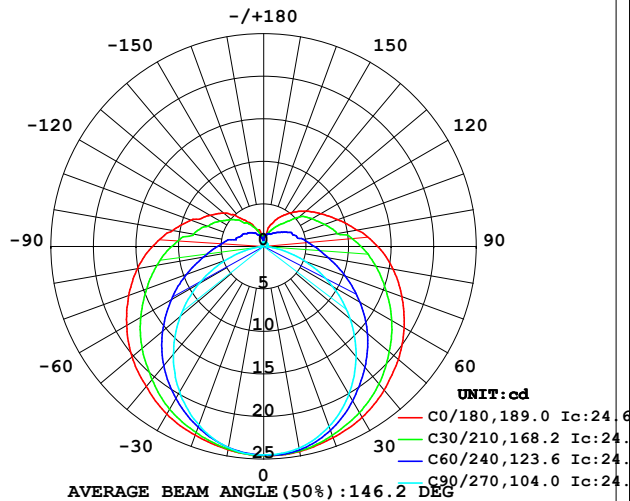


LUMINAIRE PHOTOMETRIC TEST REPORT

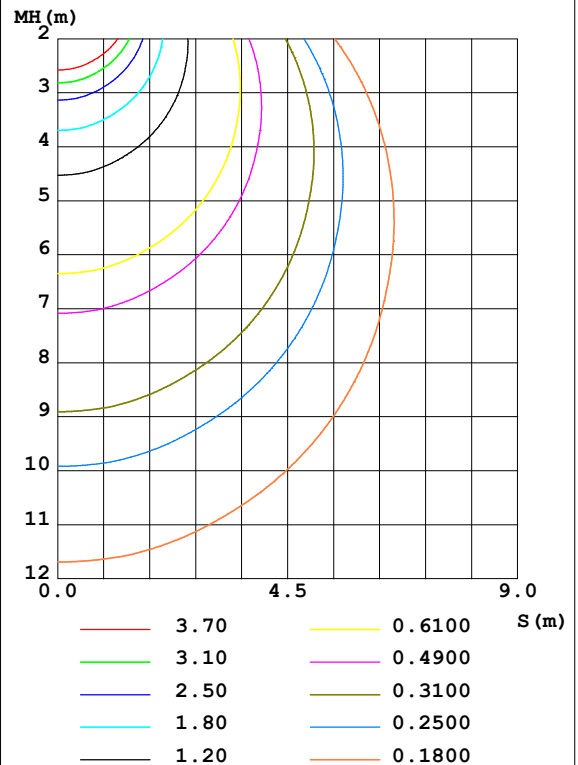
Test:U:24.00V I:0.2360A P:5.664W PF:1.000 Freq:50.00Hz Lamp Flux:122.486x1 lm		
NAME: SF21-24V-5050-70-SPI3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121312
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 21.63 lm/W			
MODEL	5050	I _{max} (cd)	24.60	S/MH (C0/180)	1.39
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	122.49	η UP, DN (C0-180)	11.4, 38.8
NOMINAL FLUX (lm)	122.486	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.2, 38.6
LAMPS INSIDE	1	η up (%)	22.6	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24	η down (%)	77.4	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: 2021-12-13

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	24.47	24.34	24.07	24.05	24.25	24.09	24.01	24.31	0- 10	2.327	2.327	1.9,1.9
20	23.91	23.30	22.52	22.93	23.60	22.92	22.31	23.24	10- 20	6.701	9.028	7.37,7.37
30	23.17	21.74	20.07	21.38	22.77	21.37	19.77	21.68	20- 30	10.32	19.35	15.8,15.8
40	22.04	19.81	16.91	19.33	21.48	19.36	16.50	19.84	30- 40	12.87	32.21	26.3,26.3
50	20.67	17.59	13.27	17.06	20.21	17.09	12.82	17.71	40- 50	14.17	46.38	37.9,37.9
60	19.06	15.22	9.324	14.59	18.60	14.62	8.818	15.34	50- 60	14.24	60.62	49.5,49.5
70	17.29	12.78	5.299	12.15	16.89	12.17	4.843	12.93	60- 70	13.20	73.82	60.3,60.3
80	15.45	10.56	1.636	9.969	15.07	9.966	1.344	10.70	70- 80	11.43	85.25	69.6,69.6
90	13.40	8.712	0.3853	8.142	13.07	8.137	0.2332	8.853	80- 90	9.506	94.76	77.4,77.4
100	11.13	6.780	0.3921	6.395	10.88	6.350	0.2678	6.879	90-100	7.816	102.6	83.7,83.7
110	9.259	5.747	0.4213	5.136	9.105	5.099	0.2826	5.877	100-110	6.069	108.6	88.7,88.7
120	7.741	4.941	0.4423	4.317	7.336	4.411	0.2914	4.948	110-120	4.775	113.4	92.6,92.6
130	6.475	4.005	0.4765	3.636	6.095	3.699	0.3517	4.009	120-130	3.651	117.1	95.6,95.6
140	5.238	2.849	0.5026	2.960	4.371	2.903	0.3769	2.737	130-140	2.511	119.6	97.6,97.6
150	4.057	2.133	0.5310	2.269	3.190	2.317	0.4674	2.033	140-150	1.551	121.1	98.9,98.9
160	2.861	1.686	0.5391	1.676	1.971	1.654	0.5262	1.599	150-160	0.8692	122.0	99.6,99.6
170	1.267	1.374	0.5472	1.106	1.115	1.156	0.5336	1.391	160-170	0.3954	122.4	99.9,99.9
180	0.5880	0.5729	0.5579	0.5579	0.5880	0.5754	0.5378	0.5528	170-180	0.0930	122.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 39.21 lm

%lum = 32.0%

%lamp = 32.0%

Conical surface Flux(120deg): 60.622 lm

%lum = 49.5%

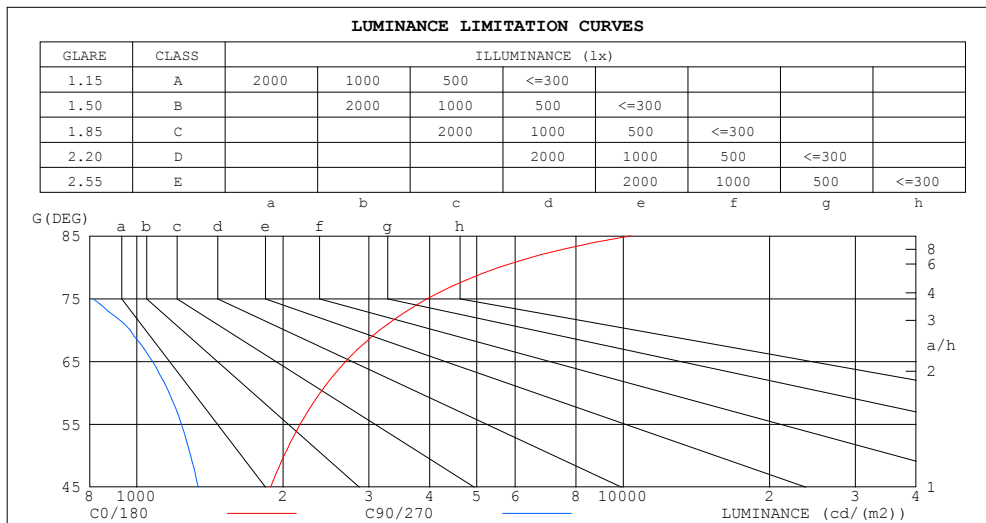
%lamp = 49.5%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-13

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:0.2360A P:5.664W PF:1.000 Freq:50.00Hz Lamp Flux:122.486x1 lm		
NAME: SF21-24V-5050-70-SPI3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121312
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



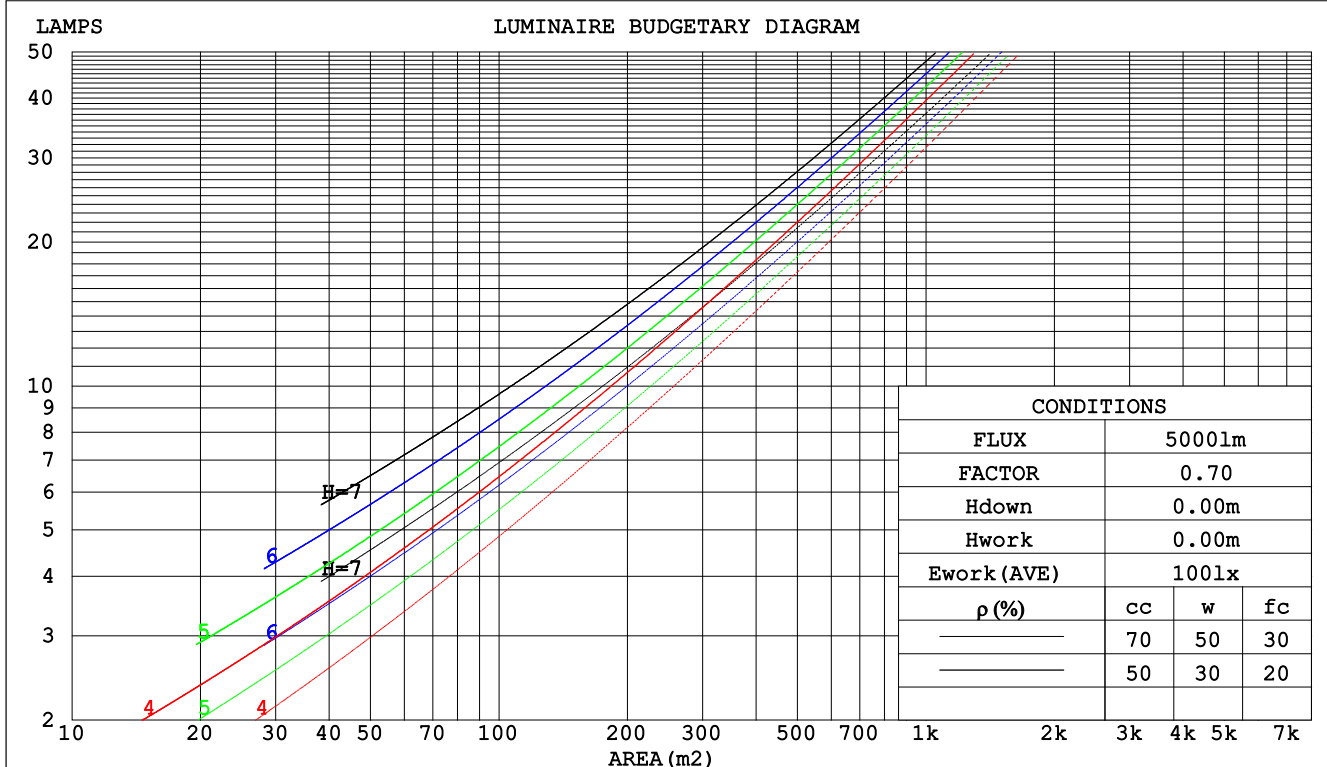
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-13

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:0.2360A P:5.664W PF:1.000 Freq:50.00Hz Lamp Flux:122.486x1 lm		
NAME: SF21-24V-5050-70-SPI3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121312
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	.99	.99	.99	.90	.90	.90	.81	.81	.81	.77
1.0	.94	.89	.84	.90	.85	.81	.81	.77	.74	.74	.70	.68	.66	.64	.62	.58
2.0	.81	.73	.66	.77	.70	.64	.69	.64	.59	.63	.58	.54	.56	.53	.49	.46
3.0	.70	.61	.54	.67	.58	.52	.60	.54	.48	.54	.49	.44	.49	.45	.41	.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	.37	.32	.39	.34	.29	.27
6.0	.49	.39	.33	.46	.38	.32	.42	.35	.30	.39	.32	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.42	.34	.28	.38	.31	.26	.35	.29	.24	.32	.27	.23	.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	.20	.30	.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:2021-12-13

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:0.2360A P:5.664W PF:1.000 Freq:50.00Hz Lamp Flux:122.486x1 lm		
NAME: SF21-24V-5050-70-SPI3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121312
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 Coefficients(WEC)										
0.0																	
1.0	.387	.220	.070	.373	.213	.068	.347	.199	.064	.322	.186	.060	.300	.174	.056		
2.0	.333	.183	.056	.321	.177	.054	.297	.165	.051	.275	.154	.048	.254	.144	.045		
3.0	.295	.157	.047	.284	.152	.046	.262	.142	.043	.242	.133	.041	.223	.124	.038		
4.0	.266	.138	.041	.255	.133	.039	.235	.125	.037	.217	.117	.035	.200	.109	.033		
5.0	.241	.123	.036	.232	.119	.035	.214	.111	.033	.197	.104	.031	.181	.097	.029		
6.0	.221	.111	.032	.212	.107	.031	.196	.100	.029	.180	.094	.028	.166	.087	.026		
7.0	.204	.101	.029	.196	.097	.028	.181	.091	.026	.166	.085	.025	.153	.080	.023		
8.0	.189	.092	.026	.181	.089	.025	.168	.084	.024	.155	.078	.023	.142	.073	.021		
9.0	.176	.085	.024	.169	.082	.023	.156	.077	.022	.144	.072	.021	.133	.067	.019		
10.0	.165	.079	.022	.158	.076	.021	.146	.072	.020	.135	.067	.019	.125	.063	.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	.363	.363	.363	.310	.310	.310	.212	.212	.212	.122	.122	.122	.039	.039	.039		
1.0	.360	.329	.302	.308	.283	.260	.210	.194	.180	.121	.113	.105	.039	.036	.034		
2.0	.353	.307	.268	.302	.264	.232	.207	.183	.162	.119	.106	.095	.038	.034	.031		
3.0	.345	.290	.247	.296	.251	.214	.203	.174	.150	.117	.102	.088	.038	.033	.029		
4.0	.338	.278	.233	.290	.240	.202	.199	.167	.142	.115	.098	.084	.037	.032	.028		
5.0	.330	.268	.223	.283	.232	.194	.195	.162	.137	.113	.095	.081	.036	.031	.027		
6.0	.323	.261	.216	.277	.226	.188	.191	.158	.133	.111	.093	.079	.036	.030	.026		
7.0	.316	.254	.211	.271	.220	.184	.188	.154	.130	.109	.091	.078	.035	.030	.026		
8.0	.309	.249	.207	.266	.216	.181	.184	.151	.128	.107	.089	.076	.035	.029	.025		
9.0	.303	.244	.204	.261	.212	.178	.181	.149	.126	.105	.088	.075	.034	.029	.025		
10.0	.297	.240	.202	.256	.208	.176	.178	.146	.125	.104	.087	.075	.034	.028	.025		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-13

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:0.2360A P:5.664W PF:1.000 Freq:50.00Hz Lamp Flux:122.486x1 lm										
NAME: SF21-24V-5050-70-SPI3-RGB-G					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 28mm*11.5mm			SERIAL No.:2021121312		
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	22.0	23.3	22.5	23.9	24.5	19.3	20.7	19.9	21.2	21.9
3H	24.8	26.0	25.4	26.6	27.3	20.8	22.0	21.4	22.6	23.3
4H	26.4	27.5	27.0	28.1	28.9	21.3	22.5	21.9	23.1	23.8
6H	28.1	29.2	28.8	29.8	30.6	21.6	22.7	22.3	23.4	24.1
8H	29.1	30.2	29.7	30.8	31.6	21.7	22.8	22.3	23.4	24.2
12H	30.2	31.2	30.9	31.9	32.7	21.7	22.7	22.4	23.4	24.2
4H 2H	22.5	23.7	23.1	24.3	25.0	20.6	21.8	21.3	22.4	23.1
3H	25.6	26.6	26.2	27.3	28.0	22.4	23.4	23.1	24.1	24.8
4H	27.4	28.3	28.0	29.0	29.8	23.2	24.1	23.9	24.8	25.6
6H	29.3	30.2	30.0	30.9	31.7	23.8	24.6	24.5	25.3	26.1
8H	30.4	31.2	31.2	31.9	32.8	24.0	24.7	24.7	25.5	26.3
12H	31.7	32.4	32.4	33.1	34.0	24.1	24.8	24.8	25.5	26.4
8H 4H	27.7	28.5	28.4	29.2	30.0	24.5	25.2	25.2	26.0	26.8
6H	30.0	30.7	30.7	31.4	32.3	25.5	26.2	26.3	26.9	27.8
8H	31.3	31.9	32.1	32.7	33.6	26.0	26.6	26.7	27.3	28.2
12H	32.8	33.4	33.6	34.1	35.1	26.3	26.9	27.1	27.6	28.6
12H 4H	27.7	28.4	28.4	29.2	30.0	24.9	25.6	25.6	26.4	27.2
6H	30.1	30.7	30.9	31.5	32.4	26.2	26.8	27.0	27.6	28.5
8H	31.5	32.1	32.3	32.8	33.8	26.9	27.4	27.7	28.2	29.1
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	+ 0.2 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117, 122.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.3)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-13

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:0.2360A P:5.664W PF:1.000 Freq:50.00Hz Lamp Flux:122.486x1 lm		
NAME: SF21-24V-5050-70-SPI3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121312
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

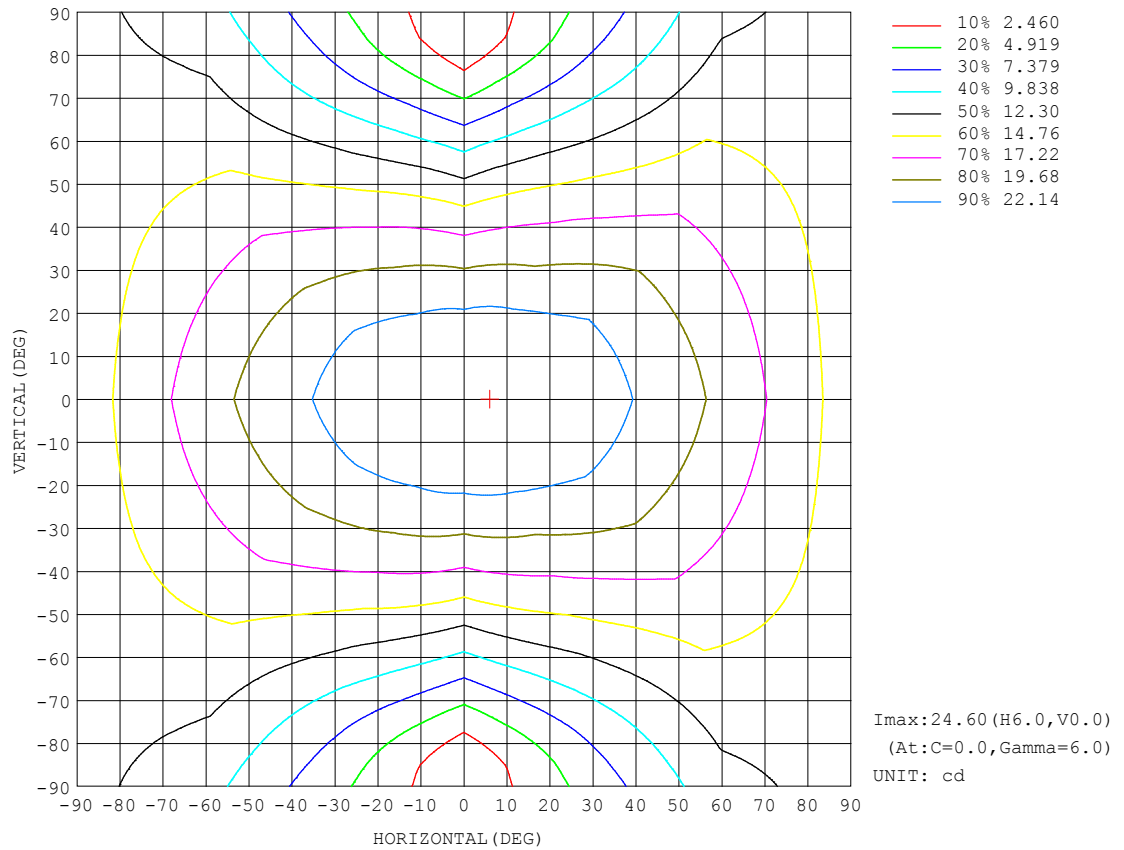
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	54	41	34	50	40	33	25
1.00	63	50	41	61	49	41	57	49	39	30
1.25	70	57	48	67	55	47	62	53	45	35
1.50	75	63	54	72	61	53	67	57	50	39
2.00	82	71	62	79	69	61	73	64	58	45
2.50	87	76	68	83	74	66	76	68	62	49
3.00	91	81	73	87	78	71	79	72	67	52
4.00	95	87	80	91	84	78	83	77	72	57
5.00	98	91	85	94	88	82	86	81	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: 2021-12-13

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:0.2360A P:5.664W PF:1.000 Freq:50.00Hz Lamp Flux:122.486x1 lm		
NAME: SF21-24V-5050-70-SPI3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121312
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

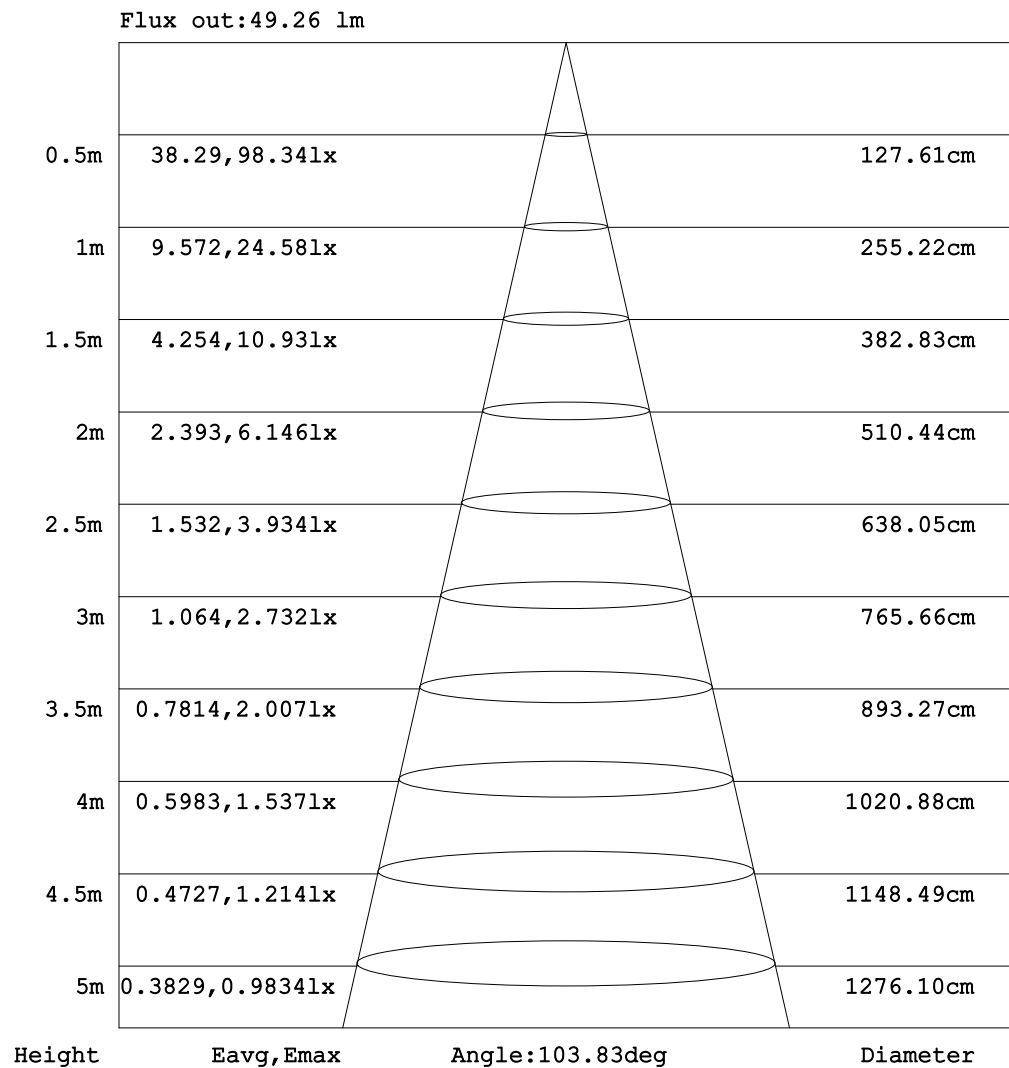


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-13

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:0.2360A P:5.664W PF:1.000 Freq:50.00Hz Lamp Flux:122.486x1 lm		
NAME: SF21-24V-5050-70-SPI3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121312
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



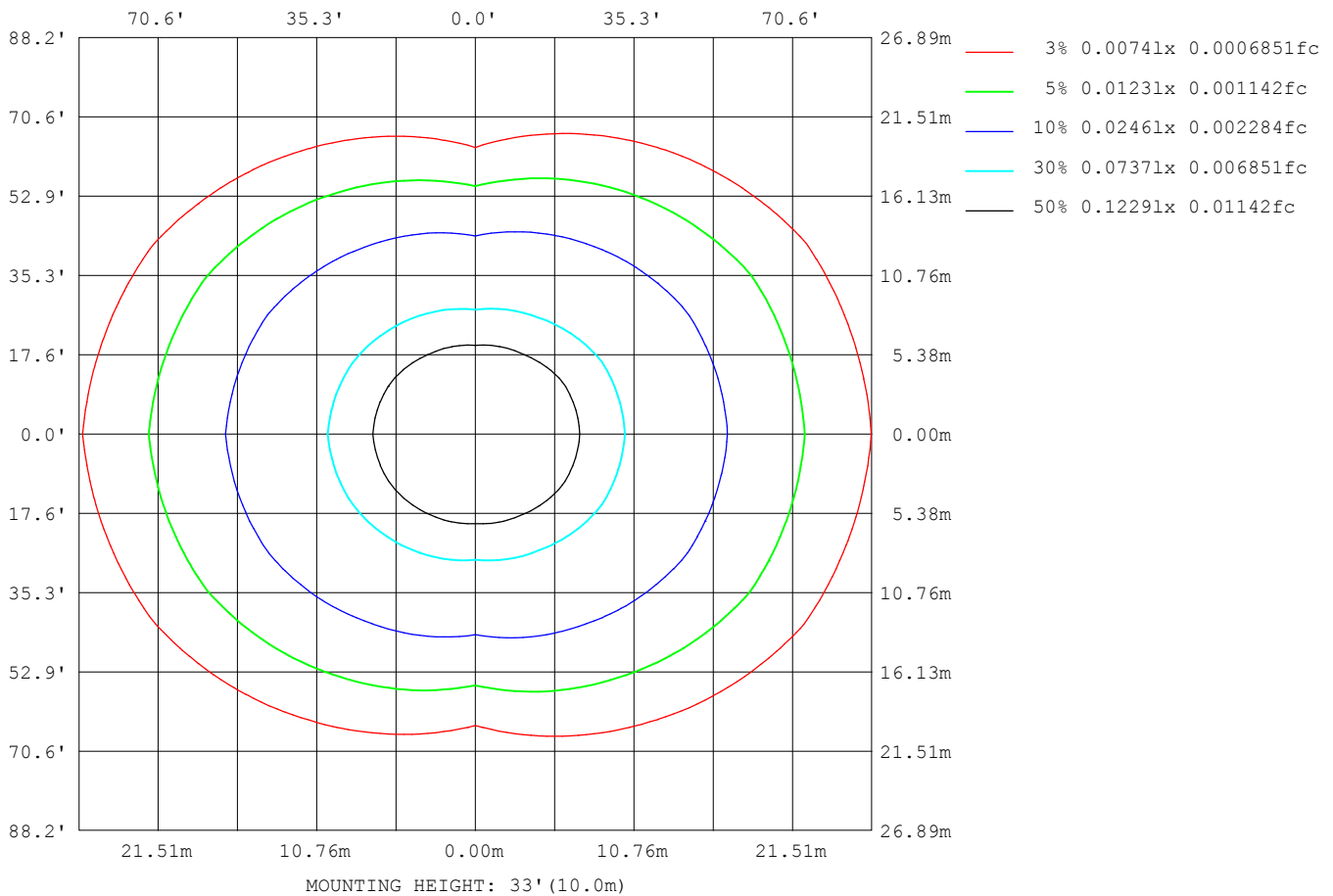
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-13

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:0.2360A P:5.664W PF:1.000 Freq:50.00Hz Lamp Flux:122.486x1 lm		
NAME: SF21-24V-5050-70-SPI3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121312
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:2021-12-13

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:0.2360A P:5.664W PF:1.000 Freq:50.00Hz Lamp Flux:122.486x1 lm		
NAME: SF21-24V-5050-70-SPI3-RGB-G	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121312
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

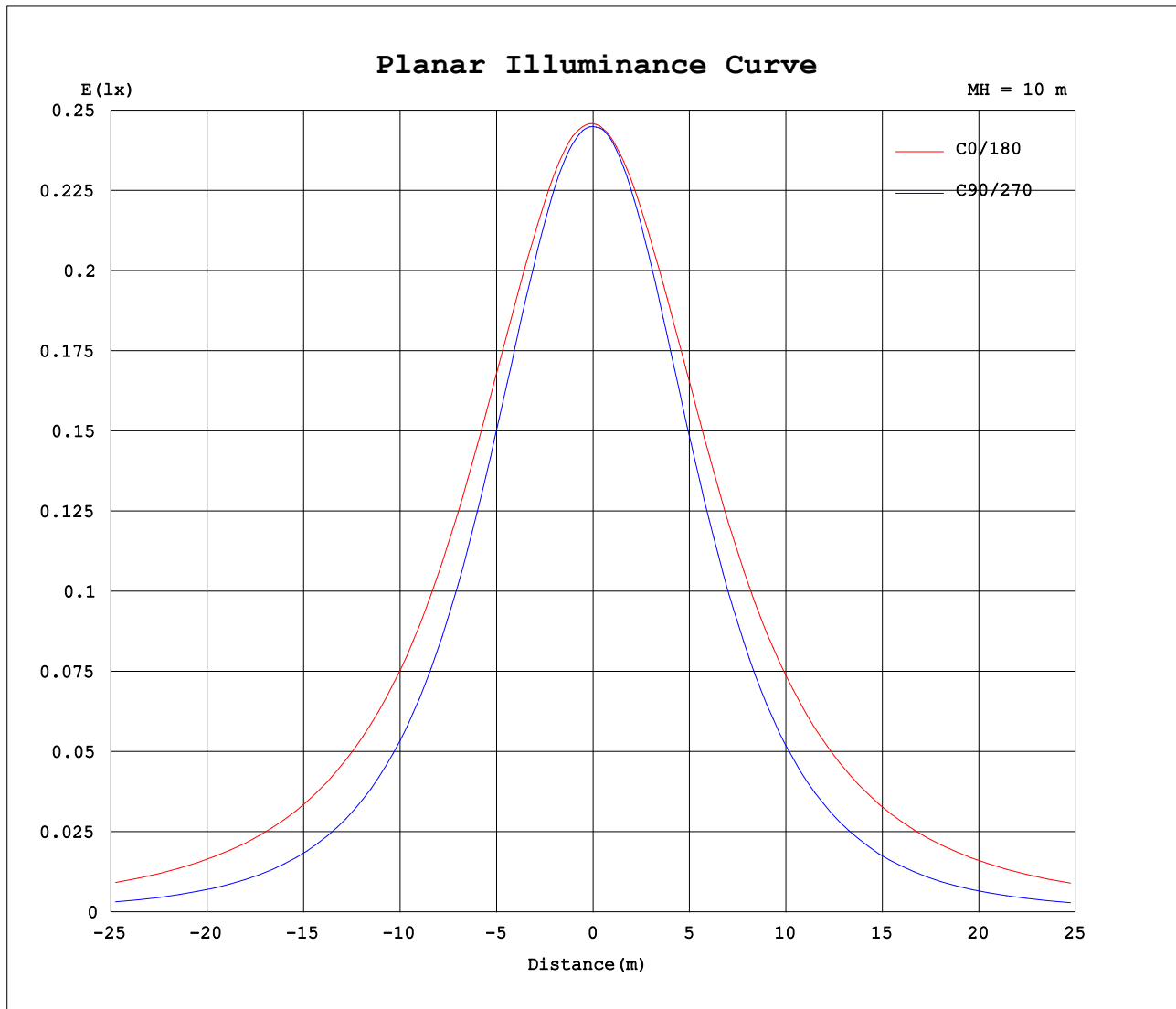
AvgL	cd/m2
L_0~180 (65) av	2657
L_0~180 (75) av	3911
L_0~180 (85) av	10243
L_90~270 (65) av	1041
L_90~270 (75) av	764
L_90~270 (85) av	274
L_45 (65) av	2050
L_45 (75) av	2794
L_45 (85) av	6881

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-13

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: 2021-12-13

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:0.2360A P:5.664W PF:1.000 Freq:50.00Hz Lamp Flux:122.486x1 lm		
NAME: SF21-24V-5050-70-SPI3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121312
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	24.6	24.6	24.5	24.5	24.5	24.5	24.6	24.6	24.5	24.5	24.5	24.5						
5	24.6	24.6	24.5	24.4	24.4	24.4	24.5	24.5	24.4	24.4	24.4	24.4						
10	24.5	24.4	24.3	24.1	24.0	24.1	24.2	24.2	24.0	24.0	24.2	24.5						
15	24.2	24.1	23.7	23.4	23.5	23.7	23.9	23.8	23.4	23.3	23.6	24.1						
20	23.9	23.6	23.0	22.5	22.7	23.2	23.6	23.3	22.6	22.3	22.9	23.6						
25	23.6	23.1	22.0	21.4	21.8	22.6	23.2	22.7	21.7	21.1	21.9	23.1						
30	23.2	22.5	20.9	20.1	20.8	22.0	22.8	22.1	20.6	19.8	20.8	22.6						
35	22.7	21.9	19.7	18.6	19.6	21.2	22.2	21.3	19.5	18.2	19.6	22.0						
40	22.0	21.1	18.5	16.9	18.4	20.3	21.5	20.4	18.3	16.5	18.4	21.3						
45	21.3	20.2	17.3	15.1	17.0	19.4	20.9	19.5	17.0	14.7	17.3	20.4						
50	20.7	19.3	15.9	13.3	15.6	18.5	20.2	18.7	15.5	12.8	16.0	19.5						
55	19.9	18.4	14.5	11.3	14.1	17.6	19.4	17.7	14.0	10.8	14.6	18.5						
60	19.1	17.4	13.0	9.32	12.6	16.5	18.6	16.7	12.5	8.82	13.1	17.6						
65	18.2	16.4	11.6	7.28	11.2	15.5	17.8	15.7	11.1	6.79	11.7	16.6						
70	17.3	15.3	10.2	5.30	9.77	14.5	16.9	14.7	9.69	4.84	10.3	15.6						
75	16.4	14.3	8.91	3.36	8.46	13.6	16.0	13.7	8.35	2.96	8.96	14.6						
80	15.4	13.4	7.73	1.64	7.32	12.6	15.1	12.7	7.19	1.34	7.76	13.6						
85	14.5	12.4	6.75	0.46	6.39	11.7	14.1	11.8	6.25	0.31	6.76	12.7						
90	13.4	11.5	5.96	0.39	5.59	10.7	13.1	10.8	5.45	0.23	5.98	11.7						
95	12.3	10.5	5.29	0.36	4.98	9.80	12.1	9.91	4.83	0.25	5.29	10.7						
100	11.1	8.77	4.79	0.39	4.52	8.27	10.9	8.37	4.33	0.27	4.77	8.99						
105	10.2	8.26	4.10	0.41	3.46	7.80	9.98	7.84	3.40	0.28	4.01	8.45						
110	9.26	7.63	3.87	0.42	3.36	6.91	9.10	7.01	3.19	0.28	3.94	7.81						
115	8.45	7.03	3.70	0.43	3.14	6.26	7.98	6.55	2.94	0.29	3.40	7.22						
120	7.74	6.56	3.32	0.44	2.83	5.80	7.34	5.96	2.86	0.29	3.17	6.73						
125	7.09	6.08	2.95	0.46	2.70	5.37	6.70	5.40	2.68	0.32	2.87	6.23						
130	6.47	5.38	2.63	0.48	2.45	4.82	6.09	4.94	2.46	0.35	2.49	5.53						
135	5.85	4.27	2.37	0.49	2.31	4.25	5.28	4.44	2.31	0.36	2.17	4.56						
140	5.24	3.58	2.12	0.50	2.13	3.79	4.37	3.68	2.13	0.38	1.82	3.65						
145	4.63	3.05	1.91	0.52	1.99	3.19	3.73	3.38	1.93	0.41	1.72	3.02						
150	4.06	2.56	1.70	0.53	1.74	2.80	3.19	2.88	1.76	0.47	1.53	2.53						
155	3.49	2.13	1.66	0.54	1.57	2.40	2.53	2.41	1.53	0.51	1.56	2.01						
160	2.86	1.75	1.62	0.54	1.36	1.99	1.97	2.01	1.30	0.53	1.52	1.68						
165	2.37	1.44	1.50	0.54	1.18	1.62	1.99	1.41	1.13	0.53	1.48	1.48						
170	1.27	1.36	1.39	0.55	0.94	1.27	1.12	1.40	0.91	0.53	1.34	1.44						
175	0.98	1.11	1.20	0.55	0.58	0.86	0.86	1.08	0.70	0.54	1.13	1.24						
180	0.59	0.58	0.57	0.56	0.56	0.56	0.59	0.59	0.56	0.54	0.54	0.57						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-13

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	24.58	24.58	24.52	24.49	24.50	24.52	24.58	24.58	24.52	24.49
3.0	24.59	24.58	24.54	24.47	24.50	24.44	24.53	24.54	24.45	24.50
6.0	24.60	24.55	24.51	24.35	24.35	24.31	24.43	24.42	24.31	24.37
9.0	24.51	24.44	24.36	24.15	24.13	24.13	24.30	24.24	24.09	24.11
12.0	24.37	24.29	24.10	23.83	23.83	23.92	24.13	24.03	23.77	23.75
15.0	24.20	24.09	23.75	23.42	23.45	23.65	23.94	23.77	23.38	23.29
18.0	24.02	23.83	23.32	22.89	23.00	23.37	23.73	23.48	22.92	22.77
21.0	23.85	23.50	22.80	22.31	22.50	23.09	23.53	23.17	22.41	22.10
24.0	23.66	23.20	22.23	21.64	21.96	22.77	23.32	22.85	21.86	21.43
27.0	23.44	22.89	21.61	20.88	21.38	22.39	23.07	22.50	21.27	20.61
30.0	23.17	22.54	20.93	20.07	20.75	22.01	22.77	22.11	20.64	19.77
33.0	22.87	22.15	20.22	19.18	20.09	21.53	22.42	21.65	19.97	18.88
36.0	22.54	21.72	19.50	18.23	19.39	21.02	22.04	21.16	19.29	17.88
39.0	22.17	21.26	18.77	17.24	18.65	20.46	21.61	20.61	18.55	16.86
42.0	21.75	20.76	18.03	16.22	17.86	19.92	21.24	20.03	17.78	15.82
45.0	21.33	20.21	17.26	15.13	17.04	19.43	20.89	19.53	16.95	14.70
48.0	20.94	19.64	16.48	14.04	16.18	18.92	20.48	19.03	16.11	13.56
51.0	20.52	19.08	15.65	12.89	15.29	18.35	20.06	18.48	15.22	12.41
54.0	20.06	18.55	14.80	11.73	14.38	17.76	19.59	17.91	14.32	11.28
57.0	19.57	17.98	13.93	10.55	13.49	17.16	19.12	17.31	13.41	10.02
60.0	19.06	17.38	13.05	9.324	12.62	16.55	18.60	16.69	12.54	8.818
63.0	18.53	16.76	12.17	8.088	11.78	15.93	18.09	16.07	11.70	7.597
66.0	18.00	16.17	11.32	6.877	10.91	15.33	17.58	15.47	10.82	6.376
69.0	17.47	15.54	10.50	5.671	10.06	14.73	17.06	14.85	9.973	5.250
72.0	16.94	14.93	9.688	4.494	9.226	14.15	16.53	14.27	9.144	4.029
75.0	16.40	14.35	8.914	3.364	8.456	13.57	16.00	13.70	8.350	2.964
78.0	15.83	13.77	8.170	2.269	7.742	13.00	15.45	13.11	7.632	1.963
81.0	15.25	13.20	7.511	1.360	7.114	12.42	14.89	12.56	6.984	1.078
84.0	14.65	12.62	6.928	0.6664	6.561	11.86	14.32	11.99	6.426	0.3691
87.0	14.04	12.05	6.425	0.4281	6.053	11.28	13.71	11.41	5.919	0.2415
90.0	13.40	11.46	5.962	0.3853	5.590	10.69	13.07	10.83	5.446	0.2332
93.0	12.77	10.88	5.540	0.3569	5.203	10.16	12.47	10.27	5.055	0.2436
96.0	12.14	10.31	5.183	0.3669	4.881	9.623	11.86	9.737	4.723	0.2539
99.0	11.49	9.104	4.876	0.3770	4.600	9.322	11.06	8.417	4.432	0.2643
102.0	10.73	8.618	4.560	0.3980	4.094	8.126	10.51	8.213	3.941	0.2764
105.0	10.17	8.256	4.101	0.4067	3.458	7.799	9.979	7.841	3.402	0.2782
108.0	9.612	7.879	4.046	0.4155	3.377	7.436	9.431	7.465	3.331	0.2808
111.0	9.088	7.502	3.815	0.4243	3.313	6.744	8.922	6.916	3.130	0.2835
114.0	8.606	7.141	3.699	0.4322	3.166	6.387	8.095	6.645	2.965	0.2861
117.0	8.159	6.829	3.654	0.4372	2.976	6.050	7.748	6.324	2.890	0.2888
120.0	7.741	6.563	3.319	0.4423	2.835	5.799	7.336	5.962	2.860	0.2914
123.0	7.349	6.271	3.112	0.4524	2.764	5.553	6.964	5.615	2.784	0.3065
126.0	6.967	5.975	2.880	0.4624	2.634	5.286	6.597	5.298	2.593	0.3216
129.0	6.600	5.587	2.690	0.4725	2.478	4.954	6.215	5.032	2.458	0.3416
132.0	6.223	4.969	2.514	0.4845	2.373	4.597	5.844	4.735	2.397	0.3555
135.0	5.851	4.271	2.373	0.4875	2.308	4.251	5.282	4.439	2.312	0.3612
138.0	5.479	3.894	2.222	0.4975	2.156	3.975	4.901	4.087	2.211	0.3668
141.0	5.113	3.462	2.076	0.5076	2.111	3.698	4.230	3.574	2.085	0.3819
144.0	4.751	3.170	1.956	0.5177	2.016	3.286	3.888	3.453	1.970	0.4019
147.0	4.399	2.864	1.830	0.5286	1.925	2.975	3.387	3.177	1.885	0.4321
150.0	4.057	2.562	1.704	0.5310	1.740	2.798	3.190	2.876	1.758	0.4674
153.0	3.720	2.281	1.657	0.5334	1.634	2.527	2.787	2.564	1.598	0.4974
156.0	3.394	2.045	1.655	0.5358	1.518	2.316	2.385	2.338	1.487	0.5176
159.0	2.972	1.819	1.634	0.5383	1.408	2.110	1.955	2.106	1.326	0.5241
162.0	2.700	1.588	1.573	0.5407	1.277	1.864	2.056	1.731	1.241	0.5290
165.0	2.368	1.442	1.503	0.5431	1.176	1.618	1.989	1.413	1.125	0.5307
168.0	1.373	1.422	1.413	0.5455	1.026	1.427	1.231	1.407	1.005	0.5325
171.0	1.217	1.332	1.352	0.5480	0.8851	1.205	1.080	1.337	0.8892	0.5342
174.0	1.026	1.175	1.252	0.5504	0.6446	0.9441	0.9240	1.156	0.7731	0.5360
177.0	0.8700	0.9736	0.9114	0.5528	0.5781	0.5878	0.7737	0.9155	0.5629	0.5377
180.0	0.5880	0.5780	0.5679	0.5579	0.5579	0.5579	0.5880	0.5880	0.5629	0.5378
G/C	300.0	330.0								
0.0	24.50	24.52								
3.0	24.49	24.56								
6.0	24.41	24.58								
9.0	24.25	24.51								
12.0	23.98	24.36								
15.0	23.62	24.13								
18.0	23.18	23.84								
21.0	22.67	23.52								
24.0	22.10	23.20								
27.0	21.45	22.91								
30.0	20.75	22.61								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-13

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:

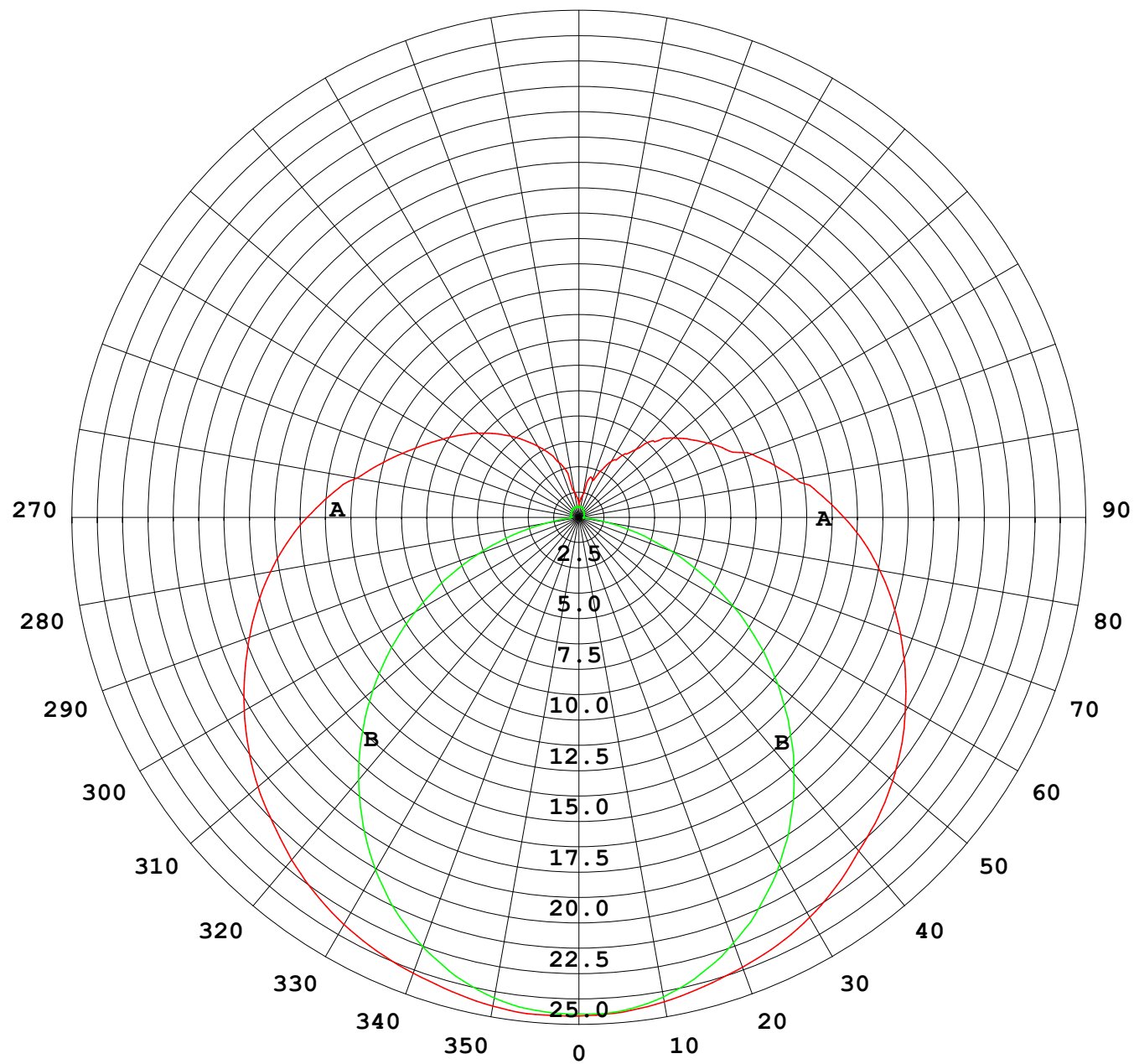
Photometric Data Table [cd]

33.0	20.06	22.24
36.0	19.37	21.85
39.0	18.67	21.41
42.0	17.97	20.92
45.0	17.26	20.40
48.0	16.50	19.83
51.0	15.68	19.26
54.0	14.84	18.73
57.0	14.00	18.17
60.0	13.11	17.58
63.0	12.23	16.99
66.0	11.37	16.38
69.0	10.56	15.77
72.0	9.742	15.18
75.0	8.958	14.59
78.0	8.220	14.01
81.0	7.551	13.44
84.0	6.948	12.86
87.0	6.431	12.27
90.0	5.979	11.73
93.0	5.547	11.13
96.0	5.175	10.56
99.0	4.864	9.285
102.0	4.566	8.846
105.0	4.010	8.449
108.0	3.980	8.093
111.0	3.790	7.675
114.0	3.705	7.323
117.0	3.442	7.012
120.0	3.170	6.725
123.0	3.020	6.429
126.0	2.748	6.132
129.0	2.532	5.741
132.0	2.391	5.098
135.0	2.165	4.565
138.0	1.954	3.791
141.0	1.799	3.524
144.0	1.734	3.102
147.0	1.638	2.795
150.0	1.533	2.533
153.0	1.545	2.263
156.0	1.563	1.941
159.0	1.533	1.775
162.0	1.503	1.589
165.0	1.477	1.481
168.0	1.417	1.459
171.0	1.316	1.438
174.0	1.171	1.312
177.0	0.8582	1.126
180.0	0.5378	0.5679

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-13

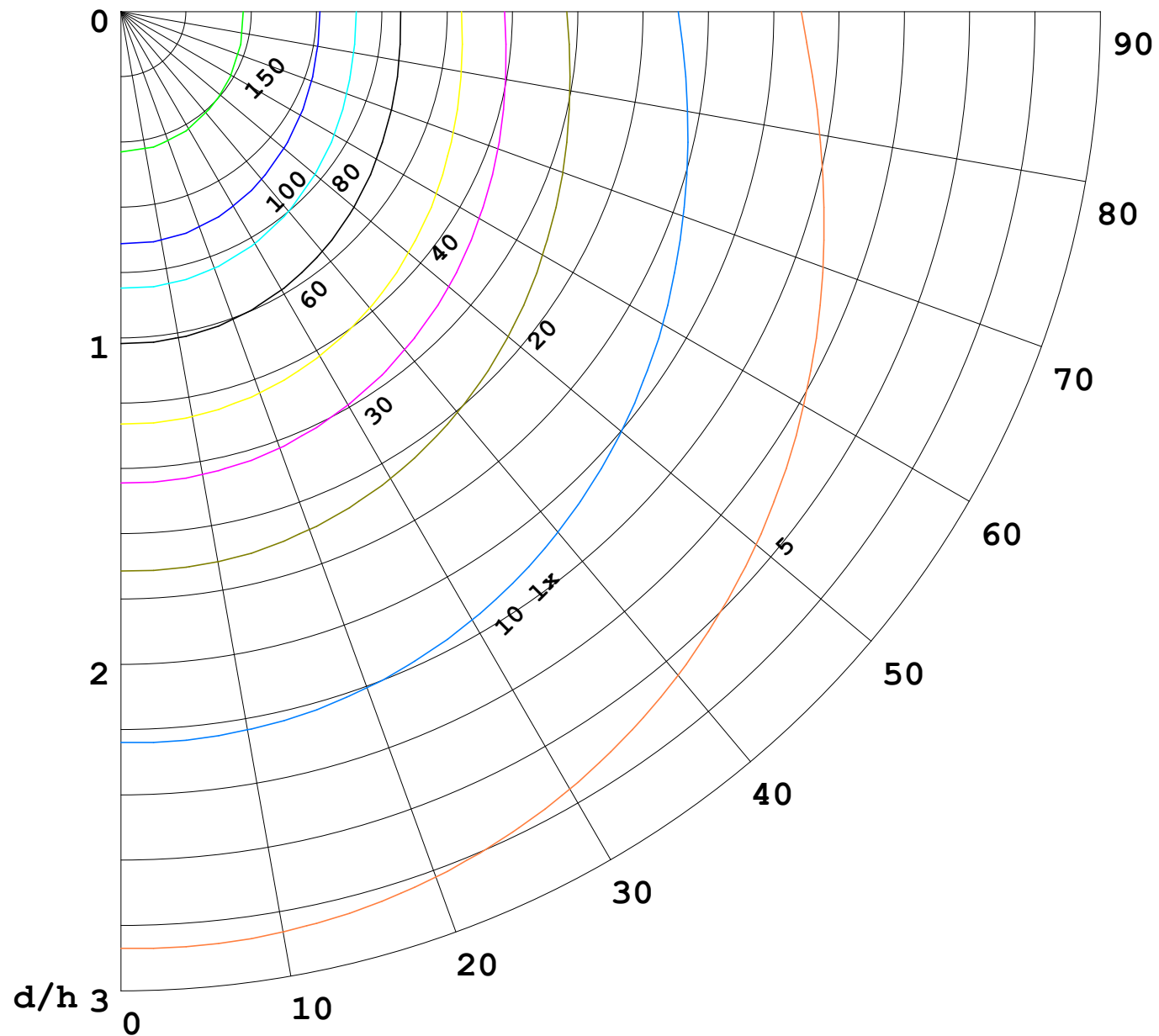
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

