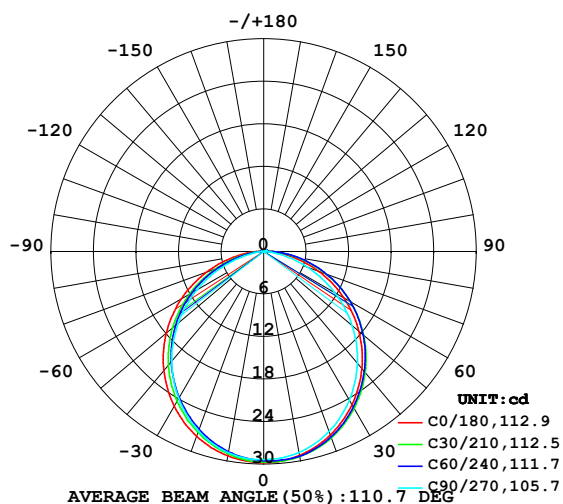


LUMINAIRE PHOTOMETRIC TEST REPORT

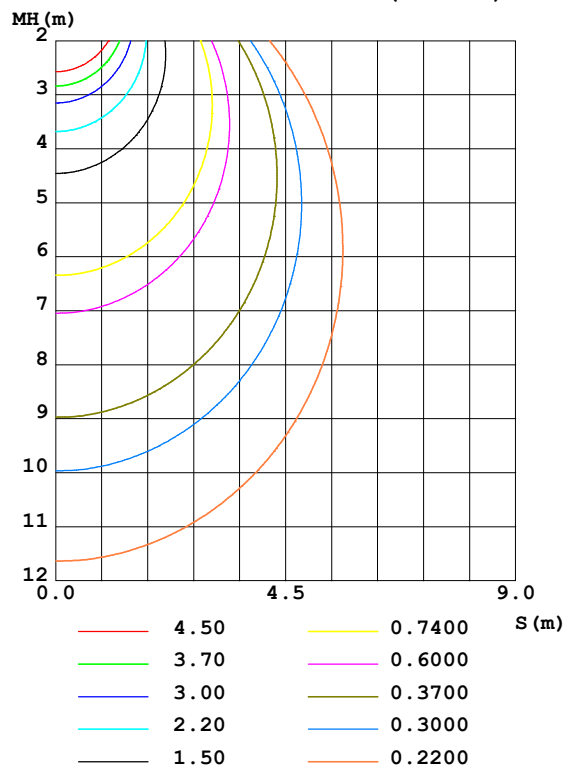
Test:U:12.00V I:0.3946A P:4.735W PF:1.000 Freq:50.00Hz Lamp Flux:84.8612x1 lm		
NAME: SF15-12V-3528-72-3500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122206
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 17.92 lm/W			
MODEL	3528	I _{max} (cd)	29.78	S/MH (C0/180)	1.26
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	84.861	η UP, DN (C0-180)	0.8, 47.9
NOMINAL FLUX (lm)	84.8612	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 50.7
LAMPS INSIDE	1	η up (%)	1.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	12	η down (%)	98.6	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [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	29.21	29.35	28.81	28.17	29.27	28.83	28.82	29.37	0- 10	2.791	2.791	3.29,3.29
20	27.53	27.90	27.00	25.97	27.73	26.91	26.92	28.20	10- 20	7.969	10.76	12.7,12.7
30	24.94	25.43	24.20	22.93	25.23	24.13	23.96	26.02	20- 30	12.00	22.76	26.8,26.8
40	21.55	22.19	20.59	19.23	21.94	20.62	20.17	23.10	30- 40	14.38	37.14	43.8,43.8
50	17.54	18.37	16.30	14.97	17.93	16.51	15.77	19.63	40- 50	14.87	52.01	61.3,61.3
60	13.06	14.08	11.56	10.33	13.44	11.91	10.92	15.49	50- 60	13.41	65.41	77.1,77.1
70	8.317	9.423	6.659	5.556	8.614	7.056	5.900	10.93	60- 70	10.23	75.65	89.1,89.1
80	3.723	4.752	2.152	1.654	3.936	2.558	1.461	6.174	70- 80	5.955	81.60	96.2,96.2
90	0.9112	1.134	0.2634	0.4978	0.8729	0.4269	0.1220	1.913	80- 90	2.082	83.68	98.6,98.6
100	0.3614	0.4133	0.2966	0.4560	0.2996	0.2995	0.1413	0.3426	90-100	0.5412	84.23	99.3,99.3
110	0.3568	0.3933	0.3453	0.4531	0.1634	0.2426	0.1979	0.2847	100-110	0.3436	84.57	99.7,99.7
120	0.0806	0.2410	0.1468	0.4724	0.0272	0.1860	0.0453	0.1704	110-120	0.2801	84.85	100,100
130	0	0	0	0	0	0	0	0	120-130	0.0115	84.86	100,100
140	0	0	0	0	0	0	0	0	130-140	0	84.86	100,100
150	0	0	0	0	0	0	0	0	140-150	0	84.86	100,100
160	0	0	0	0	0	0	0	0	150-160	0	84.86	100,100
170	0	0	0	0	0	0	0	0	160-170	0	84.86	100,100
180	0	0	0	0	0	0	0	0	170-180	0	84.86	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 44.634 lm

%lum = 52.6%

%lamp = 52.6%

Conical surface Flux(120deg): 65.415 lm

%lum = 77.1%

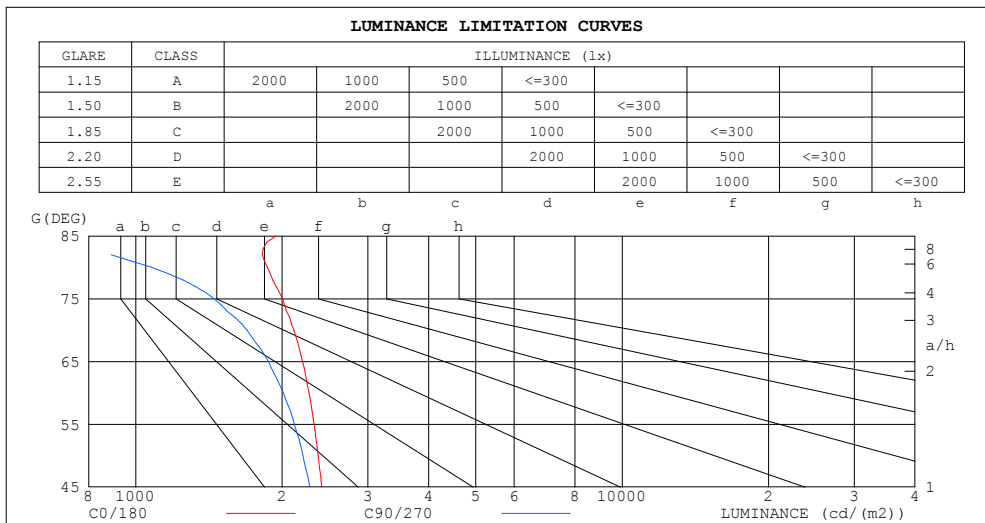
%lamp = 77.1%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:12.00V I:0.3946A P:4.735W PF:1.000 Freq:50.00Hz Lamp Flux:84.8612x1 lm		
NAME: SF15-12V-3528-72-3500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122206
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1944	480
80	1864	1078
75	2001	1448
70	2115	1693
65	2203	1872
60	2271	2011
55	2326	2117
50	2373	2205
45	2411	2280

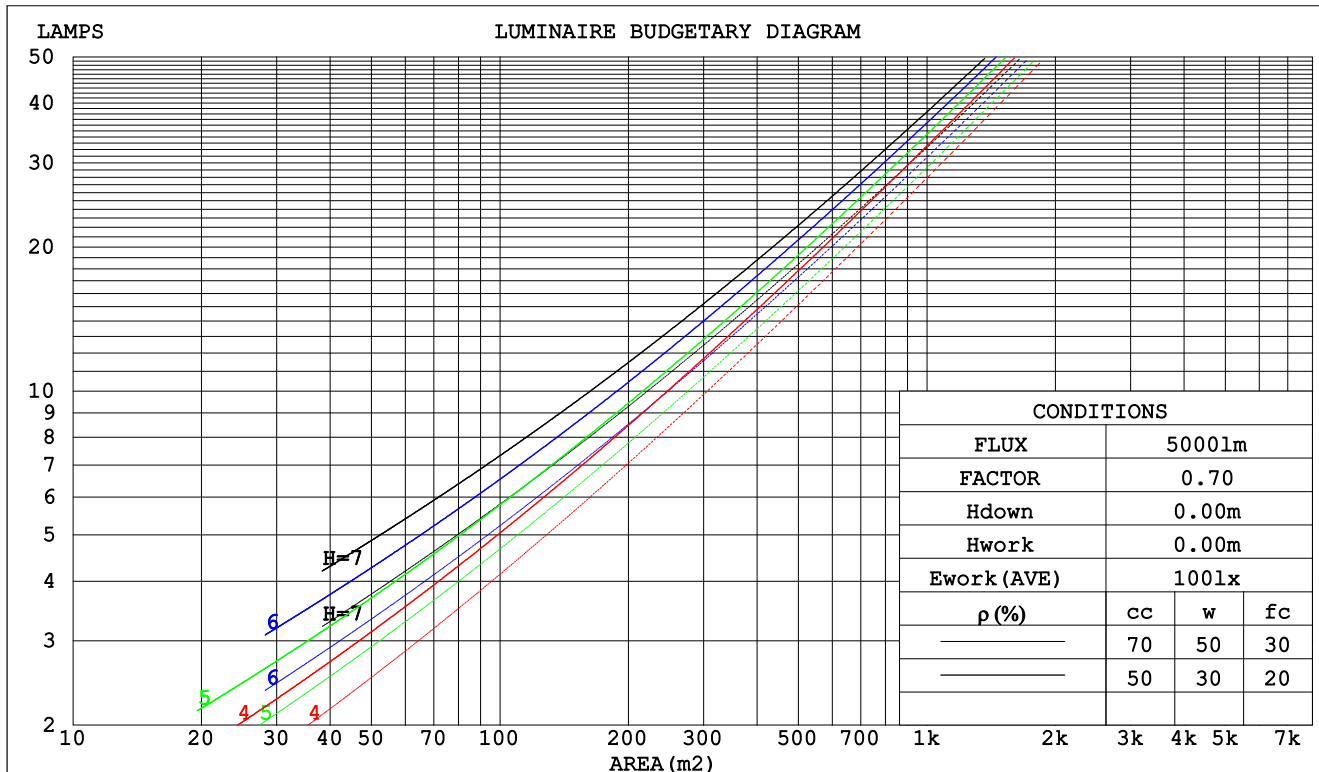
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.00V I:0.3946A P:4.735W PF:1.000 Freq:50.00Hz Lamp Flux:84.8612x1 lm		
NAME: SF15-12V-3528-72-3500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122206
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.77	.74	.70	.68
3.0	.79	.71	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:12.00V I:0.3946A P:4.735W PF:1.000 Freq:50.00Hz Lamp Flux:84.8612x1 lm		
NAME: SF15-12V-3528-72-3500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122206
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)										
0.0																	
1.0	.315	.179	.057	.308	.176	.056	.294	.169	.054	.281	.162	.052	.269	.156	.050		
2.0	.294	.161	.049	.287	.158	.049	.275	.153	.047	.264	.148	.046	.253	.143	.045		
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.244	.134	.041	.235	.130	.040		
4.0	.250	.130	.038	.245	.128	.038	.235	.124	.037	.226	.121	.037	.217	.118	.036		
5.0	.231	.118	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.108	.032		
6.0	.214	.107	.031	.210	.106	.030	.202	.103	.030	.194	.101	.030	.188	.099	.029		
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.175	.091	.027		
8.0	.186	.091	.025	.182	.090	.025	.176	.088	.025	.170	.086	.025	.165	.084	.025		
9.0	.174	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023		
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.074	.021		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.201	.201	.201	.172	.172	.172	.117	.117	.117	.067	.067	.067	.022	.022	.022	
1.0	.191	.167	.145	.164	.143	.124	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.143	.108	.157	.123	.094	.108	.085	.065	.062	.049	.038	.020	.016	.012	
3.0	.175	.125	.085	.150	.108	.074	.103	.075	.052	.060	.044	.030	.019	.014	.010	
4.0	.168	.112	.069	.144	.097	.060	.099	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.160	.101	.058	.138	.088	.050	.095	.061	.036	.055	.036	.021	.018	.012	.007	
6.0	.153	.093	.050	.132	.081	.044	.091	.056	.031	.053	.033	.018	.017	.011	.006	
7.0	.146	.086	.044	.126	.075	.038	.087	.052	.027	.051	.031	.016	.016	.010	.005	
8.0	.140	.080	.040	.120	.070	.035	.083	.049	.025	.048	.029	.015	.016	.009	.005	
9.0	.134	.076	.036	.115	.066	.032	.080	.046	.022	.047	.027	.013	.015	.009	.004	
10.0	.128	.071	.033	.110	.062	.029	.077	.044	.021	.045	.026	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:12.00V I:0.3946A P:4.735W PF:1.000 Freq:50.00Hz Lamp Flux:84.8612x1 lm										
NAME: SF15-12V-3528-72-3500-80					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 21mm*11.5mm			SERIAL No.:2021122206		
MFR.: OLYMPIA					SUR.:1*0.0115			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	24.6	26.1	24.9	26.3	26.6	24.3	25.8	24.6	26.1	26.3
3H	26.2	27.6	26.5	27.8	28.1	25.7	27.1	26.1	27.4	27.7
4H	26.8	28.2	27.2	28.4	28.7	26.2	27.6	26.6	27.8	28.1
6H	27.3	28.6	27.7	28.9	29.2	26.5	27.8	26.9	28.1	28.4
8H	27.5	28.7	27.9	29.0	29.3	26.6	27.8	26.9	28.1	28.4
12H	27.6	28.8	28.0	29.1	29.4	26.6	27.7	26.9	28.0	28.4
4H 2H	25.3	26.6	25.7	26.9	27.2	25.1	26.5	25.5	26.7	27.0
3H	27.1	28.3	27.5	28.6	28.9	26.8	28.0	27.2	28.3	28.6
4H	27.9	29.0	28.3	29.3	29.7	27.5	28.6	27.9	28.9	29.3
6H	28.6	29.5	29.0	29.9	30.3	28.0	28.9	28.4	29.3	29.7
8H	28.8	29.7	29.2	30.1	30.5	28.1	29.0	28.5	29.3	29.8
12H	29.0	29.8	29.4	30.2	30.6	28.1	28.9	28.6	29.3	29.8
8H 4H	28.3	29.2	28.7	29.6	30.0	28.0	28.8	28.4	29.2	29.6
6H	29.2	29.9	29.6	30.3	30.8	28.7	29.4	29.2	29.9	30.3
8H	29.5	30.2	30.0	30.6	31.1	29.0	29.6	29.4	30.1	30.5
12H	29.8	30.4	30.3	30.8	31.4	29.1	29.7	29.6	30.1	30.6
12H 4H	28.3	29.2	28.8	29.6	30.0	28.0	28.8	28.5	29.2	29.7
6H	29.3	29.9	29.8	30.4	30.8	28.8	29.5	29.3	29.9	30.4
8H	29.7	30.2	30.2	30.7	31.2	29.2	29.7	29.7	30.2	30.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.5				

CIE Pub.117, 84.86 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -8.6)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:12.00V I:0.3946A P:4.735W PF:1.000 Freq:50.00Hz Lamp Flux:84.8612x1 lm		
NAME: SF15-12V-3528-72-3500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122206
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

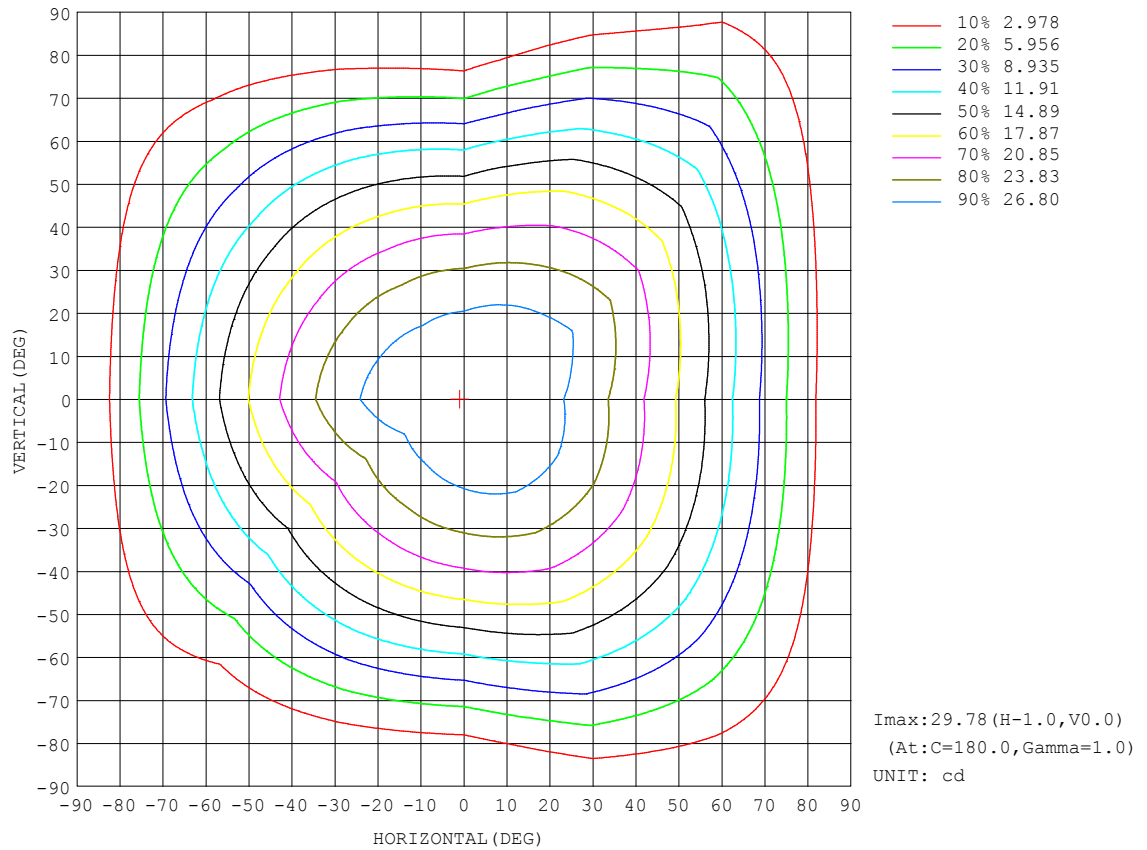
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	82	74	68	61
2.00	94	85	79	92	84	78	89	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	88	95	90	85	76
4.00	106	100	95	103	98	93	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:12.00V I:0.3946A P:4.735W PF:1.000 Freq:50.00Hz Lamp Flux:84.8612x1 lm		
NAME: SF15-12V-3528-72-3500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122206
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

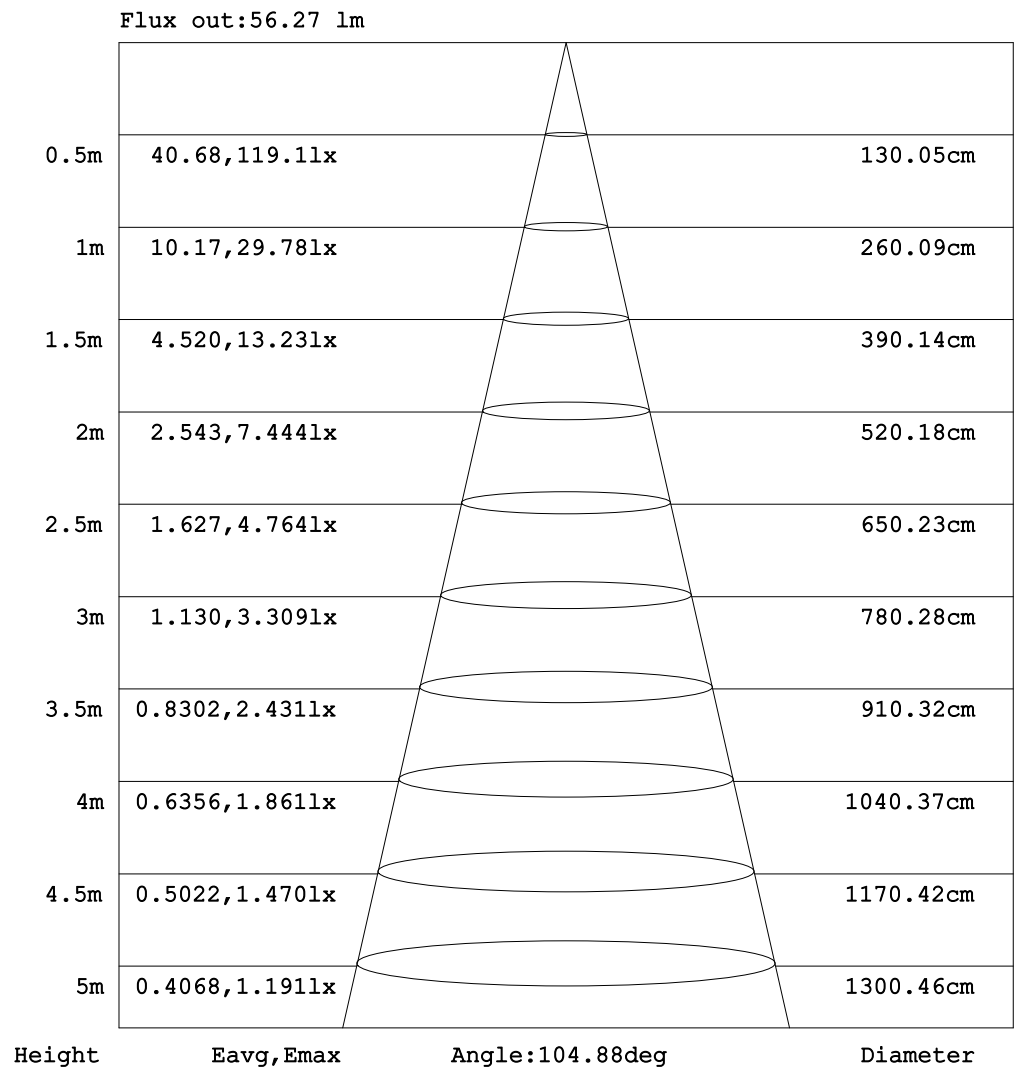


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

AAI Figure

Test:U:12.00V I:0.3946A P:4.735W PF:1.000 Freq:50.00Hz Lamp Flux:84.8612x1 lm		
NAME: SF15-12V-3528-72-3500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122206
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



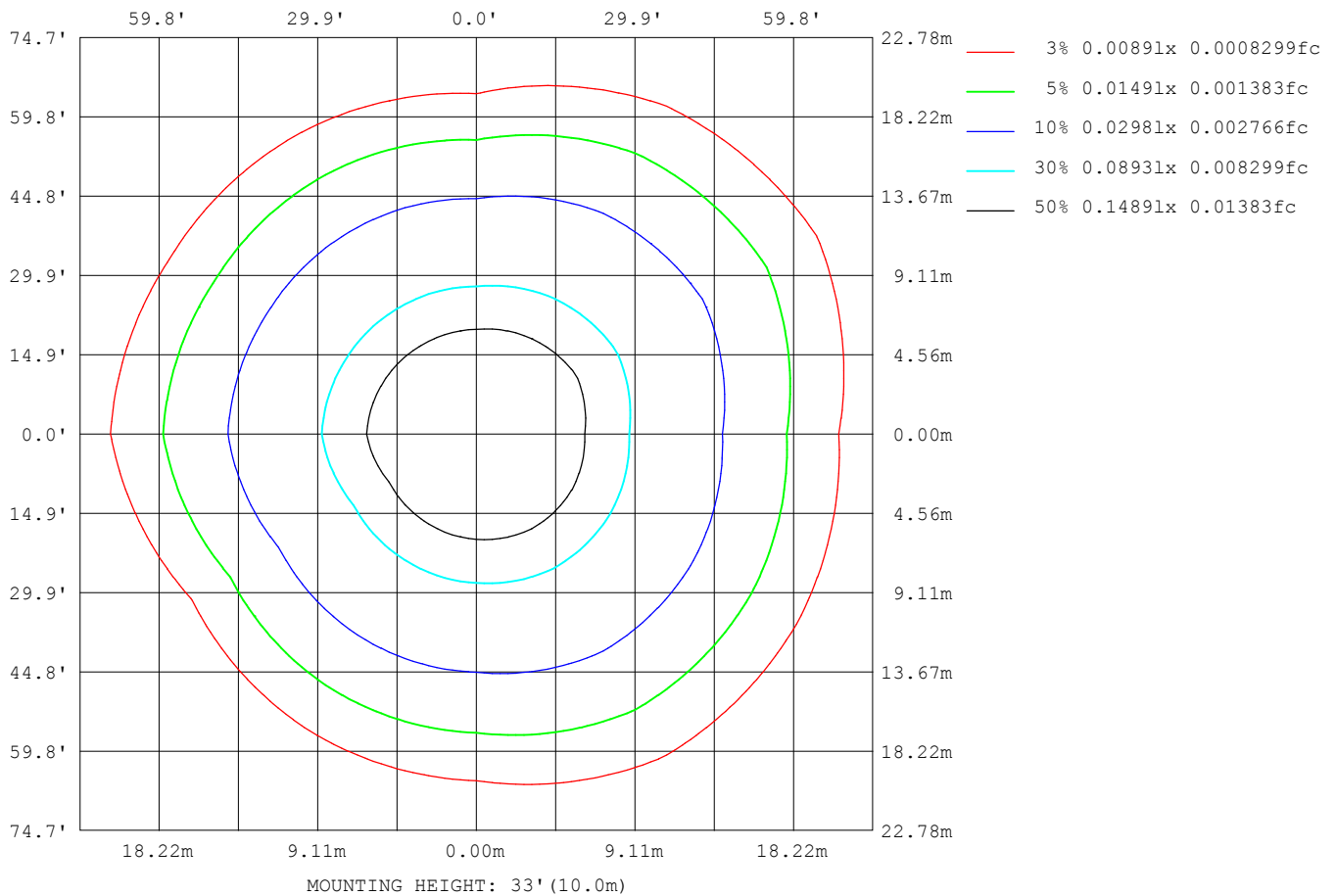
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:12.00V I:0.3946A P:4.735W PF:1.000 Freq:50.00Hz Lamp Flux:84.8612x1 lm		
NAME: SF15-12V-3528-72-3500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122206
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:12.00V I:0.3946A P:4.735W PF:1.000 Freq:50.00Hz Lamp Flux:84.8612x1 lm		
NAME: SF15-12V-3528-72-3500-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122206
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

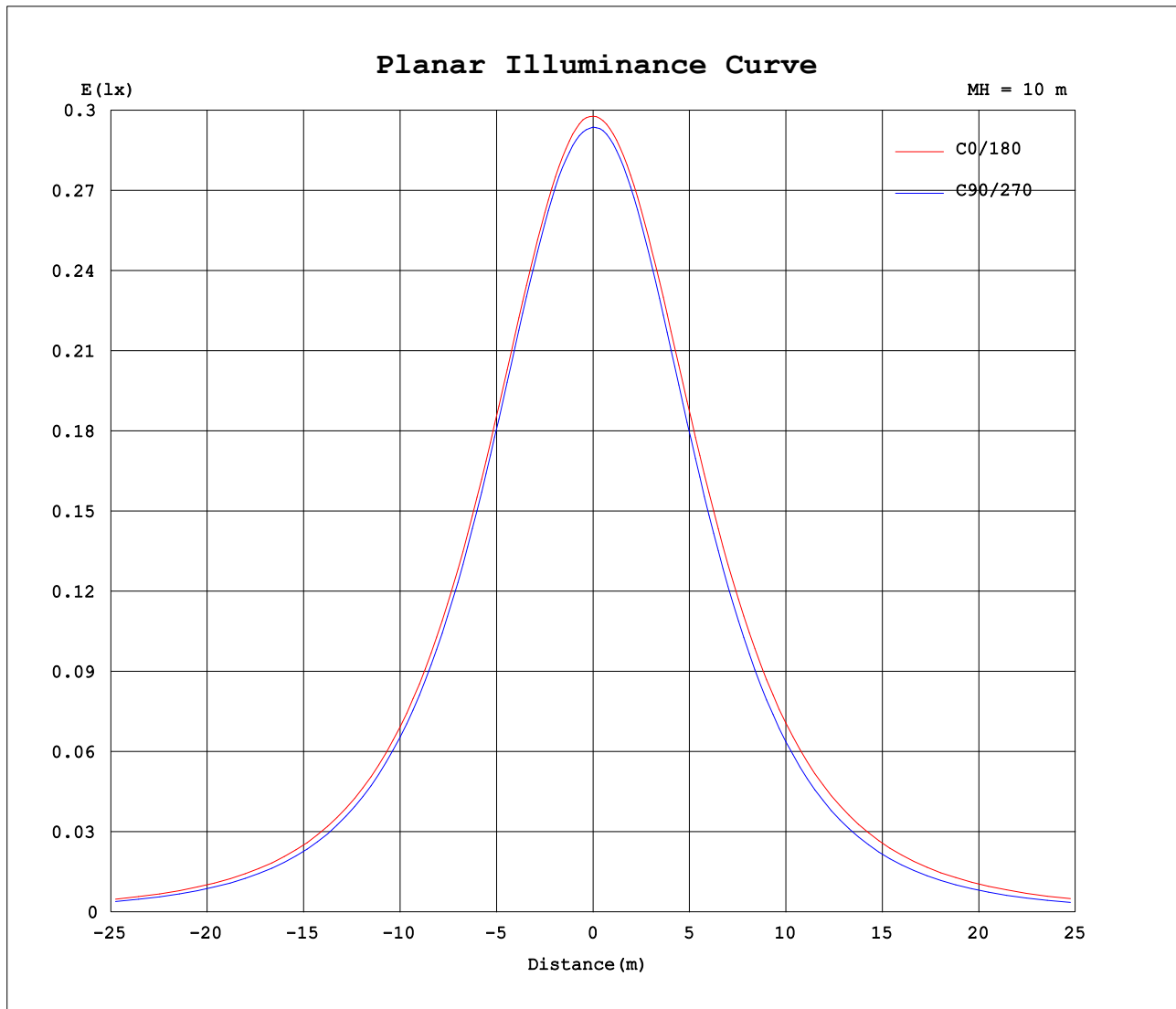
AvgL	cd/m2
L_0~180 (65) av	2238
L_0~180 (75) av	2042
L_0~180 (85) av	2021
L_90~270 (65) av	1799
L_90~270 (75) av	1317
L_90~270 (85) av	348
L_45 (65) av	2204
L_45 (75) av	2026
L_45 (85) av	2173

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.00V I:0.3946A P:4.735W PF:1.000 Freq:50.00Hz Lamp Flux:84.8612x1 lm		
NAME: SF15-12V-3528-72-3500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122206
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	29.8	29.7	29.5	29.4	29.3	29.3	29.8	29.7	29.5	29.4	29.3	29.3							
5	29.7	29.7	29.5	29.2	29.0	28.8	29.7	29.5	29.2	29.3	29.4	29.5							
10	29.2	29.4	29.3	28.8	28.3	28.0	29.3	29.0	28.7	28.8	29.2	29.5							
15	28.5	28.8	28.7	28.0	27.4	27.0	28.6	28.2	27.8	28.0	28.7	29.2							
20	27.5	28.0	27.8	27.0	26.2	25.8	27.7	27.1	26.7	26.9	27.8	28.6							
25	26.4	26.9	26.7	25.7	24.8	24.3	26.6	25.9	25.3	25.6	26.7	27.7							
30	24.9	25.5	25.3	24.2	23.2	22.7	25.2	24.4	23.8	24.0	25.3	26.7							
35	23.3	24.0	23.8	22.5	21.5	20.8	23.7	22.7	22.1	22.2	23.8	25.4							
40	21.6	22.3	22.1	20.6	19.6	18.9	21.9	20.9	20.3	20.2	22.3	23.9							
45	19.6	20.4	20.3	18.5	17.6	16.7	20.0	18.9	18.3	18.0	20.6	22.2							
50	17.5	18.4	18.3	16.3	15.4	14.5	17.9	16.8	16.2	15.8	18.8	20.4							
55	15.3	16.3	16.3	14.0	13.2	12.2	15.7	14.5	14.0	13.3	16.8	18.4							
60	13.1	14.0	14.1	11.6	10.9	9.81	13.4	12.1	11.7	10.9	14.7	16.3							
65	10.7	11.7	11.8	9.10	8.45	7.37	11.0	9.72	9.28	8.39	12.4	14.1							
70	8.32	9.35	9.50	6.66	6.09	5.03	8.61	7.26	6.85	5.90	10.1	11.7							
75	5.96	6.96	7.15	4.31	3.82	2.94	6.20	4.89	4.48	3.53	7.74	9.36							
80	3.72	4.63	4.87	2.15	1.88	1.43	3.94	2.78	2.34	1.46	5.38	6.96							
85	1.95	2.54	2.75	0.48	0.73	0.61	2.10	1.28	0.83	0.22	3.15	4.66							
90	0.91	1.14	1.13	0.26	0.48	0.51	0.87	0.49	0.36	0.12	1.28	2.55							
95	0.44	0.50	0.49	0.27	0.46	0.49	0.37	0.34	0.32	0.12	0.38	1.13							
100	0.36	0.41	0.42	0.30	0.44	0.47	0.30	0.32	0.28	0.14	0.25	0.43							
105	0.36	0.41	0.38	0.34	0.42	0.47	0.23	0.24	0.27	0.19	0.25	0.28							
110	0.36	0.39	0.40	0.35	0.43	0.47	0.16	0.17	0.32	0.20	0.29	0.28							
115	0.28	0.23	0.44	0.36	0.44	0.47	0.10	0.09	0.35	0.16	0.29	0.29							
120	0.08	0.06	0.42	0.15	0.47	0.47	0.03	0.02	0.36	0.05	0.23	0.11							
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							
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							
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							
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							
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							
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							
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							
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							
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							
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							
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							
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							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	29.78	29.73	29.53	29.37	29.35	29.30	29.78	29.73	29.53	29.37
3.0	29.76	29.72	29.56	29.30	29.15	29.02	29.73	29.64	29.38	29.36
6.0	29.59	29.64	29.50	29.15	28.85	28.66	29.60	29.43	29.15	29.21
9.0	29.32	29.46	29.40	28.91	28.48	28.18	29.37	29.11	28.82	28.95
12.0	28.95	29.18	29.12	28.52	27.98	27.63	29.04	28.69	28.36	28.55
15.0	28.49	28.82	28.72	28.03	27.37	27.02	28.63	28.19	27.81	28.03
18.0	27.95	28.34	28.22	27.45	26.68	26.28	28.11	27.61	27.17	27.42
21.0	27.32	27.77	27.61	26.76	25.91	25.48	27.51	26.90	26.43	26.67
24.0	26.60	27.12	26.94	26.01	25.07	24.63	26.84	26.18	25.62	25.87
27.0	25.82	26.34	26.17	25.13	24.18	23.64	26.07	25.28	24.73	24.95
30.0	24.94	25.54	25.32	24.20	23.21	22.65	25.23	24.44	23.81	23.96
33.0	24.00	24.64	24.40	23.19	22.18	21.57	24.32	23.43	22.82	22.93
36.0	22.99	23.67	23.43	22.10	21.11	20.44	23.33	22.40	21.79	21.77
39.0	21.93	22.65	22.42	20.96	19.98	19.27	22.28	21.30	20.69	20.59
42.0	20.79	21.57	21.37	19.77	18.81	18.03	21.17	20.13	19.53	19.36
45.0	19.61	20.43	20.26	18.54	17.57	16.74	20.00	18.93	18.33	18.04
48.0	18.38	19.25	19.12	17.21	16.31	15.43	18.78	17.65	17.08	16.68
51.0	17.10	18.00	17.93	15.86	15.00	14.05	17.50	16.33	15.80	15.27
54.0	15.80	16.74	16.70	14.44	13.64	12.66	16.19	14.99	14.45	13.89
57.0	14.44	15.40	15.40	13.04	12.26	11.25	14.83	13.59	13.09	12.34
60.0	13.06	14.05	14.12	11.56	10.86	9.805	13.44	12.14	11.69	10.92
63.0	11.66	12.66	12.75	10.07	9.428	8.332	12.00	10.71	10.24	9.403
66.0	10.23	11.27	11.36	8.615	7.986	6.901	10.56	9.237	8.800	7.860
69.0	8.795	9.826	9.996	7.122	6.568	5.479	9.102	7.759	7.333	6.422
72.0	7.363	8.388	8.584	5.684	5.157	4.132	7.634	6.307	5.889	4.965
75.0	5.956	6.957	7.147	4.308	3.819	2.937	6.197	4.890	4.479	3.533
78.0	4.573	5.544	5.829	2.991	2.587	1.948	4.810	3.562	3.147	2.256
81.0	3.311	4.172	4.432	1.766	1.581	1.199	3.524	2.435	1.961	1.149
84.0	2.235	2.926	3.151	0.7510	0.8767	0.7126	2.424	1.531	1.053	0.3345
87.0	1.455	1.867	1.994	0.2993	0.5385	0.5233	1.526	0.8713	0.4865	0.1410
90.0	0.9112	1.139	1.128	0.2634	0.4841	0.5116	0.8729	0.4934	0.3605	0.1220
93.0	0.5788	0.6776	0.6293	0.2664	0.4707	0.4998	0.4714	0.3520	0.3368	0.1238
96.0	0.4025	0.4368	0.4527	0.2714	0.4574	0.4881	0.3541	0.3418	0.3131	0.1261
99.0	0.3619	0.4130	0.4253	0.2816	0.4440	0.4763	0.3132	0.3327	0.2893	0.1349
102.0	0.3605	0.4004	0.4145	0.3218	0.4307	0.4725	0.2723	0.2873	0.2864	0.1543
105.0	0.3591	0.4105	0.3772	0.3428	0.4173	0.4725	0.2315	0.2420	0.2665	0.1878
108.0	0.3577	0.4172	0.3869	0.3443	0.4272	0.4725	0.1906	0.1966	0.3017	0.1938
111.0	0.3588	0.3573	0.4019	0.3458	0.4355	0.4725	0.1498	0.1512	0.3258	0.1999
114.0	0.3225	0.2598	0.4222	0.3518	0.4406	0.4724	0.1089	0.1059	0.3468	0.1813
117.0	0.2016	0.1624	0.4523	0.3669	0.4536	0.4724	0.0681	0.0605	0.3568	0.1133
120.0	0.0806	0.0650	0.4171	0.1468	0.4724	0.4724	0.0272	0.0151	0.3568	0.0453
G/C	300.0	330.0								
0.0	29.35	29.30								
3.0	29.39	29.48								
6.0	29.38	29.56								
9.0	29.26	29.54								
12.0	29.01	29.48								
15.0	28.65	29.24								
18.0	28.19	28.89								
21.0	27.62	28.41								
24.0	26.96	27.91								
27.0	26.19	27.32								
30.0	25.35	26.69								
33.0	24.45	25.98								
36.0	23.52	25.14								
39.0	22.59	24.24								
42.0	21.65	23.29								
45.0	20.65	22.25								
48.0	19.59	21.16								
51.0	18.43	20.01								
54.0	17.21	18.84								
57.0	15.97	17.55								
60.0	14.67	16.32								
63.0	13.33	14.98								
66.0	11.97	13.60								
69.0	10.57	12.22								
72.0	9.157	10.86								
75.0	7.735	9.358								
78.0	6.328	7.931								
81.0	4.920	6.532								
84.0	3.573	5.101								
87.0	2.328	3.769								
90.0	1.279	2.546								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-22

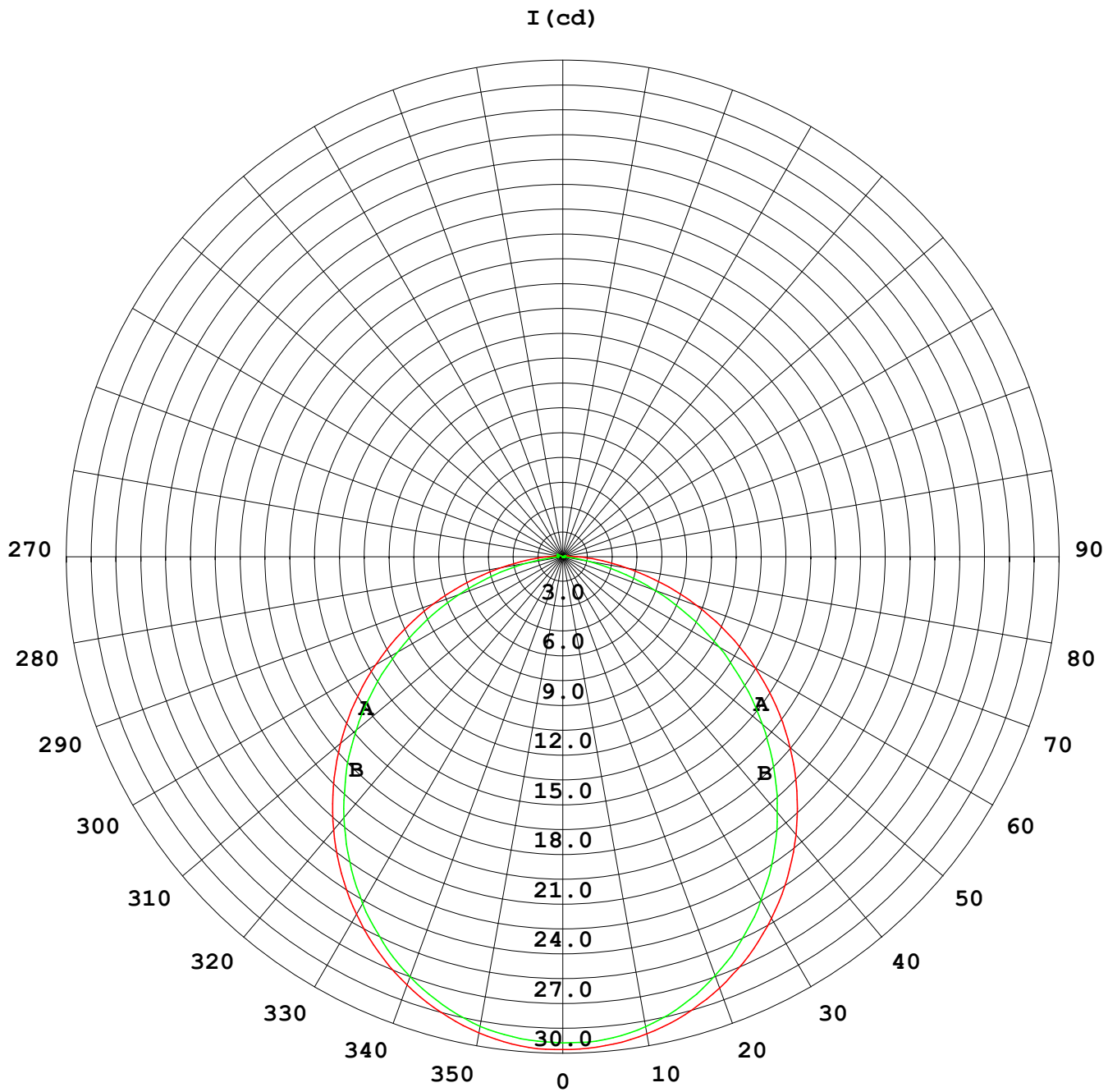
γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

93.0	0.6117	1.591
96.0	0.3112	0.9567
99.0	0.2601	0.5290
102.0	0.2426	0.3370
105.0	0.2475	0.2765
108.0	0.2720	0.2792
111.0	0.2880	0.2819
114.0	0.2870	0.2846
117.0	0.2713	0.2865
120.0	0.2261	0.1146

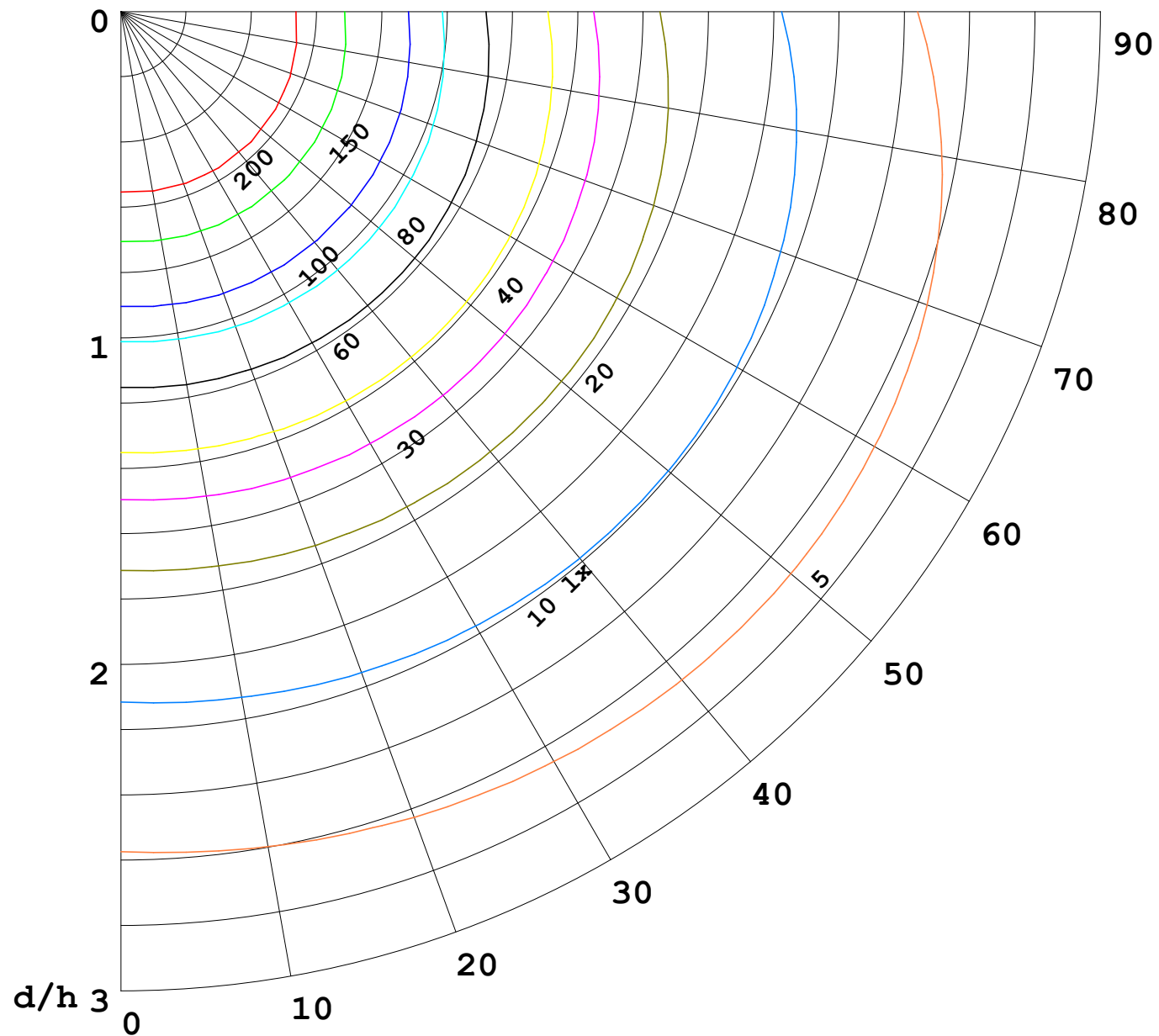
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-22

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:



1000 lm

$\kappa = 1$



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

