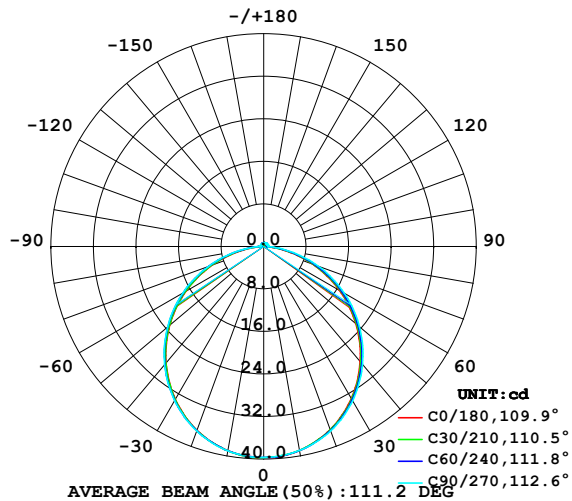


LUMINAIRE PHOTOMETRIC TEST REPORT

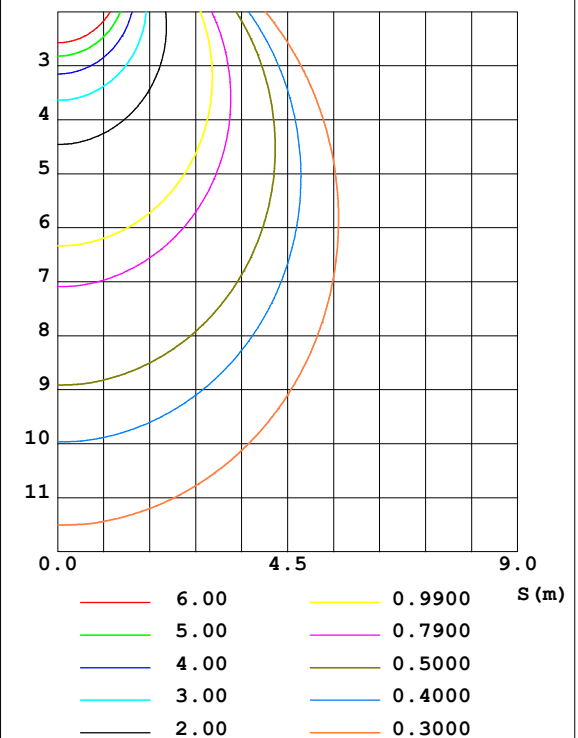
Test:U:12.00V I:0.4807A P:5.768W PF:1.000 Lamp Flux:115.297x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-W	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 19.99 lm/W			
MODEL	5050	I _{max} (cd)	39.72	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)	115.30	η UP, DN (C0-180)	1.8, 48.3
NOMINAL FLUX (lm)	115.297	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.4, 48.6
LAMPS INSIDE	1	η up (%)	3.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	12.0	η down (%)	96.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



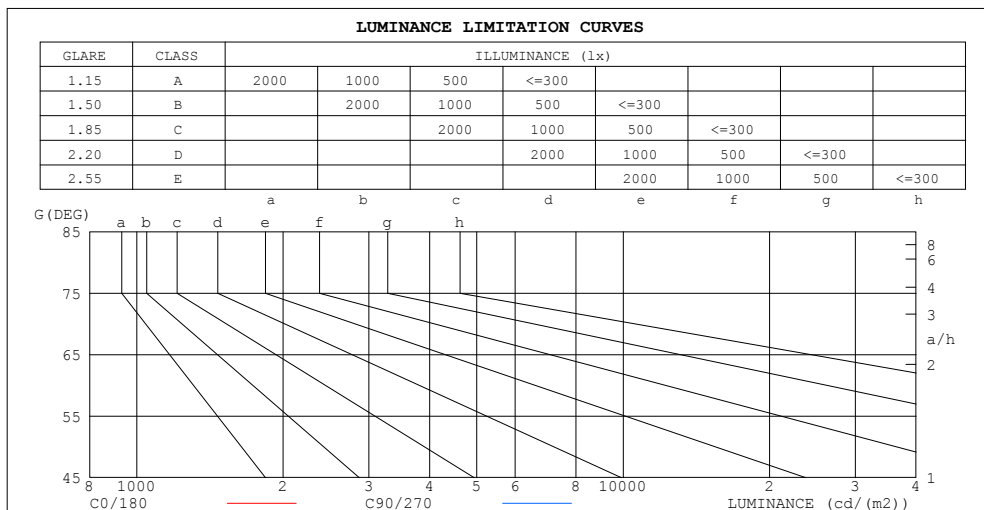
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: WFW
Test Date: 2023-02-23

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	38.96	38.94	38.93	38.91	38.99	39.01	39.03	38.90	0- 10	3.753	3.753	3.26,3.26
20	36.64	36.74	36.90	36.78	36.77	36.85	36.90	36.72	10- 20	10.73	14.49	12.6,12.6
30	33.00	33.21	33.50	33.30	33.23	33.36	33.52	33.21	20- 30	16.21	30.70	26.6,26.6
40	28.25	28.55	28.92	28.74	28.59	28.79	29.02	28.62	30- 40	19.45	50.15	43.5,43.5
50	22.64	23.04	23.51	23.31	23.10	23.36	23.62	23.12	40- 50	20.08	70.23	60.9,60.9
60	16.41	16.86	17.49	17.15	16.92	17.24	17.55	16.97	50- 60	18.06	88.29	76.6,76.6
70	9.828	10.26	10.96	10.58	10.33	10.77	11.13	10.39	60- 70	13.67	102.0	88.4,88.4
80	3.607	3.903	4.573	4.312	3.886	4.276	4.721	4.016	70- 80	7.665	109.6	95.1,95.1
90	0.5411	0.5888	0.8380	0.6964	0.3659	0.4920	0.7281	0.4575	80- 90	2.074	111.7	96.9,96.9
100	0.4294	0.5575	0.8448	0.8310	0.2078	0.4052	0.6856	0.4052	90-100	0.5781	112.3	97.4,97.4
110	0.4294	0.5714	0.7894	0.6407	0.2770	0.4155	0.6649	0.4259	100-110	0.5619	112.8	97.9,97.9
120	0.4294	0.5922	0.7480	0.6615	0.3395	0.4676	0.6510	0.4432	110-120	0.5275	113.4	98.3,98.3
130	0.4987	0.6129	0.7480	0.6926	0.4226	0.5333	0.6441	0.4814	120-130	0.5032	113.9	98.8,98.8
140	0.5332	0.6406	0.7411	0.7169	0.5056	0.5714	0.6441	0.5575	130-140	0.4610	114.3	99.2,99.2
150	0.6163	0.6926	0.7272	0.7100	0.5886	0.6095	0.6441	0.5921	140-150	0.3977	114.7	99.5,99.5
160	0.6233	0.6960	0.7134	0.7168	0.6511	0.6510	0.6441	0.6510	150-160	0.3056	115.0	99.8,99.8
170	0.6717	0.7203	0.7203	0.7203	0.7134	0.6822	0.6578	0.6821	160-170	0.1936	115.2	99.9,99.9
180	0.7203	0.7272	0.7203	0.7272	0.7064	0.7168	0.7064	0.7411	170-180	0.0672	115.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	165	221
80	208	263
75	255	297
70	287	320
65	311	337
60	328	350
55	342	359
50	352	366
45	361	372

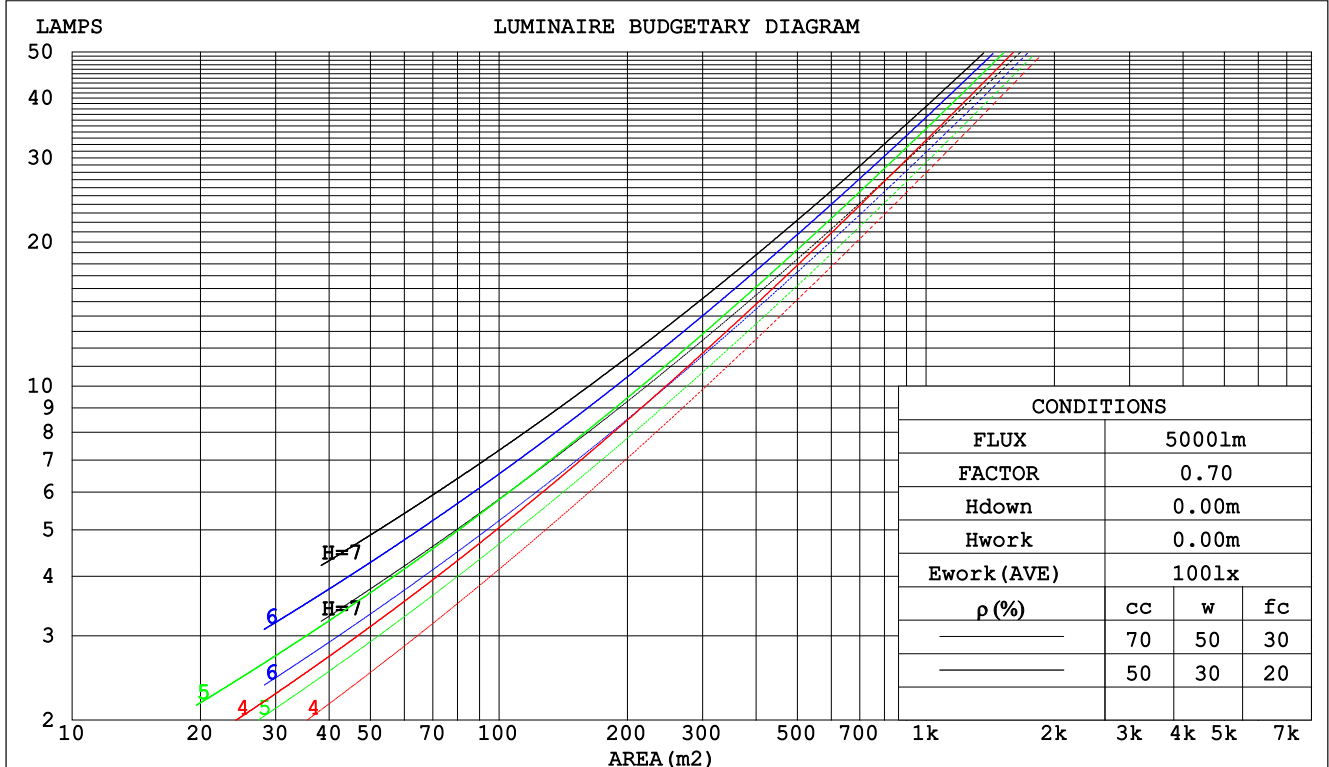
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-02-23

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:0.4807A P:5.768W PF:1.000 Lamp Flux:115.297x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-W	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						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	.91	.89	.87	.87	.85	.83	.81
2.0	.90	.83	.77	.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	.54	.68	.60	.54	.65	.58	.53	.63	.57	.52	.60	.55	.51	.48
5.0	.62	.53	.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	.37	.31	.26	.36	.30	.26	.35	.29	.25	.23



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:0.4807A P:5.768W PF:1.000 Lamp Flux:115.297x1 lm					
NAME: SF15-12V-5050-60-W12-SPI4-3000K-W			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	.268	.149	.046	.256	.144	.045	.245	.139	.044		
3.0	.268	.142	.043	.261	.140	.042	.249	.135	.041	.238	.131	.040	.228	.126	.039		
4.0	.247	.128	.038	.241	.126	.037	.231	.122	.037	.221	.119	.036	.212	.115	.035		
5.0	.229	.116	.034	.224	.115	.033	.214	.111	.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	.167	.085	.024	.161	.083	.024		
9.0	.173	.084	.023	.170	.083	.023	.163	.081	.023	.157	.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	.159	.175	.155	.136	.119	.106	.094	.069	.062	.055	.022	.020	.018	
2.0	.196	.156	.122	.168	.134	.106	.115	.093	.074	.066	.054	.043	.021	.017	.014	
3.0	.188	.139	.099	.161	.120	.086	.111	.083	.060	.064	.048	.035	.021	.016	.012	
4.0	.181	.125	.083	.155	.108	.072	.107	.075	.051	.062	.044	.030	.020	.014	.010	
5.0	.173	.115	.072	.149	.099	.063	.103	.069	.044	.059	.041	.026	.019	.013	.009	
6.0	.166	.107	.064	.143	.092	.056	.099	.065	.039	.057	.038	.023	.018	.012	.008	
7.0	.159	.100	.058	.137	.086	.051	.095	.061	.036	.055	.036	.021	.018	.012	.007	
8.0	.153	.094	.053	.132	.082	.047	.091	.057	.033	.053	.034	.020	.017	.011	.007	
9.0	.147	.089	.050	.127	.077	.044	.088	.054	.031	.051	.032	.018	.017	.011	.006	
10.0	.141	.085	.047	.122	.074	.041	.085	.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:0.4807A P:5.768W PF:1.000 Lamp Flux:115.297x1 lm											
NAME: SF15-12V-5050-60-W12-SPI4-3000K-W					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	8.9	10.4	9.2	10.6	10.9	9.1	10.6	9.4	10.8	11.1	
	3H	10.3	11.7	10.7	12.0	12.3	10.6	12.0	11.0	12.3	12.6
	4H	10.8	12.1	11.2	12.4	12.7	11.2	12.5	11.6	12.8	13.2
	6H	11.1	12.4	11.5	12.7	13.0	11.7	12.9	12.0	13.2	13.5
	8H	11.2	12.4	11.6	12.7	13.1	11.8	12.9	12.2	13.3	13.6
	12H	11.2	12.4	11.6	12.7	13.1	11.8	13.0	12.2	13.3	13.7
4H	2H	9.5	10.8	9.9	11.1	11.4	9.7	11.0	10.0	11.3	11.6
	3H	11.1	12.2	11.5	12.6	12.9	11.4	12.5	11.8	12.8	13.2
	4H	11.7	12.7	12.1	13.1	13.5	12.1	13.1	12.5	13.5	13.9
	6H	12.1	13.0	12.6	13.5	13.9	12.6	13.5	13.1	13.9	14.4
	8H	12.2	13.1	12.7	13.5	14.0	12.8	13.6	13.2	14.0	14.5
	12H	12.3	13.1	12.8	13.5	14.0	12.9	13.7	13.4	14.1	14.6
8H	4H	12.0	12.8	12.4	13.2	13.7	12.3	13.1	12.7	13.5	14.0
	6H	12.5	13.2	13.0	13.7	14.2	12.9	13.6	13.4	14.1	14.6
	8H	12.7	13.3	13.2	13.8	14.3	13.2	13.8	13.7	14.3	14.8
	12H	12.8	13.3	13.3	13.8	14.4	13.3	13.9	13.9	14.4	14.9
12H	4H	12.0	12.7	12.4	13.2	13.7	12.3	13.0	12.7	13.5	14.0
	6H	12.5	13.2	13.0	13.6	14.2	13.0	13.6	13.5	14.1	14.6
	8H	12.7	13.3	13.3	13.8	14.3	13.2	13.8	13.7	14.3	14.8
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 115.3 lm Total Lamp Luminous Flux. (8log(F/F0) = -7.5)

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:0.4807A P:5.768W PF:1.000 Lamp Flux:115.297x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-W	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

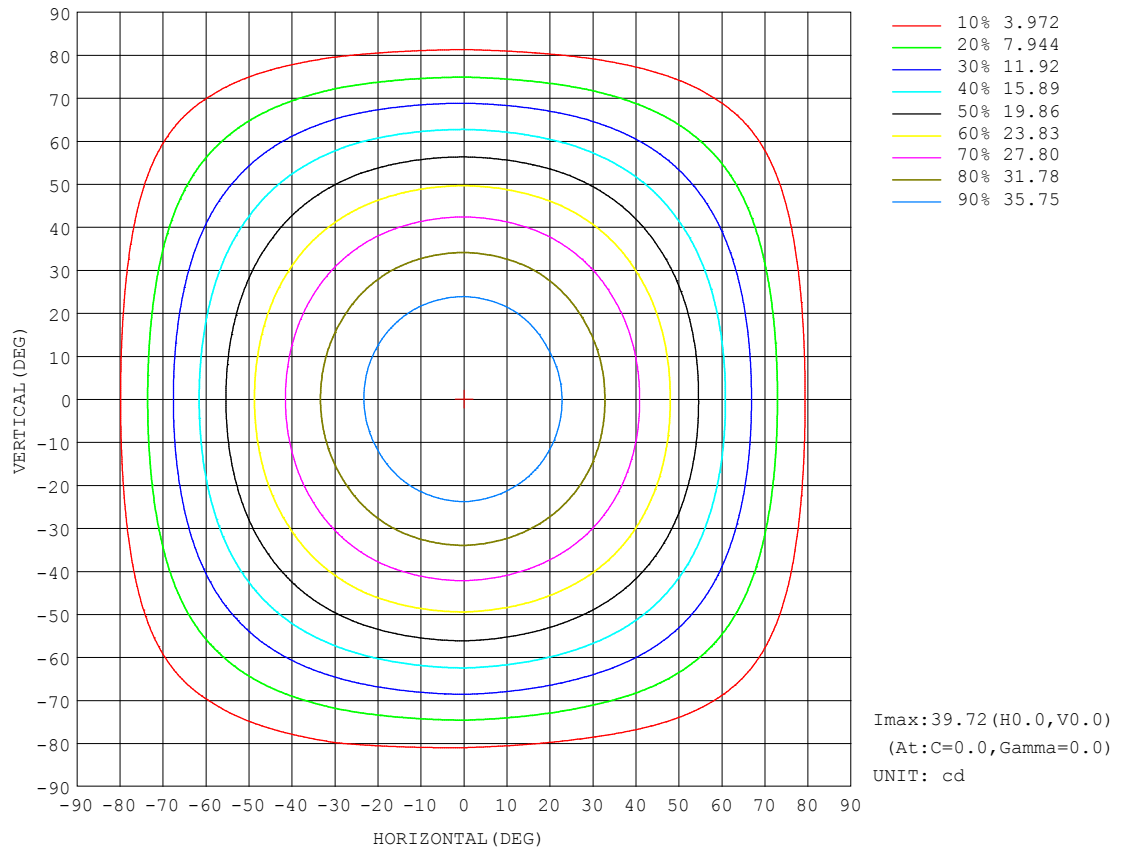
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	71	64	56	48
1.25	82	72	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	70	82	74	68	60
2.00	94	85	79	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	91	86	81	72
3.00	101	94	89	99	93	88	94	89	85	76
4.00	105	100	95	103	98	93	98	94	90	80
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:0.4807A P:5.768W PF:1.000 Lamp Flux:115.297x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-W	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

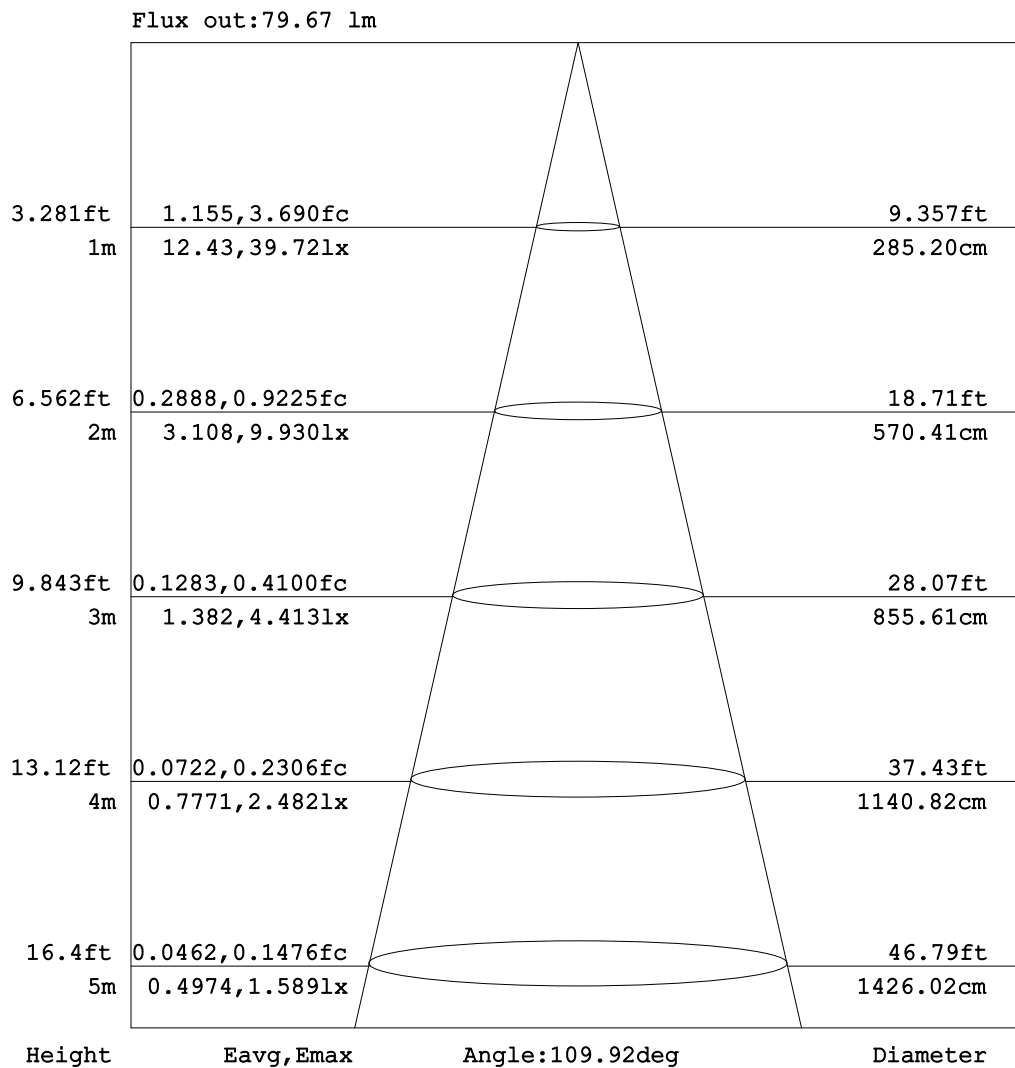


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-02-23

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:0.4807A P:5.768W PF:1.000 Lamp Flux:115.297x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-W	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:



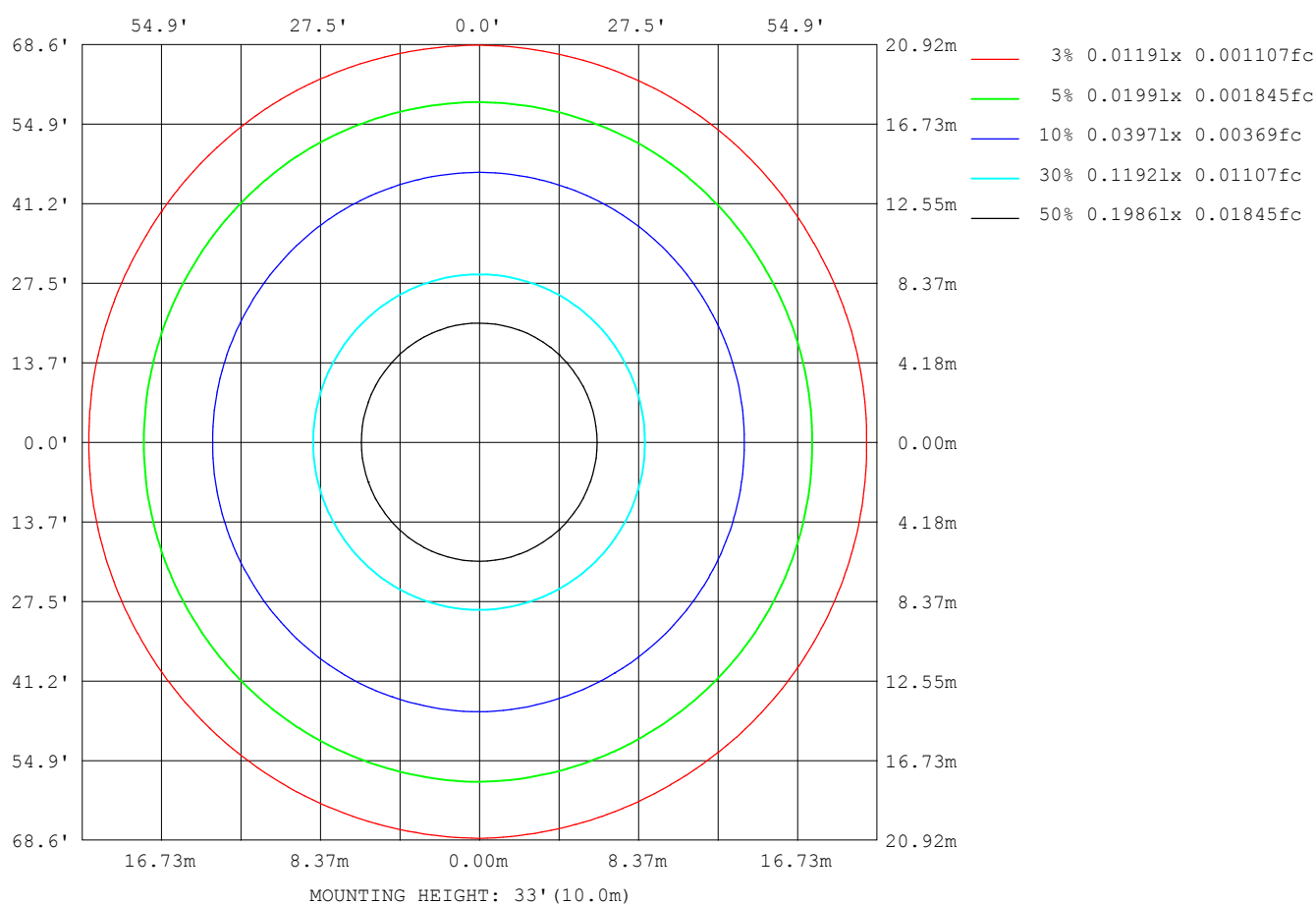
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

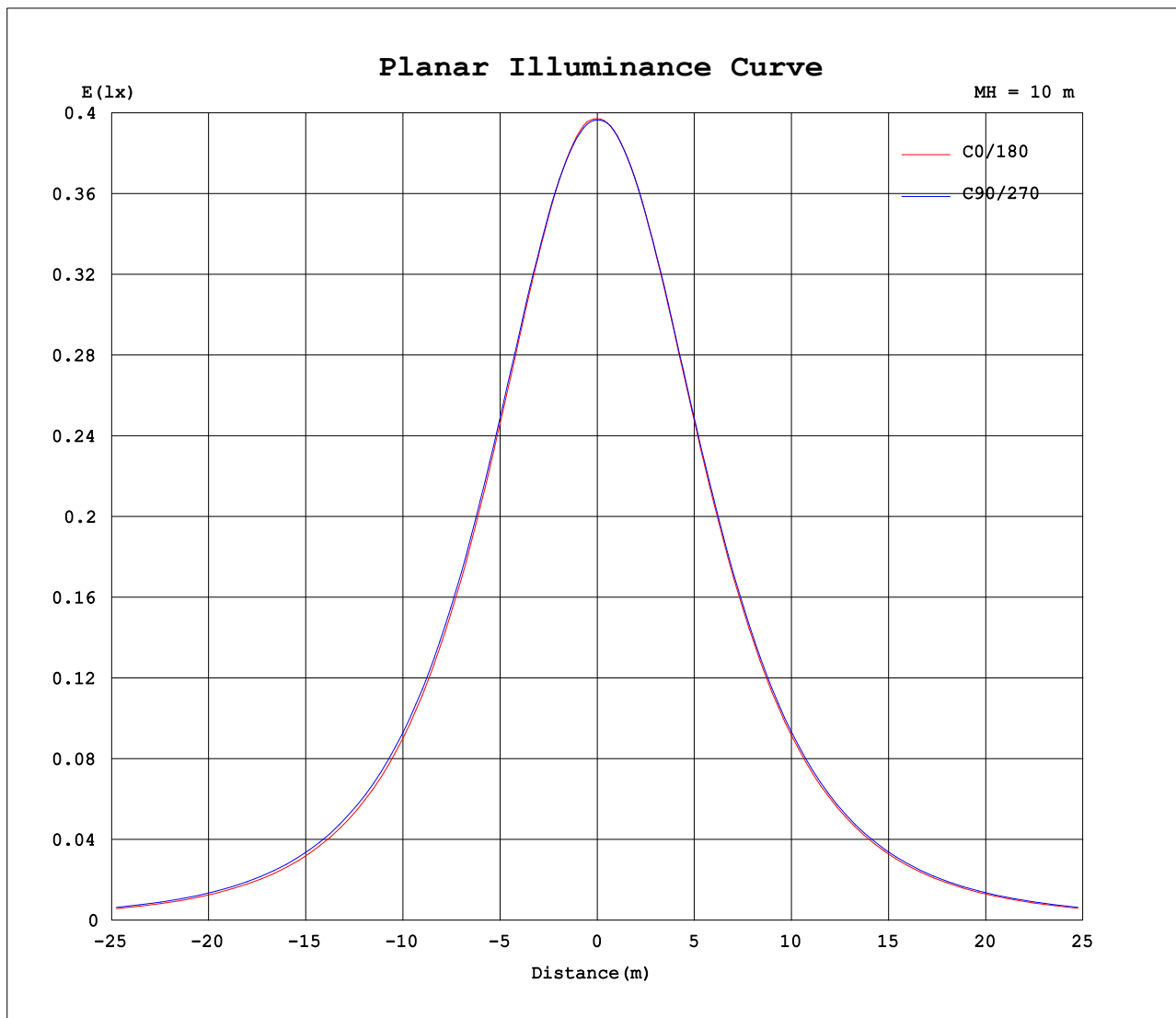
Test:U:12.00V I:0.4807A P:5.768W PF:1.000 Lamp Flux:115.297x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-W	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:



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:

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:0.4807A P:5.768W PF:1.000 Lamp Flux:115.297x1 lm		
NAME: SF15-12V-5050-60-W12-SPI4-3000K-W	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	39.7	39.7	39.7	39.7	39.6	39.6	39.7	39.7	39.7	39.7	39.6	39.6							
5	39.6	39.5	39.5	39.5	39.5	39.4	39.5	39.6	39.5	39.6	39.5	39.5							
10	39.0	38.9	39.0	38.9	38.9	38.9	39.0	39.0	39.0	39.0	38.9	38.9							
15	38.0	38.0	38.0	38.1	38.1	37.9	38.1	38.1	38.1	38.1	38.0	37.9							
20	36.6	36.7	36.8	36.9	36.8	36.7	36.8	36.8	36.9	36.9	36.8	36.6							
25	35.0	35.0	35.2	35.4	35.3	35.1	35.2	35.2	35.3	35.3	35.2	35.0							
30	33.0	33.1	33.3	33.5	33.4	33.2	33.2	33.3	33.4	33.5	33.4	33.0							
35	30.7	30.9	31.1	31.3	31.3	31.0	31.0	31.1	31.3	31.4	31.2	30.8							
40	28.2	28.4	28.7	28.9	28.9	28.6	28.6	28.6	28.9	29.0	28.8	28.4							
45	25.5	25.8	26.0	26.3	26.3	26.0	25.9	26.0	26.3	26.4	26.2	25.7							
50	22.6	22.9	23.2	23.5	23.5	23.1	23.1	23.2	23.5	23.6	23.4	22.9							
55	19.6	19.9	20.2	20.6	20.5	20.1	20.1	20.2	20.6	20.7	20.4	19.8							
60	16.4	16.7	17.0	17.5	17.3	17.0	16.9	17.0	17.5	17.6	17.3	16.6							
65	13.1	13.4	13.7	14.3	14.0	13.8	13.6	13.8	14.3	14.4	14.1	13.4							
70	9.83	10.1	10.4	11.0	10.8	10.4	10.3	10.5	11.0	11.1	10.8	10.0							
75	6.59	6.80	7.13	7.70	7.56	7.11	7.01	7.15	7.69	7.85	7.45	6.77							
80	3.61	3.76	4.04	4.57	4.65	3.97	3.89	4.02	4.53	4.72	4.31	3.72							
85	1.44	1.44	1.58	1.93	2.03	1.53	1.43	1.54	1.83	2.08	1.70	1.40							
90	0.54	0.50	0.68	0.84	0.85	0.54	0.37	0.47	0.51	0.73	0.49	0.42							
95	0.43	0.48	0.64	0.84	0.86	0.46	0.18	0.29	0.48	0.69	0.49	0.33							
100	0.43	0.48	0.64	0.84	1.18	0.48	0.21	0.29	0.52	0.69	0.49	0.32							
105	0.43	0.48	0.64	0.81	0.91	0.49	0.24	0.29	0.53	0.67	0.51	0.32							
110	0.43	0.50	0.64	0.79	0.78	0.51	0.28	0.29	0.54	0.66	0.53	0.32							
115	0.43	0.52	0.64	0.76	0.78	0.53	0.31	0.33	0.55	0.66	0.55	0.32							
120	0.43	0.54	0.64	0.75	0.78	0.55	0.34	0.38	0.55	0.65	0.55	0.33							
125	0.45	0.55	0.64	0.75	0.78	0.58	0.38	0.39	0.58	0.64	0.57	0.39							
130	0.50	0.58	0.64	0.75	0.78	0.61	0.42	0.47	0.60	0.64	0.57	0.39							
135	0.51	0.60	0.64	0.74	0.78	0.64	0.46	0.48	0.62	0.64	0.60	0.43							
140	0.53	0.62	0.66	0.74	0.78	0.66	0.51	0.51	0.63	0.64	0.62	0.49							
145	0.55	0.64	0.74	0.73	0.75	0.69	0.54	0.51	0.66	0.64	0.64	0.51							
150	0.62	0.66	0.73	0.73	0.73	0.69	0.59	0.55	0.67	0.64	0.66	0.52							
155	0.62	0.68	0.72	0.72	0.72	0.70	0.62	0.60	0.69	0.64	0.68	0.55							
160	0.62	0.68	0.71	0.71	0.72	0.71	0.65	0.61	0.69	0.64	0.69	0.61							
165	0.64	0.73	0.71	0.71	0.72	0.73	0.69	0.62	0.72	0.64	0.69	0.61							
170	0.67	0.73	0.71	0.72	0.71	0.73	0.71	0.64	0.73	0.66	0.72	0.64							
175	0.70	0.73	0.71	0.72	0.71	0.75	0.73	0.66	0.73	0.66	0.73	0.65							
180	0.72	0.74	0.71	0.72	0.71	0.74	0.71	0.70	0.73	0.71	0.73	0.75							

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	39.72	39.71	39.68	39.66	39.62	39.59	39.72	39.71	39.68	39.66
3.0	39.71	39.62	39.66	39.60	39.63	39.51	39.66	39.70	39.62	39.66
6.0	39.49	39.40	39.45	39.40	39.42	39.32	39.47	39.51	39.43	39.48
9.0	39.11	39.05	39.11	39.07	39.08	39.01	39.13	39.17	39.13	39.17
12.0	38.61	38.57	38.64	38.65	38.63	38.52	38.66	38.68	38.68	38.70
15.0	37.97	37.95	38.04	38.10	38.06	37.94	38.05	38.07	38.10	38.11
18.0	37.22	37.25	37.35	37.42	37.37	37.27	37.35	37.36	37.41	37.44
21.0	36.33	36.37	36.51	36.60	36.56	36.39	36.48	36.52	36.58	36.60
24.0	35.33	35.41	35.54	35.70	35.62	35.46	35.51	35.55	35.66	35.70
27.0	34.21	34.32	34.47	34.61	34.57	34.38	34.41	34.48	34.60	34.61
30.0	33.00	33.12	33.30	33.50	33.41	33.18	33.23	33.28	33.45	33.52
33.0	31.67	31.83	32.01	32.22	32.15	31.93	31.94	31.97	32.20	32.24
36.0	30.27	30.41	30.62	30.84	30.79	30.54	30.55	30.62	30.84	30.92
39.0	28.77	28.94	29.18	29.42	29.37	29.07	29.10	29.15	29.42	29.50
42.0	27.17	27.39	27.63	27.91	27.85	27.58	27.55	27.65	27.91	27.99
45.0	25.53	25.75	26.03	26.31	26.28	25.95	25.94	26.03	26.33	26.43
48.0	23.81	24.05	24.33	24.67	24.63	24.29	24.25	24.33	24.68	24.75
51.0	22.04	22.28	22.60	22.97	22.93	22.56	22.52	22.60	22.98	23.05
54.0	20.20	20.49	20.78	21.18	21.11	20.76	20.70	20.85	21.16	21.30
57.0	18.32	18.58	18.92	19.37	19.22	18.92	18.84	18.93	19.40	19.45
60.0	16.41	16.72	17.00	17.49	17.29	17.00	16.92	17.04	17.45	17.55
63.0	14.48	14.73	15.06	15.56	15.35	15.06	14.96	15.05	15.63	15.69
66.0	12.50	12.77	13.08	13.63	13.39	13.10	12.98	13.14	13.61	13.76
69.0	10.49	10.76	11.09	11.66	11.42	11.08	10.99	11.15	11.70	11.77
72.0	8.534	8.769	9.109	9.642	9.462	9.080	8.982	9.169	9.661	9.820
75.0	6.594	6.804	7.134	7.697	7.563	7.108	7.009	7.154	7.688	7.853
78.0	4.751	4.933	5.229	5.730	5.755	5.169	5.091	5.303	5.763	5.920
81.0	3.074	3.216	3.476	3.984	4.092	3.375	3.290	3.453	3.934	4.132
84.0	1.750	1.784	1.993	2.344	2.500	1.908	1.830	1.944	2.294	2.526
87.0	0.9238	0.9058	1.000	1.224	1.319	0.9820	0.8565	0.9719	1.071	1.312
90.0	0.5411	0.4985	0.6792	0.8380	0.8529	0.5399	0.3659	0.4718	0.5122	0.7281
93.0	0.4365	0.4779	0.6442	0.8380	0.8172	0.4640	0.1938	0.3050	0.4779	0.7065
96.0	0.4294	0.4779	0.6372	0.8380	0.9341	0.4710	0.1871	0.2909	0.4779	0.6857
99.0	0.4294	0.4779	0.6372	0.8381	1.163	0.4779	0.2009	0.2909	0.5126	0.6787
102.0	0.4294	0.4779	0.6372	0.8172	1.171	0.4917	0.2079	0.2909	0.5195	0.6718
105.0	0.4294	0.4779	0.6440	0.8103	0.9150	0.4917	0.2356	0.2909	0.5333	0.6718
108.0	0.4294	0.4849	0.6441	0.7895	0.7900	0.4987	0.2632	0.2909	0.5402	0.6649
111.0	0.4294	0.5056	0.6441	0.7757	0.7757	0.5126	0.2772	0.2978	0.5403	0.6649
114.0	0.4294	0.5126	0.6441	0.7687	0.7757	0.5264	0.2980	0.3254	0.5541	0.6580
117.0	0.4294	0.5264	0.6441	0.7549	0.7757	0.5402	0.3187	0.3599	0.5541	0.6580
120.0	0.4294	0.5402	0.6441	0.7480	0.7757	0.5472	0.3395	0.3810	0.5543	0.6510
123.0	0.4362	0.5403	0.6441	0.7480	0.7757	0.5749	0.3671	0.3878	0.5749	0.6442
126.0	0.4844	0.5610	0.6441	0.7480	0.7757	0.5956	0.3880	0.3947	0.5887	0.6441
129.0	0.4987	0.5749	0.6441	0.7480	0.7757	0.6095	0.4088	0.4569	0.5956	0.6441
132.0	0.4987	0.5818	0.6441	0.7479	0.7757	0.6234	0.4296	0.4710	0.6025	0.6441
135.0	0.5057	0.5957	0.6441	0.7411	0.7757	0.6440	0.4641	0.4848	0.6232	0.6441
138.0	0.5125	0.6026	0.6510	0.7411	0.7757	0.6511	0.4849	0.5125	0.6166	0.6441
141.0	0.5401	0.6165	0.6991	0.7411	0.7757	0.6649	0.5057	0.5125	0.6372	0.6441
144.0	0.5471	0.6303	0.7478	0.7341	0.7619	0.6788	0.5402	0.5125	0.6580	0.6441
147.0	0.5747	0.6442	0.7410	0.7272	0.7411	0.6857	0.5611	0.5263	0.6649	0.6441
150.0	0.6163	0.6580	0.7272	0.7272	0.7272	0.6927	0.5886	0.5471	0.6720	0.6441
153.0	0.6232	0.6787	0.7203	0.7273	0.7272	0.6995	0.6096	0.5678	0.6788	0.6441
156.0	0.6164	0.6787	0.7203	0.7202	0.7203	0.7064	0.6234	0.6025	0.6926	0.6441
159.0	0.6233	0.6787	0.7134	0.7134	0.7203	0.7065	0.6510	0.6095	0.6926	0.6441
162.0	0.6371	0.6996	0.7134	0.7134	0.7203	0.7203	0.6650	0.6095	0.6997	0.6441
165.0	0.6372	0.7272	0.7134	0.7134	0.7203	0.7272	0.6857	0.6163	0.7203	0.6441
168.0	0.6647	0.7272	0.7134	0.7134	0.7272	0.7272	0.6997	0.6303	0.7272	0.6441
171.0	0.6787	0.7341	0.7134	0.7203	0.7134	0.7272	0.7204	0.6440	0.7272	0.6511
174.0	0.6856	0.7341	0.7134	0.7203	0.7134	0.7411	0.7341	0.6510	0.7341	0.6580
177.0	0.7134	0.7411	0.7134	0.7203	0.7134	0.7411	0.7339	0.6648	0.7341	0.6649
180.0	0.7203	0.7411	0.7134	0.7203	0.7134	0.7411	0.7064	0.6995	0.7341	0.7064
G/C	300.0	330.0								
0.0	39.62	39.59								
3.0	39.57	39.59								
6.0	39.38	39.37								
9.0	39.07	39.03								
12.0	38.61	38.52								
15.0	38.03	37.91								
18.0	37.34	37.16								
21.0	36.52	36.30								
24.0	35.58	35.31								
27.0	34.52	34.25								
30.0	33.37	33.04								

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:

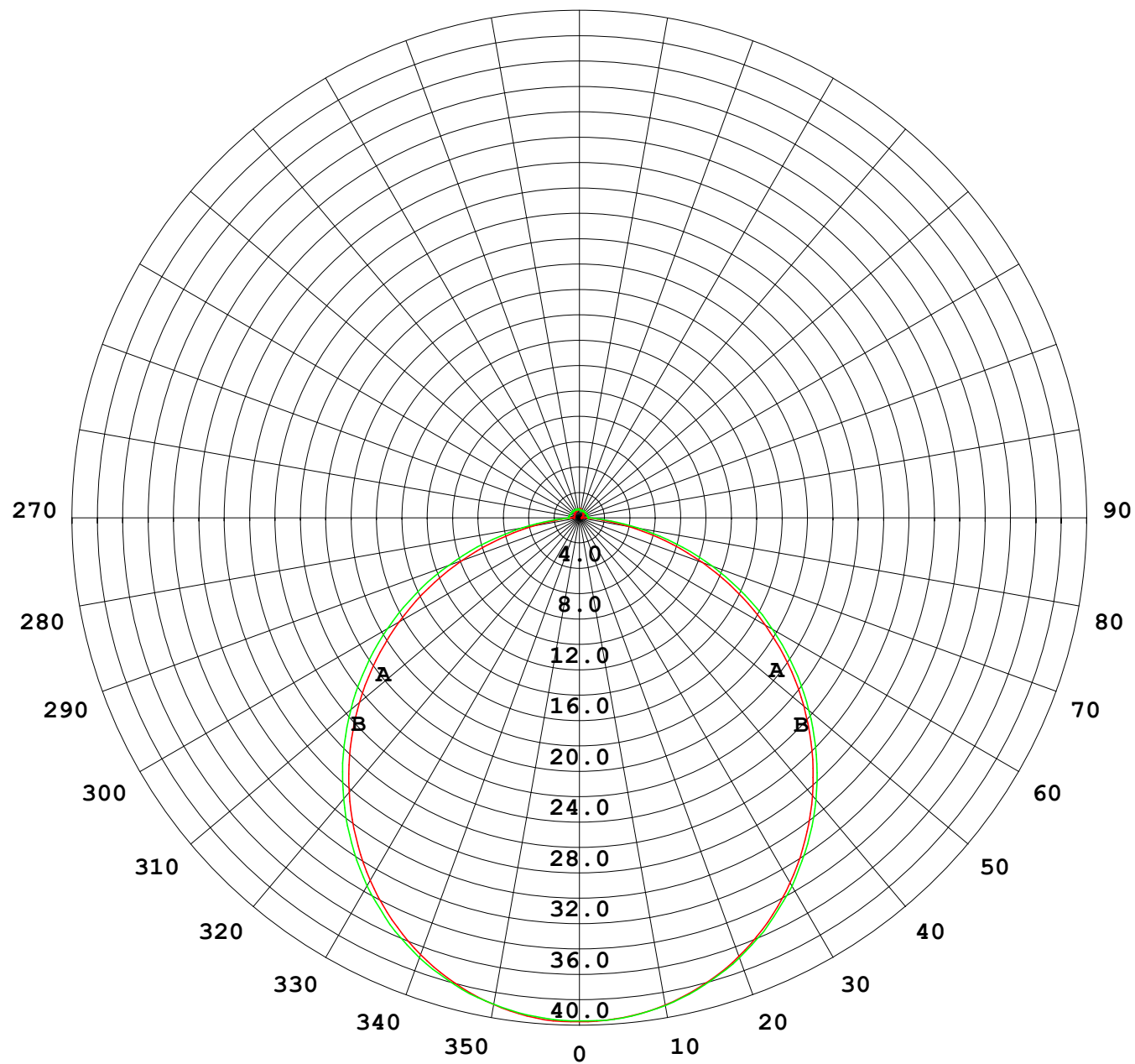
Photometric Data Table [cd]

33.0	32.11	31.74
36.0	30.75	30.40
39.0	29.33	28.89
42.0	27.80	27.31
45.0	26.22	25.71
48.0	24.55	24.01
51.0	22.82	22.27
54.0	21.02	20.45
57.0	19.20	18.58
60.0	17.31	16.63
63.0	15.37	14.74
66.0	13.41	12.72
69.0	11.42	10.71
72.0	9.411	8.802
75.0	7.446	6.766
78.0	5.541	4.985
81.0	3.733	3.176
84.0	2.142	1.784
87.0	0.9741	0.8540
90.0	0.4917	0.4233
93.0	0.4917	0.3325
96.0	0.4917	0.3255
99.0	0.4917	0.3186
102.0	0.4987	0.3186
105.0	0.5058	0.3186
108.0	0.5195	0.3186
111.0	0.5333	0.3186
114.0	0.5403	0.3186
117.0	0.5472	0.3186
120.0	0.5541	0.3323
123.0	0.5679	0.3739
126.0	0.5679	0.3948
129.0	0.5679	0.3948
132.0	0.5888	0.4016
135.0	0.6025	0.4293
138.0	0.6096	0.4569
141.0	0.6303	0.4917
144.0	0.6372	0.5056
147.0	0.6510	0.5056
150.0	0.6649	0.5194
153.0	0.6718	0.5402
156.0	0.6857	0.5609
159.0	0.6926	0.6093
162.0	0.6926	0.6095
165.0	0.6927	0.6095
168.0	0.7134	0.6233
171.0	0.7203	0.6372
174.0	0.7273	0.6510
177.0	0.7342	0.6579
180.0	0.7341	0.7480

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

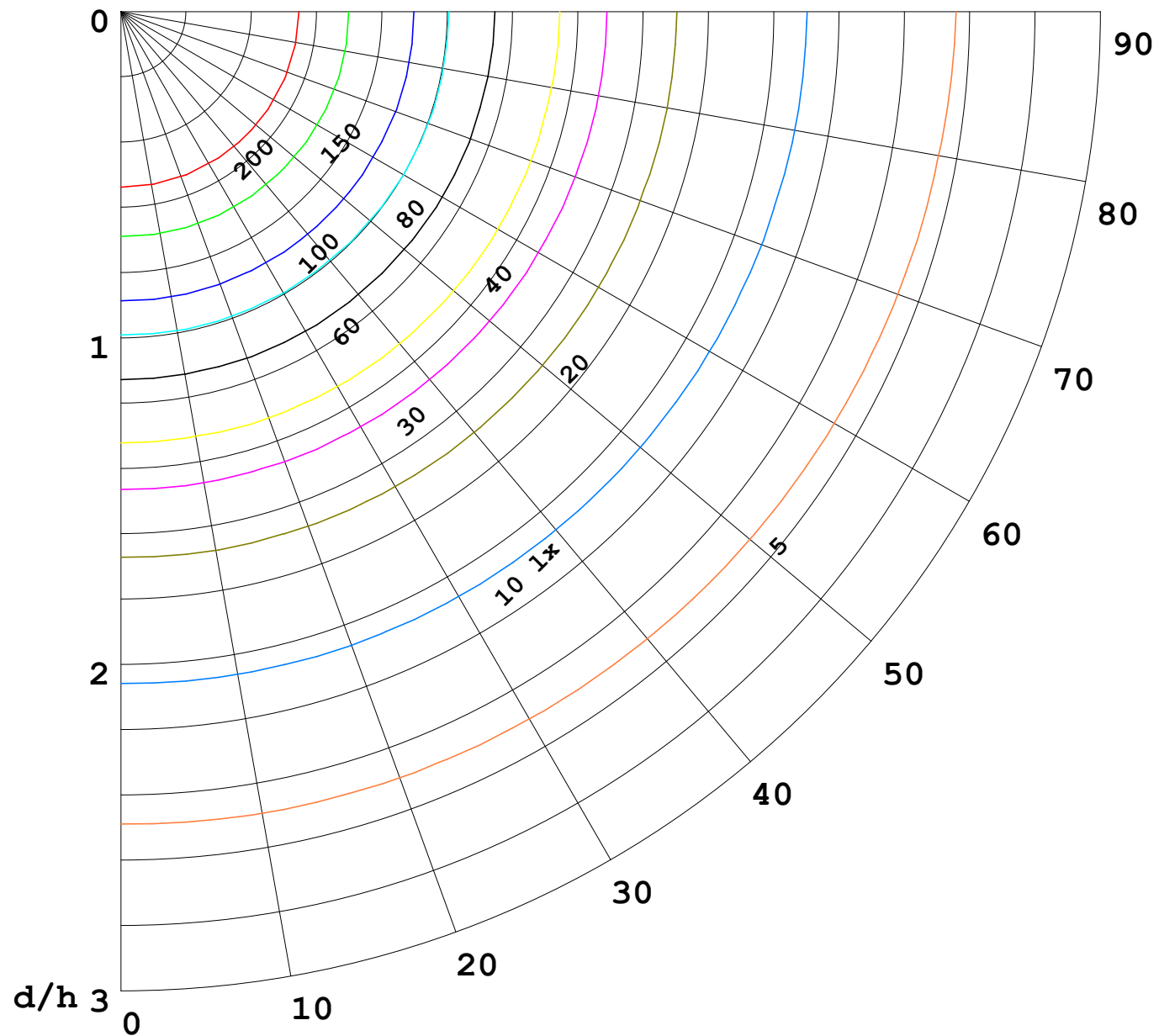
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:10.800m [K=1.0000]
Remarks:

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

