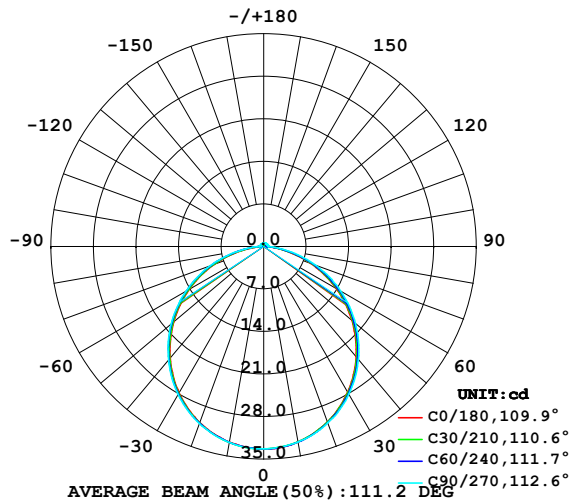


LUMINAIRE PHOTOMETRIC TEST REPORT

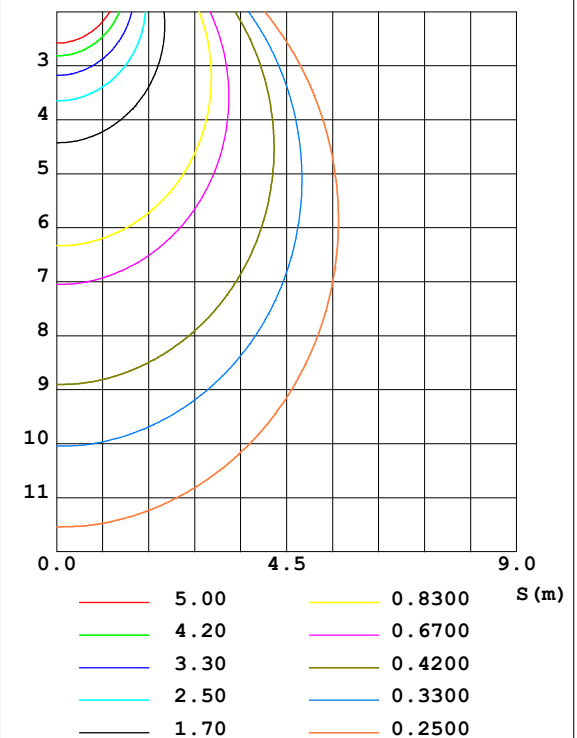
Test:U:12.00V I:0.4832A P:5.798W PF:1.000 Lamp Flux:96.654x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 16.68 lm/W			
MODEL	5050	I _{max} (cd)	33.31	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)	96.696	η UP, DN (C0-180)	1.7, 48.2
NOMINAL FLUX (lm)	96.654	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.4, 48.7
LAMPS INSIDE	1	η up (%)	3.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	12.0	η down (%)	97.0	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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	32.66	32.66	32.67	32.67	32.68	32.73	32.76	32.67	0- 10	3.150	3.150	3.26,3.26
20	30.70	30.80	30.92	30.87	30.81	30.90	31.00	30.81	10- 20	9.004	12.15	12.6,12.6
30	27.67	27.83	28.07	27.96	27.85	28.01	28.14	27.90	20- 30	13.60	25.75	26.6,26.6
40	23.67	23.94	24.25	24.10	23.96	24.19	24.40	24.04	30- 40	16.33	42.08	43.5,43.5
50	18.98	19.31	19.74	19.54	19.35	19.63	19.88	19.44	40- 50	16.85	58.93	60.9,61
60	13.75	14.13	14.64	14.39	14.16	14.51	14.78	14.27	50- 60	15.16	74.09	76.6,76.7
70	8.248	8.602	9.165	8.862	8.671	9.027	9.354	8.774	60- 70	11.47	85.56	88.5,88.5
80	3.025	3.263	3.743	3.446	3.229	3.615	3.986	3.420	70- 80	6.426	91.99	95.1,95.2
90	0.4440	0.4995	0.7572	0.5369	0.2349	0.4814	0.7477	0.4396	80- 90	1.729	93.72	96.9,97
100	0.3410	0.4555	0.7040	0.4920	0.1662	0.3826	0.6165	0.3914	90-100	0.4968	94.22	97.4,97.5
110	0.3463	0.4605	0.6534	0.5088	0.2148	0.3888	0.6014	0.3879	100-110	0.4648	94.68	97.9,98
120	0.3515	0.4772	0.6281	0.5390	0.2633	0.4063	0.5803	0.3954	110-120	0.4443	95.13	98.4,98.4
130	0.3985	0.4883	0.6206	0.5551	0.3395	0.4435	0.5679	0.4180	120-130	0.4170	95.54	98.8,98.8
140	0.4345	0.5068	0.6131	0.5693	0.4155	0.4656	0.5679	0.4664	130-140	0.3805	95.92	99.2,99.2
150	0.4778	0.5318	0.5679	0.5679	0.4710	0.4848	0.5679	0.4839	140-150	0.3217	96.24	99.5,99.6
160	0.5010	0.5412	0.5537	0.5725	0.5333	0.5259	0.5679	0.5221	150-160	0.2453	96.49	99.8,99.8
170	0.5268	0.5435	0.5458	0.5720	0.5373	0.5306	0.5679	0.5337	160-170	0.1536	96.64	99.9,100
180	0.5471	0.5437	0.5402	0.5714	0.5402	0.5368	0.5679	0.5506	170-180	0.0522	96.70	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	138	182
80	174	216
75	214	247
70	241	268
65	261	283
60	275	293
55	286	300
50	295	307
45	303	313

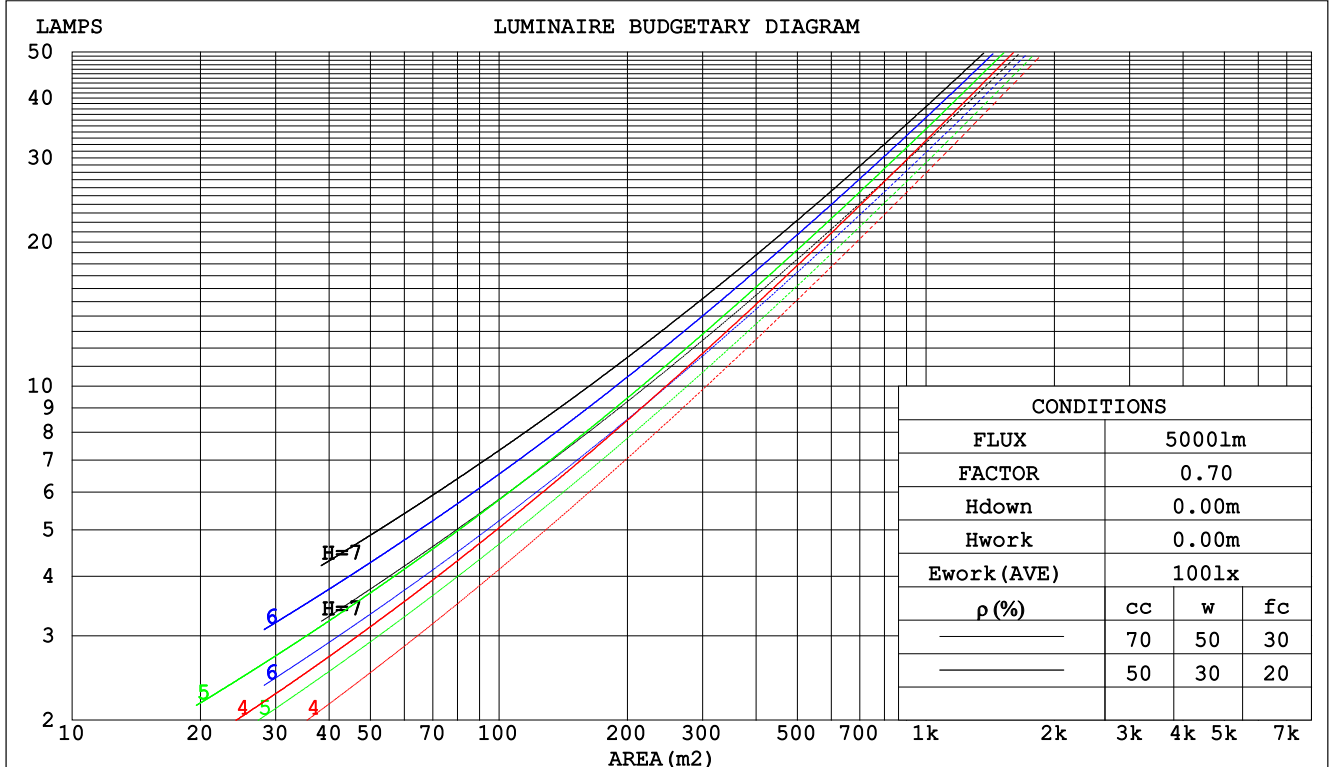
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-02-23

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.00V I:0.4832A P:5.798W PF:1.000 Lamp Flux:96.654x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.87	.85	.83	.81
2.0	.90	.83	.78	.88	.82	.76	.84	.79	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.71	.64	.77	.70	.64	.74	.67	.62	.71	.65	.61	.68	.63	.59	.57
4.0	.70	.61	.55	.68	.60	.54	.66	.58	.53	.63	.57	.52	.60	.55	.51	.49
5.0	.62	.54	.47	.61	.53	.46	.59	.51	.46	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.41	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.36	.30	.26	.35	.29	.25	.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:0.4832A P:5.798W PF:1.000 Lamp Flux:96.654x1 lm					
NAME: SF15-12V-5050-60-W12-SPI4-3000K-G			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	.307	.174	.055	.299	.170	.054	.284	.163	.052	.270	.156	.050	.257	.149	.048	
2.0	.289	.158	.049	.282	.155	.048	.269	.149	.046	.256	.144	.045	.245	.139	.044	
3.0	.268	.142	.043	.261	.140	.042	.250	.135	.041	.239	.131	.040	.228	.126	.039	
4.0	.247	.128	.038	.242	.126	.037	.231	.123	.037	.221	.119	.036	.212	.115	.035	
5.0	.229	.116	.034	.224	.115	.033	.214	.112	.033	.205	.108	.032	.197	.105	.032	
6.0	.212	.106	.030	.208	.105	.030	.199	.102	.030	.191	.099	.029	.184	.097	.029	
7.0	.197	.098	.028	.193	.096	.027	.186	.094	.027	.179	.092	.027	.172	.089	.026	
8.0	.184	.090	.025	.181	.089	.025	.174	.087	.025	.168	.085	.024	.161	.083	.024	
9.0	.173	.084	.023	.170	.083	.023	.163	.081	.023	.158	.079	.023	.152	.077	.022	
10.0	.163	.078	.022	.160	.077	.022	.154	.075	.021	.149	.074	.021	.144	.072	.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	.214	.214	.214	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.204	.180	.158	.174	.154	.136	.119	.106	.094	.069	.061	.055	.022	.020	.018	
2.0	.196	.156	.122	.168	.134	.106	.115	.093	.074	.066	.054	.043	.021	.017	.014	
3.0	.188	.138	.099	.161	.119	.086	.111	.083	.060	.064	.048	.035	.021	.016	.012	
4.0	.180	.125	.083	.155	.108	.072	.106	.075	.051	.062	.044	.030	.020	.014	.010	
5.0	.173	.115	.072	.149	.099	.062	.102	.069	.044	.059	.041	.026	.019	.013	.009	
6.0	.166	.106	.064	.143	.092	.055	.098	.064	.039	.057	.038	.023	.018	.012	.008	
7.0	.159	.100	.058	.137	.086	.050	.095	.060	.036	.055	.036	.021	.018	.012	.007	
8.0	.153	.094	.053	.132	.081	.046	.091	.057	.033	.053	.034	.020	.017	.011	.006	
9.0	.147	.089	.050	.126	.077	.043	.088	.054	.031	.051	.032	.018	.017	.011	.006	
10.0	.141	.085	.047	.122	.073	.041	.084	.052	.029	.049	.031	.017	.016	.010	.006	

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:0.4832A P:5.798W PF:1.000 Lamp Flux:96.654x1 lm										
NAME: SF15-12V-5050-60-W12-SPI4-3000K-G					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	8.3	9.8	8.6	10.0	10.3	8.5	10.0	8.8	10.2	10.5
3H	9.7	11.1	10.0	11.3	11.6	10.0	11.4	10.4	11.7	12.0
4H	10.2	11.5	10.6	11.8	12.1	10.6	11.9	11.0	12.2	12.5
6H	10.5	11.7	10.9	12.1	12.4	11.0	12.2	11.4	12.6	12.9
8H	10.6	11.8	11.0	12.1	12.5	11.1	12.3	11.5	12.6	13.0
12H	10.6	11.7	11.0	12.1	12.5	11.2	12.3	11.6	12.7	13.0
4H 2H	8.9	10.2	9.2	10.5	10.8	9.1	10.3	9.4	10.7	11.0
3H	10.5	11.6	10.9	12.0	12.3	10.7	11.9	11.1	12.2	12.6
4H	11.1	12.1	11.5	12.5	12.9	11.5	12.5	11.9	12.9	13.3
6H	11.5	12.4	12.0	12.8	13.3	12.0	12.9	12.4	13.3	13.7
8H	11.6	12.5	12.1	12.9	13.4	12.1	13.0	12.6	13.4	13.9
12H	11.7	12.5	12.2	12.9	13.4	12.2	13.0	12.7	13.5	13.9
8H 4H	11.3	12.2	11.8	12.6	13.1	11.7	12.5	12.1	12.9	13.4
6H	11.9	12.6	12.4	13.0	13.5	12.3	13.0	12.8	13.5	14.0
8H	12.1	12.7	12.6	13.2	13.7	12.5	13.2	13.0	13.6	14.2
12H	12.2	12.7	12.7	13.2	13.7	12.7	13.2	13.2	13.7	14.3
12H 4H	11.3	12.1	11.8	12.6	13.0	11.6	12.4	12.1	12.9	13.3
6H	11.9	12.5	12.4	13.0	13.5	12.3	12.9	12.8	13.4	13.9
8H	12.1	12.7	12.6	13.2	13.7	12.6	13.1	13.1	13.6	14.2
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 96.65 lm Total Lamp Luminous Flux. (8log(F/F0) = -8.1)

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:0.4832A P:5.798W PF:1.000 Lamp Flux:96.654x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

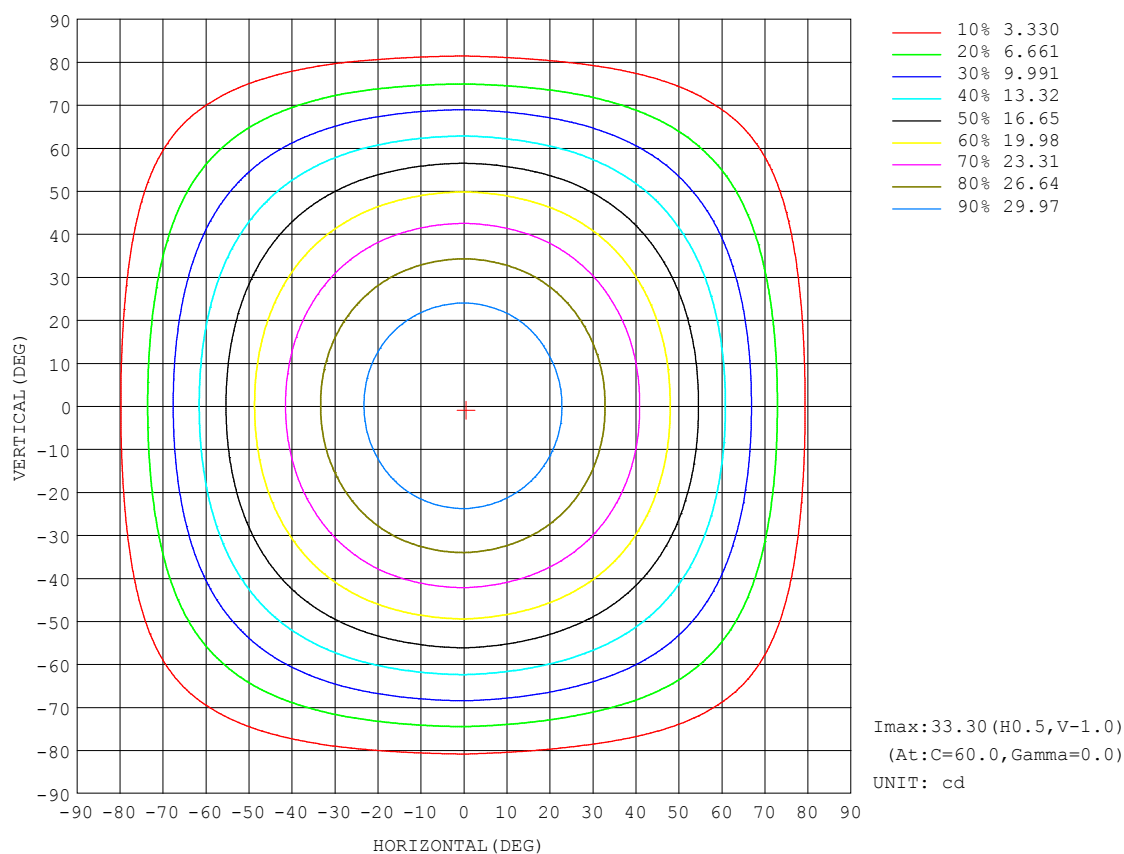
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	71	64	56	48
1.25	82	72	65	81	71	64	78	69	63	55
1.50	87	77	70	85	76	70	82	74	68	60
2.00	94	86	79	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	88	95	89	85	76
4.00	105	100	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	100	97	94	83
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

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:

ISOCANDELA DIAGRAM

Test:U:12.00V I:0.4832A P:5.798W PF:1.000 Lamp Flux:96.654x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

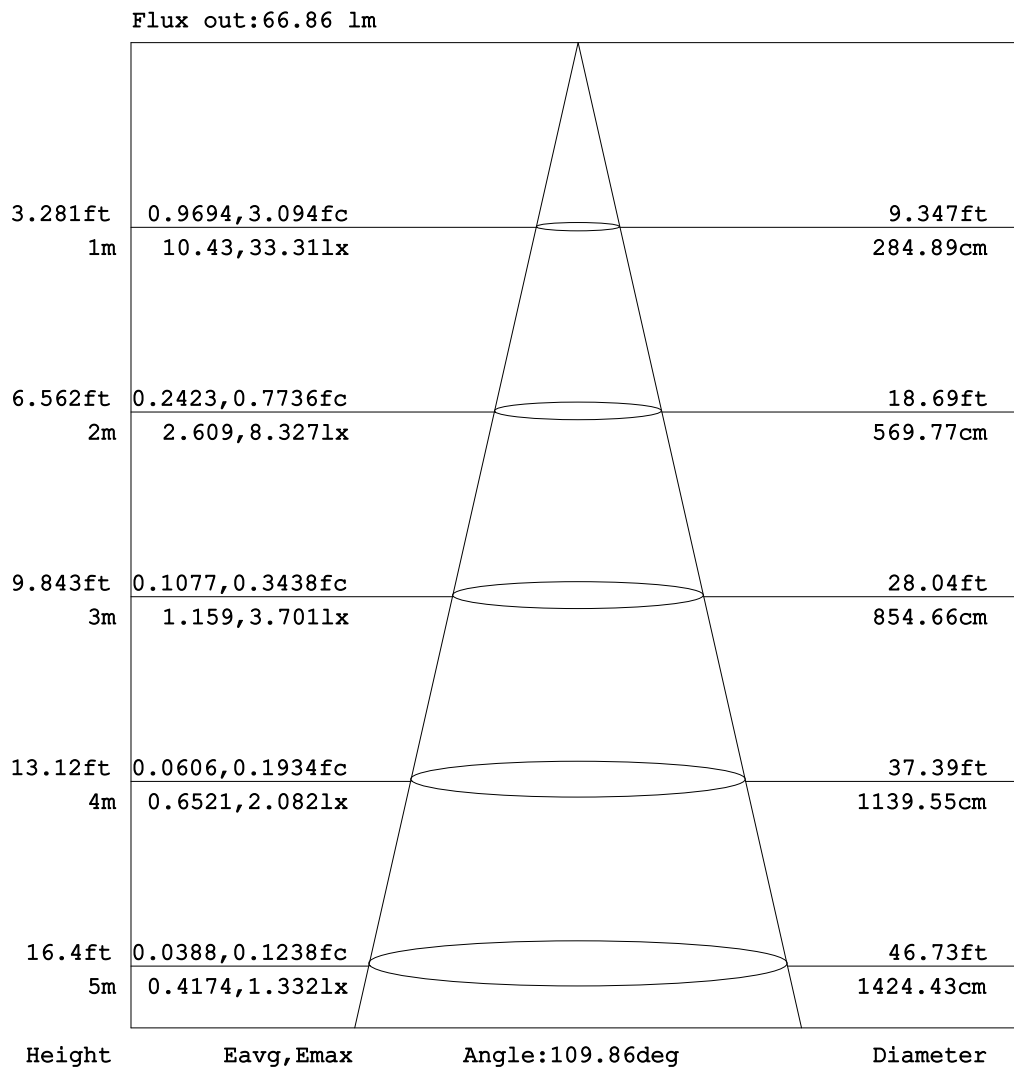


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-02-23

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:

AAI Figure

Test:U:12.00V I:0.4832A P:5.798W PF:1.000 Lamp Flux:96.654x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:



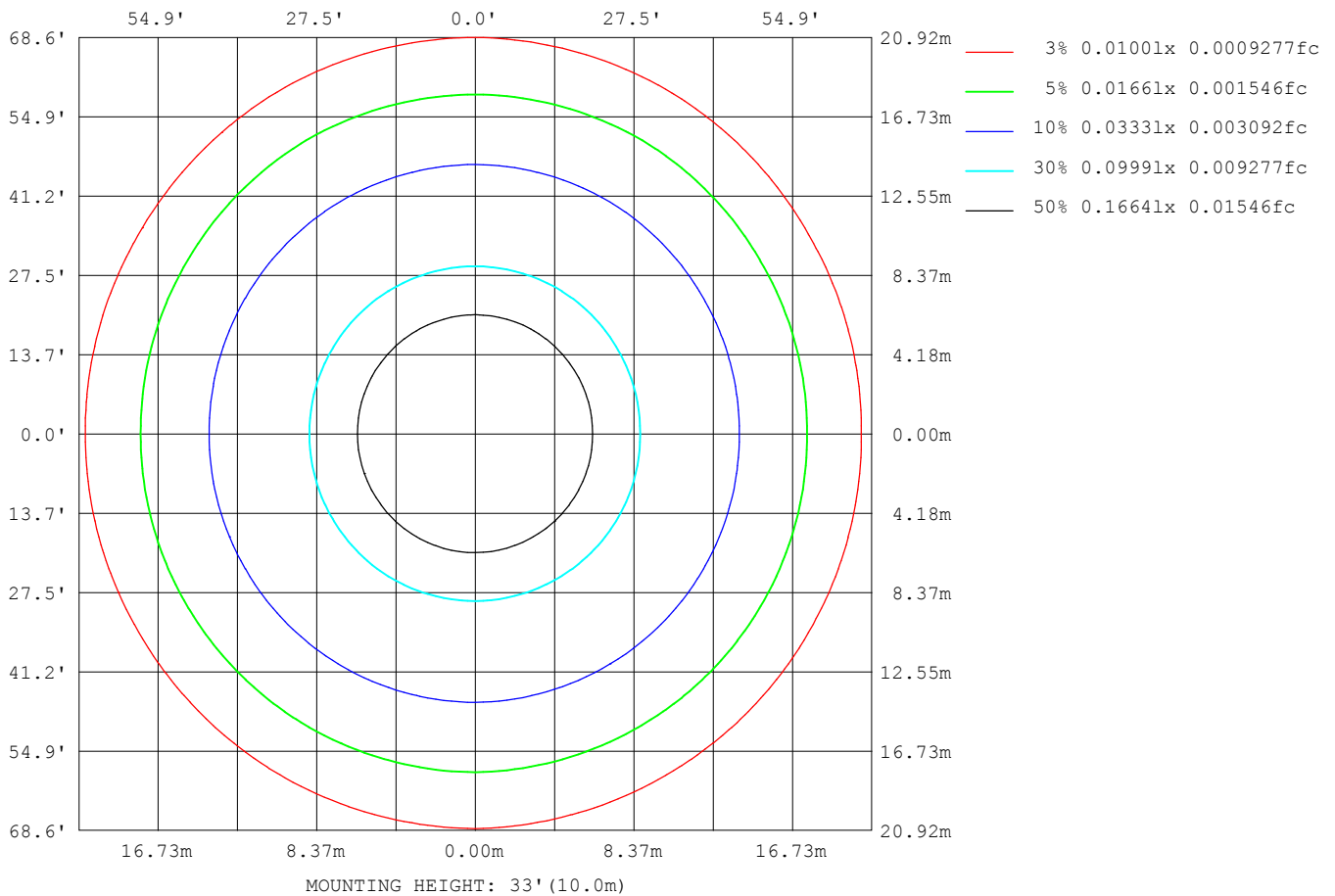
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

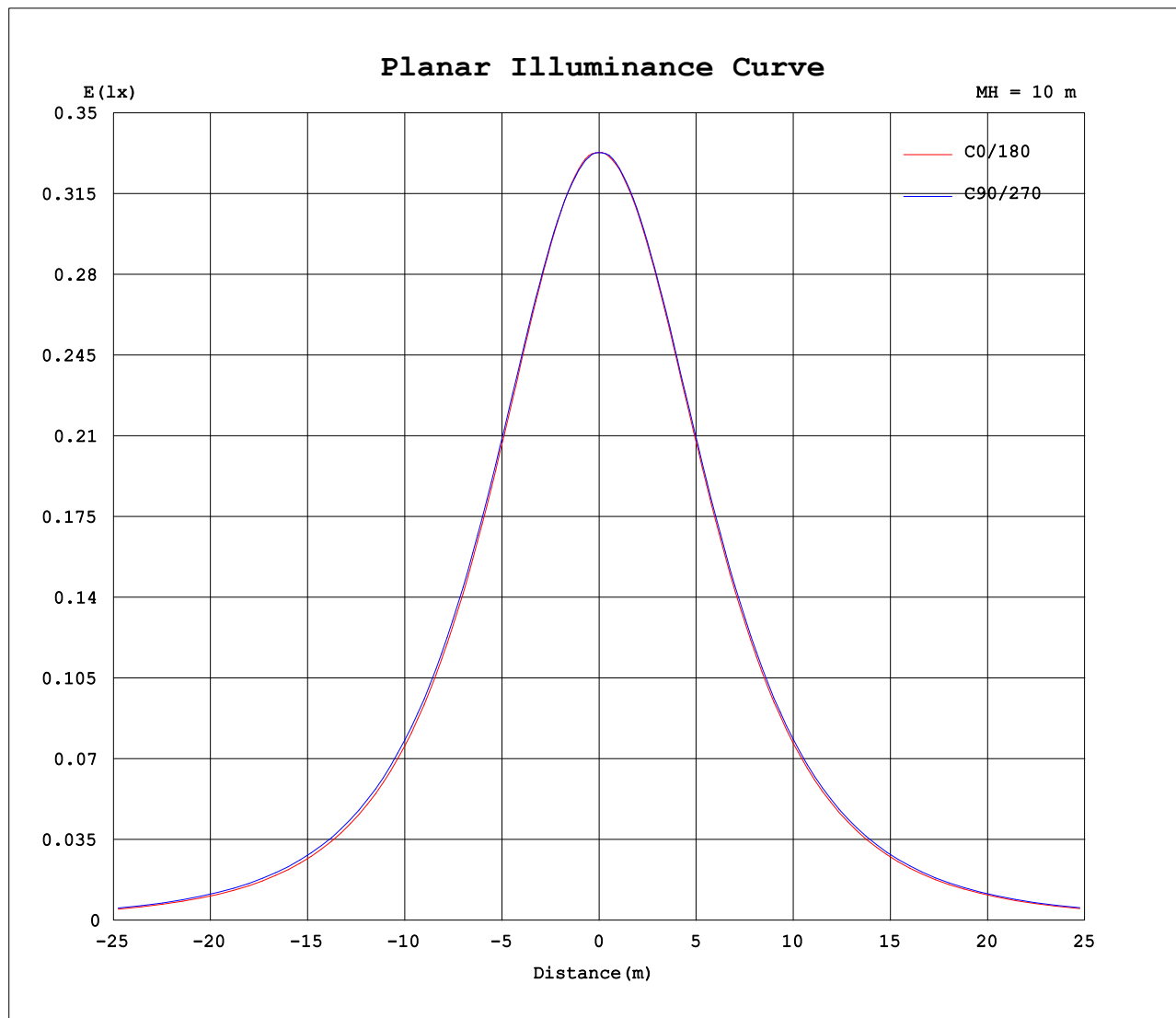
Test:U:12.00V I:0.4832A P:5.798W PF:1.000 Lamp Flux:96.654x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
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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:

Planar Illuminance Curve



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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.00V I:0.4832A P:5.798W PF:1.000 Lamp Flux:96.654x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-G	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	33.3	33.3	33.3	33.3	33.3	33.2	33.3	33.3	33.3	33.3	33.3	33.2							
5	33.2	33.1	33.2	33.1	33.2	33.1	33.2	33.2	33.2	33.2	33.1	33.2							
10	32.7	32.6	32.7	32.7	32.7	32.6	32.7	32.7	32.7	32.7	32.8	32.7							
15	31.8	31.8	31.9	31.9	32.0	31.9	31.9	32.0	32.0	32.0	31.9	31.8							
20	30.7	30.7	30.9	30.9	30.9	30.8	30.8	30.9	30.9	31.0	30.9	30.7							
25	29.3	29.4	29.5	29.6	29.6	29.5	29.5	29.6	29.6	29.7	29.6	29.4							
30	27.7	27.7	27.9	28.1	28.0	27.9	27.8	28.0	28.1	28.1	28.0	27.8							
35	25.8	25.9	26.1	26.3	26.2	26.0	26.0	26.1	26.3	26.4	26.2	25.9							
40	23.7	23.8	24.0	24.3	24.2	24.0	24.0	24.1	24.3	24.4	24.2	23.9							
45	21.4	21.6	21.8	22.1	22.0	21.8	21.7	21.9	22.1	22.2	22.0	21.6							
50	19.0	19.2	19.4	19.7	19.6	19.4	19.4	19.5	19.8	19.9	19.7	19.2							
55	16.4	16.6	16.9	17.2	17.1	16.9	16.8	17.0	17.3	17.4	17.2	16.6							
60	13.8	14.0	14.3	14.6	14.5	14.3	14.2	14.3	14.7	14.8	14.6	14.0							
65	11.0	11.2	11.5	11.9	11.8	11.5	11.4	11.6	12.0	12.1	11.8	11.2							
70	8.25	8.46	8.75	9.16	9.00	8.72	8.67	8.80	9.25	9.35	9.07	8.47							
75	5.53	5.72	5.98	6.39	6.22	5.92	5.85	6.02	6.48	6.61	6.29	5.73							
80	3.02	3.14	3.39	3.74	3.60	3.29	3.23	3.39	3.84	3.99	3.67	3.17							
85	1.20	1.21	1.32	1.59	1.46	1.26	1.19	1.31	1.59	1.80	1.47	1.21							
90	0.44	0.45	0.55	0.76	0.65	0.42	0.23	0.42	0.55	0.75	0.51	0.37							
95	0.35	0.42	0.52	0.73	0.61	0.40	0.14	0.27	0.48	0.64	0.51	0.28							
100	0.34	0.40	0.51	0.70	0.61	0.38	0.17	0.27	0.50	0.62	0.51	0.28							
105	0.34	0.40	0.51	0.68	0.60	0.40	0.19	0.27	0.50	0.61	0.50	0.27							
110	0.35	0.41	0.51	0.65	0.60	0.42	0.21	0.27	0.50	0.60	0.50	0.27							
115	0.35	0.42	0.51	0.64	0.61	0.43	0.25	0.28	0.51	0.59	0.50	0.28							
120	0.35	0.44	0.51	0.63	0.61	0.46	0.26	0.30	0.51	0.58	0.51	0.28							
125	0.37	0.45	0.51	0.62	0.62	0.47	0.30	0.32	0.52	0.57	0.52	0.29							
130	0.40	0.46	0.51	0.62	0.62	0.49	0.34	0.36	0.53	0.57	0.52	0.31							
135	0.42	0.49	0.51	0.62	0.62	0.51	0.37	0.38	0.54	0.57	0.53	0.36							
140	0.43	0.50	0.51	0.61	0.61	0.53	0.42	0.39	0.54	0.57	0.54	0.39							
145	0.45	0.52	0.52	0.61	0.60	0.56	0.45	0.42	0.54	0.57	0.54	0.42							
150	0.48	0.54	0.52	0.57	0.57	0.56	0.47	0.43	0.54	0.57	0.54	0.42							
155	0.49	0.55	0.53	0.56	0.57	0.57	0.51	0.50	0.54	0.57	0.55	0.45							
160	0.50	0.55	0.53	0.55	0.57	0.57	0.53	0.51	0.54	0.57	0.55	0.49							
165	0.51	0.55	0.53	0.55	0.57	0.57	0.54	0.52	0.54	0.57	0.56	0.50							
170	0.53	0.55	0.53	0.55	0.57	0.57	0.54	0.52	0.54	0.57	0.56	0.51							
175	0.54	0.55	0.53	0.54	0.57	0.57	0.54	0.52	0.54	0.57	0.57	0.53							
180	0.55	0.55	0.53	0.54	0.57	0.57	0.54	0.53	0.54	0.57	0.57	0.53							

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	33.29	33.29	33.31	33.29	33.27	33.24	33.29	33.29	33.31	33.29
3.0	33.29	33.23	33.29	33.21	33.27	33.19	33.24	33.30	33.24	33.30
6.0	33.09	33.06	33.10	33.05	33.10	33.03	33.09	33.14	33.08	33.13
9.0	32.79	32.75	32.82	32.78	32.82	32.74	32.79	32.86	32.83	32.88
12.0	32.36	32.35	32.41	32.40	32.44	32.36	32.40	32.46	32.44	32.49
15.0	31.83	31.84	31.92	31.94	31.95	31.87	31.90	31.96	31.97	32.02
18.0	31.19	31.20	31.31	31.37	31.36	31.25	31.29	31.34	31.38	31.42
21.0	30.46	30.48	30.59	30.67	30.67	30.56	30.56	30.61	30.69	30.73
24.0	29.62	29.69	29.82	29.93	29.89	29.78	29.76	29.85	29.92	29.97
27.0	28.69	28.76	28.90	29.03	29.02	28.85	28.84	28.90	29.04	29.11
30.0	27.67	27.74	27.92	28.07	28.05	27.88	27.85	27.96	28.07	28.14
33.0	26.56	26.69	26.86	27.02	26.99	26.81	26.77	26.89	27.02	27.11
36.0	25.37	25.52	25.71	25.88	25.84	25.63	25.61	25.74	25.90	26.00
39.0	24.11	24.25	24.47	24.67	24.63	24.40	24.37	24.50	24.71	24.78
42.0	22.80	22.98	23.19	23.39	23.36	23.14	23.09	23.21	23.43	23.52
45.0	21.41	21.60	21.84	22.10	22.02	21.81	21.73	21.88	22.11	22.23
48.0	19.96	20.16	20.42	20.66	20.60	20.36	20.31	20.46	20.72	20.82
51.0	18.48	18.67	18.95	19.26	19.15	18.95	18.85	19.01	19.28	19.39
54.0	16.93	17.12	17.42	17.71	17.63	17.40	17.33	17.51	17.79	17.92
57.0	15.37	15.57	15.87	16.24	16.09	15.91	15.78	15.96	16.26	16.38
60.0	13.75	13.98	14.27	14.64	14.50	14.28	14.16	14.33	14.69	14.78
63.0	12.12	12.33	12.64	12.99	12.86	12.61	12.57	12.75	13.08	13.22
66.0	10.47	10.70	10.98	11.38	11.23	10.97	10.86	11.02	11.46	11.55
69.0	8.808	9.047	9.300	9.712	9.550	9.262	9.233	9.375	9.794	9.943
72.0	7.148	7.357	7.632	8.029	7.896	7.586	7.522	7.727	8.145	8.302
75.0	5.533	5.717	5.976	6.388	6.219	5.918	5.847	6.017	6.484	6.605
78.0	3.981	4.124	4.383	4.788	4.625	4.324	4.254	4.478	4.898	5.005
81.0	2.574	2.662	2.907	3.272	3.108	2.815	2.751	2.913	3.346	3.536
84.0	1.472	1.500	1.660	1.957	1.812	1.569	1.520	1.659	1.983	2.158
87.0	0.7710	0.7467	0.8197	0.9750	0.9514	0.8020	0.6976	0.8260	0.9327	1.166
90.0	0.4440	0.4513	0.5476	0.7572	0.6516	0.4221	0.2349	0.4163	0.5465	0.7477
93.0	0.3603	0.4354	0.5236	0.7413	0.6189	0.4090	0.1454	0.2842	0.5053	0.6805
96.0	0.3463	0.4196	0.5153	0.7253	0.6119	0.3959	0.1454	0.2702	0.4813	0.6441
99.0	0.3405	0.4037	0.5125	0.7094	0.6068	0.3829	0.1594	0.2702	0.4917	0.6234
102.0	0.3421	0.3976	0.5125	0.6934	0.6027	0.3862	0.1731	0.2702	0.4963	0.6137
105.0	0.3436	0.3965	0.5125	0.6775	0.5985	0.3969	0.1872	0.2701	0.4985	0.6095
108.0	0.3452	0.3953	0.5125	0.6615	0.5996	0.4057	0.2009	0.2721	0.5015	0.6053
111.0	0.3468	0.4018	0.5125	0.6507	0.6033	0.4157	0.2217	0.2751	0.5047	0.5995
114.0	0.3484	0.4155	0.5125	0.6425	0.6070	0.4280	0.2453	0.2818	0.5080	0.5919
117.0	0.3499	0.4294	0.5125	0.6343	0.6105	0.4446	0.2543	0.2886	0.5114	0.5844
120.0	0.3515	0.4419	0.5125	0.6281	0.6141	0.4640	0.2633	0.2977	0.5149	0.5803
123.0	0.3531	0.4495	0.5125	0.6258	0.6175	0.4682	0.2910	0.3089	0.5183	0.5762
126.0	0.3740	0.4572	0.5125	0.6236	0.6210	0.4757	0.3049	0.3255	0.5218	0.5721
129.0	0.3948	0.4640	0.5125	0.6213	0.6191	0.4849	0.3325	0.3324	0.5256	0.5679
132.0	0.4060	0.4711	0.5125	0.6191	0.6172	0.4987	0.3533	0.3808	0.5302	0.5679
135.0	0.4173	0.4894	0.5125	0.6169	0.6153	0.5070	0.3741	0.3846	0.5362	0.5679
138.0	0.4286	0.4964	0.5125	0.6146	0.6134	0.5194	0.3881	0.3885	0.5402	0.5679
141.0	0.4368	0.5034	0.5125	0.6124	0.6115	0.5334	0.4087	0.3923	0.5402	0.5679
144.0	0.4434	0.5125	0.5204	0.6102	0.6096	0.5540	0.4365	0.4016	0.5402	0.5679
147.0	0.4501	0.5263	0.5219	0.5954	0.5888	0.5582	0.4571	0.4224	0.5402	0.5679
150.0	0.4778	0.5402	0.5234	0.5679	0.5747	0.5611	0.4710	0.4294	0.5402	0.5679
153.0	0.4848	0.5541	0.5249	0.5593	0.5740	0.5690	0.4918	0.4915	0.5402	0.5679
156.0	0.4917	0.5541	0.5264	0.5569	0.5732	0.5706	0.5125	0.5041	0.5402	0.5679
159.0	0.4986	0.5541	0.5279	0.5545	0.5725	0.5722	0.5264	0.5106	0.5402	0.5679
162.0	0.5056	0.5541	0.5294	0.5521	0.5717	0.5738	0.5339	0.5139	0.5402	0.5679
165.0	0.5125	0.5541	0.5309	0.5497	0.5709	0.5740	0.5351	0.5172	0.5402	0.5679
168.0	0.5194	0.5541	0.5324	0.5474	0.5702	0.5742	0.5364	0.5195	0.5402	0.5679
171.0	0.5319	0.5541	0.5330	0.5450	0.5694	0.5744	0.5377	0.5218	0.5402	0.5679
174.0	0.5410	0.5541	0.5331	0.5426	0.5687	0.5746	0.5389	0.5241	0.5402	0.5679
177.0	0.5471	0.5541	0.5333	0.5402	0.5679	0.5748	0.5402	0.5264	0.5402	0.5679
180.0	0.5471	0.5541	0.5333	0.5402	0.5679	0.5748	0.5402	0.5333	0.5402	0.5679
G/C	300.0	330.0								
0.0	33.27	33.24								
3.0	33.22	33.24								
6.0	33.06	33.07								
9.0	32.79	32.79								
12.0	32.41	32.36								
15.0	31.93	31.85								
18.0	31.34	31.22								
21.0	30.64	30.50								
24.0	29.87	29.69								
27.0	29.00	28.75								
30.0	28.03	27.78								

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:

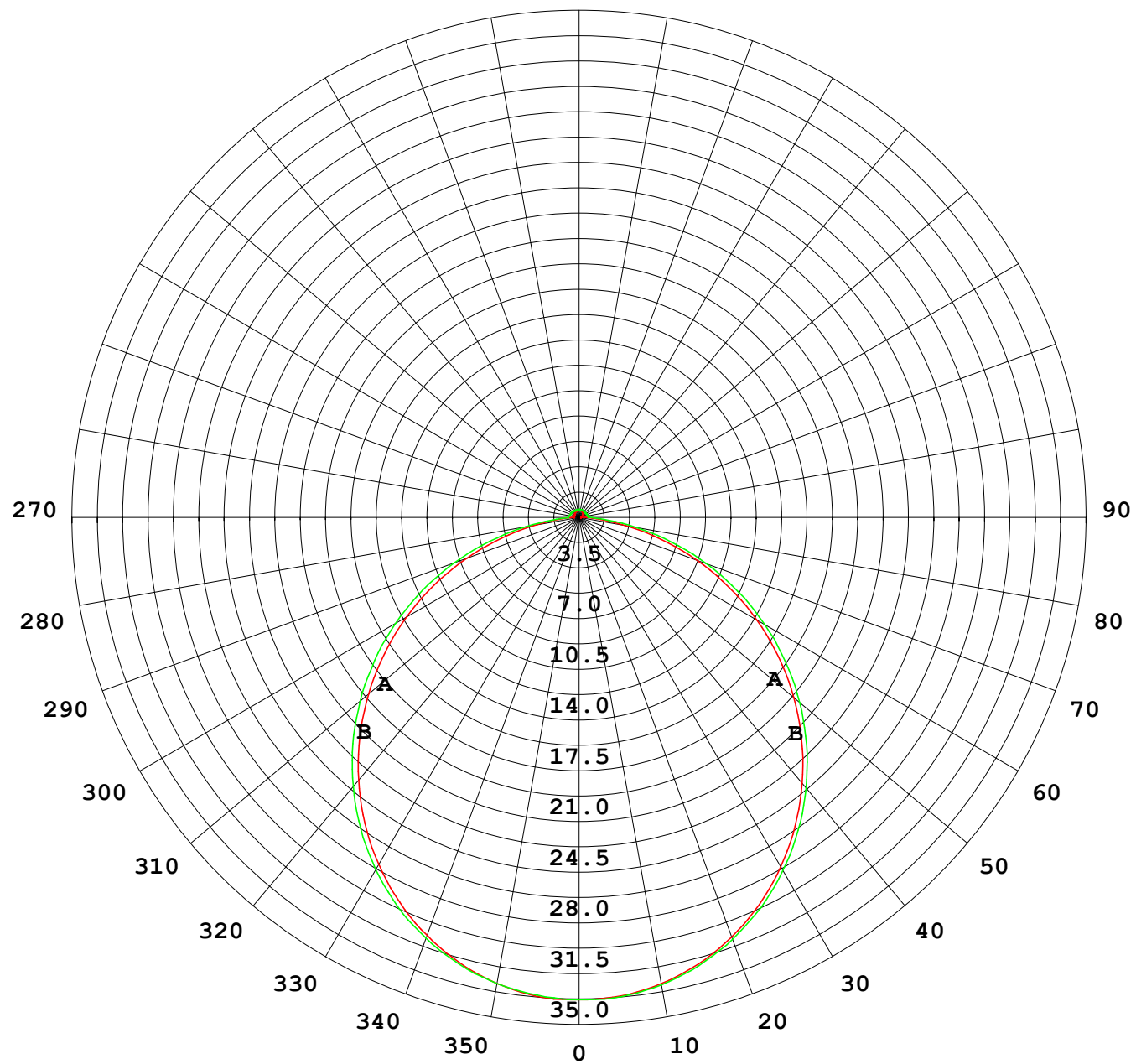
Photometric Data Table [cd]

33.0	26.97	26.70
36.0	25.85	25.53
39.0	24.64	24.30
42.0	23.36	22.99
45.0	22.03	21.63
48.0	20.63	20.19
51.0	19.19	18.70
54.0	17.68	17.19
57.0	16.15	15.62
60.0	14.55	13.98
63.0	12.92	12.40
66.0	11.28	10.68
69.0	9.607	9.043
72.0	7.944	7.423
75.0	6.290	5.733
78.0	4.683	4.160
81.0	3.167	2.732
84.0	1.851	1.507
87.0	0.8705	0.7293
90.0	0.5115	0.3677
93.0	0.5100	0.2841
96.0	0.5085	0.2815
99.0	0.5069	0.2777
102.0	0.5054	0.2740
105.0	0.5038	0.2720
108.0	0.5023	0.2735
111.0	0.5007	0.2750
114.0	0.5005	0.2772
117.0	0.5031	0.2806
120.0	0.5068	0.2840
123.0	0.5115	0.2874
126.0	0.5170	0.2908
129.0	0.5226	0.3047
132.0	0.5194	0.3187
135.0	0.5287	0.3600
138.0	0.5356	0.3810
141.0	0.5333	0.3987
144.0	0.5365	0.4163
147.0	0.5397	0.4179
150.0	0.5430	0.4248
153.0	0.5462	0.4317
156.0	0.5491	0.4552
159.0	0.5518	0.4778
162.0	0.5545	0.4933
165.0	0.5572	0.4979
168.0	0.5598	0.5025
171.0	0.5625	0.5075
174.0	0.5652	0.5125
177.0	0.5679	0.5264
180.0	0.5679	0.5333

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

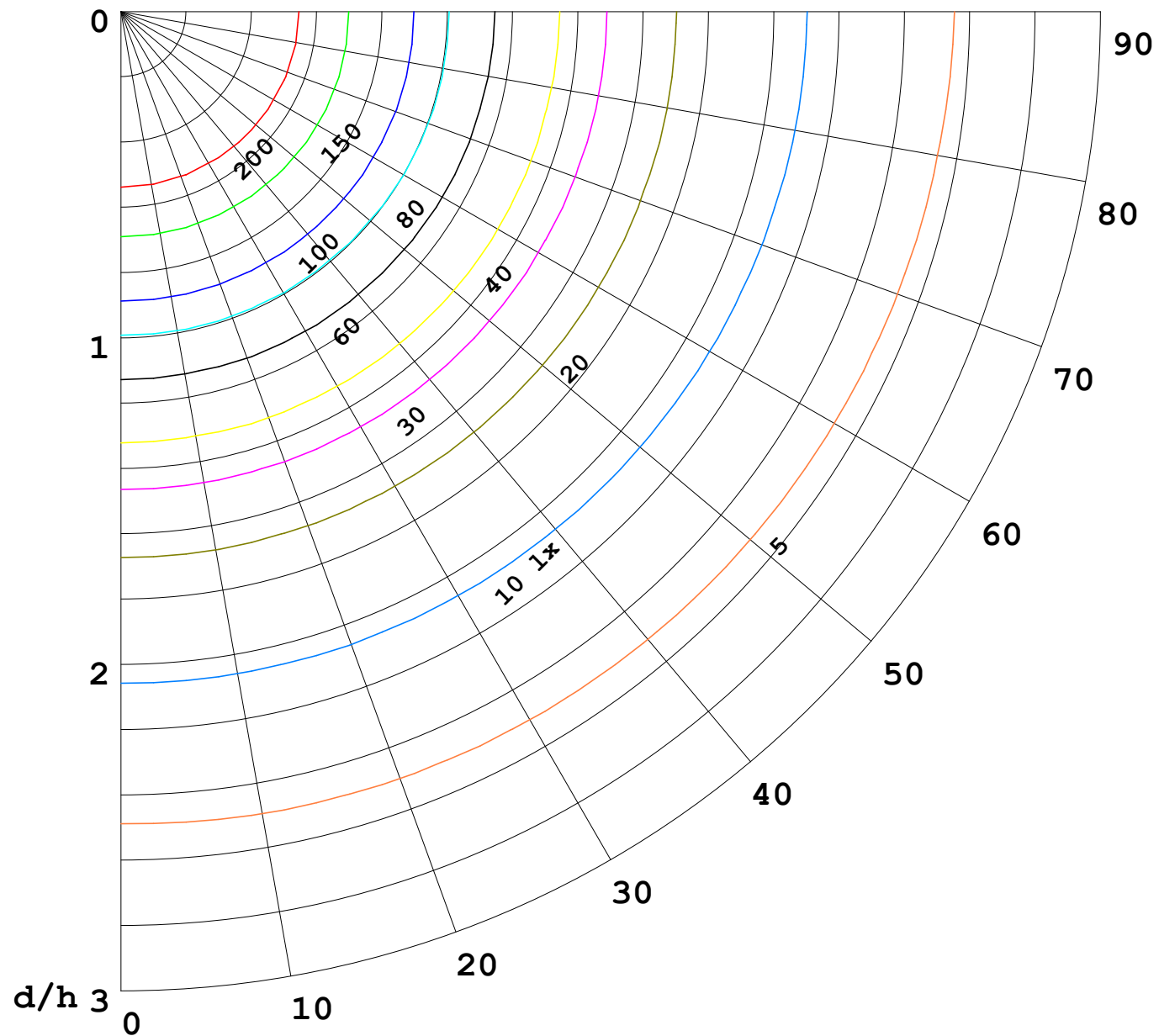
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:10.800m [K=1.0000]
Remarks:

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

