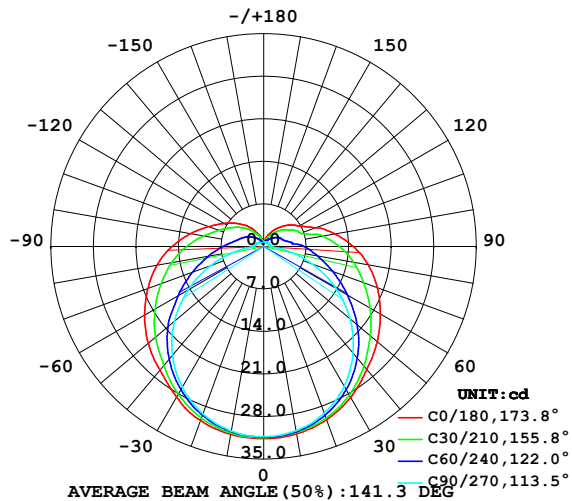


## LUMINAIRE PHOTOMETRIC TEST REPORT

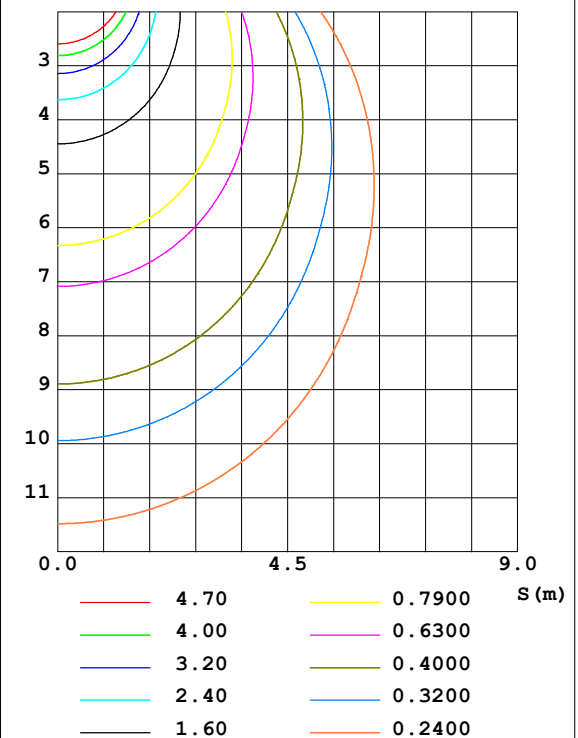
Test:U:12.00V I:0.4826A P:5.792W PF:1.000 Lamp Flux:147.527x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-w	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 25.47 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	31.63	S/MH (C0/180)	1.35
NOMINAL POWER (W)	4.25	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	147.53	η UP, DN (C0-180)	9.7, 40.1
NOMINAL FLUX (lm)	147.527	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	9.7, 40.5
LAMPS INSIDE	1	η up (%)	19.4	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	12.0	η down (%)	80.6	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



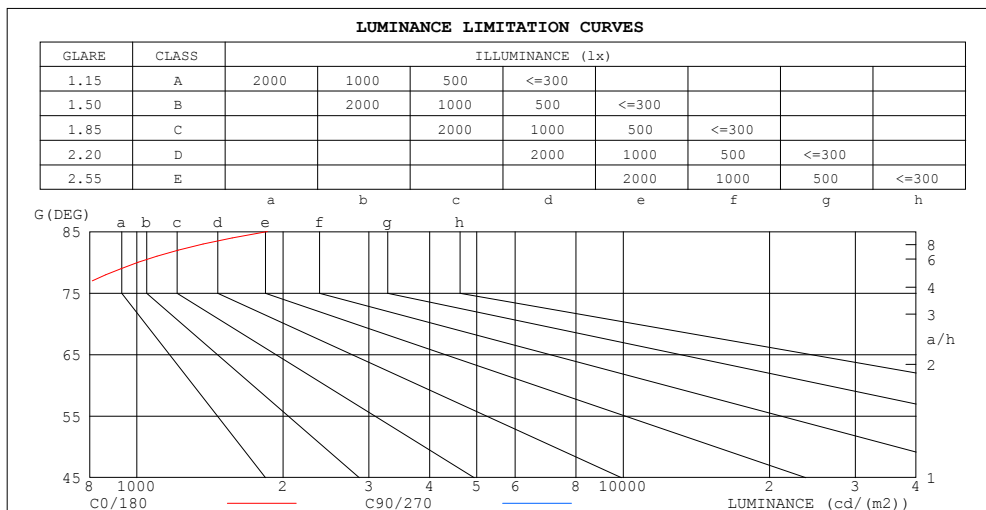
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-02-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 10.800m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	31.31	31.02	30.79	30.95	31.40	31.07	30.84	30.80	0- 10	2.978	2.978	2.02,2.02
20	30.34	29.81	29.20	29.91	30.47	29.79	29.30	29.59	10- 20	8.619	11.60	7.86,7.86
30	28.65	27.70	26.54	27.87	28.64	27.68	26.77	27.55	20- 30	13.31	24.91	16.9,16.9
40	26.40	24.82	22.91	24.68	26.58	24.89	23.37	24.78	30- 40	16.47	41.37	28,28
50	24.40	21.51	18.57	21.70	24.80	21.93	19.21	21.56	40- 50	17.99	59.36	40.2,40.2
60	22.18	18.06	13.71	18.54	22.64	18.46	14.35	18.13	50- 60	17.90	77.26	52.4,52.4
70	19.90	14.84	8.542	15.16	20.29	15.23	9.312	14.83	60- 70	16.42	93.68	63.5,63.5
80	17.48	12.01	3.708	12.21	17.83	12.28	4.568	11.92	70- 80	13.98	107.7	73,73
90	14.75	9.554	1.073	9.613	15.10	9.703	1.691	9.433	80- 90	11.27	118.9	80.6,80.6
100	11.94	7.155	0.9903	7.611	12.25	7.515	1.448	6.896	90-100	8.804	127.7	86.6,86.6
110	9.023	4.907	0.9558	6.413	9.617	5.912	1.350	5.035	100-110	6.611	134.3	91.1,91.1
120	6.748	4.200	0.9350	5.212	7.610	4.710	1.233	4.045	110-120	4.891	139.2	94.4,94.4
130	5.529	3.314	0.8796	4.073	5.954	3.664	0.9837	3.048	120-130	3.535	142.8	96.8,96.8
140	4.185	2.407	0.8307	2.791	4.486	2.722	0.7896	2.220	130-140	2.330	145.1	98.4,98.4
150	2.993	1.714	0.7480	1.963	3.025	1.867	0.6788	1.520	140-150	1.368	146.5	99.3,99.3
160	1.899	1.174	0.7411	1.288	1.924	1.230	0.6580	1.001	150-160	0.6920	147.2	99.8,99.8
170	0.9630	0.8759	0.7411	0.8310	0.9479	0.8278	0.6580	0.7792	160-170	0.2885	147.5	99.9,99.9
180	0.7549	0.7376	0.7411	0.7584	0.7618	0.7584	0.7272	0.7411	170-180	0.0746	147.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1855	211
80	1006	214
75	723	233
70	582	250
65	498	263
60	444	274
55	407	282
50	380	289
45	360	294

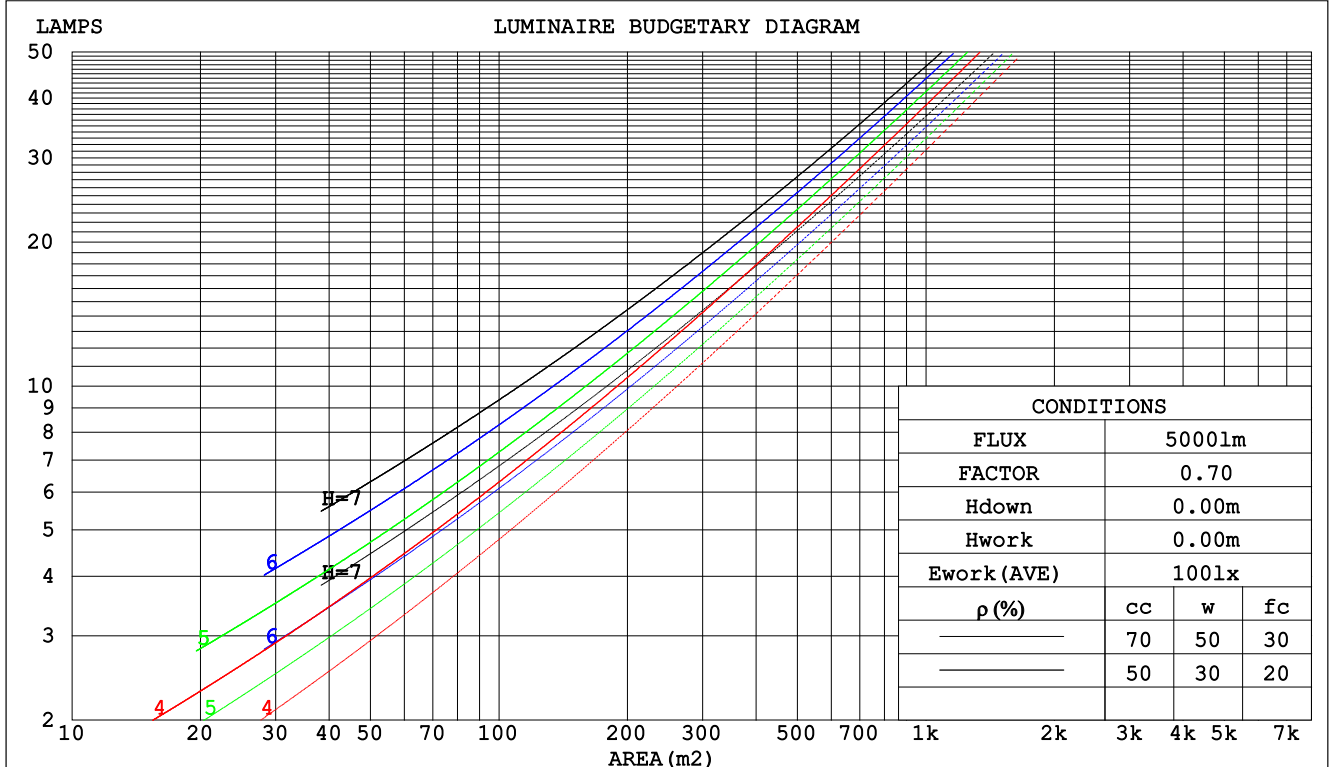
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.00V I:0.4826A P:5.792W PF:1.000 Lamp Flux:147.527x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-w	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.14	1.14	1.14	1.10	1.10	1.10	1.00	1.00	1.00	.92	.92	.92	.84	.84	.84	.81
1.0	.95	.90	.85	.91	.86	.82	.83	.79	.76	.76	.73	.70	.69	.67	.64	.61
2.0	.81	.74	.67	.78	.71	.65	.71	.65	.60	.65	.60	.56	.59	.55	.52	.48
3.0	.71	.62	.54	.67	.59	.53	.62	.55	.49	.56	.51	.46	.51	.47	.43	.40
4.0	.62	.53	.45	.59	.51	.44	.54	.47	.41	.50	.44	.39	.45	.40	.36	.33
5.0	.55	.45	.38	.53	.44	.37	.48	.41	.35	.44	.38	.33	.40	.35	.31	.28
6.0	.49	.40	.33	.47	.39	.32	.43	.36	.30	.40	.34	.29	.37	.31	.27	.24
7.0	.44	.35	.29	.43	.34	.28	.39	.32	.27	.36	.30	.25	.33	.28	.24	.21
8.0	.40	.32	.26	.39	.31	.25	.36	.29	.24	.33	.27	.22	.31	.25	.21	.19
9.0	.37	.29	.23	.36	.28	.22	.33	.26	.21	.30	.24	.20	.28	.23	.19	.17
10.0	.34	.26	.21	.33	.25	.20	.30	.24	.19	.28	.22	.18	.26	.21	.17	.15



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:12.00V I:0.4826A P:5.792W PF:1.000 Lamp Flux:147.527x1 lm					
NAME: SF21-12V-5050-60-W12-SPI4-3000K-w			TYPE: 硅胶		WEIGHT:
DIM.: 28MM*11.5MM			SPEC.:		SERIAL No.:20230223
MFR.: OLYMPIA			SUR.:0.5*0.018		PROTECTION 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	.349	.200	.064	.326	.188	.060	.305	.177	.057	
2.0	.334	.183	.056	.322	.177	.055	.300	.167	.052	.279	.157	.049	.260	.147	.046	
3.0	.296	.158	.047	.285	.153	.046	.265	.144	.044	.247	.135	.041	.229	.127	.039	
4.0	.266	.138	.041	.257	.134	.040	.238	.126	.038	.221	.119	.036	.206	.112	.034	
5.0	.242	.123	.036	.233	.120	.035	.217	.113	.033	.201	.106	.032	.187	.100	.030	
6.0	.222	.111	.032	.214	.108	.031	.198	.102	.030	.184	.096	.028	.171	.090	.027	
7.0	.204	.101	.029	.197	.098	.028	.183	.093	.027	.170	.087	.025	.158	.082	.024	
8.0	.189	.093	.026	.183	.090	.025	.170	.085	.024	.158	.080	.023	.147	.075	.022	
9.0	.177	.085	.024	.170	.083	.023	.159	.078	.022	.148	.074	.021	.137	.070	.020	
10.0	.165	.079	.022	.160	.077	.021	.149	.073	.021	.138	.069	.020	.129	.065	.019	

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	.338	.338	.338	.289	.289	.289	.197	.197	.197	.113	.113	.113	.036	.036	.036	
1.0	.335	.304	.277	.286	.261	.239	.196	.180	.165	.113	.104	.096	.036	.033	.031	
2.0	.328	.282	.243	.281	.242	.210	.192	.168	.146	.111	.098	.086	.036	.032	.028	
3.0	.320	.265	.221	.275	.229	.192	.188	.159	.135	.109	.093	.079	.035	.030	.026	
4.0	.312	.253	.207	.268	.218	.180	.184	.152	.127	.107	.089	.075	.034	.029	.025	
5.0	.305	.243	.197	.262	.210	.172	.180	.147	.121	.104	.086	.072	.034	.028	.024	
6.0	.297	.235	.190	.256	.204	.166	.176	.142	.117	.102	.084	.070	.033	.027	.023	
7.0	.290	.228	.185	.250	.198	.161	.172	.139	.114	.100	.082	.068	.032	.027	.023	
8.0	.284	.223	.181	.244	.193	.158	.169	.136	.112	.098	.080	.067	.032	.026	.022	
9.0	.277	.218	.178	.239	.189	.155	.166	.133	.110	.096	.079	.066	.031	.026	.022	
10.0	.271	.214	.176	.234	.186	.153	.162	.131	.109	.095	.077	.065	.031	.025	.022	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:WFW  
 Test Date:2023-02-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:10.800m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

Test:U:12.00V I:0.4826A P:5.792W PF:1.000 Lamp Flux:147.527x1 lm										
NAME: SF21-12V-5050-60-W12-SPI4-3000K-w						TYPE:硅胶			WEIGHT:	
DIM.: 28MM*11.5MM						SPEC.:			SERIAL No.:20230223	
MFR.: OLYMPIA						SUR.:0.5*0.018			PROTECTION 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	8.8	10.2	9.4	10.7	11.3	6.9	8.3	7.4	8.8	9.4
3H	11.6	12.8	12.1	13.4	14.0	8.5	9.8	9.1	10.3	10.9
4H	13.1	14.3	13.7	14.9	15.5	9.2	10.4	9.7	10.9	11.6
6H	14.8	15.9	15.4	16.5	17.2	9.7	10.8	10.3	11.4	12.1
8H	15.8	16.9	16.4	17.5	18.2	9.9	10.9	10.5	11.5	12.2
12H	16.9	17.9	17.5	18.5	19.2	10.0	11.0	10.6	11.7	12.4
4H 2H	9.4	10.6	10.0	11.2	11.8	8.0	9.2	8.6	9.7	10.4
3H	12.4	13.4	13.0	14.0	14.7	9.8	10.9	10.4	11.5	12.2
4H	14.1	15.1	14.8	15.7	16.4	10.7	11.6	11.3	12.3	13.0
6H	16.0	16.9	16.7	17.6	18.3	11.4	12.3	12.1	12.9	13.7
8H	17.1	17.9	17.8	18.6	19.4	11.7	12.5	12.4	13.2	14.0
12H	18.3	19.1	19.0	19.8	20.6	11.9	12.7	12.6	13.4	14.2
8H 4H	14.4	15.3	15.1	15.9	16.7	11.7	12.5	12.4	13.2	14.0
6H	16.7	17.4	17.4	18.1	18.9	12.8	13.5	13.5	14.2	15.1
8H	18.0	18.6	18.7	19.3	20.2	13.4	14.0	14.1	14.7	15.5
12H	19.5	20.0	20.2	20.7	21.6	13.8	14.4	14.6	15.1	16.0
12H 4H	14.5	15.2	15.2	15.9	16.7	12.1	12.8	12.8	13.5	14.3
6H	16.8	17.4	17.5	18.1	19.0	13.4	14.0	14.1	14.8	15.6
8H	18.2	18.7	19.0	19.5	20.4	14.1	14.7	14.9	15.4	16.3
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 Corrected 147.5 lm Total Lamp Luminous Flux. (8log(F/F0) = -6.6)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:WFW  
 Test Date:2023-02-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:10.800m [K=1.0000]  
 Remarks:

### UTILIZATION FACTORS TABLE

Test:U:12.00V I:0.4826A P:5.792W PF:1.000 Lamp Flux:147.527x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-w	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

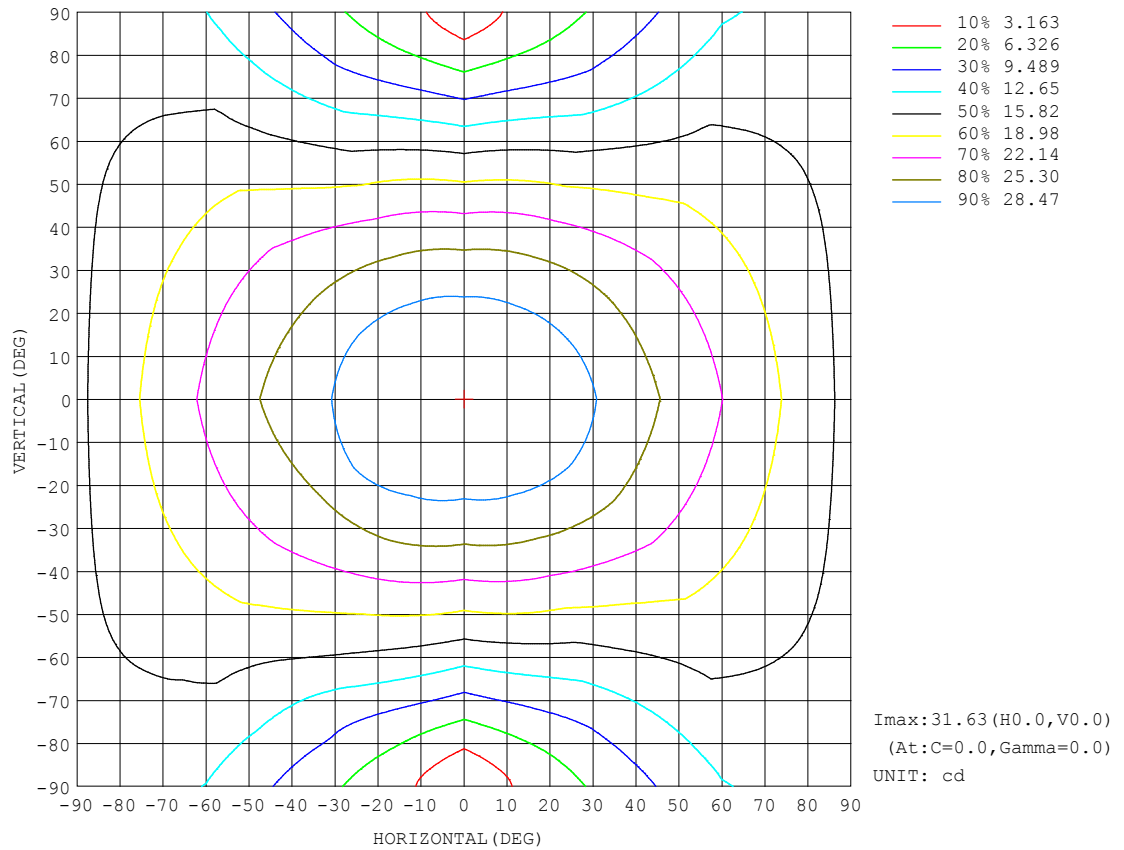
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	35	28	46	34	27	44	34	27	20
0.80	56	43	35	55	43	35	52	41	34	26
1.00	64	51	43	62	50	42	58	50	41	32
1.25	71	58	50	69	57	49	64	54	47	37
1.50	76	64	55	73	62	54	68	59	52	41
2.00	83	72	64	80	70	62	74	66	59	48
2.50	88	78	70	84	75	68	78	70	64	51
3.00	92	82	75	88	79	73	81	74	69	55
4.00	96	88	82	92	85	79	85	79	74	59
5.00	99	92	86	95	89	84	87	82	78	63
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:12.00V I:0.4826A P:5.792W PF:1.000 Lamp Flux:147.527x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-w	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

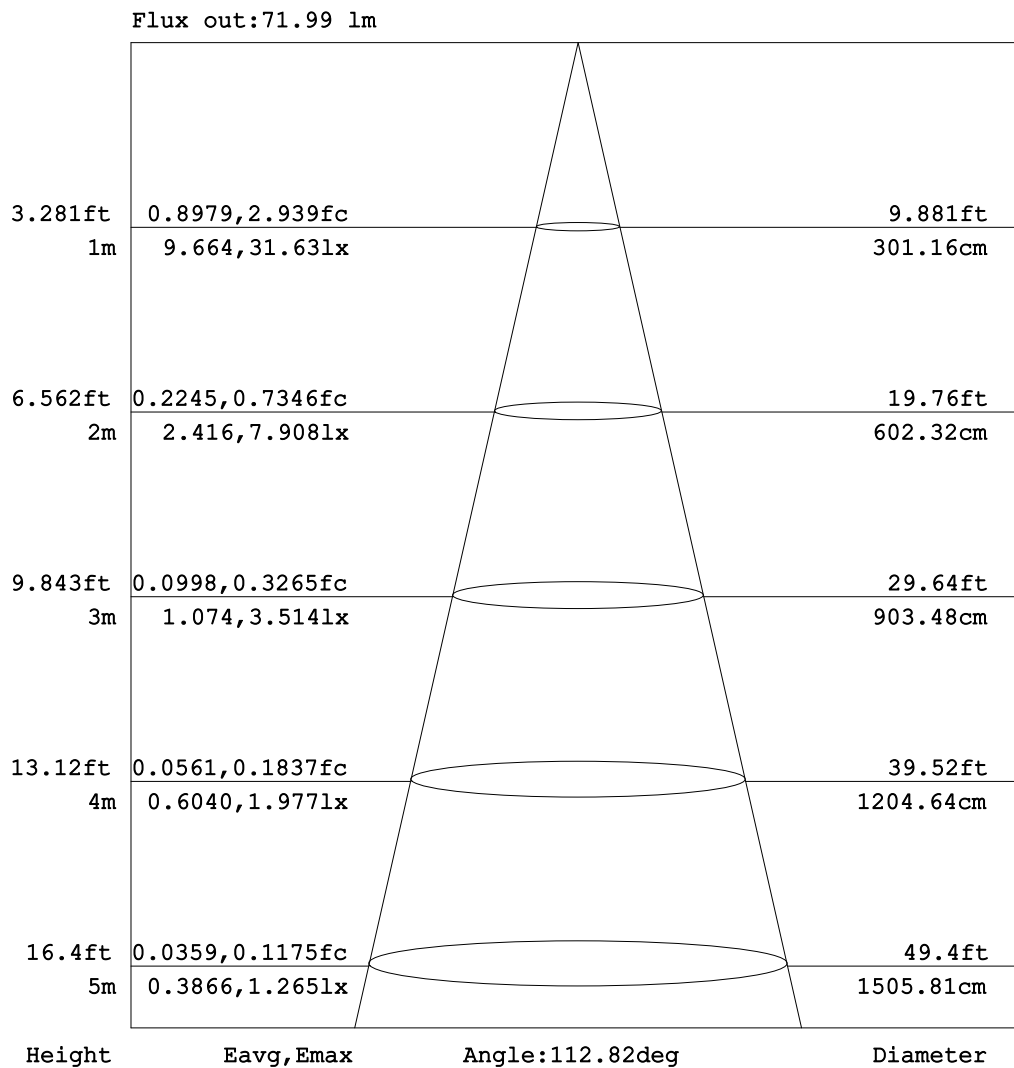


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

## AAI Figure

Test:U:12.00V I:0.4826A P:5.792W PF:1.000 Lamp Flux:147.527x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-w	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:



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

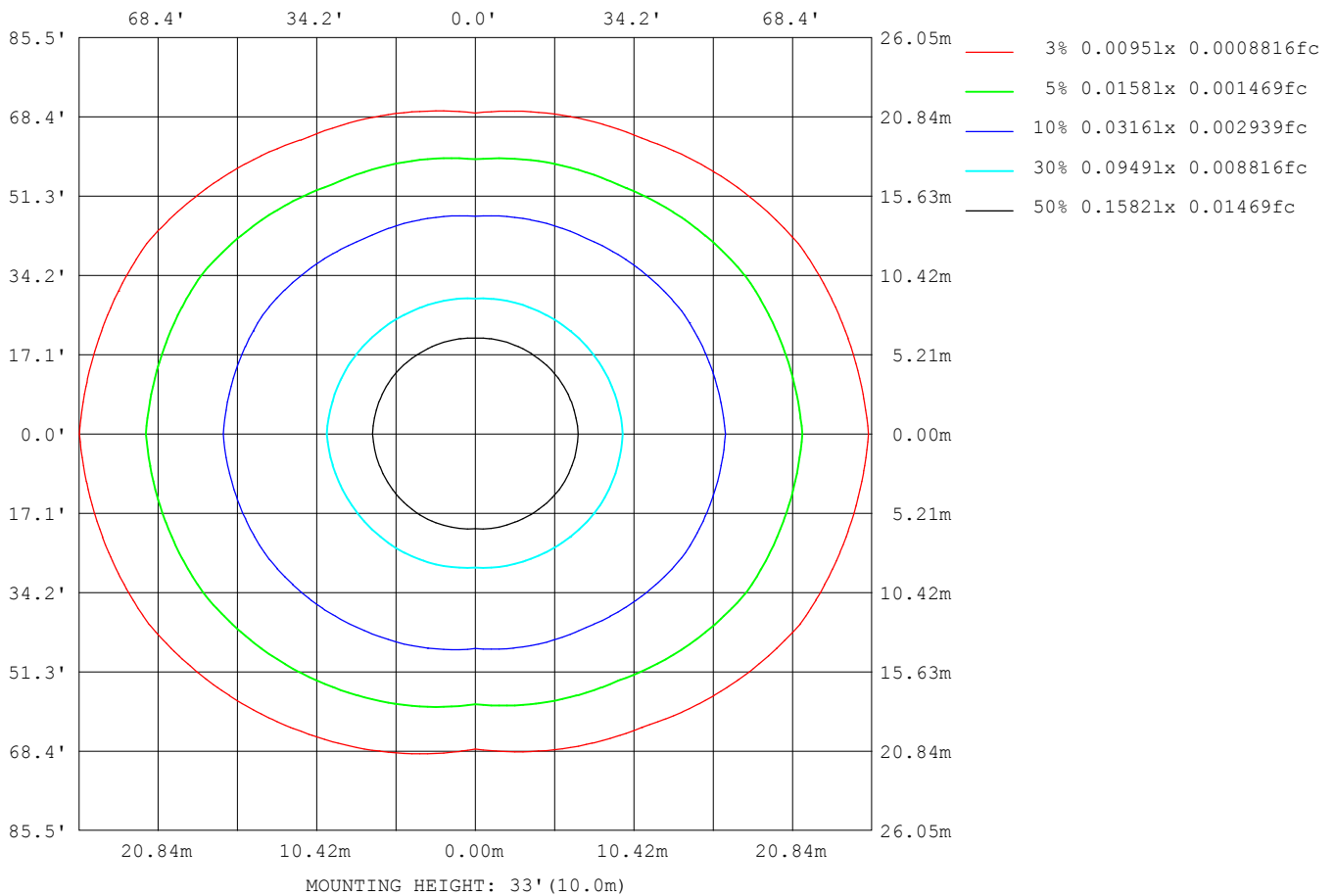
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-02-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 10.800m [K=1.0000]  
Remarks:



## ISOLUX DIAGRAM

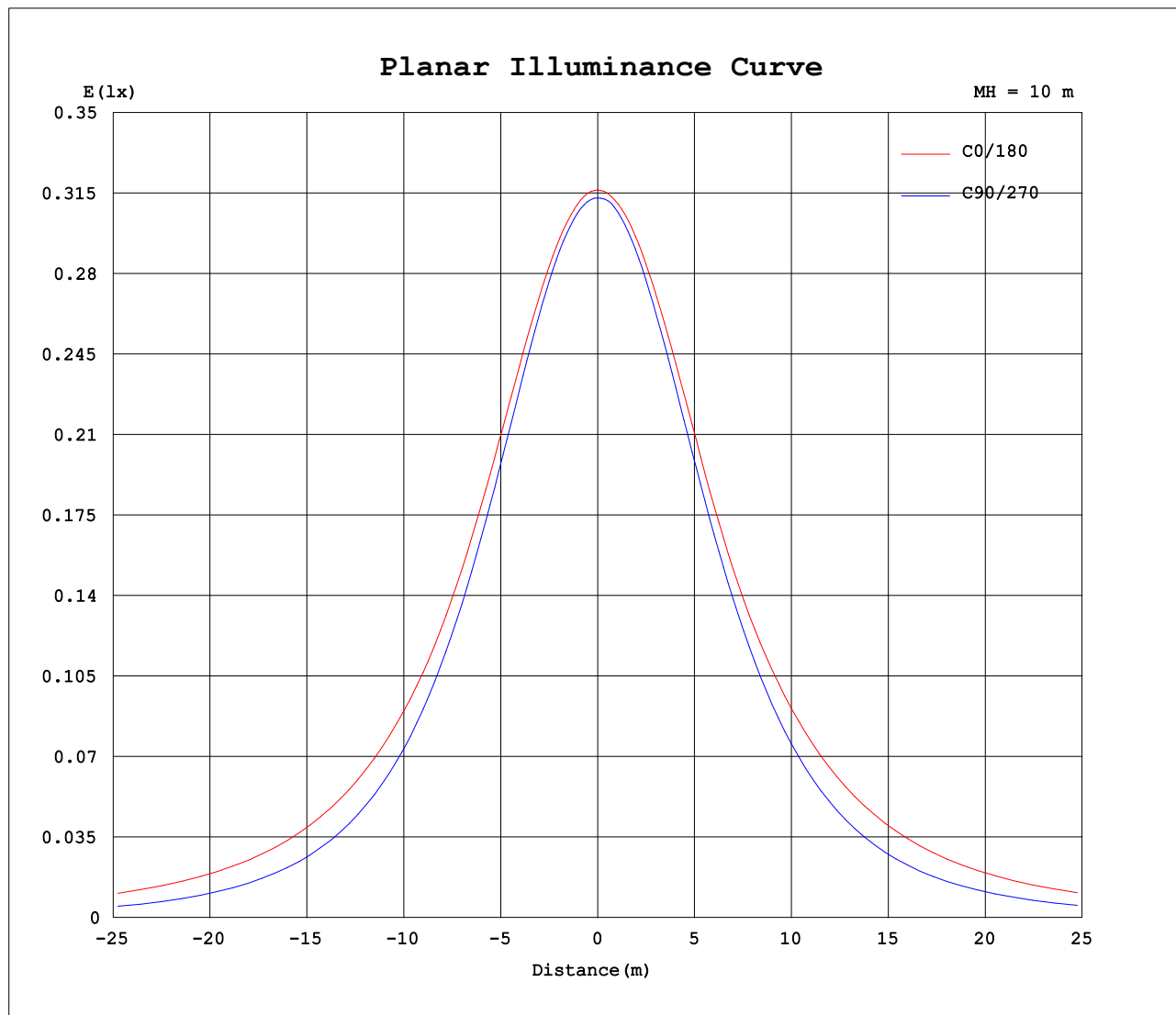
Test:U:12.00V I:0.4826A P:5.792W PF:1.000 Lamp Flux:147.527x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-w	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-02-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 10.800m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.00V I:0.4826A P:5.792W PF:1.000 Lamp Flux:147.527x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-w	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	31.6	31.5	31.4	31.3	31.2	31.2	31.6	31.5	31.4	31.3	31.2	31.2						
5	31.6	31.3	31.3	31.2	31.2	31.1	31.6	31.5	31.3	31.2	31.1	31.1						
10	31.3	31.1	31.0	30.8	30.9	31.0	31.4	31.2	30.9	30.8	30.7	30.8						
15	30.9	30.7	30.4	30.1	30.4	30.7	31.0	30.7	30.4	30.2	30.2	30.4						
20	30.3	30.1	29.6	29.2	29.6	30.2	30.5	30.0	29.6	29.3	29.4	29.8						
25	29.6	29.2	28.5	28.0	28.6	29.5	29.7	29.2	28.5	28.1	28.4	28.9						
30	28.6	28.2	27.2	26.5	27.3	28.4	28.6	28.1	27.3	26.8	27.2	27.9						
35	27.6	27.0	25.7	24.8	25.8	26.5	27.6	26.9	25.8	25.2	25.8	26.7						
40	26.4	25.7	24.0	22.9	24.2	25.2	26.6	25.6	24.2	23.4	24.2	25.4						
45	25.4	24.2	22.1	20.8	22.4	24.0	25.7	24.4	22.5	21.4	22.4	24.0						
50	24.4	22.9	20.1	18.6	20.5	22.9	24.8	23.3	20.6	19.2	20.4	22.7						
55	23.3	21.6	18.0	16.2	18.6	21.6	23.8	22.0	18.4	16.8	18.3	21.4						
60	22.2	20.2	15.9	13.7	16.7	20.4	22.6	20.6	16.3	14.3	16.2	20.0						
65	21.1	18.9	14.0	11.1	14.8	19.0	21.5	19.3	14.4	11.8	14.2	18.7						
70	19.9	17.5	12.1	8.54	12.6	17.7	20.3	17.9	12.5	9.31	12.3	17.4						
75	18.7	16.3	10.4	6.04	10.6	16.4	19.1	16.6	10.8	6.85	10.5	16.1						
80	17.5	15.0	8.99	3.71	9.28	15.1	17.8	15.3	9.22	4.57	8.99	14.9						
85	16.2	13.8	7.75	1.84	7.88	13.9	16.5	14.0	7.90	2.68	7.69	13.6						
90	14.7	12.5	6.65	1.07	6.66	12.6	15.1	12.7	6.72	1.69	6.58	12.3						
95	13.3	11.2	4.86	1.00	5.76	11.3	13.7	11.4	5.74	1.56	5.57	11.0						
100	11.9	9.92	4.39	0.99	5.22	10.00	12.2	10.1	4.94	1.45	4.31	9.48						
105	10.6	7.92	3.72	0.97	5.08	8.85	10.9	8.89	4.40	1.39	3.72	8.31						
110	9.02	6.49	3.33	0.96	4.98	7.85	9.62	7.85	3.97	1.35	3.29	6.78						
115	7.71	6.13	3.16	0.93	4.62	7.01	8.56	7.00	3.57	1.29	3.00	6.05						
120	6.75	5.46	2.94	0.93	4.18	6.24	7.61	6.23	3.19	1.23	2.71	5.38						
125	6.21	4.81	2.63	0.93	3.75	5.55	6.76	5.54	2.81	1.12	2.30	4.66						
130	5.53	4.36	2.27	0.88	3.24	4.91	5.95	4.88	2.44	0.98	1.95	4.15						
135	4.84	3.71	1.98	0.87	2.34	4.25	5.19	4.25	2.08	0.87	1.72	3.73						
140	4.18	3.12	1.70	0.83	1.93	3.66	4.49	3.66	1.79	0.79	1.47	2.97						
145	3.54	2.58	1.49	0.75	1.68	3.07	3.79	3.07	1.54	0.73	1.21	2.40						
150	2.99	2.13	1.30	0.75	1.44	2.49	3.02	2.44	1.29	0.68	1.05	2.00						
155	2.33	1.68	1.12	0.75	1.12	2.04	2.37	2.04	0.99	0.66	0.83	1.57						
160	1.90	1.33	1.02	0.74	0.96	1.62	1.92	1.64	0.82	0.66	0.78	1.23						
165	1.46	1.06	0.90	0.75	0.85	1.13	1.37	1.16	0.75	0.66	0.73	0.94						
170	0.96	0.93	0.82	0.74	0.80	0.86	0.95	0.91	0.75	0.66	0.73	0.83						
175	0.80	0.76	0.80	0.74	0.77	0.75	0.75	0.78	0.75	0.70	0.73	0.79						
180	0.75	0.75	0.72	0.74	0.76	0.75	0.76	0.76	0.75	0.73	0.72	0.76						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [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	31.63	31.45	31.37	31.29	31.21	31.18	31.63	31.45	31.37	31.29
3.0	31.61	31.41	31.37	31.26	31.21	31.17	31.61	31.46	31.34	31.30
6.0	31.51	31.30	31.27	31.12	31.19	31.11	31.55	31.44	31.23	31.18
9.0	31.37	31.16	31.06	30.89	31.00	31.01	31.46	31.28	31.03	30.94
12.0	31.17	30.95	30.75	30.56	30.74	30.86	31.28	31.04	30.74	30.61
15.0	30.92	30.67	30.39	30.14	30.42	30.65	31.03	30.71	30.37	30.20
18.0	30.58	30.33	29.91	29.61	29.97	30.40	30.72	30.34	29.90	29.70
21.0	30.20	29.91	29.36	28.98	29.44	30.08	30.35	29.87	29.36	29.10
24.0	29.75	29.42	28.72	28.25	28.83	29.66	29.91	29.35	28.74	28.40
27.0	29.23	28.85	27.99	27.43	28.11	29.17	29.34	28.74	28.03	27.62
30.0	28.65	28.23	27.17	26.54	27.30	28.43	28.64	28.11	27.25	26.77
33.0	28.01	27.51	26.31	25.53	26.45	27.18	28.00	27.41	26.42	25.83
36.0	27.34	26.75	25.35	24.44	25.52	26.25	27.33	26.66	25.51	24.82
39.0	26.64	25.94	24.33	23.32	24.53	25.45	26.75	25.84	24.54	23.74
42.0	25.99	25.10	23.28	22.10	23.48	24.68	26.26	25.05	23.53	22.60
45.0	25.43	24.22	22.13	20.79	22.42	24.01	25.75	24.37	22.48	21.39
48.0	24.82	23.44	20.91	19.49	21.29	23.37	25.20	23.71	21.37	20.11
51.0	24.19	22.67	19.69	18.09	20.12	22.66	24.60	23.01	20.20	18.73
54.0	23.53	21.86	18.38	16.66	18.95	21.90	23.97	22.26	18.85	17.32
57.0	22.87	21.05	17.09	15.17	17.80	21.14	23.32	21.46	17.44	15.86
60.0	22.18	20.23	15.89	13.71	16.72	20.35	22.64	20.64	16.27	14.35
63.0	21.49	19.40	14.71	12.16	15.65	19.55	21.94	19.86	15.11	12.86
66.0	20.82	18.61	13.58	10.59	14.42	18.77	21.23	19.01	13.99	11.34
69.0	20.14	17.80	12.50	9.061	13.07	17.98	20.53	18.22	12.86	9.825
72.0	19.43	17.01	11.43	7.503	11.73	17.20	19.81	17.44	11.80	8.343
75.0	18.71	16.28	10.43	6.043	10.61	16.43	19.09	16.63	10.78	6.847
78.0	17.97	15.53	9.519	4.602	9.713	15.69	18.34	15.88	9.824	5.441
81.0	17.21	14.78	8.729	3.265	9.034	14.94	17.57	15.09	8.959	4.138
84.0	16.42	14.03	7.975	2.137	8.155	14.15	16.78	14.30	8.142	3.002
87.0	15.60	13.24	7.282	1.328	7.351	13.37	15.96	13.51	7.401	2.122
90.0	14.75	12.46	6.651	1.073	6.658	12.57	15.10	12.68	6.723	1.691
93.0	13.90	11.67	6.000	1.025	6.090	11.77	14.23	11.87	6.113	1.635
96.0	13.04	10.91	4.663	0.9973	5.625	11.02	13.38	11.11	5.587	1.538
99.0	12.20	10.14	4.588	0.9835	5.292	10.25	12.53	10.33	5.096	1.462
102.0	11.40	9.409	4.060	0.9765	5.105	9.514	11.68	9.553	4.695	1.420
105.0	10.61	7.919	3.720	0.9696	5.084	8.849	10.86	8.887	4.404	1.385
108.0	9.872	6.827	3.457	0.9696	5.056	8.226	10.11	8.230	4.154	1.358
111.0	8.750	6.364	3.304	0.9558	4.925	7.658	9.369	7.655	3.898	1.337
114.0	7.981	6.239	3.207	0.9419	4.704	7.153	8.773	7.156	3.649	1.302
117.0	7.323	5.844	3.082	0.9350	4.441	6.682	8.156	6.678	3.414	1.267
120.0	6.748	5.464	2.937	0.9350	4.184	6.239	7.610	6.235	3.185	1.233
123.0	6.401	5.082	2.764	0.9349	3.921	5.837	7.104	5.805	2.957	1.171
126.0	6.082	4.730	2.563	0.9141	3.672	5.429	6.592	5.403	2.742	1.088
129.0	5.667	4.411	2.356	0.8933	3.367	5.013	6.120	5.009	2.534	1.011
132.0	5.251	4.148	2.147	0.8796	2.904	4.646	5.643	4.621	2.271	0.9283
135.0	4.843	3.711	1.981	0.8724	2.343	4.251	5.193	4.253	2.084	0.8729
138.0	4.448	3.365	1.808	0.8380	2.044	3.912	4.756	3.893	1.897	0.8174
141.0	4.060	2.998	1.649	0.7895	1.884	3.545	4.341	3.547	1.731	0.7895
144.0	3.679	2.693	1.524	0.7549	1.732	3.206	3.932	3.215	1.592	0.7481
147.0	3.326	2.375	1.420	0.7480	1.580	2.811	3.517	2.813	1.433	0.7065
150.0	2.993	2.125	1.302	0.7480	1.441	2.485	3.025	2.439	1.294	0.6788
153.0	2.578	1.848	1.185	0.7480	1.199	2.188	2.596	2.196	1.066	0.6649
156.0	2.224	1.627	1.108	0.7480	1.088	1.945	2.264	1.954	0.9555	0.6580
159.0	1.982	1.412	1.046	0.7479	0.9907	1.717	1.994	1.718	0.8584	0.6580
162.0	1.725	1.232	0.9630	0.7480	0.9144	1.453	1.737	1.469	0.7824	0.6580
165.0	1.456	1.059	0.9006	0.7480	0.8520	1.128	1.370	1.157	0.7480	0.6580
168.0	1.185	0.9693	0.8383	0.7480	0.8036	0.9555	1.079	0.9909	0.7480	0.6580
171.0	0.9216	0.8655	0.8310	0.7411	0.7760	0.8376	0.8653	0.8729	0.7480	0.6580
174.0	0.8247	0.7961	0.8034	0.7411	0.7688	0.7549	0.7618	0.8035	0.7480	0.6718
177.0	0.7688	0.7549	0.7826	0.7411	0.7688	0.7549	0.7550	0.7757	0.7481	0.6995
180.0	0.7549	0.7549	0.7203	0.7411	0.7618	0.7549	0.7618	0.7618	0.7549	0.7272
G/C	300.0	330.0								
0.0	31.21	31.18								
3.0	31.18	31.18								
6.0	31.05	31.08								
9.0	30.83	30.92								
12.0	30.53	30.68								
15.0	30.19	30.41								
18.0	29.74	30.05								
21.0	29.21	29.62								
24.0	28.62	29.12								
27.0	27.94	28.54								
30.0	27.19	27.91								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: WFW  
 Test Date: 2023-02-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 10.800m [K=1.0000]  
 Remarks:

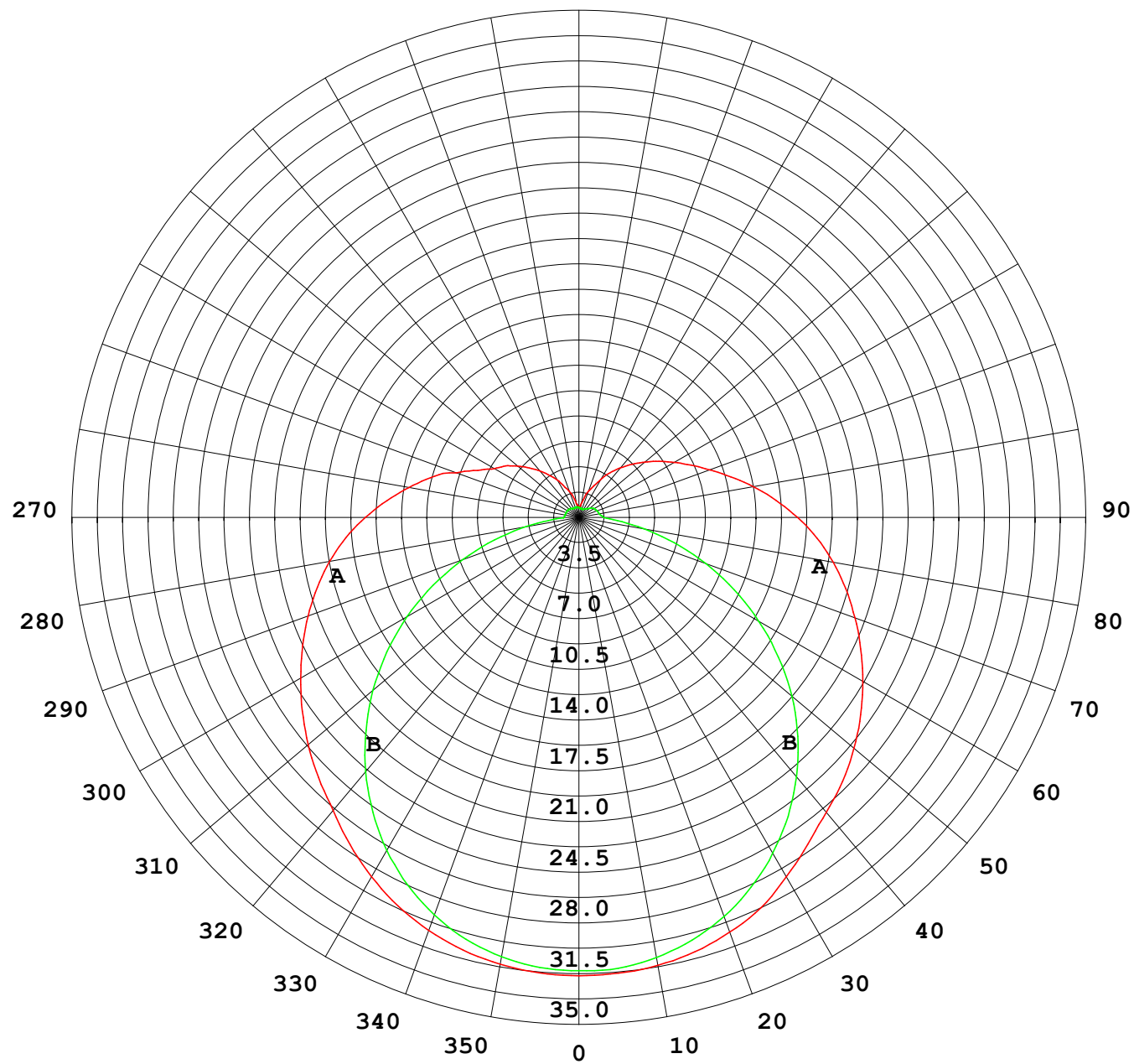
## Photometric Data Table [cd]

33.0	26.38	27.23
36.0	25.47	26.47
39.0	24.51	25.67
42.0	23.48	24.84
45.0	22.37	23.97
48.0	21.19	23.23
51.0	19.98	22.45
54.0	18.75	21.67
57.0	17.50	20.85
60.0	16.24	20.02
63.0	15.02	19.21
66.0	13.83	18.41
69.0	12.68	17.62
72.0	11.55	16.86
75.0	10.50	16.13
78.0	9.554	15.35
81.0	8.703	14.60
84.0	7.914	13.84
87.0	7.221	13.04
90.0	6.584	12.28
93.0	5.913	11.52
96.0	5.405	10.68
99.0	4.760	9.782
102.0	4.071	9.102
105.0	3.725	8.313
108.0	3.435	7.219
111.0	3.220	6.636
114.0	3.061	6.179
117.0	2.832	5.778
120.0	2.714	5.376
123.0	2.485	5.057
126.0	2.222	4.517
129.0	2.042	4.212
132.0	1.869	4.004
135.0	1.724	3.727
138.0	1.544	3.291
141.0	1.406	2.834
144.0	1.274	2.501
147.0	1.156	2.224
150.0	1.045	1.995
153.0	0.8791	1.739
156.0	0.8312	1.483
159.0	0.7962	1.268
162.0	0.7549	1.102
165.0	0.7341	0.9352
168.0	0.7272	0.8727
171.0	0.7272	0.8242
174.0	0.7272	0.7965
177.0	0.7272	0.7689
180.0	0.7203	0.7618

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-24

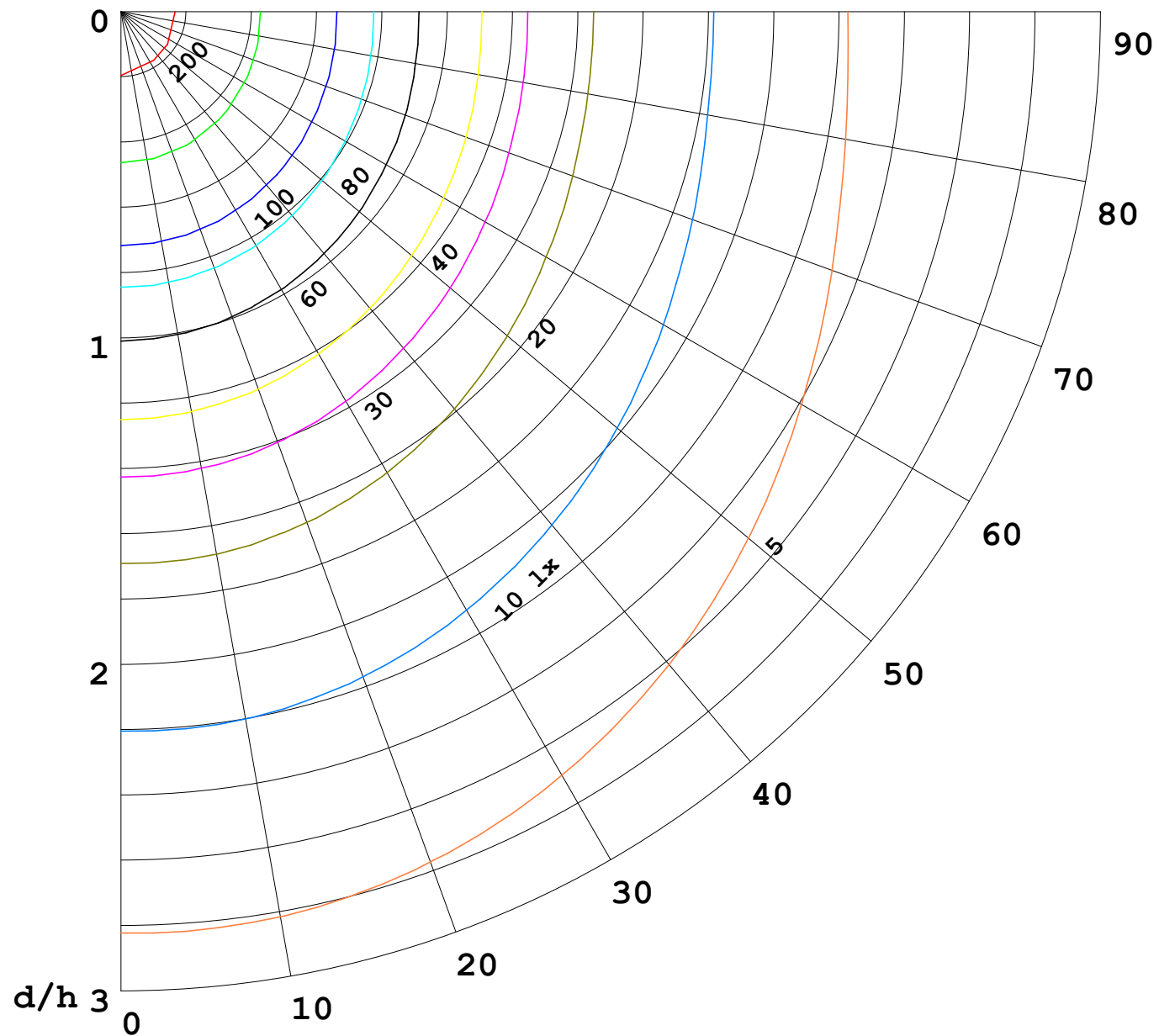
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

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

