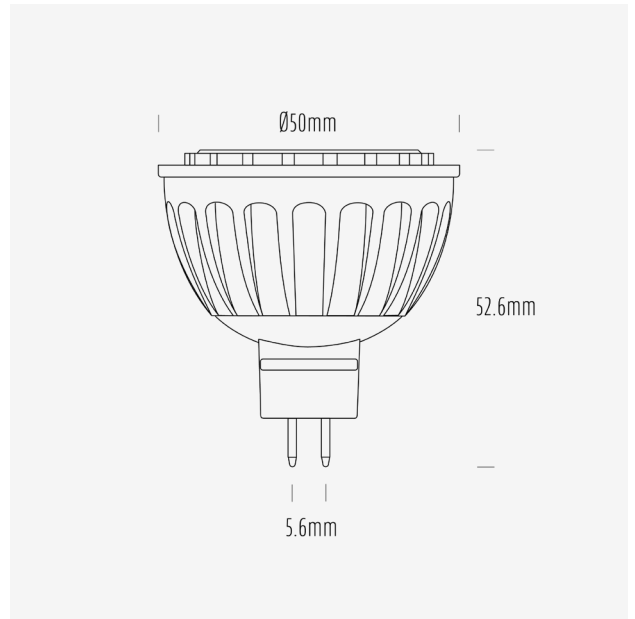


AGL 560 Series

MR16 LED Globes



AGL-560-27X60 / 2700K / MR16 / 60°



Product Data

Product Code	AGL-560-27X60			
Description	Aqualux 560 Series LED Lamp			
Type	MR16 GU5.6			
Construction	Aluminium Heatsink + PMMA Optic			
Warranty	3 Years			

Electrical Data

Input Voltage Range	12~24V AC/DC			
Nominal Voltage	24VDC			
Nominal Power	6W			
Nominal Current	250mA			
Input Voltage	12VDC	12VAC	24VDC	24VAC
Rated Power	6.1	3.9	5.5	6.0
Operating Frequency	-	50Hz	-	50Hz
Max. no. of lamps on AQD24-040	5	-	5	-
Max. no. of lamps on AQD24-100	17	-	17	-
Max. no. of lamps on AQD24-240	-	-	-	-
Dimming Compatibility	Non dimming			
Wiring Scheme	Parallel			
Startup Time	< 0.5s			

Mechanical & Thermal Data

Overall Length	52.6mm
Max Diameter	50mm
Lamp Base	GU5.6
Weight	55g
Operating Temp Range	-20° - 45°
IP Rating	IP20

Photometric Data

Nominal Flux (lm)	560			
Input Voltage	12VDC	12VAC	24VDC	24VAC
Input Power (W)	6.1	3.9	5.5	6.0
Rated Flux (lm)	664	432	652	676
Efficacy (lm/W)	109	110	119	114
CCT	2700K			
CCT Description	Warm White			
CRI (Ra)	82			
CRI (R9)	3			
TM-30 (Rf)	84			
TM-30 (Rg)	92			
SDCM	-			
Peak Intensity (cd)	500			
Nominal Beam Angle	60°			
Measured Beam Angle (FWHM)	57°			

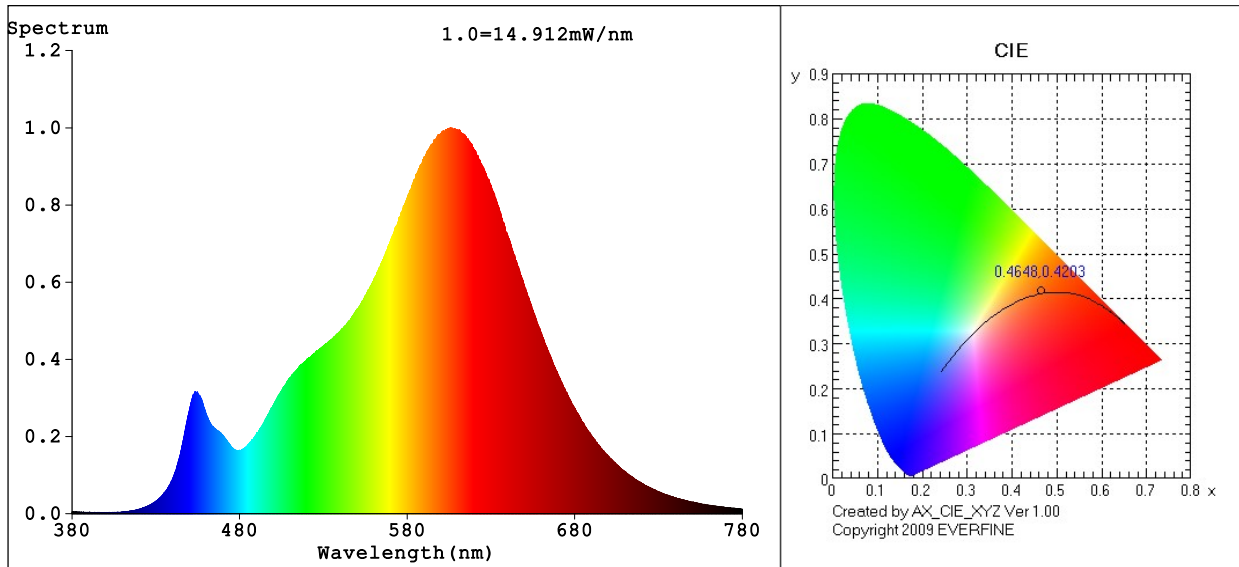
Lifespan Data

L70	15,000h
Switching Cycles	15,000

Compliance Data

EMI	Yes
RCM	N/A
Mercury Content	0mg

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4648$ $y=0.4203$ / $u'=0.2614$ $v'=0.5317$
 CCT=2706K (Duv=0.0031) Dominant WL:Ld =583.2nm WL:Lc = --nm Purity=65.7%
 Ratio:R=24.9% G=72.9% B=2.2%; Peak WL:Lp=605.8nm FWHM=111.5nm
 Render Index:Ra=82.0 AvgR=76.4 TM30:Rf=84 Rg=92

R1 =80 R2 =91 R3 =95 R4 =80 R5 =81 R6 =92 R7 =81
 R8 =56 R9 =3 R10=82 R11=80 R12=74 R13=83 R14=98 R15=71

Photo Parameters:

Flux = 675.9 lm Eff. : 113.52 lm/W Fe = 2.035 W

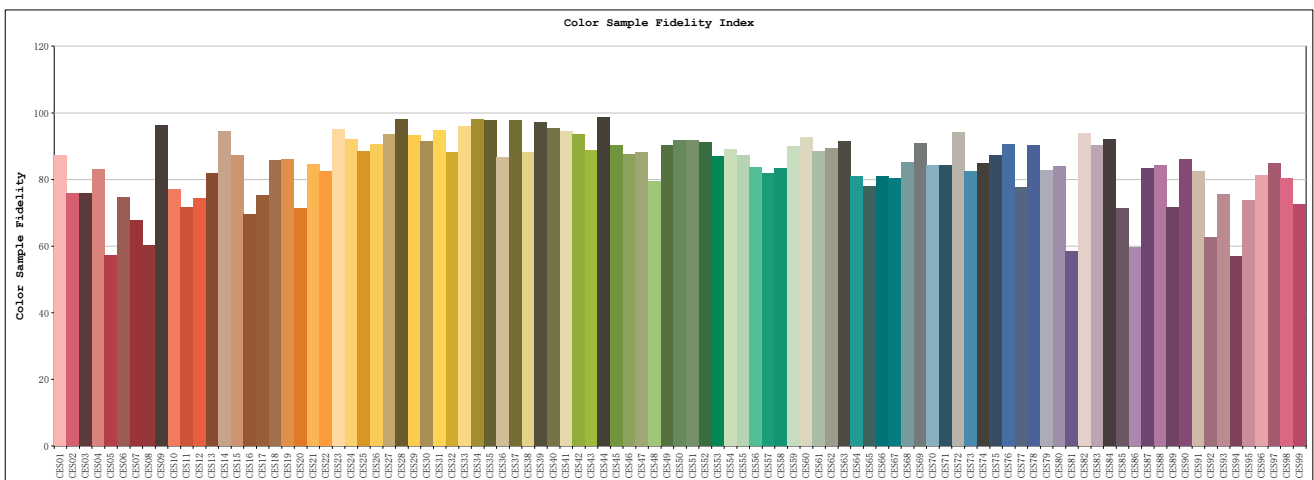
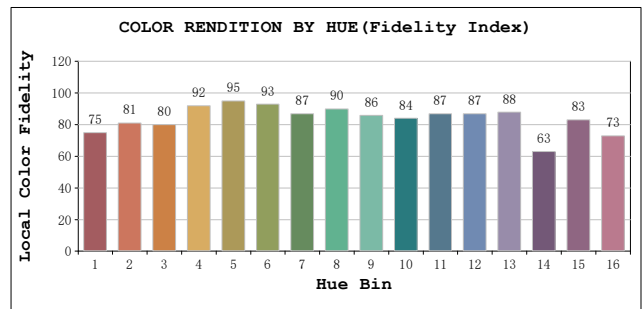
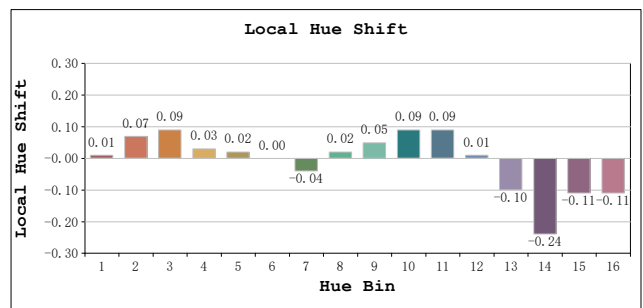
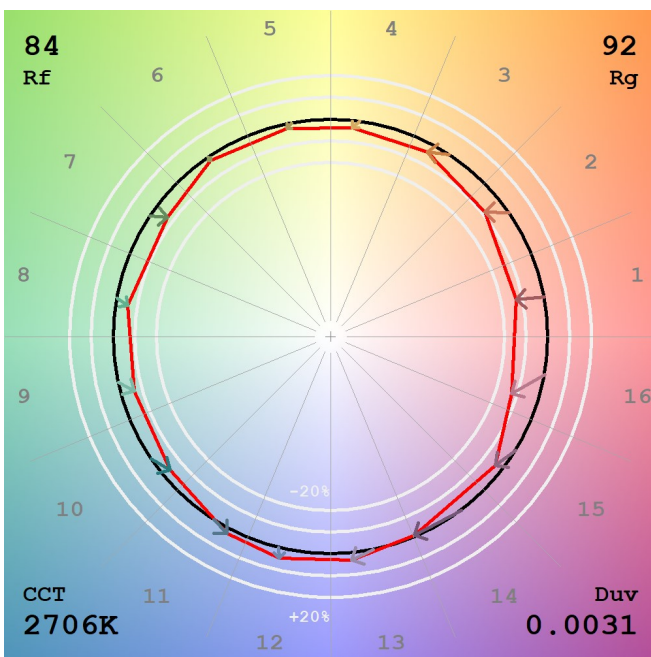
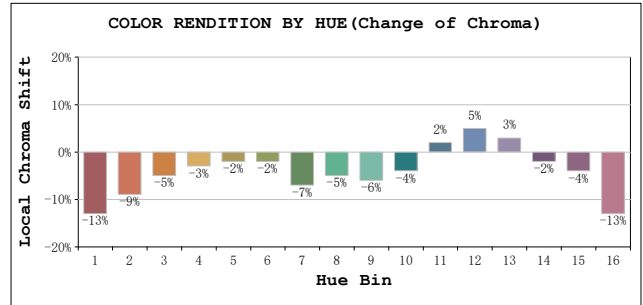
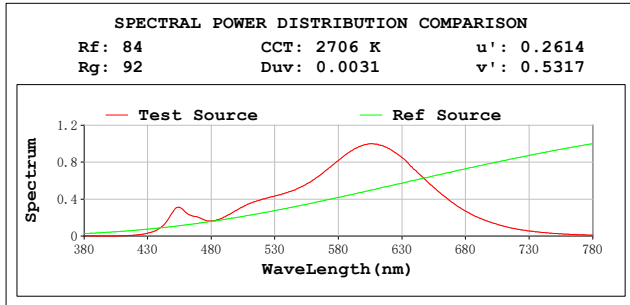
Electrical parameters:

V = 23.957 V I = 0.3714 A P = 5.954 W PF = 0.6693
 LEVEL:OUT WHITE:ANSI_2700K
 Status: Integral T = 151 ms Ip = 38733 (59%)

GBT5702

TM30

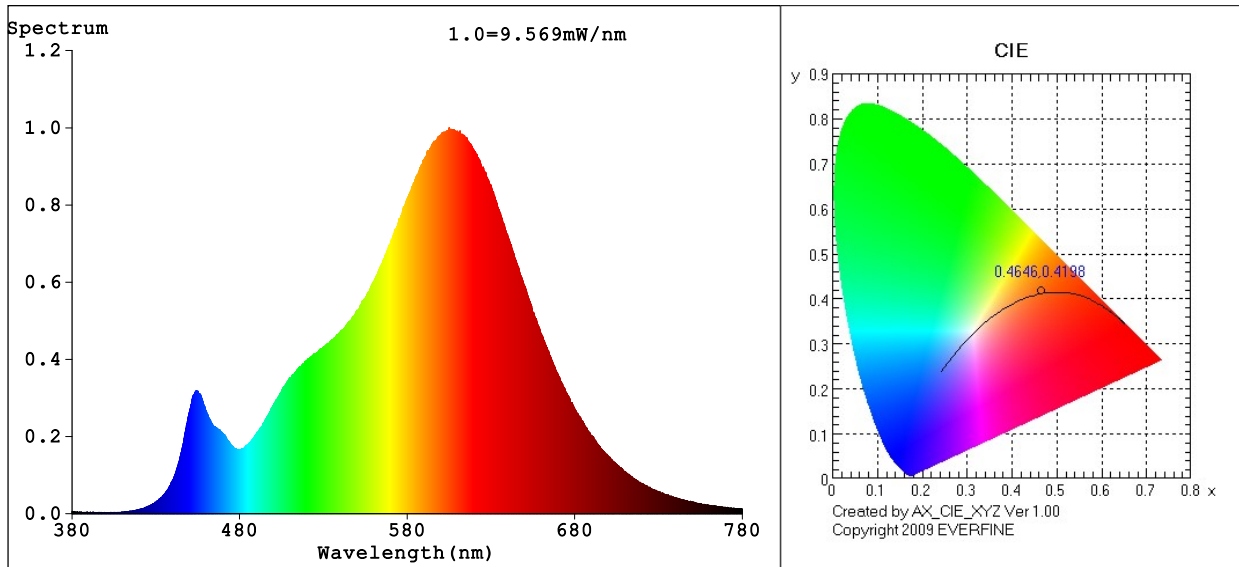
View Angle: 2 Deg



Model:AGL-560-27X60
 Tester:NC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AGL-560-27X60 24VAC
 Date:2023-10-17 16:28:35
 Humidity:65.0%
 Remarks:24VAC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4646$ $y=0.4198$ / $u'=0.2614$ $v'=0.5315$
 CCT=2705K (Duv=0.0030) Dominant WL:Ld =583.3nm WL:Lc = --nm Purity=65.5%
 Ratio:R=25.0% G=72.8% B=2.2%; Peak WL:Lp=605.1nm FWHM=111.4nm
 Render Index:Ra=82.1 AvgR=76.6 TM30:Rf=84 Rg=92

R1 =81 R2 =92 R3 =95 R4 =80 R5 =81 R6 =92 R7 =81
 R8 =56 R9 =4 R10=82 R11=80 R12=74 R13=83 R14=98 R15=71

Photo Parameters:

Flux = 431.8 lm Eff. : 110.35 lm/W Fe = 1.302 W

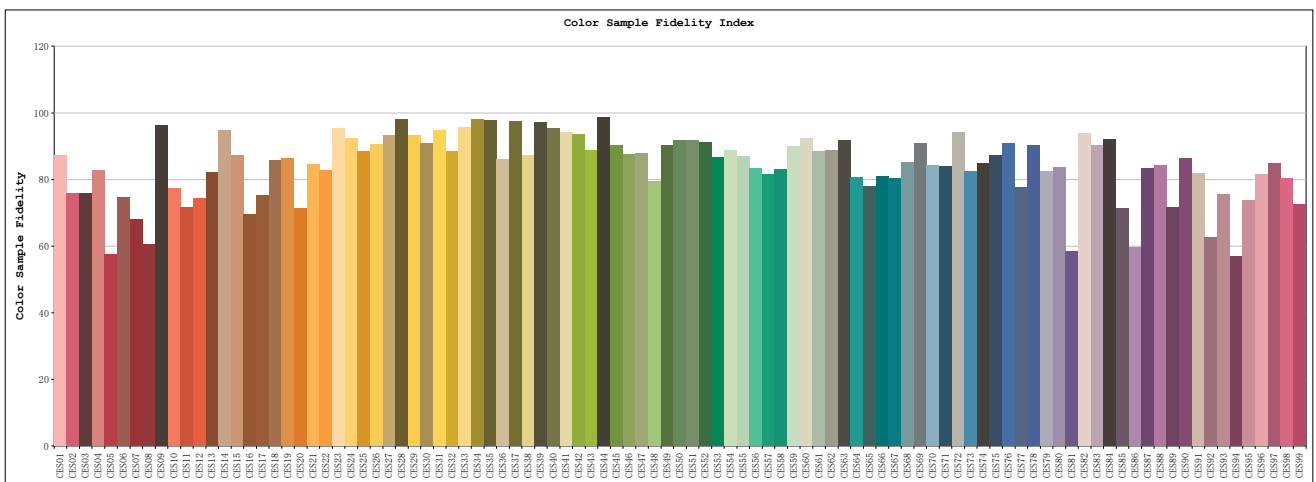
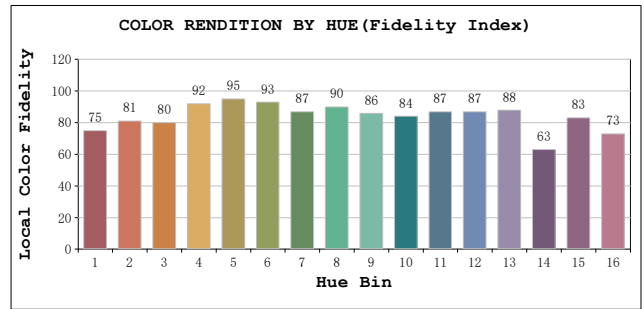
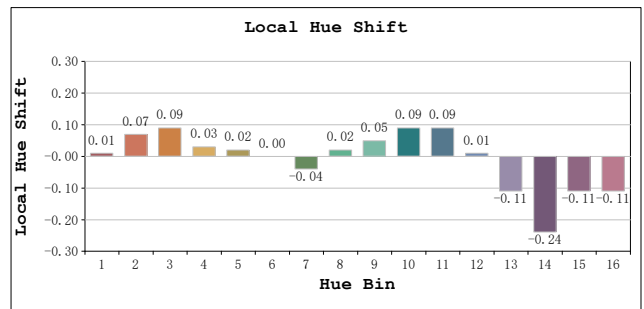
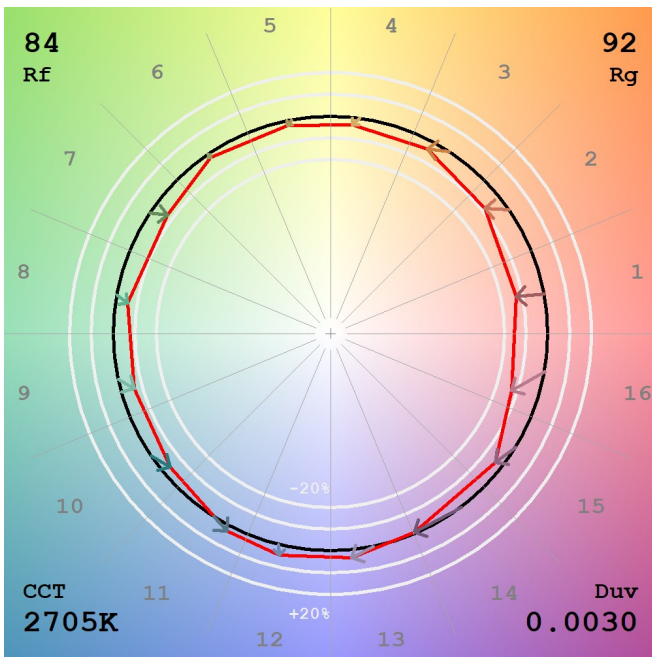
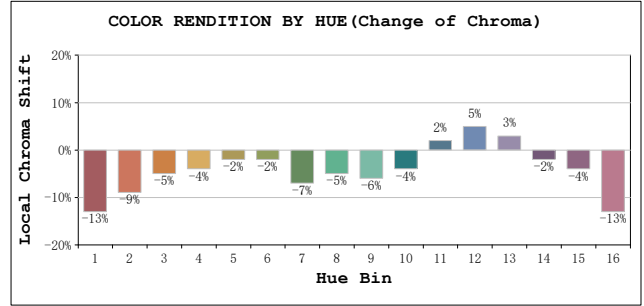
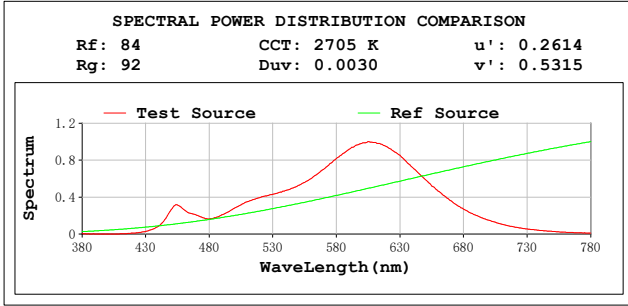
Electrical parameters:

V = 11.979 V I = 0.4216 A P = 3.913 W PF = 0.7748
 LEVEL:OUT WHITE:ANSI_2700K
 Status: Integral T = 311 ms Ip = 51138 (78%)

GBT5702

TM30

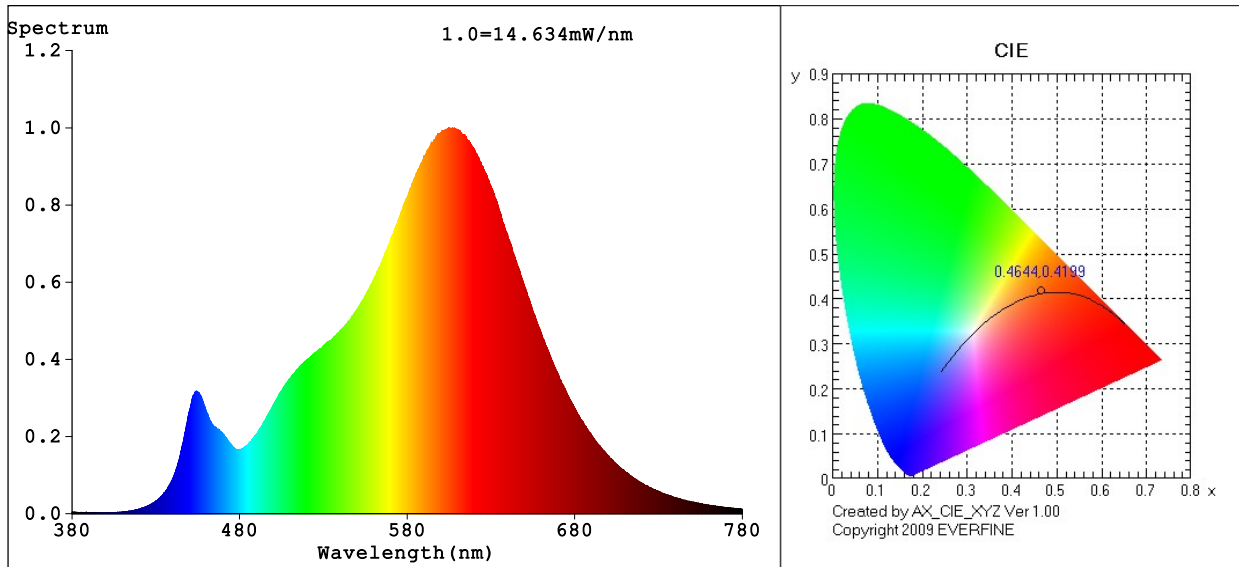
View Angle:2 Deg



Model:AGL-560-27X60
 Tester:NC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AGL-560-27X60 12VAC
 Date:2023-10-17 16:29:12
 Humidity:65.0%
 Remarks:12VAC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4644$ $y=0.4199$ / $u'=0.2613$ $v'=0.5315$
 CCT=2708K (Duv=0.0030) Dominant WL:Ld =583.2nm WL:Lc = --nm Purity=65.5%
 Ratio:R=24.9% G=72.9% B=2.2%; Peak WL:Lp=604.8nm FWHM=111.8nm
 Render Index:Ra=81.9 AvgR=76.3 TM30:Rf=84 Rg=92

R1 =80 R2 =92 R3 =95 R4 =80 R5 =81 R6 =92 R7 =81
 R8 =56 R9 =3 R10=82 R11=80 R12=74 R13=83 R14=98 R15=71

Photo Parameters:

Flux = 664.1 lm Eff. : 109.05 lm/W Fe = 2.000 W

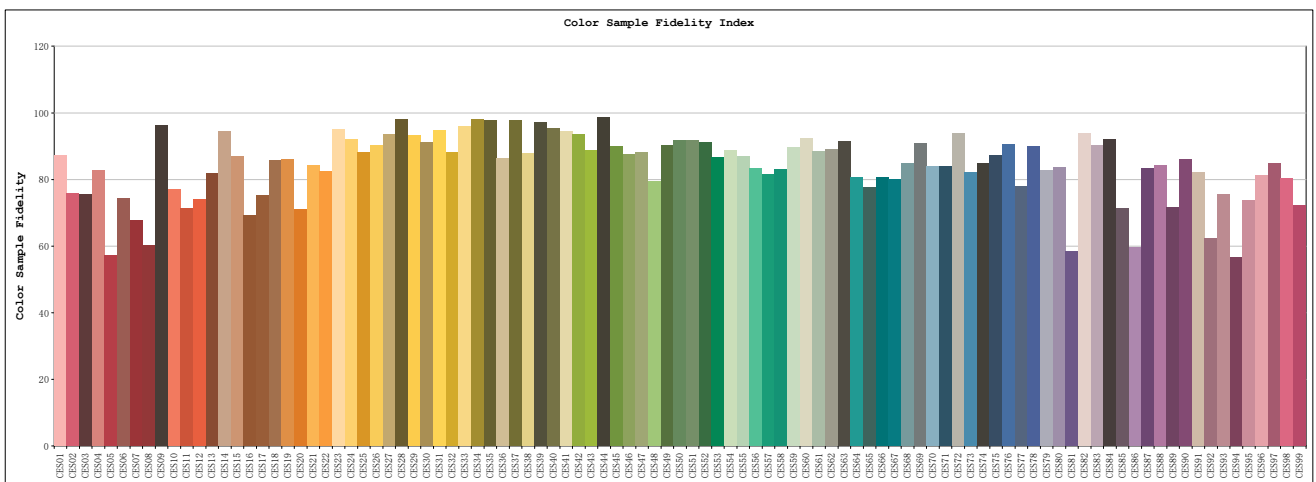
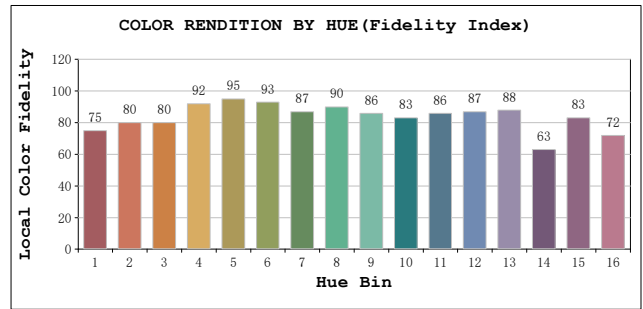
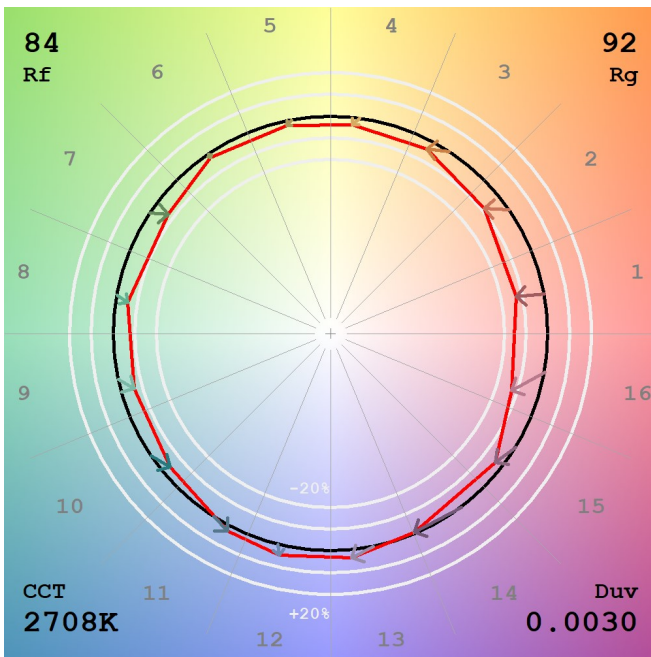
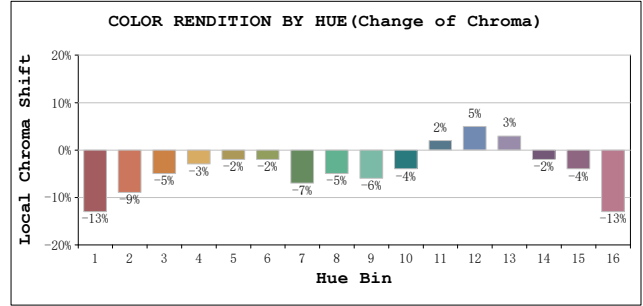
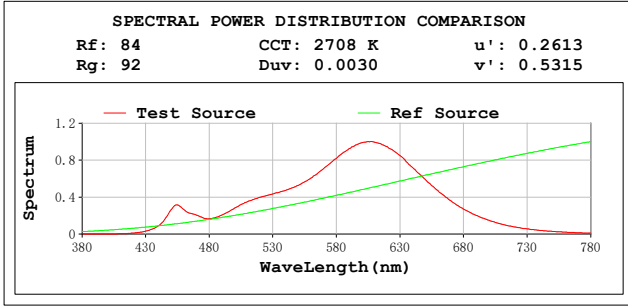
Electrical parameters:

V = 11.954 V I = 0.5095 A P = 6.090 W PF = 1.0000
 LEVEL:OUT WHITE:ANSI_2700K
 Status: Integral T = 155 ms Ip = 39166 (60%)

GBT5702

TM30

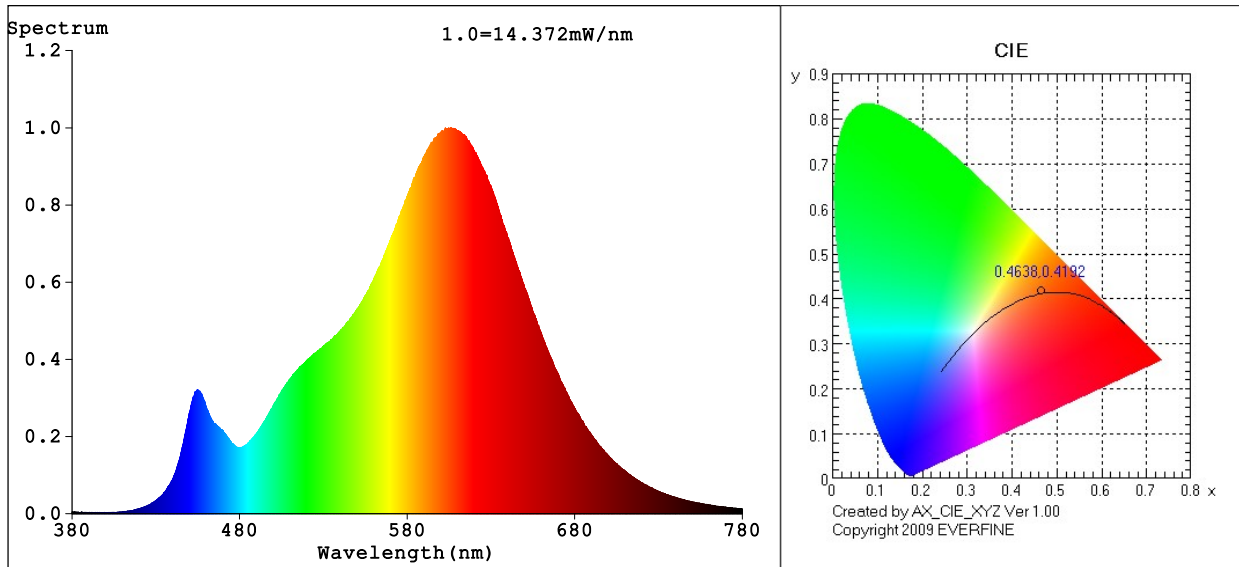
View Angle:2 Deg



Model:AGL-560-27X60
 Tester:NC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AGL-560-27X60 12VDC
 Date:2023-10-17 16:30:09
 Humidity:65.0%
 Remarks:12VDC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4638$ $y=0.4192$ / $u'=0.2612$ $v'=0.5312$
 CCT=2711K (Duv=0.0028) Dominant WL:Ld =583.3nm WL:Lc = --nm Purity=65.1%
 Ratio:R=24.9% G=72.9% B=2.3%; Peak WL:Lp=606.1nm FWHM=111.7nm
 Render Index:Ra=81.8 AvgR=76.2 TM30:Rf=84 Rg=92

R1 =80 R2 =92 R3 =95 R4 =79 R5 =80 R6 =92 R7 =81
 R8 =55 R9 =3 R10=82 R11=79 R12=74 R13=83 R14=98 R15=71

Photo Parameters:

Flux = 652.2 lm Eff. : 118.98 lm/W Fe = 1.967 W

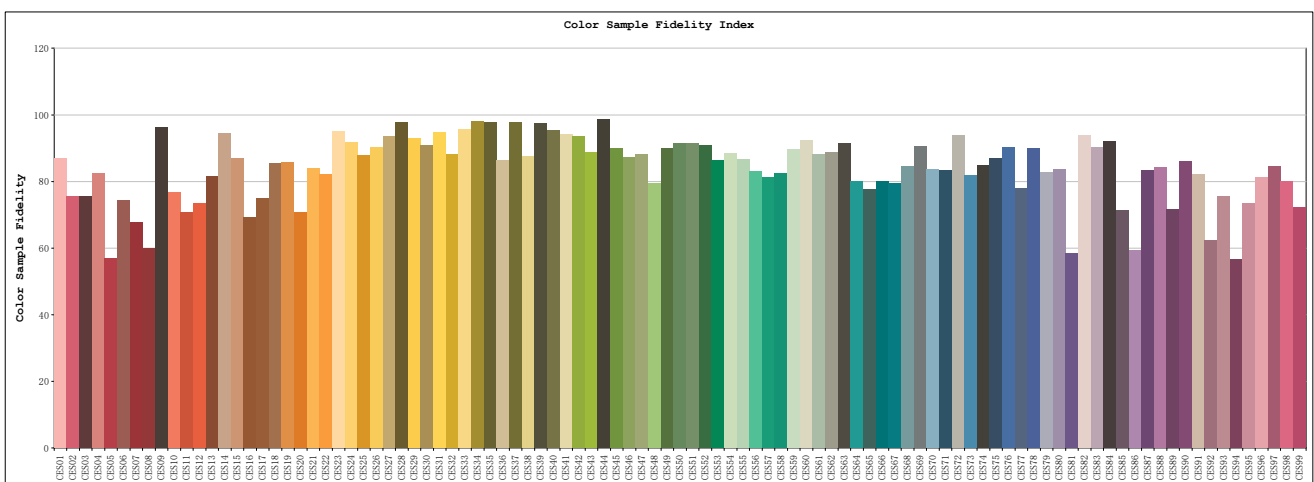
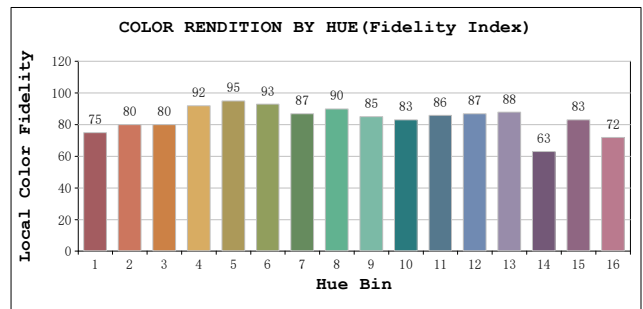
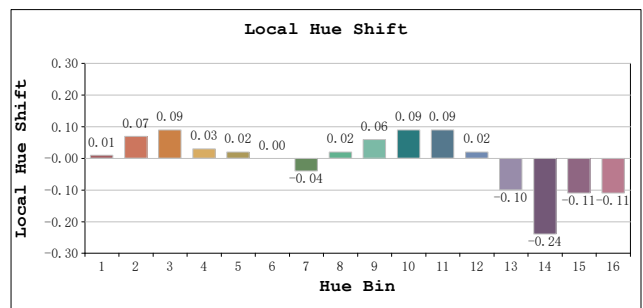
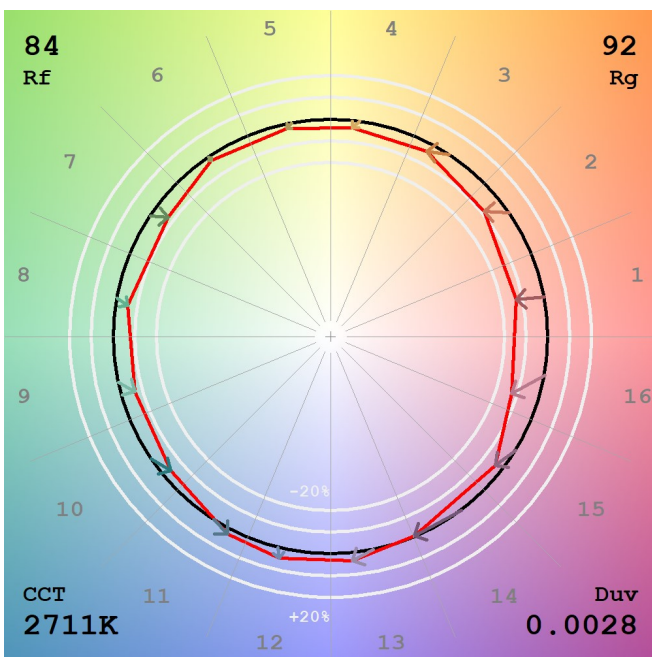
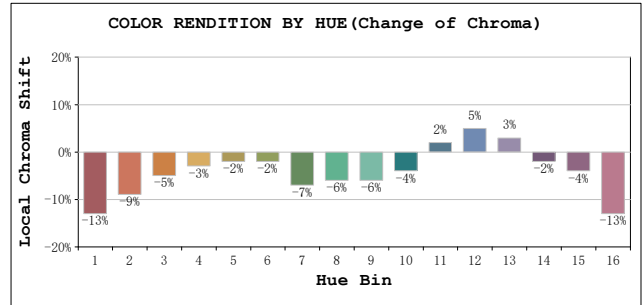
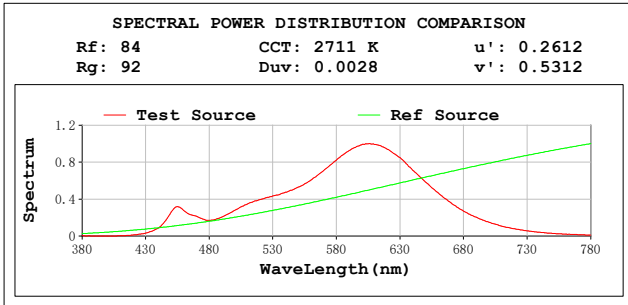
Electrical parameters:

V = 23.983 V I = 0.2286 A P = 5.482 W PF = 1.0000
 LEVEL:OUT WHITE:ANSI_2700K
 Status: Integral T = 155 ms Ip = 38443 (59%)

GBT5702

TM30

View Angle:2 Deg



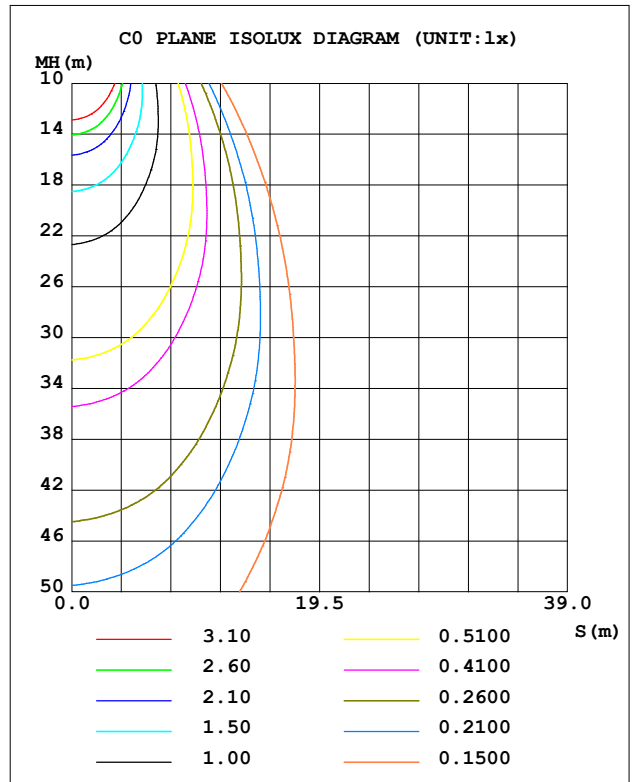
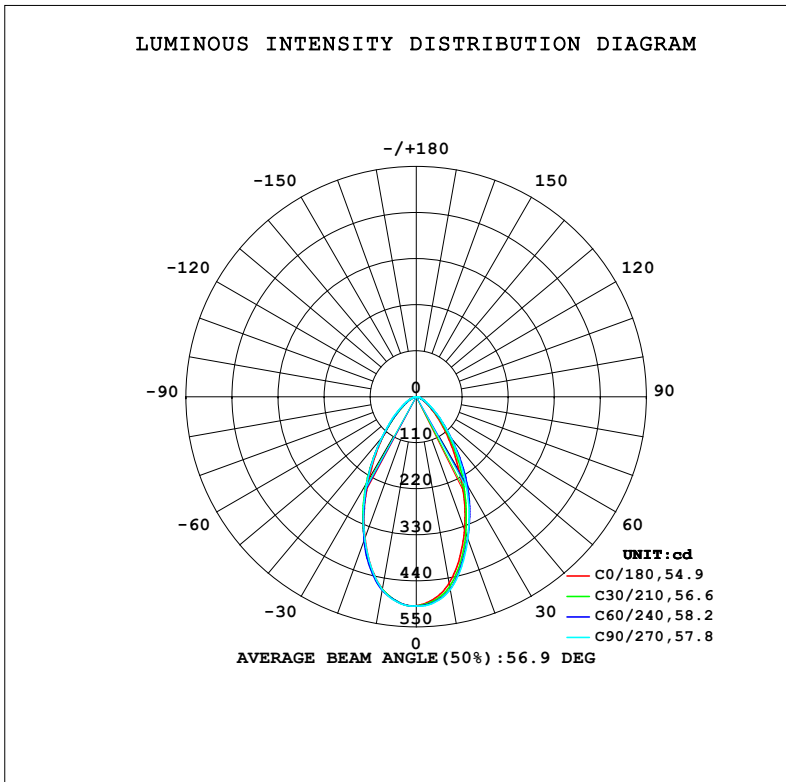
Model:AGL-560-27X60
 Tester:NC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AGL-560-27X60 24VDC
 Date:2023-10-17 16:31:26
 Humidity:65.0%
 Remarks:24VDC

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.800V I:0.2246A P:5.3453W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:540.12x1 lm		
NAME: AGL-560-27X60	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-27X60	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	AGL-560-27X60	I _{max} (cd)	500.3	S/MH (C0/180)	0.85
NOMINAL POWER (W)	6	LOR (%)	100.0	S/MH (C90/270)	0.86
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	540.12	η UP, DN (C0-180)	0.0, 49.9
NOMINAL FLUX (lm)	540.12	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	24	η down (%)	100.0	CIBSE SHR MAX	0.95



C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operators: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-27X60
 2700K / 60D / 6W / 550LM

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	∅ zone	∅ total	%lum, lamp
10	452.7	465.2	467.8	469.5	466.8	469.5	467.8	465.2	0- 10	46.12	46.12	8.54,8.54
20	337.6	355.0	360.1	367.6	358.9	367.6	360.1	355.0	10- 20	116.2	162.3	30.1,30.1
30	205.3	237.0	236.2	243.1	227.2	243.1	236.2	237.0	20- 30	134.7	297.0	55,55
40	108.8	127.3	129.3	126.9	123.7	126.9	129.3	127.3	30- 40	109.3	406.3	75.2,75.2
50	52.42	60.27	64.04	58.59	59.59	58.59	64.04	60.27	40- 50	68.24	474.6	87.9,87.9
60	24.79	27.45	30.47	26.20	27.71	26.20	30.47	27.45	50- 60	36.98	511.5	94.7,94.7
70	9.936	11.32	12.63	10.75	11.16	10.75	12.63	11.32	60- 70	18.55	530.1	98.1,98.1
80	3.965	4.400	4.558	4.336	4.268	4.336	4.558	4.400	70- 80	7.445	537.5	99.5,99.5
90	0.0243	0.0244	0.0266	0.0317	0.0243	0.0317	0.0266	0.0244	80- 90	2.579	540.1	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 445.22 lm

%lum = 82.4%
%lamp = 82.4%

Conical surface Flux(130deg): 522.65 lm

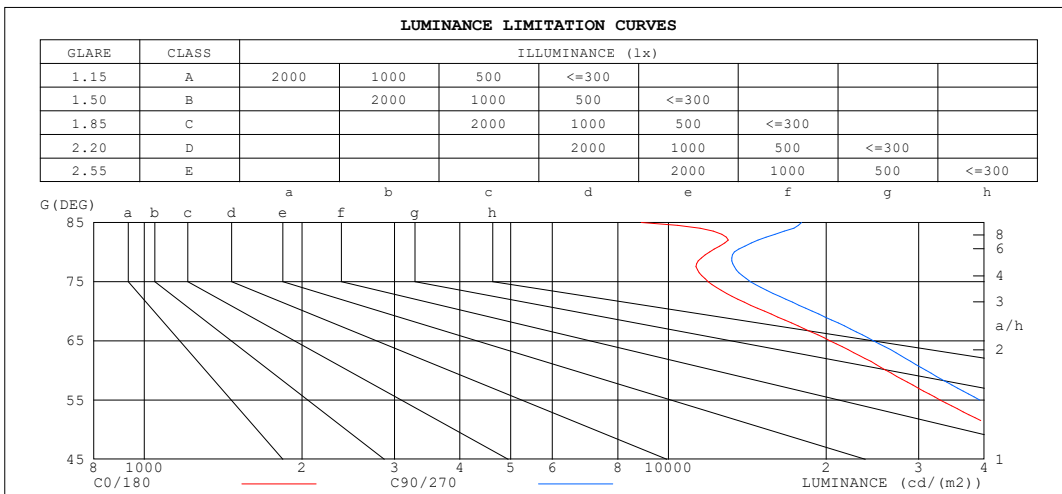
%lum = 96.8%
%lamp = 96.8%

C Range: 0 - 180DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:20°C
Operators:NICK
Test Date:16 October 2023

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:3.100m [K=1.0000]
Remarks: AGL-560-27X60
2700K / 60D / 6W / 550LM

LUMINANCE LIMITATION CURVES

Test:U:23.800V I:0.2246A P:5.3453W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:540.12x1 lm		
NAME: AGL-560-27X60	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-27X60	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	8874	17933
80	11980	13355
75	11896	14327
70	15244	18786
65	20333	24607
60	26011	31010
55	32982	39250
50	42793	50695
45	56463	65731

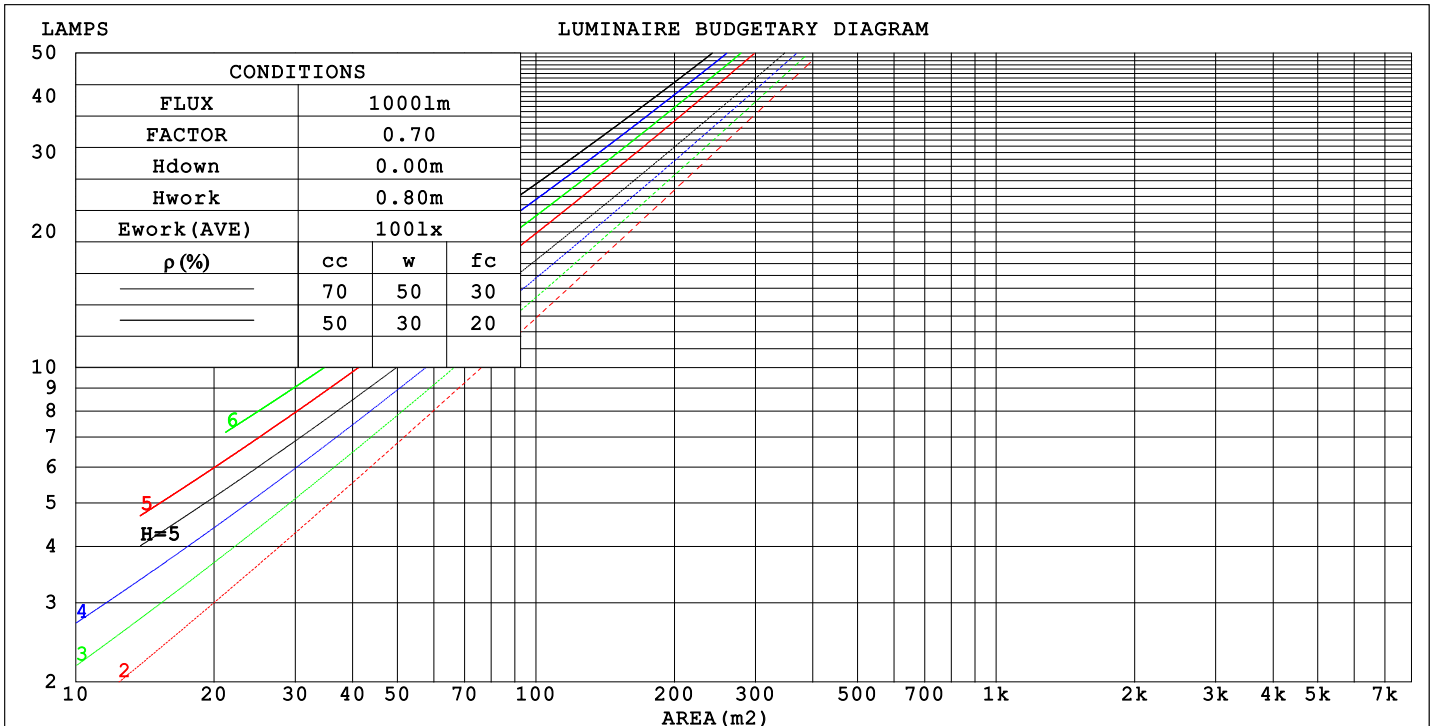
C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-27X60
 2700K / 60D / 6W / 550LM

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.800V I:0.2246A P:5.3453W PF:1.0000 Freq:0Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:540.12x1 lm		
NAME: AGL-560-27X60	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-27X60	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization (CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.09	1.06	1.03	1.07	1.04	1.01	1.03	1.00	.98	.99	.97	.95	.95	.94	.93	.91
2.0	.99	.94	.90	.98	.93	.89	.94	.91	.87	.91	.88	.85	.88	.86	.84	.82
3.0	.91	.85	.80	.90	.84	.80	.87	.82	.78	.84	.80	.77	.82	.79	.76	.74
4.0	.84	.77	.72	.82	.76	.72	.80	.75	.71	.78	.74	.70	.76	.72	.69	.67
5.0	.77	.70	.65	.76	.70	.65	.74	.69	.64	.73	.68	.64	.71	.67	.63	.62
6.0	.72	.65	.60	.71	.64	.59	.69	.63	.59	.68	.62	.59	.66	.62	.58	.56
7.0	.67	.60	.55	.66	.59	.55	.64	.59	.54	.63	.58	.54	.62	.57	.54	.52
8.0	.62	.55	.51	.62	.55	.51	.60	.54	.50	.59	.54	.50	.58	.53	.50	.48
9.0	.58	.52	.47	.58	.51	.47	.57	.51	.47	.56	.50	.47	.55	.50	.46	.45
10.0	.55	.48	.44	.54	.48	.44	.53	.48	.44	.52	.47	.43	.52	.47	.43	.42



C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operators: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-27X60
 2700K / 60D / 6W / 550LM

WEC AND CCEC

Test:U:23.800V I:0.2246A P:5.3453W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:540.12x1 lm		
NAME: AGL-560-27X60	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-27X60	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.215	.122	.039	.208	.119	.038	.195	.112	.036	.184	.106	.034	.173	.100	.032	
2.0	.206	.113	.035	.200	.110	.034	.190	.105	.033	.179	.101	.032	.170	.096	.030	
3.0	.195	.104	.031	.190	.102	.031	.181	.098	.030	.172	.094	.029	.164	.091	.028	
4.0	.185	.096	.028	.180	.094	.028	.172	.091	.027	.164	.088	.027	.157	.085	.026	
5.0	.174	.089	.026	.171	.088	.026	.163	.085	.025	.157	.083	.025	.150	.080	.024	
6.0	.165	.083	.024	.162	.082	.023	.155	.080	.023	.149	.078	.023	.144	.076	.022	
7.0	.156	.077	.022	.153	.076	.022	.148	.075	.021	.142	.073	.021	.137	.071	.021	
8.0	.148	.072	.020	.146	.072	.020	.140	.070	.020	.136	.069	.020	.131	.067	.020	
9.0	.141	.068	.019	.139	.068	.019	.134	.066	.019	.130	.065	.019	.126	.064	.018	
10.0	.134	.064	.018	.132	.064	.018	.128	.063	.018	.124	.062	.018	.120	.061	.017	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.174	.157	.142	.149	.135	.122	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.161	.132	.108	.138	.114	.094	.094	.079	.065	.054	.046	.038	.017	.015	.012	
3.0	.150	.114	.085	.129	.098	.074	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.133	.088	.055	.114	.076	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.126	.079	.046	.108	.069	.040	.075	.048	.028	.043	.028	.017	.014	.009	.006	
7.0	.119	.072	.039	.103	.063	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.114	.066	.033	.098	.057	.029	.068	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.108	.061	.029	.093	.053	.025	.065	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.103	.057	.026	.089	.049	.022	.062	.035	.016	.036	.020	.009	.012	.007	.003	

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-27X60
 2700K / 60D / 6W / 550LM

UGR(Unified Glare Rating) Table

Test:U:23.800V I:0.2246A P:5.3453W PF:1.0000 Freq:0Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:540.12x1 lm										
NAME: AGL-560-27X60					TYPE: MR16 GLOBE			WEIGHT: 100G		
SPEC.: AGL-560-27X60					DIM.: 50MM			SERIAL No.:		
MFR.: AQUALUX					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	25.6	26.7	25.8	26.9	27.1	26.2	27.3	26.4	27.5	27.7
3H	25.9	26.9	26.2	27.1	27.3	26.5	27.6	26.8	27.8	28.0
4H	25.9	26.9	26.2	27.2	27.4	26.6	27.6	26.9	27.8	28.0
6H	26.0	26.9	26.3	27.1	27.4	26.6	27.6	26.9	27.8	28.1
8H	26.0	26.9	26.3	27.1	27.4	26.7	27.5	27.0	27.8	28.1
12H	26.0	26.8	26.3	27.1	27.4	26.7	27.5	27.0	27.8	28.1
4H 2H	25.7	26.7	26.0	26.9	27.2	26.3	27.3	26.6	27.5	27.7
3H	26.1	27.0	26.4	27.2	27.5	26.7	27.5	27.0	27.8	28.1
4H	26.2	27.0	26.6	27.3	27.6	26.8	27.6	27.2	27.9	28.2
6H	26.3	27.0	26.7	27.3	27.7	26.9	27.6	27.3	27.9	28.3
8H	26.4	27.0	26.8	27.4	27.8	27.0	27.6	27.4	28.0	28.3
12H	26.4	27.0	26.8	27.4	27.8	27.1	27.6	27.5	28.0	28.4
8H 4H	26.2	26.9	26.6	27.2	27.6	26.8	27.4	27.2	27.8	28.1
6H	26.4	26.9	26.8	27.3	27.7	27.0	27.5	27.4	27.9	28.3
8H	26.5	27.0	27.0	27.4	27.9	27.1	27.5	27.5	28.0	28.4
12H	26.6	27.0	27.1	27.4	27.9	27.3	27.6	27.7	28.1	28.6
12H 4H	26.2	26.8	26.6	27.2	27.5	26.7	27.3	27.2	27.7	28.1
6H	26.4	26.9	26.9	27.3	27.7	27.0	27.4	27.4	27.8	28.3
8H	26.6	27.0	27.0	27.4	27.9	27.1	27.5	27.6	27.9	28.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.0 / - 1.4					+ 1.0 / - 1.3				
1.5H	+ 1.1 / - 1.0					+ 1.2 / - 1.1				
2.0H	+ 1.8 / - 1.4					+ 2.0 / - 1.5				

CIE Pub.117, 540.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.1)
 Area: 0.001963 m2

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-27X60
 2700K / 60D / 6W / 550LM

UTILIZATION FACTORS TABLE

Test:U:23.800V I:0.2246A P:5.3453W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:540.12x1 lm		
NAME: AGL-560-27X60	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-27X60	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

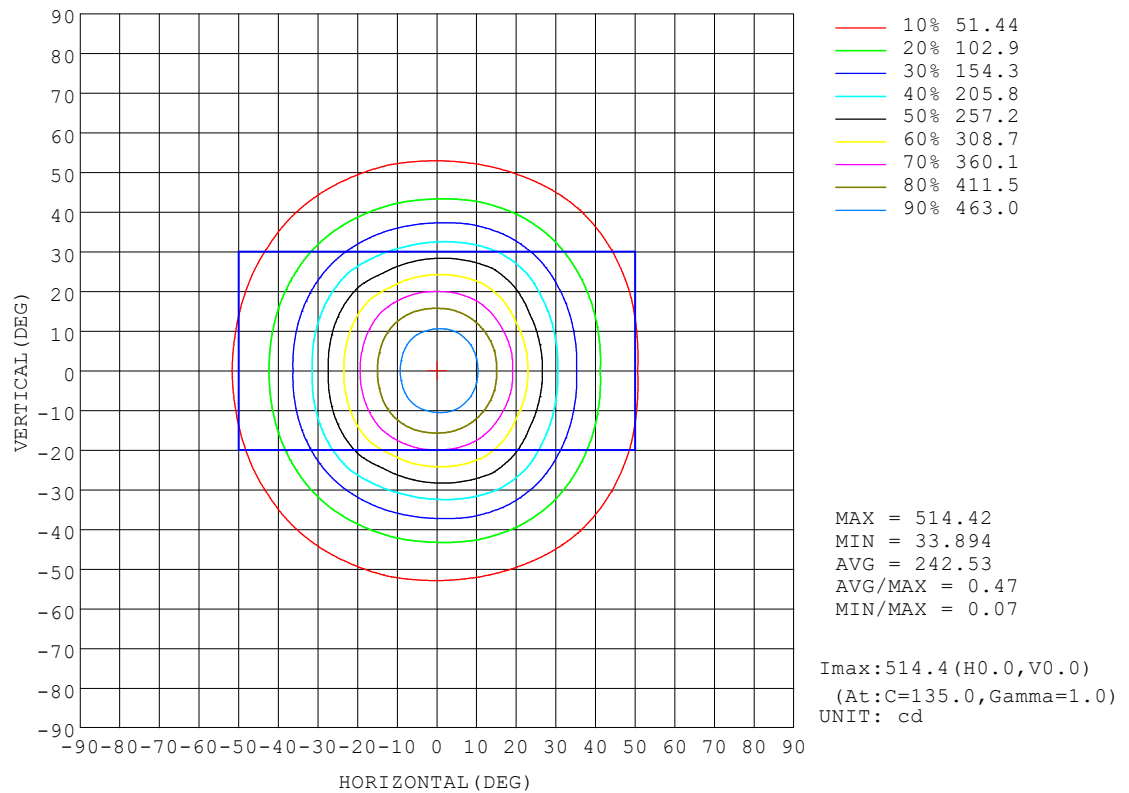
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	76	68	63	75	67	62	74	67	62	58
0.80	85	77	72	84	76	72	83	76	71	66
1.00	91	84	79	90	83	78	88	84	78	73
1.25	96	90	85	95	89	84	93	88	84	78
1.50	100	94	89	99	93	89	96	91	88	82
2.00	104	99	95	103	98	94	100	96	92	86
2.50	107	102	98	105	100	97	102	98	95	88
3.00	109	104	101	107	103	100	103	100	97	90
4.00	111	108	105	109	106	103	105	103	101	93
5.00	113	110	107	111	108	106	107	104	103	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-27X60
 2700K / 60D / 6W / 550LM

ISOCANDELA DIAGRAM

Test:U:23.800V I:0.2246A P:5.3453W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:540.12x1 lm		
NAME: AGL-560-27X60	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-27X60	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:



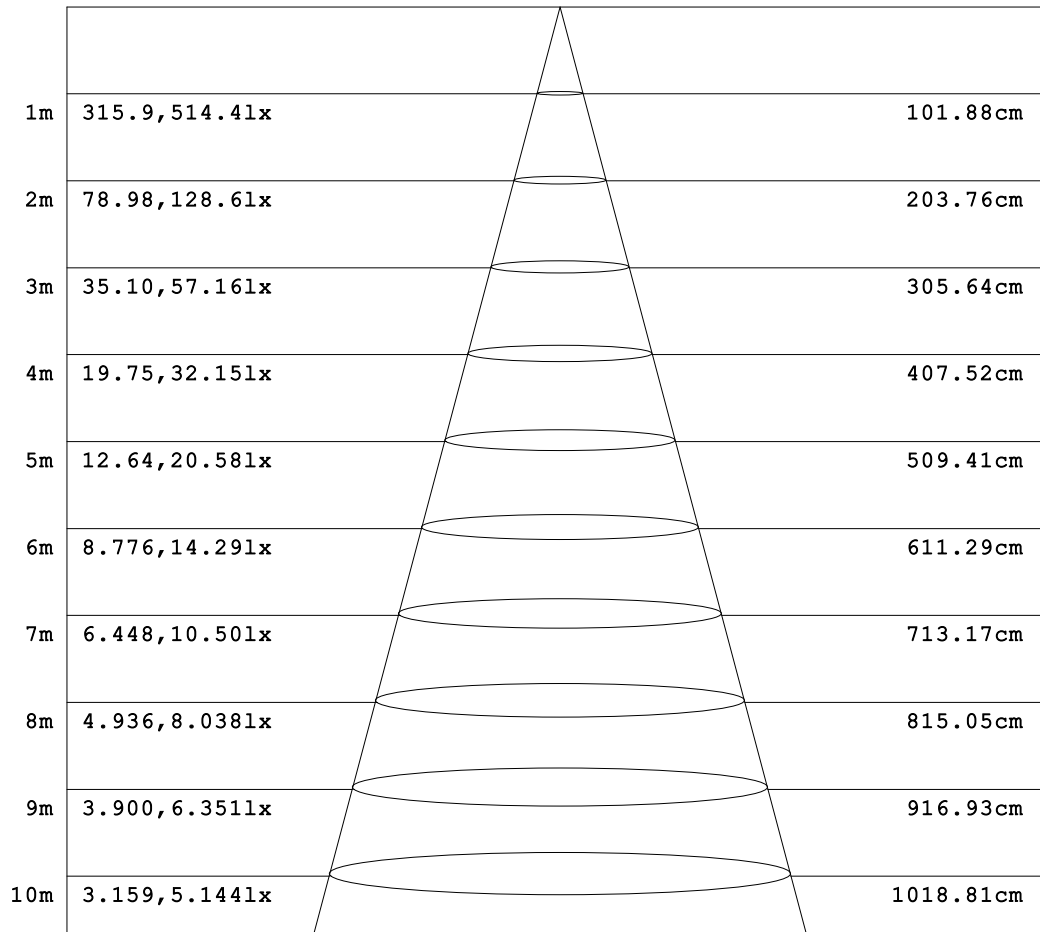
C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-27X60
 2700K / 60D / 6W / 550LM

AAI Figure

Test:U:23.800V I:0.2246A P:5.3453W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:540.12x1 lm		
NAME: AGL-560-27X60	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-27X60	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

Flux out:257.7 lm



Angle:53.99deg

Height

Eavg, Emax

Diameter

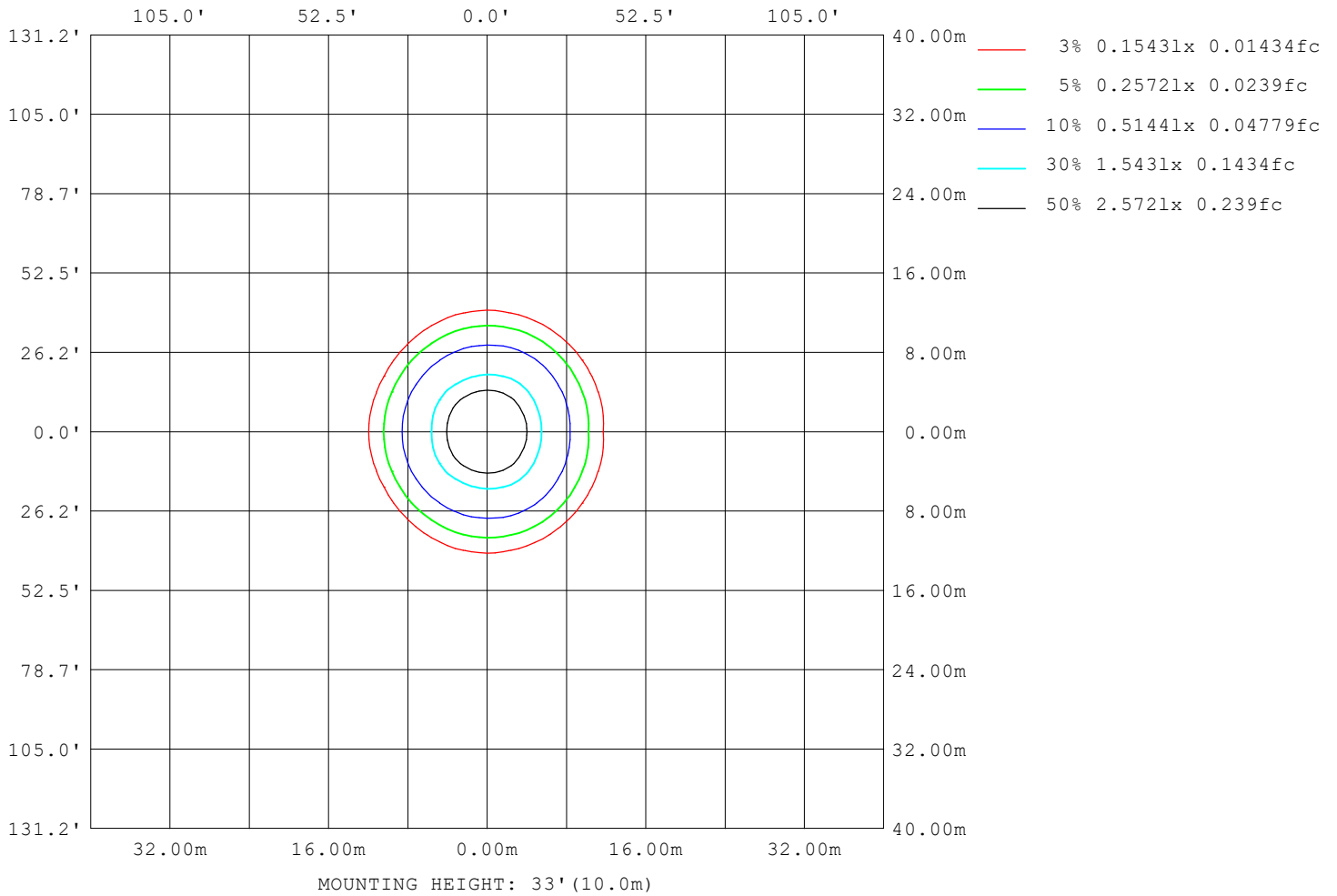
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-27X60
 2700K / 60D / 6W / 550LM

ISOLUX DIAGRAM

Test:U:23.800V I:0.2246A P:5.3453W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:540.12x1 lm		
NAME: AGL-560-27X60	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-27X60	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:



C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operators: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-27X60
 2700K / 60D / 6W / 550LM

LED Avg.L Report

Test:U:23.800V I:0.2246A P:5.3453W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:540.12x1 lm		
NAME: AGL-560-27X60	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-27X60	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	20901
L_0~180 (75) av	12162
L_0~180 (85) av	12149
L_90~270 (65) av	24635
L_90~270 (75) av	14344
L_90~270 (85) av	17954
L_45 (65) av	21616
L_45 (75) av	12916
L_45 (85) av	15887

Standard: GB/T 29293-2012

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-27X60
 2700K / 60D / 6W / 550LM

Planar Illuminance Curve



C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operators: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-27X60
 2700K / 60D / 6W / 550LM

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.800V I:0.2246A P:5.3453W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:540.12x1 lm		
NAME: AGL-560-27X60	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-27X60	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

Table--1

UNIT: cd

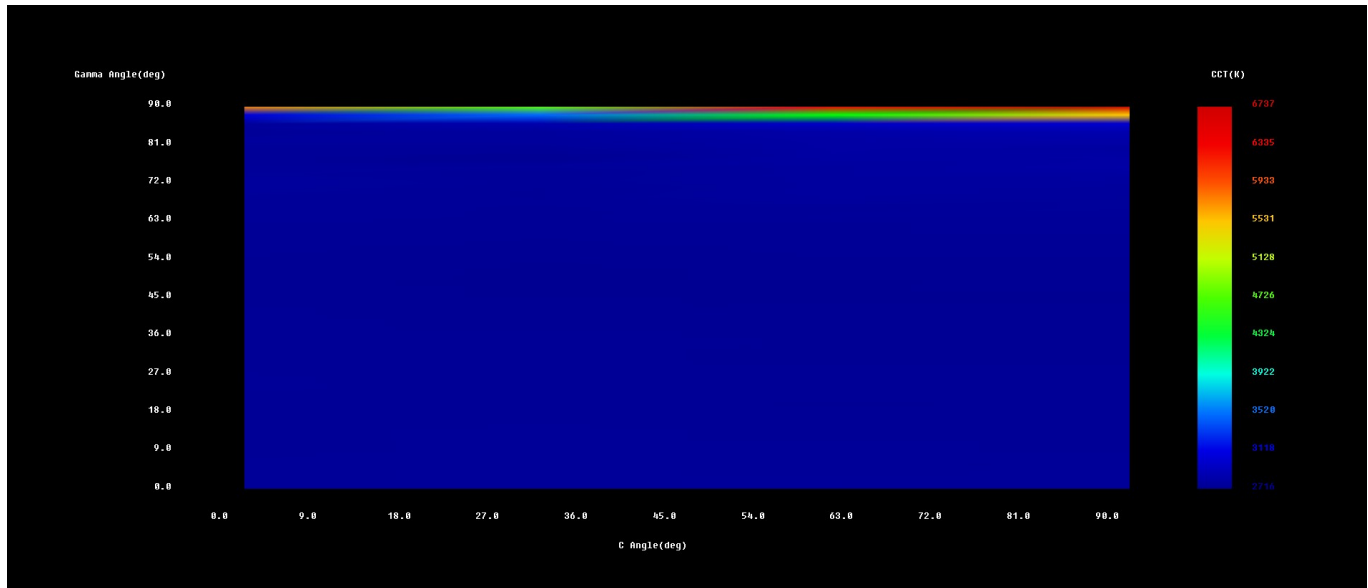
C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	
0	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	
5	485	488	489	492	493	494	494	494	493	493	492	493	493	493	492	493	493	493	494	494
10	453	457	460	465	467	469	468	469	469	469	467	467	467	467	467	469	469	469	469	468
15	400	407	409	414	417	420	420	423	425	426	423	421	419	421	423	426	425	423	420	420
20	338	344	347	355	359	361	360	364	365	368	364	361	359	361	364	368	365	364	360	360
25	272	276	280	296	303	302	299	299	296	306	302	298	294	298	302	306	296	299	299	299
30	205	212	221	237	245	240	236	234	234	243	240	234	227	234	240	243	234	234	236	236
35	152	159	167	180	185	183	177	176	178	181	179	175	170	175	179	181	178	176	177	177
40	109	114	119	127	132	133	129	129	127	127	126	125	124	125	126	127	127	129	129	129
45	76.1	80.5	83.4	88.3	91.5	92.8	91.3	91.1	88.4	87.3	85.5	86.1	86.6	86.1	85.5	87.3	88.4	91.1	91.3	91.3
50	52.4	56.1	57.7	60.3	62.0	63.7	64.0	63.8	60.8	58.6	56.7	58.2	59.6	58.2	56.7	58.6	60.8	63.8	64.0	64.0
55	36.1	38.9	39.4	40.3	41.0	42.9	44.2	44.3	41.2	38.7	37.1	38.6	40.5	38.6	37.1	38.7	41.2	44.3	44.2	44.2
60	24.8	26.8	27.0	27.4	27.9	29.3	30.5	30.7	28.1	26.2	25.2	26.2	27.7	26.2	25.2	26.2	28.1	30.7	30.5	30.5
65	16.4	17.8	18.0	18.4	18.7	19.7	20.4	20.6	18.7	17.5	16.9	17.4	18.3	17.4	16.9	17.5	18.7	20.6	20.4	20.4
70	9.94	10.9	11.0	11.3	11.5	12.1	12.6	12.7	11.5	10.7	10.4	10.7	11.2	10.7	10.4	10.7	11.5	12.7	12.6	12.6
75	5.87	6.35	6.50	6.68	6.78	7.07	7.29	7.29	6.67	6.45	6.30	6.33	6.49	6.33	6.30	6.45	6.67	7.29	7.29	7.29
80	3.96	4.18	4.30	4.40	4.41	4.53	4.56	4.54	4.37	4.34	4.25	4.24	4.27	4.24	4.25	4.34	4.37	4.54	4.56	4.56
85	1.47	1.90	2.18	2.52	2.71	2.95	3.07	3.14	2.98	2.91	2.83	2.78	2.68	2.78	2.83	2.91	2.98	3.14	3.07	3.07
90	0.02	0.02	0.01	0.02	0.02	0.02	0.03	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.03	0.03

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-27X60
 2700K / 60D / 6W / 550LM

Spatial Color Distribution Report

NAME: AGL-560-27X60	TYPE: MR16 GLOBE	WEIGHT: 100G
DIM.: 50MM	SPEC.: AGL-560-27X60	SERIAL No.:
MFR.: AQUALUX		



Color Parameters:

Average: $x=0.4607, y=0.4166, u'=0.2604, v'=0.5297$ CCT=2735K Ra=81.4 Rf=84 Rg=92
Center: $x=0.4599, y=0.4165, u'=0.2599, v'=0.5296$ CCT=2745K Ra=81.6 Rf=84 Rg=92
IESNA LM-79-2019 Max. $du'v'$: 0.0013 / max. $du'v'$: 0.0000[Set Range]
GB/T 24824(LB/T 001-2009):: avg. color nonuniformity $du'v'$:0.0005
GB/T 24824(LB/T 001-2009):: max. color nonuniformity $du'v'$:0.0006
Average: R1=80 R2=92 R3=94 R4=78 R5=80 R6=92 R7=80 R8=55 R9=2 R10=83
R11=78 R12=75 R13=83 R14=97 R15=71

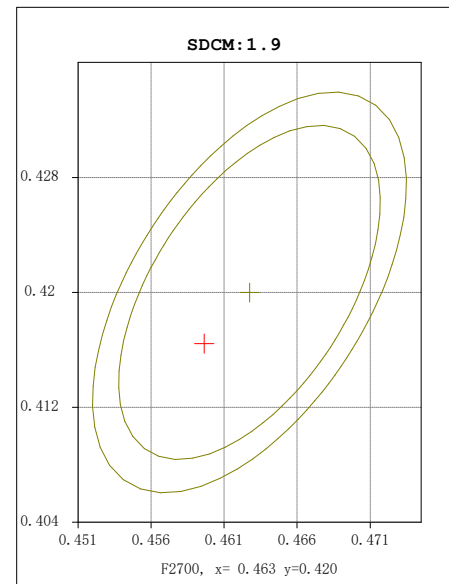
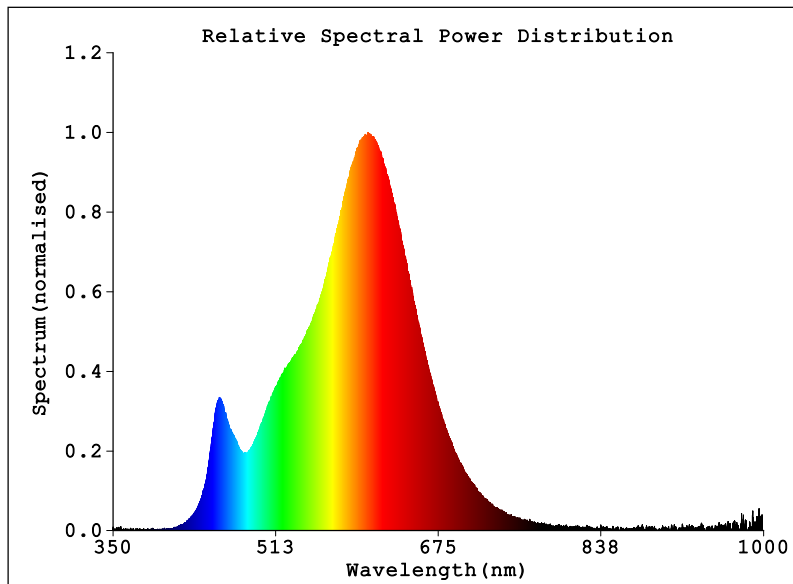
Tester: NICK
Temperature: 20°C
Manufacturer: AQUALUX

Date: 16 October 2023
Humidity: 65.0%
Remarks: AGL-560-27X602700K / 60D / 6W / 550LM

System: GO-SPEX500_V1

Spectral Radiant Test Report

NAME: AGL-560-27X60	TYPE: MR16 GLOBE	WEIGHT: 100G
DIM.: 50MM	SPEC.: AGL-560-27X60	SERIAL No.:
MFR.: AQUALUX		



Photon & Colormetric & Photometric Quantities:

PPFD=0.70967umol/m2/s Ee, PAR=0.14559W/m2 K_PPFD, E=0.014284 K_PAR, E=0.0029303
 Chromaticity Coordinates: x=0.4599 y=0.4165/u'=0.2599 v'=0.5296 duv=0.00216
 Tc=2745K Dominant WL: Ld=583.3nm Purity=63.1%
 Ratio: R=24.6% G=73.0% B=2.4% Peak WL: Lp=604.7nm HWL: 111.7nm
 Rendering Index: Ra=81.6 TM-30: Rf=84 Rg=92 CQS: Qa=84.24 TLCI = 69
 R1 =80 R2 =92 R3 =94 R4 =79 R5 =81 R6 =92 R7 =81
 R8 =55 R9 =2 R10=83 R11=78 R12=74 R13=83 R14=97 R15=71
 E = 49.68 lx Ee = 0.1519 W/m2

Status: T=960.00ms Ip=46510 (71%) [HAAS-1200(CAN)]

Electrical: U=23.8V I=0.22431A P=5.3386W PF=1.0000

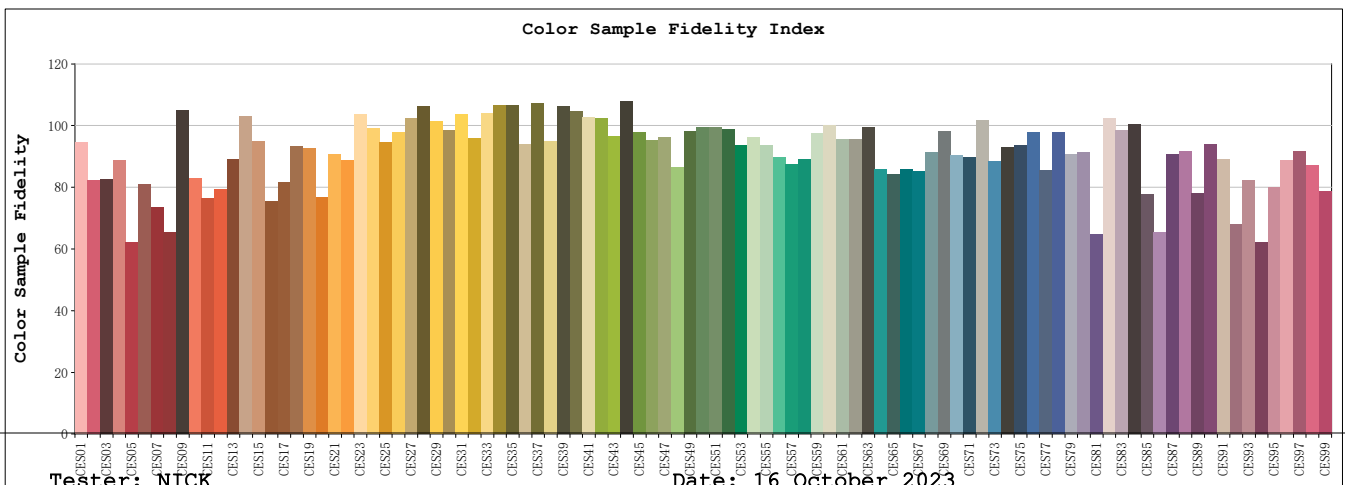
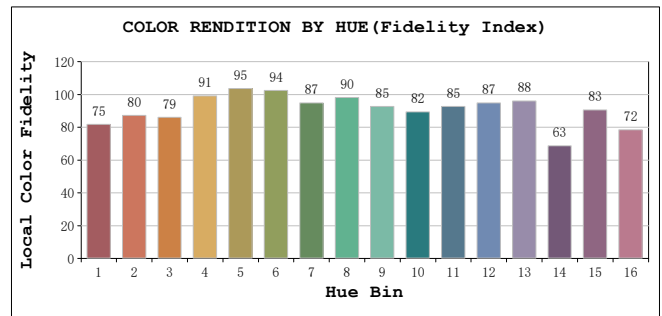
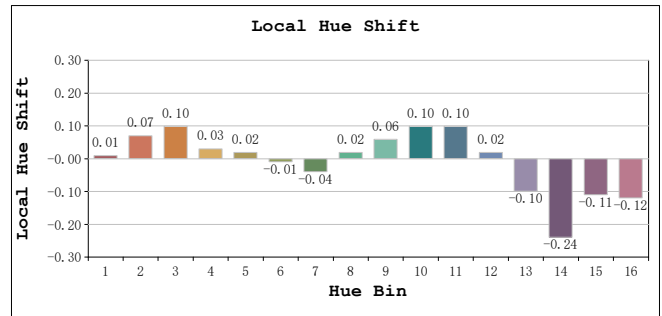
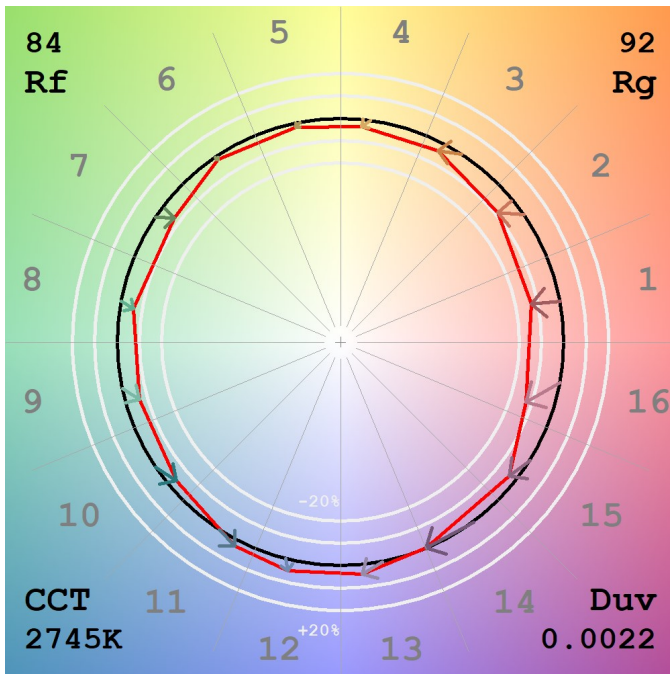
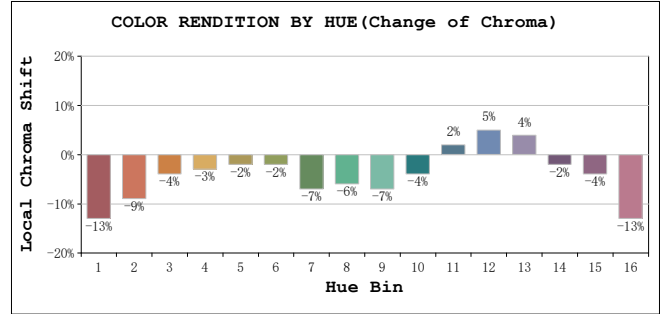
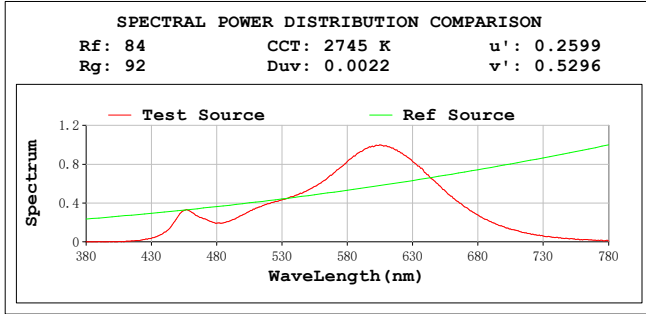
Test position: Center

Tester: NICK
 Temperature: 20°C
 Manufacturer: AQUALUX

Date: 16 October 2023
 Humidity: 65.0%
 Remarks: AGL-560-27X602700K / 60D / 6W / 550LM

System: GO-SPEX500_V1

TM30



Tester: NICK
 Temperature: 20°C
 Manufacturer: AQUALUX
 System: GO-SPEX500_V1

Date: 16 October 2023
 Humidity: 65.0%
 Remarks: AGL-560-27X602700K / 60D / 6W / 550LM

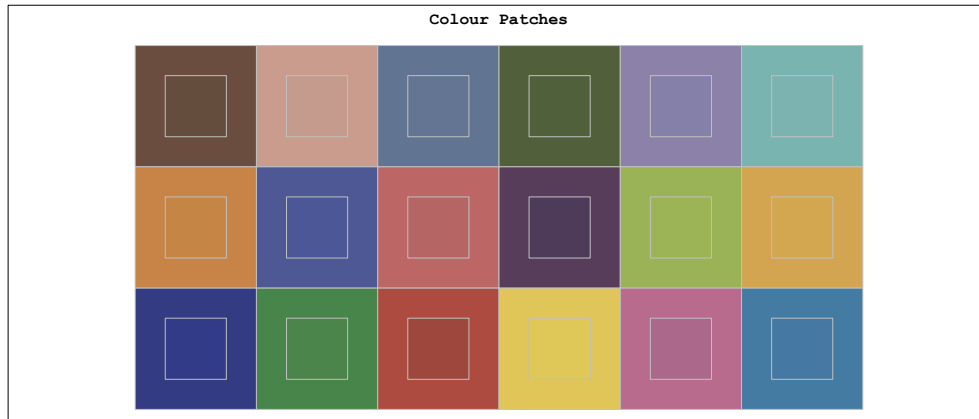
All Rf:

Rf1 = 86.7	Rf2 = 75.4	Rf3 = 75.7
Rf4 = 81.5	Rf5 = 56.9	Rf6 = 74.2
Rf7 = 67.6	Rf8 = 60.1	Rf9 = 96.3
Rf10 = 76.0	Rf11 = 70.1	Rf12 = 72.8
Rf13 = 81.6	Rf14 = 94.4	Rf15 = 87.1
Rf16 = 69.4	Rf17 = 74.9	Rf18 = 85.6
Rf19 = 84.9	Rf20 = 70.3	Rf21 = 83.1
Rf22 = 81.6	Rf23 = 95.1	Rf24 = 91.1
Rf25 = 86.7	Rf26 = 89.7	Rf27 = 93.8
Rf28 = 97.6	Rf29 = 93.1	Rf30 = 90.2
Rf31 = 95.0	Rf32 = 88.0	Rf33 = 95.4
Rf34 = 97.9	Rf35 = 97.7	Rf36 = 86.0
Rf37 = 98.4	Rf38 = 87.0	Rf39 = 97.6
Rf40 = 96.0	Rf41 = 94.1	Rf42 = 93.8
Rf43 = 88.5	Rf44 = 98.9	Rf45 = 89.8
Rf46 = 87.3	Rf47 = 88.3	Rf48 = 79.2
Rf49 = 89.9	Rf50 = 91.2	Rf51 = 91.2
Rf52 = 90.6	Rf53 = 86.0	Rf54 = 88.2
Rf55 = 85.9	Rf56 = 82.3	Rf57 = 80.3
Rf58 = 81.6	Rf59 = 89.5	Rf60 = 91.9
Rf61 = 87.7	Rf62 = 87.7	Rf63 = 91.3
Rf64 = 78.8	Rf65 = 77.1	Rf66 = 78.8
Rf67 = 78.1	Rf68 = 83.7	Rf69 = 89.9
Rf70 = 82.9	Rf71 = 82.4	Rf72 = 93.4
Rf73 = 81.1	Rf74 = 85.3	Rf75 = 86.0
Rf76 = 89.8	Rf77 = 78.4	Rf78 = 89.7
Rf79 = 83.3	Rf80 = 83.9	Rf81 = 59.2
Rf82 = 94.0	Rf83 = 90.4	Rf84 = 92.2
Rf85 = 71.3	Rf86 = 59.9	Rf87 = 83.2
Rf88 = 84.2	Rf89 = 71.7	Rf90 = 86.1
Rf91 = 81.6	Rf92 = 62.3	Rf93 = 75.4
Rf94 = 56.9	Rf95 = 73.5	Rf96 = 81.3
Rf97 = 84.2	Rf98 = 79.9	Rf99 = 72.3

Tester: NICK
Temperature: 20°C
Manufacturer: AQUALUX

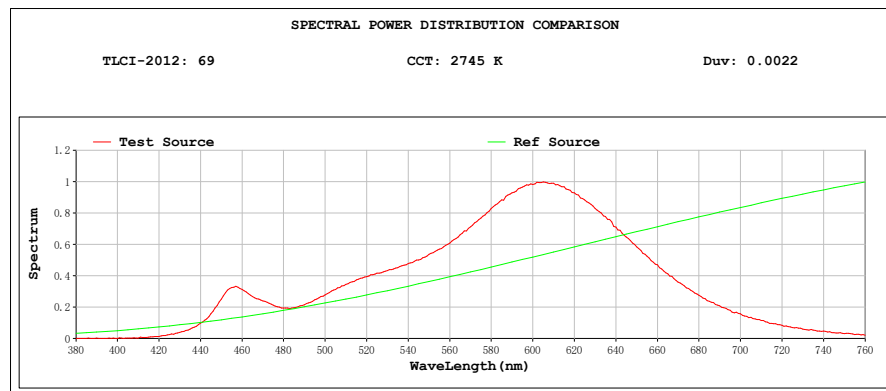
Date: 16 October 2023
Humidity: 65.0%
Remarks: AGL-560-27X602700K / 60D / 6W / 550LM

System: GO-SPEX500_V1



Colourist's Advice Report

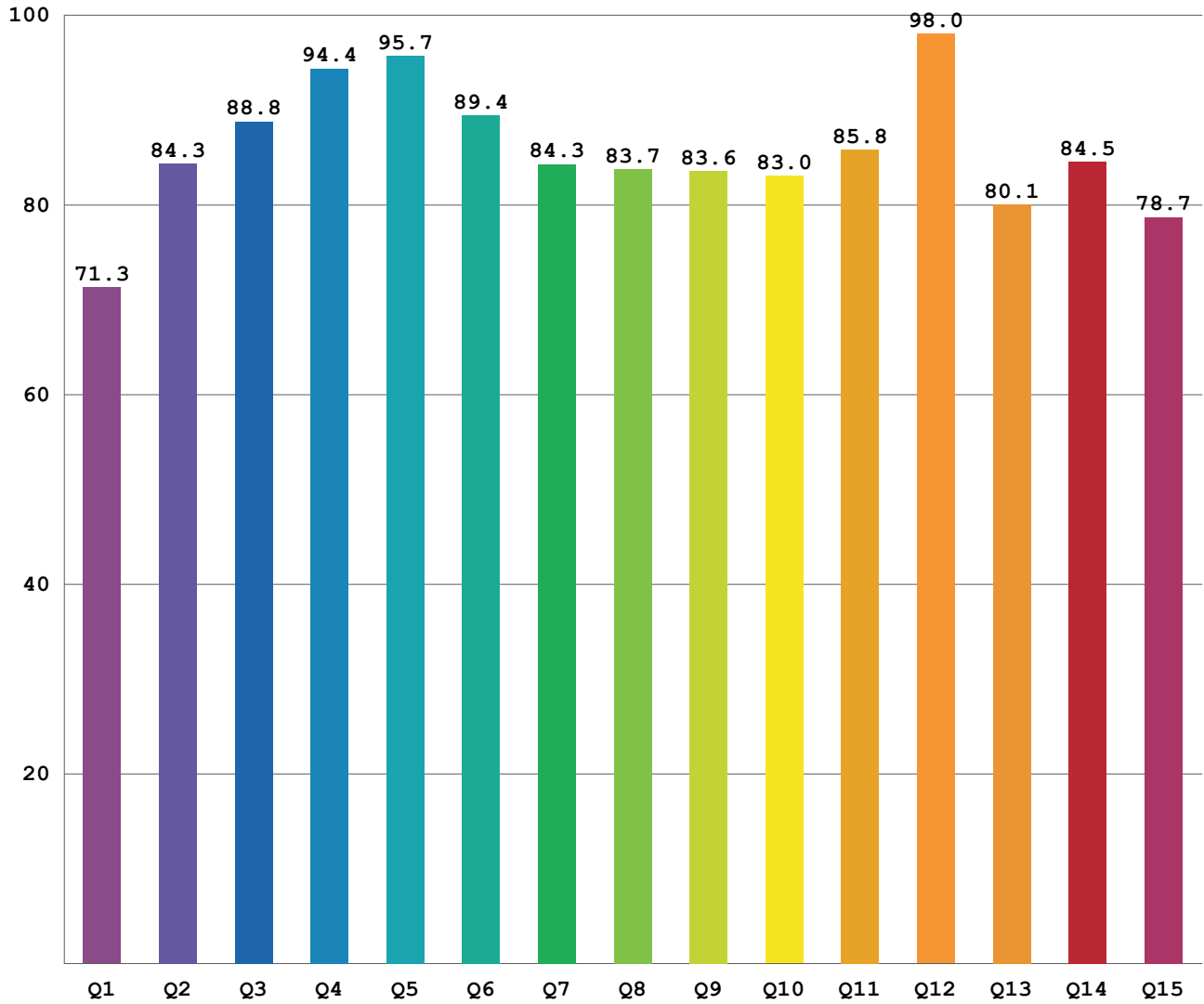
Sector	Lightness	Chroma	Hue
R	-4	-2	0
R/Y	-1	-2	3
Y	0	0	2
Y/G	0	0	0
G	1	-1	-1
G/C	0	-1	-1
C	0	-1	0
C/B	-1	1	3
B	0	1	1
B/M	-2	1	-4
M	-3	-2	-5
M/R	-5	-2	-3



Tester: NICK
 Temperature: 20°C
 Manufacturer: AQUALUX
 System: GO-SPEX500_V1

Date: 16 October 2023
 Humidity: 65.0%
 Remarks: AGL-560-27X602700K / 60D / 6W / 550LM

CQS: 84.2



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
71.3	84.3	88.8	94.4	95.7	89.4	84.3	83.7	83.6	83.0	85.8	98.0	80.1	84.5	78.7

Tester: NICK
 Temperature: 20°C
 Manufacturer: AQUALUX
 System: GO-SPEX500_V1

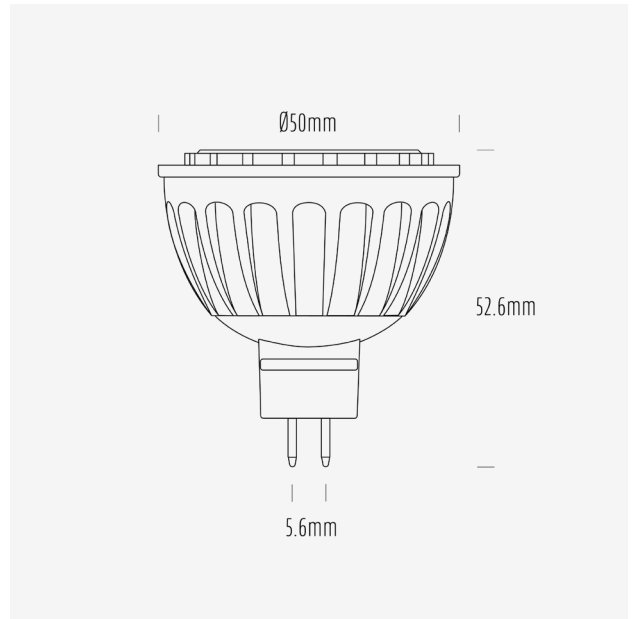
Date: 16 October 2023
 Humidity: 65.0%
 Remarks: AGL-560-27X602700K / 60D / 6W / 550LM

AGL 560 Series

MR16 LED Globes



AGL-560-30X40 / 3000K / MR16 / 40°



Product Data

Product Code	AGL-560-30X40		
Description	Aqualux 560 Series LED Lamp		
Type	MR16 GU5.6		
Construction	Aluminium Heatsink + PMMA Optic		
Warranty	3 Years		

Electrical Data

Input Voltage Range	12~24V AC/DC			
Nominal Voltage	24VDC			
Nominal Power	6W			
Nominal Current	250mA			
Input Voltage	12VDC	12VAC	24VDC	24VAC
Rated Power	6.0	3.9	5.6	5.9
Operating Frequency	-	50Hz	-	50Hz

Max. no. of lamps on AQD24-040	5	-	5	-
Max. no. of lamps on AQD24-100	17	-	17	-
Max. no. of lamps on AQD24-240	-	-	-	-

Dimming Compatibility	Non dimming			
Wiring Scheme	Parallel			
Startup Time	< 0.5s			

Mechanical & Thermal Data

Overall Length	52.6mm			
Max Diameter	50mm			
Lamp Base	GU5.6			
Weight	55g			
Operating Temp Range	-20° - 45°			
IP Rating	IP20			

Photometric Data

Nominal Flux (lm)	560			
Input Voltage	12VDC	12VAC	24VDC	24VAC
Input Power (W)	6.0	3.9	5.6	5.9
Rated Flux (lm)	677	442	685	694
Efficacy (lm/W)	114	114	123	118

CCT	3000K			
CCT Description	Warm White			
CRI (Ra)	82			
CRI (R9)	5			
TM-30 (Rf)	83			
TM-30 (Rg)	97			
SDCM	-			
Peak Intensity (cd)	757			
Nominal Beam Angle	40°			
Measured Beam Angle (FWHM)	42°			

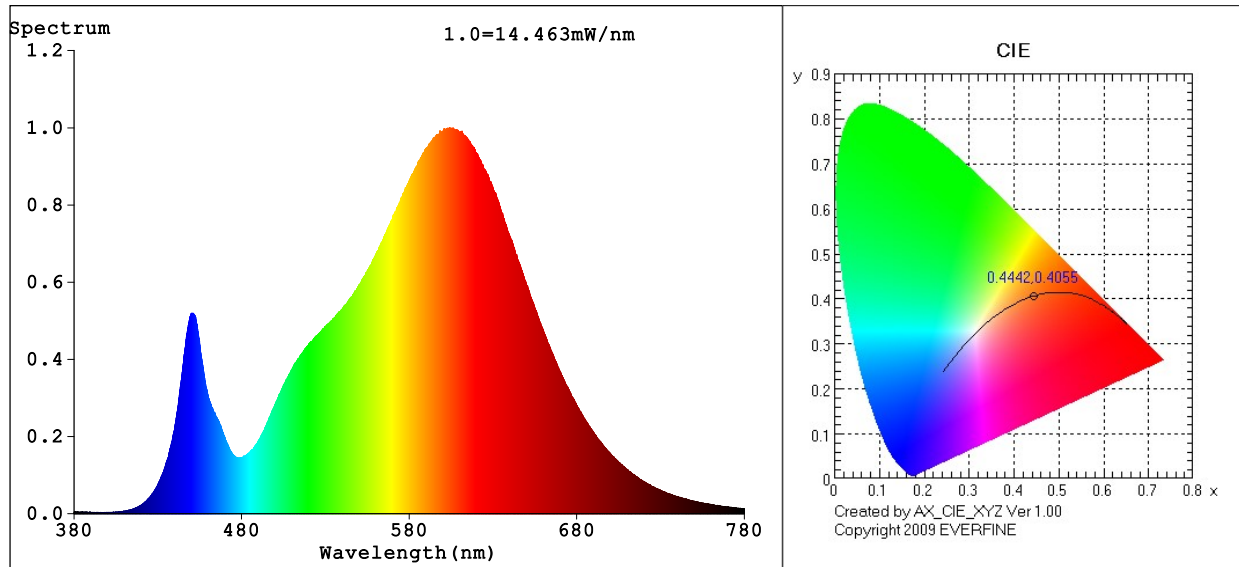
Lifespan Data

L70	15,000h			
Switching Cycles	15,000			

Compliance Data

EMI	Yes			
RCM	N/A			
Mercury Content	0mg			

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4442$ $y=0.4055$ / $u'=0.2546$ $v'=0.5230$
 CCT=2894K (Duv=-0.0004) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=55.0%
 Ratio:R=23.5% G=74.3% B=2.2%; Peak WL:Lp=604.1nm FWHM=124.0nm
 Render Index:Ra=81.7 AvgR=75.7 TM30:Rf=83 Rg=97

R1 =80 R2 =90 R3 =97 R4 =80 R5 =80 R6 =87 R7 =82
 R8 =58 R9 =5 R10=77 R11=79 R12=69 R13=82 R14=99 R15=72

Photo Parameters:

Flux = 693.8 lm Eff. : 117.89 lm/W Fe = 2.108 W

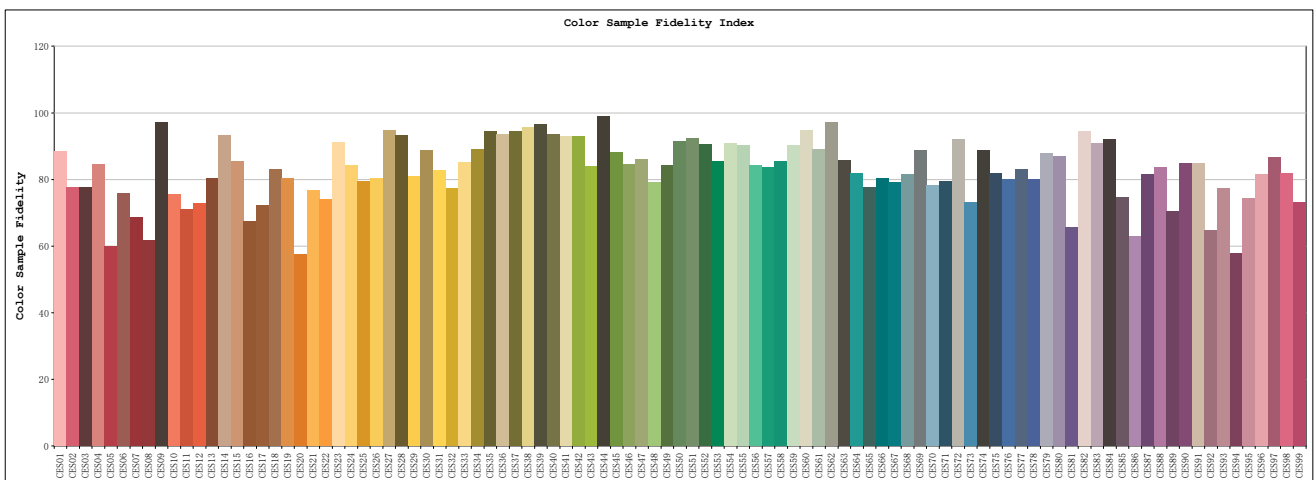
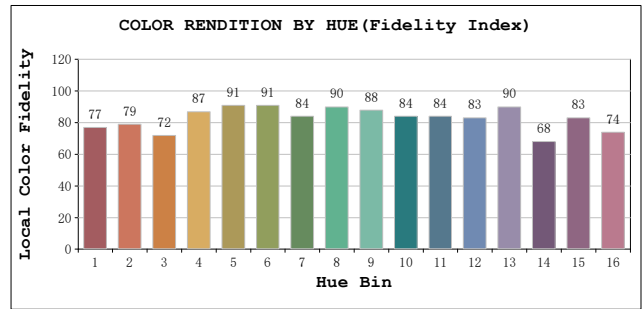
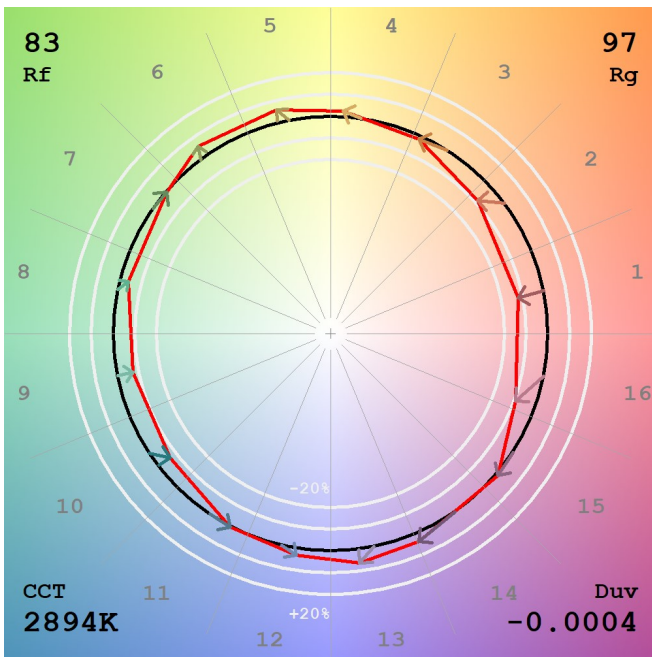
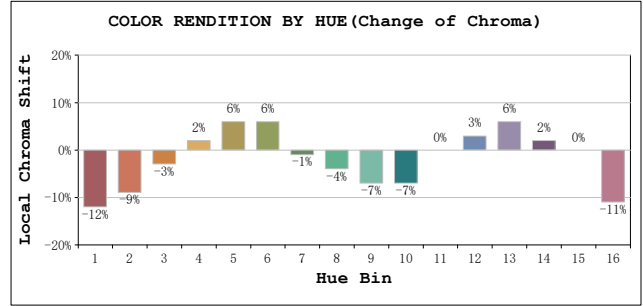
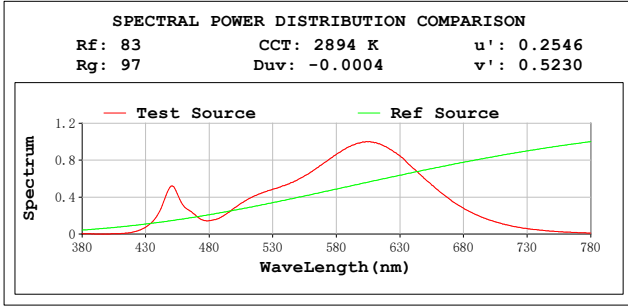
Electrical parameters:

V = 23.948 V I = 0.3706 A P = 5.886 W PF = 0.6632
 LEVEL:OUT WHITE:ANSI_3000K
 Status: Integral T = 175 ms Ip = 44138 (67%)

GBT5702

TM30

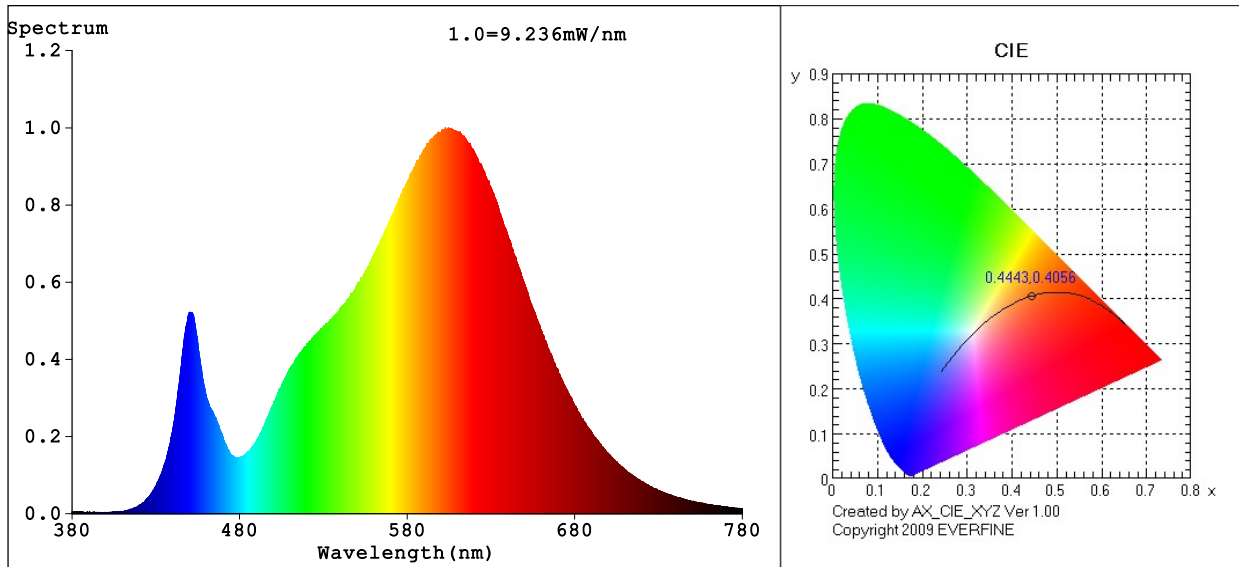
View Angle:2 Deg



Model:AGL-560-30X40
 Tester:NC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AGL-560-30X40 24VAC
 Date:2023-10-17 14:36:52
 Humidity:65.0%
 Remarks:24VAC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4443$ $y=0.4056$ / $u'=0.2547$ $v'=0.5231$
 CCT=2891K (Duv=-0.0004) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=55.1%
 Ratio:R=23.5% G=74.2% B=2.2%; Peak WL:Lp=602.8nm FWHM=124.4nm
 Render Index:Ra=81.8 AvgR=75.9 TM30:Rf=83 Rg=97

R1 =80 R2 =90 R3 =97 R4 =80 R5 =80 R6 =88 R7 =83
 R8 =58 R9 =6 R10=77 R11=79 R12=69 R13=82 R14=99 R15=73

Photo Parameters:

Flux = 442.2 lm Eff. : 114.34 lm/W Fe = 1.344 W

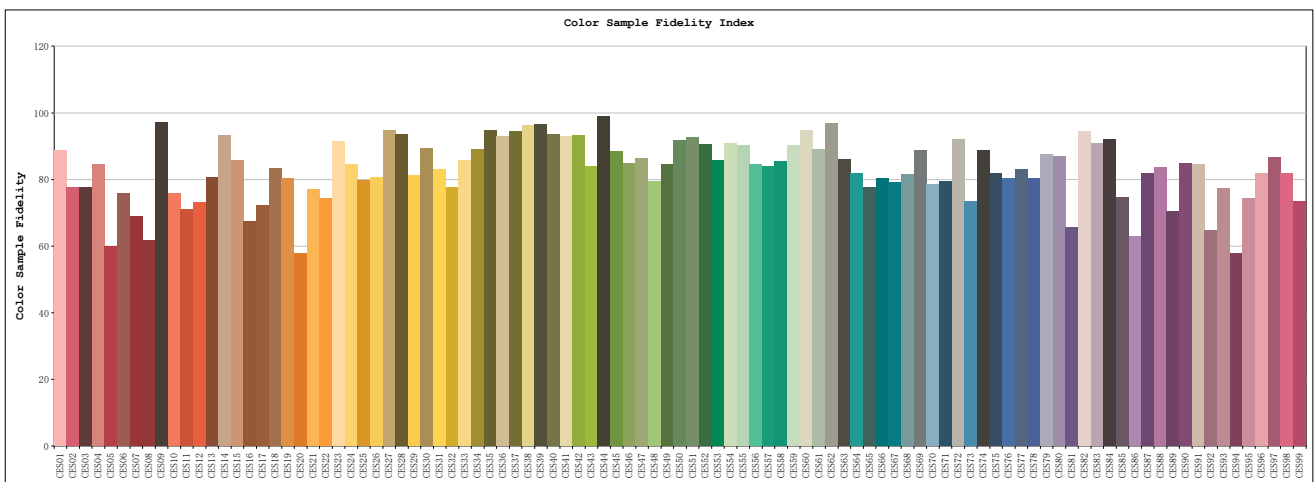
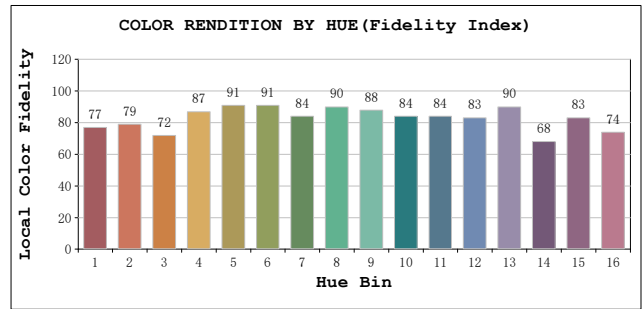
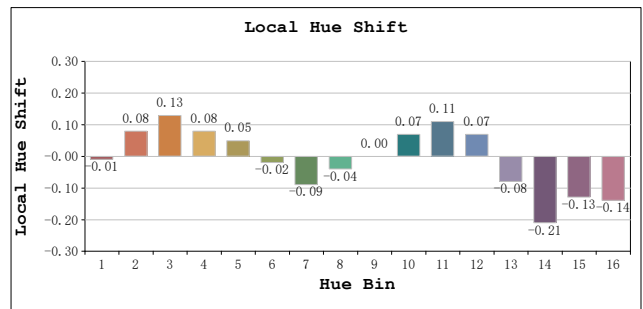
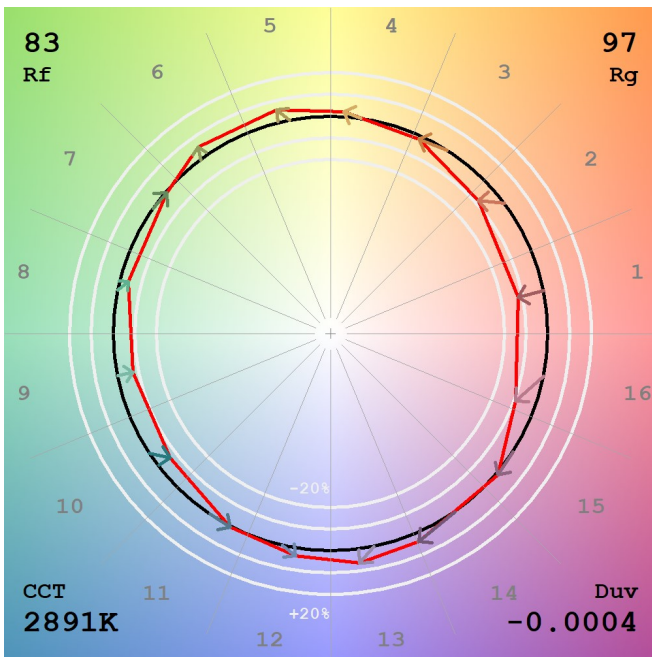
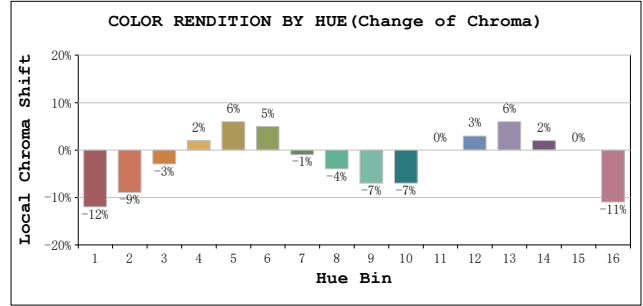
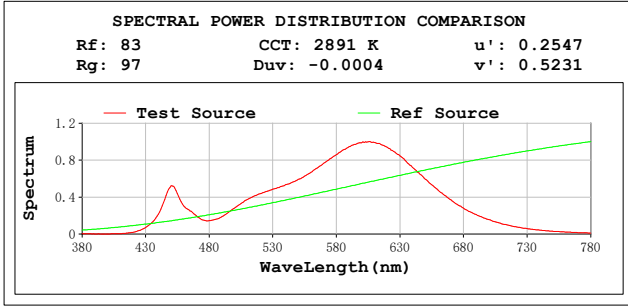
Electrical parameters:

V = 11.974 V I = 0.4159 A P = 3.868 W PF = 0.7767
 LEVEL:OUT WHITE:ANSI_3000K
 Status: Integral T = 317 ms Ip = 51007 (78%)

GBT5702

TM30

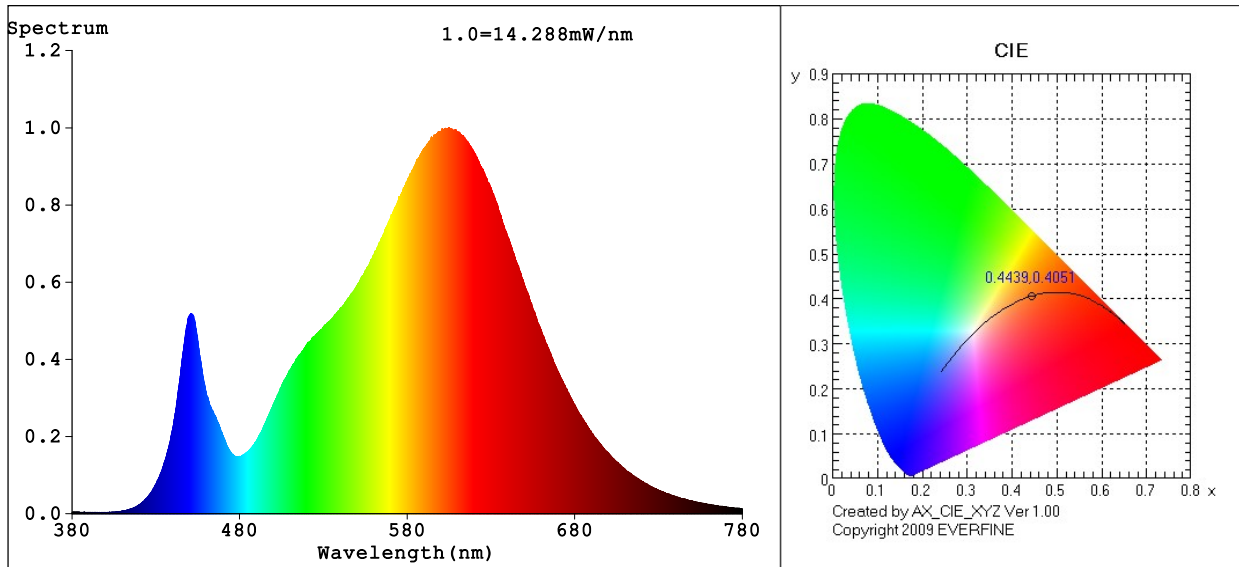
View Angle: 2 Deg



Model:AGL-560-30X40
 Tester:NC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AGL-560-30X40 12VAC
 Date:2023-10-17 14:37:53
 Humidity:65.0%
 Remarks:12VAC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4439$ $y=0.4051$ / $u'=0.2546$ $v'=0.5228$
 CCT=2895K (Duv=-0.0005) Dominant WL:Ld =583.5nm WL:Lc = --nm Purity=54.8%
 Ratio:R=23.5% G=74.3% B=2.2%; Peak WL:Lp=605.1nm FWHM=123.6nm
 Render Index:Ra=81.6 AvgR=75.7 TM30:Rf=83 Rg=97

R1 =80 R2 =90 R3 =97 R4 =79 R5 =80 R6 =88 R7 =82
 R8 =58 R9 =5 R10=77 R11=78 R12=69 R13=82 R14=99 R15=72

Photo Parameters:

Flux = 685.0 lm Eff. : 122.89 lm/W Fe = 2.082 W

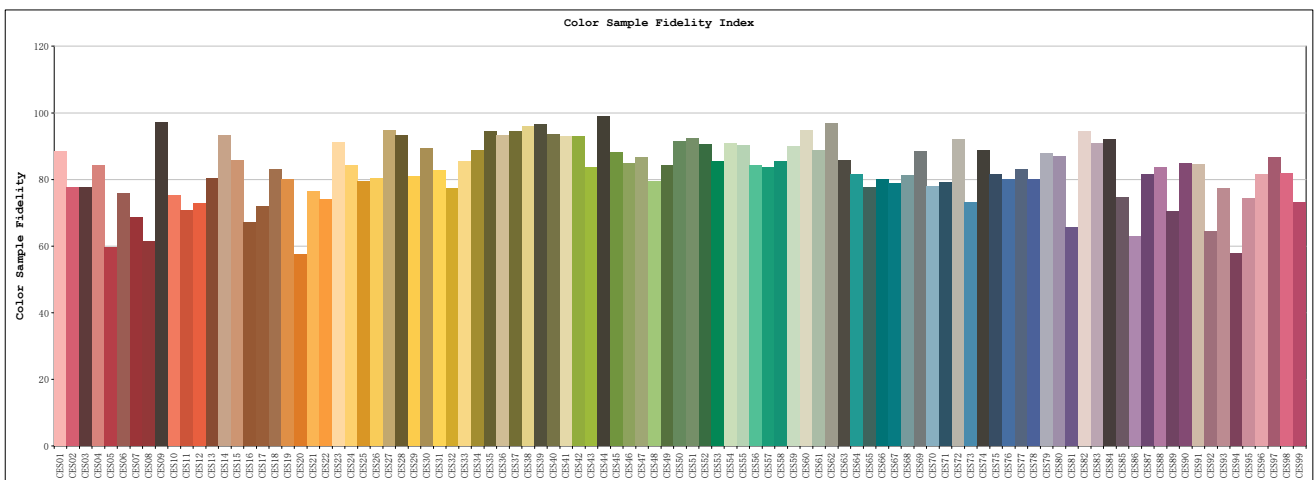
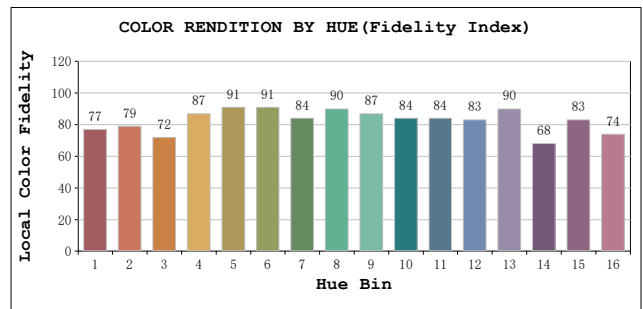
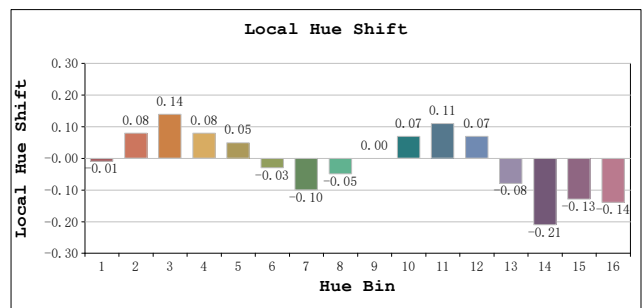
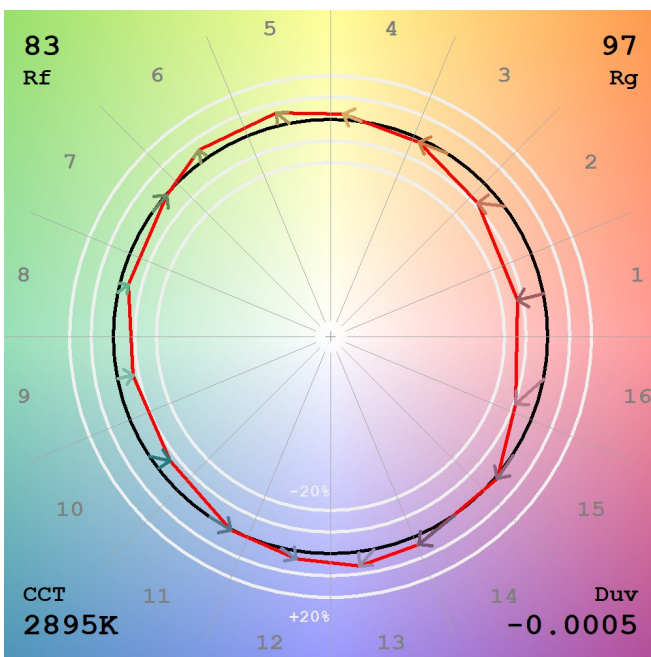
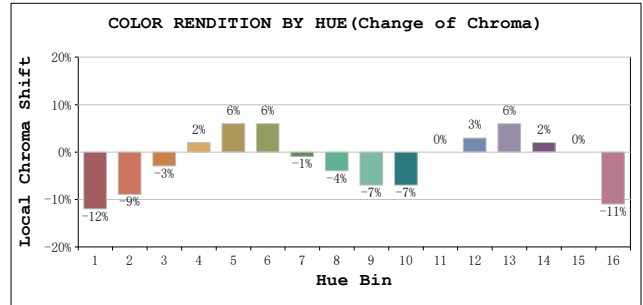
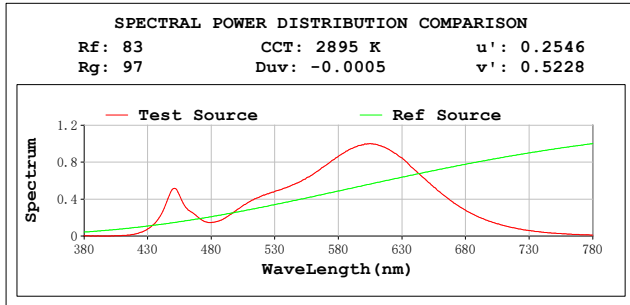
Electrical parameters:

V = 23.983 V I = 0.2324 A P = 5.574 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_3000K
 Status: Integral T = 158 ms Ip = 39389 (60%)

GBT5702

TM30

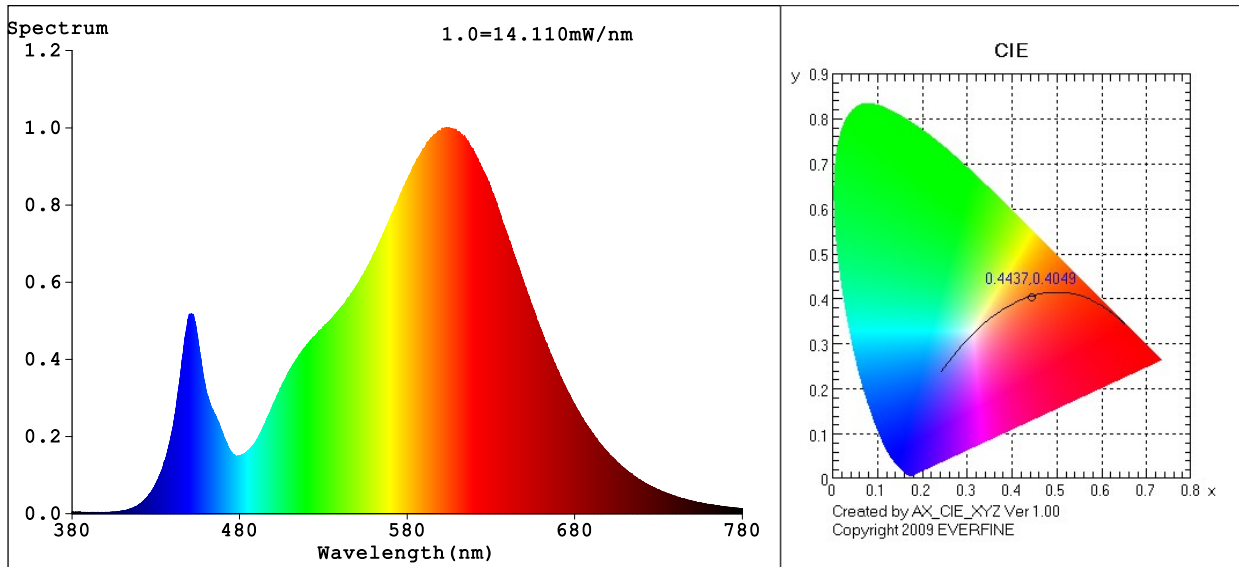
View Angle:2 Deg



Model:AGL-560-30X40
 Tester:NC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AGL-560-30X40 24VDC
 Date:2023-10-17 14:39:06
 Humidity:65.0%
 Remarks:24VDC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4437$ $y=0.4049$ / $u'=0.2546$ $v'=0.5227$
 CCT=2896K (Duv=-0.0006) Dominant WL:Ld =583.5nm WL:Lc = --nm Purity=54.7%
 Ratio:R=23.5% G=74.3% B=2.3%; Peak WL:Lp=603.5nm FWHM=124.0nm
 Render Index:Ra=81.6 AvgR=75.7 TM30:Rf=83 Rg=97

R1 =80 R2 =90 R3 =97 R4 =79 R5 =80 R6 =88 R7 =82
 R8 =58 R9 =5 R10=77 R11=78 R12=69 R13=82 R14=99 R15=72

Photo Parameters:

Flux = 677.1 lm Eff. : 113.65 lm/W Fe = 2.059 W

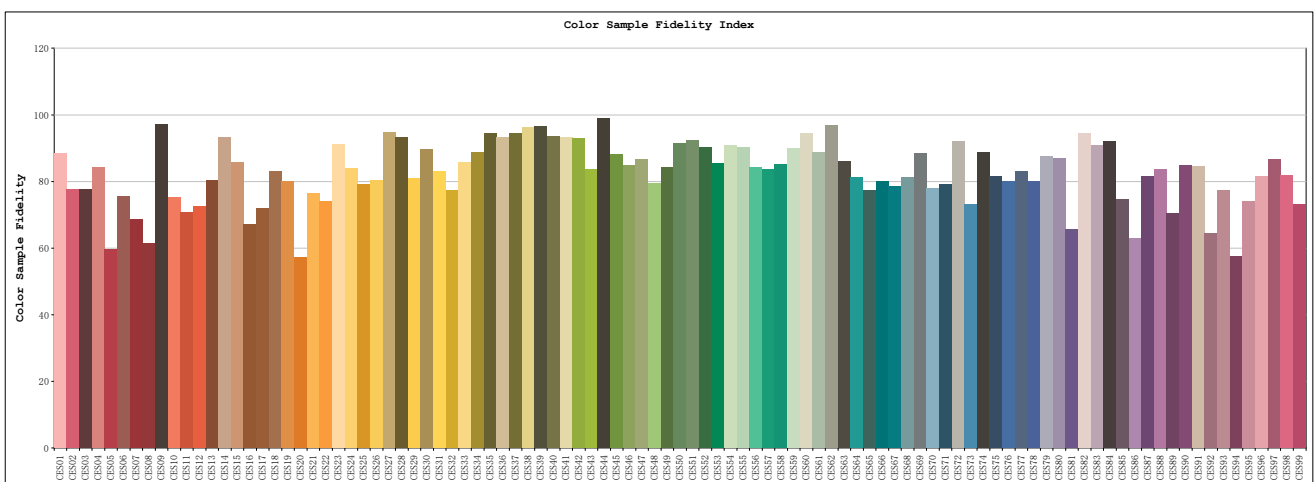
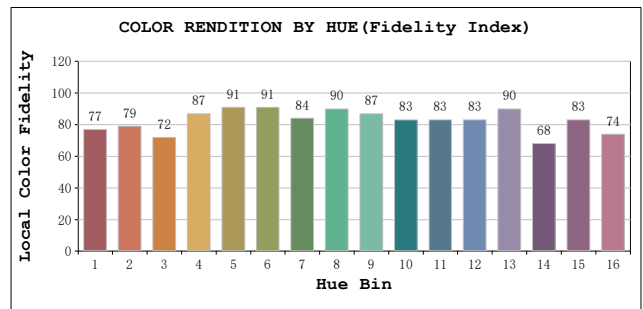
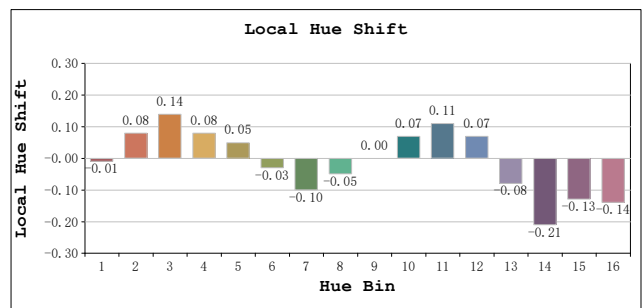
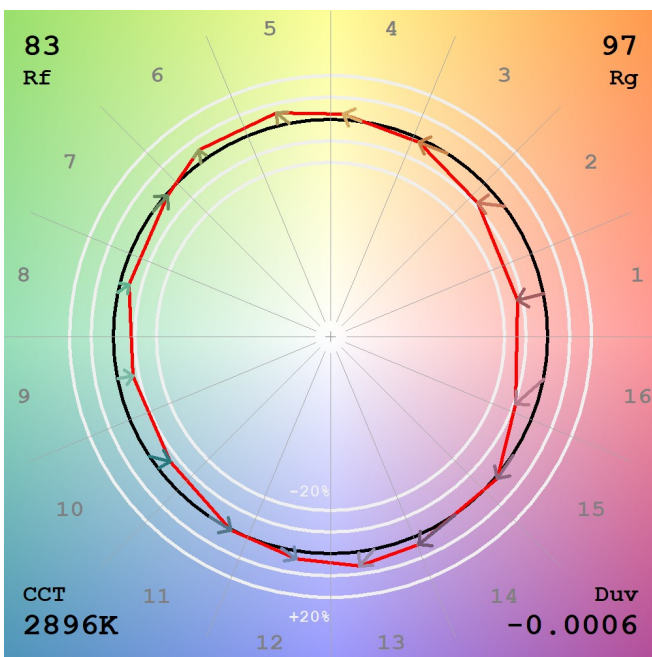
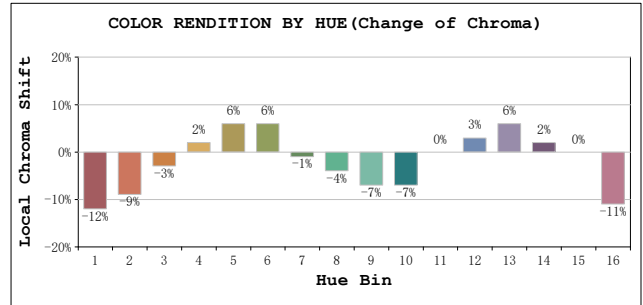
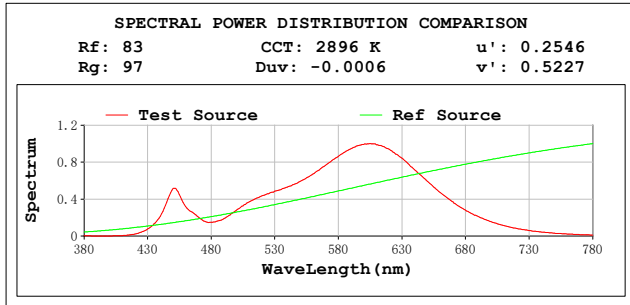
Electrical parameters:

V = 11.961 V I = 0.4981 A P = 5.958 W PF = 1.0000
 LEVEL:OUT WHITE:ANSI_3000K
 Status: Integral T = 158 ms Ip = 38989 (59%)

GBT5702

TM30

View Angle:2 Deg



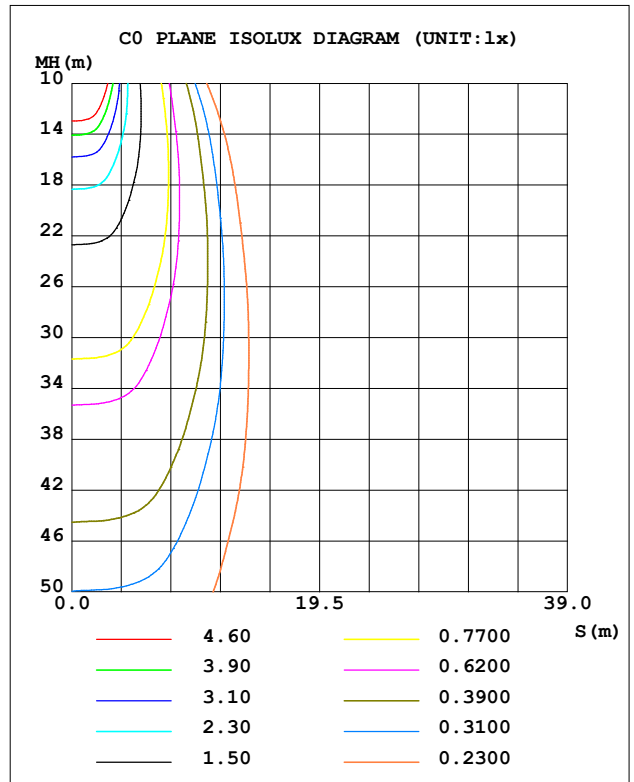
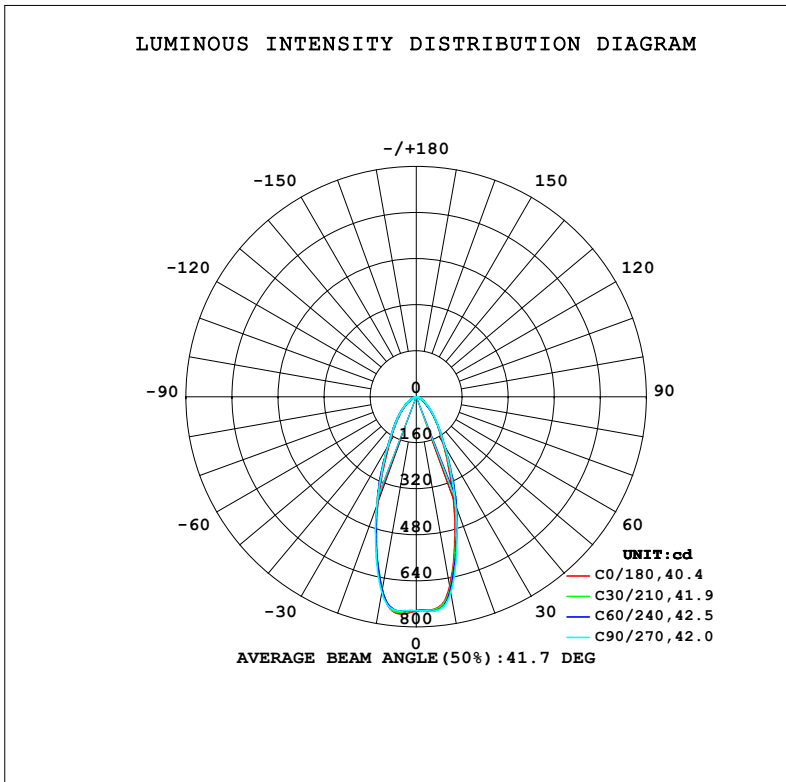
Model:AGL-560-30X40
 Tester:NC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AGL-560-30X40 12VDC
 Date:2023-10-17 14:39:43
 Humidity:65.0%
 Remarks:12VDC

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.801V I:0.2227A P:5.3011W PF:1.0000 Freq:0Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:556.038x1 lm		
NAME: AGL-560-30X40	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X40	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	AGL-560-30X40	I _{max} (cd)	757.0	S/MH (C0/180)	0.67
NOMINAL POWER (W)	6	LOR (%)	100.0	S/MH (C90/270)	0.68
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	556.04	η UP, DN (C0-180)	0.0, 50.1
NOMINAL FLUX (lm)	556.038	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.9
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	24	η down (%)	100.0	CIBSE SHR MAX	0.70



C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operators: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	∅ zone	∅ total	%lum, lamp
10	669.4	681.7	690.5	682.0	682.3	682.0	690.5	681.7	0- 10	69.50	69.50	12.5,12.5
20	377.9	408.8	400.2	401.0	389.5	401.0	400.2	408.8	10- 20	148.2	217.7	39.2,39.2
30	187.2	199.7	197.0	198.5	185.9	198.5	197.0	199.7	20- 30	130.2	347.9	62.6,62.6
40	102.8	104.6	106.9	110.1	100.5	110.1	106.9	104.6	30- 40	89.87	437.8	78.7,78.7
50	55.45	51.45	57.20	57.07	53.22	57.07	57.20	51.45	40- 50	59.91	497.7	89.5,89.5
60	27.34	23.64	28.08	26.42	25.98	26.42	28.08	23.64	50- 60	34.62	532.3	95.7,95.7
70	9.658	8.459	10.34	9.692	9.669	9.692	10.34	8.459	60- 70	16.88	549.2	98.8,98.8
80	2.330	2.436	2.562	2.763	2.580	2.763	2.562	2.436	70- 80	5.439	554.7	99.8,99.8
90	0.0057	0.0016	0.0044	0.0036	0.0016	0.0036	0.0044	0.0016	80- 90	1.382	556.0	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 471.29 lm

%lum = 84.8%

%lamp = 84.8%

Conical surface Flux(130deg): 542.68 lm

%lum = 97.6%

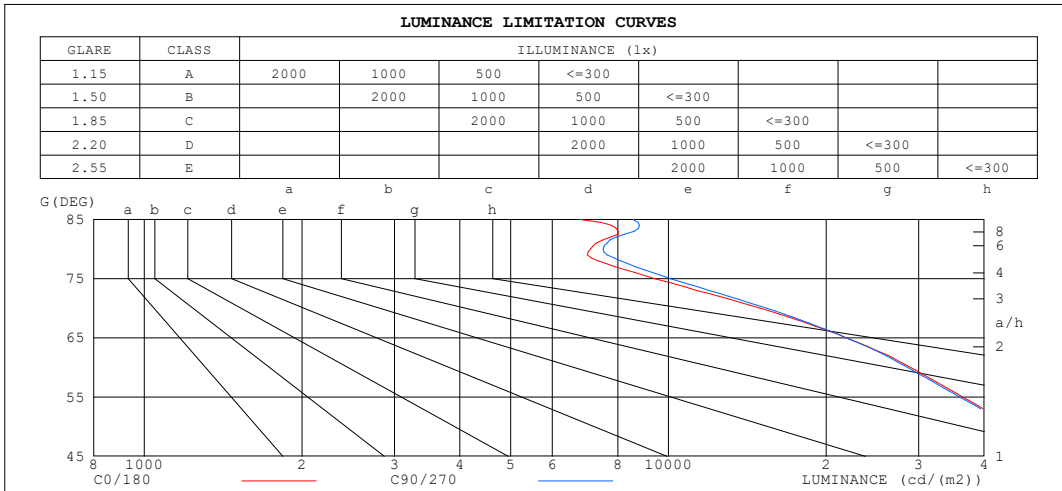
%lamp = 97.6%

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

LUMINANCE LIMITATION CURVES

Test:U:23.801V I:0.2227A P:5.3011W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:556.038x1 lm		
NAME: AGL-560-30X40	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X40	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6774	8549
80	7104	7499
75	9408	10082
70	14949	15370
65	21808	21808
60	28943	28546
55	36399	35932
50	45667	45226
45	57132	56905

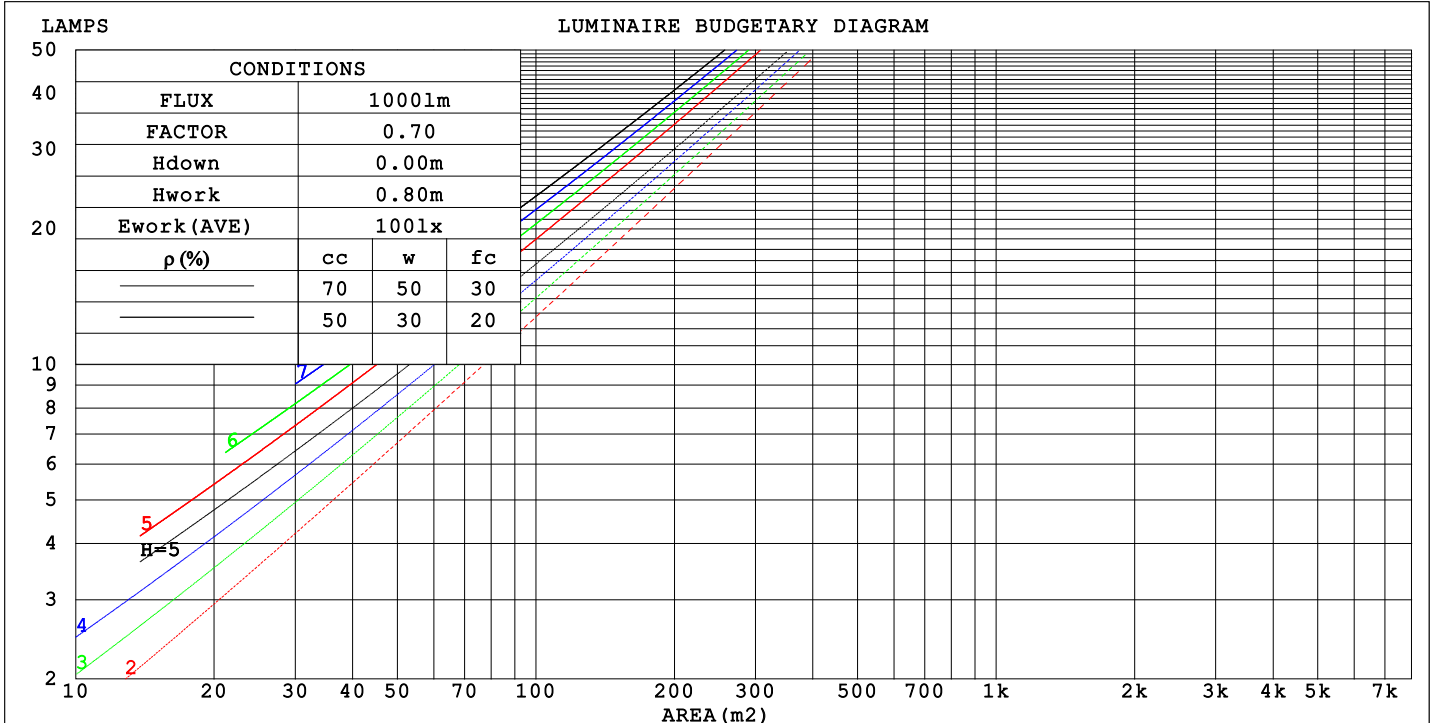
C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operator: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.801V I:0.2227A P:5.3011W PF:1.0000 Freq:0Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:556.038x1 lm		
NAME: AGL-560-30X40	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X40	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization (CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.10	1.07	1.04	1.07	1.05	1.03	1.03	1.01	.99	.90	.98	.96	.96	.95	.94	.92
2.0	1.01	.96	.93	.99	.95	.91	.96	.92	.89	.93	.90	.88	.90	.88	.86	.84
3.0	.93	.88	.83	.92	.87	.82	.89	.85	.81	.86	.83	.80	.84	.81	.79	.77
4.0	.86	.80	.76	.85	.79	.75	.83	.78	.74	.81	.77	.73	.79	.75	.72	.71
5.0	.80	.74	.69	.79	.73	.69	.78	.72	.68	.76	.71	.68	.74	.70	.67	.65
6.0	.75	.69	.64	.74	.68	.64	.73	.67	.63	.71	.66	.63	.70	.66	.62	.61
7.0	.70	.64	.59	.70	.64	.59	.68	.63	.59	.67	.62	.59	.66	.62	.58	.57
8.0	.66	.60	.56	.66	.60	.55	.65	.59	.55	.63	.59	.55	.62	.58	.55	.53
9.0	.63	.56	.52	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.51	.50
10.0	.59	.53	.49	.59	.53	.49	.58	.53	.49	.57	.52	.49	.56	.52	.49	.47



C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operators: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

WEC AND CCEC

Test:U:23.801V I:0.2227A P:5.3011W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:556.038x1 lm		
NAME: AGL-560-30X40	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X40	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.200	.114	.036	.193	.110	.035	.181	.104	.033	.169	.097	.031	.158	.092	.030	
2.0	.192	.105	.032	.186	.103	.032	.175	.098	.030	.165	.093	.029	.156	.088	.028	
3.0	.182	.097	.029	.177	.095	.029	.168	.091	.028	.159	.087	.027	.151	.084	.026	
4.0	.172	.089	.026	.168	.088	.026	.160	.085	.025	.152	.082	.025	.145	.079	.024	
5.0	.162	.083	.024	.159	.081	.024	.152	.079	.023	.145	.077	.023	.139	.074	.022	
6.0	.154	.077	.022	.150	.076	.022	.144	.074	.022	.138	.072	.021	.133	.070	.021	
7.0	.146	.072	.020	.143	.071	.020	.137	.069	.020	.132	.068	.020	.127	.066	.019	
8.0	.138	.068	.019	.136	.067	.019	.131	.065	.019	.126	.064	.018	.122	.063	.018	
9.0	.131	.064	.018	.129	.063	.018	.125	.062	.017	.121	.060	.017	.117	.059	.017	
10.0	.125	.060	.017	.123	.060	.017	.119	.058	.016	.116	.057	.016	.112	.056	.016	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.050	.019	.017	.016	
2.0	.159	.132	.110	.136	.114	.095	.093	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.148	.114	.087	.126	.098	.075	.087	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.138	.099	.070	.118	.086	.061	.081	.060	.043	.047	.035	.025	.015	.011	.008	
5.0	.129	.088	.057	.111	.076	.050	.077	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.122	.079	.048	.105	.068	.042	.072	.048	.029	.042	.028	.017	.014	.009	.006	
7.0	.115	.071	.040	.099	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.109	.065	.035	.094	.057	.030	.065	.040	.021	.038	.023	.013	.012	.008	.004	
9.0	.104	.060	.030	.090	.052	.026	.062	.037	.019	.036	.022	.011	.012	.007	.004	
10.0	.099	.056	.027	.085	.048	.023	.059	.034	.016	.035	.020	.010	.011	.007	.003	

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

UGR(Unified Glare Rating) Table

Test:U:23.801V I:0.2227A P:5.3011W PF:1.0000 Freq:0Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:556.038x1 lm										
NAME: AGL-560-30X40					TYPE: MR16 GLOBE			WEIGHT: 100G		
SPEC.: AGL-560-30X40					DIM.: 50MM			SERIAL No.:		
MFR.: AQUALUX					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	24.9	25.9	25.1	26.1	26.3	24.8	25.9	25.1	26.1	26.2
3H	25.2	26.2	25.4	26.4	26.6	25.1	26.1	25.4	26.3	26.5
4H	25.2	26.1	25.5	26.3	26.6	25.2	26.1	25.4	26.3	26.5
6H	25.2	26.0	25.5	26.3	26.5	25.1	26.0	25.4	26.2	26.5
8H	25.1	26.0	25.5	26.2	26.5	25.1	25.9	25.4	26.2	26.5
12H	25.1	25.9	25.5	26.2	26.5	25.1	25.9	25.4	26.2	26.4
4H 2H	25.0	25.9	25.2	26.1	26.3	24.9	25.8	25.2	26.0	26.3
3H	25.3	26.1	25.6	26.4	26.7	25.3	26.1	25.6	26.3	26.6
4H	25.4	26.1	25.7	26.4	26.7	25.3	26.0	25.7	26.3	26.7
6H	25.4	26.0	25.7	26.3	26.7	25.3	26.0	25.7	26.3	26.7
8H	25.4	25.9	25.8	26.3	26.7	25.3	25.9	25.7	26.3	26.6
12H	25.4	25.9	25.8	26.3	26.7	25.3	25.9	25.8	26.3	26.6
8H 4H	25.3	25.9	25.7	26.2	26.6	25.3	25.8	25.7	26.2	26.6
6H	25.3	25.8	25.8	26.2	26.6	25.3	25.8	25.7	26.2	26.6
8H	25.3	25.8	25.8	26.2	26.6	25.3	25.8	25.8	26.2	26.6
12H	25.4	25.7	25.8	26.2	26.6	25.4	25.7	25.8	26.2	26.6
12H 4H	25.3	25.8	25.7	26.2	26.6	25.2	25.8	25.6	26.1	26.5
6H	25.3	25.7	25.7	26.1	26.6	25.3	25.7	25.7	26.1	26.6
8H	25.3	25.7	25.8	26.1	26.6	25.3	25.7	25.8	26.1	26.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.0 / - 1.3					+ 1.0 / - 1.3				
1.5H	+ 1.0 / - 1.1					+ 1.1 / - 1.1				
2.0H	+ 2.1 / - 2.0					+ 2.1 / - 2.0				

CIE Pub.117, 556.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.0)
 Area: 0.001963 m2

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

UTILIZATION FACTORS TABLE

Test:U:23.801V I:0.2227A P:5.3011W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:556.038x1 lm		
NAME: AGL-560-30X40	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X40	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

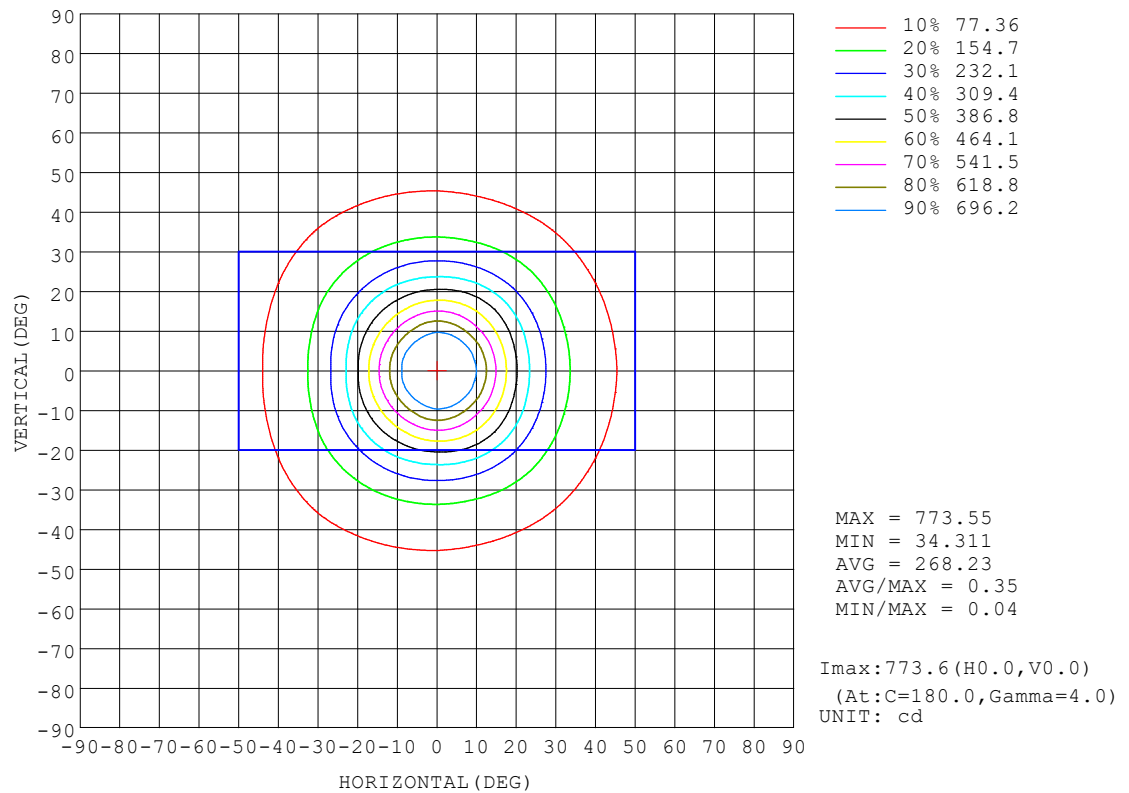
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	78	70	65	77	70	65	77	69	65	61
0.80	87	79	74	86	79	74	85	78	74	69
1.00	93	86	81	92	85	81	90	85	80	75
1.25	98	91	87	97	91	86	95	89	86	81
1.50	101	95	91	100	94	90	97	93	89	84
2.00	105	100	96	104	99	95	101	97	94	88
2.50	107	103	99	106	101	98	102	99	96	90
3.00	109	105	102	108	104	101	104	101	99	92
4.00	112	108	106	110	107	104	106	104	102	94
5.00	113	110	108	111	109	107	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

ISOCANDELA DIAGRAM

Test:U:23.801V I:0.2227A P:5.3011W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:556.038x1 lm		
NAME: AGL-560-30X40	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X40	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

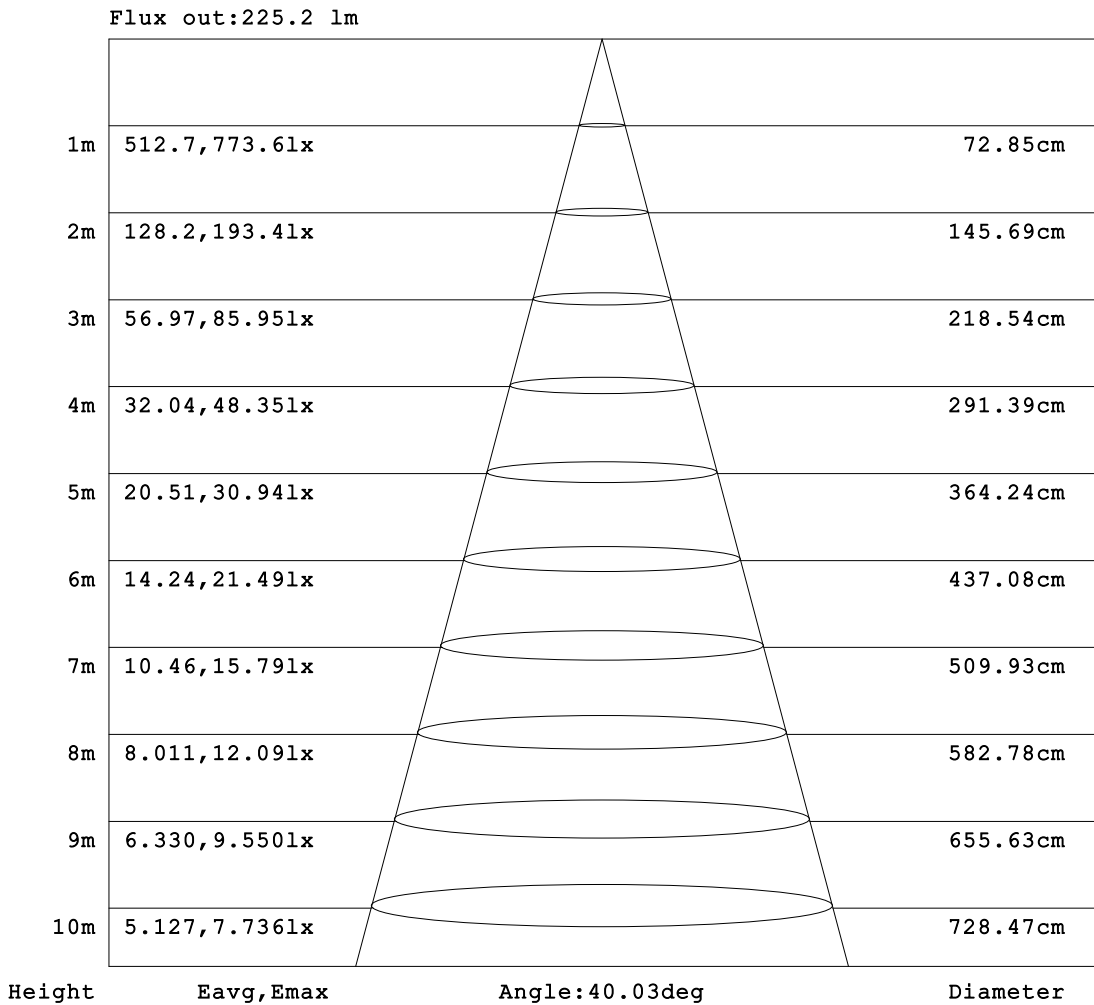


C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

AAI Figure

Test:U:23.801V I:0.2227A P:5.3011W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:556.038x1 lm		
NAME: AGL-560-30X40	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X40	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:



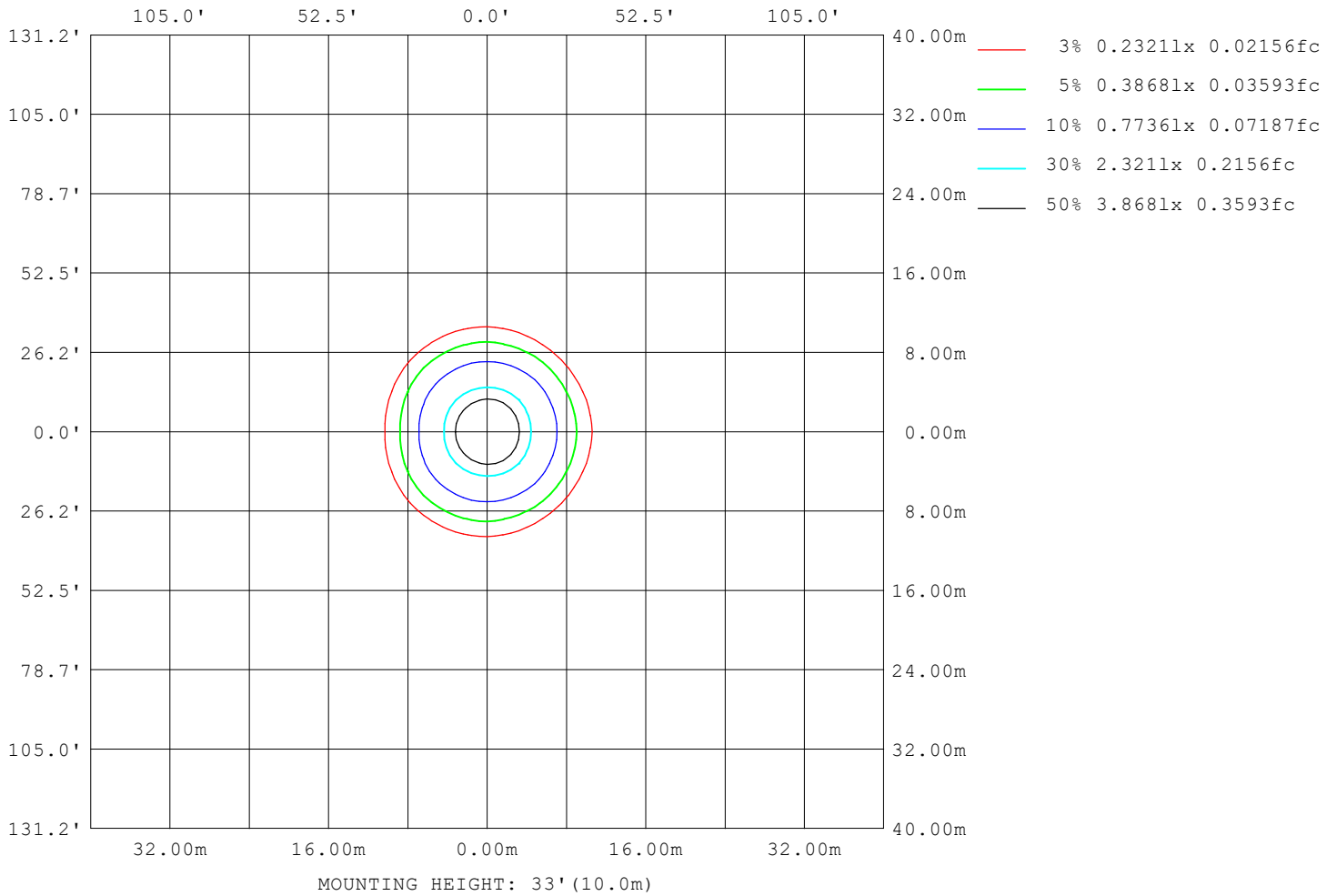
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operators: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

ISOLUX DIAGRAM

Test:U:23.801V I:0.2227A P:5.3011W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:556.038x1 lm		
NAME: AGL-560-30X40	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X40	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:



C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

LED Avg.L Report

Test:U:23.801V I:0.2227A P:5.3011W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:556.038x1 lm		
NAME: AGL-560-30X40	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X40	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

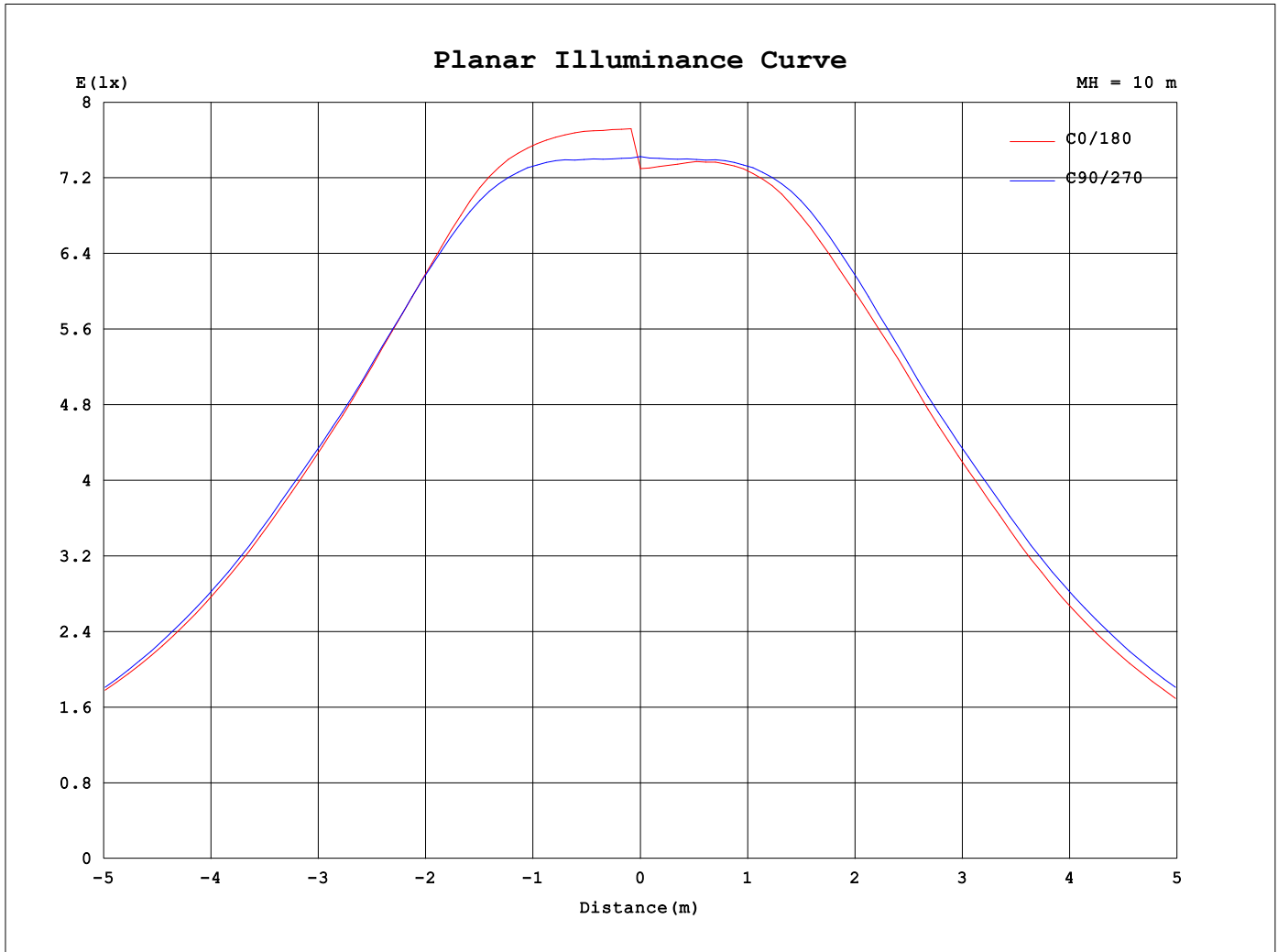
AvgL	cd/m2
L_0~180 (65) av	20665
L_0~180 (75) av	9274
L_0~180 (85) av	7277
L_90~270 (65) av	21858
L_90~270 (75) av	10105
L_90~270 (85) av	8569
L_45 (65) av	19457
L_45 (75) av	9182
L_45 (85) av	8496

Standard: GB/T 29293-2012

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

Planar Illuminance Curve



C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 20°C
 Operators: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.801V I:0.2227A P:5.3011W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:556.038x1 lm		
NAME: AGL-560-30X40	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X40	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

Table--1

UNIT: cd

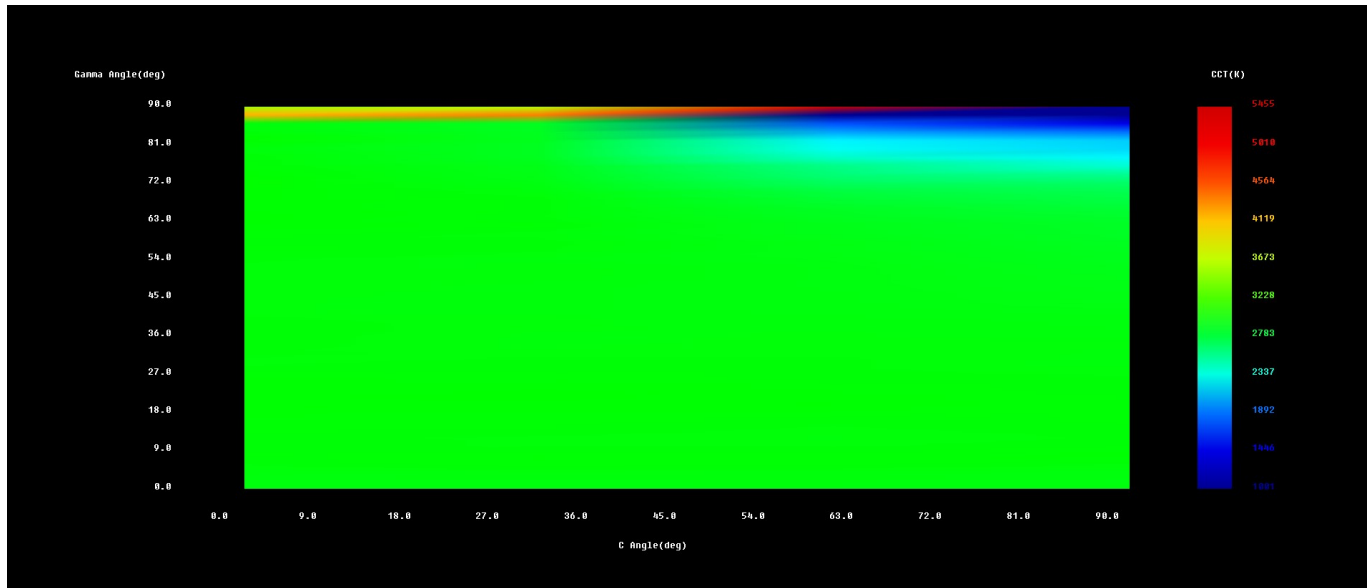
C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744
5	740	742	742	744	746	747	747	748	747	748	751	754	756	754	751	748	747	748	747
10	669	677	678	682	683	688	690	688	682	682	681	684	682	684	681	682	682	688	690
15	519	525	528	532	537	544	544	542	537	537	536	539	538	539	536	537	537	542	544
20	378	387	397	409	409	408	400	401	399	401	400	397	390	397	400	401	399	401	400
25	265	273	281	290	289	286	282	285	288	289	286	279	270	279	286	289	288	285	282
30	187	191	195	200	199	198	197	199	199	198	196	191	186	191	196	198	199	199	197
35	137	139	141	144	143	142	143	144	145	146	144	138	135	138	144	146	145	144	143
40	103	103	103	105	104	105	107	108	108	110	107	103	100	103	107	110	108	108	107
45	76.3	75.7	73.8	74.6	74.9	76.8	79.2	80.2	80.1	80.9	78.4	75.7	73.8	75.7	78.4	80.9	80.1	80.2	79.2
50	55.5	54.3	51.7	51.4	52.1	54.7	57.2	58.2	57.5	57.1	55.5	54.5	53.2	54.5	55.5	57.1	57.5	58.2	57.2
55	39.4	38.0	35.4	34.8	35.4	37.9	40.5	41.2	39.8	39.0	38.2	38.2	37.5	38.2	38.2	39.0	39.8	41.2	40.5
60	27.3	26.1	24.1	23.6	24.0	25.9	28.1	28.5	27.1	26.4	25.9	26.3	26.0	26.3	25.9	26.4	27.1	28.5	28.1
65	17.4	16.7	15.4	15.2	15.4	16.7	18.1	18.4	17.5	17.1	16.7	17.1	16.9	17.1	16.7	17.1	17.5	18.4	18.1
70	9.66	9.25	8.52	8.46	8.61	9.40	10.3	10.5	9.90	9.69	9.45	9.70	9.67	9.70	9.45	9.69	9.90	10.5	10.3
75	4.60	4.54	4.32	4.39	4.46	4.76	5.13	5.21	4.96	4.94	4.75	4.82	4.82	4.82	4.75	4.94	4.96	5.21	5.13
80	2.33	2.37	2.36	2.44	2.46	2.53	2.56	2.61	2.67	2.76	2.67	2.62	2.58	2.62	2.67	2.76	2.67	2.61	2.56
85	1.12	1.21	1.24	1.32	1.38	1.45	1.47	1.51	1.55	1.58	1.49	1.46	1.37	1.46	1.49	1.58	1.55	1.51	1.47
90	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X40
 4000K / 40D / 6W / 550LM

Spatial Color Distribution Report

NAME: AGL-560-30X40	TYPE: MR16 GLOBE	WEIGHT: 100G
DIM.: 50MM	SPEC.: AGL-560-30X40	SERIAL No.:
MFR.: AQUALUX		



Color Parameters:

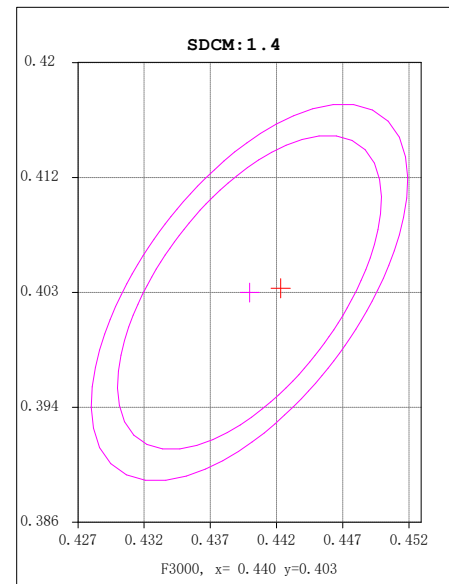
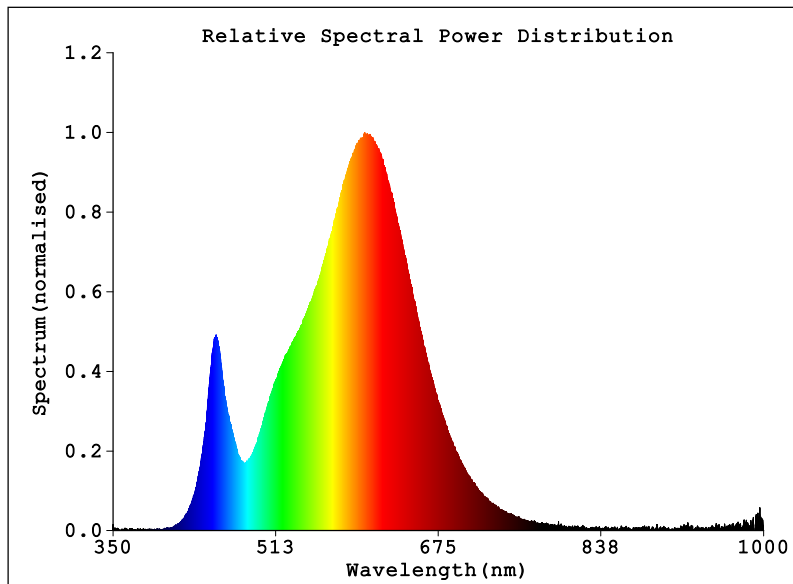
Average: x=0.4412,y=0.4030 u'=0.2538,v'=0.5216 CCT=2920K Ra=81.2 Rf=83 Rg=96
Center : x=0.4423,y=0.4033 u'=0.2544,v'=0.5219 CCT=2905K Ra=81.1 Rf=83 Rg=96
IESNA LM-79-2019 Max. du'v': 0.0014 / max.du'v': 0.0000[Set Range]
GB/T 24824(LB/T 001-2009):: avg. color nonuniformity du'v':0.0006
GB/T 24824(LB/T 001-2009):: max. color nonuniformity du'v':0.0013
Average: R1=79 R2=90 R3=96 R4=78 R5=79 R6=88 R7=82 R8=57 R9=3 R10=78
R11=76 R12=69 R13=82 R14=99 R15=72

Tester: NICK
Temperature: 20°C
Manufacturer: AQUALUX
System: GO-SPEX500_V1

Date: 16 October 2023
Humidity: 65.0%
Remarks: AGL-560-30X404000K / 40D / 6W / 550LM

Spectral Radiant Test Report

NAME: AGL-560-30X40	TYPE: MR16 GLOBE	WEIGHT: 100G
DIM.: 50MM	SPEC.: AGL-560-30X40	SERIAL No.:
MFR.: AQUALUX		



Photon & Colormetric & Photometric Quantities:

PPFD=1.0623umol/m2/s Ee, PAR=0.21961W/m2 K_PPFD, E=0.014292 K_PAR, E=0.0029546
 Chromaticity Coordinates: x=0.4423 y=0.4033/u'=0.2544 v'=0.5219 duv=-0.00100
 Tc=2905K Dominant WL: Ld=583.6nm Purity=53.8%
 Ratio: R=23.4% G=74.3% B=2.4% Peak WL: Lp=601.4nm HWL: 122.1nm
 Rendering Index: Ra=81.1 TM-30: Rf=83 Rg=96 CQS: Qa=81.92 TLCI = 66
 R1 =79 R2 =90 R3 =96 R4 =78 R5 =79 R6 =88 R7 =82
 R8 =57 R9 =4 R10=77 R11=76 R12=70 R13=82 R14=99 R15=72
 E = 74.32 lx Ee = 0.2291 W/m2

Status: T=720.00ms Ip=48797 (74%) [HAAS-1200(CAN)]

Electrical: U=23.802V I=0.22233A P=5.2919W PF=1.0000

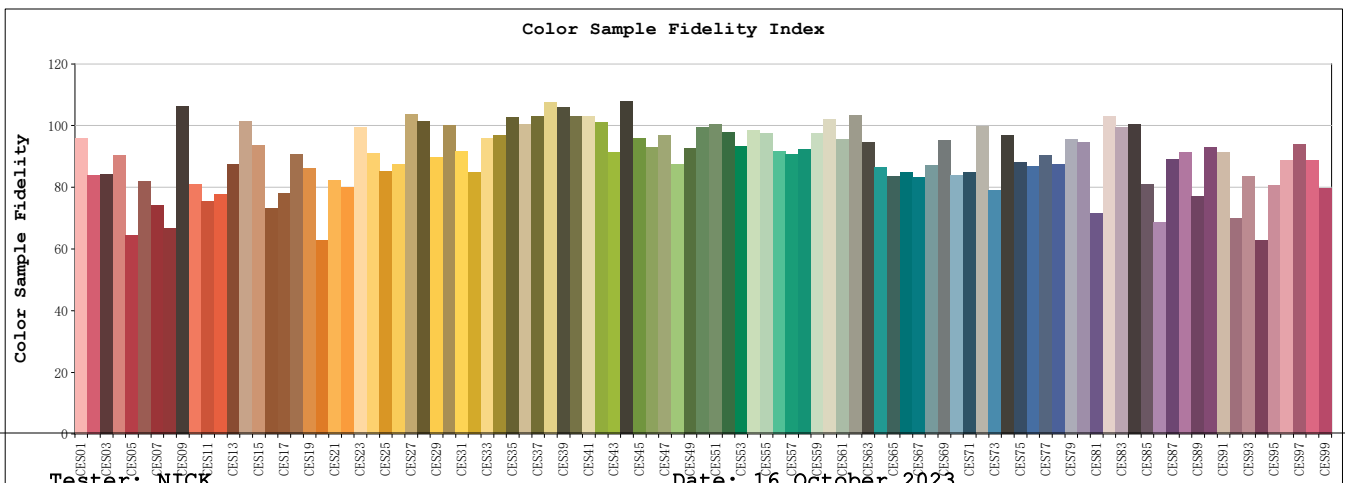
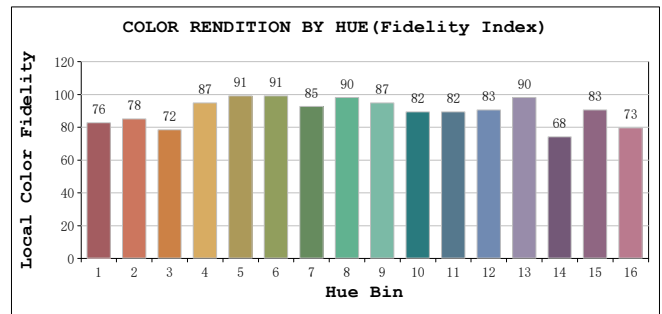
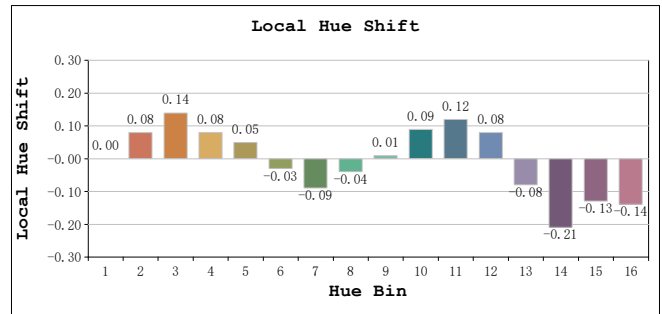
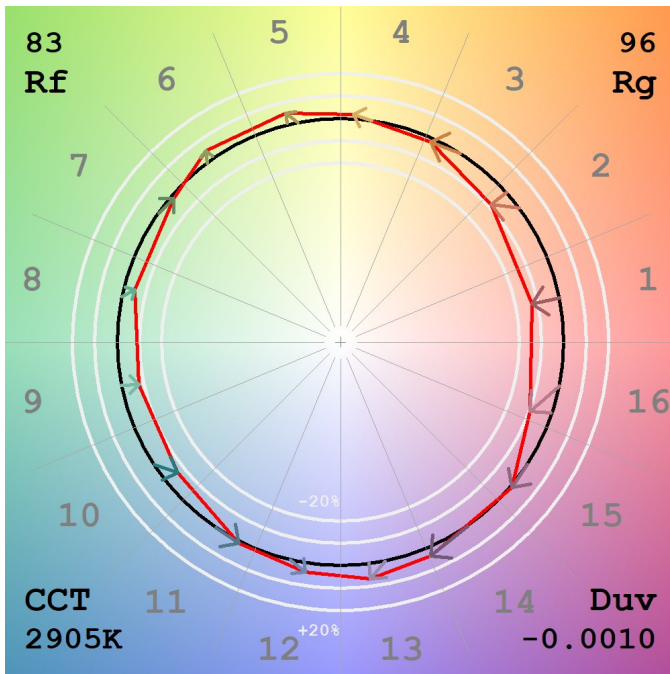
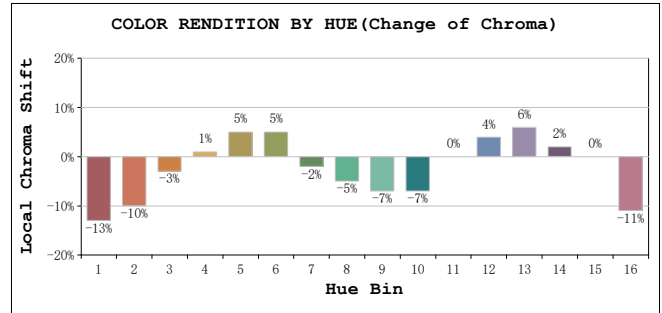
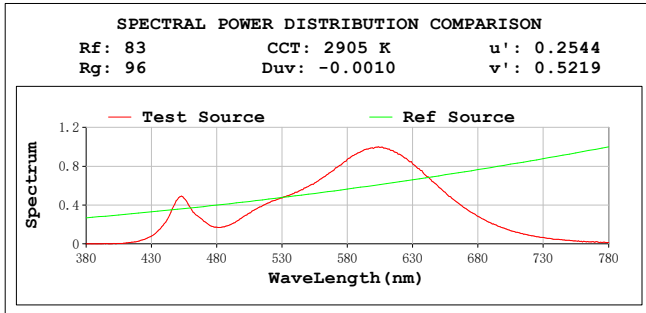
Test position: Center

Tester: NICK
 Temperature: 20°C
 Manufacturer: AQUALUX

Date: 16 October 2023
 Humidity: 65.0%
 Remarks: AGL-560-30X404000K / 40D / 6W / 550LM

System: GO-SPEX500_V1

TM30



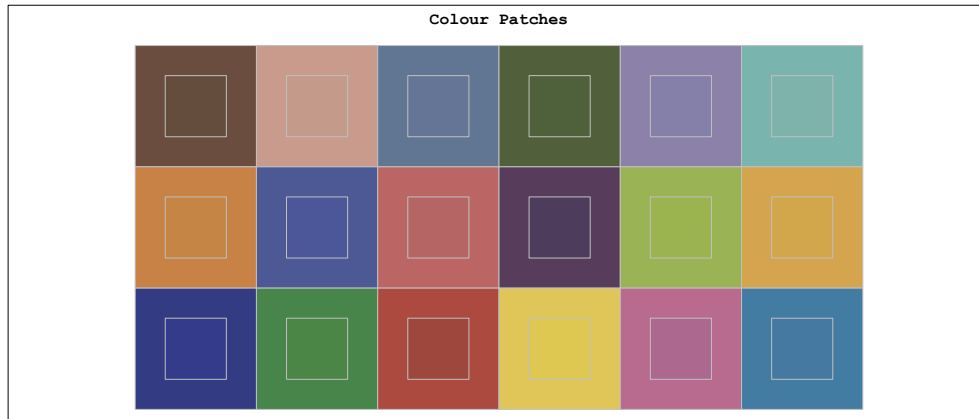
All Rf:

Rf1 = 88.0	Rf2 = 77.0	Rf3 = 77.4
Rf4 = 83.0	Rf5 = 59.0	Rf6 = 75.2
Rf7 = 68.1	Rf8 = 61.1	Rf9 = 97.4
Rf10 = 74.3	Rf11 = 69.3	Rf12 = 71.2
Rf13 = 80.1	Rf14 = 93.1	Rf15 = 85.8
Rf16 = 67.1	Rf17 = 71.7	Rf18 = 83.1
Rf19 = 79.2	Rf20 = 57.8	Rf21 = 75.5
Rf22 = 73.5	Rf23 = 91.3	Rf24 = 83.6
Rf25 = 78.1	Rf26 = 80.2	Rf27 = 94.9
Rf28 = 93.1	Rf29 = 82.4	Rf30 = 91.8
Rf31 = 84.0	Rf32 = 77.7	Rf33 = 87.9
Rf34 = 88.7	Rf35 = 94.3	Rf36 = 92.1
Rf37 = 94.3	Rf38 = 98.5	Rf39 = 97.2
Rf40 = 94.4	Rf41 = 94.6	Rf42 = 92.8
Rf43 = 83.9	Rf44 = 99.1	Rf45 = 88.1
Rf46 = 85.2	Rf47 = 88.8	Rf48 = 80.1
Rf49 = 84.9	Rf50 = 91.3	Rf51 = 92.2
Rf52 = 89.7	Rf53 = 85.4	Rf54 = 90.4
Rf55 = 89.4	Rf56 = 84.0	Rf57 = 83.3
Rf58 = 84.7	Rf59 = 89.5	Rf60 = 93.7
Rf61 = 87.7	Rf62 = 94.9	Rf63 = 86.7
Rf64 = 79.4	Rf65 = 76.8	Rf66 = 77.8
Rf67 = 76.5	Rf68 = 79.9	Rf69 = 87.4
Rf70 = 77.0	Rf71 = 77.8	Rf72 = 91.5
Rf73 = 72.5	Rf74 = 88.7	Rf75 = 80.7
Rf76 = 79.7	Rf77 = 83.0	Rf78 = 80.3
Rf79 = 87.7	Rf80 = 86.8	Rf81 = 65.7
Rf82 = 94.4	Rf83 = 91.3	Rf84 = 92.1
Rf85 = 74.2	Rf86 = 63.0	Rf87 = 81.7
Rf88 = 83.7	Rf89 = 70.6	Rf90 = 85.3
Rf91 = 83.8	Rf92 = 64.1	Rf93 = 76.8
Rf94 = 57.6	Rf95 = 73.9	Rf96 = 81.4
Rf97 = 86.2	Rf98 = 81.5	Rf99 = 73.0

Tester: NICK
Temperature: 20°C
Manufacturer: AQUALUX

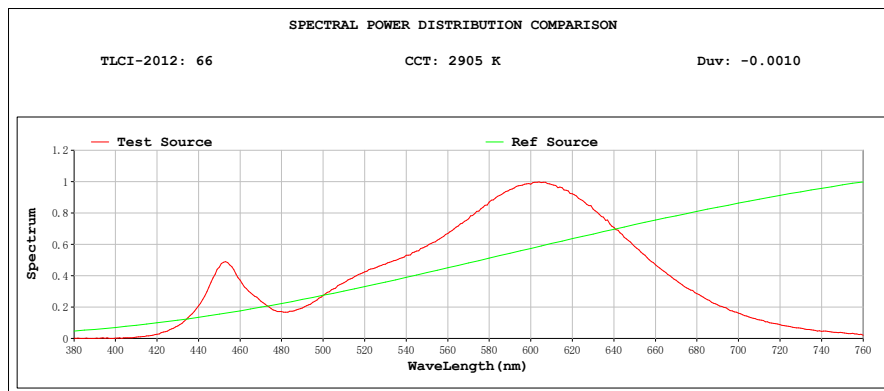
Date: 16 October 2023
Humidity: 65.0%
Remarks: AGL-560-30X404000K / 40D / 6W / 550LM

System: GO-SPEX500_V1



Colourist's Advice Report

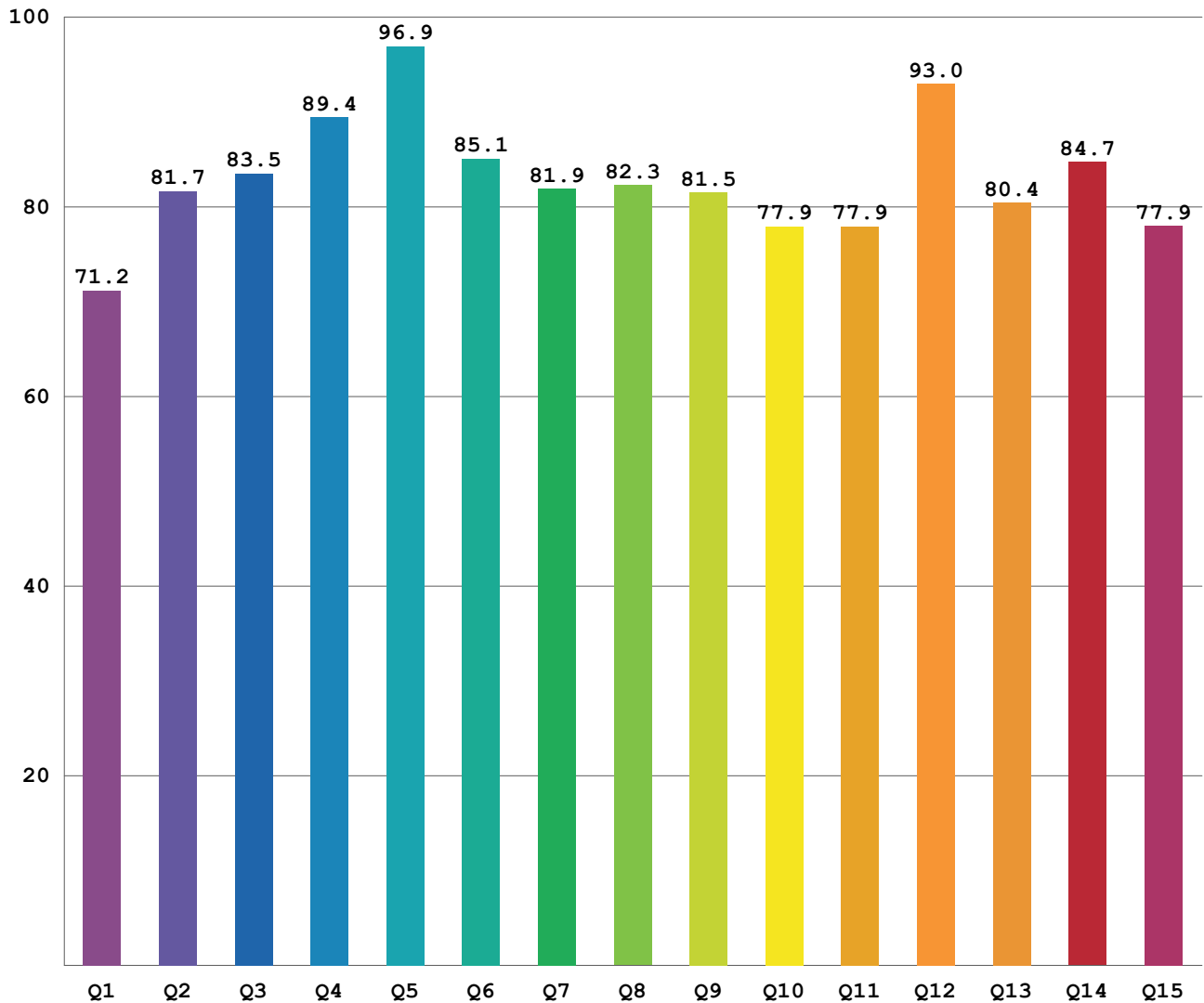
Sector	Lightness	Chroma	Hue
R	-4	-2	-1
R/Y	-1	-1	3
Y	1	1	3
Y/G	0	1	0
G	1	0	-2
G/C	0	0	-2
C	-1	-1	-2
C/B	-2	0	3
B	0	2	2
B/M	-2	1	-5
M	-3	0	-5
M/R	-4	-1	-5



Tester: NICK
 Temperature: 20°C
 Manufacturer: AQUALUX
 System: GO-SPEX500_V1

Date: 16 October 2023
 Humidity: 65.0%
 Remarks: AGL-560-30X404000K / 40D / 6W / 550LM

CQS: 80.9



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
71.2	81.7	83.5	89.4	96.9	85.1	81.9	82.3	81.5	77.9	77.9	93.0	80.4	84.7	77.9

Tester: NICK
 Temperature: 20°C
 Manufacturer: AQUALUX
 System: GO-SPEX500_V1

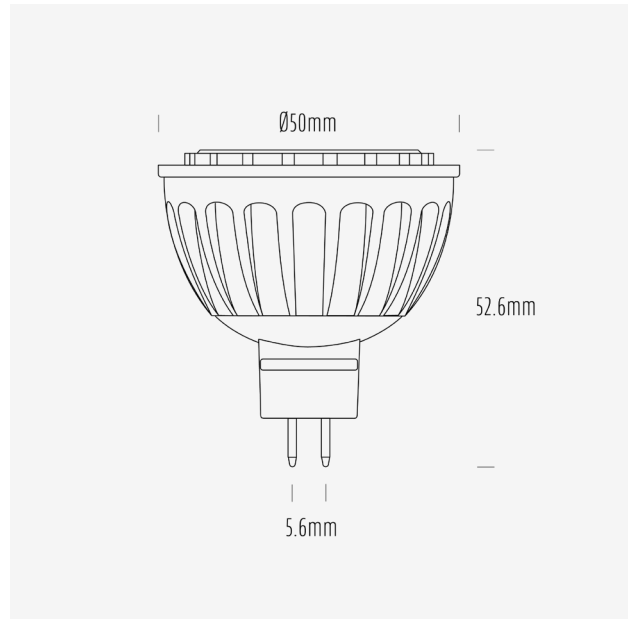
Date: 16 October 2023
 Humidity: 65.0%
 Remarks: AGL-560-30X404000K / 40D / 6W / 550LM

AGL 560 Series

MR16 LED Globes



AGL-560-30X120 / 3000K / MR16 / 120°



Product Data

Product Code	AGL-560-30X120			
Description	Aqualux 560 Series LED Lamp			
Type	MR16 GU5.6			
Construction	Aluminium Heatsink + PMMA Optic			
Warranty	3 Years			

Electrical Data

Input Voltage Range	12~24V AC/DC			
Nominal Voltage	24VDC			
Nominal Power	6W			
Nominal Current	250mA			
Input Voltage	12VDC	12VAC	24VDC	24VAC
Rated Power	6.2	4.0	5.9	6.0
Operating Frequency	-	50Hz	-	50Hz
Max. no. of lamps on AQD24-040	5	-	5	-
Max. no. of lamps on AQD24-100	17	-	17	-
Max. no. of lamps on AQD24-240	-	-	-	-

Dimming Compatibility	Non dimming
Wiring Scheme	Parallel
Startup Time	< 0.5s

Mechanical & Thermal Data

Overall Length	52.6mm
Max Diameter	50mm
Lamp Base	GU5.6
Weight	55g
Operating Temp Range	-20° - 45°
IP Rating	IP20

Photometric Data

Nominal Flux (lm)	560			
Input Voltage	12VDC	12VAC	24VDC	24VAC
Input Power (W)	6.2	4.0	5.9	6.0
Rated Flux (lm)	697	450	710	703
Efficacy (lm/W)	112	114	121	117
CCT	3000K			
CCT Description	Warm White			
CRI (Ra)	81			
CRI (R9)	0			
TM-30 (Rf)	83			
TM-30 (Rg)	96			
SDCM	-			
Peak Intensity (cd)	186			
Nominal Beam Angle	120°			
Measured Beam Angle (FWHM)	116°			

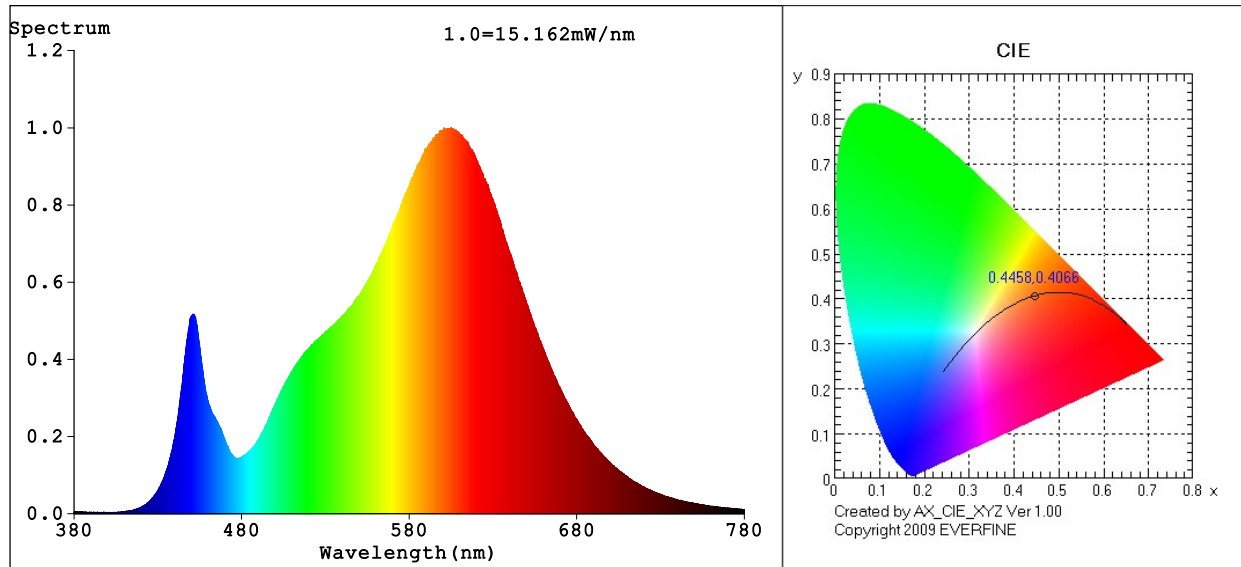
Lifespan Data

L70	15,000h
Switching Cycles	15,000

Compliance Data

EMI	Yes
RCM	N/A
Mercury Content	0mg

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4458$ $y=0.4066$ / $u'=0.2552$ $v'=0.5237$
 CCT=2877K (Duv=-0.0001) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=55.9%
 Ratio:R=23.6% G=74.2% B=2.3%; Peak WL:Lp=605.1nm FWHM=116.2nm
 Render Index:Ra=80.9 AvgR=74.9 TM30:Rf=83 Rg=96

R1 =79 R2 =90 R3 =96 R4 =79 R5 =79 R6 =88 R7 =81
 R8 =54 R9 =0 R10=78 R11=78 R12=70 R13=82 R14=99 R15=71

Photo Parameters:

Flux = 710.0 lm Eff. : 121.29 lm/W Fe = 2.117 W

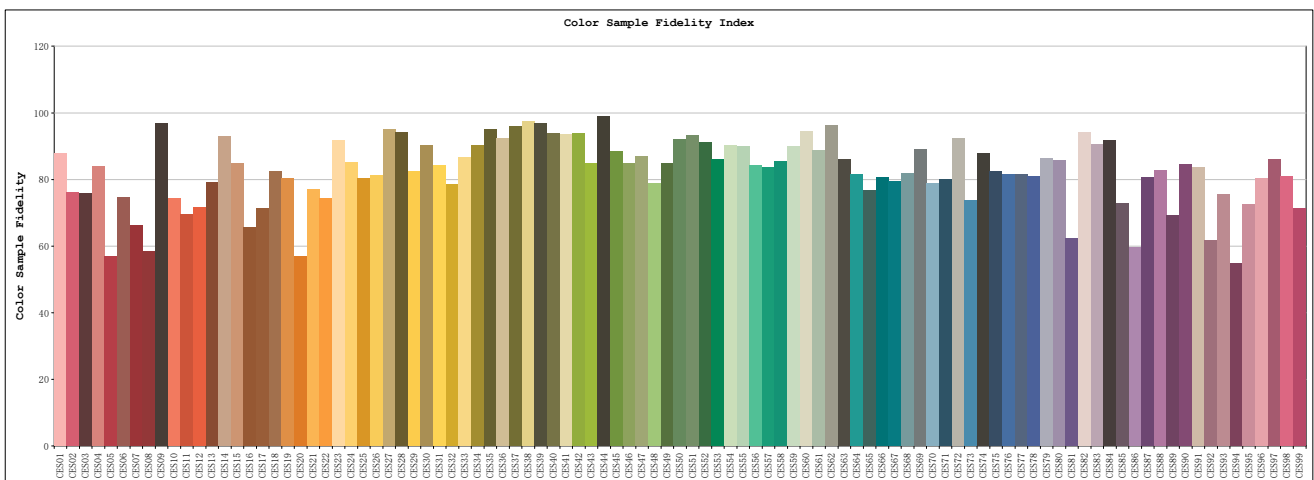
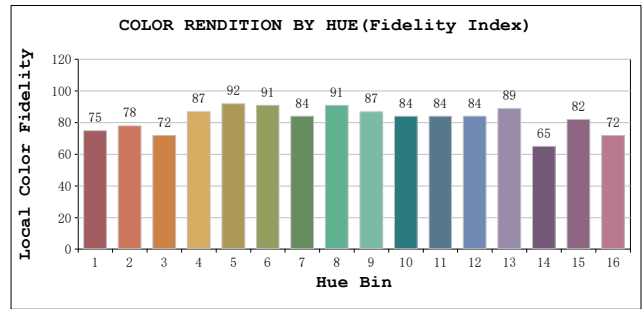
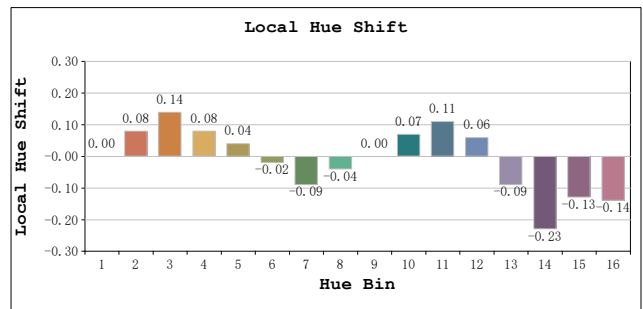
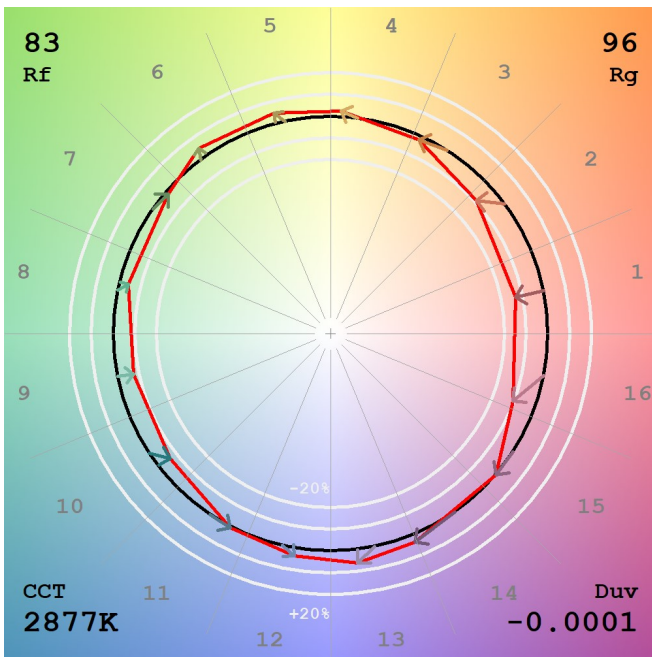
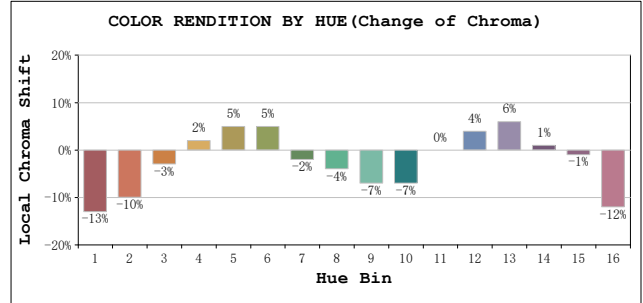
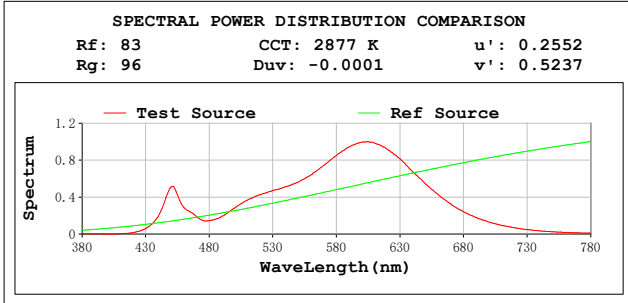
Electrical parameters:

V = 23.982 V I = 0.2441 A P = 5.854 W PF = 1.0000
 LEVEL:OUT WHITE:ANSI_3000K
 Status: Integral T = 140 ms Ip = 37029 (57%)

GBT5702

TM30

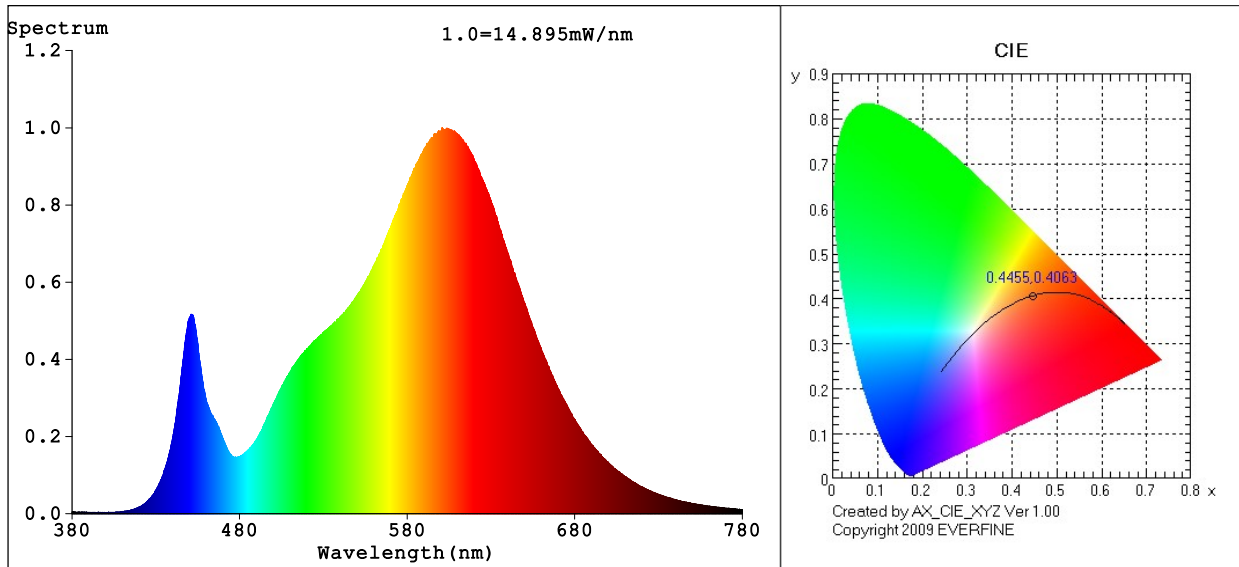
View Angle:2 Deg



Model:AGL-560-30X120
 Tester:NC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AGL-560-30X120 24VDC
 Date:2023-10-17 16:24:35
 Humidity:65.0%
 Remarks:24VDC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4455$ $y=0.4063$ / $u'=0.2551$ $v'=0.5235$
 CCT=2878K (Duv=-0.0002) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=55.7%
 Ratio:R=23.5% G=74.2% B=2.3%; Peak WL:Lp=600.9nm FWHM=116.2nm
 Render Index:Ra=80.9 AvgR=74.9 TM30:Rf=83 Rg=96

R1 =79 R2 =90 R3 =96 R4 =79 R5 =79 R6 =88 R7 =81
 R8 =55 R9 =0 R10=78 R11=78 R12=70 R13=82 R14=98 R15=71

Photo Parameters:

Flux = 696.8 lm Eff. : 112.11 lm/W Fe = 2.079 W

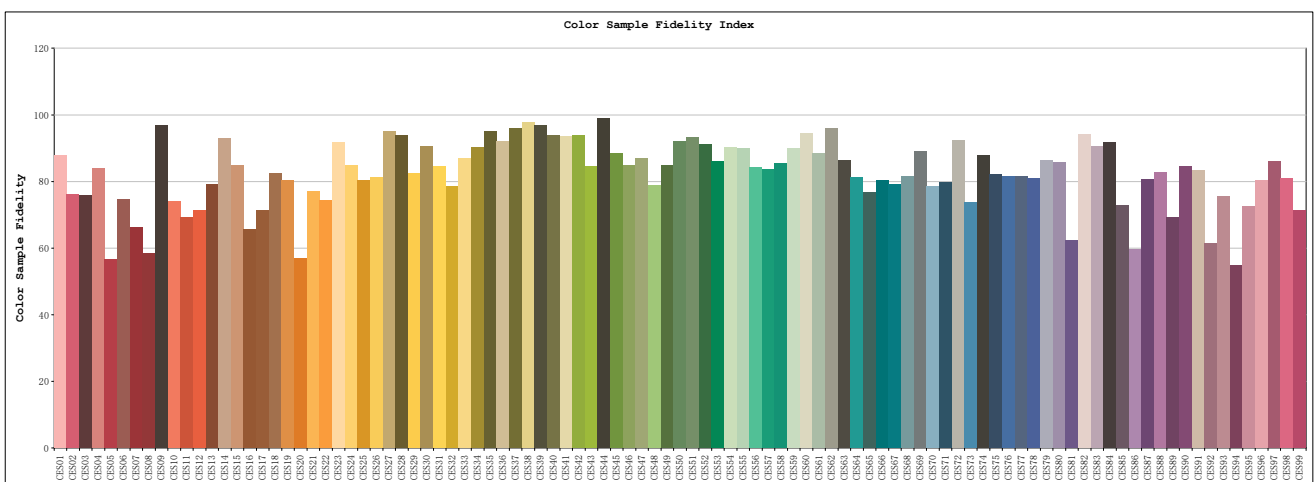
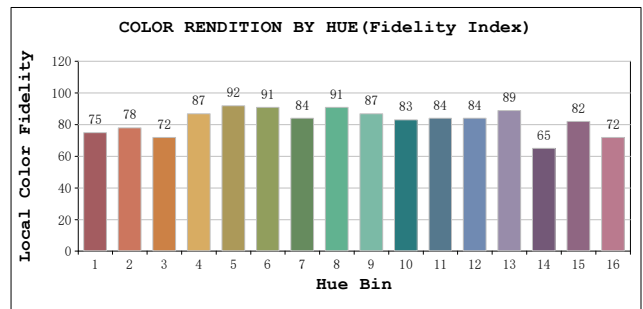
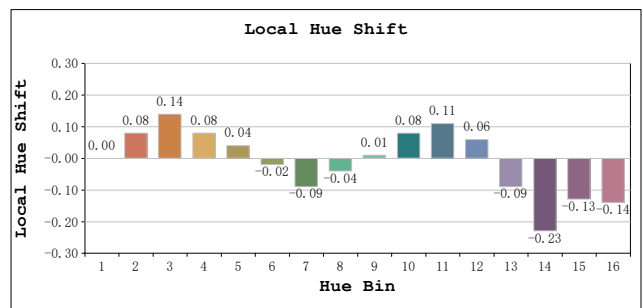
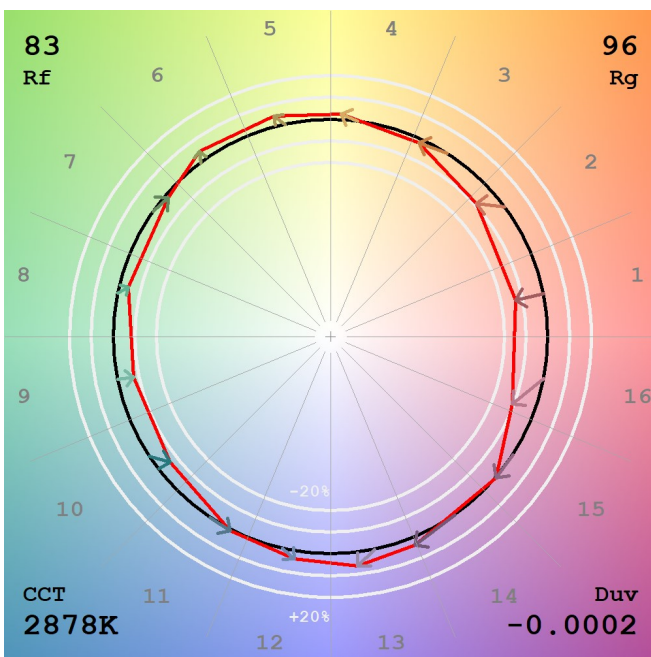
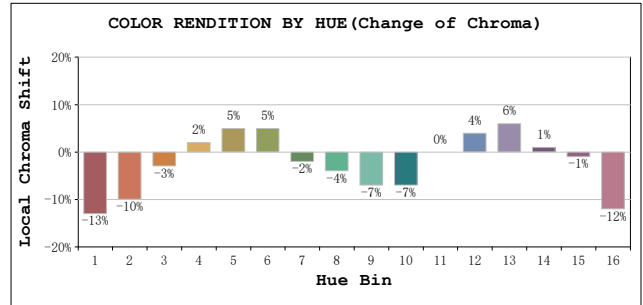
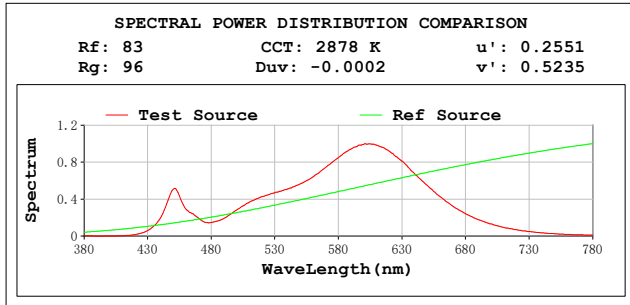
Electrical parameters:

V = 11.958 V I = 0.5198 A P = 6.215 W PF = 1.0000
 LEVEL:OUT WHITE:ANSI_3000K
 Status: Integral T = 140 ms Ip = 36413 (56%)

GBT5702

TM30

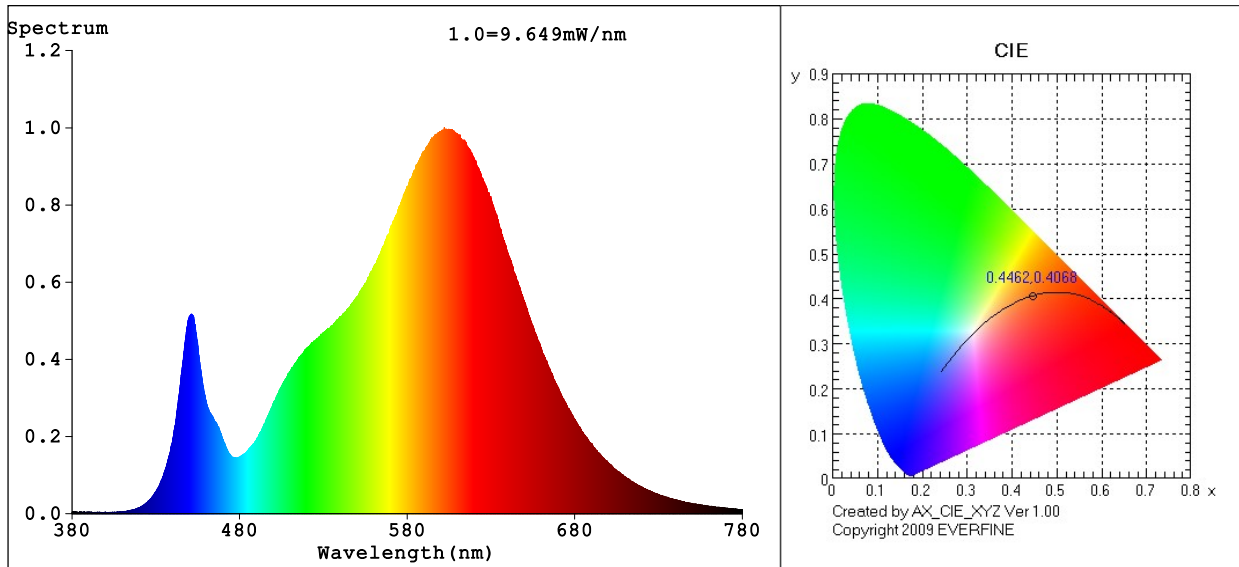
View Angle: 2 Deg



Model:AGL-560-30X120
 Tester:NC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AGL-560-30X120 12VDC
 Date:2023-10-17 16:25:19
 Humidity:65.0%
 Remarks:12VDC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4462$ $y=0.4068$ / $u'=0.2553$ $v'=0.5238$
 CCT=2872K (Duv=-0.0001) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=56.0%
 Ratio:R=23.6% G=74.1% B=2.3%; Peak WL:Lp=602.2nm FWHM=116.4nm
 Render Index:Ra=81.1 AvgR=75.2 TM30:Rf=83 Rg=96

R1 =79 R2 =90 R3 =96 R4 =79 R5 =80 R6 =89 R7 =81
 R8 =55 R9 =0 R10=78 R11=79 R12=70 R13=82 R14=98 R15=71

Photo Parameters:

Flux = 450.2 lm Eff. : 113.94 lm/W Fe = 1.343 W

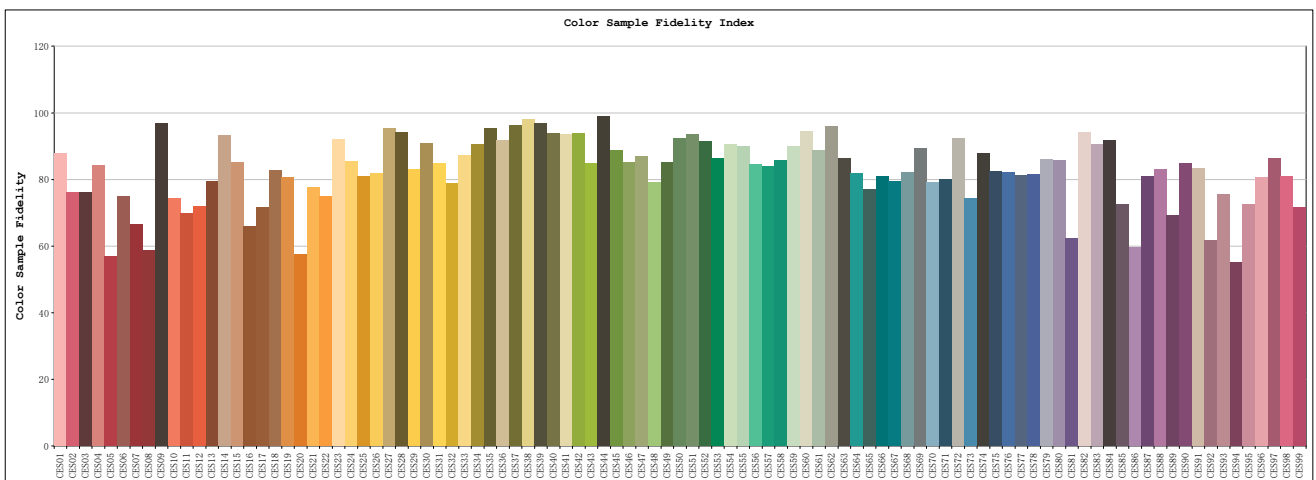
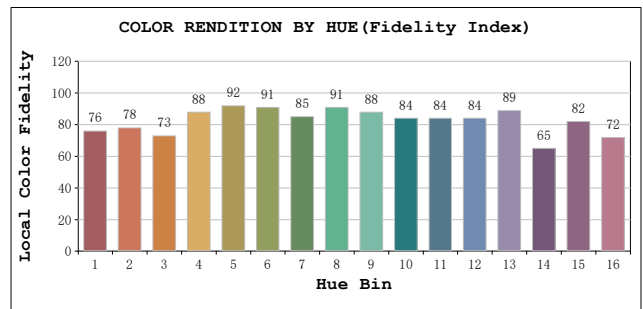
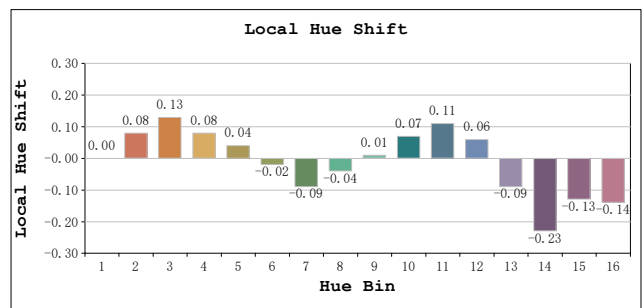
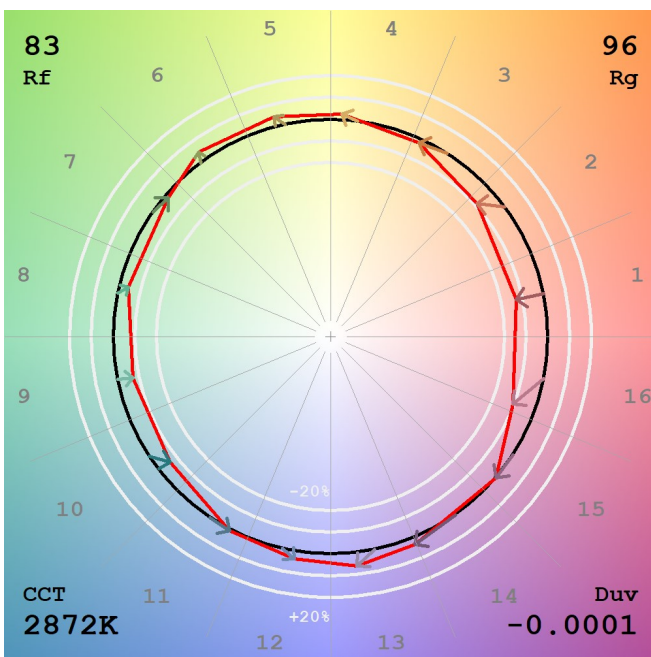
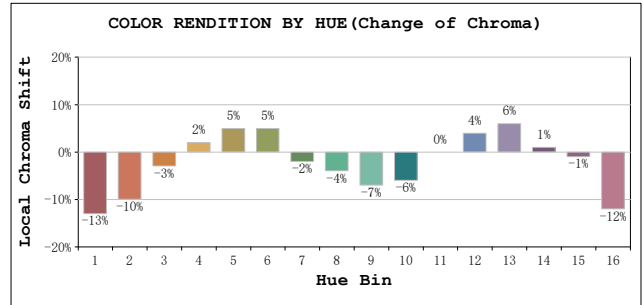
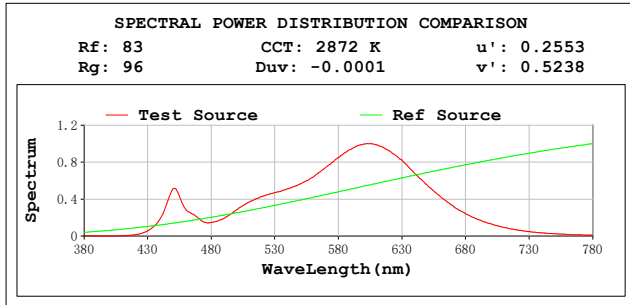
Electrical parameters:

V = 11.979 V I = 0.4221 A P = 3.951 W PF = 0.7815
 LEVEL:OUT WHITE:ANSI_3000K
 Status: Integral T = 303 ms Ip = 50942 (78%)

GBT5702

TM30

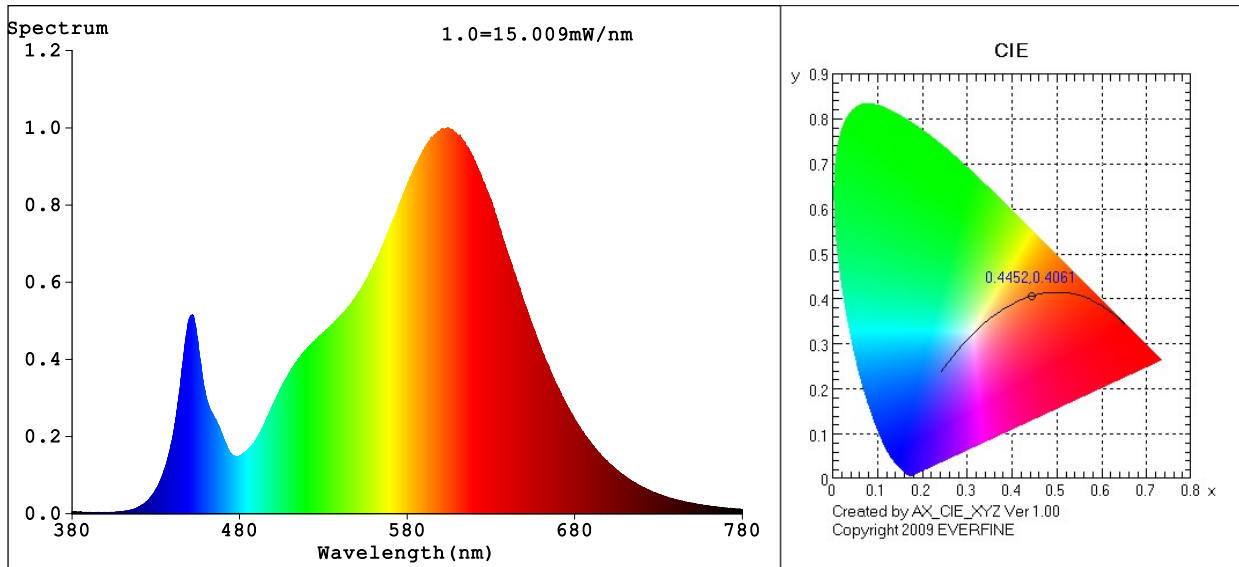
View Angle: 2 Deg



Model:AGL-560-30X120
 Tester:NC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AGL-560-30X120 12VAC
 Date:2023-10-17 16:26:04
 Humidity:65.0%
 Remarks:12VAC

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4452$ $y=0.4061$ / $u'=0.2550$ $v'=0.5234$
 CCT=2883K (Duv=-0.0002) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=55.5%
 Ratio:R=23.5% G=74.2% B=2.3%; Peak WL:Lp=604.1nm FWHM=116.2nm
 Render Index:Ra=80.8 AvgR=74.9 TM30:Rf=83 Rg=96

R1 =79 R2 =90 R3 =96 R4 =79 R5 =79 R6 =88 R7 =81
 R8 =54 R9 =0 R10=78 R11=78 R12=70 R13=82 R14=98 R15=71

Photo Parameters:

Flux = 702.6 lm Eff. : 117.40 lm/W Fe = 2.097 W

Electrical parameters:

V = 23.957 V I = 0.3847 A P = 5.985 W PF = 0.6493

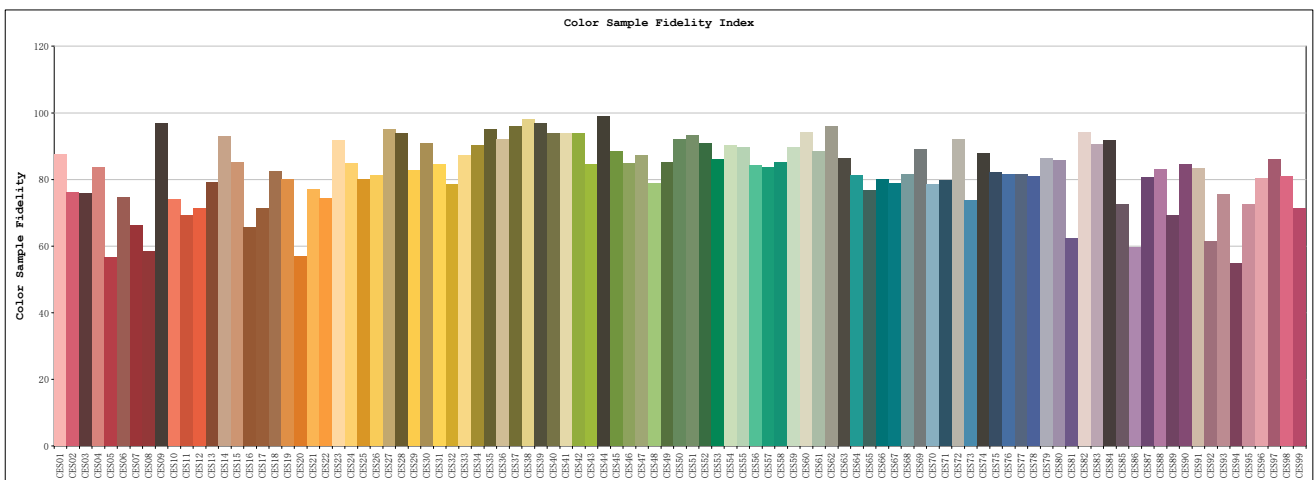
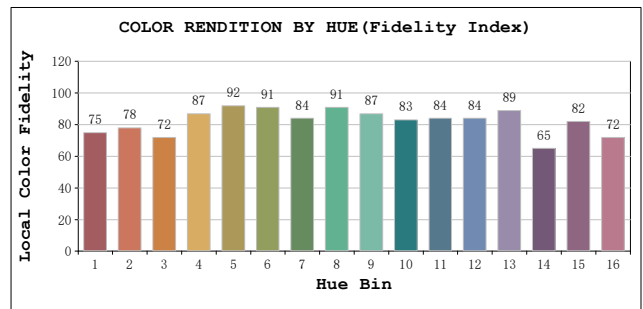
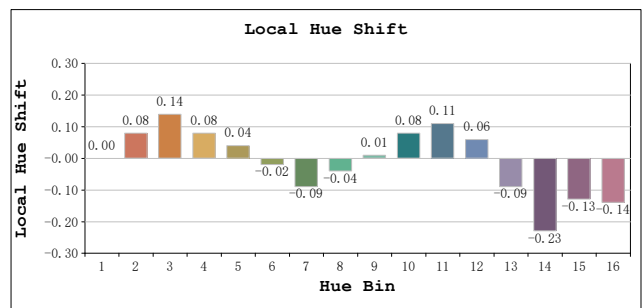
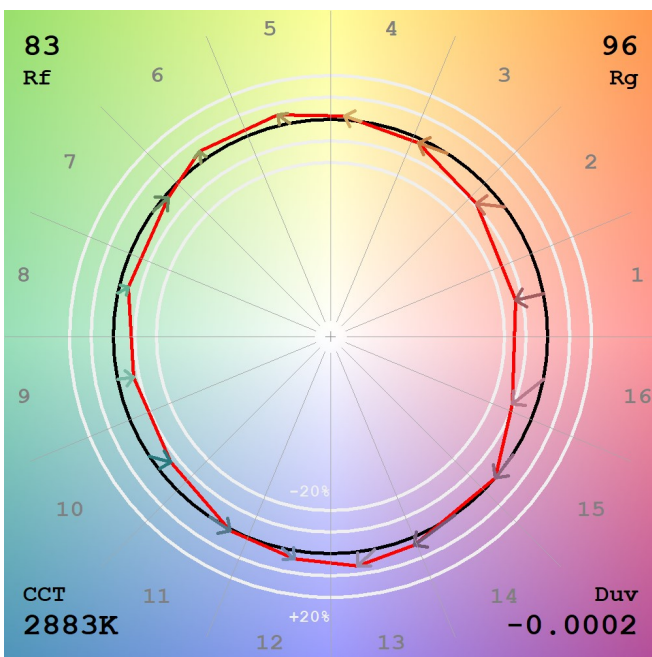
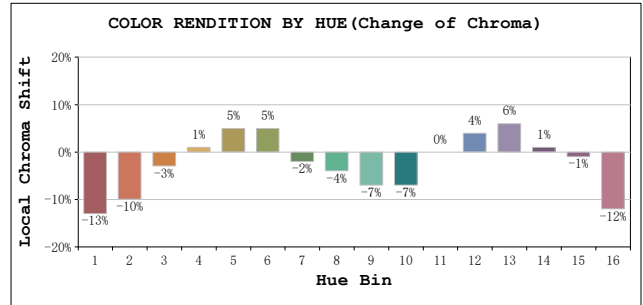
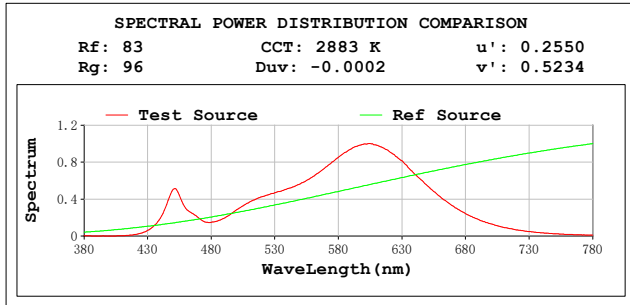
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 151 ms Ip = 39536 (60%)

GBT5702

TM30

View Angle: 2 Deg



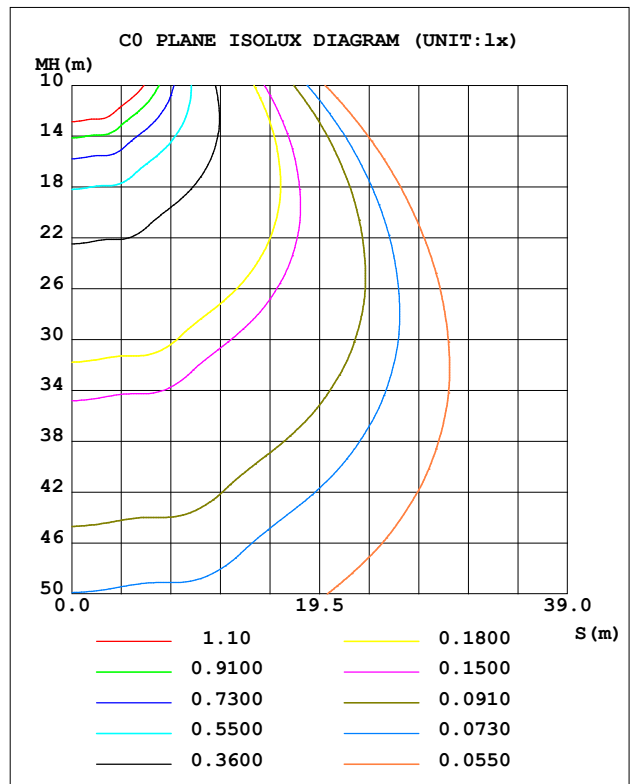
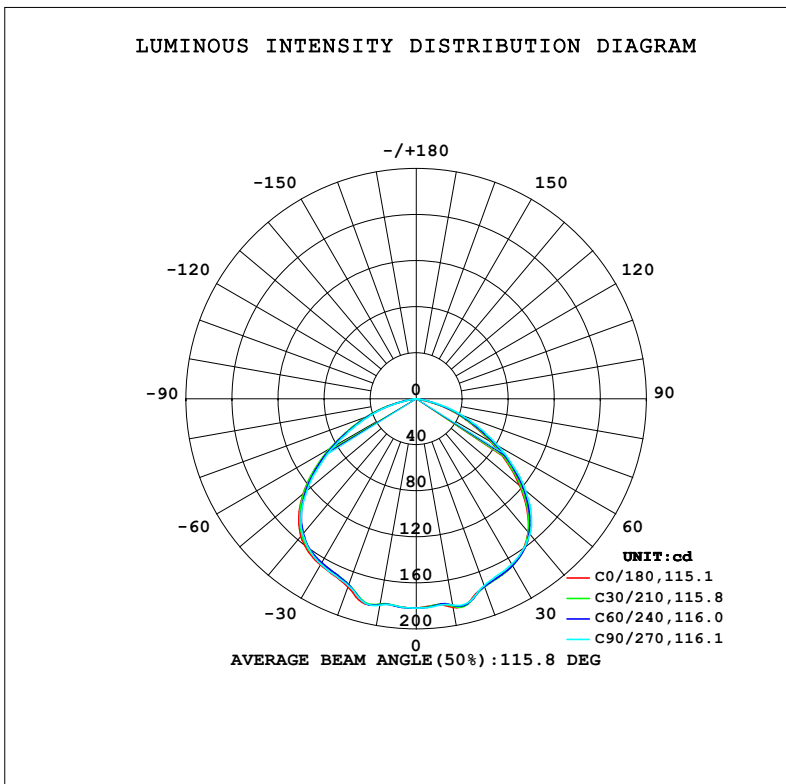
Model:AGL-560-30X120
 Tester:NC
 Temperature:25.3Deg
 Manufacturer:AQUALUX

Number:AGL-560-30X120 24VAC
 Date:2023-10-17 16:26:37
 Humidity:65.0%
 Remarks:24VAC

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.784V I:0.2298A P:5.4656W PF:1.0000 Freq:0Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:534.303x1 lm		
NAME: AGL-560-30X120	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X120	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			Eff: 97.76 lm/W
MODEL	AGL-560-30X120	I _{max} (cd)	185.5	S/MH (C0/180)	1.38
NOMINAL POWER (W)	6	LOR (%)	100.0	S/MH (C90/270)	1.37
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	534.30	η UP, DN (C0-180)	0.0, 49.9
NOMINAL FLUX (lm)	534.303	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24	η down (%)	100.0	CIBSE SHR MAX	1.55



C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operators: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-30X120

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	∅ zone	∅ total	%lum, lamp
10	184.2	182.2	181.9	181.4	181.4	181.4	181.9	182.2	0- 10	17.26	17.26	3.23,3.23
20	173.4	173.8	172.7	171.5	174.0	171.5	172.7	173.8	10- 20	50.91	68.17	12.8,12.8
30	167.1	167.4	166.0	164.2	166.6	164.2	166.0	167.4	20- 30	78.21	146.4	27.4,27.4
40	151.3	151.7	153.6	153.5	156.1	153.5	153.6	151.7	30- 40	100.8	247.2	46.3,46.3
50	117.3	119.8	124.0	127.5	128.1	127.5	124.0	119.8	40- 50	107.9	355.1	66.5,66.5
60	74.87	77.91	82.26	87.80	85.94	87.80	82.26	77.91	50- 60	92.32	447.4	83.7,83.7
70	36.83	38.73	42.17	45.63	45.03	45.63	42.17	38.73	60- 70	60.37	507.8	95,95
80	3.180	3.970	5.635	7.192	6.647	7.192	5.635	3.970	70- 80	24.49	532.3	99.6,99.6
90	0.0733	0.0623	0.0595	0.0587	0.0583	0.0587	0.0595	0.0623	80- 90	2.015	534.3	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 301.68 lm

%lum = 56.5%

%lamp = 56.5%

Conical surface Flux(130deg): 481.96 lm

%lum = 90.2%

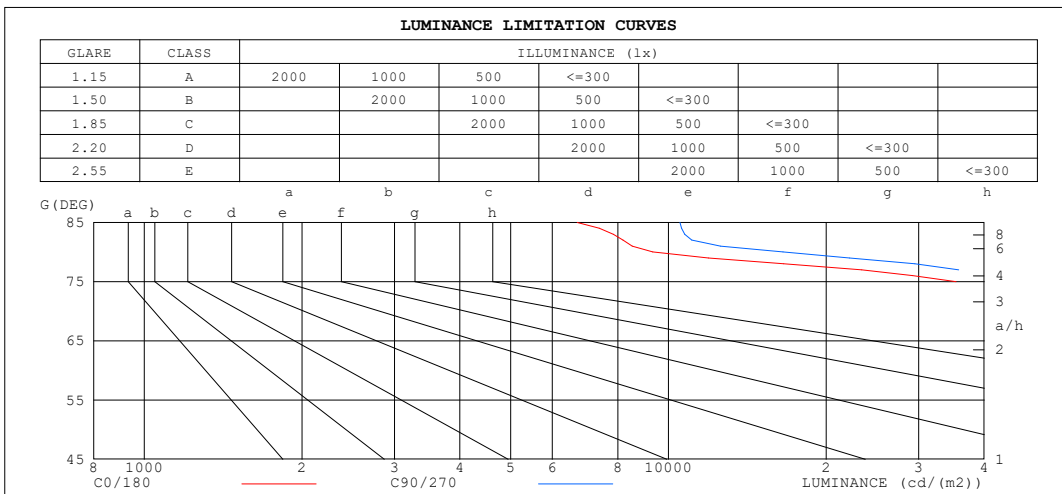
%lamp = 90.2%

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X120

LUMINANCE LIMITATION CURVES

Test:U:23.784V I:0.2298A P:5.4656W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:534.303x1 lm		
NAME: AGL-560-30X120	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X120	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6692	10513
80	9332	16523
75	35361	47265
70	54872	62773
65	65885	73805
60	76310	83770
55	85562	92049
50	93016	98228
45	98070	101751

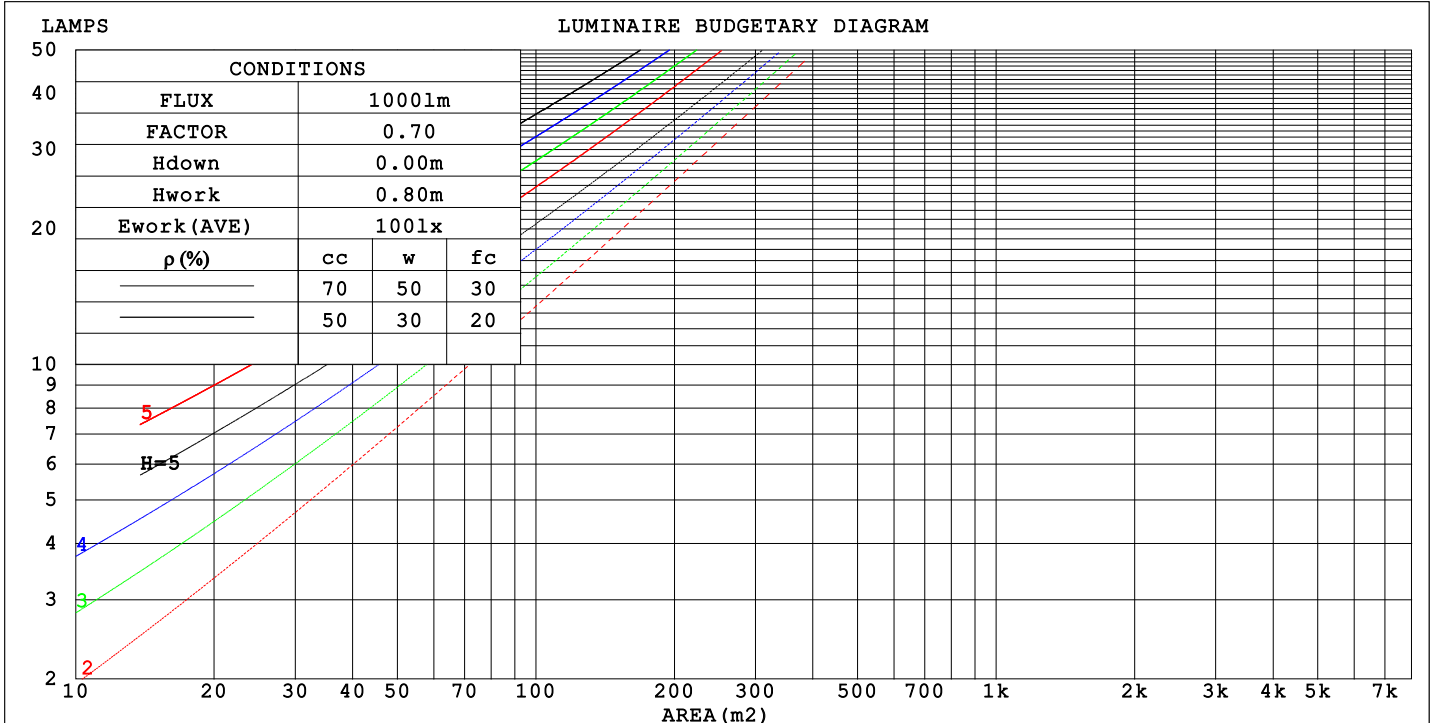
C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operator:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X120

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.784V I:0.2298A P:5.4656W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:534.303x1 lm		
NAME: AGL-560-30X120	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X120	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

ρ cc	80%			70%			50%			30%			10%			0
ρ w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization (CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.05	1.01	.98	1.03	.90	.96	.99	.96	.93	.95	.93	.90	.91	.90	.88	.86
2.0	.92	.86	.80	.90	.85	.79	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.81	.73	.67	.80	.72	.67	.77	.70	.65	.74	.69	.64	.71	.67	.63	.61
4.0	.72	.63	.57	.71	.63	.57	.68	.61	.56	.66	.60	.55	.64	.59	.54	.52
5.0	.64	.55	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45
6.0	.58	.49	.43	.57	.48	.42	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.51	.43	.37	.50	.43	.37	.48	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.33	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.35	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operators: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-30X120

WEC AND CCEC

Test:U:23.784V I:0.2298A P:5.4656W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:534.303x1 lm		
NAME: AGL-560-30X120	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X120	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.282	.160	.051	.275	.157	.050	.262	.150	.048	.249	.144	.046	.238	.138	.045	
2.0	.274	.150	.046	.268	.147	.045	.256	.142	.044	.245	.138	.043	.236	.133	.042	
3.0	.258	.137	.041	.252	.135	.041	.242	.131	.040	.233	.128	.039	.224	.124	.038	
4.0	.241	.125	.037	.236	.124	.037	.227	.120	.036	.219	.117	.035	.211	.114	.035	
5.0	.224	.114	.033	.220	.113	.033	.212	.110	.033	.205	.108	.032	.198	.106	.032	
6.0	.209	.105	.030	.206	.104	.030	.198	.102	.030	.192	.100	.029	.185	.098	.029	
7.0	.196	.097	.027	.192	.096	.027	.186	.094	.027	.180	.092	.027	.174	.091	.027	
8.0	.183	.090	.025	.180	.089	.025	.175	.087	.025	.169	.086	.025	.164	.084	.025	
9.0	.172	.083	.023	.170	.083	.023	.164	.081	.023	.160	.080	.023	.155	.079	.023	
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.153	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.145	.114	.087	.100	.079	.060	.057	.046	.035	.018	.015	.012	
3.0	.162	.114	.076	.139	.099	.066	.095	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.060	.133	.087	.052	.091	.061	.036	.053	.036	.022	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.087	.055	.030	.051	.032	.018	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.035	.084	.050	.024	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.117	.060	.023	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X120

UGR(Unified Glare Rating) Table

Test:U:23.784V I:0.2298A P:5.4656W PF:1.0000 Freq:0Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:534.303x1 lm										
NAME: AGL-560-30X120					TYPE: MR16 GLOBE			WEIGHT: 100G		
SPEC.: AGL-560-30X120					DIM.: 50MM			SERIAL No.:		
MFR.: AQUALUX					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	30.4	31.9	30.7	32.1	32.3	30.8	32.2	31.0	32.4	32.6
3H	31.4	32.7	31.7	33.0	33.2	31.8	33.2	32.1	33.4	33.6
4H	31.6	32.9	31.9	33.1	33.4	32.1	33.4	32.4	33.6	33.9
6H	31.5	32.7	31.8	33.0	33.3	32.1	33.3	32.4	33.6	33.9
8H	31.5	32.6	31.8	32.9	33.2	32.1	33.2	32.4	33.5	33.8
12H	31.4	32.5	31.8	32.8	33.1	32.0	33.1	32.4	33.4	33.7
4H 2H	30.9	32.2	31.2	32.4	32.7	31.2	32.5	31.5	32.7	33.0
3H	32.0	33.1	32.3	33.4	33.7	32.3	33.5	32.7	33.8	34.1
4H	32.2	33.3	32.6	33.6	33.9	32.7	33.7	33.1	34.0	34.4
6H	32.2	33.1	32.6	33.5	33.8	32.7	33.6	33.1	34.0	34.4
8H	32.2	33.0	32.6	33.4	33.8	32.7	33.5	33.1	33.9	34.3
12H	32.1	32.9	32.6	33.3	33.7	32.7	33.4	33.1	33.8	34.2
8H 4H	32.3	33.1	32.7	33.5	33.9	32.7	33.6	33.1	33.9	34.3
6H	32.3	33.0	32.7	33.4	33.8	32.8	33.5	33.2	33.9	34.3
8H	32.3	32.9	32.7	33.3	33.7	32.8	33.4	33.2	33.8	34.3
12H	32.2	32.7	32.7	33.2	33.7	32.7	33.3	33.2	33.7	34.2
12H 4H	32.3	33.0	32.7	33.4	33.8	32.7	33.5	33.1	33.8	34.2
6H	32.3	32.9	32.7	33.3	33.7	32.8	33.4	33.2	33.8	34.2
8H	32.2	32.7	32.7	33.2	33.7	32.7	33.3	33.2	33.7	34.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3				
1.5H	+ 0.3 / - 0.6					+ 0.3 / - 0.5				
2.0H	+ 0.6 / - 0.6					+ 0.6 / - 0.6				

CIE Pub.117, 534.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.2)
 Area: 0.001963 m2

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X120

UTILIZATION FACTORS TABLE

Test:U:23.784V I:0.2298A P:5.4656W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:534.303x1 lm		
NAME: AGL-560-30X120	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X120	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

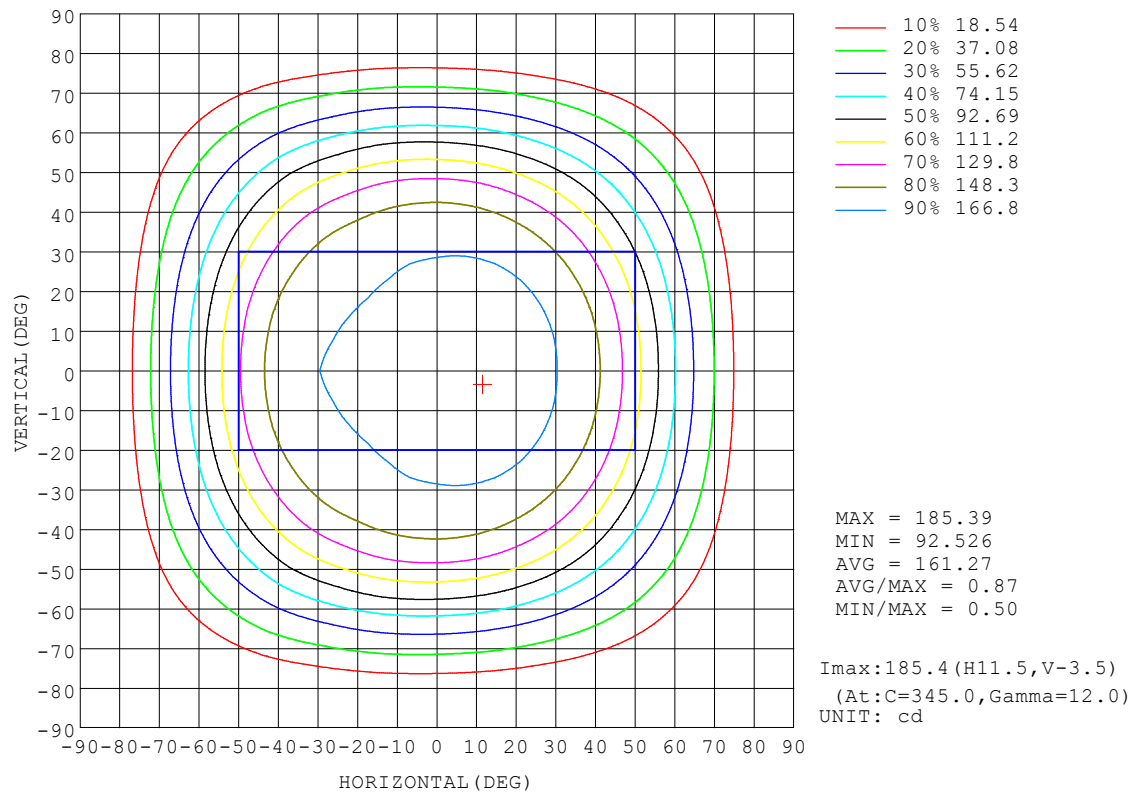
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	40	57	46	39	56	46	39	33
0.80	69	57	50	68	57	50	66	56	49	43
1.00	77	67	60	76	66	59	74	67	59	52
1.25	85	75	68	83	74	67	81	73	67	60
1.50	90	80	74	88	80	73	85	78	72	65
2.00	97	89	83	95	87	82	91	85	80	73
2.50	100	93	87	98	92	87	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	107	102	98	105	100	97	101	97	94	85
5.00	110	105	101	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X120

ISOCANDELA DIAGRAM

Test:U:23.784V I:0.2298A P:5.4656W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:534.303x1 lm		
NAME: AGL-560-30X120	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X120	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:



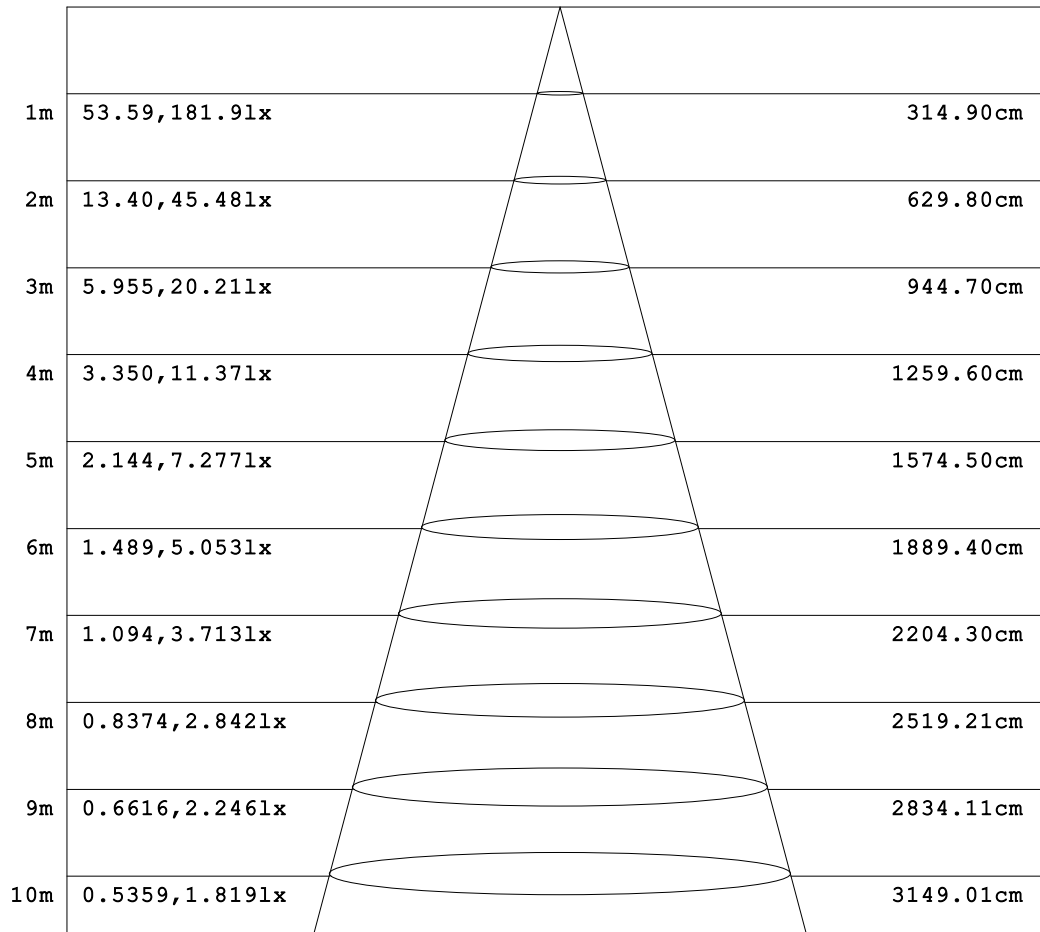
C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X120

AAI Figure

Test:U:23.784V I:0.2298A P:5.4656W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:534.303x1 lm		
NAME: AGL-560-30X120	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X120	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

Flux out:431.2 lm



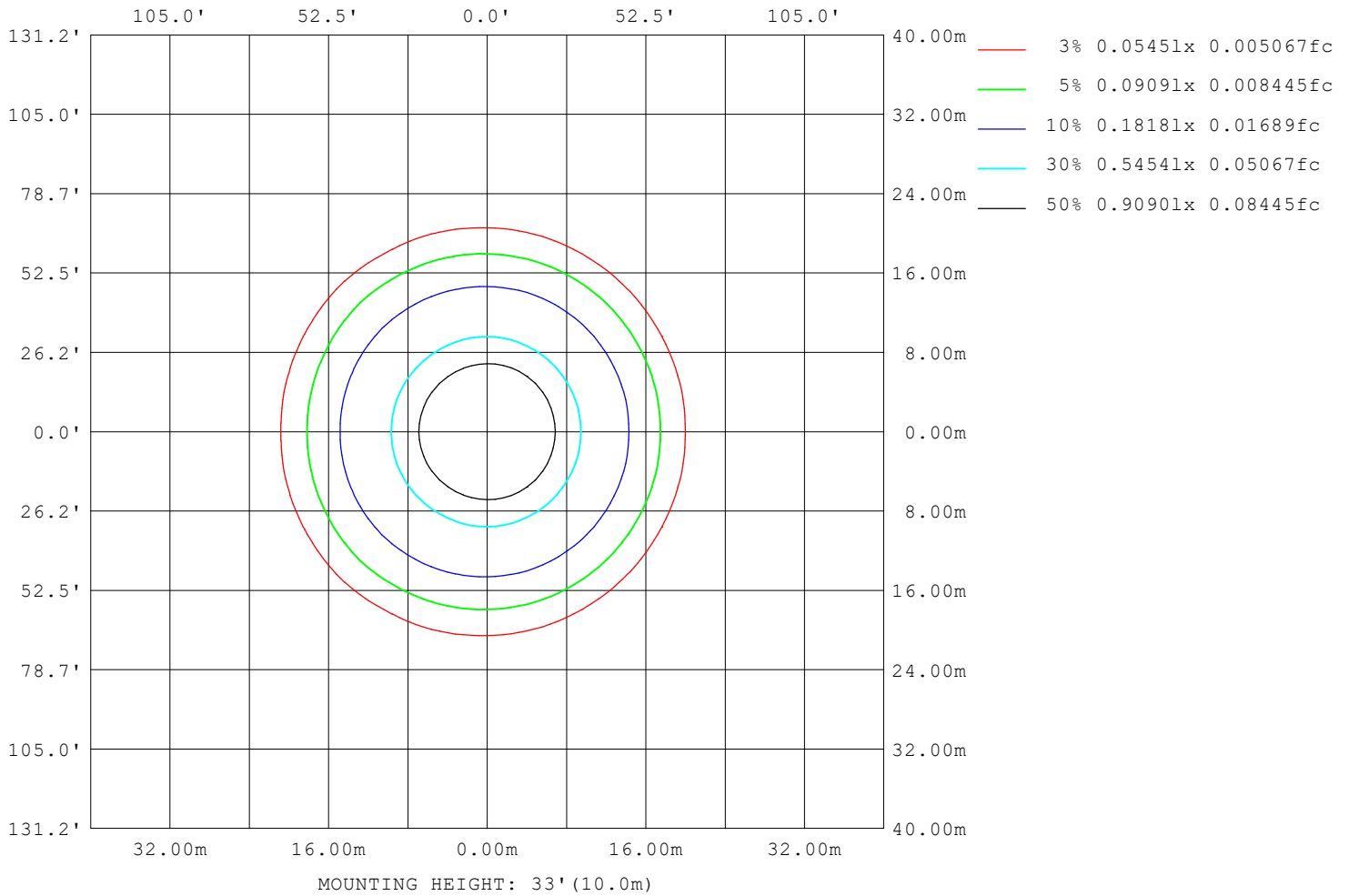
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operators: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-30X120

ISOLUX DIAGRAM

Test:U:23.784V I:0.2298A P:5.4656W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:534.303x1 lm		
NAME: AGL-560-30X120	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X120	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:



C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X120

LED Avg.L Report

Test:U:23.784V I:0.2298A P:5.4656W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:534.303x1 lm		
NAME: AGL-560-30X120	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X120	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

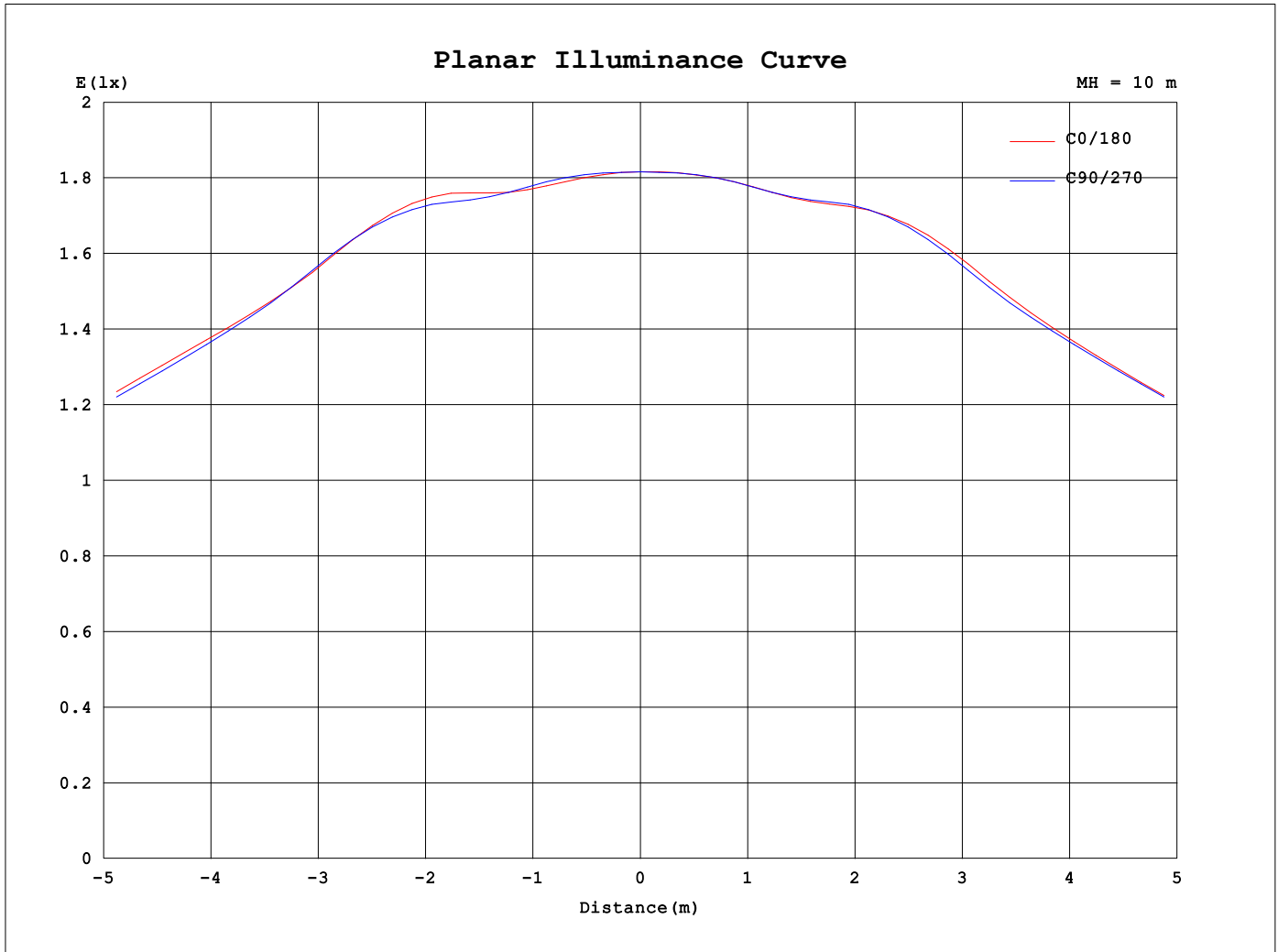
AvgL	cd/m2
L_0~180 (65) av	71769
L_0~180 (75) av	43455
L_0~180 (85) av	8977
L_90~270 (65) av	73841
L_90~270 (75) av	47288
L_90~270 (85) av	10518
L_45 (65) av	73835
L_45 (75) av	46753
L_45 (85) av	10005

Standard: GB/T 29293-2012

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X120

Planar Illuminance Curve



C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 20°C
 Operator: NICK
 Test Date: 16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 3.100m [K=1.0000]
 Remarks: AGL-560-30X120

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.784V I:0.2298A P:5.4656W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:534.303x1 lm		
NAME: AGL-560-30X120	TYPE: MR16 GLOBE	WEIGHT: 100G
SPEC.: AGL-560-30X120	DIM.: 50MM	SERIAL No.:
MFR.: AQUALUX	SUR.:	Shielding Angle:

Table--1

UNIT: cd

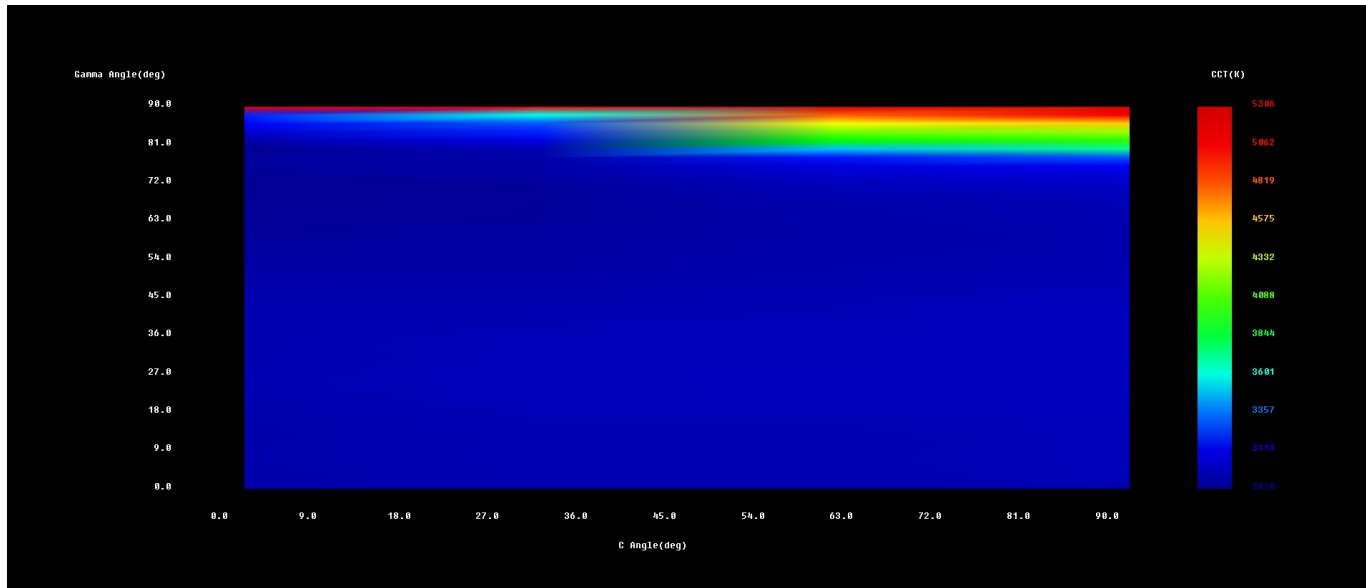
C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182
5	180	180	180	180	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181
10	184	184	183	182	182	182	182	182	182	181	181	181	181	181	181	181	182	182	182
15	182	182	182	182	182	182	182	182	182	182	181	182	183	182	181	182	182	182	182
20	173	174	174	174	174	173	173	172	172	172	172	173	174	173	172	172	172	172	173
25	171	171	171	171	170	170	169	168	167	167	167	168	169	168	167	167	167	168	169
30	167	167	168	167	167	167	166	165	164	164	165	165	167	165	165	164	164	165	166
35	161	161	162	162	162	162	161	161	160	161	161	162	163	162	161	161	160	161	161
40	151	151	151	152	153	154	154	153	153	154	155	156	156	156	155	154	153	153	154
45	136	137	137	138	139	141	141	141	141	143	143	144	144	144	143	143	141	141	141
50	117	118	119	120	122	123	124	125	126	127	128	128	128	128	128	127	126	125	124
55	96.3	97.2	97.9	99.5	101	103	104	105	107	109	109	109	108	109	109	109	107	105	104
60	74.9	75.6	76.3	77.9	79.2	80.9	82.3	84.1	84.9	87.8	87.1	86.6	85.9	86.6	87.1	87.8	84.9	84.1	82.3
65	54.6	55.1	55.6	56.8	58.2	59.9	61.3	63.0	63.3	65.7	65.1	65.1	64.4	65.1	65.1	65.7	63.3	63.0	61.3
70	36.8	37.4	37.8	38.7	39.8	41.4	42.2	43.5	44.1	45.6	45.4	45.3	45.0	45.3	45.4	45.6	44.1	43.5	42.2
75	18.0	18.9	19.3	20.5	21.6	23.0	24.0	25.2	25.5	27.0	26.7	26.9	26.2	26.9	26.7	27.0	25.5	25.2	24.0
80	3.18	3.37	3.57	3.97	4.46	5.12	5.63	6.14	6.33	7.19	7.03	6.98	6.65	6.98	7.03	7.19	6.33	6.14	5.63
85	1.14	1.16	1.23	1.32	1.43	1.63	1.80	1.91	1.94	2.11	2.05	2.01	1.93	2.01	2.05	2.11	1.94	1.91	1.80
90	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

C Range: 0 - 180DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20°C
 Operators:NICK
 Test Date:16 October 2023

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:3.100m [K=1.0000]
 Remarks: AGL-560-30X120

Spatial Color Distribution Report

NAME: AGL-560-30X120	TYPE: MR16 GLOBE	WEIGHT: 100G
DIM.: 50MM	SPEC.: AGL-560-30X120	SERIAL No.:
MFR.: AQUALUX		



Color Parameters:

Average: $x=0.4374, y=0.4001, u'=0.2526, v'=0.5199$ CCT=2959K Ra=81.4 Rf=83 Rg=96
Center : $x=0.4386, y=0.4000, u'=0.2534, v'=0.5200$ CCT=2940K Ra=80.7 Rf=82 Rg=96
IESNA LM-79-2019 Max. $du'v'$: 0.0100 / max. $du'v'$: 0.0000[Set Range]
GB/T 24824(LB/T 001-2009):: avg. color nonuniformity $du'v'$:0.0008
GB/T 24824(LB/T 001-2009):: max. color nonuniformity $du'v'$:0.0036
Average: R1=80 R2=91 R3=95 R4=79 R5=80 R6=89 R7=81 R8=56 R9=1 R10=80
R11=77 R12=73 R13=83 R14=98 R15=72

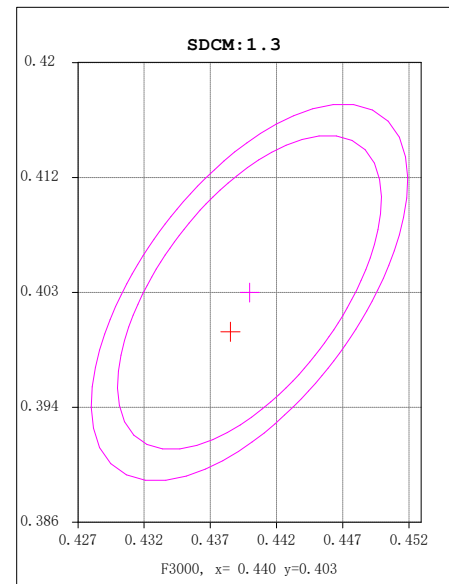
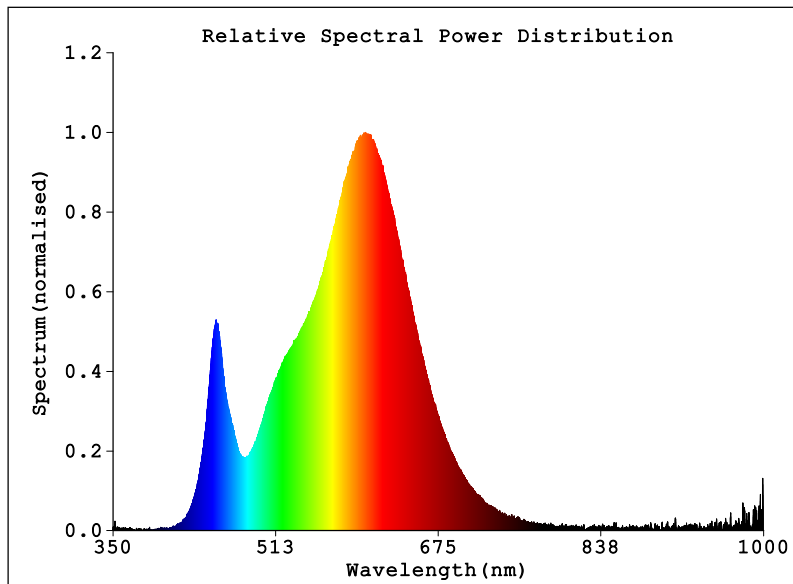
Tester: NICK
Temperature: 20°C
Manufacturer: AQUALUX

Date: 16 October 2023
Humidity: 65.0%
Remarks: AGL-560-30X120

System: GO-SPEX500_V1

Spectral Radiant Test Report

NAME: AGL-560-30X120	TYPE: MR16 GLOBE	WEIGHT: 100G
DIM.: 50MM	SPEC.: AGL-560-30X120	SERIAL No.:
MFR.: AQUALUX		



Photon & Colormetric & Photometric Quantities:

PPFD=0.26317umol/m2/s Ee, PAR=0.054615W/m2 K_PPFD, E=0.014132 K_PAR, E=0.0029328
 Chromaticity Coordinates: x=0.4386 y=0.4000/u'=0.2534 v'=0.5200 duv=-0.00183
 Tc=2940K Dominant WL: Ld=583.8nm Purity=51.7%
 Ratio: R=23.2% G=74.3% B=2.5% Peak WL: Lp=602.2nm HWL: 116.5nm
 Rendering Index: Ra=80.7 TM-30: Rf=82 Rg=96 CQS: Qa=81.42 TLCI = 63
 R1 =79 R2 =91 R3 =95 R4 =78 R5 =80 R6 =89 R7 =80
 R8 =54 R9 =-1 R10=79 R11=77 R12=71 R13=82 R14=98 R15=71
 E = 18.62 lx Ee = 0.0569 W/m2

Status: T=2880.00ms Ip=55892 (85%) [HAAS-1200 (CAN)]

Electrical: U=23.784V I=0.22975A P=5.4645W PF=1.0000

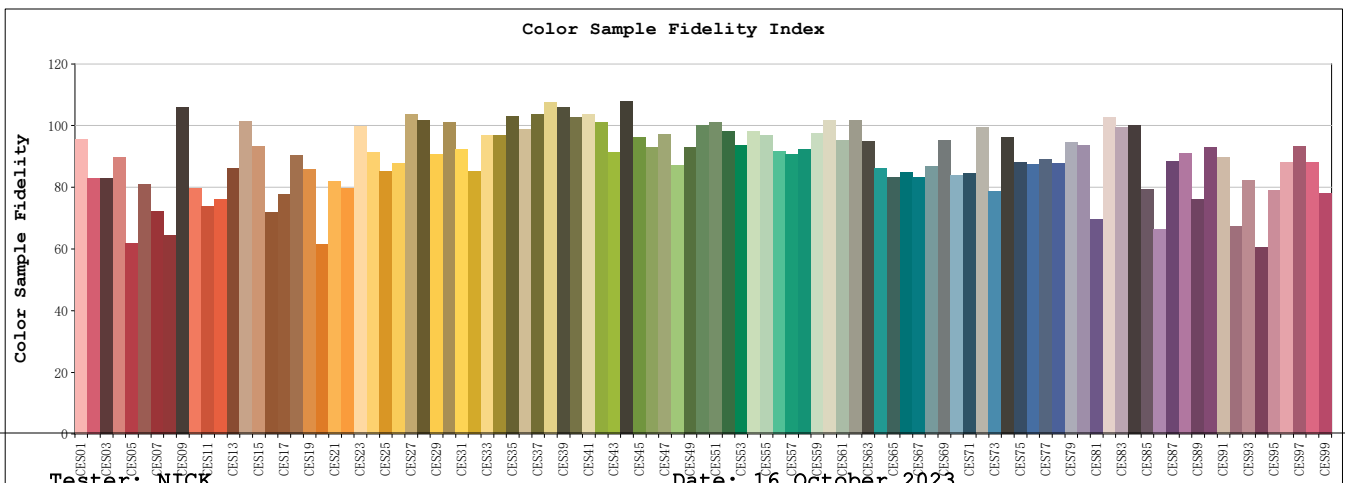
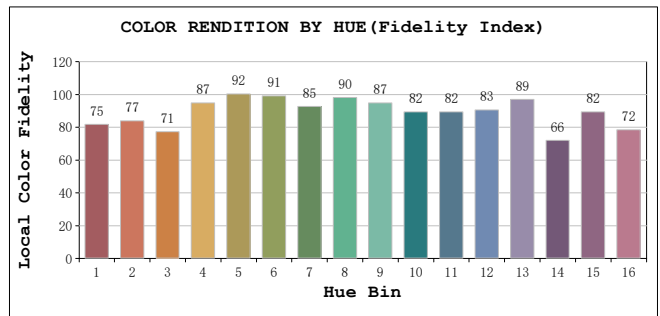
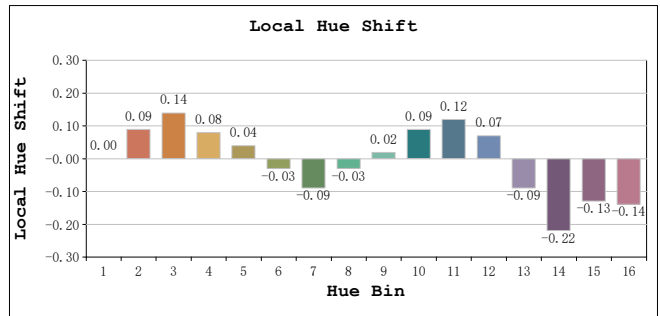
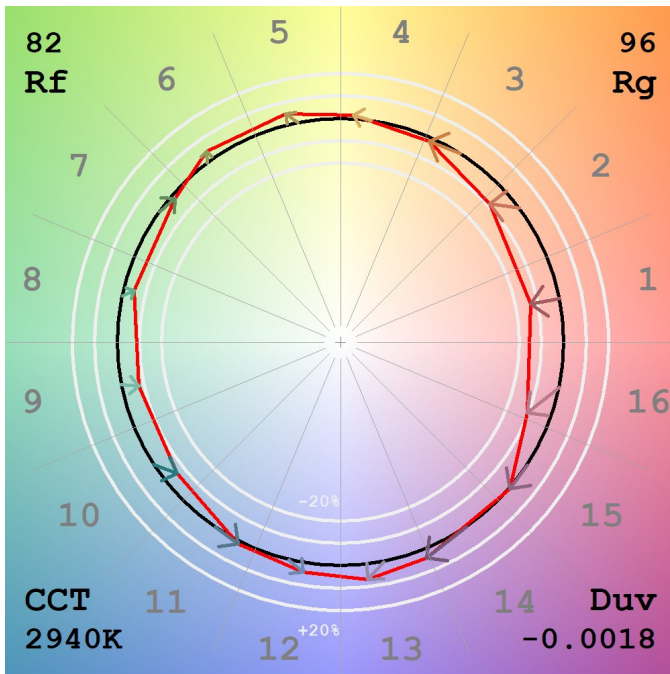
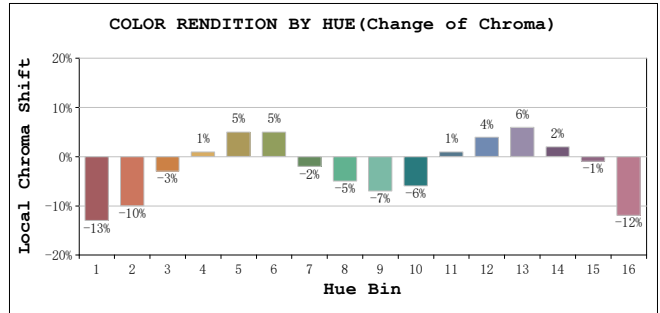
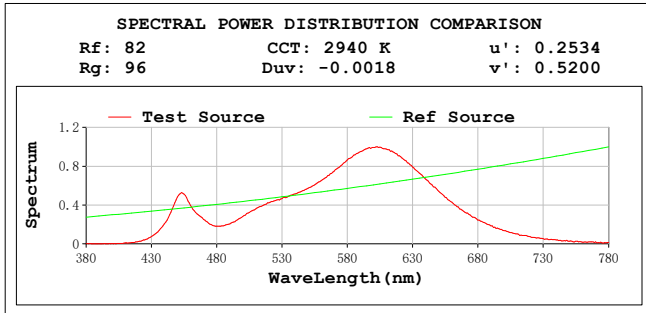
Test position: Center

Tester: NICK
 Temperature: 20°C
 Manufacturer: AQUALUX

Date: 16 October 2023
 Humidity: 65.0%
 Remarks: AGL-560-30X120

System: GO-SPEX500_V1

TM30



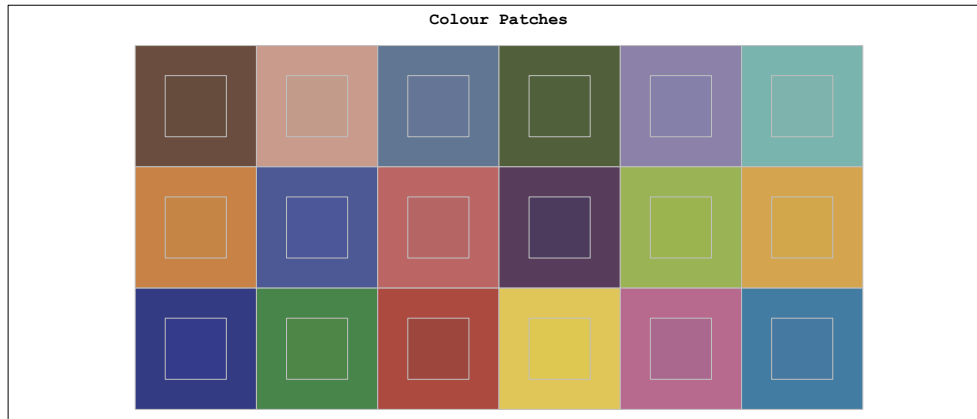
All Rf:

Rf1 = 87.5	Rf2 = 75.9	Rf3 = 76.1
Rf4 = 82.4	Rf5 = 56.8	Rf6 = 74.4
Rf7 = 66.4	Rf8 = 59.0	Rf9 = 97.1
Rf10 = 72.9	Rf11 = 67.7	Rf12 = 69.8
Rf13 = 79.1	Rf14 = 93.0	Rf15 = 85.4
Rf16 = 66.0	Rf17 = 71.1	Rf18 = 82.8
Rf19 = 78.7	Rf20 = 56.3	Rf21 = 75.3
Rf22 = 73.1	Rf23 = 91.5	Rf24 = 83.7
Rf25 = 78.0	Rf26 = 80.4	Rf27 = 95.1
Rf28 = 93.2	Rf29 = 83.1	Rf30 = 92.7
Rf31 = 84.6	Rf32 = 78.0	Rf33 = 88.9
Rf34 = 88.9	Rf35 = 94.4	Rf36 = 90.8
Rf37 = 95.2	Rf38 = 98.8	Rf39 = 97.2
Rf40 = 94.3	Rf41 = 94.9	Rf42 = 92.6
Rf43 = 83.9	Rf44 = 99.0	Rf45 = 88.1
Rf46 = 85.3	Rf47 = 89.2	Rf48 = 80.0
Rf49 = 85.4	Rf50 = 91.7	Rf51 = 92.7
Rf52 = 90.1	Rf53 = 85.9	Rf54 = 90.1
Rf55 = 88.9	Rf56 = 84.0	Rf57 = 83.3
Rf58 = 84.6	Rf59 = 89.4	Rf60 = 93.2
Rf61 = 87.3	Rf62 = 93.5	Rf63 = 87.1
Rf64 = 79.0	Rf65 = 76.3	Rf66 = 77.7
Rf67 = 76.4	Rf68 = 79.7	Rf69 = 87.3
Rf70 = 76.9	Rf71 = 77.5	Rf72 = 91.4
Rf73 = 72.3	Rf74 = 88.3	Rf75 = 80.7
Rf76 = 80.2	Rf77 = 81.8	Rf78 = 80.4
Rf79 = 86.8	Rf80 = 86.0	Rf81 = 63.8
Rf82 = 94.1	Rf83 = 91.2	Rf84 = 91.7
Rf85 = 72.8	Rf86 = 60.8	Rf87 = 81.2
Rf88 = 83.4	Rf89 = 69.8	Rf90 = 85.2
Rf91 = 82.4	Rf92 = 61.8	Rf93 = 75.4
Rf94 = 55.5	Rf95 = 72.5	Rf96 = 80.7
Rf97 = 85.7	Rf98 = 80.9	Rf99 = 71.7

Tester: NICK
Temperature: 20°C
Manufacturer: AQUALUX

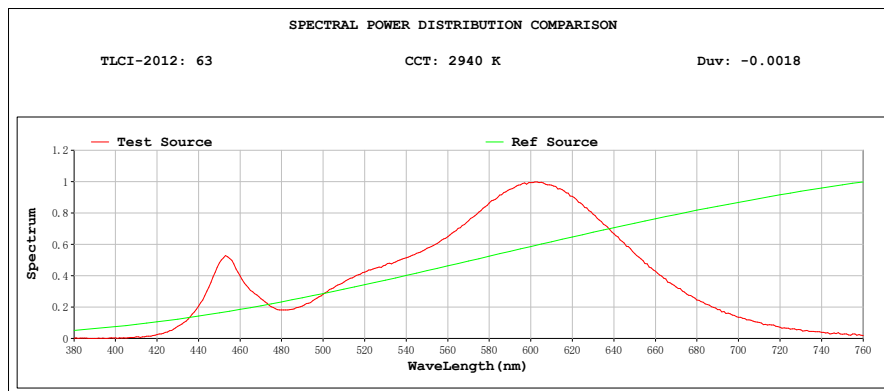
Date: 16 October 2023
Humidity: 65.0%
Remarks: AGL-560-30X120

System: GO-SPEX500_V1



Colourist's Advice Report

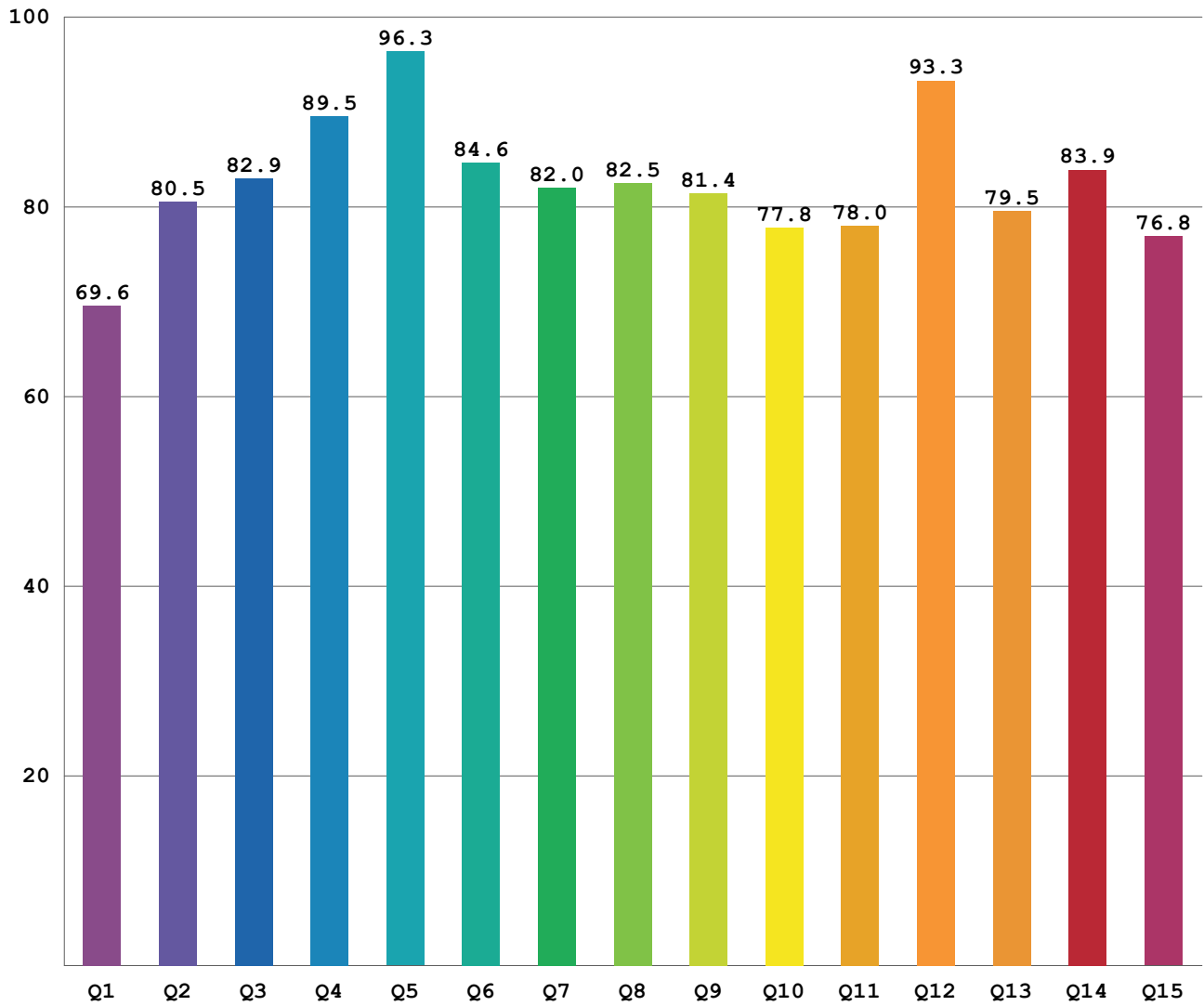
Sector	Lightness	Chroma	Hue
R	-4	-3	-1
R/Y	-1	-1	3
Y	1	1	3
Y/G	0	1	0
G	1	0	-2
G/C	0	0	-2
C	-1	-1	-2
C/B	-2	0	3
B	0	2	2
B/M	-2	1	-5
M	-4	0	-5
M/R	-5	-1	-5



Tester: NICK
 Temperature: 20°C
 Manufacturer: AQUALUX
 System: GO-SPEX500_V1

Date: 16 October 2023
 Humidity: 65.0%
 Remarks: AGL-560-30X120

CQS: 80.4



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
69.6	80.5	82.9	89.5	96.3	84.6	82.0	82.5	81.4	77.8	78.0	93.3	79.5	83.9	76.8

Tester: NICK
 Temperature: 20°C
 Manufacturer: AQUALUX

Date: 16 October 2023
 Humidity: 65.0%
 Remarks: AGL-560-30X120

System: GO-SPEX500_V1

