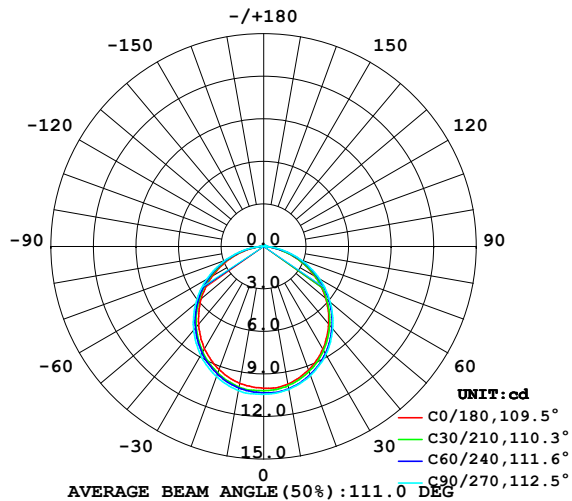


## LUMINAIRE PHOTOMETRIC TEST REPORT

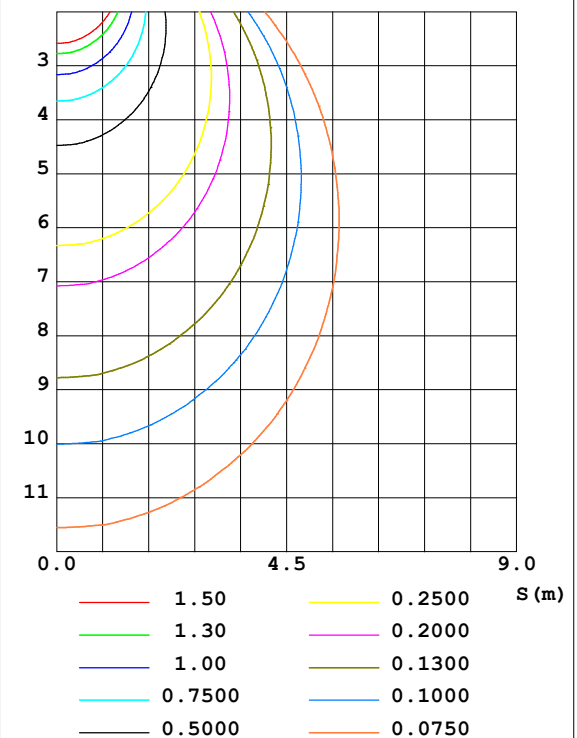
Test:U:12.00V I:0.4824A P:5.789W PF:1.000 Lamp Flux:29.5406x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-R	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 5.10 lm/W
MODEL	5050	I <sub>max</sub> (cd)	10.60	S/MH (C0/180)	1.24	
NOMINAL POWER (W)	4.25	LOR (%)	100.0	S/MH (C90/270)	1.25	
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	29.541	η UP, DN (C0-180)	1.1, 48.8	
NOMINAL FLUX (lm)	29.5406	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 49.3	
LAMPS INSIDE	1	η up (%)	1.9	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	12.0	η down (%)	98.1	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



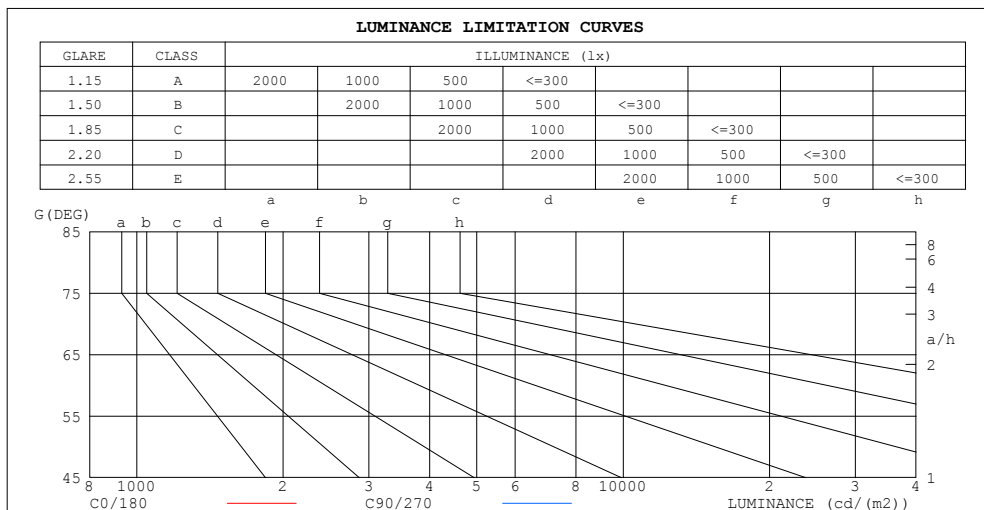
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-02-23

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	9.856	10.08	10.26	10.38	9.806	10.10	10.33	10.39	0- 10	0.9799	0.9799	3.32,3.32
20	9.281	9.499	9.675	9.793	9.231	9.533	9.759	9.796	10- 20	2.802	3.782	12.8,12.8
30	8.347	8.592	8.788	8.883	8.365	8.643	8.880	8.865	20- 30	4.234	8.016	27.1,27.1
40	7.135	7.376	7.569	7.636	7.146	7.452	7.689	7.639	30- 40	5.078	13.09	44.3,44.3
50	5.729	5.922	6.135	6.178	5.747	6.032	6.256	6.153	40- 50	5.231	18.33	62,62
60	4.136	4.318	4.542	4.533	4.181	4.443	4.642	4.501	50- 60	4.694	23.02	77.9,77.9
70	2.454	2.601	2.810	2.760	2.512	2.739	2.931	2.742	60- 70	3.530	26.55	89.9,89.9
80	0.8880	0.9594	1.127	1.043	0.8917	1.063	1.227	1.039	70- 80	1.950	28.50	96.5,96.5
90	0.0903	0.1109	0.1801	0.1248	0	0.0832	0.1665	0.0832	80- 90	0.4766	28.98	98.1,98.1
100	0.0623	0.0935	0.1731	0.1108	0	0.0519	0.1454	0.0623	90-100	0.0982	29.07	98.4,98.4
110	0.0416	0.0935	0.1108	0.1177	0.0139	0.0519	0.1385	0.0624	100-110	0.0868	29.16	98.7,98.7
120	0.0416	0.1004	0.1108	0.1178	0.0347	0.0520	0.1247	0.0727	110-120	0.0821	29.24	99,99
130	0.0623	0.1004	0.1108	0.1281	0.0554	0.0658	0.1247	0.0762	120-130	0.0789	29.32	99.3,99.3
140	0.0623	0.1004	0.1108	0.1281	0.0764	0.0796	0.1247	0.0970	130-140	0.0735	29.40	99.5,99.5
150	0.0623	0.1004	0.1108	0.1247	0.0831	0.0796	0.1108	0.0970	140-150	0.0623	29.46	99.7,99.7
160	0.0623	0.1004	0.1108	0.1247	0.0831	0.0796	0.1108	0.0970	150-160	0.0451	29.50	99.9,99.9
170	0.0762	0.1004	0.1108	0.1212	0.0831	0.0831	0.1108	0.0970	160-170	0.0278	29.53	100,100
180	0.0762	0.0935	0.1108	0.1177	0.0762	0.0831	0.1108	0.0970	170-180	0.0094	29.54	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	37	51
80	51	65
75	64	76
70	72	82
65	78	87
60	83	91
55	86	93
50	89	95
45	91	97

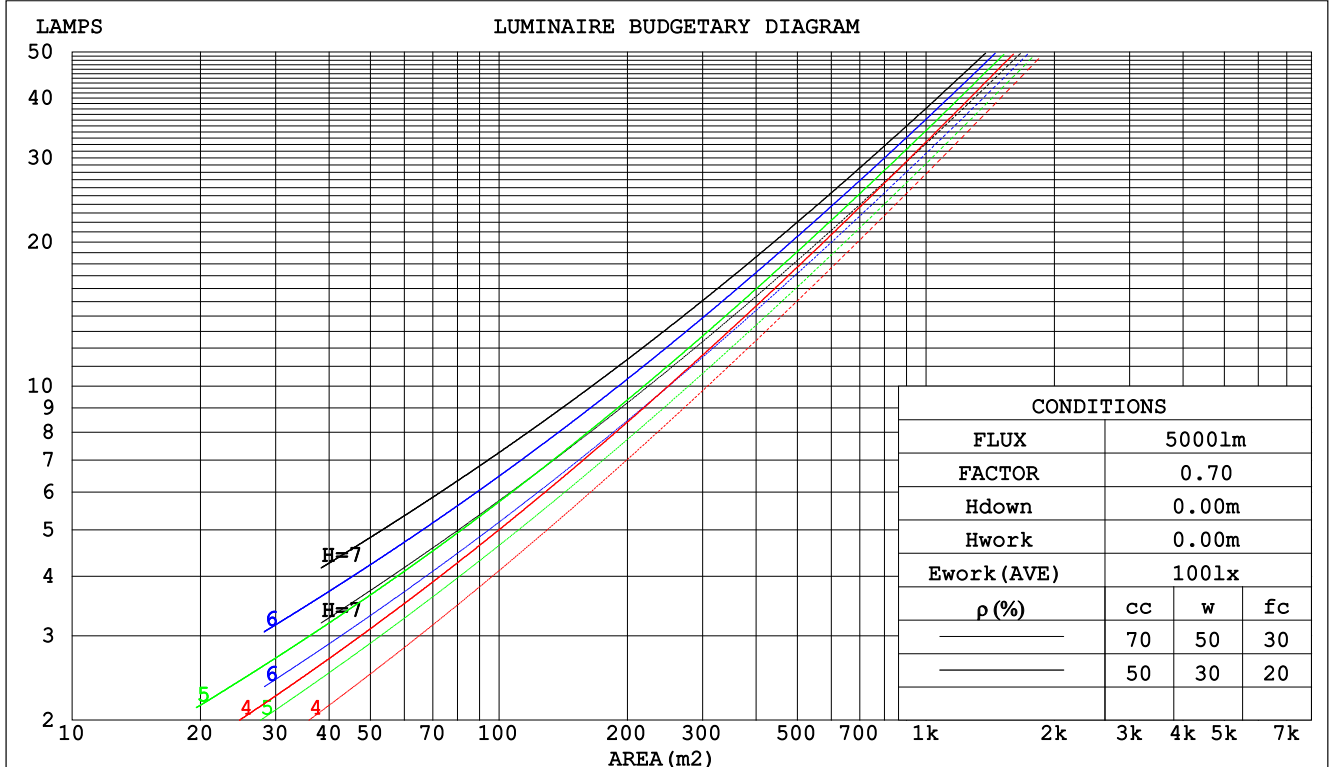
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

$\gamma$  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:0.4824A P:5.789W PF:1.000 Lamp Flux:29.5406x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-R	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.04	.99	.96	1.01	.97	.94	.97	.93	.91	.92	.90	.87	.89	.86	.85	.82
2.0	.90	.84	.78	.88	.82	.77	.84	.79	.75	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.65	.78	.70	.64	.74	.68	.63	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.62	.55	.69	.61	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.57	.48	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.45	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.29
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.26
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

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:

## WEC AND CCEC

Test:U:12.00V I:0.4824A P:5.789W PF:1.000 Lamp Flux:29.5406x1 lm					
NAME: SF15-12V-5050-60-W12-SPI4-3000K-R			TYPE:硅胶		WEIGHT:
DIM.: 21MM*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	.304	.173	.055	.297	.169	.054	.282	.162	.052	.269	.155	.050	.257	.149	.048		
2.0	.288	.158	.048	.281	.155	.048	.268	.149	.046	.257	.144	.045	.246	.139	.044		
3.0	.267	.142	.043	.261	.140	.042	.250	.135	.041	.239	.131	.040	.230	.127	.039		
4.0	.247	.128	.038	.241	.126	.037	.231	.123	.037	.222	.119	.036	.213	.116	.035		
5.0	.228	.116	.034	.224	.115	.033	.215	.112	.033	.206	.109	.032	.199	.106	.032		
6.0	.212	.106	.030	.208	.105	.030	.200	.102	.030	.192	.100	.029	.185	.098	.029		
7.0	.197	.098	.028	.194	.096	.027	.186	.094	.027	.180	.092	.027	.173	.090	.026		
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.085	.025	.163	.084	.024		
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.159	.079	.023	.153	.078	.023		
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.074	.021	.145	.073	.021		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.205	.205	.205	.175	.175	.175	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.195	.171	.149	.167	.147	.129	.114	.101	.089	.066	.058	.052	.021	.019	.017	
2.0	.186	.147	.113	.160	.126	.098	.109	.087	.068	.063	.051	.040	.020	.016	.013	
3.0	.179	.129	.090	.153	.111	.078	.105	.077	.054	.061	.045	.032	.020	.015	.011	
4.0	.171	.116	.074	.147	.100	.064	.101	.070	.045	.058	.041	.027	.019	.013	.009	
5.0	.164	.105	.062	.141	.091	.054	.097	.064	.038	.056	.037	.023	.018	.012	.007	
6.0	.157	.097	.054	.135	.084	.047	.093	.059	.034	.054	.035	.020	.017	.011	.007	
7.0	.150	.090	.048	.129	.078	.042	.089	.055	.030	.052	.032	.018	.017	.011	.006	
8.0	.144	.084	.044	.124	.073	.038	.085	.051	.027	.050	.030	.016	.016	.010	.005	
9.0	.137	.080	.040	.118	.069	.035	.082	.049	.025	.048	.029	.015	.015	.009	.005	
10.0	.132	.075	.038	.114	.065	.033	.079	.046	.023	.046	.027	.014	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:WFW  
 Test Date:2023-02-23

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:0.4824A P:5.789W PF:1.000 Lamp Flux:29.5406x1 lm											
NAME: SF15-12V-5050-60-W12-SPI4-3000K-R					TYPE:硅胶			WEIGHT:			
DIM.: 21MM*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	4.1	5.6	4.4	5.8	6.1	4.5	6.0	4.8	6.2	6.5	
	3H	5.5	6.9	5.8	7.1	7.4	6.0	7.4	6.3	7.7	7.9
	4H	6.0	7.3	6.3	7.6	7.9	6.6	7.9	6.9	8.2	8.5
	6H	6.3	7.5	6.7	7.8	8.1	7.0	8.2	7.4	8.5	8.9
	8H	6.3	7.5	6.7	7.8	8.2	7.1	8.3	7.5	8.6	8.9
	12H	6.4	7.5	6.7	7.8	8.2	7.2	8.3	7.5	8.6	9.0
4H	2H	4.7	6.0	5.1	6.3	6.6	5.1	6.4	5.4	6.6	6.9
	3H	6.3	7.4	6.7	7.7	8.1	6.7	7.9	7.1	8.2	8.5
	4H	6.9	7.9	7.3	8.3	8.6	7.4	8.5	7.8	8.8	9.2
	6H	7.3	8.2	7.7	8.6	9.0	8.0	8.9	8.4	9.3	9.7
	8H	7.4	8.2	7.8	8.6	9.1	8.1	9.0	8.5	9.4	9.8
	12H	7.4	8.2	7.9	8.6	9.1	8.2	9.0	8.6	9.4	9.8
8H	4H	7.1	8.0	7.6	8.4	8.8	7.6	8.5	8.1	8.9	9.3
	6H	7.6	8.3	8.1	8.8	9.2	8.3	9.0	8.7	9.4	9.9
	8H	7.8	8.4	8.3	8.9	9.3	8.5	9.1	9.0	9.6	10.1
	12H	7.9	8.4	8.4	8.9	9.4	8.6	9.2	9.1	9.7	10.2
12H	4H	7.1	7.9	7.6	8.3	8.8	7.6	8.4	8.1	8.8	9.3
	6H	7.7	8.3	8.2	8.8	9.2	8.3	8.9	8.8	9.4	9.9
	8H	7.8	8.4	8.3	8.9	9.4	8.5	9.1	9.0	9.6	10.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117 Corrected 29.54 lm Total Lamp Luminous Flux. (8log(F/F0) = -12.2)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:WFW  
 Test Date:2023-02-23

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:0.4824A P:5.789W PF:1.000 Lamp Flux:29.5406x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-R	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

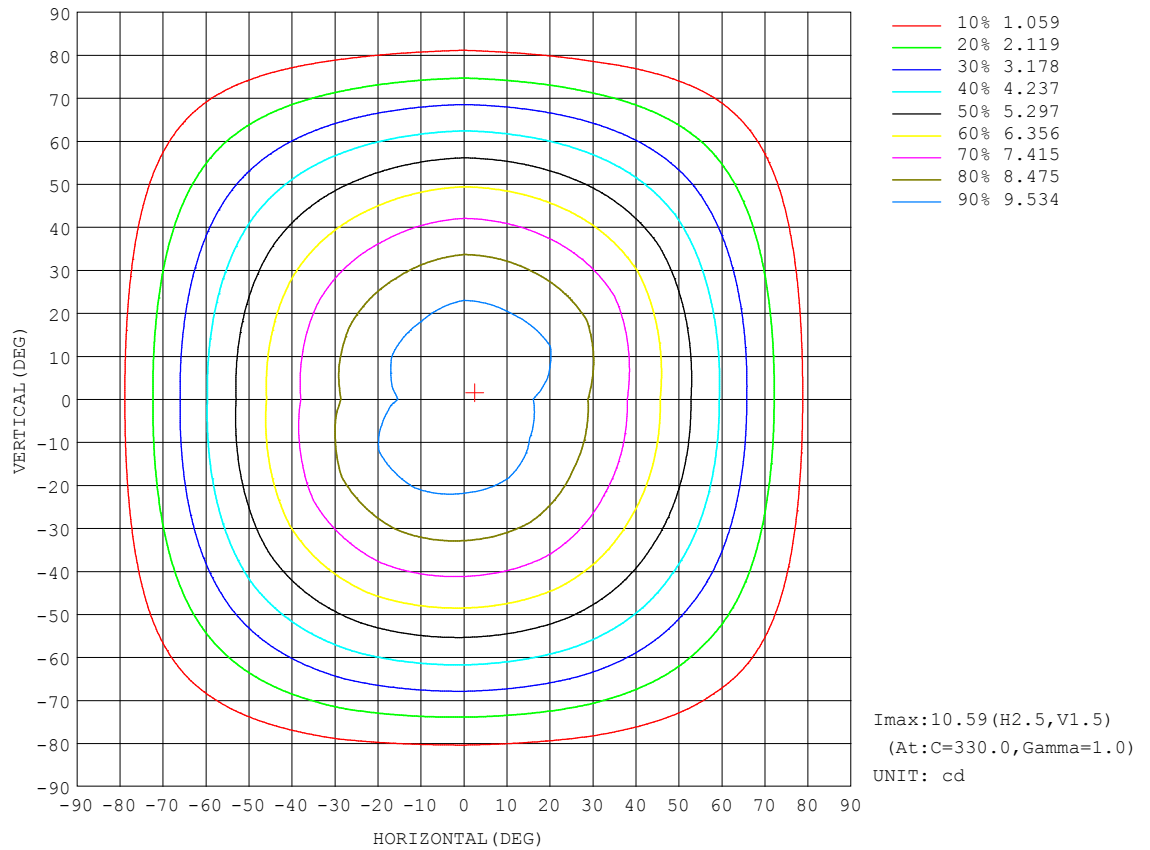
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT)    k(RI) x RCR = 5									
k = 0.60	57	46	39	56	45	39	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	72	65	81	72	65	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	92	86	82	73
3.00	102	95	90	100	93	88	95	90	86	77
4.00	106	100	96	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	97	94	85
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:2023-02-23

$\gamma$  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:0.4824A P:5.789W PF:1.000 Lamp Flux:29.5406x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-R	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

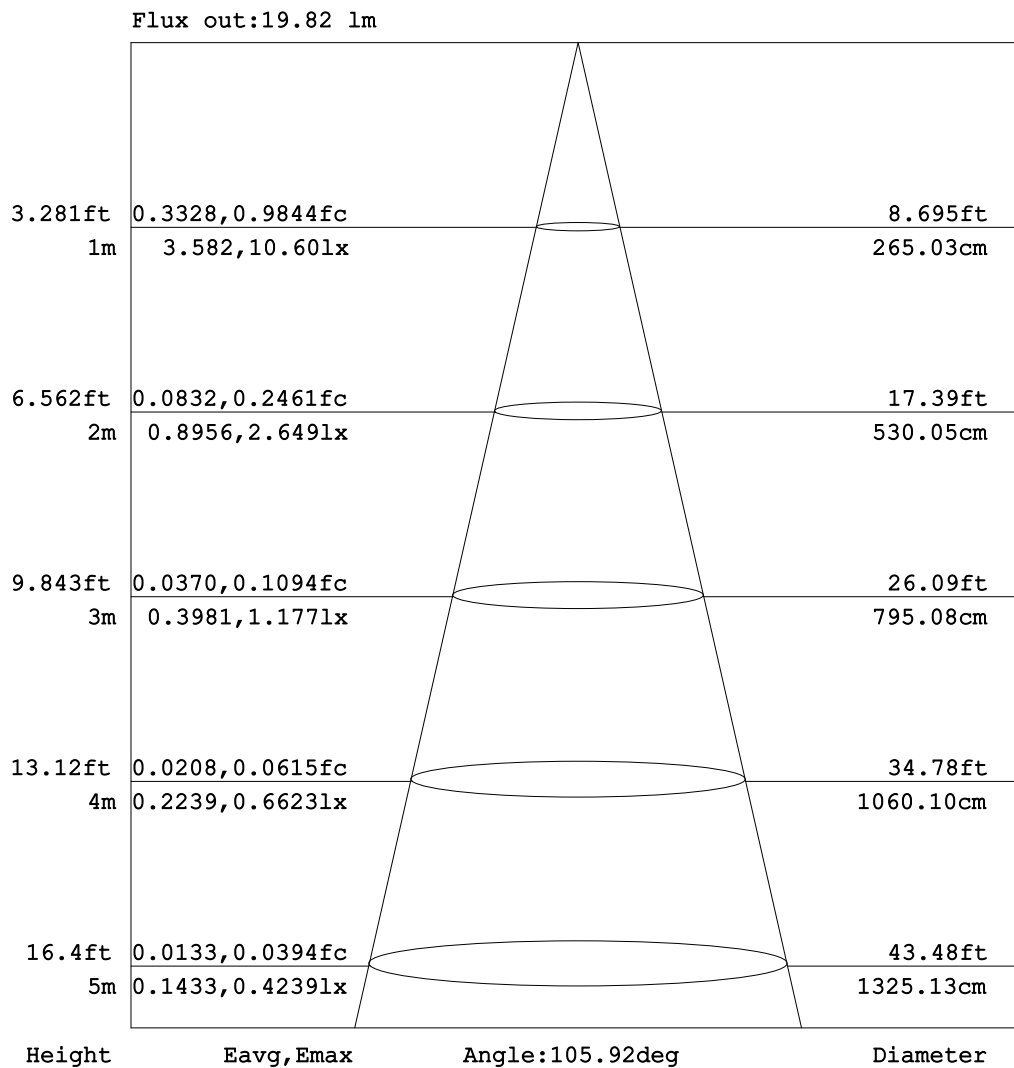


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

$\gamma$  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:0.4824A P:5.789W PF:1.000 Lamp Flux:29.5406x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-R	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*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.

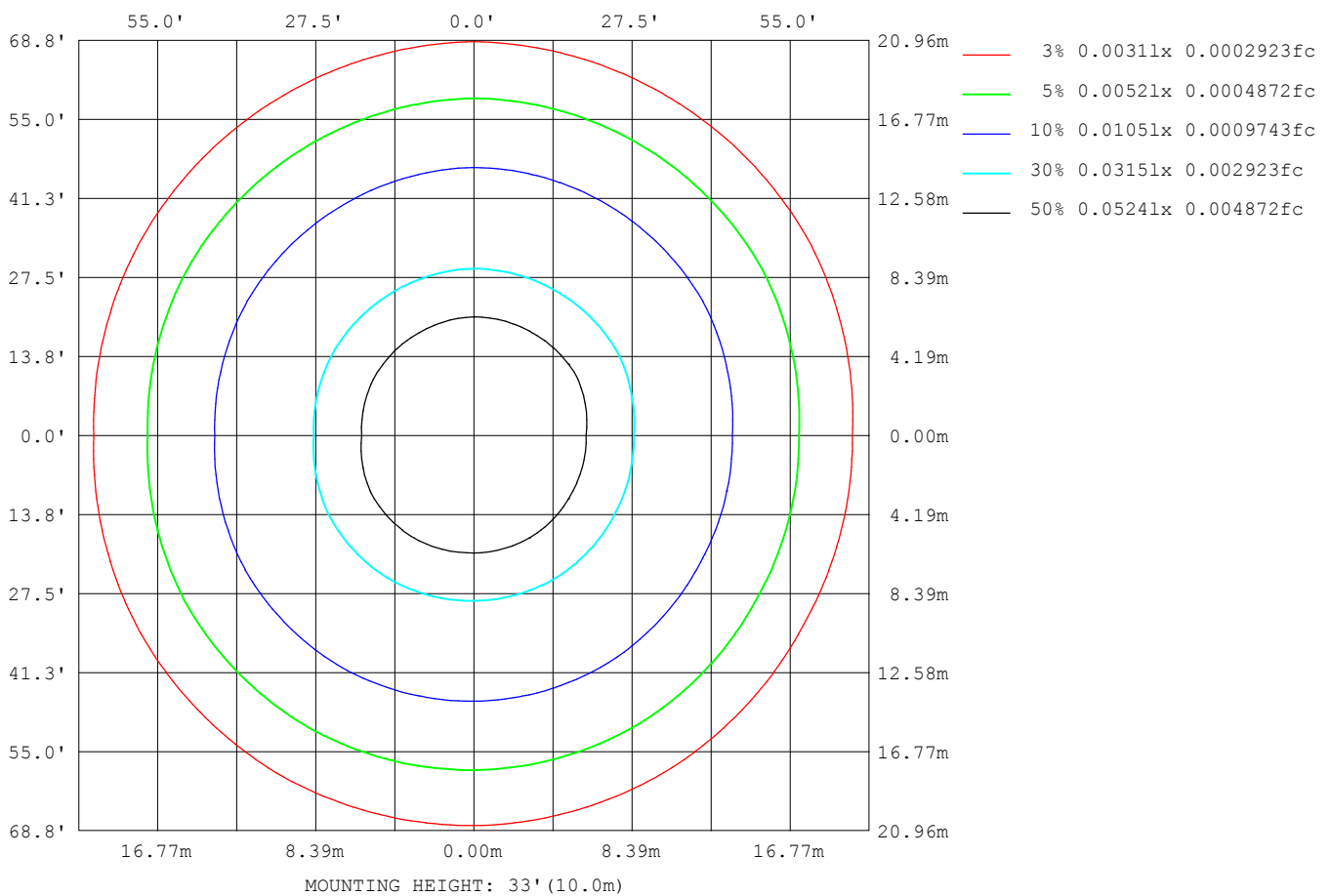
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-02-23

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

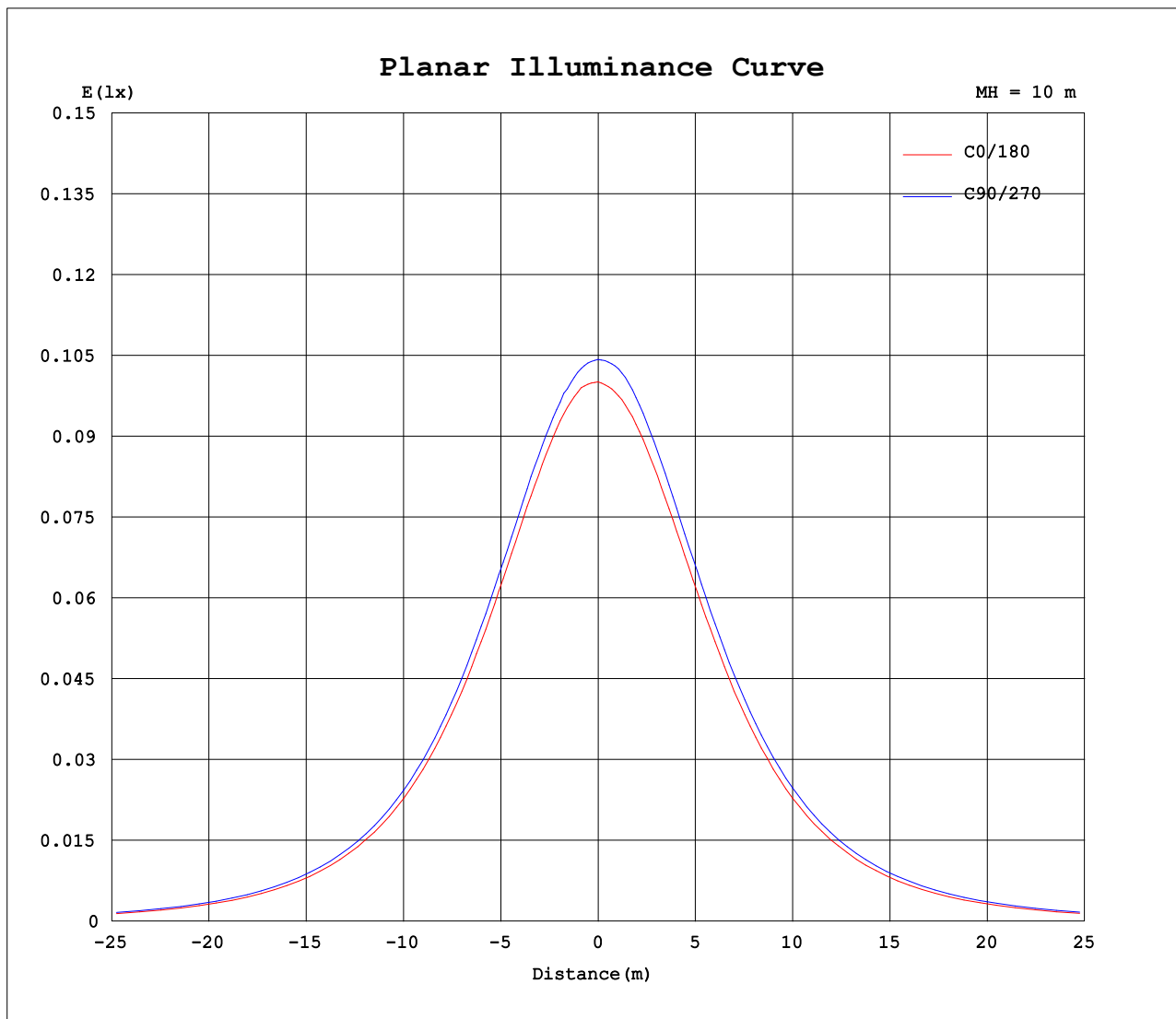
Test:U:12.00V I:0.4824A P:5.789W PF:1.000 Lamp Flux:29.5406x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-R	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

$\gamma$  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: 2023-02-23

$\gamma$  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:0.4824A P:5.789W PF:1.000 Lamp Flux:29.5406x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-R	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*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	10.0	10.2	10.3	10.4	10.5	10.6	10.0	10.2	10.3	10.4	10.5	10.6						
5	10.0	10.1	10.3	10.4	10.5	10.5	9.93	10.2	10.3	10.4	10.5	10.6						
10	9.86	9.96	10.2	10.3	10.4	10.4	9.81	10.1	10.1	10.3	10.3	10.4						
15	9.61	9.73	9.95	10.0	10.1	10.1	9.56	9.82	9.92	10.1	10.1	10.2						
20	9.28	9.38	9.62	9.67	9.81	9.77	9.23	9.50	9.57	9.76	9.75	9.84						
25	8.85	8.97	9.22	9.26	9.40	9.35	8.83	9.09	9.18	9.35	9.35	9.40						
30	8.35	8.46	8.72	8.79	8.91	8.85	8.37	8.60	8.69	8.88	8.84	8.89						
35	7.77	7.89	8.15	8.22	8.34	8.25	7.76	8.03	8.12	8.32	8.27	8.29						
40	7.14	7.25	7.50	7.57	7.68	7.59	7.15	7.40	7.50	7.69	7.64	7.64						
45	6.45	6.56	6.80	6.88	6.99	6.90	6.47	6.73	6.81	7.00	6.93	6.91						
50	5.73	5.80	6.05	6.13	6.22	6.13	5.75	5.99	6.08	6.26	6.18	6.13						
55	4.95	5.02	5.27	5.36	5.43	5.33	4.99	5.22	5.31	5.48	5.39	5.33						
60	4.14	4.20	4.44	4.54	4.59	4.48	4.18	4.39	4.49	4.64	4.55	4.45						
65	3.31	3.36	3.58	3.68	3.71	3.59	3.35	3.54	3.66	3.80	3.68	3.58						
70	2.45	2.50	2.70	2.81	2.83	2.69	2.51	2.67	2.80	2.93	2.80	2.69						
75	1.65	1.67	1.86	1.96	1.96	1.83	1.68	1.84	1.94	2.06	1.91	1.82						
80	0.89	0.88	1.04	1.13	1.12	0.96	0.89	1.02	1.11	1.23	1.07	1.01						
85	0.33	0.27	0.39	0.44	0.43	0.31	0.27	0.37	0.39	0.52	0.37	0.35						
90	0.09	0.08	0.15	0.18	0.17	0.08	0.00	0.09	0.08	0.17	0.08	0.08						
95	0.06	0.08	0.12	0.17	0.15	0.08	0.00	0.03	0.08	0.15	0.08	0.04						
100	0.06	0.08	0.11	0.17	0.14	0.08	0.00	0.03	0.08	0.15	0.08	0.04						
105	0.04	0.08	0.11	0.17	0.14	0.08	0.00	0.03	0.08	0.15	0.08	0.03						
110	0.04	0.08	0.11	0.11	0.14	0.10	0.01	0.03	0.08	0.14	0.09	0.03						
115	0.04	0.08	0.11	0.11	0.14	0.10	0.03	0.03	0.08	0.14	0.11	0.03						
120	0.04	0.09	0.11	0.11	0.14	0.10	0.03	0.03	0.08	0.12	0.11	0.03						
125	0.06	0.09	0.11	0.11	0.14	0.10	0.05	0.03	0.09	0.12	0.11	0.03						
130	0.06	0.09	0.11	0.11	0.14	0.12	0.06	0.04	0.09	0.12	0.11	0.04						
135	0.06	0.09	0.11	0.11	0.14	0.12	0.07	0.06	0.09	0.12	0.11	0.07						
140	0.06	0.09	0.11	0.11	0.14	0.12	0.08	0.07	0.09	0.12	0.11	0.08						
145	0.06	0.09	0.11	0.11	0.14	0.12	0.08	0.07	0.09	0.12	0.11	0.08						
150	0.06	0.09	0.11	0.11	0.13	0.12	0.08	0.07	0.09	0.11	0.11	0.08						
155	0.06	0.09	0.11	0.11	0.13	0.12	0.08	0.07	0.09	0.11	0.11	0.08						
160	0.06	0.09	0.11	0.11	0.13	0.12	0.08	0.07	0.09	0.11	0.11	0.08						
165	0.06	0.09	0.11	0.11	0.13	0.12	0.08	0.07	0.09	0.11	0.11	0.08						
170	0.08	0.09	0.11	0.11	0.12	0.12	0.08	0.08	0.09	0.11	0.11	0.08						
175	0.08	0.09	0.11	0.11	0.12	0.12	0.08	0.08	0.09	0.11	0.11	0.08						
180	0.08	0.08	0.11	0.11	0.12	0.12	0.08	0.08	0.09	0.11	0.11	0.08						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

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	10.01	10.17	10.33	10.43	10.51	10.60	10.01	10.17	10.33	10.43
3.0	10.01	10.15	10.33	10.40	10.51	10.58	9.966	10.17	10.30	10.42
6.0	9.981	10.10	10.31	10.35	10.51	10.50	9.911	10.17	10.25	10.42
9.0	9.897	10.03	10.22	10.26	10.42	10.40	9.828	10.10	10.17	10.35
12.0	9.766	9.883	10.10	10.15	10.30	10.28	9.710	9.974	10.04	10.24
15.0	9.614	9.730	9.953	10.01	10.14	10.12	9.557	9.821	9.924	10.08
18.0	9.413	9.516	9.759	9.827	9.960	9.931	9.363	9.634	9.702	9.905
21.0	9.198	9.294	9.531	9.599	9.745	9.716	9.162	9.413	9.495	9.690
24.0	8.956	9.058	9.288	9.356	9.489	9.467	8.913	9.184	9.245	9.434
27.0	8.665	8.774	9.026	9.100	9.226	9.169	8.635	8.894	8.996	9.185
30.0	8.347	8.463	8.721	8.788	8.915	8.850	8.365	8.596	8.691	8.880
33.0	8.015	8.123	8.375	8.462	8.575	8.511	8.012	8.270	8.358	8.547
36.0	7.647	7.763	8.008	8.081	8.215	8.123	7.652	7.917	8.005	8.201
39.0	7.274	7.382	7.627	7.714	7.828	7.742	7.277	7.537	7.631	7.820
42.0	6.872	6.973	7.225	7.306	7.412	7.313	6.883	7.135	7.250	7.419
45.0	6.450	6.557	6.796	6.876	6.990	6.904	6.467	6.726	6.813	7.003
48.0	6.020	6.114	6.359	6.446	6.533	6.426	6.045	6.283	6.384	6.560
51.0	5.570	5.643	5.896	5.976	6.062	5.975	5.636	5.826	5.934	6.103
54.0	5.106	5.179	5.432	5.519	5.591	5.484	5.144	5.376	5.470	5.646
57.0	4.628	4.701	4.940	5.041	5.092	5.006	4.666	4.898	5.005	5.154
60.0	4.136	4.196	4.441	4.542	4.587	4.479	4.181	4.392	4.493	4.642
63.0	3.638	3.697	3.929	4.029	4.068	3.932	3.689	3.901	4.015	4.136
66.0	3.139	3.185	3.409	3.510	3.534	3.413	3.177	3.361	3.475	3.610
69.0	2.634	2.665	2.883	2.984	3.008	2.866	2.685	2.855	2.976	3.097
72.0	2.142	2.152	2.357	2.478	2.475	2.325	2.166	2.349	2.443	2.571
75.0	1.650	1.668	1.858	1.959	1.962	1.827	1.681	1.837	1.938	2.058
78.0	1.172	1.176	1.346	1.467	1.449	1.294	1.190	1.345	1.432	1.560
81.0	0.7494	0.7261	0.8881	0.9614	0.9644	0.8090	0.7395	0.8806	0.9540	1.075
84.0	0.4098	0.3730	0.4932	0.5530	0.5419	0.4077	0.3659	0.4722	0.5179	0.6454
87.0	0.2015	0.1656	0.2294	0.2489	0.2710	0.1727	0.1171	0.2153	0.1934	0.3195
90.0	0.0903	0.0762	0.1455	0.1801	0.1734	0.0762	0	0.0903	0.0762	0.1665
93.0	0.0625	0.0762	0.1316	0.1801	0.1593	0.0762	0	0.0485	0.0762	0.1593
96.0	0.0623	0.0762	0.1178	0.1731	0.1524	0.0762	0	0.0277	0.0762	0.1524
99.0	0.0623	0.0762	0.1108	0.1731	0.1386	0.0762	0	0.0277	0.0762	0.1455
102.0	0.0623	0.0762	0.1108	0.1731	0.1385	0.0831	0	0.0277	0.0762	0.1454
105.0	0.0416	0.0762	0.1108	0.1729	0.1385	0.0831	0	0.0277	0.0762	0.1454
108.0	0.0416	0.0762	0.1108	0.1522	0.1385	0.0831	0	0.0277	0.0762	0.1385
111.0	0.0416	0.0831	0.1108	0.1108	0.1385	0.0900	0.0208	0.0277	0.0762	0.1385
114.0	0.0416	0.0831	0.1108	0.1108	0.1385	0.1038	0.0277	0.0277	0.0762	0.1385
117.0	0.0416	0.0831	0.1108	0.1108	0.1385	0.0970	0.0279	0.0277	0.0762	0.1385
120.0	0.0416	0.0900	0.1108	0.1108	0.1385	0.0970	0.0347	0.0277	0.0763	0.1247
123.0	0.0624	0.0900	0.1108	0.1108	0.1385	0.1039	0.0416	0.0277	0.0900	0.1247
126.0	0.0623	0.0900	0.1108	0.1108	0.1385	0.1039	0.0486	0.0346	0.0900	0.1247
129.0	0.0623	0.0900	0.1108	0.1108	0.1385	0.1040	0.0554	0.0415	0.0900	0.1247
132.0	0.0623	0.0900	0.1108	0.1108	0.1385	0.1177	0.0555	0.0485	0.0900	0.1247
135.0	0.0623	0.0900	0.1108	0.1108	0.1385	0.1177	0.0693	0.0554	0.0900	0.1247
138.0	0.0623	0.0900	0.1108	0.1108	0.1385	0.1177	0.0762	0.0692	0.0900	0.1247
141.0	0.0623	0.0900	0.1108	0.1108	0.1385	0.1177	0.0899	0.0693	0.0900	0.1247
144.0	0.0623	0.0900	0.1108	0.1108	0.1385	0.1177	0.0831	0.0693	0.0900	0.1247
147.0	0.0623	0.0900	0.1108	0.1108	0.1385	0.1177	0.0831	0.0693	0.0900	0.1247
150.0	0.0623	0.0900	0.1108	0.1108	0.1317	0.1177	0.0831	0.0693	0.0900	0.1108
153.0	0.0623	0.0900	0.1108	0.1108	0.1316	0.1177	0.0831	0.0693	0.0900	0.1108
156.0	0.0623	0.0900	0.1108	0.1108	0.1316	0.1177	0.0831	0.0693	0.0900	0.1108
159.0	0.0623	0.0900	0.1108	0.1108	0.1316	0.1177	0.0831	0.0693	0.0900	0.1108
162.0	0.0623	0.0900	0.1108	0.1108	0.1316	0.1177	0.0831	0.0693	0.0900	0.1108
165.0	0.0623	0.0900	0.1108	0.1108	0.1316	0.1177	0.0831	0.0693	0.0900	0.1108
168.0	0.0762	0.0900	0.1108	0.1108	0.1247	0.1177	0.0831	0.0830	0.0900	0.1108
171.0	0.0762	0.0900	0.1108	0.1108	0.1247	0.1177	0.0831	0.0762	0.0900	0.1108
174.0	0.0762	0.0900	0.1108	0.1108	0.1247	0.1177	0.0830	0.0762	0.0900	0.1108
177.0	0.0762	0.0900	0.1108	0.1108	0.1247	0.1177	0.0762	0.0762	0.0900	0.1108
180.0	0.0762	0.0762	0.1108	0.1108	0.1177	0.1177	0.0762	0.0762	0.0900	0.1108
G/C	300.0	330.0								
0.0	10.51	10.60								
3.0	10.49	10.60								
6.0	10.46	10.58								
9.0	10.35	10.49								
12.0	10.24	10.35								
15.0	10.08	10.19								
18.0	9.910	9.981								
21.0	9.675	9.752								
24.0	9.425	9.482								
27.0	9.155	9.219								
30.0	8.843	8.887								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: WFW  
 Test Date: 2023-02-23

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:

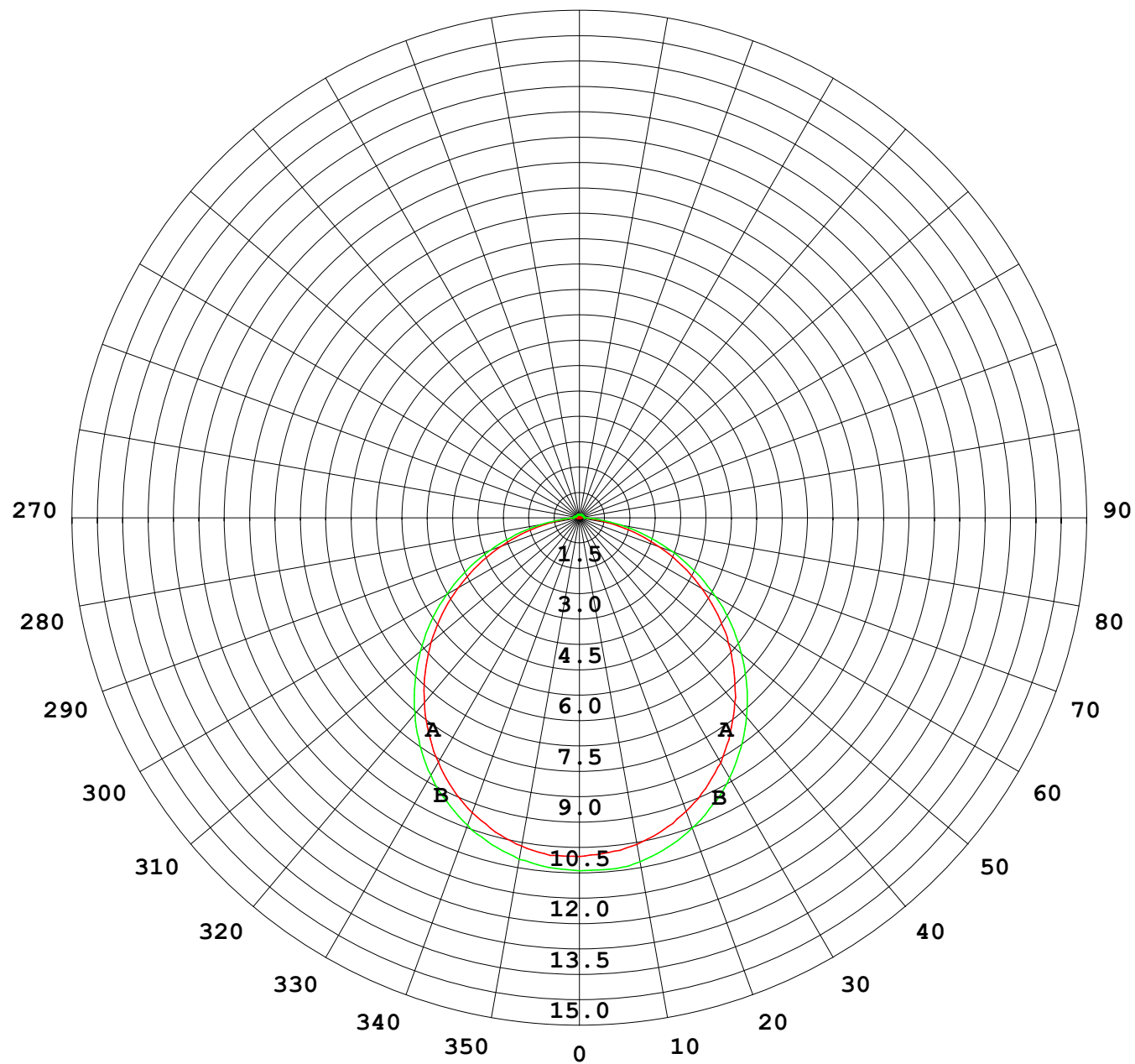
## Photometric Data Table [cd]

33.0	8.511	8.541
36.0	8.150	8.167
39.0	7.769	7.772
42.0	7.361	7.343
45.0	6.931	6.906
48.0	6.481	6.449
51.0	6.024	5.972
54.0	5.601	5.494
57.0	5.054	4.988
60.0	4.548	4.455
63.0	4.036	3.942
66.0	3.496	3.416
69.0	2.976	2.876
72.0	2.429	2.343
75.0	1.910	1.823
78.0	1.397	1.310
81.0	0.9193	0.8530
84.0	0.4902	0.4444
87.0	0.1794	0.1945
90.0	0.0831	0.0833
93.0	0.0831	0.0485
96.0	0.0831	0.0416
99.0	0.0831	0.0416
102.0	0.0831	0.0416
105.0	0.0831	0.0347
108.0	0.0831	0.0346
111.0	0.1039	0.0346
114.0	0.1108	0.0346
117.0	0.1108	0.0346
120.0	0.1108	0.0346
123.0	0.1108	0.0346
126.0	0.1108	0.0346
129.0	0.1108	0.0416
132.0	0.1108	0.0484
135.0	0.1108	0.0692
138.0	0.1108	0.0761
141.0	0.1108	0.0831
144.0	0.1108	0.0831
147.0	0.1108	0.0831
150.0	0.1108	0.0831
153.0	0.1108	0.0831
156.0	0.1108	0.0831
159.0	0.1108	0.0831
162.0	0.1108	0.0831
165.0	0.1108	0.0831
168.0	0.1108	0.0831
171.0	0.1108	0.0831
174.0	0.1108	0.0831
177.0	0.1108	0.0831
180.0	0.1108	0.0831

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

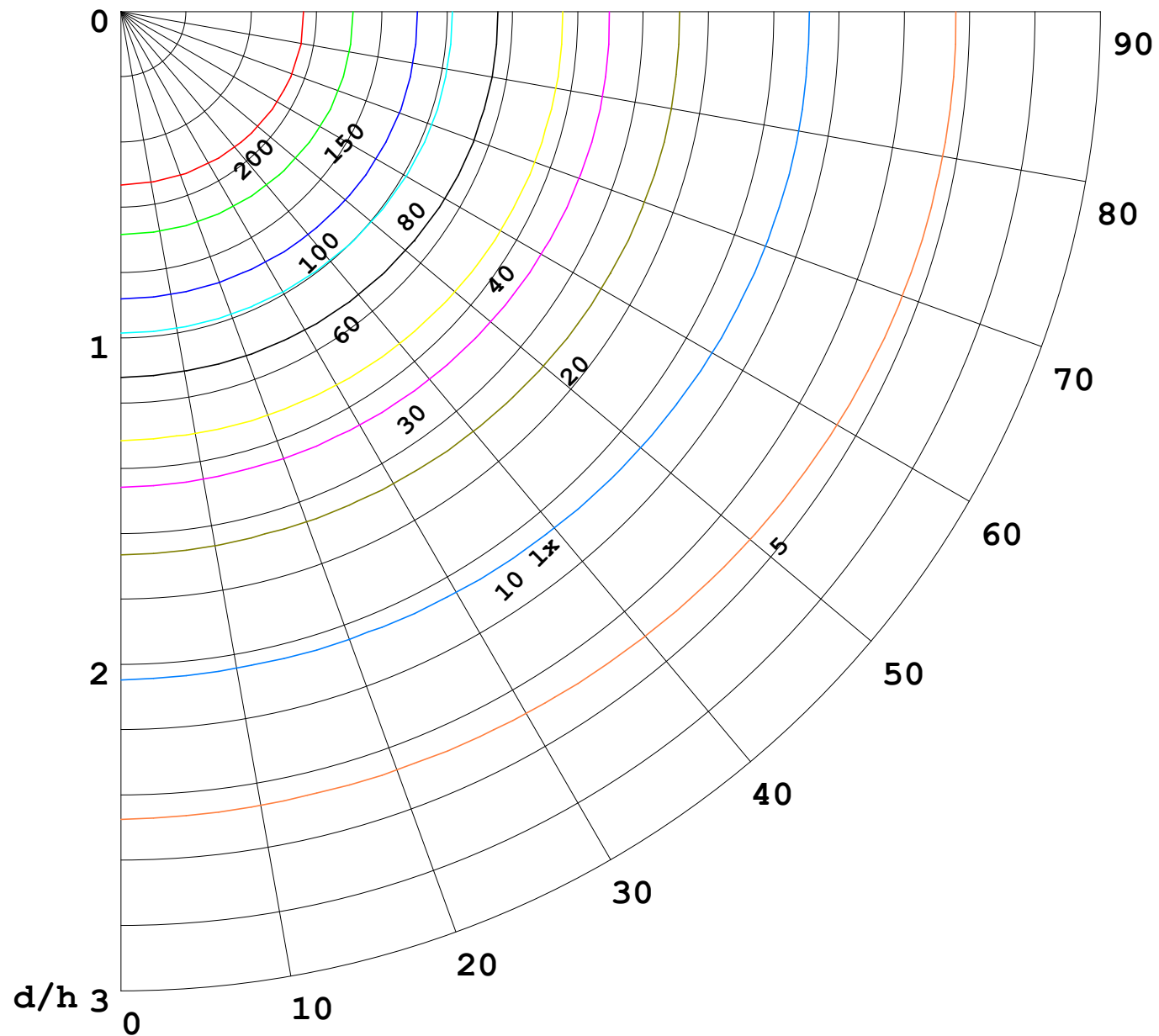
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

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

