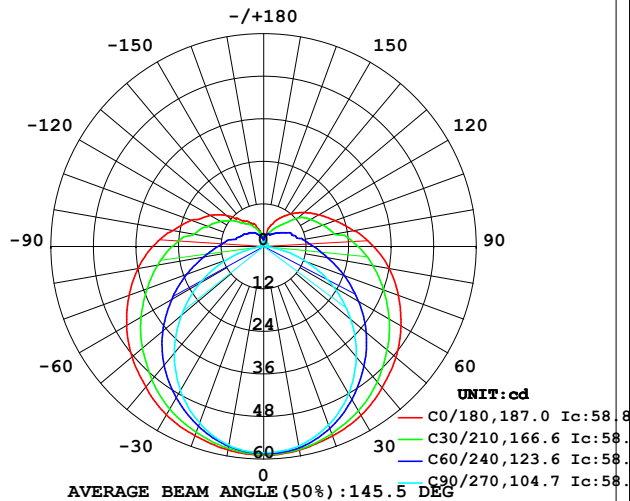


## LUMINAIRE PHOTOMETRIC TEST REPORT

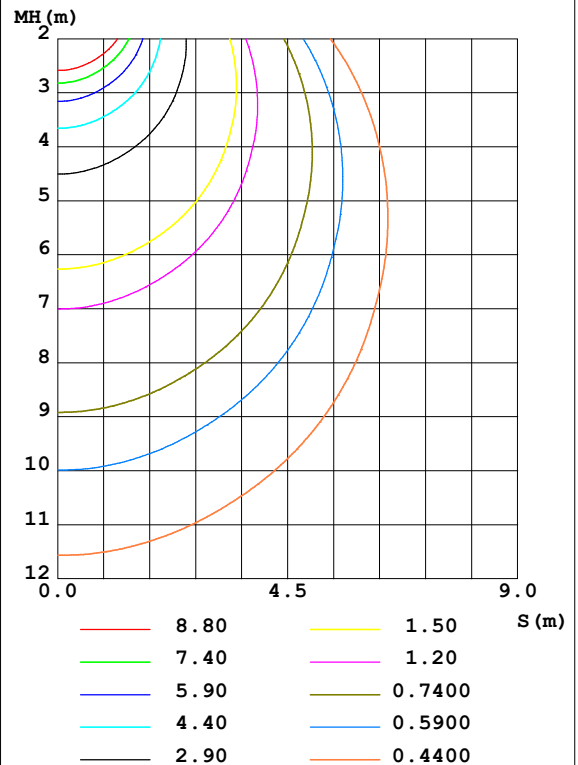
Test:U:24.00V I:0.4751A P:11.40W PF:1.000 Freq:50.00Hz Lamp Flux:289.624x1 lm					
NAME: SF21-24V-5050-56-DMX3-3000K		TYPE: 硅胶		WEIGHT:	
SPEC.:		DIM.: 28mm*11.5mm		SERIAL No.:2021121505	
MFR.: OLYMPIA		SUR.:1*0.016		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 25.40 lm/W
MODEL	5050	I <sub>max</sub> (cd)	58.86	S/MH (C0/180)	1.40	
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	1.21	
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	289.62	η UP, DN (C0-180)	11.2, 38.8	
NOMINAL FLUX (lm)	289.624	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.3, 38.8	
LAMPS INSIDE	1	η up (%)	22.4	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	24	η down (%)	77.6	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: 2021-12-15

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	58.28	57.91	57.17	57.02	58.26	57.55	56.95	57.53	0- 10	5.535	5.535	1.91,1.91
20	56.84	55.41	53.57	54.39	56.77	54.83	52.98	54.93	10- 20	15.94	21.47	7.41,7.41
30	54.99	51.66	48.01	50.66	54.86	51.16	46.94	51.18	20- 30	24.55	46.02	15.9,15.9
40	51.99	46.93	40.61	45.78	51.77	46.43	39.18	46.75	30- 40	30.60	76.62	26.5,26.5
50	48.69	41.61	32.07	40.29	48.52	40.91	30.37	41.64	40- 50	33.66	110.3	38.1,38.1
60	44.70	35.90	22.80	34.32	44.63	34.96	20.89	36.10	50- 60	33.78	144.1	49.7,49.7
70	40.46	30.12	13.00	28.46	40.41	29.09	11.18	30.39	60- 70	31.24	175.3	60.5,60.5
80	35.96	24.81	4.206	23.24	36.03	23.78	3.026	25.13	70- 80	26.97	202.3	69.8,69.8
90	31.00	20.35	0.8494	18.88	31.31	19.39	0.5866	20.68	80- 90	22.36	224.6	77.6,77.6
100	25.75	15.79	0.9553	14.70	25.99	15.21	0.6782	16.26	90-100	18.35	243.0	83.9,83.9
110	21.45	13.36	1.018	11.72	21.78	12.17	0.7521	13.77	100-110	14.22	257.2	88.8,88.8
120	17.98	11.55	1.086	9.871	17.53	10.41	0.8190	11.68	110-120	11.20	268.4	92.7,92.7
130	14.94	9.291	1.161	8.221	13.61	8.580	0.9147	9.506	120-130	8.506	276.9	95.6,95.6
140	12.01	6.475	1.231	6.679	9.457	6.899	1.016	6.783	130-140	5.770	282.7	97.6,97.6
150	9.285	4.822	1.358	5.410	7.615	5.661	1.201	4.998	140-150	3.642	286.3	98.9,98.9
160	6.585	3.867	1.386	4.041	6.080	4.132	1.272	3.890	150-160	2.110	288.4	99.6,99.6
170	2.815	3.176	1.376	2.671	2.808	3.099	1.320	3.377	160-170	0.9612	289.4	99.9,99.9
180	1.473	1.430	1.372	1.405	1.473	1.437	1.327	1.390	170-180	0.2290	289.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 93.25 lm

%lum = 32.2%

%lamp = 32.2%

Conical surface Flux(120deg): 144.06 lm

%lum = 49.7%

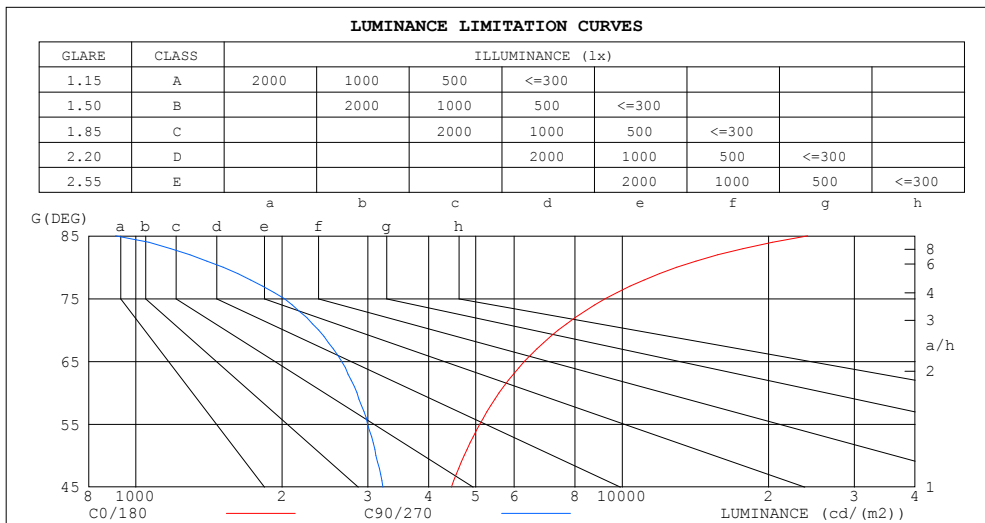
%lamp = 49.7%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.4751A P:11.40W PF:1.000 Freq:50.00Hz Lamp Flux:289.624x1 lm		
NAME: SF21-24V-5050-56-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121505
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	24075	910
80	12943	1514
75	9236	2019
70	7393	2376
65	6299	2651
60	5588	2850
55	5098	2997
50	4734	3118
45	4453	3223

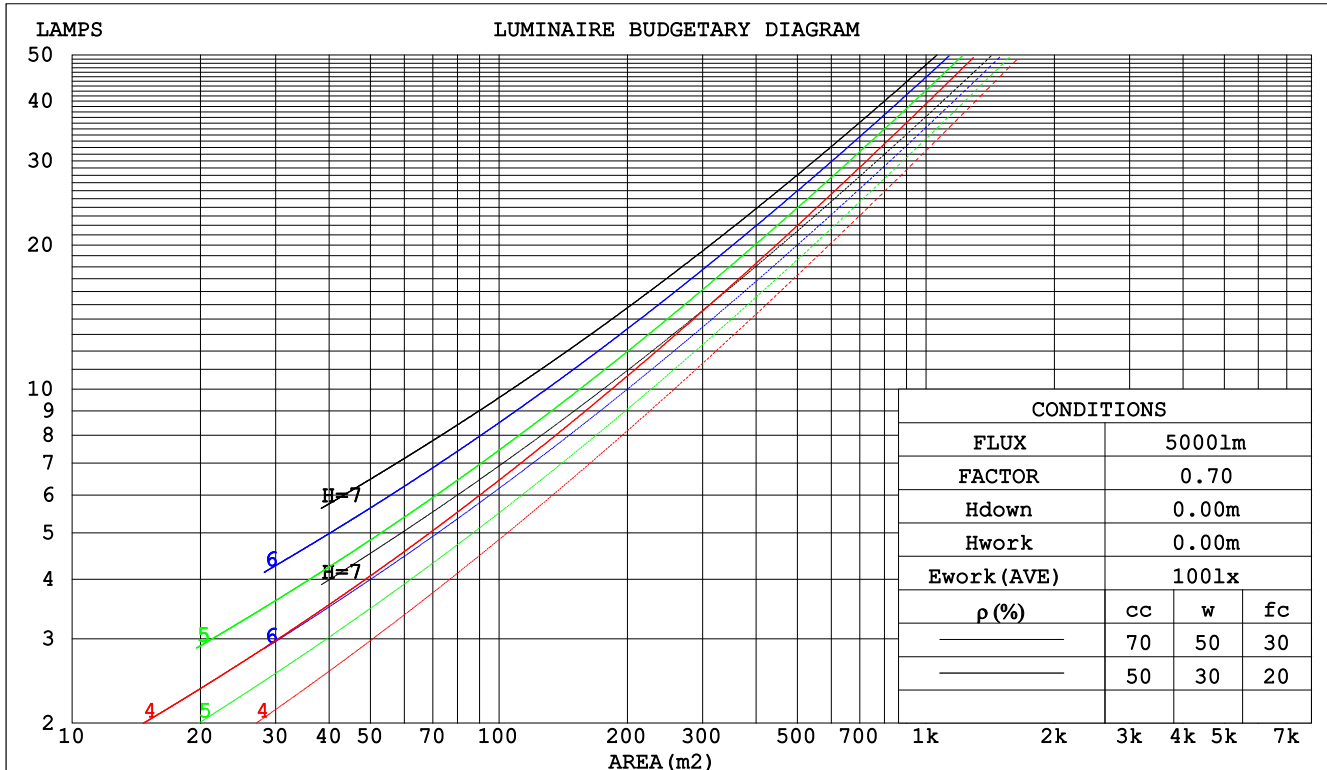
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.4751A P:11.40W PF:1.000 Freq:50.00Hz Lamp Flux:289.624x1 lm		
NAME: SF21-24V-5050-56-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121505
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	.78
1.0	.94	.89	.84	.90	.85	.81	.81	.78	.74	.74	.71	.68	.67	.64	.62	.58
2.0	.81	.73	.66	.77	.70	.64	.70	.64	.59	.63	.58	.54	.57	.53	.50	.46
3.0	.70	.61	.54	.67	.58	.52	.60	.54	.48	.55	.49	.44	.49	.45	.41	.38
4.0	.61	.52	.45	.59	.50	.43	.53	.46	.40	.48	.42	.37	.43	.39	.34	.31
5.0	.54	.45	.38	.52	.43	.37	.47	.40	.34	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.39	.33	.47	.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	.22	.29	.24	.20	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.21	.29	.24	.19	.27	.22	.18	.16
10.0	.33	.26	.20	.32	.25	.20	.30	.23	.19	.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:2021-12-15

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:0.4751A P:11.40W PF:1.000 Freq:50.00Hz Lamp Flux:289.624x1 lm		
NAME: SF21-24V-5050-56-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121505
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	.346	.199	.063	.322	.186	.060	.300	.174	.056		
2.0	.333	.183	.056	.320	.176	.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	.265	.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	.167	.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	.068	.020		
10.0	.165	.079	.022	.158	.076	.021	.147	.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	.361	.361	.361	.309	.309	.309	.211	.211	.211	.121	.121	.121	.039	.039	.039		
1.0	.358	.328	.301	.306	.281	.259	.210	.194	.179	.121	.112	.104	.039	.036	.034		
2.0	.351	.305	.267	.301	.263	.230	.206	.182	.161	.119	.106	.094	.038	.034	.031		
3.0	.344	.289	.245	.295	.249	.213	.202	.173	.149	.117	.101	.088	.038	.033	.029		
4.0	.336	.277	.231	.288	.239	.201	.198	.167	.141	.115	.098	.084	.037	.032	.028		
5.0	.328	.267	.221	.282	.231	.193	.194	.161	.136	.113	.095	.081	.036	.031	.027		
6.0	.321	.259	.214	.276	.224	.187	.190	.157	.132	.110	.092	.079	.036	.030	.026		
7.0	.314	.252	.209	.270	.219	.182	.187	.153	.129	.108	.090	.077	.035	.030	.025		
8.0	.307	.247	.205	.265	.214	.179	.183	.150	.127	.107	.089	.076	.034	.029	.025		
9.0	.301	.242	.202	.259	.210	.177	.180	.148	.125	.105	.087	.075	.034	.029	.025		
10.0	.295	.238	.200	.255	.207	.175	.177	.145	.124	.103	.086	.074	.033	.028	.025		

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-15

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:0.4751A P:11.40W PF:1.000 Freq:50.00Hz Lamp Flux:289.624x1 lm											
NAME: SF21-24V-5050-56-DMX3-3000K						TYPE:硅胶			WEIGHT:		
SPEC.:						DIM.: 28mm*11.5mm			SERIAL No.:2021121505		
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	21.9	23.3	22.5	23.8	24.5	19.4	20.7	20.0	21.3	22.0	
	3H	24.7	26.0	25.3	26.6	27.2	20.9	22.1	21.5	22.7	23.4
	4H	26.3	27.5	26.9	28.1	28.8	21.4	22.6	22.0	23.2	23.9
	6H	28.0	29.1	28.7	29.8	30.5	21.8	22.8	22.4	23.5	24.2
	8H	29.0	30.1	29.7	30.7	31.5	21.8	22.9	22.5	23.5	24.3
	12H	30.1	31.1	30.8	31.8	32.6	21.9	22.9	22.5	23.5	24.3
4H	2H	22.5	23.6	23.1	24.3	25.0	20.7	21.8	21.3	22.5	23.2
	3H	25.5	26.6	26.2	27.2	28.0	22.5	23.5	23.1	24.1	24.9
	4H	27.3	28.2	28.0	28.9	29.7	23.2	24.2	23.9	24.9	25.6
	6H	29.3	30.1	30.0	30.8	31.6	23.9	24.7	24.6	25.4	26.2
	8H	30.4	31.1	31.1	31.9	32.7	24.1	24.8	24.8	25.5	26.4
	12H	31.6	32.3	32.3	33.1	33.9	24.2	24.9	24.9	25.6	26.5
8H	4H	27.6	28.4	28.4	29.1	30.0	24.5	25.3	25.2	26.0	26.8
	6H	29.9	30.6	30.7	31.3	32.2	25.6	26.2	26.3	27.0	27.8
	8H	31.2	31.8	32.0	32.6	33.5	26.0	26.6	26.8	27.4	28.3
	12H	32.8	33.3	33.5	34.0	35.0	26.4	26.9	27.2	27.7	28.6
12H	4H	27.7	28.4	28.4	29.1	30.0	24.9	25.6	25.7	26.4	27.2
	6H	30.0	30.6	30.8	31.4	32.3	26.3	26.8	27.0	27.6	28.5
	8H	31.5	32.0	32.2	32.8	33.7	26.9	27.5	27.7	28.2	29.2
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					+ 0.2 / - 0.4					

CIE Pub.117, 289.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.3)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-15

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:0.4751A P:11.40W PF:1.000 Freq:50.00Hz Lamp Flux:289.624x1 lm		
NAME: SF21-24V-5050-56-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121505
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

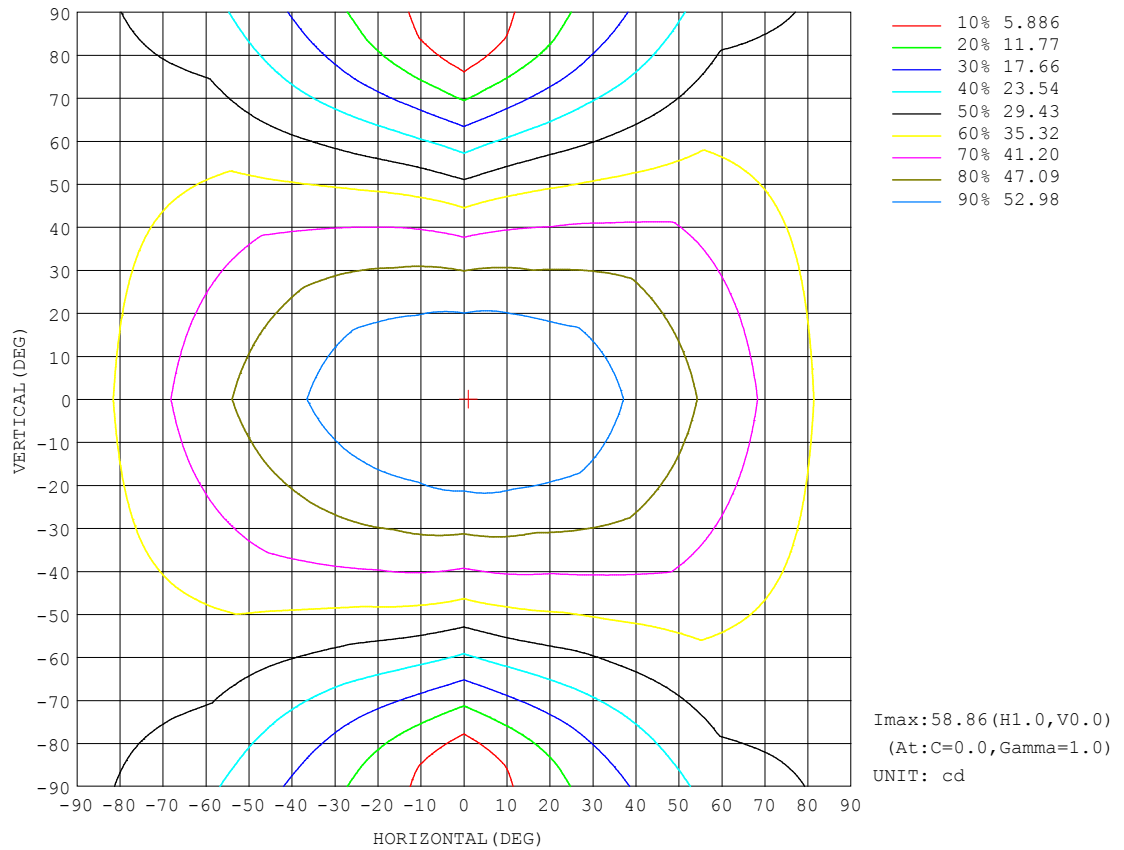
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	54	41	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	39	30
1.25	70	57	48	67	56	48	63	53	46	35
1.50	75	63	54	72	61	53	67	57	50	39
2.00	82	71	63	79	69	61	73	64	58	45
2.50	87	76	68	83	74	66	76	69	62	49
3.00	91	81	74	87	78	71	79	72	67	52
4.00	95	87	81	91	84	78	83	77	72	57
5.00	98	91	85	94	88	82	86	81	76	60
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: 2021-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.4751A P:11.40W PF:1.000 Freq:50.00Hz Lamp Flux:289.624x1 lm		
NAME: SF21-24V-5050-56-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121505
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



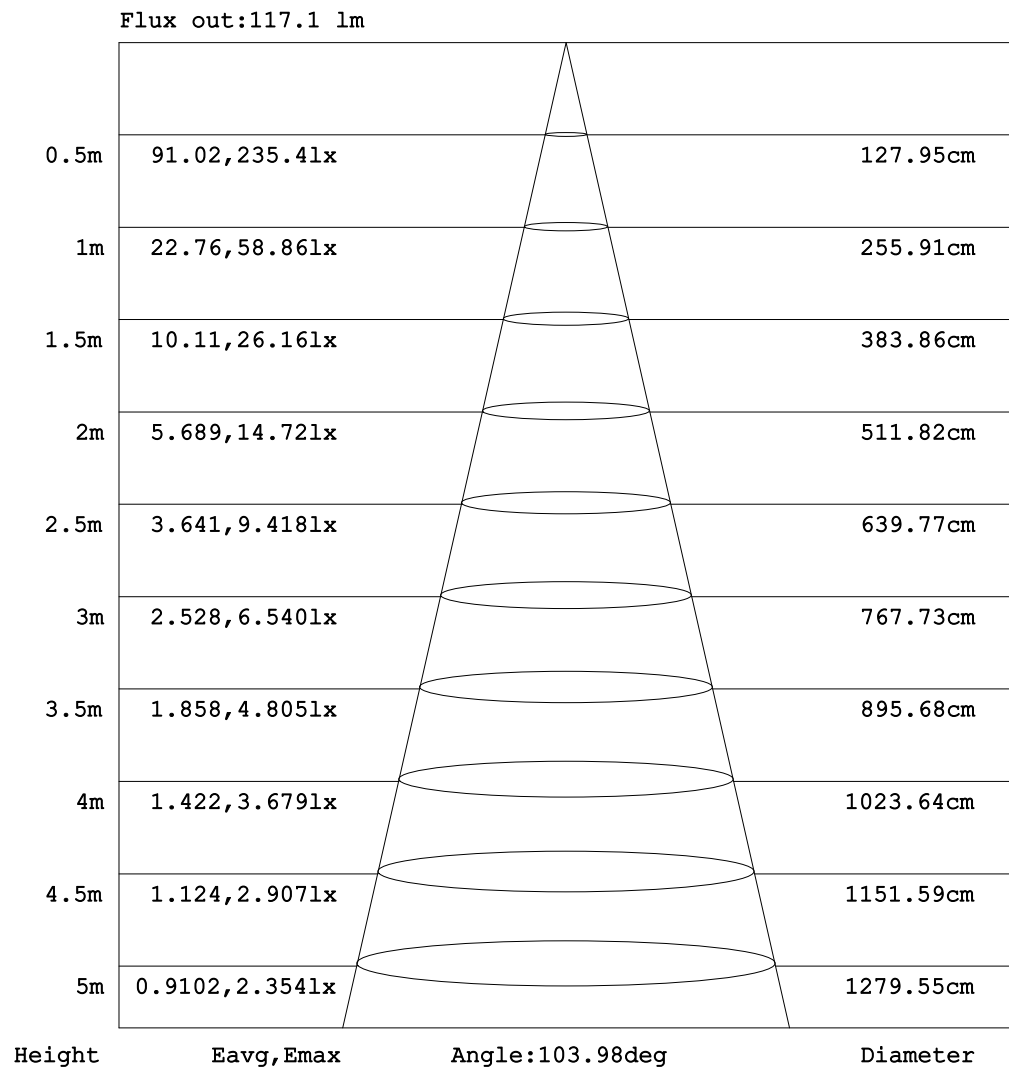
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LPC  
Test Date: 2021-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.4751A P:11.40W PF:1.000 Freq:50.00Hz Lamp Flux:289.624x1 lm		
NAME: SF21-24V-5050-56-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121505
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



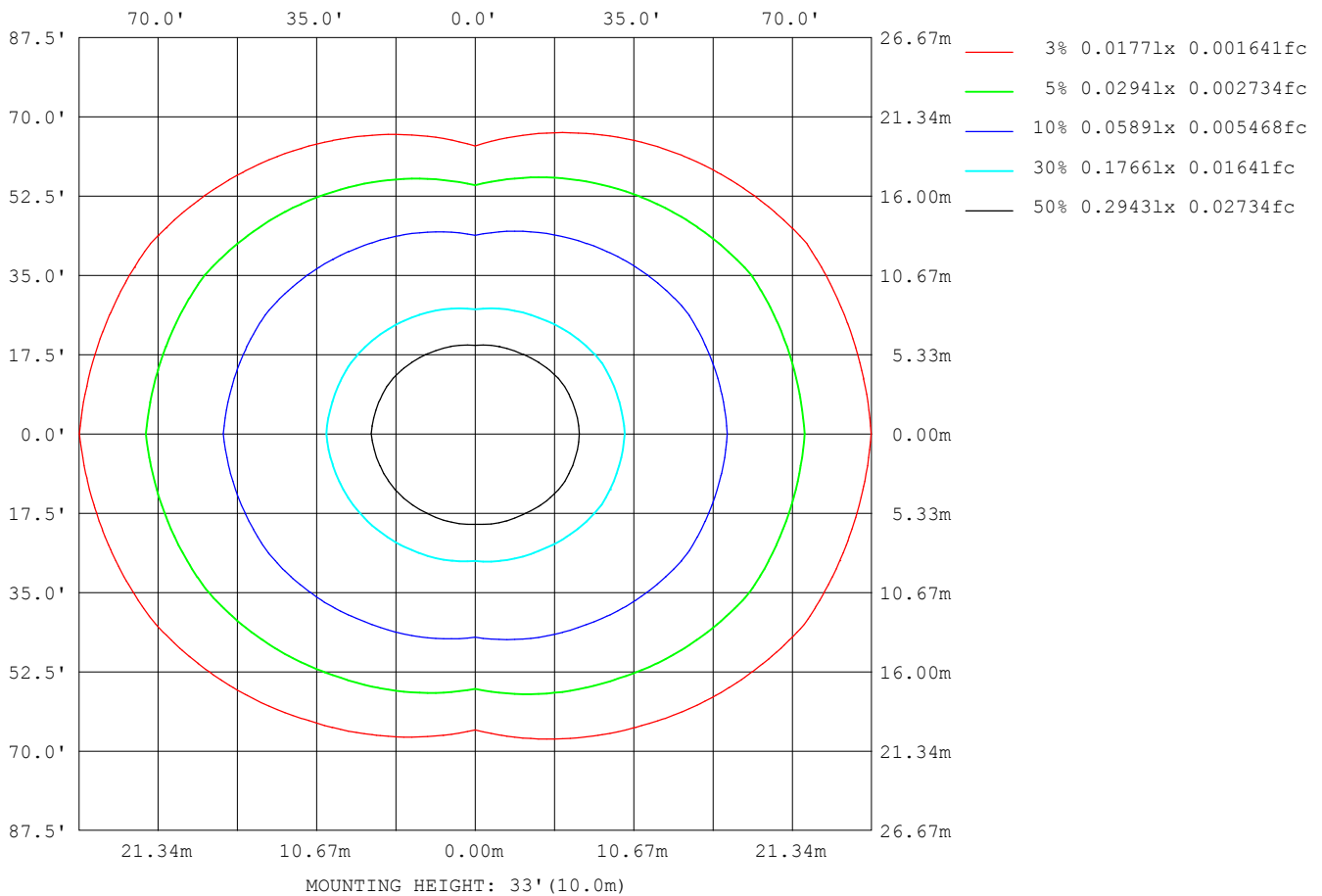
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-12-15

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:0.4751A P:11.40W PF:1.000 Freq:50.00Hz Lamp Flux:289.624x1 lm		
NAME: SF21-24V-5050-56-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121505
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:2021-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.4751A P:11.40W PF:1.000 Freq:50.00Hz Lamp Flux:289.624x1 lm		
NAME: SF21-24V-5050-56-DMX3-3000K	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121505
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

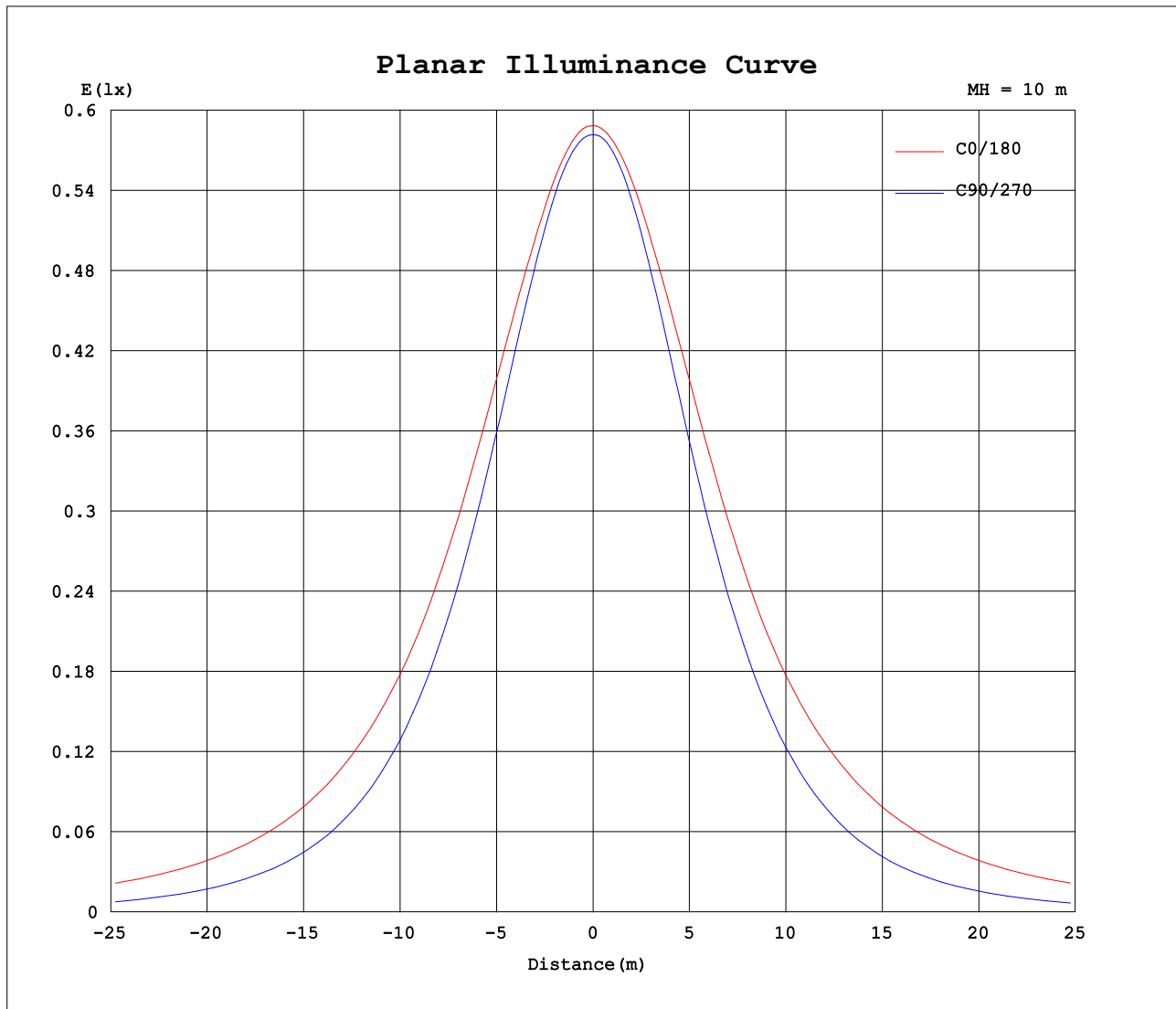
AvgL	cd/m2
L_0~180 (65) av	6298
L_0~180 (75) av	9235
L_0~180 (85) av	24116
L_90~270 (65) av	2512
L_90~270 (75) av	1822
L_90~270 (85) av	719
L_45 (65) av	4835
L_45 (75) av	6581
L_45 (85) av	16156

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-15

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: 2021-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.4751A P:11.40W PF:1.000 Freq:50.00Hz Lamp Flux:289.624x1 lm		
NAME: SF21-24V-5050-56-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121505
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	58.9	58.7	58.4	58.2	58.1	58.0	58.9	58.7	58.4	58.2	58.1	58.0						
5	58.8	58.6	58.3	58.0	57.8	57.7	58.7	58.4	58.1	57.9	58.0	58.1						
10	58.3	58.1	57.7	57.2	57.0	57.0	58.3	57.9	57.2	57.0	57.3	57.7						
15	57.6	57.3	56.4	55.6	55.6	56.1	57.6	56.9	55.8	55.3	56.0	56.9						
20	56.8	56.2	54.6	53.6	53.8	55.0	56.8	55.7	53.9	53.0	54.1	55.7						
25	56.0	54.9	52.4	51.0	51.6	53.7	55.9	54.5	51.7	50.2	51.8	54.5						
30	55.0	53.5	49.8	48.0	49.2	52.1	54.9	53.0	49.3	46.9	49.1	53.2						
35	53.6	51.8	47.0	44.5	46.6	50.2	53.5	51.2	46.7	43.2	46.4	51.7						
40	52.0	49.9	44.0	40.6	43.6	48.0	51.8	49.1	43.8	39.2	43.6	49.9						
45	50.4	47.6	41.0	36.5	40.4	45.8	50.1	46.8	40.6	34.9	40.7	47.9						
50	48.7	45.5	37.8	32.1	36.9	43.6	48.5	44.7	37.2	30.4	37.7	45.6						
55	46.8	43.3	34.4	27.5	33.3	41.3	46.7	42.4	33.6	25.7	34.3	43.6						
60	44.7	40.9	30.9	22.8	29.8	38.9	44.6	39.9	30.0	20.9	30.9	41.3						
65	42.6	38.4	27.4	17.9	26.3	36.4	42.6	37.5	26.6	16.0	27.4	38.9						
70	40.5	36.0	24.2	13.0	22.9	34.0	40.4	35.0	23.2	11.2	24.3	36.5						
75	38.2	33.6	21.1	8.36	19.8	31.7	38.2	32.7	19.9	6.73	21.1	34.2						
80	36.0	31.3	18.3	4.21	17.0	29.4	36.0	30.4	17.2	3.03	18.3	32.0						
85	33.6	29.0	16.0	1.27	14.8	27.2	33.7	28.1	14.8	0.74	16.0	29.7						
90	31.0	26.6	14.1	0.85	12.9	24.8	31.3	25.8	13.0	0.59	14.0	27.3						
95	28.6	24.4	12.5	0.88	11.5	22.7	28.9	23.6	11.5	0.59	12.4	25.1						
100	25.8	20.2	11.4	0.96	10.5	18.9	26.0	20.0	10.4	0.68	11.2	21.3						
105	23.5	19.1	9.63	0.99	7.71	17.9	23.8	18.7	8.11	0.74	9.67	19.8						
110	21.5	17.7	9.01	1.02	7.54	15.9	21.8	16.7	7.67	0.75	9.28	18.3						
115	19.6	16.5	8.71	1.05	6.90	14.5	19.2	15.5	7.06	0.76	8.11	16.9						
120	18.0	15.3	7.76	1.09	6.26	13.5	17.5	14.1	6.70	0.82	7.67	15.7						
125	16.4	14.1	6.84	1.13	5.91	12.3	15.7	12.7	6.07	0.86	7.03	14.5						
130	14.9	12.5	6.05	1.16	5.53	10.9	13.6	11.4	5.76	0.91	6.04	13.0						
135	13.5	9.80	5.42	1.20	5.37	9.32	10.9	9.90	5.51	0.96	5.50	10.9						
140	12.0	8.12	4.83	1.23	5.00	8.36	9.46	8.62	5.18	1.02	4.77	8.79						
145	10.6	6.87	4.34	1.27	4.66	7.40	8.72	7.87	4.81	1.08	4.20	7.30						
150	9.29	5.76	3.88	1.36	4.16	6.66	7.61	6.95	4.38	1.20	3.76	6.23						
155	7.99	4.78	3.81	1.37	3.68	5.86	7.18	5.89	3.77	1.25	3.72	5.15						
160	6.59	3.95	3.78	1.39	3.20	4.88	6.08	4.91	3.35	1.27	3.67	4.11						
165	5.37	3.26	3.54	1.38	2.74	3.86	4.54	4.22	2.94	1.31	3.53	3.61						
170	2.82	3.10	3.25	1.38	2.24	3.10	2.81	3.73	2.47	1.32	3.31	3.44						
175	2.16	2.54	2.83	1.37	1.57	2.20	2.34	2.78	2.06	1.32	2.92	3.06						
180	1.47	1.45	1.41	1.37	1.39	1.42	1.47	1.46	1.42	1.33	1.35	1.43						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-15

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	58.86	58.67	58.40	58.17	58.10	58.05	58.86	58.67	58.40	58.17
3.0	58.86	58.65	58.40	58.12	58.00	57.88	58.80	58.58	58.24	58.12
6.0	58.69	58.51	58.23	57.86	57.69	57.60	58.63	58.35	57.94	57.79
9.0	58.40	58.22	57.87	57.39	57.20	57.20	58.37	57.98	57.45	57.24
12.0	58.03	57.83	57.24	56.60	56.46	56.69	58.03	57.50	56.72	56.34
15.0	57.58	57.31	56.39	55.63	55.57	56.08	57.59	56.93	55.81	55.26
18.0	57.12	56.67	55.39	54.45	54.53	55.44	57.08	56.20	54.71	54.01
21.0	56.70	55.93	54.20	53.13	53.35	54.79	56.63	55.49	53.51	52.43
24.0	56.22	55.17	52.87	51.59	52.06	54.00	56.13	54.77	52.21	50.85
27.0	55.65	54.37	51.40	49.89	50.68	53.10	55.55	53.91	50.78	48.90
30.0	54.99	53.51	49.82	48.01	49.22	52.10	54.86	53.00	49.31	46.94
33.0	54.21	52.53	48.12	45.95	47.66	50.97	54.05	51.95	47.76	44.83
36.0	53.33	51.44	46.39	43.70	46.00	49.75	53.13	50.81	46.10	42.48
39.0	52.34	50.27	44.62	41.46	44.21	48.44	52.13	49.53	44.36	40.03
42.0	51.28	48.99	42.82	39.07	42.35	47.07	51.05	48.16	42.52	37.58
45.0	50.38	47.65	40.98	36.46	40.38	45.81	50.14	46.79	40.57	34.89
48.0	49.41	46.29	39.07	33.92	38.33	44.57	49.20	45.52	38.55	32.17
51.0	48.33	45.05	37.11	31.22	36.21	43.21	48.17	44.23	36.46	29.45
54.0	47.19	43.74	35.07	28.41	34.03	41.80	47.06	42.86	34.30	26.59
57.0	45.97	42.36	33.00	25.69	31.86	40.37	45.89	41.43	32.12	23.71
60.0	44.70	40.91	30.89	22.80	29.78	38.86	44.63	39.94	29.98	20.89
63.0	43.44	39.40	28.78	19.84	27.71	37.36	43.39	38.45	27.92	18.02
66.0	42.18	37.93	26.82	16.92	25.65	35.94	42.14	36.98	25.88	15.04
69.0	40.88	36.48	24.87	13.98	23.59	34.48	40.83	35.50	23.83	12.20
72.0	39.58	35.04	22.96	11.11	21.62	33.06	39.54	34.08	21.83	9.441
75.0	38.25	33.64	21.09	8.361	19.75	31.68	38.24	32.68	19.94	6.727
78.0	36.88	32.25	19.36	5.733	18.07	30.32	36.92	31.30	18.20	4.430
81.0	35.50	30.84	17.81	3.507	16.57	29.00	35.57	29.92	16.66	2.422
84.0	34.07	29.49	16.42	1.779	15.21	27.61	34.17	28.56	15.28	0.8791
87.0	32.52	28.06	15.20	0.9092	14.03	26.29	32.74	27.20	14.07	0.6186
90.0	31.00	26.62	14.09	0.8494	12.92	24.84	31.31	25.82	12.95	0.5866
93.0	29.53	25.27	13.11	0.8645	11.99	23.58	29.83	24.46	11.99	0.5914
96.0	28.08	23.96	12.26	0.8847	11.24	22.31	28.37	23.17	11.20	0.5963
99.0	26.67	21.30	11.56	0.9250	10.63	19.17	26.55	20.35	10.56	0.6429
102.0	24.85	19.89	10.89	0.9678	9.310	18.56	25.10	19.45	9.497	0.7385
105.0	23.53	19.11	9.631	0.9866	7.712	17.91	23.80	18.65	8.111	0.7436
108.0	22.26	18.31	9.525	1.005	7.539	17.16	22.56	17.72	7.984	0.7487
111.0	21.07	17.40	8.971	1.024	7.429	15.59	21.21	16.48	7.527	0.7538
114.0	19.97	16.70	8.684	1.050	7.042	14.75	19.51	15.82	7.180	0.7588
117.0	18.94	16.00	8.593	1.066	6.611	14.05	18.51	14.96	6.884	0.7839
120.0	17.98	15.34	7.760	1.086	6.265	13.48	17.53	14.12	6.704	0.8190
123.0	17.04	14.60	7.203	1.111	6.092	12.80	16.49	13.26	6.576	0.8443
126.0	16.14	13.88	6.676	1.134	5.831	12.04	15.32	12.42	6.030	0.8694
129.0	15.24	13.04	6.204	1.146	5.550	11.22	14.06	11.69	5.769	0.9194
132.0	14.34	11.56	5.771	1.176	5.439	10.34	12.79	10.76	5.699	0.9296
135.0	13.46	9.803	5.424	1.196	5.373	9.317	10.93	9.898	5.512	0.9599
138.0	12.58	8.847	5.067	1.211	5.142	8.723	10.40	9.016	5.306	0.9980
141.0	11.74	7.842	4.721	1.236	4.941	8.180	9.358	8.315	5.095	1.025
144.0	10.89	7.130	4.439	1.261	4.715	7.518	8.700	7.992	4.889	1.070
147.0	10.07	6.466	4.162	1.297	4.579	7.130	8.587	7.600	4.698	1.120
150.0	9.285	5.763	3.881	1.358	4.163	6.657	7.615	6.947	4.376	1.201
153.0	8.507	5.129	3.774	1.366	3.816	6.150	6.919	6.270	3.989	1.236
156.0	7.747	4.607	3.803	1.375	3.584	5.688	7.060	5.721	3.622	1.251
159.0	6.732	4.100	3.785	1.384	3.303	5.074	6.523	5.264	3.372	1.271
162.0	6.150	3.607	3.700	1.392	3.012	4.436	5.336	4.300	3.261	1.282
165.0	5.371	3.257	3.544	1.382	2.735	3.859	4.538	4.220	2.940	1.312
168.0	3.022	3.231	3.348	1.377	2.419	3.401	2.870	4.032	2.702	1.319
171.0	2.695	3.029	3.207	1.375	2.147	2.938	2.728	3.579	2.386	1.321
174.0	2.273	2.677	2.936	1.374	1.806	2.361	2.461	2.963	2.125	1.324
177.0	1.936	2.166	1.981	1.372	1.422	1.811	2.120	2.439	1.851	1.327
180.0	1.473	1.452	1.407	1.372	1.392	1.417	1.473	1.457	1.417	1.327
G/C	300.0	330.0								
0.0	58.10	58.05								
3.0	58.08	58.09								
6.0	57.89	58.07								
9.0	57.50	57.85								
12.0	56.85	57.49								
15.0	56.00	56.94								
18.0	54.95	56.25								
21.0	53.72	55.48								
24.0	52.31	54.70								
27.0	50.77	53.98								
30.0	49.13	53.23								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-12-15

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:

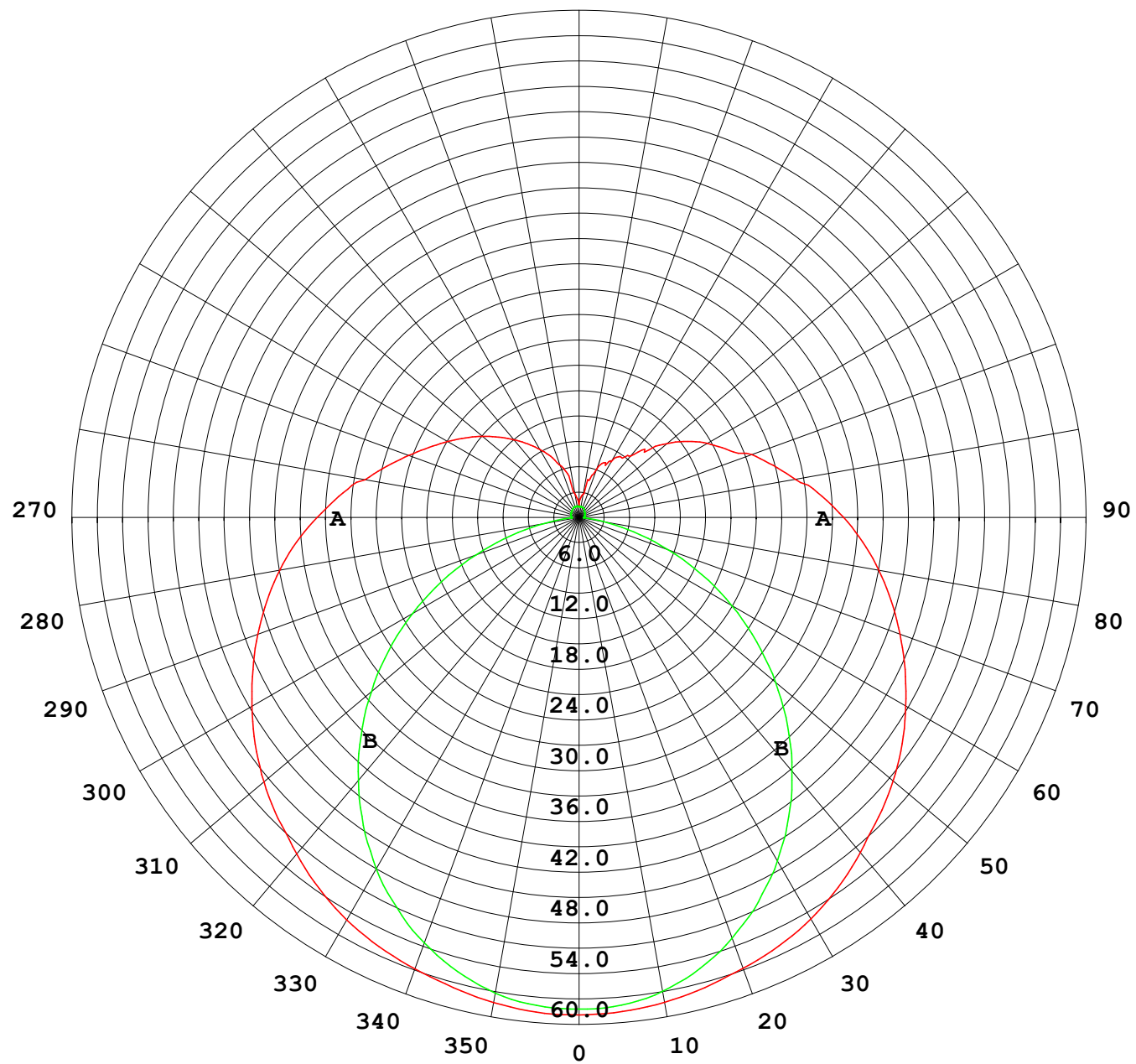
## Photometric Data Table [cd]

33.0	47.47	52.38
36.0	45.79	51.40
39.0	44.11	50.31
42.0	42.45	49.12
45.0	40.74	47.88
48.0	38.95	46.53
51.0	37.02	45.23
54.0	35.00	44.03
57.0	32.95	42.73
60.0	30.87	41.32
63.0	28.78	39.91
66.0	26.80	38.45
69.0	24.89	36.99
72.0	22.97	35.60
75.0	21.12	34.23
78.0	19.37	32.85
81.0	17.80	31.49
84.0	16.38	30.12
87.0	15.14	28.73
90.0	14.02	27.34
93.0	13.01	25.95
96.0	12.16	24.64
99.0	11.45	22.23
102.0	10.80	20.63
105.0	9.674	19.80
108.0	9.437	18.86
111.0	8.966	17.96
114.0	8.777	17.14
117.0	8.231	16.41
120.0	7.673	15.68
123.0	7.331	14.96
126.0	6.862	14.26
129.0	6.125	13.41
132.0	6.004	12.08
135.0	5.496	10.92
138.0	5.049	9.120
141.0	4.653	8.466
144.0	4.311	7.500
147.0	4.009	6.636
150.0	3.764	6.233
153.0	3.719	5.636
156.0	3.726	4.917
159.0	3.689	4.263
162.0	3.618	3.896
165.0	3.528	3.609
168.0	3.412	3.559
171.0	3.246	3.398
174.0	3.009	3.167
177.0	2.203	2.816
180.0	1.352	1.427

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-15

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:

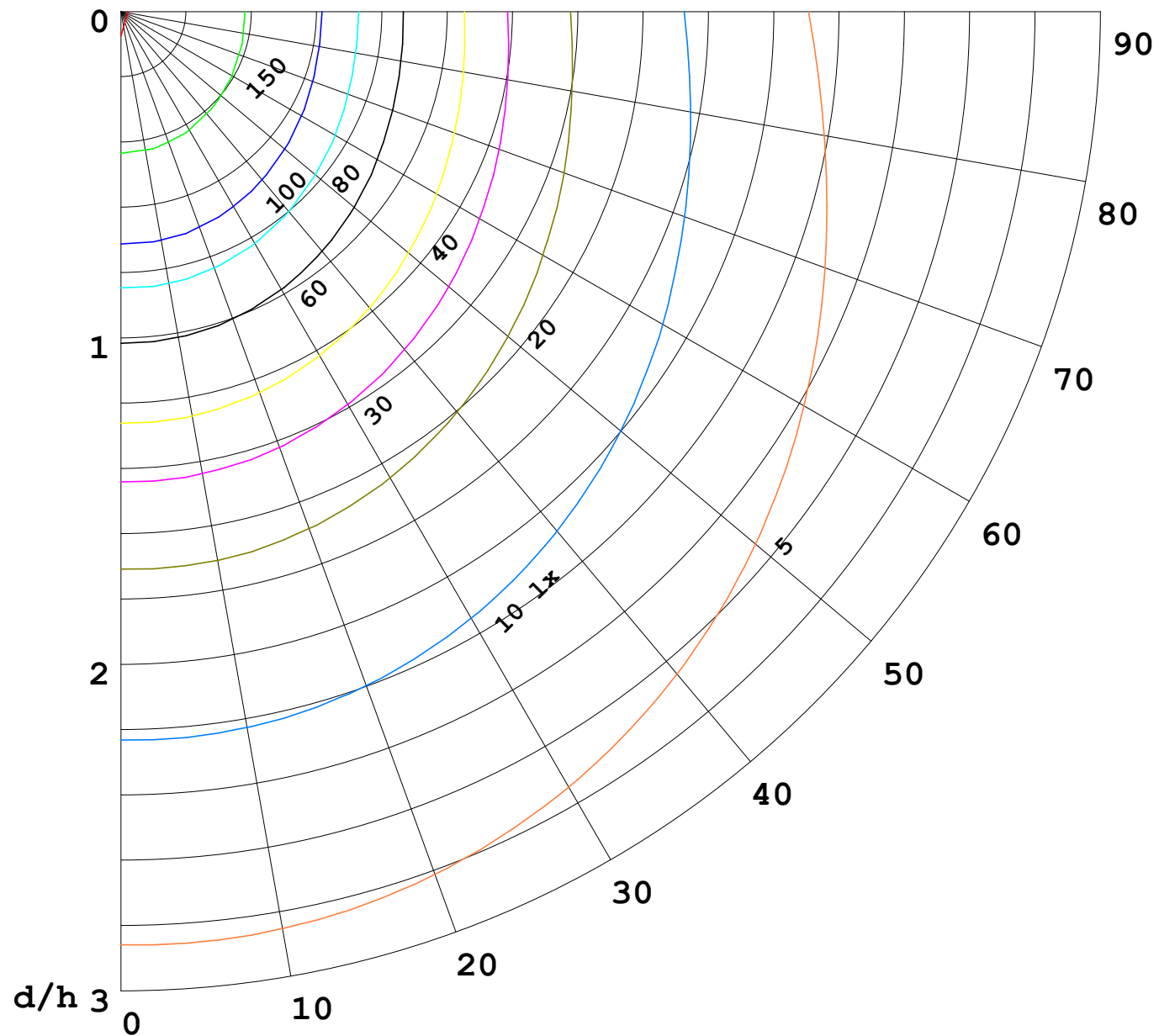
I (cd)





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

