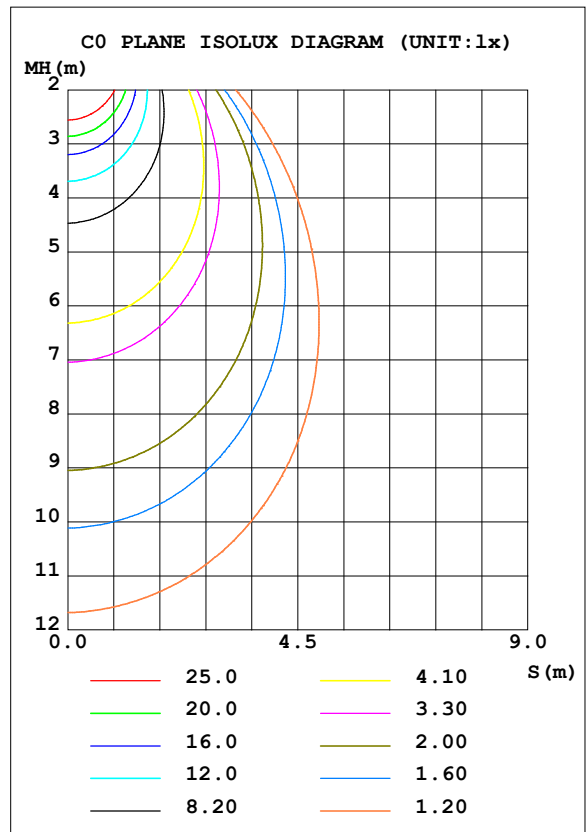
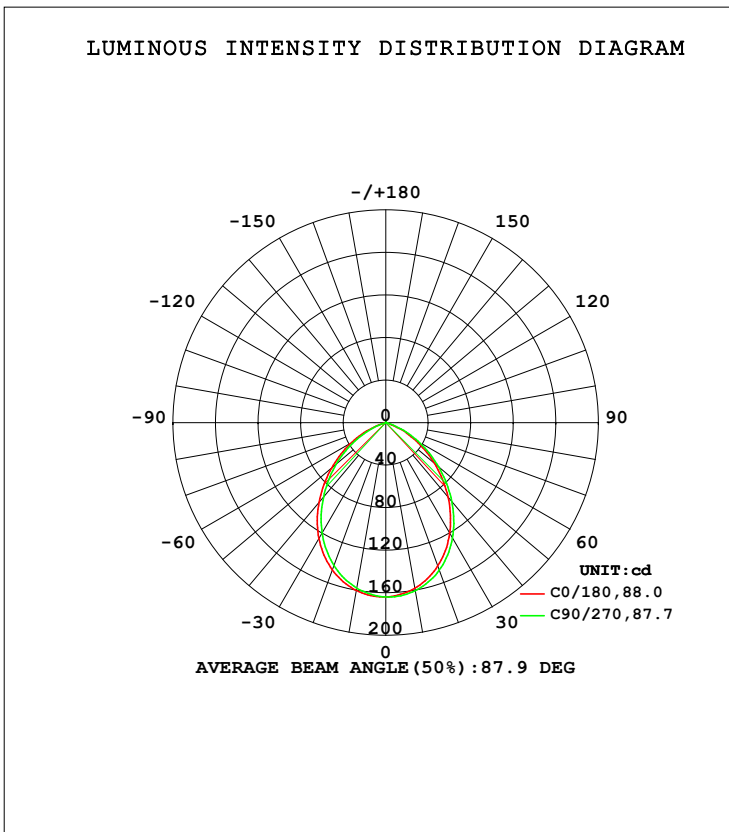


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.018V I:0.8210A P:6.4109W PF:0.6497 Freq:50.00Hz Lamp Flux:312.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.75 lm/W			
MODEL		Imax (cd)	164.0	S/MH (C0/180)	1.15
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.11
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	312.56	$\eta$ UP, DN (C0-180)	0.0, 50.2
NOMINAL FLUX (lm)	312.56	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 49.8
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	12	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.25



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-11-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity: 65.0%  
 Test Distance: 8.859m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

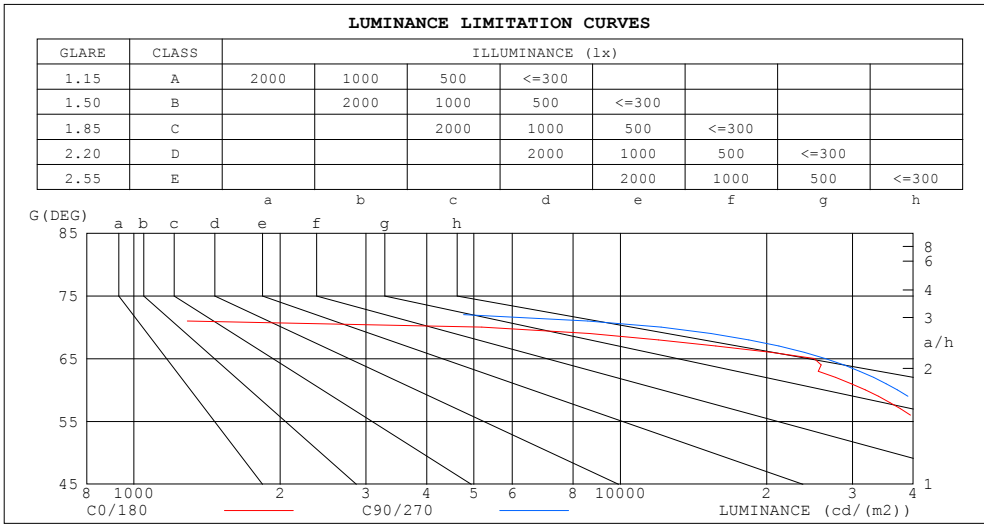
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	158.1	159.7	160.4	159.8	160.2	158.6	157.9	158.7	0- 10	15.42	15.42	4.93,4.93
20	143.3	146.3	147.5	146.2	147.3	144.1	142.9	144.4	10- 20	43.14	58.56	18.7,18.7
30	120.3	124.5	125.4	123.6	125.9	121.4	119.8	121.8	20- 30	62.03	120.6	38.6,38.6
40	91.06	95.41	96.65	94.55	97.60	92.85	91.16	93.45	30- 40	68.01	188.6	60.3,60.3
50	60.10	64.01	65.35	63.40	66.74	62.47	61.07	62.94	40- 50	60.58	249.2	79.7,79.7
60	30.35	33.96	35.25	33.57	36.78	33.10	31.29	33.24	50- 60	43.03	292.2	93.5,93.5
70	3.379	6.603	7.876	6.397	9.303	5.930	4.342	6.126	60- 70	19.44	311.6	99.7,99.7
80	0	0	0	0	0	0	0	0	70- 80	0.9133	312.6	100,100
90	0	0	0	0	0	0	0	0	80- 90	0	312.6	100,100
100	0	0	0	0	0	0	0	0	90-100	0	312.6	100,100
110	0	0	0	0	0	0	0	0	100-110	0	312.6	100,100
120	0	0	0	0	0	0	0	0	110-120	0	312.6	100,100
130	0	0	0	0	0	0	0	0	120-130	0	312.6	100,100
140	0	0	0	0	0	0	0	0	130-140	0	312.6	100,100
150	0	0	0	0	0	0	0	0	140-150	0	312.6	100,100
160	0	0	0	0	0	0	0	0	150-160	0	312.6	100,100
170	0	0	0	0	0	0	0	0	160-170	0	312.6	100,100
180	0	0	0	0	0	0	0	0	170-180	0	312.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-11-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:8.859m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:12.018V I:0.8210A P:6.4109W PF:0.6497 Freq:50.00Hz Lamp Flux:312.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	0	0
80	0	0
75	0	0
70	5193	12127
65	25036	26355
60	31912	37134
55	41194	45942
50	49151	53547
45	56148	60318

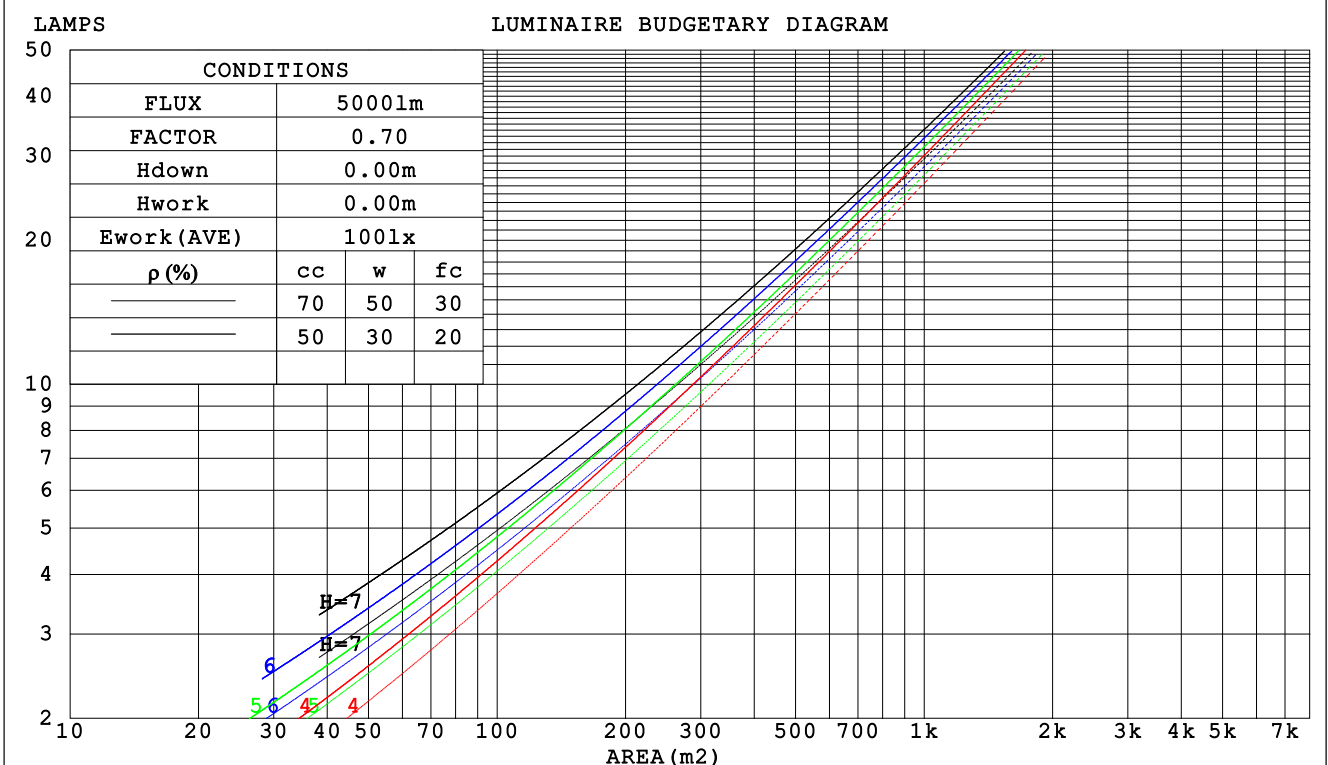
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:8.859m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.018V I:0.8210A P:6.4109W PF:0.6497 Freq:50.00Hz Lamp Flux:312.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0		
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0		
ρw	0																	
ρfc	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	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.89		
2.0	.97	.91	.87	.95	.90	.86	.92	.88	.84	.89	.85	.82	.86	.83	.80	.78		
3.0	.87	.80	.75	.86	.79	.74	.83	.77	.73	.80	.76	.72	.78	.74	.71	.69		
4.0	.78	.71	.65	.77	.70	.65	.75	.69	.64	.73	.67	.63	.71	.66	.62	.61		
5.0	.71	.63	.58	.70	.63	.57	.68	.62	.57	.66	.61	.56	.64	.59	.56	.54		
6.0	.65	.57	.51	.64	.56	.51	.62	.55	.51	.60	.55	.50	.59	.54	.50	.48		
7.0	.59	.51	.46	.58	.51	.46	.57	.50	.45	.56	.50	.45	.54	.49	.45	.43		
8.0	.54	.47	.41	.54	.46	.41	.52	.46	.41	.51	.45	.41	.50	.45	.41	.39		
9.0	.50	.43	.38	.50	.42	.38	.49	.42	.37	.48	.42	.37	.47	.41	.37	.35		
10.0	.47	.39	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32		



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:8.859m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:12.018V I:0.8210A P:6.4109W PF:0.6497 Freq:50.00Hz Lamp Flux:312.56x1 lm									
NAME:					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.:					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	.233	.133	.042	.226	.129	.041	.213	.122	.039	.202	.116	.037	.191	.111	.036	
2.0	.230	.126	.039	.224	.123	.038	.213	.118	.037	.203	.114	.036	.193	.109	.034	
3.0	.221	.118	.035	.216	.115	.035	.206	.112	.034	.197	.108	.033	.189	.104	.032	
4.0	.210	.109	.032	.205	.107	.032	.197	.104	.031	.189	.101	.031	.181	.098	.030	
5.0	.198	.101	.029	.194	.100	.029	.187	.097	.029	.179	.095	.028	.173	.092	.028	
6.0	.187	.094	.027	.184	.093	.027	.177	.091	.026	.170	.089	.026	.165	.087	.026	
7.0	.177	.087	.025	.174	.086	.025	.168	.085	.024	.162	.083	.024	.156	.081	.024	
8.0	.167	.082	.023	.164	.081	.023	.159	.079	.023	.154	.078	.022	.149	.076	.022	
9.0	.158	.077	.021	.156	.076	.021	.151	.075	.021	.146	.073	.021	.142	.072	.021	
10.0	.150	.072	.020	.148	.071	.020	.143	.070	.020	.139	.069	.020	.135	.068	.019	

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	.175	.157	.140	.150	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.132	.105	.140	.114	.091	.096	.079	.064	.056	.046	.037	.018	.015	.012	
3.0	.155	.114	.081	.133	.098	.070	.091	.068	.049	.053	.040	.029	.017	.013	.010	
4.0	.147	.100	.064	.126	.087	.056	.087	.060	.039	.050	.035	.023	.016	.011	.008	
5.0	.140	.089	.052	.120	.077	.045	.083	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.133	.081	.043	.115	.070	.037	.079	.049	.026	.046	.029	.016	.015	.009	.005	
7.0	.127	.074	.036	.109	.064	.032	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.121	.068	.031	.104	.059	.027	.072	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.116	.063	.027	.100	.055	.024	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.111	.059	.024	.095	.051	.021	.066	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:8.859m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:12.018V I:0.8210A P:6.4109W PF:0.6497 Freq:50.00Hz Lamp Flux:312.56x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.:				
MFR.:			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	29.4	30.7	29.6	30.9	31.0	29.8	31.1	30.0	31.3	31.5
3H	29.5	30.7	29.7	30.9	31.1	30.0	31.2	30.3	31.4	31.6
4H	29.4	30.5	29.7	30.7	31.0	29.9	31.0	30.2	31.3	31.5
6H	29.3	30.3	29.6	30.6	30.8	29.8	30.9	30.1	31.1	31.4
8H	29.2	30.2	29.5	30.5	30.8	29.8	30.8	30.1	31.0	31.3
12H	29.2	30.1	29.5	30.4	30.7	29.7	30.7	30.0	31.0	31.3
4H 2H	29.6	30.7	29.9	30.9	31.2	29.9	31.1	30.2	31.3	31.6
3H	29.7	30.7	30.0	30.9	31.2	30.2	31.1	30.5	31.4	31.7
4H	29.6	30.5	29.9	30.8	31.1	30.1	31.0	30.4	31.3	31.6
6H	29.5	30.3	29.9	30.6	31.0	30.0	30.8	30.4	31.1	31.5
8H	29.4	30.2	29.9	30.5	30.9	29.9	30.6	30.3	31.0	31.4
12H	29.4	30.0	29.8	30.4	30.8	29.9	30.5	30.3	30.9	31.3
8H 4H	29.5	30.2	29.9	30.5	30.9	29.9	30.7	30.4	31.0	31.4
6H	29.4	30.0	29.8	30.4	30.8	29.9	30.4	30.3	30.8	31.3
8H	29.3	29.8	29.8	30.3	30.7	29.8	30.3	30.3	30.7	31.2
12H	29.3	29.7	29.8	30.2	30.6	29.8	30.2	30.2	30.6	31.1
12H 4H	29.4	30.1	29.8	30.4	30.8	29.9	30.5	30.3	30.9	31.3
6H	29.3	29.8	29.8	30.3	30.7	29.8	30.3	30.3	30.7	31.2
8H	29.3	29.7	29.8	30.2	30.6	29.8	30.2	30.2	30.6	31.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 1.2					+ 0.7 / - 1.0				
1.5H	+ 0.3 / - 0.4					+ 0.3 / - 0.5				
2.0H	+ 1.3 / - 1.8					+ 1.2 / - 1.7				

CIE Pub.117, 312.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.0)  
 Area: 0.0019 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:8.859m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:12.018V I:0.8210A P:6.4109W PF:0.6497 Freq:50.00Hz Lamp Flux:312.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

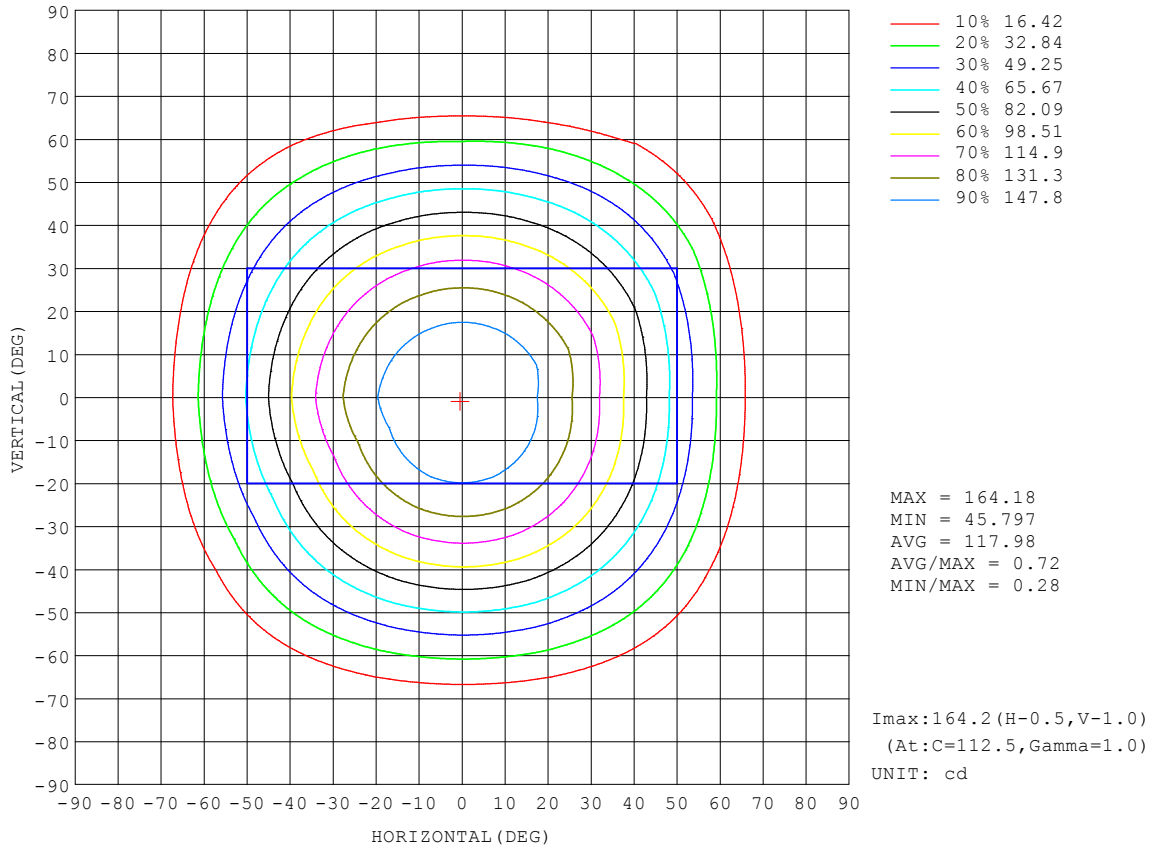
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	66	56	50	65	56	50	64	55	50	44
0.80	76	67	61	76	66	60	74	66	60	54
1.00	85	76	70	84	75	70	82	76	69	63
1.25	91	83	78	90	82	77	88	81	76	70
1.50	96	88	83	94	87	82	92	86	81	75
2.00	101	95	90	100	94	89	97	92	88	81
2.50	104	99	94	103	97	93	99	95	91	84
3.00	107	102	98	105	100	97	101	98	94	87
4.00	110	106	102	108	104	101	104	101	98	90
5.00	112	108	105	109	106	104	105	103	100	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-11-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:8.859m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:12.018V I:0.8210A P:6.4109W PF:0.6497 Freq:50.00Hz Lamp Flux:312.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



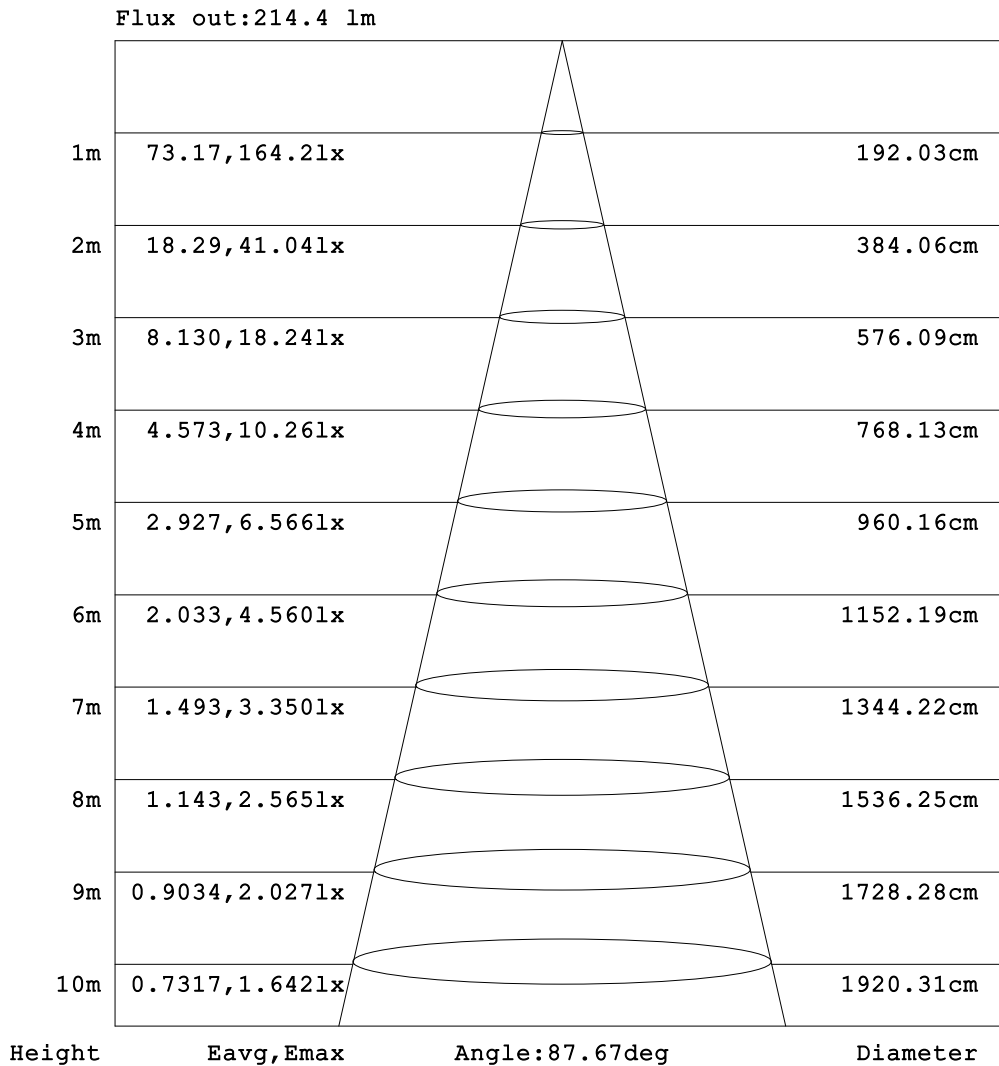
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:8.859m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:12.018V I:0.8210A P:6.4109W PF:0.6497 Freq:50.00Hz Lamp Flux:312.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



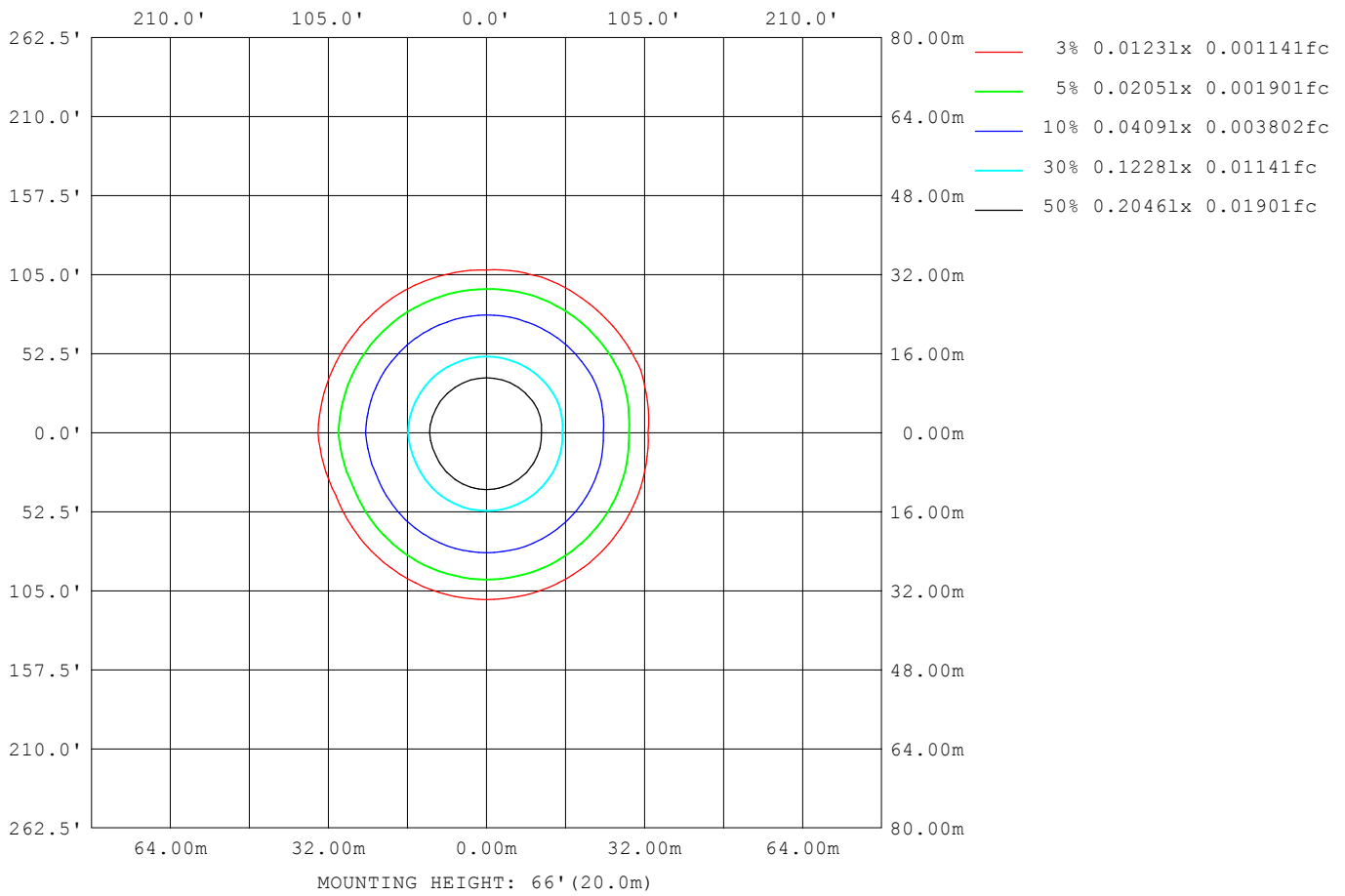
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:8.859m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:12.018V I:0.8210A P:6.4109W PF:0.6497 Freq:50.00Hz Lamp Flux:312.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-11-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:8.859m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:12.018V I:0.8210A P:6.4109W PF:0.6497 Freq:50.00Hz Lamp Flux:312.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

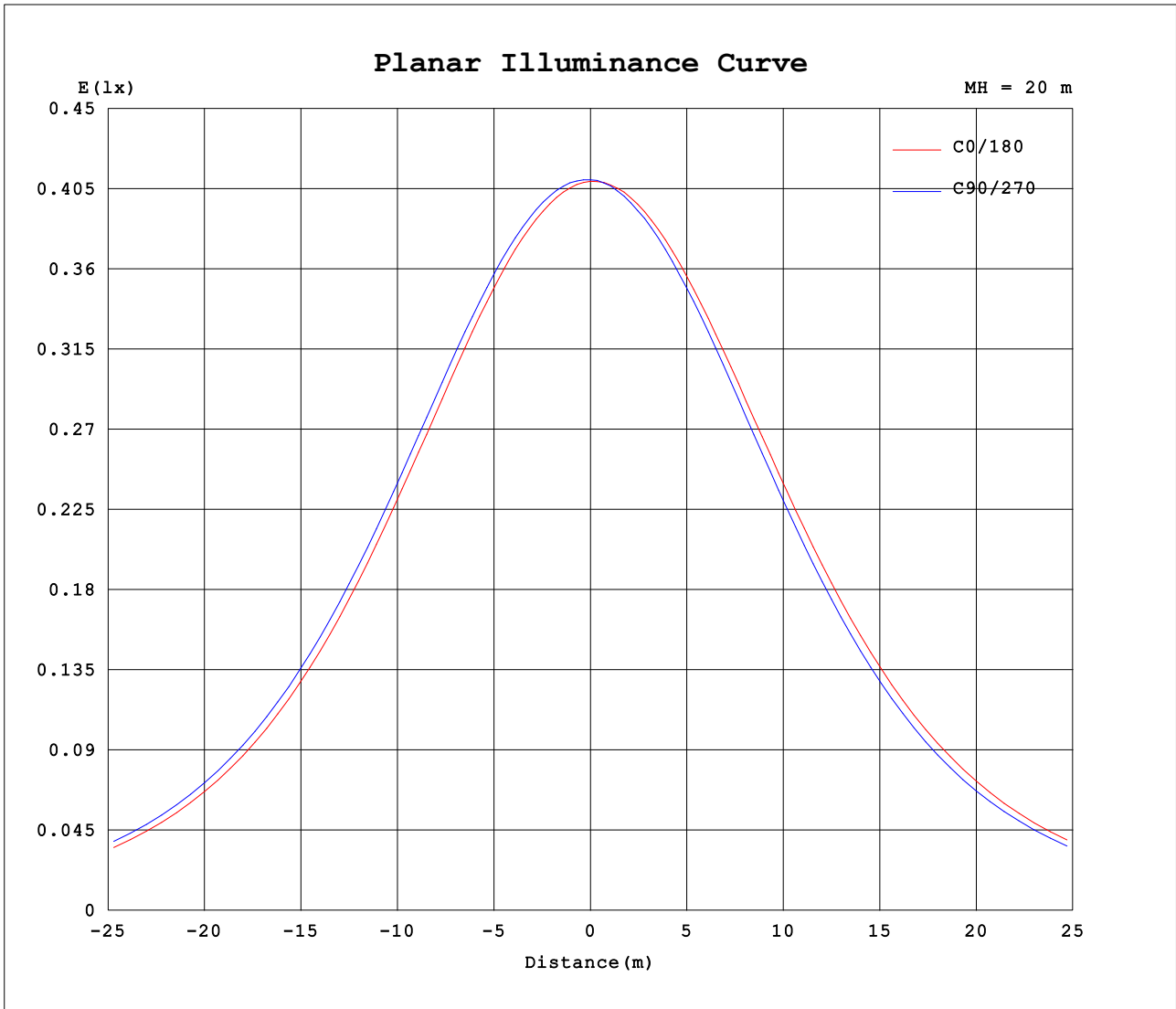
AvgL	cd/m2
L_0~180 (65) av	26658
L_0~180 (75) av	0
L_0~180 (85) av	0
L_90~270 (65) av	24027
L_90~270 (75) av	0
L_90~270 (85) av	0
L_45 (65) av	25404
L_45 (75) av	0
L_45 (85) av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:8.859m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity: 65.0%  
 Test Distance: 8.859m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.018V I:0.8210A P:6.4109W PF:0.6497 Freq:50.00Hz Lamp Flux:312.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164			
5	162	163	163	163	163	163	163	163	163	163	162	162	162	162	162	163			
10	158	159	160	160	160	160	160	159	160	159	159	158	158	158	159	159			
15	152	153	154	155	155	155	154	153	155	154	152	152	152	152	153	154			
20	143	145	146	147	147	147	146	145	147	145	144	143	143	143	144	146			
25	133	135	136	137	138	137	136	134	138	135	134	132	132	133	134	136			
30	120	123	124	126	125	125	124	122	126	123	121	120	120	120	122	124			
35	106	109	111	112	112	111	110	108	112	110	108	106	106	107	108	110			
40	91.1	93.6	95.4	96.7	96.6	96.0	94.6	92.8	97.6	95.1	92.9	91.3	91.2	91.7	93.4	95.5			
45	75.5	78.1	79.7	81.1	81.0	80.3	78.9	77.1	82.3	79.8	77.6	76.2	75.9	76.6	78.3	80.2			
50	60.1	62.5	64.0	65.4	65.4	64.7	63.4	61.7	66.7	64.4	62.5	61.0	61.1	61.4	62.9	64.7			
55	44.9	47.1	48.7	49.9	50.0	49.4	48.2	46.4	51.5	49.4	47.6	46.2	46.2	46.8	48.4	49.6			
60	30.4	32.5	34.0	35.2	35.3	34.8	33.6	31.8	36.8	34.7	33.1	32.5	31.3	32.8	33.2	34.9			
65	20.1	18.4	19.9	21.1	21.1	20.8	19.5	18.0	22.7	20.7	22.6	17.9	17.4	17.8	19.5	20.8			
70	3.38	5.21	6.60	7.70	7.88	7.51	6.40	4.92	9.30	7.47	5.93	6.11	4.34	5.90	6.13	7.46			
75	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			
80	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			
85	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			
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			
95	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			
100	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			
105	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			
110	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			
115	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			
120	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			
125	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			
130	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			
135	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			
140	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			
145	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			
150	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			
155	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			
160	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			
165	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			
170	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			
175	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			
180	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			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:8.859m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

G/C	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	163.9	163.9	163.9	163.9	163.9	163.9	163.9	163.9	163.9	163.9
3.0	163.0	163.4	163.5	163.7	163.9	163.7	163.7	163.4	163.7	163.6
6.0	161.5	162.2	162.4	162.9	163.0	162.9	162.6	162.0	162.8	162.2
9.0	159.1	160.0	160.5	161.1	161.2	161.1	160.7	160.0	161.0	160.2
12.0	155.9	157.0	157.7	158.4	158.6	158.5	157.7	156.9	158.3	157.2
15.0	151.8	153.2	154.1	155.0	155.1	154.9	154.1	153.0	154.9	153.5
18.0	147.0	148.6	149.7	150.7	150.9	150.5	149.7	148.3	150.6	149.0
21.0	141.3	143.3	144.5	145.6	145.7	145.3	144.4	142.9	145.5	143.7
24.0	135.1	137.2	138.6	139.7	139.7	139.3	138.2	136.6	139.7	137.7
27.0	128.0	130.3	131.8	133.0	132.9	132.5	131.2	129.5	133.1	130.9
30.0	120.3	122.6	124.5	125.5	125.4	124.9	123.6	121.9	125.9	123.5
33.0	112.0	114.5	116.2	117.5	117.4	116.8	115.4	113.7	117.9	115.5
36.0	103.3	105.8	107.6	108.9	108.8	108.2	106.7	104.9	109.6	106.9
39.0	94.16	96.76	98.43	99.80	99.75	99.05	97.63	95.86	100.6	98.14
42.0	84.89	87.41	89.18	90.46	90.39	89.79	88.38	86.57	91.48	88.92
45.0	75.53	78.08	79.70	81.13	80.98	80.34	78.95	77.14	82.30	79.80
48.0	66.23	68.67	70.27	71.69	71.59	70.93	69.50	67.84	72.91	70.51
51.0	56.98	59.28	60.86	62.33	62.21	61.61	60.31	58.55	63.66	61.34
54.0	47.93	50.16	51.75	53.03	53.03	52.43	51.17	49.43	54.52	52.28
57.0	39.06	41.22	42.78	43.95	44.06	43.51	42.27	40.49	45.56	43.45
60.0	30.35	32.51	33.96	35.16	35.25	34.78	33.57	31.85	36.78	34.74
63.0	22.06	24.11	25.43	26.63	26.76	26.31	25.06	23.47	28.23	26.25
66.0	15.82	15.76	17.17	18.34	18.46	18.04	16.86	15.29	19.95	18.02
69.0	5.895	7.822	9.197	10.33	10.45	10.10	8.932	7.470	11.89	10.05
72.0	0.0097	0.1702	1.534	2.630	2.796	2.445	1.365	0	4.178	2.392
75.0	0	0	0	0	0	0	0	0	0	0
78.0	0	0	0	0	0	0	0	0	0	0
81.0	0	0	0	0	0	0	0	0	0	0
84.0	0	0	0	0	0	0	0	0	0	0
87.0	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
93.0	0	0	0	0	0	0	0	0	0	0
96.0	0	0	0	0	0	0	0	0	0	0
99.0	0	0	0	0	0	0	0	0	0	0
102.0	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
108.0	0	0	0	0	0	0	0	0	0	0
111.0	0	0	0	0	0	0	0	0	0	0
114.0	0	0	0	0	0	0	0	0	0	0
117.0	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
123.0	0	0	0	0	0	0	0	0	0	0
126.0	0	0	0	0	0	0	0	0	0	0
129.0	0	0	0	0	0	0	0	0	0	0
132.0	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
138.0	0	0	0	0	0	0	0	0	0	0
141.0	0	0	0	0	0	0	0	0	0	0
144.0	0	0	0	0	0	0	0	0	0	0
147.0	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
153.0	0	0	0	0	0	0	0	0	0	0
156.0	0	0	0	0	0	0	0	0	0	0
159.0	0	0	0	0	0	0	0	0	0	0
162.0	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
168.0	0	0	0	0	0	0	0	0	0	0
171.0	0	0	0	0	0	0	0	0	0	0
174.0	0	0	0	0	0	0	0	0	0	0
177.0	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	163.9	163.9	163.9	163.9	163.9	163.9				
3.0	163.2	163.1	163.2	163.1	163.3	163.5				
6.0	161.9	161.4	161.3	161.5	161.9	162.3				
9.0	159.5	159.0	159.0	159.1	159.6	160.3				
12.0	156.3	155.7	155.6	155.8	156.5	157.2				
15.0	152.4	151.7	151.5	151.6	152.7	153.5				
18.0	147.6	146.8	146.6	146.9	147.9	149.1				
21.0	142.1	141.2	140.9	141.2	142.5	143.9				
24.0	135.9	134.9	134.5	134.9	136.3	137.9				
27.0	129.0	127.8	127.4	127.9	129.4	131.3				
30.0	121.4	120.1	119.8	120.3	121.8	124.0				

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity: 65.0%  
 Test Distance: 8.859m [K=1.0000]  
 Remarks:

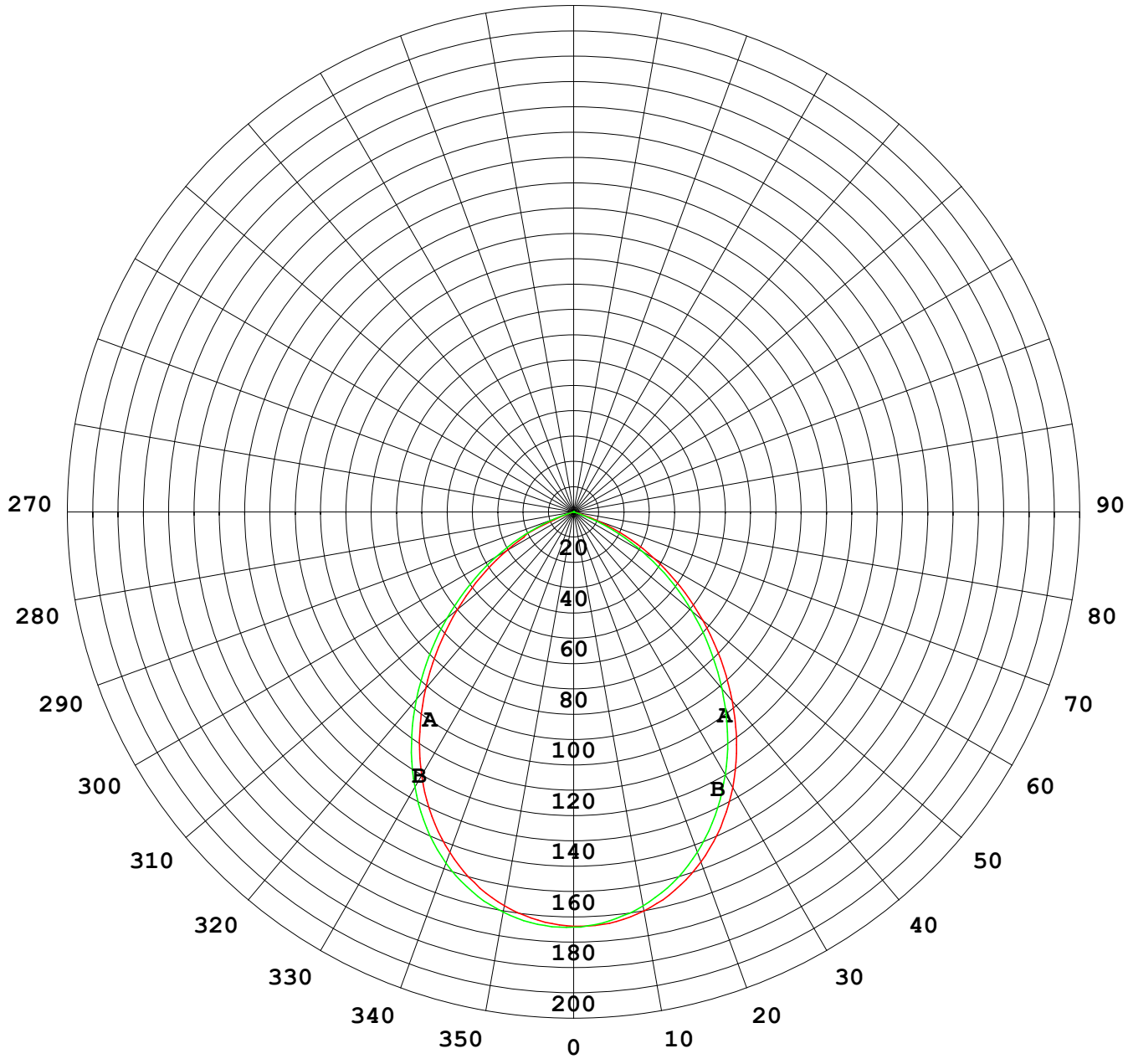
Photometric Data Table [cd]

33.0	113.3	111.9	111.7	112.1	113.8	115.9
36.0	104.8	103.3	103.0	103.6	105.3	107.4
39.0	95.92	94.43	94.10	94.71	96.43	98.54
42.0	86.81	85.28	85.05	85.68	87.39	89.39
45.0	77.60	76.20	75.90	76.56	78.27	80.16
48.0	68.50	67.09	67.05	67.43	69.09	70.88
51.0	59.46	58.04	58.07	58.45	59.86	61.67
54.0	50.51	49.17	49.05	49.59	50.90	52.64
57.0	41.82	40.43	40.06	43.40	42.53	43.62
60.0	33.10	32.53	31.29	32.80	33.24	34.90
63.0	25.00	23.59	22.91	23.84	24.83	26.36
66.0	17.56	15.11	14.78	15.12	17.30	18.08
69.0	8.495	7.212	6.859	7.262	9.955	10.03
72.0	0.9427	0.3114	0	0.8071	0.9669	2.324
75.0	0	0	0	0	0	0
78.0	0	0	0	0	0	0
81.0	0	0	0	0	0	0
84.0	0	0	0	0	0	0
87.0	0	0	0	0	0	0
90.0	0	0	0	0	0	0
93.0	0	0	0	0	0	0
96.0	0	0	0	0	0	0
99.0	0	0	0	0	0	0
102.0	0	0	0	0	0	0
105.0	0	0	0	0	0	0
108.0	0	0	0	0	0	0
111.0	0	0	0	0	0	0
114.0	0	0	0	0	0	0
117.0	0	0	0	0	0	0
120.0	0	0	0	0	0	0
123.0	0	0	0	0	0	0
126.0	0	0	0	0	0	0
129.0	0	0	0	0	0	0
132.0	0	0	0	0	0	0
135.0	0	0	0	0	0	0
138.0	0	0	0	0	0	0
141.0	0	0	0	0	0	0
144.0	0	0	0	0	0	0
147.0	0	0	0	0	0	0
150.0	0	0	0	0	0	0
153.0	0	0	0	0	0	0
156.0	0	0	0	0	0	0
159.0	0	0	0	0	0	0
162.0	0	0	0	0	0	0
165.0	0	0	0	0	0	0
168.0	0	0	0	0	0	0
171.0	0	0	0	0	0	0
174.0	0	0	0	0	0	0
177.0	0	0	0	0	0	0
180.0	0	0	0	0	0	0

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:8.859m [K=1.0000]  
 Remarks:

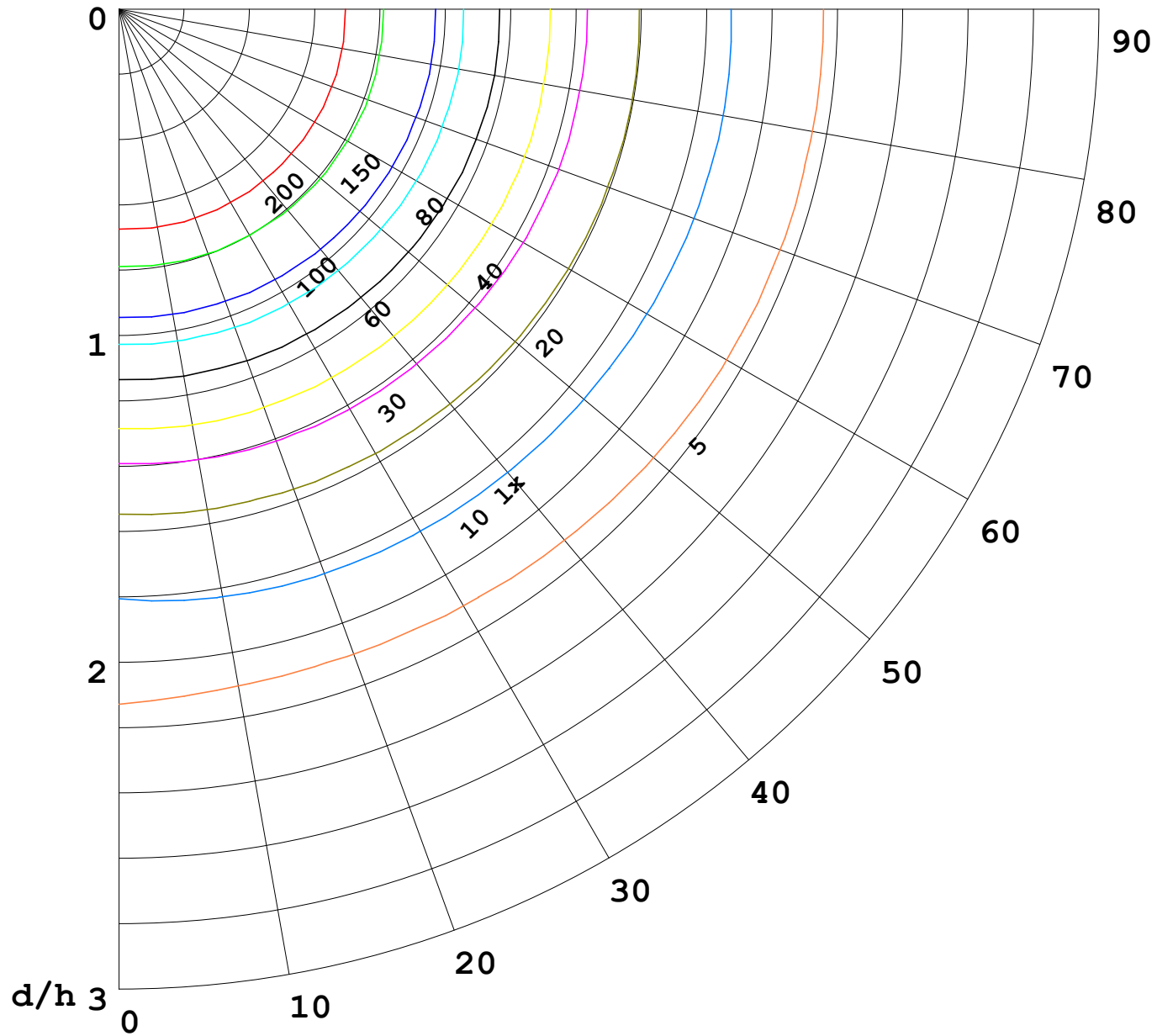
I (cd)





1000 lm

$K = 1$



F = 5000 lm  
 K = 0.7  
 Hcc = 0.0 m  
 Hfc = 0.0 m  
 Eave = 100 lx

	Pcc	Pw	Pfc
—	70	50	30
—	50	30	20

