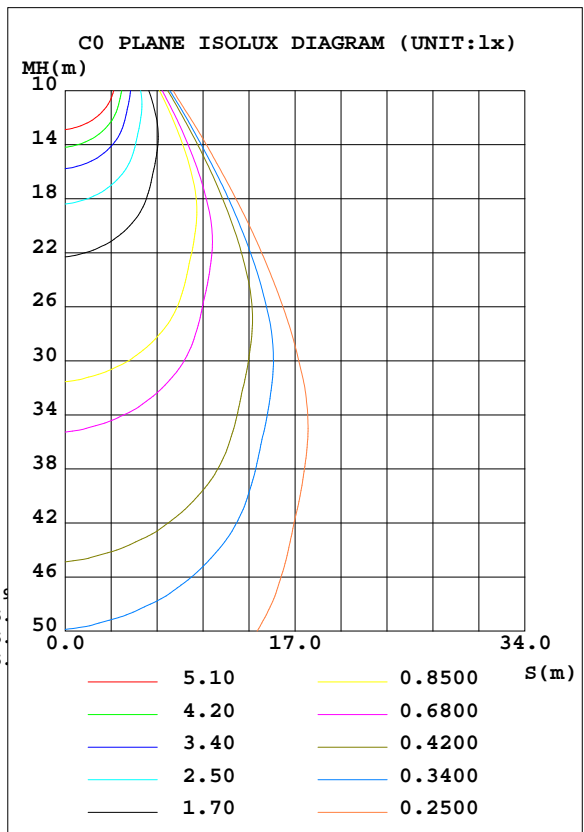
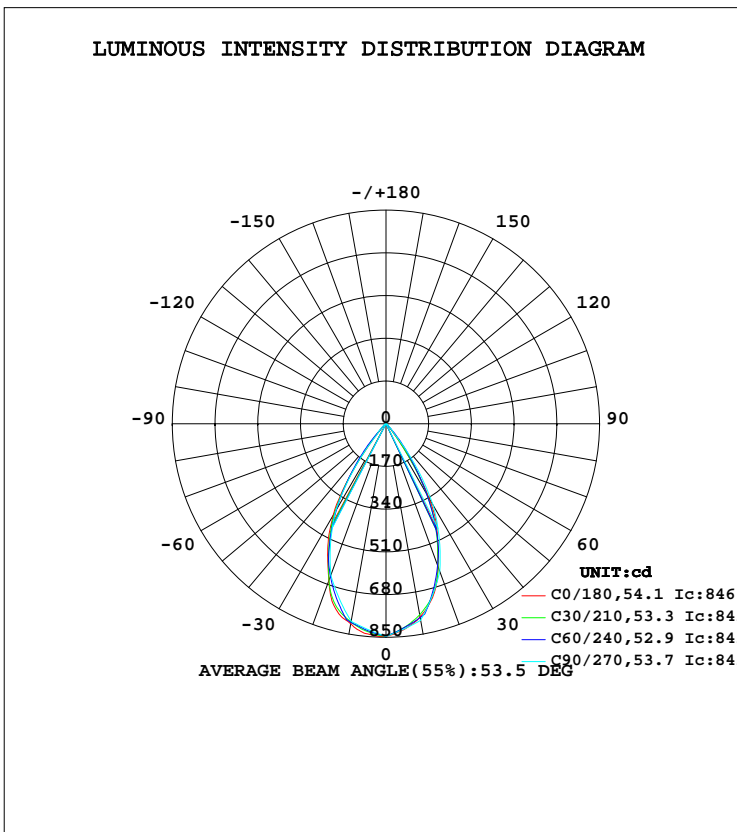


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm		
NAME: ED110-2 WW WH	TYPE:	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: OBALS	SUR.:47mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.14 lm/W			
MODEL:13111202P430E39 3000K		I _{max} (cd)	846.9	S/MH(C0/180)	0.89
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.87
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	674.95	η UP, DN(C0-180)	0.0,49.2
NOMINAL FLUX(lm)	674.953	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,50.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)		η down(%)	100.0	CIBSE SHR MAX	0.90



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2019-10-05

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:6.880m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

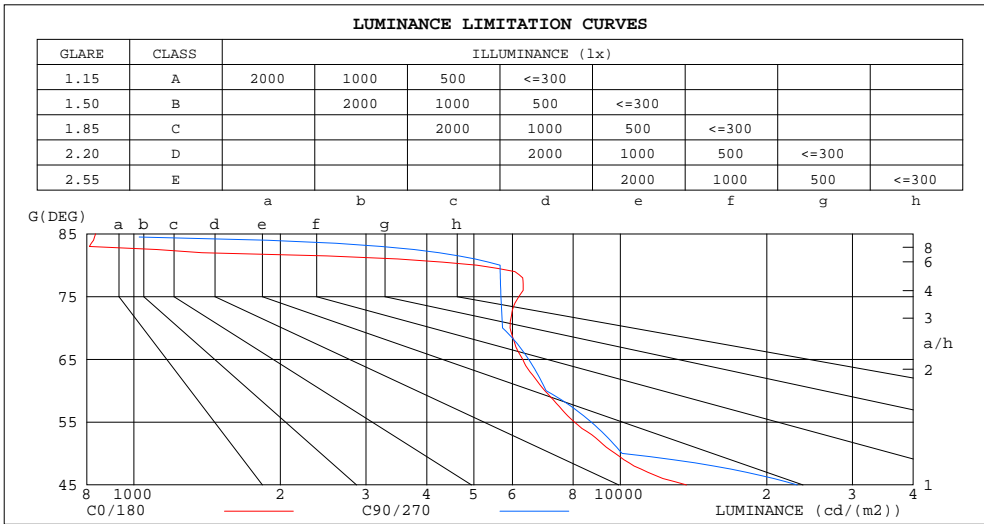
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	780.7	776.1	794.3	797.5	808.5	800.7	798.2	779.1	0- 10	77.53	77.53	11.5,11.5
20	605.2	602.4	626.1	645.4	664.7	656.3	641.8	614.3	10- 20	201.8	279.4	41.4,41.4
30	343.8	337.0	376.1	388.2	420.7	402.2	400.8	357.7	20- 30	231.0	510.3	75.6,75.6
40	39.90	41.69	45.31	64.55	68.88	72.20	55.31	46.49	30- 40	127.1	637.5	94.4,94.4
50	10.85	10.72	11.21	11.79	12.30	12.20	11.92	11.20	40- 50	21.58	659.0	97.6,97.6
60	6.049	6.047	6.086	6.144	6.223	6.421	6.679	6.466	50- 60	7.782	666.8	98.8,98.8
70	3.511	3.515	3.389	3.303	3.121	3.627	3.915	4.033	60- 70	4.743	671.6	99.5,99.5
80	1.523	1.161	1.700	1.307	1.503	1.952	2.422	1.947	70- 80	2.822	674.4	99.9,99.9
90	0.0864	0	0	0	0.0707	0	0	0	80- 90	0.5730	675.0	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		

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2019-10-05

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:6.880m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm		
NAME: ED110-2 WW WH	TYPE:	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: OBALS	SUR.:47mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	834	0
80	5071	5660
75	6188	5683
70	5933	5727
65	6297	6480
60	6993	7036
55	8045	8715
50	9759	10081
45	13678	23103

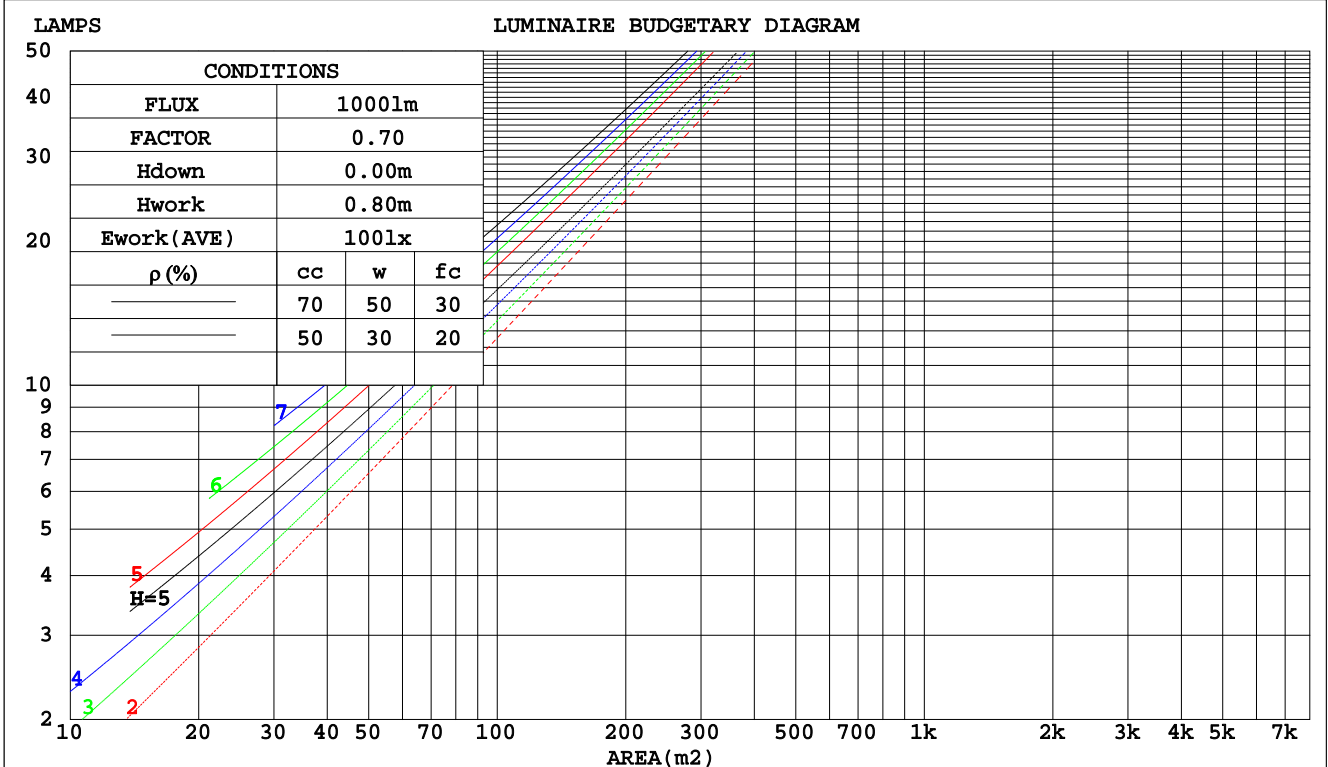
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2019-10-05

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:6.880m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm		
NAME: ED110-2 WW WH	TYPE:	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: OBALS	SUR.:47mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	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	1.11	1.08	1.06	1.09	1.06	1.04	1.05	1.03	1.01	1.01	.98	.98	.97	.96	.95	.94
2.0	1.03	.99	.96	1.02	.98	.95	.98	.95	.93	.95	.93	.91	.93	.91	.89	.87
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.84	.88	.85	.83	.82
4.0	.90	.85	.81	.89	.84	.80	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5.0	.85	.79	.75	.84	.79	.75	.82	.78	.74	.81	.77	.73	.79	.76	.73	.71
6.0	.80	.74	.70	.79	.74	.70	.78	.73	.69	.76	.72	.69	.75	.71	.68	.67
7.0	.75	.70	.65	.75	.69	.65	.74	.69	.65	.72	.68	.65	.71	.67	.64	.63
8.0	.71	.65	.61	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.59
9.0	.67	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.57	.64	.60	.57	.56
10.0	.64	.58	.55	.64	.58	.55	.63	.58	.54	.62	.57	.54	.61	.57	.54	.53



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2019-10-05

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:6.880m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm		
NAME: ED110-2 WW WH	TYPE:	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: OBALS	SUR.:47mm	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	.177	.100	.032	.170	.097	.031	.157	.090	.029	.146	.084	.027	.135	.078	.025	
2.0	.168	.092	.028	.163	.090	.028	.152	.085	.026	.142	.080	.025	.133	.075	.024	
3.0	.160	.085	.025	.155	.083	.025	.146	.079	.024	.138	.075	.023	.130	.072	.022	
4.0	.152	.079	.023	.148	.077	.023	.140	.074	.022	.133	.071	.022	.126	.068	.021	
5.0	.145	.074	.021	.141	.072	.021	.134	.070	.021	.128	.068	.020	.122	.065	.020	
6.0	.138	.069	.020	.135	.068	.020	.129	.066	.019	.123	.064	.019	.118	.062	.018	
7.0	.132	.065	.018	.129	.064	.018	.124	.063	.018	.119	.061	.018	.114	.059	.017	
8.0	.126	.062	.017	.124	.061	.017	.119	.059	.017	.115	.058	.017	.110	.057	.017	
9.0	.121	.058	.016	.119	.058	.016	.114	.057	.016	.111	.055	.016	.107	.054	.016	
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.107	.053	.015	.103	.052	.015	

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	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.133	.099	.073	.114	.085	.063	.078	.060	.045	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.107	.075	.052	.073	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.095	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.031	.086	.051	.027	.059	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.095	.054	.028	.082	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2019-10-05

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:6.880m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm										
NAME: ED110-2 WW WH					TYPE:			WEIGHT:		
SPEC.:10W					DIM.:			SERIAL No.:		
MFR.: OBALS					SUR.:47mm			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	20.1	21.0	20.3	21.2	21.3	21.3	22.2	21.5	22.4	22.6
3H	20.1	20.9	20.3	21.1	21.3	21.2	22.1	21.5	22.3	22.5
4H	20.1	20.9	20.3	21.1	21.3	21.2	22.0	21.5	22.2	22.5
6H	20.1	20.8	20.4	21.1	21.3	21.2	22.0	21.5	22.2	22.4
8H	20.0	20.8	20.3	21.0	21.3	21.2	21.9	21.5	22.2	22.4
12H	20.0	20.7	20.3	21.0	21.2	21.1	21.8	21.4	22.1	22.4
4H 2H	19.9	20.7	20.2	20.9	21.1	21.1	21.9	21.4	22.1	22.4
3H	19.9	20.6	20.3	20.9	21.2	21.1	21.8	21.4	22.0	22.3
4H	20.0	20.6	20.3	20.9	21.2	21.1	21.7	21.4	22.0	22.3
6H	20.1	20.6	20.4	21.0	21.3	21.1	21.6	21.5	22.0	22.3
8H	20.0	20.5	20.4	20.9	21.3	21.1	21.6	21.5	21.9	22.3
12H	20.0	20.4	20.4	20.8	21.2	21.0	21.5	21.4	21.9	22.3
8H 4H	19.9	20.5	20.3	20.8	21.2	21.0	21.5	21.4	21.9	22.2
6H	20.0	20.5	20.5	20.9	21.3	21.0	21.4	21.4	21.8	22.2
8H	20.0	20.4	20.4	20.8	21.2	21.0	21.4	21.4	21.8	22.2
12H	19.9	20.3	20.4	20.7	21.2	21.0	21.3	21.4	21.7	22.2
12H 4H	19.9	20.4	20.3	20.7	21.1	21.0	21.4	21.4	21.8	22.2
6H	20.0	20.4	20.4	20.8	21.2	21.0	21.3	21.4	21.8	22.2
8H	20.0	20.3	20.4	20.7	21.2	21.0	21.3	21.4	21.7	22.2
Variations with the observer position at spacings:										
S = 1.0H	+ 2.9 / - 2.8					+ 3.4 / - 5.2				
1.5H	+ 5.0 / - 2.4					+ 5.7 / - 4.8				
2.0H	+ 1.3 / - 0.7					+ 3.4 / - 1.2				

CIE Pub.117, 675.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.4)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2019-10-05

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:6.880m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm		
NAME: ED110-2 WW WH	TYPE:	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: OBALS	SUR.:47mm	Shielding Angle:

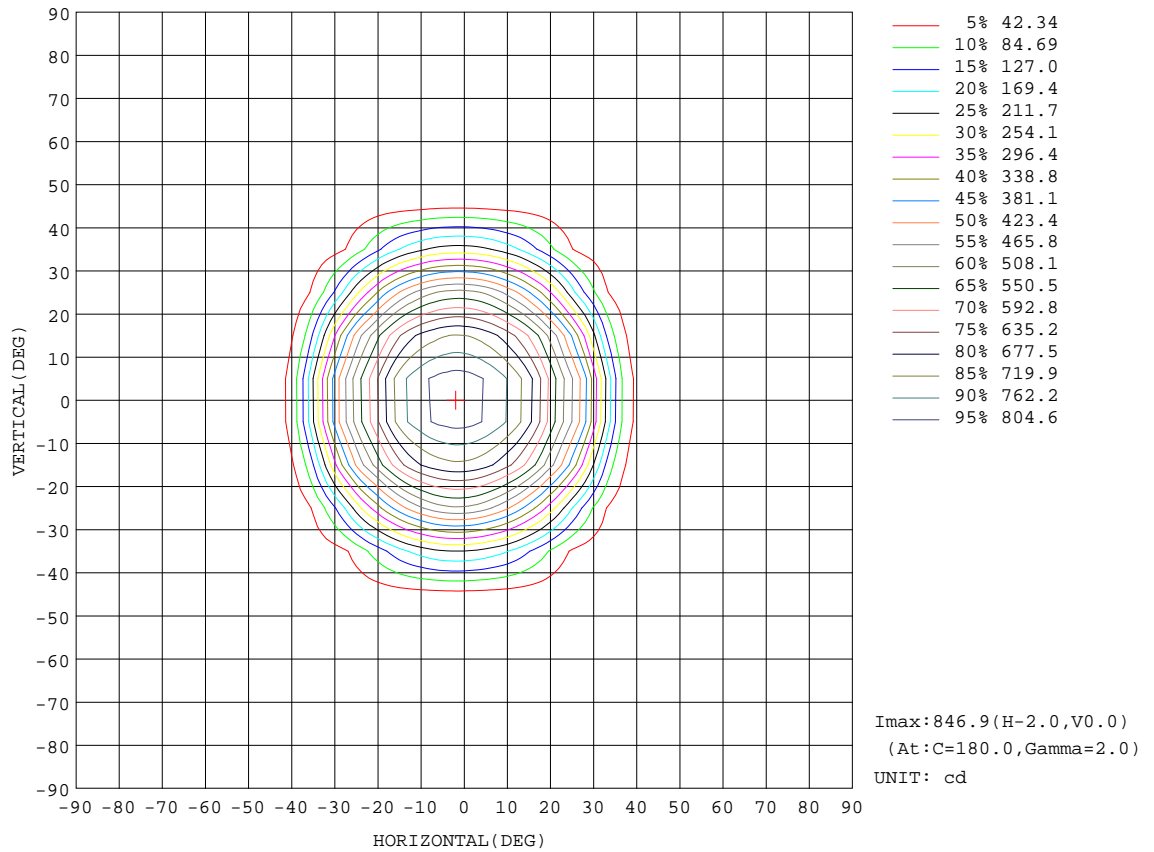
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	88	82	78	88	82	78	87	81	78	74
0.80	95	90	86	95	89	86	94	89	86	82
1.00	100	94	91	99	94	90	97	94	90	86
1.25	104	98	95	102	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	104	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2019-10-05

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:6.880m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm		
NAME: ED110-2 WW WH	TYPE:	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: OBALS	SUR.:47mm	Shielding Angle:

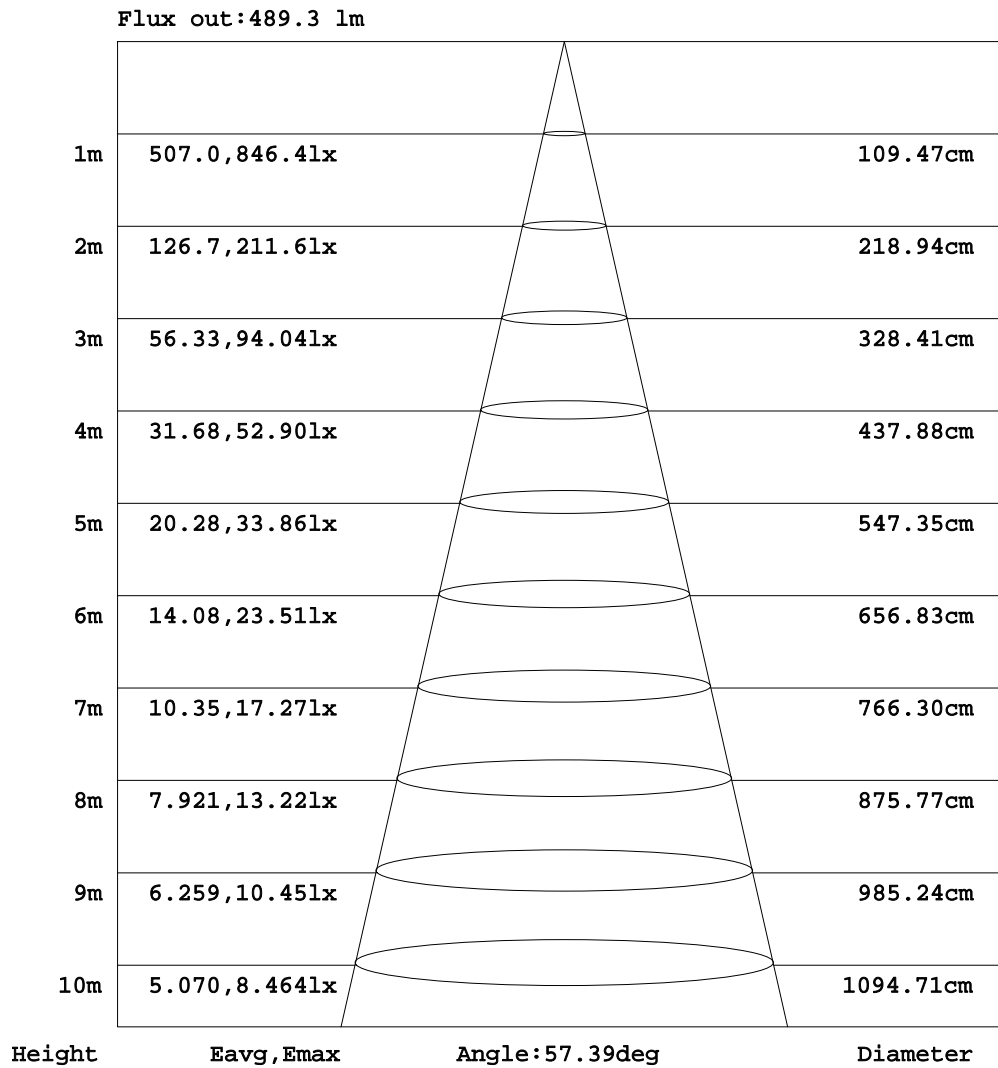


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2019-10-05

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:6.880m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm		
NAME: ED110-2 WW WH	TYPE:	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: OBALS	SUR.:47mm	Shielding Angle:



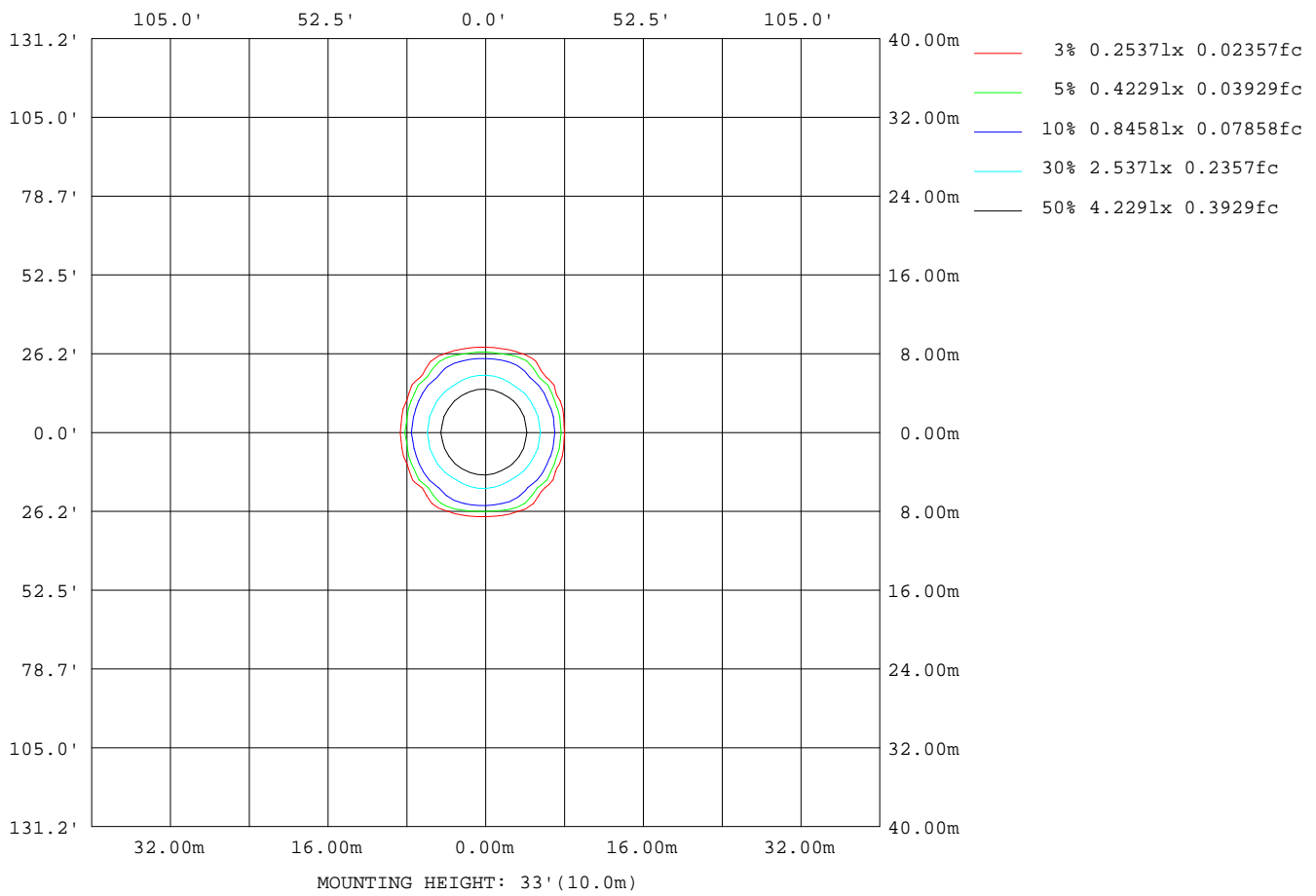
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2019-10-05

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:6.880m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm		
NAME: ED110-2 WW WH	TYPE:	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: OBALS	SUR.:47mm	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2019-10-05

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:6.880m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm		
NAME: ED110-2 WW WH	TYPE:	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: OBALS	SUR.:47mm	Shielding Angle:

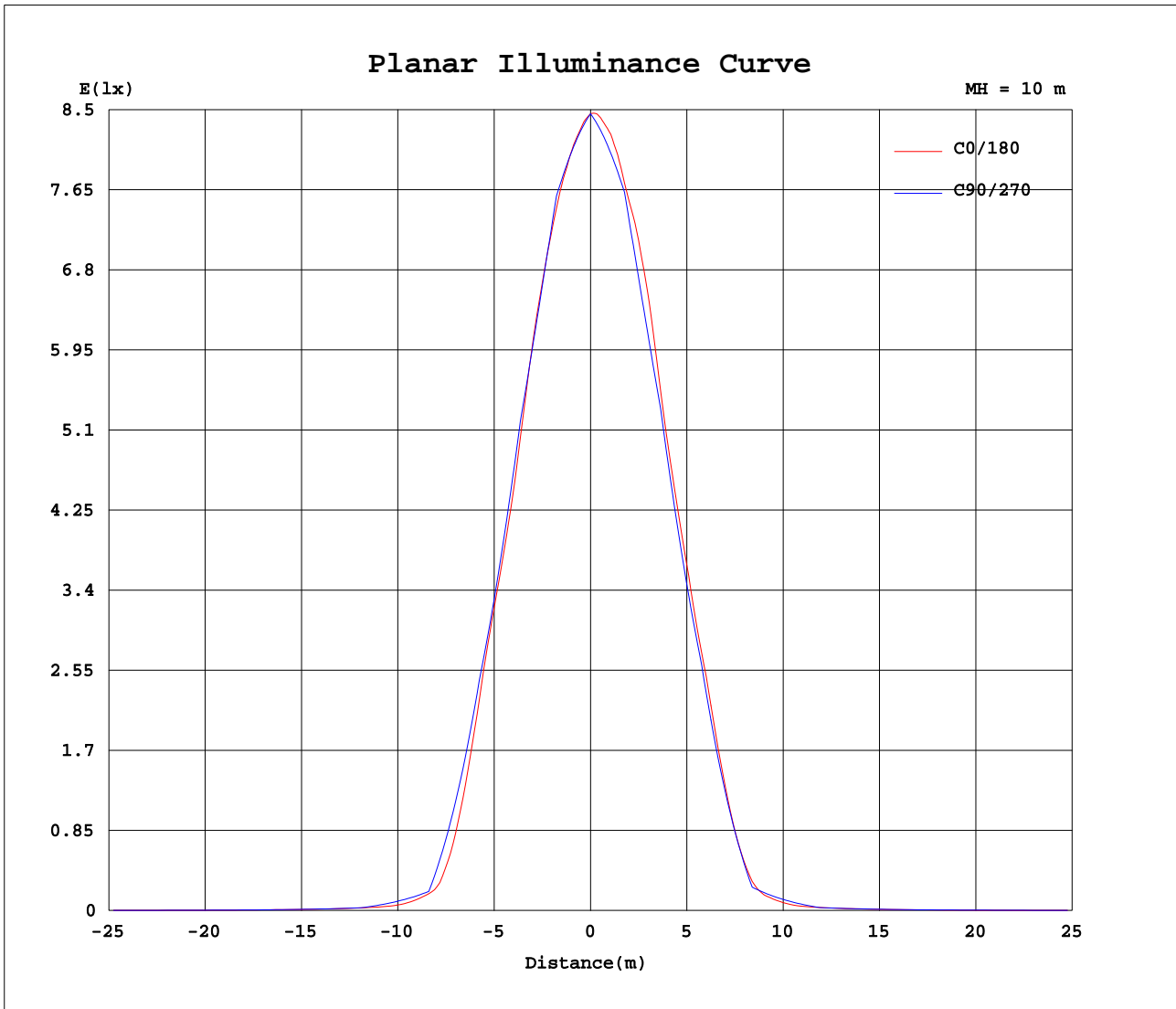
AvgL	cd/m2
L_0~180(65)av	6201
L_0~180(75)av	5592
L_0~180(85)av	794
L_90~270(65)av	6862
L_90~270(75)av	6380
L_90~270(85)av	0
L_45(65)av	6529
L_45(75)av	6235
L_45(85)av	2300

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2019-10-05

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:6.880m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2019-10-05

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:6.880m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm		
NAME: ED110-2 WW WH	TYPE:	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: OBALS	SUR.:47mm	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846
5	822	820	819	817	816	815	814	814	814	814	814	815	815	816	817	817	818	819	820
10	781	777	775	773	772	772	772	773	774	776	778	781	783	786	788	790	792	793	794
15	716	709	705	703	703	705	710	716	722	717	711	708	705	704	705	705	707	708	710
20	605	597	592	591	593	599	606	604	604	602	602	601	601	603	607	613	618	623	626
25	484	477	475	477	482	480	474	474	477	484	486	481	477	477	481	485	491	497	501
30	344	333	332	340	341	331	327	333	343	337	329	325	327	335	344	352	361	370	376
35	149	140	142	151	149	148	146	160	165	162	157	158	178	194	203	206	206	208	211
40	39.9	38.9	39.7	40.1	41.9	41.1	42.4	53.4	52.7	41.7	53.6	68.5	78.7	79.7	74.0	63.9	53.4	46.5	45.3
45	16.7	16.4	16.8	17.3	16.8	18.0	18.8	17.0	20.0	21.9	21.1	19.5	19.2	22.1	24.3	25.8	26.6	27.3	28.3
50	10.9	10.7	10.8	10.7	10.7	10.8	10.7	11.0	11.2	10.7	11.0	11.5	12.3	13.0	13.0	12.7	12.0	11.3	11.2
55	7.98	7.92	7.91	7.87	7.90	7.90	7.98	7.88	8.04	8.14	8.12	8.03	8.11	8.13	8.03	8.35	8.53	8.58	8.65
60	6.05	6.04	5.99	5.99	6.00	5.99	5.99	6.02	6.03	6.05	6.11	6.13	6.17	5.98	5.84	6.06	6.12	6.10	6.09
65	4.60	4.60	4.56	4.57	4.54	4.54	4.56	4.55	4.60	4.60	4.58	4.53	4.59	4.39	4.39	4.62	4.73	4.74	4.74
70	3.51	3.51	3.50	3.50	3.50	3.49	3.52	3.51	3.47	3.52	3.54	3.56	3.55	3.32	3.29	3.44	3.43	3.41	3.39
75	2.77	2.76	2.74	2.74	2.72	2.75	2.68	2.69	2.72	2.74	2.61	2.50	2.45	2.27	2.33	2.48	2.49	2.53	2.54
80	1.52	1.47	1.45	1.38	1.45	1.28	1.59	1.57	1.36	1.16	1.05	1.14	1.23	1.23	1.39	1.56	1.58	1.66	1.70
85	0.13	0.11	0.12	0.10	0.11	0.20	0.13	0.11	0.09	0.07	0.09	0.14	0.14	0.11	0.08	0.05	0.02	0.01	0.00
90	0.09	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	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2019-10-05

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:6.880m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm		
NAME: ED110-2 WW WH	TYPE:	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: OBALS	SUR.:47mm	Shielding Angle:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846
5	836	835	833	832	830	829	828	828	827	827	827	826	825	825	824	823	822	821	820
10	804	803	802	802	802	802	801	801	801	802	803	802	803	803	802	800	798	798	795
15	756	753	753	754	757	760	764	759	750	742	736	732	730	727	725	723	720	718	716
20	653	652	653	657	663	661	659	656	652	649	647	644	644	644	645	644	642	638	633
25	538	539	545	543	538	538	541	544	545	539	533	530	528	527	526	524	521	518	514
30	408	414	412	404	407	415	417	402	397	393	394	397	401	405	405	403	401	398	393
35	227	235	229	229	236	241	237	229	225	231	244	249	247	243	237	231	228	227	227
40	66.2	72.2	73.1	71.1	84.0	90.6	79.6	72.2	94.7	109	113	106	91.8	77.2	66.5	59.1	55.3	56.0	60.8
45	23.4	23.4	23.6	25.3	25.1	23.6	26.9	28.5	31.5	28.5	25.6	28.5	29.9	31.0	33.0	34.0	33.6	32.2	30.0
50	12.2	12.3	12.4	12.4	12.3	12.8	13.5	12.2	12.8	13.9	15.3	15.9	15.4	14.3	13.3	12.3	11.9	12.2	12.9
55	8.60	8.68	8.58	8.61	8.67	8.71	8.84	8.95	8.97	8.91	8.98	9.02	9.14	9.18	9.26	9.27	9.30	9.23	9.19
60	6.17	6.17	6.17	6.22	6.27	6.37	6.44	6.42	6.55	6.67	6.80	6.79	6.78	6.75	6.72	6.68	6.68	6.69	6.73
65	4.46	4.44	4.46	4.53	4.59	4.65	4.76	4.84	4.87	4.90	5.01	5.08	5.16	5.21	5.25	5.28	5.30	5.31	5.31
70	3.11	3.13	3.19	3.28	3.38	3.47	3.50	3.63	3.72	3.77	3.80	3.81	3.84	3.86	3.87	3.89	3.91	3.95	3.98
75	2.23	2.29	2.40	2.50	2.58	2.66	2.73	2.75	2.79	2.82	2.87	2.93	2.99	2.89	2.79	2.89	3.17	3.20	3.22
80	1.47	1.61	1.72	1.85	1.94	1.88	1.88	1.95	2.05	2.13	2.20	2.25	2.28	2.00	1.74	1.88	2.42	2.47	2.48
85	0.46	0.61	0.75	0.82	0.72	0.70	0.67	0.60	0.52	0.41	0.31	0.22	0.14	0.07	0.03	0.01	0.00	0.01	0.04
90	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	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2019-10-05

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:6.880m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.10V I:0.0377A P:7.9279W PF:0.9553 Freq:50.01Hz Lamp Flux:674.953x1 lm		
NAME: ED110-2 WW WH	TYPE:	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: OBALS	SUR.:47mm	Shielding Angle:

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846				
5	820	819	818	817	816	815	815	815	815	815	816	816	818	819	820				
10	793	791	789	786	784	781	779	777	775	774	774	773	774	775	778				
15	714	712	713	713	714	717	722	724	718	713	709	707	705	707	710				
20	627	622	617	614	612	612	614	614	615	615	606	599	596	595	598				
25	509	502	498	497	500	504	501	495	489	487	490	490	482	478	479				
30	385	373	363	354	349	352	358	365	349	340	342	352	346	336	336				
35	227	225	219	203	183	178	178	177	174	161	156	156	158	147	143				
40	70.5	82.6	90.0	90.5	80.6	63.5	46.5	57.1	57.6	46.0	42.9	43.6	41.5	40.2	39.1				
45	28.5	27.0	24.6	21.2	22.1	23.2	23.3	21.3	18.2	19.6	18.7	17.4	17.8	17.3	16.6				
50	13.7	14.4	14.3	13.5	12.3	11.8	11.2	11.7	11.4	11.1	11.1	10.9	10.9	10.9	10.8				
55	9.08	8.95	8.87	8.72	8.55	8.60	8.54	8.43	8.19	8.23	8.13	8.08	8.02	8.02	7.99				
60	6.76	6.77	6.81	6.76	6.67	6.58	6.47	6.42	6.34	6.22	6.18	6.15	6.09	6.06	6.08				
65	5.30	5.27	5.24	5.19	5.10	5.11	5.09	5.03	4.91	4.87	4.74	4.69	4.65	4.63	4.63				
70	4.02	4.06	4.09	4.11	4.11	4.09	4.03	3.95	3.93	3.87	3.76	3.67	3.59	3.54	3.53				
75	3.22	3.22	3.20	3.17	3.15	3.20	3.29	3.28	3.20	3.14	3.13	2.99	2.88	2.80	2.78				
80	2.49	2.48	2.42	2.30	2.11	2.00	1.95	1.97	2.18	2.30	1.95	1.99	1.81	1.68	1.55				
85	0.09	0.15	0.23	0.31	0.38	0.43	0.44	0.43	0.56	0.74	0.86	0.71	0.66	0.55	0.25				
90	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	0.00	0.00				

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2019-10-05

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:6.880m [K=1.0000]
 Remarks: