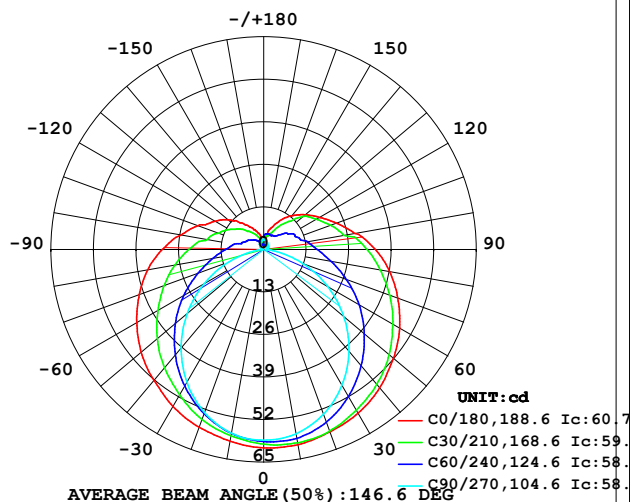


LUMINAIRE PHOTOMETRIC TEST REPORT

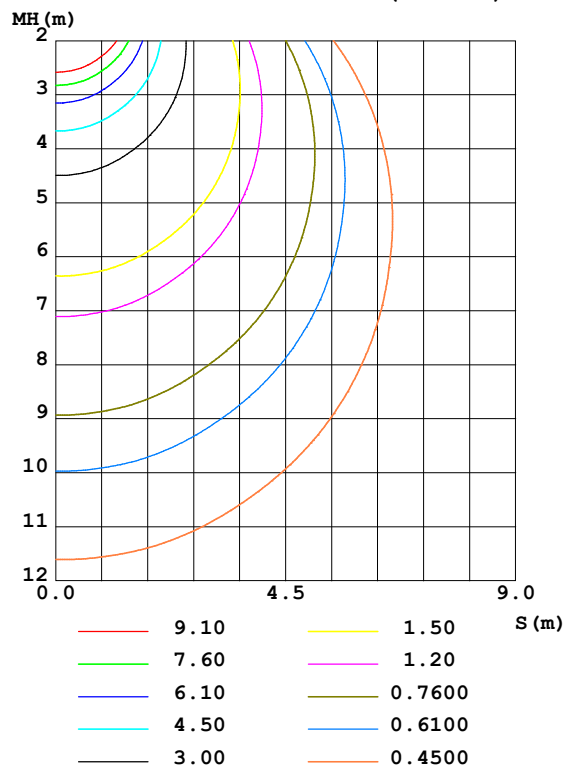
Test:U:24.00V I:0.8453A P:20.29W PF:1.000 Freq:50.00Hz Lamp Flux:297.319x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(5000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121710
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 14.66 lm/W			
MODEL	5050	I _{max} (cd)	60.70	S/MH (C0/180)	1.37
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH (C90/270)	1.20
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	297.32	η UP,DN(C0-180)	11.7,38.8
NOMINAL FLUX(lm)	297.319	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	11.3,38.2
LAMPS INSIDE	1	η up (%)	23.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down (%)	77.0	CIBSE SHR MAX	1.55

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:2021-12-17

γ Range: 0 - 180DEG
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	60.56	59.29	57.19	56.33	59.49	57.43	57.04	58.15	0- 10	5.579	5.579	1.88,1.88
20	59.29	57.59	53.56	53.32	57.78	54.31	53.00	56.41	10- 20	16.10	21.68	7.29,7.29
30	57.75	54.28	47.89	48.88	55.43	49.81	46.88	53.28	20- 30	24.82	46.50	15.6,15.6
40	55.17	50.09	40.55	43.78	52.19	44.62	39.29	49.42	30- 40	30.95	77.45	26.1,26.1
50	51.78	45.12	31.98	38.01	48.87	38.85	30.56	44.68	40- 50	34.17	111.6	37.5,37.5
60	47.97	39.63	22.59	32.04	44.80	32.78	21.08	39.31	50- 60	34.38	146.0	49.1,49.1
70	43.64	33.97	12.89	26.21	40.49	26.88	11.51	33.81	60- 70	31.98	178.0	59.9,59.9
80	39.10	28.56	4.215	21.11	35.98	21.68	3.156	28.49	70- 80	27.78	205.8	69.2,69.2
90	34.15	24.02	0.8393	16.87	30.99	17.29	0.5958	23.98	80- 90	23.12	228.9	77,77
100	28.37	19.25	0.9505	13.22	25.63	13.44	0.6832	19.29	90-100	19.18	248.1	83.4,83.4
110	23.67	16.38	1.226	10.36	21.43	10.63	0.7789	16.45	100-110	14.99	263.1	88.5,88.5
120	19.72	14.17	1.443	8.614	17.31	8.932	1.020	13.95	110-120	11.77	274.8	92.4,92.4
130	16.55	11.56	1.608	7.021	14.08	7.120	1.517	11.84	120-130	8.983	283.8	95.5,95.5
140	13.51	8.053	1.744	5.482	10.61	5.528	1.985	8.639	130-140	6.199	290.0	97.5,97.5
150	10.32	6.040	2.061	3.725	7.828	4.108	2.407	6.521	140-150	3.847	293.9	98.8,98.8
160	7.078	4.878	2.559	2.569	5.582	2.739	2.694	5.296	150-160	2.164	296.0	99.6,99.6
170	3.082	4.501	2.981	1.472	2.501	1.495	2.930	4.742	160-170	1.022	297.0	99.9,99.9
180	1.493	2.166	3.111	2.852	1.498	1.937	3.267	2.847	170-180	0.2759	297.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 94.328 lm

%lum = 31.7%

%lamp = 31.7%

Conical surface Flux(120deg): 146 lm

%lum = 49.1%

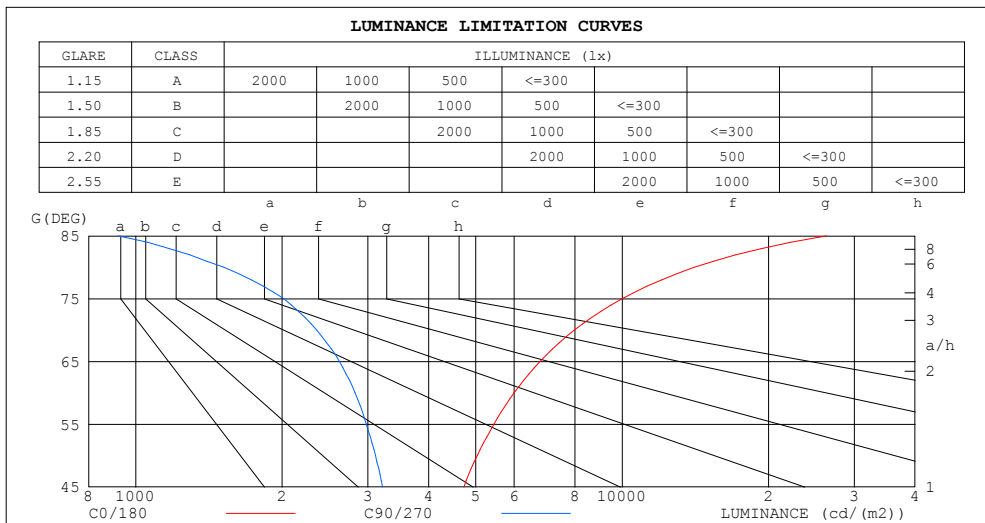
%lamp = 49.1%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-17

γ Range: 0 - 180DEG
 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:24.00V I:0.8453A P:20.29W PF:1.000 Freq:50.00Hz Lamp Flux:297.319x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(5000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121710
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



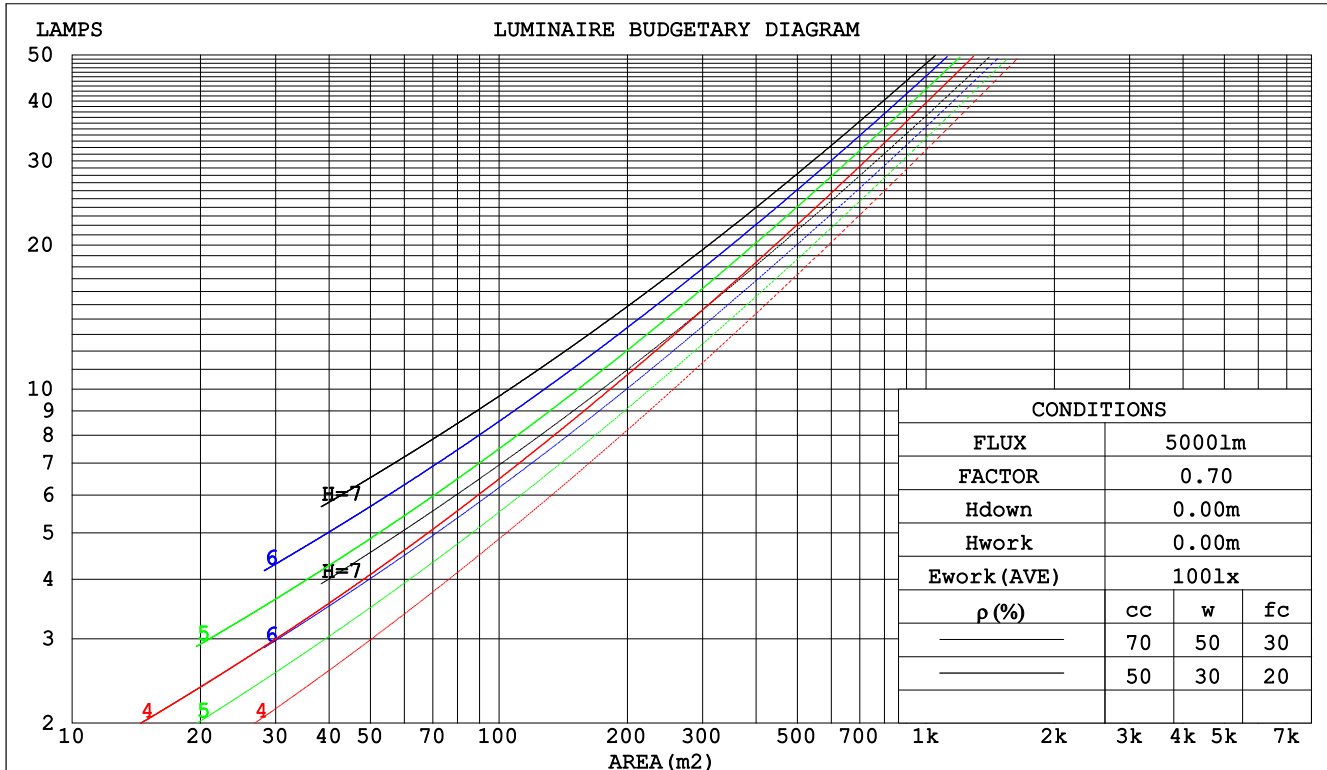
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-17

γ Range: 0 - 180DEG
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:24.00V I:0.8453A P:20.29W PF:1.000 Freq:50.00Hz Lamp Flux:297.319x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(5000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121710
MFR.: OLYMPIA	SUR.:1*0.016	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	1.14	1.14	1.14	1.08	1.08	1.08	.98	.98	.98	.89	.89	.89	.81	.81	.81	.77
1.0	.94	.89	.84	.90	.85	.80	.81	.77	.74	.73	.70	.67	.66	.64	.61	.58
2.0	.81	.73	.66	.77	.70	.63	.69	.63	.58	.62	.58	.54	.56	.52	.49	.46
3.0	.70	.61	.54	.66	.58	.52	.60	.53	.48	.54	.49	.44	.49	.44	.40	.37
4.0	.61	.52	.45	.58	.50	.43	.53	.46	.40	.48	.42	.37	.43	.38	.34	.31
5.0	.54	.45	.38	.52	.43	.37	.47	.40	.34	.43	.36	.32	.38	.33	.29	.26
6.0	.49	.39	.33	.46	.38	.32	.42	.35	.29	.38	.32	.27	.35	.29	.25	.23
7.0	.44	.35	.28	.42	.34	.28	.38	.31	.26	.35	.29	.24	.32	.26	.22	.20
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.32	.26	.21	.29	.24	.20	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.20	.29	.23	.19	.27	.22	.18	.16
10.0	.33	.25	.20	.32	.25	.19	.29	.23	.18	.27	.21	.17	.25	.20	.16	.14



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-17

γ Range: 0 - 180DEG
 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:24.00V I:0.8453A P:20.29W PF:1.000 Freq:50.00Hz Lamp Flux:297.319x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(5000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121710
MFR.: OLYMPIA	SUR.:1*0.016	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	.388	.220	.070	.373	.213	.068	.347	.199	.064	.322	.186	.060	.300	.174	.056		
2.0	.334	.183	.056	.321	.177	.054	.297	.165	.051	.274	.154	.048	.254	.143	.045		
3.0	.295	.157	.047	.284	.152	.046	.262	.142	.043	.242	.132	.041	.223	.123	.038		
4.0	.266	.138	.041	.255	.133	.039	.235	.125	.037	.217	.116	.035	.199	.108	.033		
5.0	.241	.123	.036	.232	.119	.035	.213	.111	.033	.196	.104	.031	.181	.097	.029		
6.0	.221	.111	.032	.212	.107	.031	.195	.100	.029	.180	.094	.027	.165	.087	.026		
7.0	.204	.101	.029	.196	.097	.028	.180	.091	.026	.166	.085	.025	.153	.079	.023		
8.0	.189	.092	.026	.181	.089	.025	.167	.084	.024	.154	.078	.023	.142	.073	.021		
9.0	.176	.085	.024	.169	.082	.023	.156	.077	.022	.144	.072	.021	.132	.067	.019		
10.0	.165	.079	.022	.158	.076	.021	.146	.072	.020	.135	.067	.019	.124	.062	.018		

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	.366	.366	.366	.313	.313	.313	.213	.213	.213	.123	.123	.123	.039	.039	.039	
1.0	.363	.332	.305	.310	.285	.263	.212	.196	.182	.122	.114	.106	.039	.037	.034	
2.0	.356	.310	.271	.305	.267	.234	.209	.184	.163	.120	.107	.096	.039	.035	.031	
3.0	.348	.293	.250	.299	.253	.216	.205	.176	.152	.118	.103	.089	.038	.033	.029	
4.0	.341	.281	.236	.292	.243	.205	.201	.169	.144	.116	.099	.085	.037	.032	.028	
5.0	.333	.271	.226	.286	.235	.197	.197	.164	.139	.114	.096	.082	.037	.031	.027	
6.0	.326	.264	.219	.280	.228	.191	.193	.160	.135	.112	.094	.080	.036	.031	.026	
7.0	.319	.257	.214	.274	.223	.186	.189	.156	.132	.110	.092	.079	.036	.030	.026	
8.0	.312	.252	.210	.269	.218	.183	.186	.153	.130	.108	.090	.077	.035	.030	.026	
9.0	.306	.247	.207	.263	.214	.181	.182	.151	.128	.106	.089	.076	.034	.029	.025	
10.0	.300	.243	.205	.259	.211	.179	.179	.148	.127	.105	.088	.076	.034	.029	.025	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-17

γ Range: 0 - 180DEG
 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:24.00V I:0.8453A P:20.29W PF:1.000 Freq:50.00Hz Lamp Flux:297.319x1 lm										
NAME: SF21-24V-5050-70-DMX4-RGBW(5000)					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 28mm*11.5mm			SERIAL No.:2021121710		
MFR.: OLYMPIA					SUR.:1*0.016			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	22.4	23.7	22.9	24.3	24.9	19.6	20.9	20.1	21.5	22.1
3H	25.2	26.4	25.8	27.0	27.7	21.0	22.2	21.6	22.8	23.5
4H	26.7	27.9	27.4	28.5	29.2	21.6	22.7	22.2	23.4	24.1
6H	28.5	29.6	29.1	30.2	31.0	21.9	23.0	22.6	23.7	24.4
8H	29.5	30.5	30.1	31.2	31.9	22.0	23.1	22.7	23.7	24.5
12H	30.6	31.6	31.2	32.3	33.0	22.1	23.1	22.7	23.7	24.5
4H 2H	22.9	24.1	23.6	24.7	25.4	21.0	22.2	21.6	22.8	23.5
3H	26.0	27.1	26.7	27.7	28.5	22.8	23.8	23.5	24.5	25.2
4H	27.8	28.7	28.5	29.4	30.2	23.6	24.5	24.3	25.2	26.0
6H	29.8	30.6	30.5	31.3	32.2	24.2	25.1	24.9	25.8	26.6
8H	30.9	31.6	31.6	32.4	33.2	24.4	25.2	25.2	25.9	26.8
12H	32.1	32.8	32.8	33.6	34.4	24.6	25.3	25.3	26.0	26.9
8H 4H	28.2	29.0	28.9	29.7	30.5	25.0	25.8	25.7	26.5	27.3
6H	30.5	31.1	31.2	31.9	32.8	26.1	26.7	26.8	27.5	28.4
8H	31.8	32.4	32.6	33.2	34.1	26.6	27.2	27.3	27.9	28.8
12H	33.3	33.8	34.1	34.6	35.6	27.0	27.5	27.7	28.3	29.2
12H 4H	28.2	28.9	28.9	29.7	30.5	25.5	26.2	26.2	26.9	27.8
6H	30.6	31.2	31.4	32.0	32.9	26.8	27.4	27.6	28.2	29.1
8H	32.1	32.6	32.8	33.4	34.3	27.5	28.1	28.3	28.8	29.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 297.3 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -4.2$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-17

γ Range: 0 - 180DEG
 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:24.00V I:0.8453A P:20.29W PF:1.000 Freq:50.00Hz Lamp Flux:297.319x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(5000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121710
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

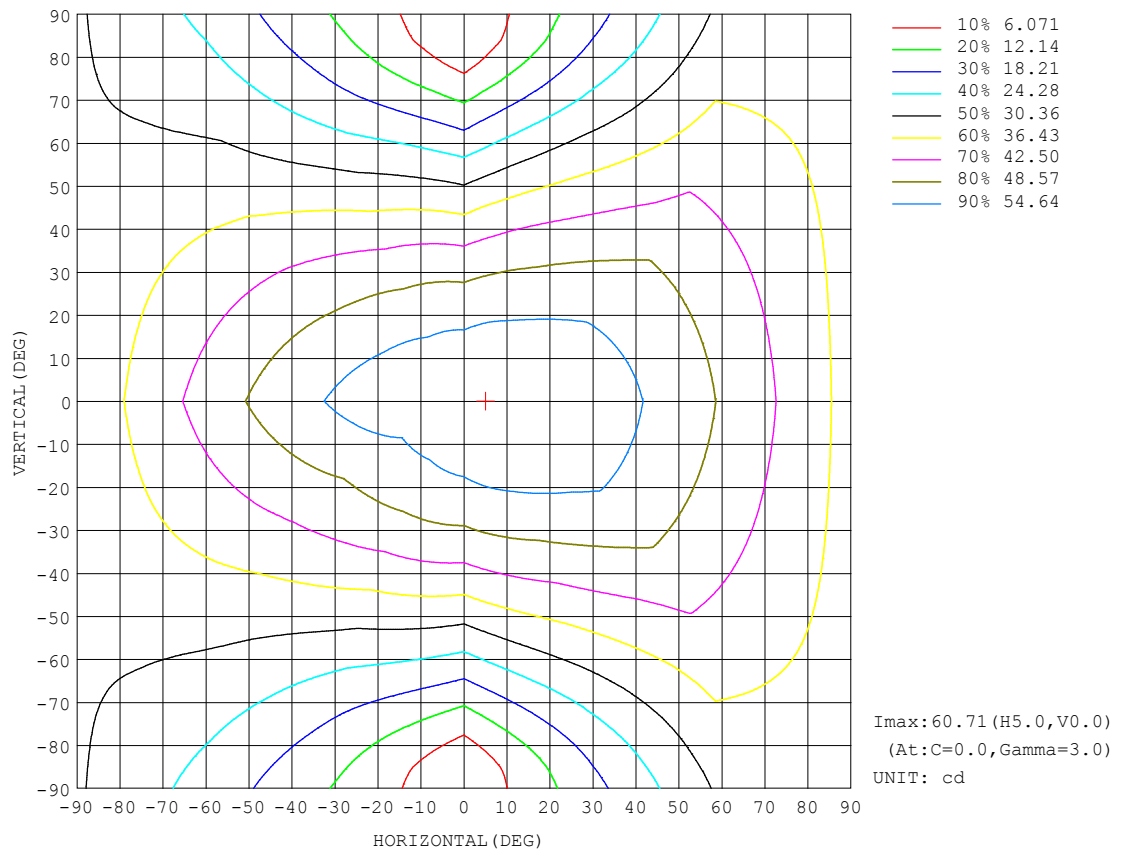
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	26	45	33	26	43	32	26	19
0.80	55	42	34	53	41	33	50	40	32	24
1.00	63	50	41	61	48	41	57	49	39	30
1.25	70	57	48	67	55	47	62	52	45	35
1.50	75	62	54	72	60	52	66	57	50	39
2.00	82	71	62	79	68	61	72	64	57	45
2.50	87	76	68	83	73	66	76	68	62	48
3.00	90	81	73	86	78	71	79	72	66	52
4.00	95	87	80	91	84	77	83	77	72	56
5.00	98	91	85	94	87	82	85	80	76	59
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:2021-12-17

γ Range: 0 - 180DEG
 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:24.00V I:0.8453A P:20.29W PF:1.000 Freq:50.00Hz Lamp Flux:297.319x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(5000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121710
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

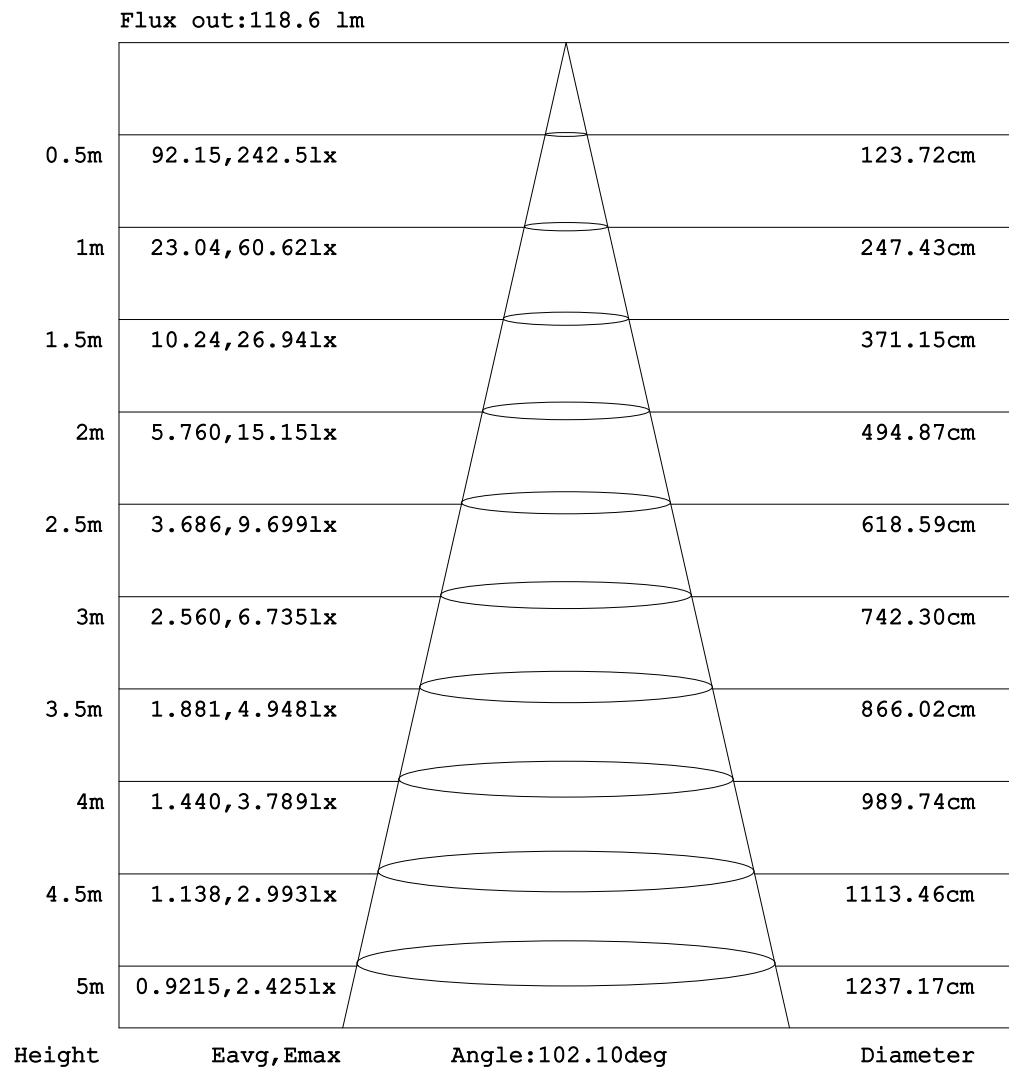


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-17

γ Range: 0 - 180DEG
 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:24.00V I:0.8453A P:20.29W PF:1.000 Freq:50.00Hz Lamp Flux:297.319x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(5000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121710
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



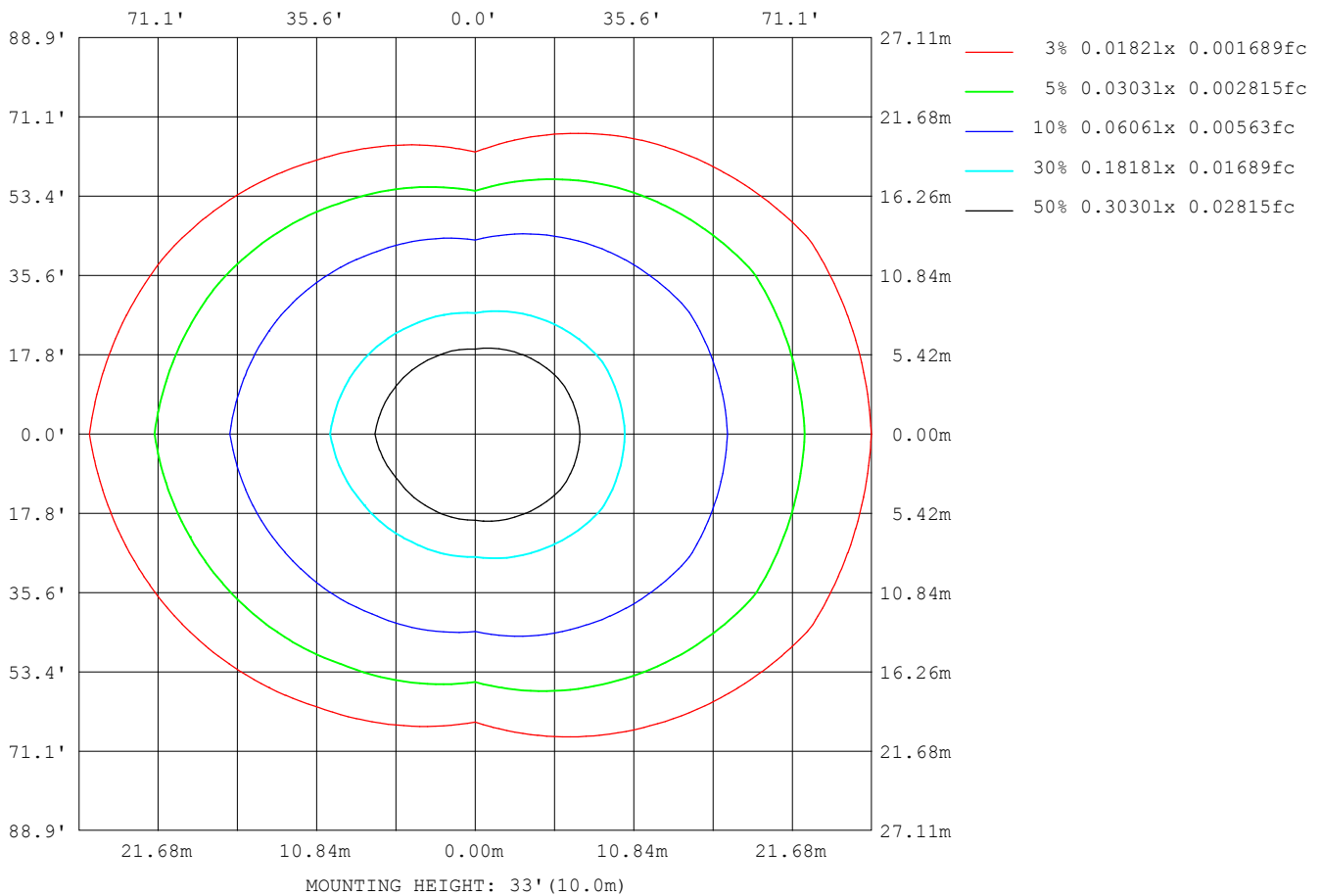
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-17

γ Range: 0 - 180DEG
 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:24.00V I:0.8453A P:20.29W PF:1.000 Freq:50.00Hz Lamp Flux:297.319x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(5000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121710
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-17

γ Range: 0 - 180DEG
 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:24.00V I:0.8453A P:20.29W PF:1.000 Freq:50.00Hz Lamp Flux:297.319x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(5000)	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121710
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

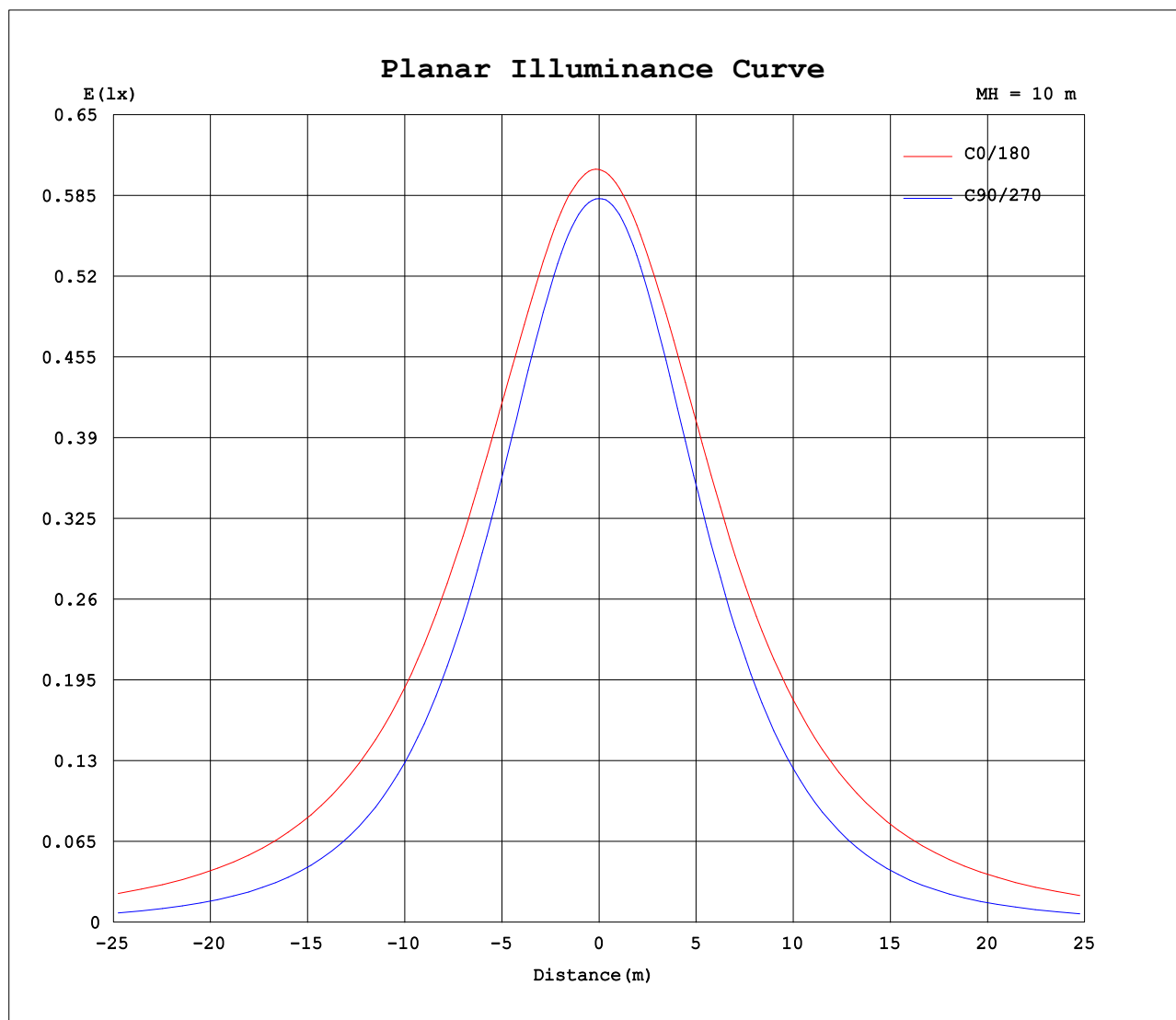
AvgL	cd/m2
L_0~180 (65) av	6543
L_0~180 (75) av	9620
L_0~180 (85) av	25175
L_90~270 (65) av	2521
L_90~270 (75) av	1850
L_90~270 (85) av	735
L_45 (65) av	4934
L_45 (75) av	6757
L_45 (85) av	16621

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-17

γ Range: 0 - 180DEG
 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: 2021-12-17

γ Range: 0 - 180DEG
 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:24.00V I:0.8453A P:20.29W PF:1.000 Freq:50.00Hz Lamp Flux:297.319x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(5000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121710
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	60.6	59.5	58.7	58.3	58.1	57.8	60.6	59.5	58.7	58.3	58.1	57.8						
5	60.7	59.9	58.8	58.0	57.5	57.1	60.2	58.7	58.1	58.0	58.2	58.4						
10	60.6	60.0	58.6	57.2	56.5	56.2	59.5	57.8	57.1	57.0	57.8	58.5						
15	60.0	59.7	57.6	55.7	54.9	55.1	58.6	56.7	55.4	55.3	56.7	58.3						
20	59.3	59.1	56.1	53.6	53.0	53.6	57.8	55.2	53.4	53.0	55.2	57.6						
25	58.6	58.0	54.2	51.0	50.7	51.8	56.8	53.4	51.0	50.2	53.1	56.8						
30	57.7	56.7	51.9	47.9	48.0	49.7	55.4	51.4	48.3	46.9	50.9	55.6						
35	56.6	55.3	49.2	44.4	45.1	47.8	53.8	49.2	45.3	43.2	48.5	54.3						
40	55.2	53.8	46.4	40.6	41.8	45.8	52.2	47.2	42.0	39.3	45.9	52.9						
45	53.5	52.0	43.3	36.4	38.4	43.5	50.7	44.9	38.6	35.1	43.0	51.3						
50	51.8	50.1	40.2	32.0	35.0	41.0	48.9	42.5	35.2	30.6	39.9	49.5						
55	50.0	47.8	37.0	27.3	31.6	38.5	46.9	39.9	31.8	25.9	36.8	47.4						
60	48.0	45.6	33.7	22.6	28.0	36.1	44.8	37.3	28.2	21.1	33.5	45.1						
65	45.8	43.4	30.3	17.7	24.5	33.6	42.7	34.8	24.7	16.4	30.2	43.0						
70	43.6	41.0	26.9	12.9	21.2	31.2	40.5	32.4	21.4	11.5	26.8	40.8						
75	41.4	38.6	23.8	8.34	18.3	28.9	38.3	30.0	18.4	6.98	23.7	38.5						
80	39.1	36.2	20.9	4.22	15.7	26.5	36.0	27.6	15.8	3.16	20.8	36.2						
85	36.7	33.9	18.4	1.28	13.5	24.2	33.5	25.2	13.5	0.77	18.2	34.0						
90	34.2	31.6	16.4	0.84	11.8	22.0	31.0	22.9	11.7	0.60	16.2	31.8						
95	31.5	29.4	14.9	0.87	10.5	20.0	28.5	20.8	10.3	0.60	14.6	29.6						
100	28.4	24.9	13.6	0.95	9.49	17.0	25.6	17.6	9.30	0.68	13.3	25.2						
105	26.0	23.5	11.7	1.15	7.10	15.9	23.5	16.6	7.04	0.76	11.4	23.9						
110	23.7	21.8	11.0	1.23	6.72	14.0	21.4	14.6	6.65	0.78	10.8	22.1						
115	21.6	20.1	10.6	1.33	6.12	12.7	18.8	13.5	5.96	0.80	9.56	20.4						
120	19.7	18.6	9.77	1.44	5.69	11.5	17.3	12.2	5.62	1.02	9.18	18.7						
125	18.1	17.2	8.71	1.53	5.16	10.5	15.8	10.9	4.97	1.27	8.47	17.3						
130	16.5	15.7	7.43	1.61	4.68	9.36	14.1	9.80	4.44	1.52	7.79	15.9						
135	15.0	12.9	6.13	1.69	4.21	8.28	12.5	8.65	4.15	1.75	7.18	13.5						
140	13.5	10.7	5.36	1.74	3.84	7.13	10.6	7.33	3.73	1.98	6.35	10.9						
145	12.0	9.10	5.19	1.79	3.18	6.14	9.09	6.37	3.29	2.20	5.74	9.10						
150	10.3	7.12	4.96	2.06	2.60	4.85	7.83	5.46	2.76	2.41	5.18	7.86						
155	8.65	5.63	4.95	2.31	2.00	4.25	6.79	4.37	2.10	2.56	4.91	6.58						
160	7.08	4.74	5.02	2.56	1.94	3.20	5.58	3.78	1.70	2.69	5.05	5.55						
165	5.99	4.25	4.99	2.81	1.48	2.05	4.85	2.65	1.53	2.80	5.06	4.64						
170	3.08	4.15	4.85	2.98	1.46	1.49	2.50	1.50	1.49	2.93	4.86	4.62						
175	2.58	3.96	4.65	3.07	1.43	1.43	1.95	1.49	1.44	3.10	4.71	4.42						
180	1.49	1.47	2.86	3.11	3.10	2.61	1.50	1.49	2.39	3.27	3.14	2.56						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-17

γ Range: 0 - 180DEG
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	60.60	59.49	58.70	58.26	58.09	57.84	60.60	59.49	58.70	58.26
3.0	60.70	59.81	58.85	58.17	57.77	57.40	60.40	59.06	58.40	58.20
6.0	60.66	59.92	58.81	57.92	57.31	56.90	60.07	58.56	57.95	57.92
9.0	60.62	59.97	58.70	57.43	56.70	56.38	59.66	57.99	57.32	57.30
12.0	60.38	59.93	58.25	56.66	55.88	55.78	59.17	57.38	56.47	56.41
15.0	60.03	59.73	57.61	55.65	54.91	55.12	58.63	56.68	55.44	55.34
18.0	59.59	59.42	56.78	54.46	53.81	54.27	58.13	55.88	54.25	54.00
21.0	59.16	58.84	55.77	53.10	52.56	53.28	57.60	54.91	52.94	52.46
24.0	58.76	58.24	54.61	51.52	51.18	52.22	56.98	53.83	51.49	50.79
27.0	58.30	57.46	53.30	49.77	49.68	50.97	56.26	52.67	49.90	48.94
30.0	57.75	56.68	51.88	47.89	48.03	49.74	55.43	51.38	48.25	46.88
33.0	57.08	55.85	50.30	45.82	46.28	48.54	54.48	50.05	46.50	44.77
36.0	56.33	55.03	48.67	43.62	44.42	47.40	53.42	48.85	44.65	42.54
39.0	55.48	54.15	46.96	41.35	42.48	46.16	52.49	47.61	42.70	40.09
42.0	54.52	53.15	45.17	38.93	40.44	44.86	51.62	46.30	40.67	37.60
45.0	53.47	52.05	43.32	36.37	38.40	43.47	50.65	44.93	38.60	35.06
48.0	52.42	50.91	41.43	33.81	36.40	42.02	49.61	43.46	36.58	32.31
51.0	51.46	49.66	39.53	31.08	34.37	40.50	48.49	41.95	34.55	29.65
54.0	50.38	48.28	37.61	28.28	32.28	38.99	47.30	40.41	32.47	26.76
57.0	49.22	46.93	35.65	25.48	30.14	37.54	46.05	38.88	30.37	23.95
60.0	47.97	45.59	33.66	22.59	28.02	36.05	44.80	37.32	28.23	21.08
63.0	46.70	44.27	31.65	19.67	25.90	34.57	43.52	35.83	26.10	18.18
66.0	45.39	42.90	29.61	16.78	23.81	33.16	42.23	34.37	24.00	15.36
69.0	44.08	41.48	27.58	13.84	21.81	31.72	40.92	32.88	21.99	12.50
72.0	42.76	39.99	25.63	11.03	19.97	30.29	39.61	31.44	20.10	9.748
75.0	41.42	38.56	23.82	8.341	18.27	28.90	38.26	30.00	18.36	6.984
78.0	40.04	37.15	22.03	5.758	16.70	27.44	36.91	28.57	16.77	4.545
81.0	38.62	35.76	20.34	3.497	15.27	26.01	35.52	27.10	15.31	2.573
84.0	37.16	34.39	18.84	1.769	13.92	24.63	34.06	25.65	13.95	0.9497
87.0	35.66	33.00	17.53	0.9092	12.75	23.25	32.51	24.21	12.73	0.6337
90.0	34.15	31.63	16.42	0.8393	11.75	21.98	30.99	22.89	11.69	0.5958
93.0	32.57	30.26	15.46	0.8594	10.93	20.81	29.52	21.63	10.83	0.5994
96.0	31.02	28.98	14.60	0.8746	10.26	19.70	28.07	20.46	10.12	0.6030
99.0	29.48	26.15	13.85	0.9199	9.677	17.18	26.31	17.92	9.536	0.6430
102.0	27.39	24.42	13.09	1.081	8.600	16.60	24.77	17.21	8.537	0.7486
105.0	25.98	23.45	11.66	1.146	7.099	15.92	23.52	16.58	7.042	0.7638
108.0	24.59	22.47	11.43	1.191	6.810	15.18	22.29	15.68	6.988	0.7689
111.0	23.24	21.44	10.84	1.236	6.575	13.70	21.03	14.44	6.481	0.7839
114.0	21.98	20.42	10.54	1.302	6.248	12.98	19.09	13.83	6.075	0.7989
117.0	20.80	19.46	10.41	1.387	5.881	12.17	18.17	13.07	5.814	0.8841
120.0	19.72	18.58	9.769	1.443	5.690	11.54	17.31	12.24	5.623	1.020
123.0	18.72	17.75	8.801	1.508	5.444	10.93	16.38	11.43	5.371	1.171
126.0	17.77	17.00	8.555	1.553	5.107	10.31	15.48	10.64	4.880	1.321
129.0	16.86	16.23	7.748	1.598	4.846	9.622	14.58	10.00	4.597	1.482
132.0	15.93	14.64	6.853	1.649	4.474	8.869	13.52	9.275	4.362	1.613
135.0	15.01	12.95	6.129	1.689	4.212	8.276	12.53	8.651	4.146	1.749
138.0	14.11	11.60	5.611	1.729	4.011	7.637	10.95	7.527	3.889	1.894
141.0	13.21	10.39	5.288	1.754	3.730	6.833	10.37	7.183	3.638	2.035
144.0	12.32	9.466	5.210	1.779	3.273	6.316	9.271	6.550	3.391	2.151
147.0	11.37	8.379	5.162	1.825	3.021	5.570	8.520	6.037	3.090	2.276
150.0	10.32	7.123	4.956	2.061	2.605	4.845	7.828	5.459	2.758	2.407
153.0	9.267	6.144	4.860	2.217	2.238	4.557	7.156	4.947	2.386	2.503
156.0	8.361	5.381	4.985	2.358	2.035	4.049	6.650	4.293	1.900	2.583
159.0	7.240	4.864	5.025	2.513	2.287	3.406	5.912	3.881	2.071	2.663
162.0	6.687	4.532	5.006	2.659	1.675	2.727	5.255	3.284	1.551	2.744
165.0	5.988	4.247	4.988	2.810	1.481	2.051	4.847	2.645	1.527	2.799
168.0	3.280	4.175	4.936	2.915	1.468	2.078	2.728	1.907	1.502	2.869
171.0	2.986	4.136	4.815	3.016	1.452	1.476	2.376	1.501	1.477	2.955
174.0	2.675	3.990	4.695	3.066	1.437	1.441	2.059	1.492	1.452	3.055
177.0	2.353	3.839	4.524	3.111	1.422	1.407	1.632	1.483	1.427	3.171
180.0	1.493	1.473	2.860	3.111	3.096	2.608	1.498	1.488	2.387	3.267
G/C	300.0	330.0								
0.0	58.09	57.84								
3.0	58.20	58.18								
6.0	58.17	58.43								
9.0	57.94	58.51								
12.0	57.45	58.49								
15.0	56.75	58.28								
18.0	55.86	57.94								
21.0	54.79	57.50								
24.0	53.56	56.96								
27.0	52.29	56.37								
30.0	50.94	55.63								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-17

γ Range: 0 - 180DEG
 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:

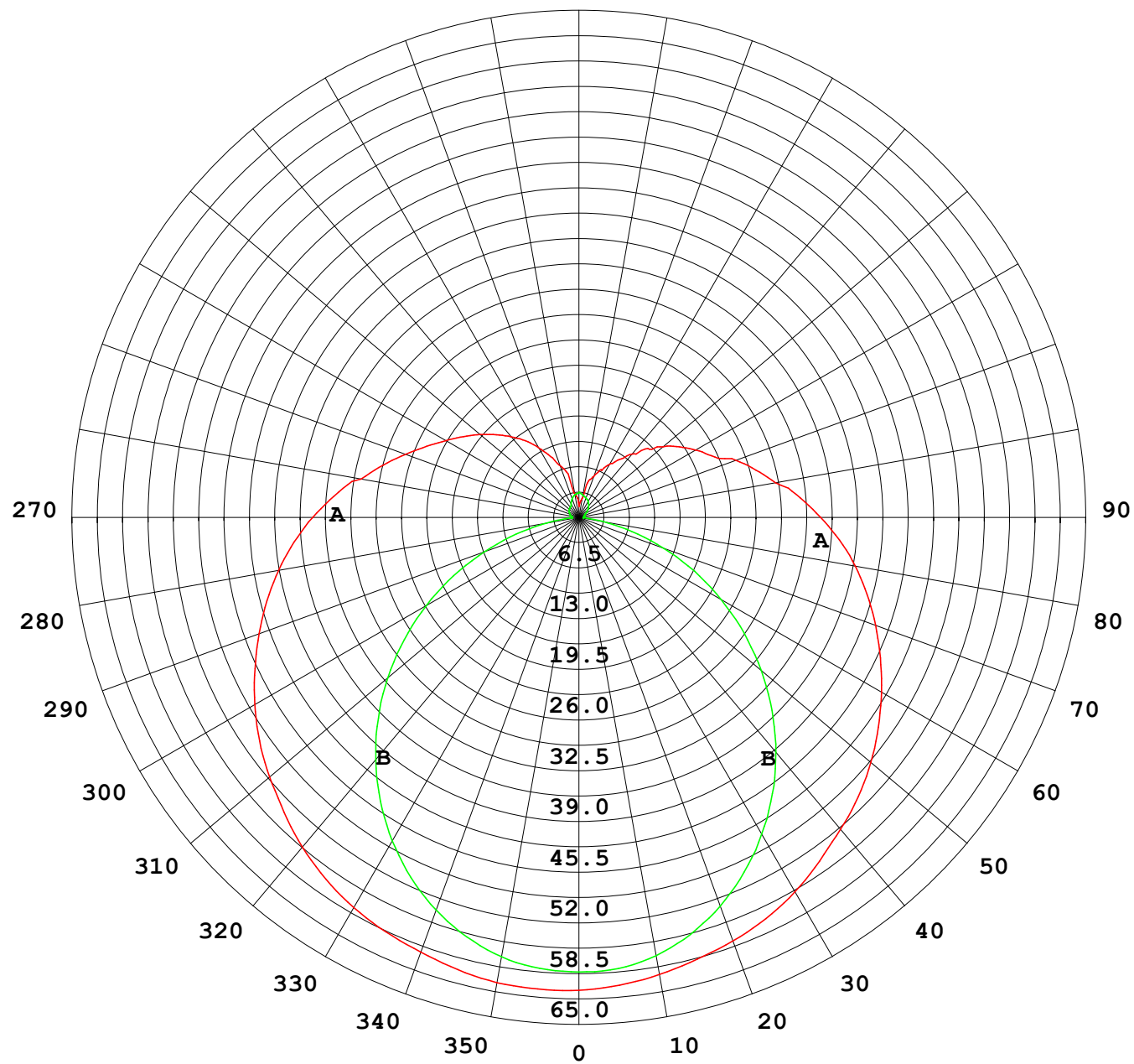
Photometric Data Table [cd]

33.0	49.52	54.81
36.0	48.02	54.00
39.0	46.47	53.18
42.0	44.83	52.28
45.0	43.05	51.29
48.0	41.18	50.21
51.0	39.29	49.05
54.0	37.39	47.84
57.0	35.46	46.51
60.0	33.49	45.12
63.0	31.49	43.89
66.0	29.49	42.61
69.0	27.47	41.26
72.0	25.49	39.90
75.0	23.67	38.50
78.0	21.91	37.11
81.0	20.20	35.77
84.0	18.66	34.45
87.0	17.32	33.08
90.0	16.17	31.78
93.0	15.20	30.46
96.0	14.34	29.20
99.0	13.56	26.60
102.0	12.85	24.72
105.0	11.36	23.91
108.0	10.87	22.84
111.0	10.53	21.74
114.0	10.37	20.70
117.0	9.853	19.70
120.0	9.182	18.72
123.0	8.659	17.82
126.0	8.331	17.01
129.0	7.914	16.17
132.0	7.583	14.87
135.0	7.180	13.50
138.0	6.652	11.23
141.0	6.205	10.69
144.0	5.834	9.289
147.0	5.522	8.591
150.0	5.180	7.862
153.0	4.855	7.165
156.0	4.946	6.340
159.0	5.039	5.792
162.0	5.063	5.163
165.0	5.056	4.645
168.0	4.975	4.639
171.0	4.814	4.589
174.0	4.709	4.499
177.0	4.608	4.338
180.0	3.136	2.558

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-17

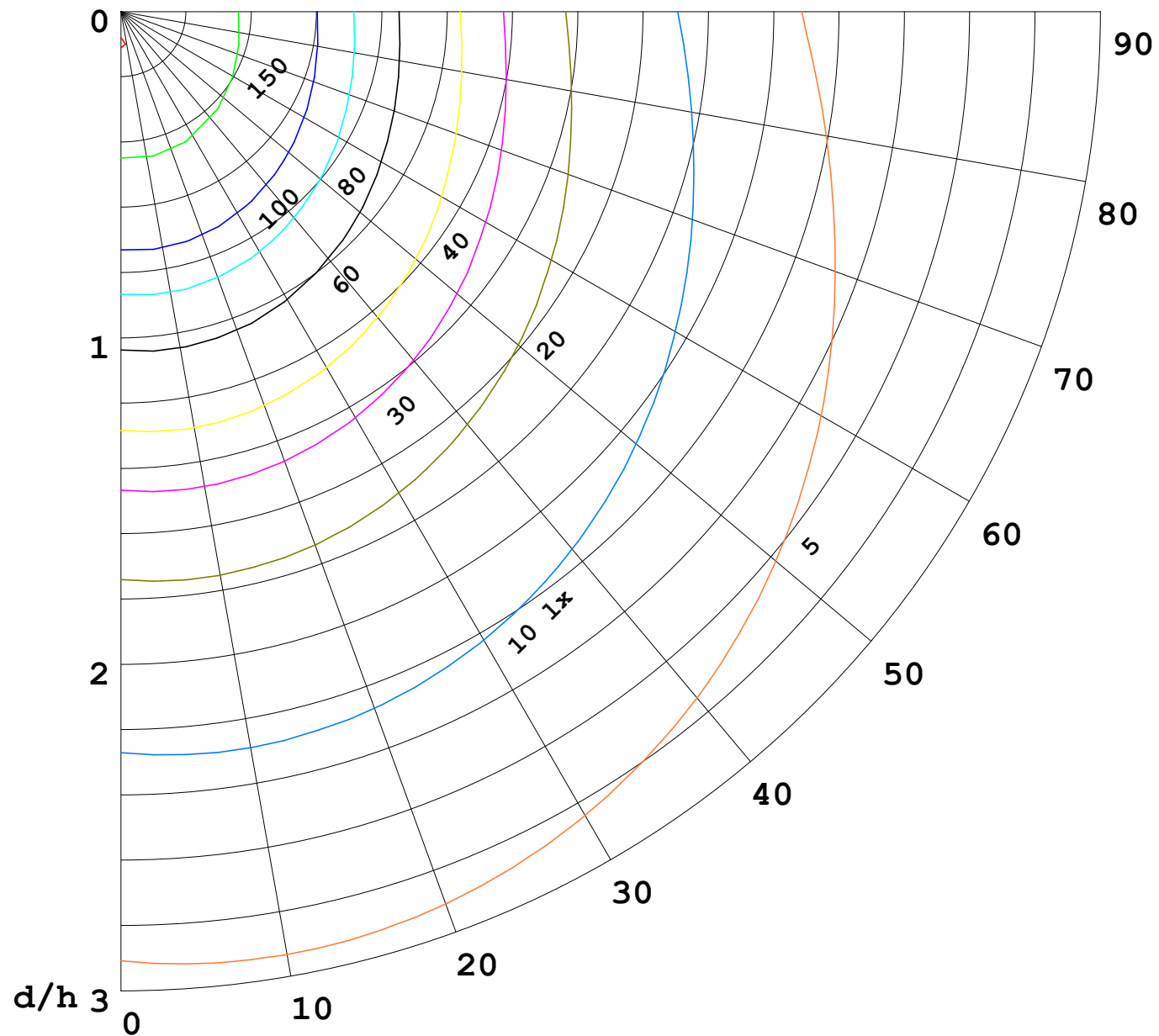
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

