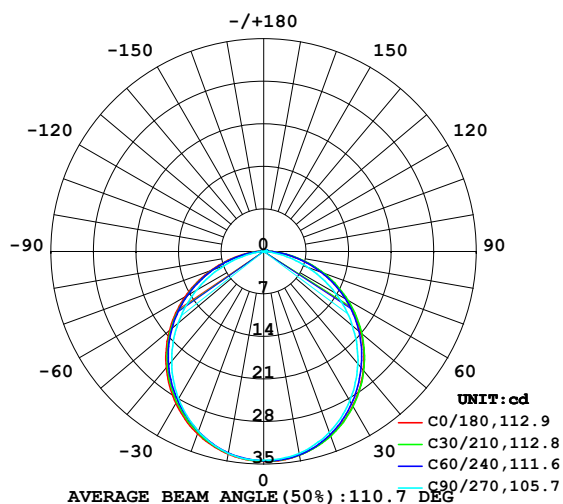


LUMINAIRE PHOTOMETRIC TEST REPORT

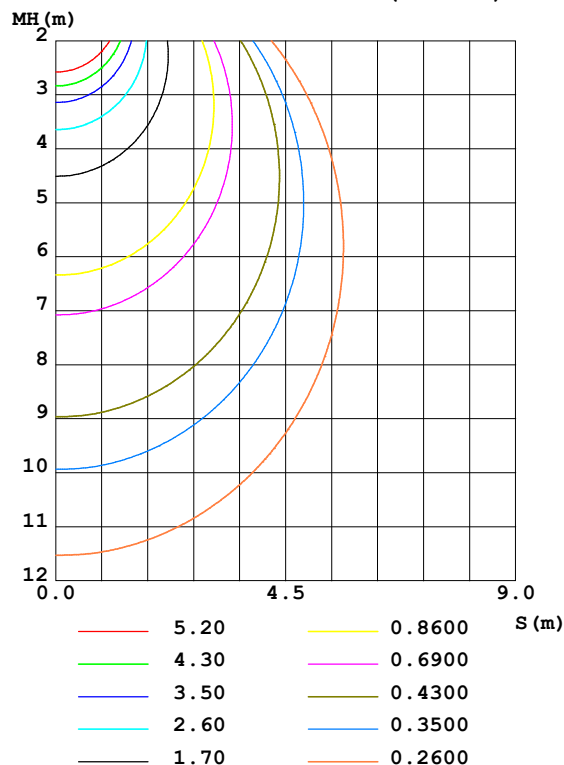
Test:U:12.00V I:0.3934A P:4.721W PF:1.000 Freq:50.00Hz Lamp Flux:98.7468x1 lm		
NAME: SF15-12V-3528-72-2700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122205
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 20.92 lm/W			
MODEL	3528	I _{max} (cd)	34.55	S/MH (C0/180)	1.24
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	98.747	η UP, DN (C0-180)	0.8, 49.3
NOMINAL FLUX (lm)	98.7468	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 49.4
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	34.04	34.00	33.74	33.44	33.83	33.70	33.72	33.97	0- 10	3.257	3.257	3.3,3.3
20	32.25	32.20	31.65	31.30	31.90	31.59	31.49	32.16	10- 20	9.298	12.55	12.7,12.7
30	29.35	29.19	28.37	28.11	28.88	28.48	28.00	29.19	20- 30	14.00	26.55	26.9,26.9
40	25.52	25.28	24.14	24.07	24.96	24.52	23.57	25.44	30- 40	16.78	43.33	43.9,43.9
50	20.92	20.79	19.09	19.32	20.25	19.82	18.44	21.15	40- 50	17.34	60.67	61.4,61.4
60	15.79	15.76	13.59	14.03	14.97	14.54	12.81	16.16	50- 60	15.65	76.32	77.3,77.3
70	10.29	10.33	7.849	8.413	9.347	8.945	6.956	10.78	60- 70	11.95	88.27	89.4,89.4
80	4.880	4.943	2.519	3.237	4.046	3.578	1.788	5.314	70- 80	6.910	95.18	96.4,96.4
90	1.259	1.071	0.3066	0.6383	0.8328	0.6100	0.1518	1.151	80- 90	2.236	97.41	98.6,98.6
100	0.4204	0.4939	0.3619	0.5644	0.4191	0.3845	0.1558	0.3429	90-100	0.5585	97.97	99.2,99.2
110	0.4148	0.5008	0.4190	0.5314	0.2518	0.2851	0.2341	0.3518	100-110	0.4192	98.39	99.6,99.6
120	0.1809	0.5352	0.1749	0.3186	0.0420	0.0475	0.2915	0.2607	110-120	0.3425	98.73	100,100
130	0	0	0	0	0	0	0	0	120-130	0.0147	98.75	100,100
140	0	0	0	0	0	0	0	0	130-140	0	98.75	100,100
150	0	0	0	0	0	0	0	0	140-150	0	98.75	100,100
160	0	0	0	0	0	0	0	0	150-160	0	98.75	100,100
170	0	0	0	0	0	0	0	0	160-170	0	98.75	100,100
180	0	0	0	0	0	0	0	0	170-180	0	98.75	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 52.069 lm

%lum = 52.7%

%lamp = 52.7%

Conical surface Flux(120deg): 76.316 lm

%lum = 77.3%

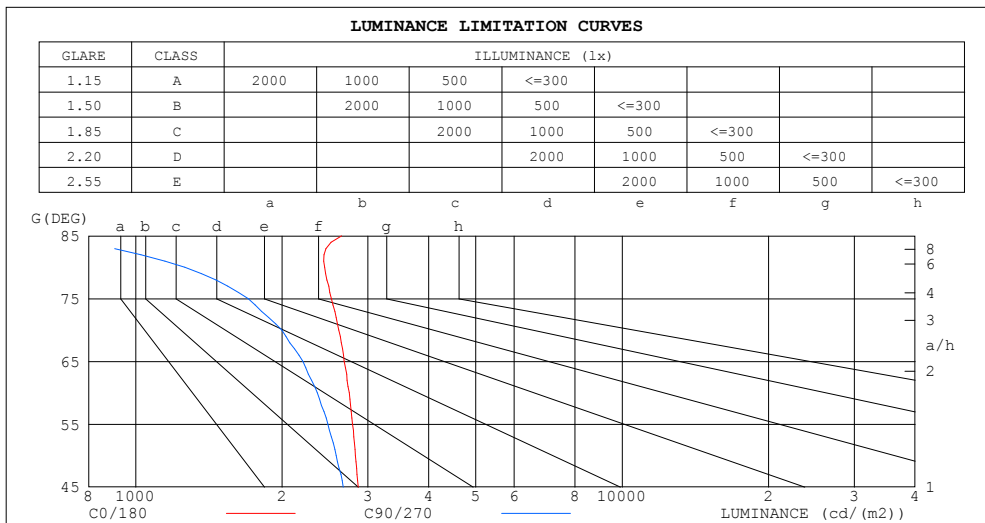
%lamp = 77.3%

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:0.3934A P:4.721W PF:1.000 Freq:50.00Hz Lamp Flux:98.7468x1 lm		
NAME: SF15-12V-3528-72-2700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122205
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2652	604
80	2444	1261
75	2526	1702
70	2616	1996
65	2684	2205
60	2746	2363
55	2791	2484
50	2830	2583
45	2866	2671

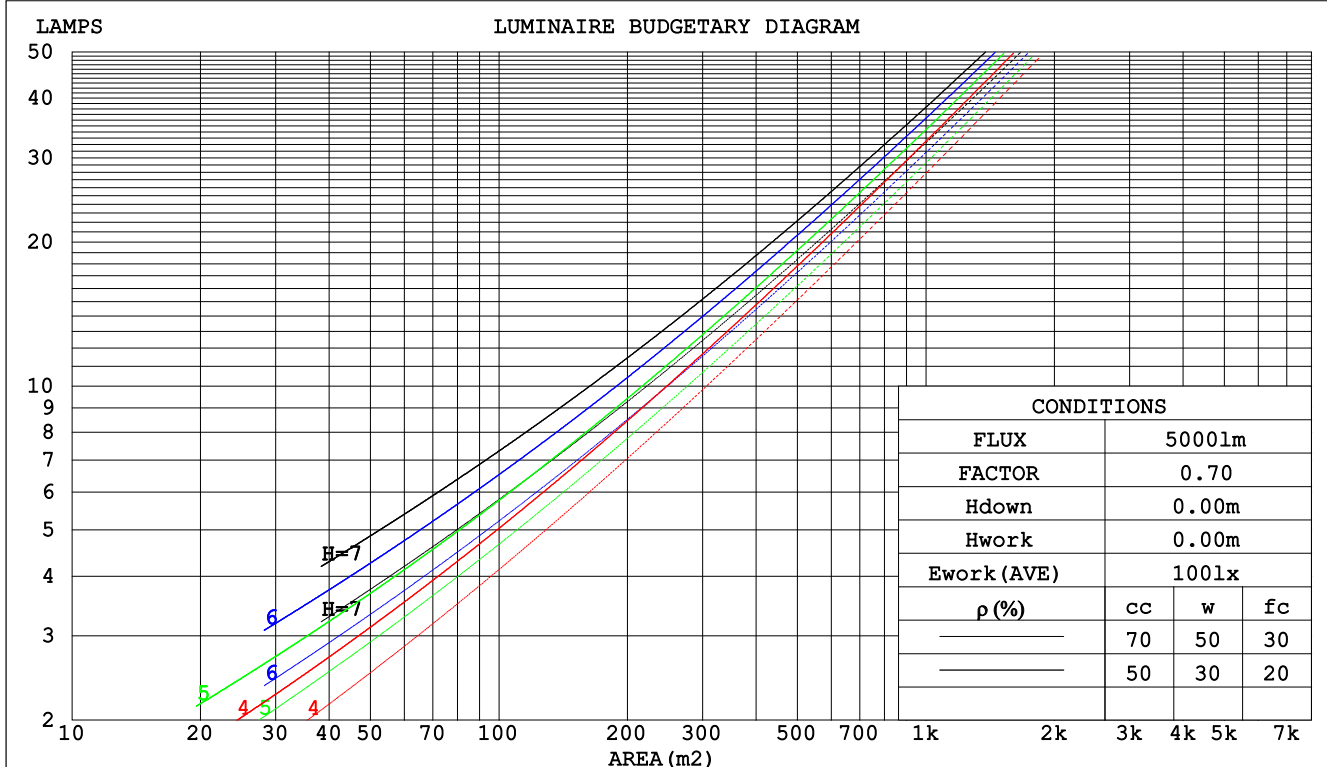
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

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:0.3934A P:4.721W PF:1.000 Freq:50.00Hz Lamp Flux:98.7468x1 lm		
NAME: SF15-12V-3528-72-2700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122205
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						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	.90	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.77	.74	.71	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.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	.40	.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	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.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:0.3934A P:4.721W PF:1.000 Freq:50.00Hz Lamp Flux:98.7468x1 lm		
NAME: SF15-12V-3528-72-2700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122205
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	.313	.178	.056	.306	.174	.055	.292	.167	.053	.279	.161	.052	.267	.155	.050		
2.0	.293	.161	.049	.286	.158	.049	.274	.152	.047	.263	.147	.046	.252	.143	.045		
3.0	.271	.144	.043	.265	.142	.043	.254	.137	.042	.244	.133	.041	.234	.130	.040		
4.0	.249	.130	.038	.244	.128	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036		
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.108	.032		
6.0	.213	.107	.031	.209	.106	.030	.202	.103	.030	.194	.101	.030	.187	.099	.029		
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027		
8.0	.185	.091	.025	.182	.090	.025	.176	.088	.025	.170	.086	.025	.164	.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	.166	.144	.163	.143	.124	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.142	.108	.157	.123	.094	.107	.085	.065	.062	.049	.038	.020	.016	.012	
3.0	.175	.125	.085	.150	.108	.073	.103	.075	.052	.060	.044	.030	.019	.014	.010	
4.0	.167	.112	.069	.144	.096	.060	.099	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.160	.101	.058	.137	.088	.050	.095	.061	.035	.055	.036	.021	.018	.012	.007	
6.0	.153	.093	.050	.131	.080	.043	.091	.056	.031	.053	.033	.018	.017	.011	.006	
7.0	.146	.086	.044	.126	.075	.038	.087	.052	.027	.050	.031	.016	.016	.010	.005	
8.0	.140	.080	.039	.120	.070	.034	.083	.049	.024	.048	.029	.015	.016	.009	.005	
9.0	.133	.075	.036	.115	.065	.031	.080	.046	.022	.046	.027	.013	.015	.009	.004	
10.0	.128	.071	.033	.110	.062	.029	.076	.043	.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:0.3934A P:4.721W PF:1.000 Freq:50.00Hz Lamp Flux:98.7468x1 lm											
NAME: SF15-12V-3528-72-2700-80						TYPE:硅胶			WEIGHT:		
SPEC.:						DIM.: 21mm*11.5mm			SERIAL No.:2021122205		
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	26.4	26.6	24.2	25.7	24.4	25.9	26.1
	3H	26.3	27.7	26.6	27.9	28.2	25.5	26.9	25.9	27.2	27.5
	4H	27.0	28.3	27.3	28.6	28.8	26.0	27.3	26.4	27.6	27.9
	6H	27.5	28.8	27.9	29.1	29.4	26.3	27.5	26.6	27.8	28.1
	8H	27.7	28.9	28.1	29.2	29.5	26.3	27.5	26.7	27.8	28.2
	12H	27.9	29.0	28.3	29.4	29.7	26.3	27.5	26.7	27.8	28.1
4H	2H	25.3	26.6	25.6	26.9	27.1	24.9	26.2	25.2	26.5	26.8
	3H	27.1	28.3	27.5	28.6	28.9	26.5	27.7	26.9	28.0	28.4
	4H	27.9	29.0	28.3	29.4	29.7	27.2	28.2	27.6	28.6	29.0
	6H	28.6	29.6	29.1	30.0	30.4	27.6	28.6	28.0	28.9	29.3
	8H	28.9	29.8	29.4	30.2	30.6	27.7	28.6	28.1	29.0	29.4
	12H	29.1	30.0	29.6	30.4	30.8	27.7	28.5	28.2	28.9	29.4
8H	4H	28.3	29.1	28.7	29.5	29.9	27.6	28.5	28.0	28.9	29.3
	6H	29.1	29.9	29.6	30.3	30.8	28.2	29.0	28.7	29.4	29.9
	8H	29.5	30.2	30.0	30.6	31.1	28.5	29.1	28.9	29.6	30.0
	12H	29.9	30.4	30.4	30.9	31.4	28.6	29.1	29.1	29.6	30.1
12H	4H	28.3	29.1	28.7	29.5	29.9	27.6	28.5	28.1	28.9	29.3
	6H	29.2	29.9	29.7	30.3	30.8	28.4	29.0	28.8	29.5	29.9
	8H	29.7	30.2	30.2	30.7	31.2	28.6	29.2	29.1	29.7	30.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.5					

CIE Pub.117, 98.75 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -8.0)

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:0.3934A P:4.721W PF:1.000 Freq:50.00Hz Lamp Flux:98.7468x1 lm		
NAME: SF15-12V-3528-72-2700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122205
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

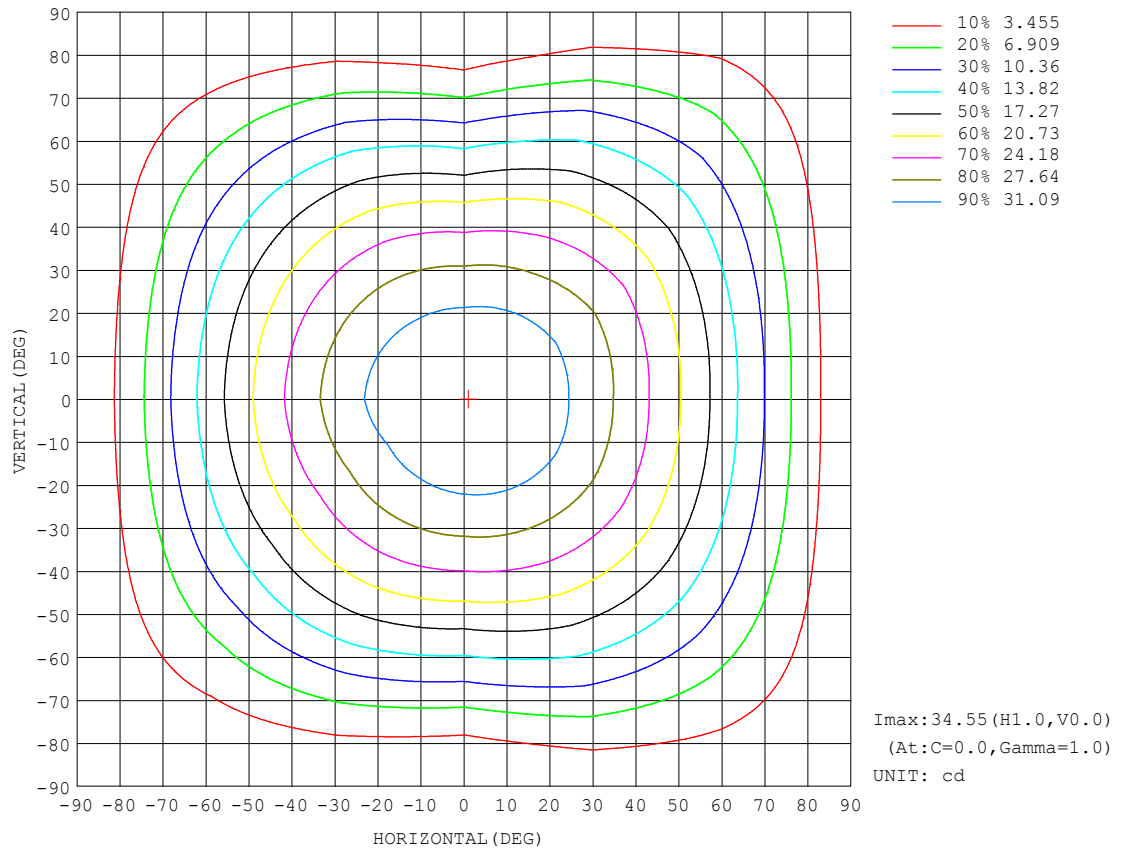
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	56	72	65	56	49
1.25	82	72	65	81	71	64	78	70	63	56
1.50	87	77	70	86	76	70	83	75	69	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	85	77
4.00	106	100	95	103	98	94	99	94	91	81
5.00	108	103	99	106	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:0.3934A P:4.721W PF:1.000 Freq:50.00Hz Lamp Flux:98.7468x1 lm		
NAME: SF15-12V-3528-72-2700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122205
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

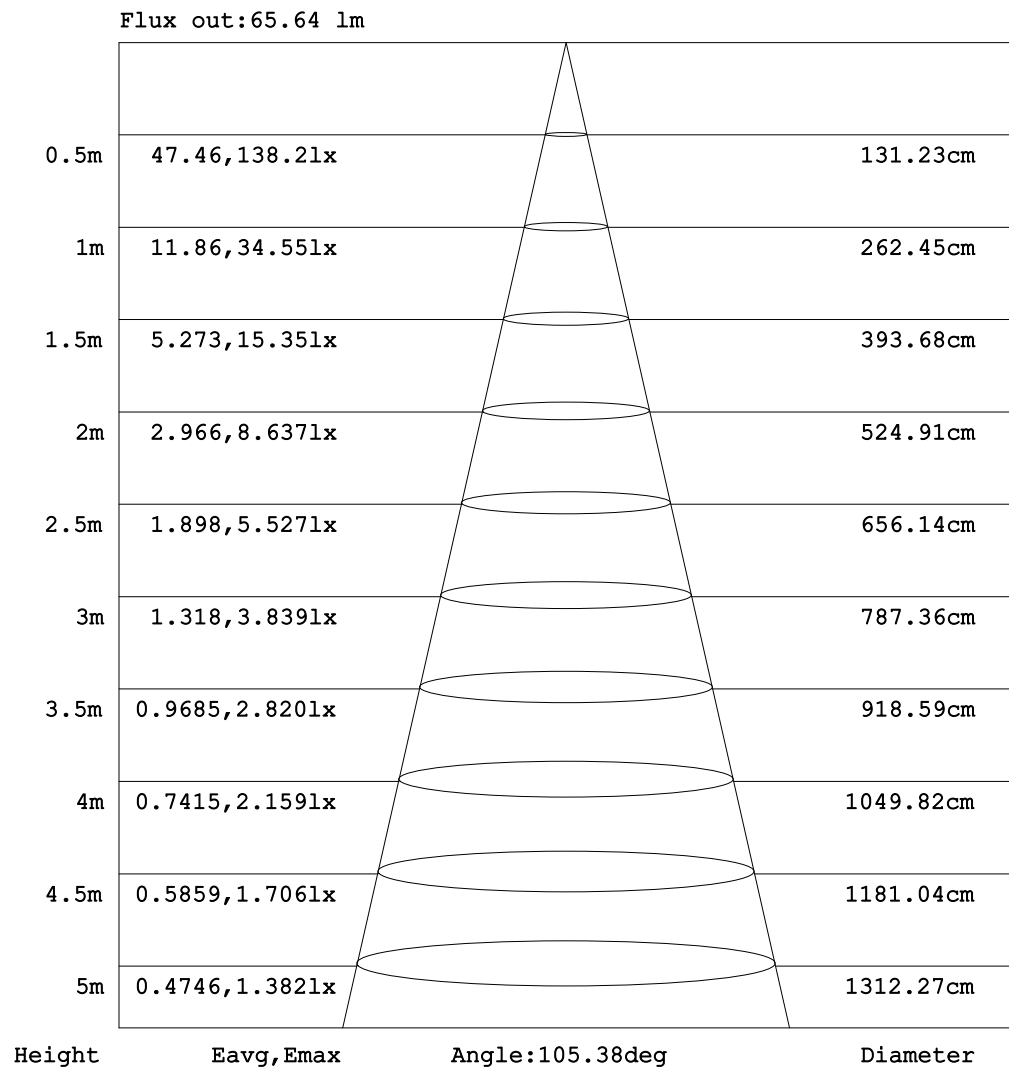


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

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:0.3934A P:4.721W PF:1.000 Freq:50.00Hz Lamp Flux:98.7468x1 lm		
NAME: SF15-12V-3528-72-2700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122205
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



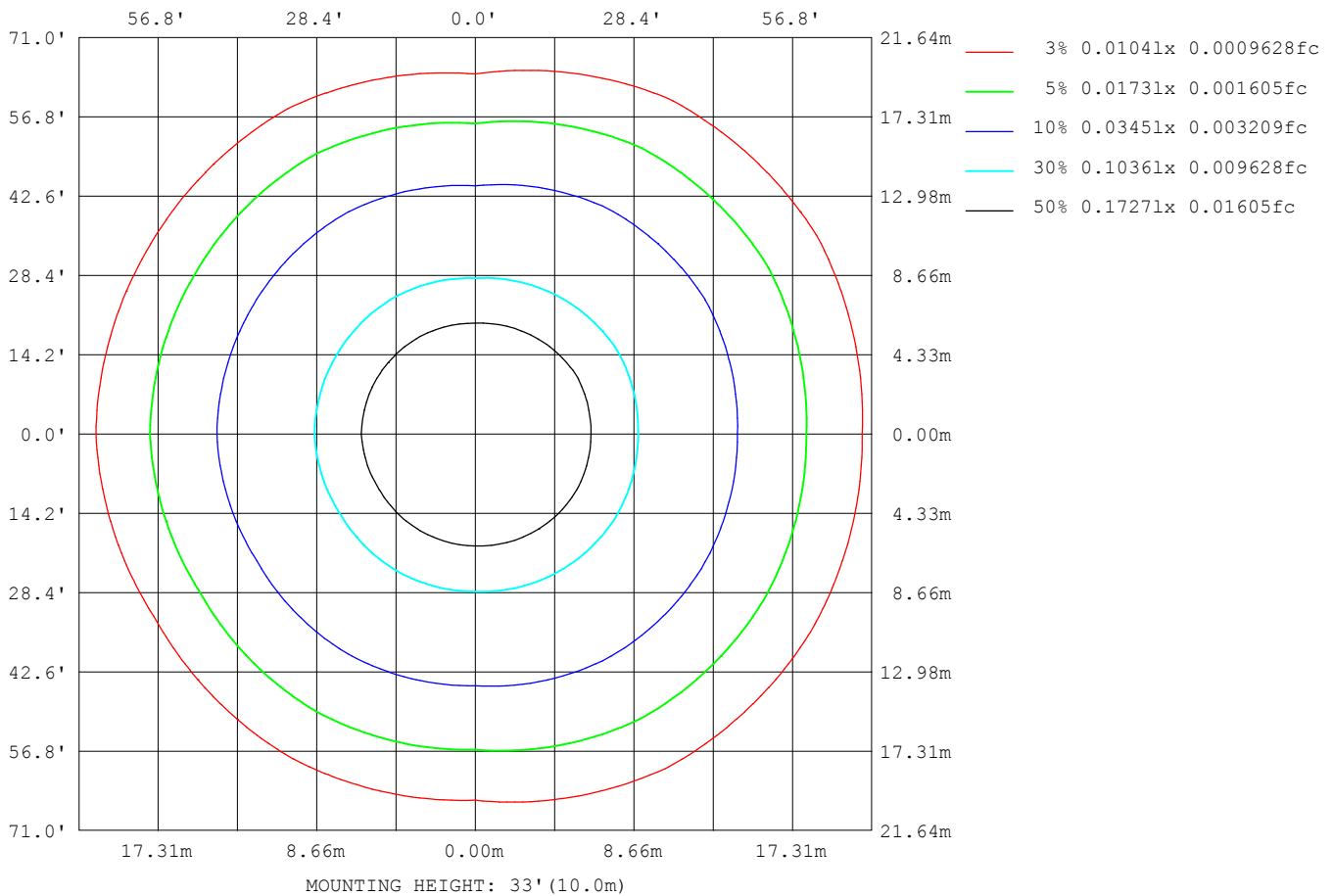
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3934A P:4.721W PF:1.000 Freq:50.00Hz Lamp Flux:98.7468x1 lm		
NAME: SF15-12V-3528-72-2700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122205
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:0.3934A P:4.721W PF:1.000 Freq:50.00Hz Lamp Flux:98.7468x1 lm		
NAME: SF15-12V-3528-72-2700-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122205
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

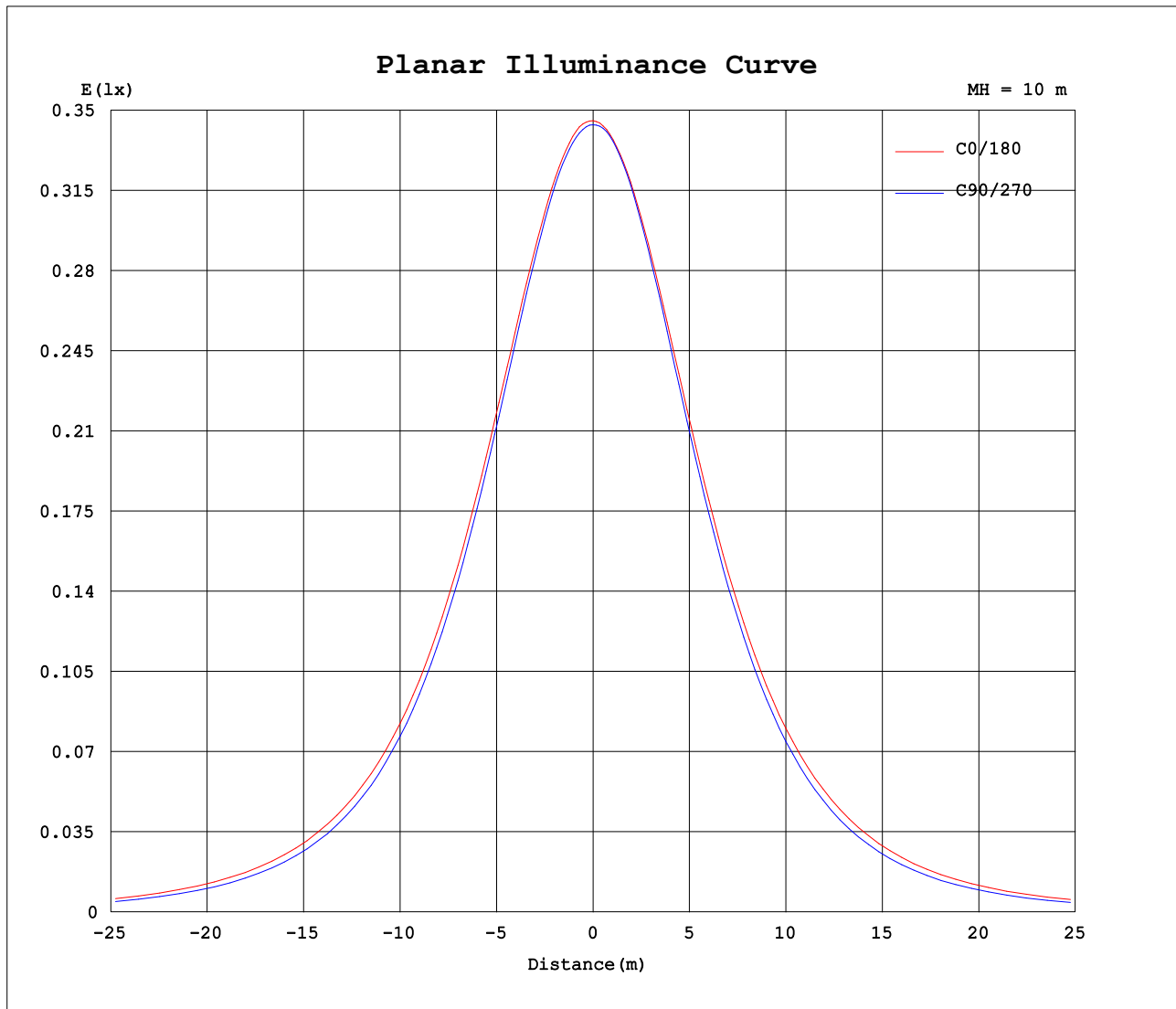
AvgL	cd/m2
L_0~180 (65) av	2594
L_0~180 (75) av	2367
L_0~180 (85) av	2352
L_90~270 (65) av	2118
L_90~270 (75) av	1559
L_90~270 (85) av	444
L_45 (65) av	2575
L_45 (75) av	2349
L_45 (85) av	2209

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:0.3934A P:4.721W PF:1.000 Freq:50.00Hz Lamp Flux:98.7468x1 lm		
NAME: SF15-12V-3528-72-2700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122205
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	34.5	34.5	34.4	34.4	34.4	34.3	34.5	34.5	34.4	34.4	34.4	34.3						
5	34.5	34.4	34.4	34.2	34.1	34.0	34.3	34.3	34.2	34.3	34.3	34.4						
10	34.0	34.0	34.0	33.7	33.5	33.3	33.8	33.7	33.7	33.7	33.9	34.1						
15	33.3	33.3	33.2	32.9	32.6	32.4	33.0	32.9	32.7	32.8	33.1	33.4						
20	32.2	32.3	32.1	31.6	31.4	31.2	31.9	31.7	31.5	31.5	31.9	32.4						
25	30.9	31.0	30.6	30.2	29.9	29.8	30.5	30.3	30.0	29.9	30.5	31.1						
30	29.3	29.4	28.9	28.4	28.2	28.1	28.9	28.6	28.3	28.0	28.8	29.6						
35	27.5	27.6	27.0	26.3	26.3	26.1	27.0	26.8	26.4	25.9	26.8	28.0						
40	25.5	25.6	24.9	24.1	24.2	24.0	25.0	24.7	24.4	23.6	24.8	26.0						
45	23.3	23.4	22.8	21.7	21.9	21.7	22.7	22.4	22.1	21.1	22.8	23.9						
50	20.9	21.1	20.5	19.1	19.4	19.2	20.2	19.9	19.7	18.4	20.7	21.6						
55	18.4	18.6	18.0	16.4	16.9	16.6	17.7	17.3	17.2	15.7	18.2	19.2						
60	15.8	16.0	15.5	13.6	14.2	13.9	15.0	14.6	14.5	12.8	15.7	16.6						
65	13.0	13.3	12.8	10.7	11.4	11.1	12.2	11.8	11.7	9.88	13.1	14.0						
70	10.3	10.6	10.1	7.85	8.58	8.24	9.35	8.98	8.91	6.96	10.3	11.2						
75	7.52	7.81	7.40	5.07	5.84	5.54	6.57	6.20	6.10	4.21	7.58	8.45						
80	4.88	5.12	4.76	2.52	3.31	3.17	4.05	3.67	3.48	1.79	4.89	5.73						
85	2.66	2.74	2.42	0.61	1.42	1.50	2.06	1.78	1.41	0.28	2.47	3.26						
90	1.26	1.23	0.91	0.31	0.61	0.67	0.83	0.70	0.52	0.15	0.81	1.50						
95	0.59	0.56	0.52	0.33	0.57	0.58	0.45	0.43	0.43	0.15	0.41	0.62						
100	0.42	0.49	0.50	0.36	0.56	0.57	0.42	0.41	0.36	0.16	0.35	0.33						
105	0.41	0.49	0.47	0.40	0.49	0.56	0.36	0.31	0.33	0.23	0.32	0.33						
110	0.41	0.51	0.49	0.42	0.51	0.55	0.25	0.22	0.35	0.23	0.36	0.35						
115	0.44	0.53	0.52	0.43	0.52	0.35	0.15	0.13	0.20	0.24	0.36	0.37						
120	0.18	0.54	0.53	0.17	0.54	0.10	0.04	0.04	0.06	0.29	0.14	0.38						
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	34.55	34.50	34.43	34.37	34.36	34.30	34.55	34.50	34.43	34.37
3.0	34.55	34.48	34.43	34.31	34.26	34.15	34.46	34.44	34.33	34.36
6.0	34.42	34.36	34.33	34.13	34.02	33.88	34.26	34.22	34.11	34.19
9.0	34.15	34.12	34.08	33.87	33.68	33.50	33.96	33.88	33.80	33.86
12.0	33.77	33.78	33.71	33.42	33.21	33.01	33.53	33.43	33.31	33.38
15.0	33.28	33.33	33.19	32.85	32.59	32.42	33.02	32.86	32.71	32.79
18.0	32.69	32.76	32.53	32.19	31.89	31.74	32.39	32.24	32.01	32.04
21.0	32.00	32.07	31.79	31.38	31.09	30.96	31.65	31.42	31.20	31.17
24.0	31.20	31.30	30.95	30.49	30.19	30.07	30.84	30.61	30.31	30.24
27.0	30.32	30.37	29.98	29.47	29.23	29.11	29.89	29.62	29.34	29.15
30.0	29.35	29.44	28.93	28.37	28.16	28.06	28.88	28.64	28.31	28.00
33.0	28.29	28.37	27.81	27.20	27.05	26.91	27.79	27.52	27.22	26.81
36.0	27.16	27.24	26.61	25.92	25.86	25.69	26.63	26.36	26.03	25.46
39.0	25.94	26.04	25.38	24.58	24.59	24.43	25.38	25.10	24.79	24.05
42.0	24.65	24.77	24.12	23.18	23.26	23.07	24.07	23.76	23.50	22.63
45.0	23.30	23.44	22.78	21.72	21.88	21.67	22.68	22.38	22.12	21.08
48.0	21.90	22.07	21.40	20.16	20.43	20.22	21.24	20.93	20.70	19.49
51.0	20.44	20.61	19.99	18.57	18.94	18.69	19.75	19.42	19.22	17.87
54.0	18.93	19.12	18.56	16.91	17.39	17.11	18.19	17.88	17.69	16.22
57.0	17.37	17.60	17.05	15.27	15.81	15.52	16.61	16.27	16.12	14.48
60.0	15.79	16.02	15.51	13.59	14.19	13.87	14.97	14.58	14.49	12.81
63.0	14.17	14.40	13.92	11.81	12.54	12.17	13.30	12.94	12.83	11.10
66.0	12.50	12.79	12.29	10.14	10.86	10.50	11.62	11.27	11.17	9.298
69.0	10.85	11.12	10.65	8.388	9.157	8.805	9.905	9.529	9.463	7.549
72.0	9.183	9.443	9.028	6.668	7.470	7.121	8.216	7.856	7.764	5.901
75.0	7.519	7.805	7.399	5.067	5.841	5.539	6.569	6.202	6.101	4.212
78.0	5.906	6.162	5.800	3.498	4.262	4.042	4.996	4.613	4.488	2.778
81.0	4.377	4.594	4.262	2.066	2.854	2.761	3.584	3.240	3.006	1.391
84.0	3.030	3.167	2.845	0.9165	1.698	1.761	2.403	2.094	1.740	0.4604
87.0	1.989	2.013	1.642	0.3464	0.9472	1.064	1.480	1.244	0.8726	0.1763
90.0	1.259	1.235	0.9066	0.3066	0.6088	0.6677	0.8328	0.7050	0.5150	0.1518
93.0	0.7902	0.7577	0.5887	0.3167	0.5680	0.5882	0.4667	0.4677	0.4651	0.1530
96.0	0.5185	0.5222	0.5134	0.3318	0.5641	0.5814	0.4463	0.4233	0.4152	0.1542
99.0	0.4223	0.4998	0.4998	0.3569	0.5585	0.5746	0.4259	0.4112	0.3718	0.1554
102.0	0.4166	0.4775	0.4863	0.3749	0.5311	0.5677	0.4055	0.3702	0.3567	0.2010
105.0	0.4109	0.4926	0.4727	0.3985	0.4928	0.5609	0.3568	0.3146	0.3268	0.2316
108.0	0.4133	0.5076	0.4825	0.4158	0.5051	0.5541	0.2938	0.2591	0.3620	0.2331
111.0	0.4156	0.5127	0.4922	0.4206	0.5151	0.5473	0.2309	0.2036	0.3191	0.2346
114.0	0.4321	0.5227	0.5234	0.4282	0.5208	0.3980	0.1679	0.1481	0.2321	0.2362
117.0	0.4522	0.5337	0.5255	0.4373	0.5287	0.2488	0.1049	0.0925	0.1450	0.2812
120.0	0.1809	0.5428	0.5277	0.1749	0.5378	0.0995	0.0420	0.0370	0.0580	0.2915
G/C	300.0	330.0								
0.0	34.36	34.30								
3.0	34.34	34.35								
6.0	34.23	34.34								
9.0	34.00	34.14								
12.0	33.60	33.83								
15.0	33.06	33.39								
18.0	32.41	32.82								
21.0	31.67	32.13								
24.0	30.80	31.33								
27.0	29.82	30.50								
30.0	28.76	29.62								
33.0	27.63	28.65								
36.0	26.44	27.59								
39.0	25.23	26.43								
42.0	24.03	25.20								
45.0	22.81	23.92								
48.0	21.56	22.56								
51.0	20.19	21.16								
54.0	18.74	19.70								
57.0	17.24	18.18								
60.0	15.70	16.61								
63.0	14.12	15.04								
66.0	12.51	13.41								
69.0	10.88	11.75								
72.0	9.226	10.12								
75.0	7.579	8.454								
78.0	5.960	6.790								
81.0	4.382	5.221								
84.0	2.915	3.729								
87.0	1.655	2.411								
90.0	0.8074	1.495								

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:

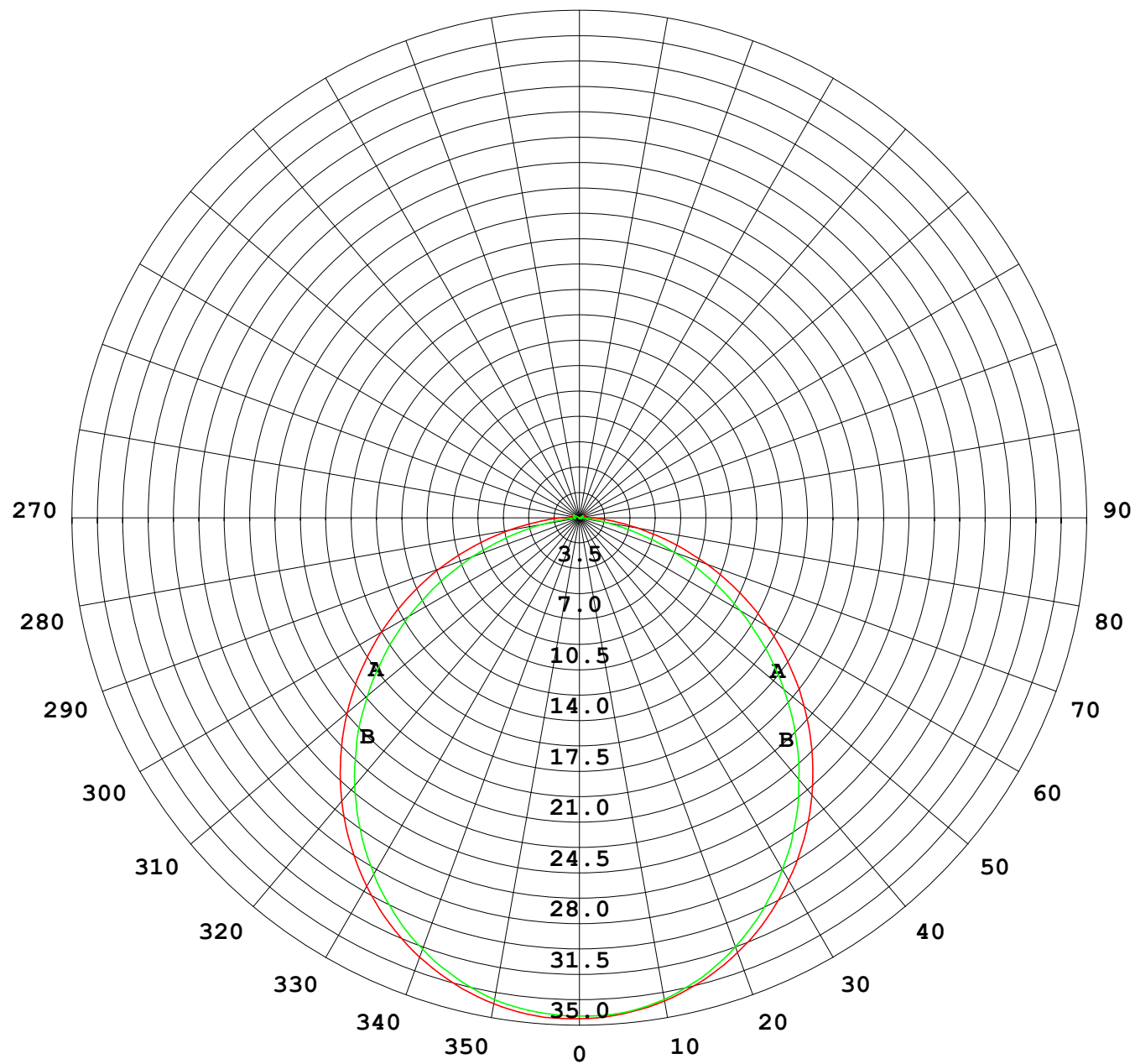
Photometric Data Table [cd]

93.0	0.4314	0.8709
96.0	0.3981	0.5286
99.0	0.3649	0.3672
102.0	0.3316	0.3297
105.0	0.3227	0.3263
108.0	0.3267	0.3228
111.0	0.3576	0.3518
114.0	0.3593	0.3676
117.0	0.3611	0.3702
120.0	0.1444	0.3769

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

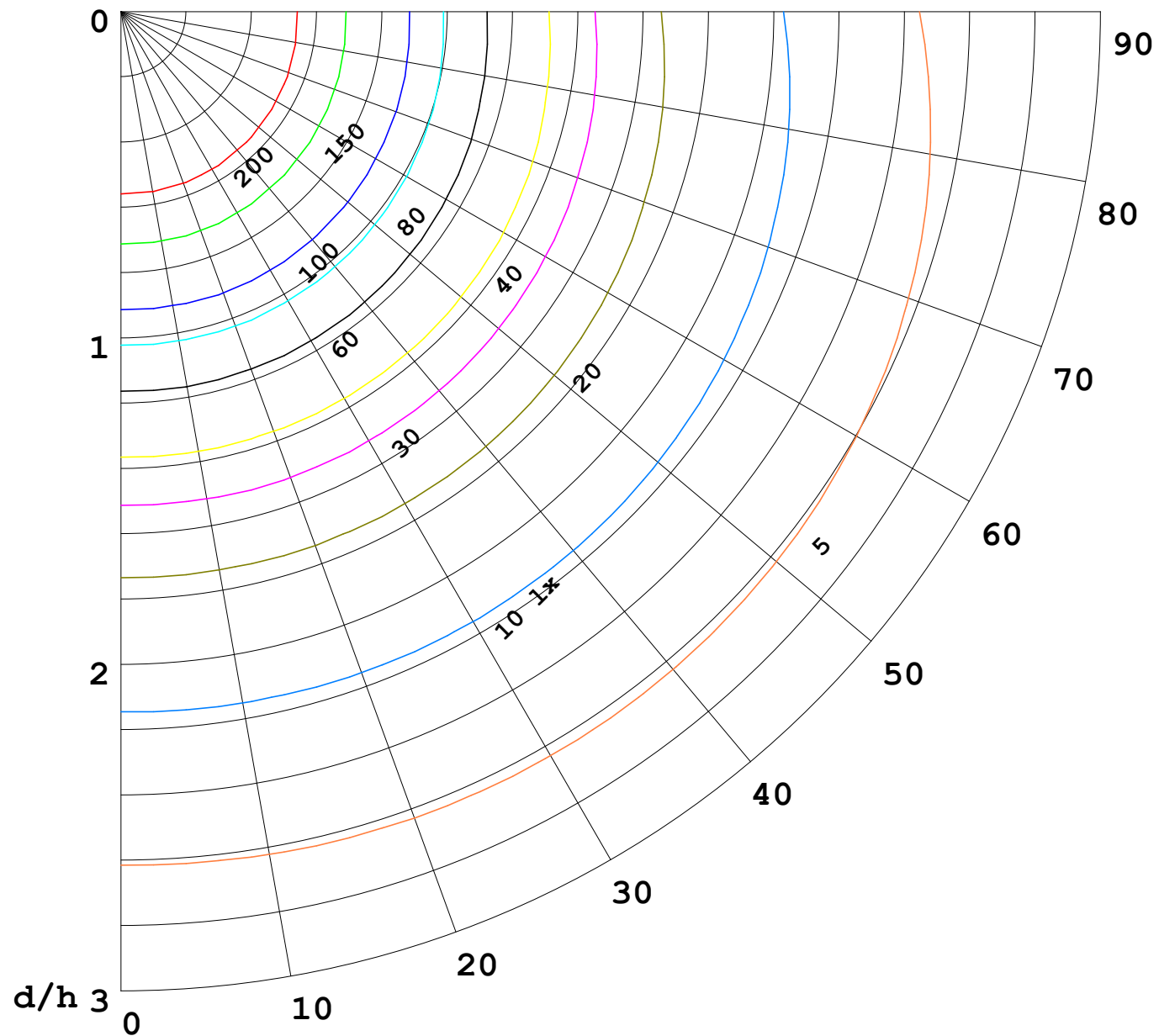
γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

I (cd)



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

