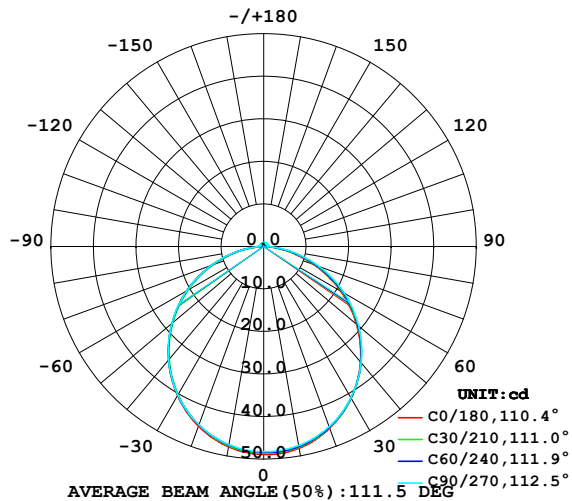


LUMINAIRE PHOTOMETRIC TEST REPORT

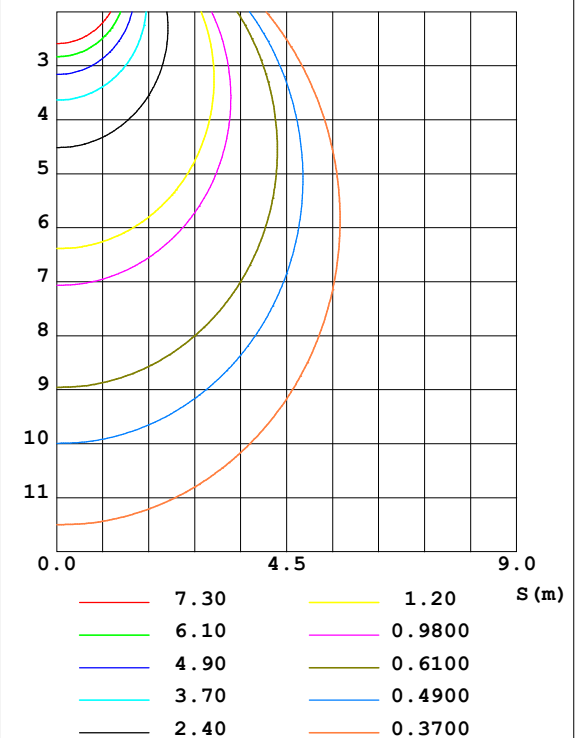
Test:U:24.00V I:0.5105A P:12.25W PF:1.000 Lamp Flux:141.424x1 lm		
NAME: SF15-24V-5050-60-W12-RGB-总	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202303002
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 11.54 lm/W			
MODEL	5050	I _{max} (cd)	48.91	S/MH (C0/180)	1.25
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	141.42	η UP, DN (C0-180)	1.7, 48.9
NOMINAL FLUX (lm)	141.424	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.5, 47.9
LAMPS INSIDE	1	η up (%)	3.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24.0	η down (%)	96.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



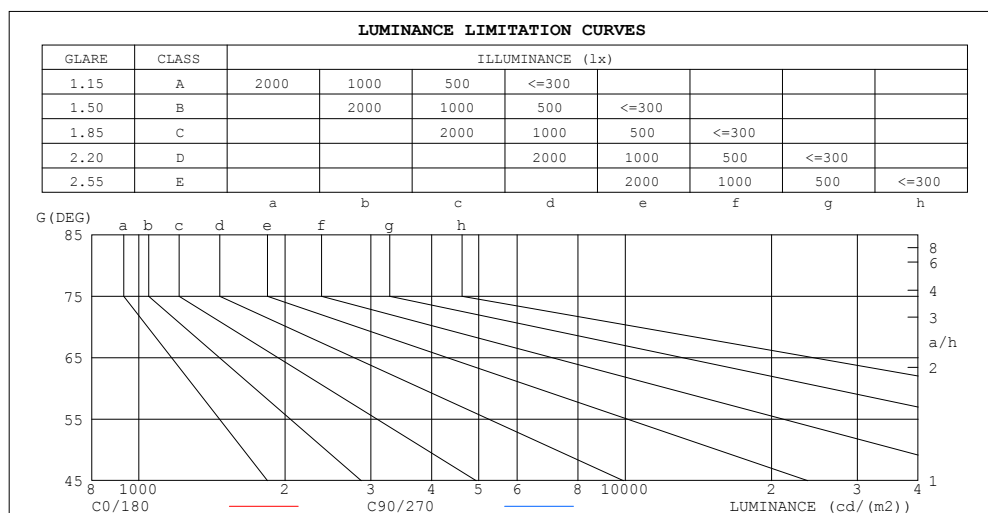
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-03-03

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	48.16	47.82	47.50	47.13	47.83	47.47	47.33	47.15	0- 10	4.577	4.577	3.24,3.24
20	45.47	45.30	45.06	44.53	44.95	44.67	44.62	44.50	10- 20	13.09	17.66	12.5,12.5
30	41.15	41.14	41.05	40.35	40.51	40.31	40.34	40.26	20- 30	19.77	37.43	26.5,26.5
40	35.40	35.58	35.64	34.84	34.81	34.67	34.80	34.68	30- 40	23.74	61.17	43.3,43.3
50	28.50	28.87	29.16	28.33	28.10	28.06	28.24	28.02	40- 50	24.53	85.70	60.6,60.6
60	20.79	21.34	21.83	21.09	20.76	20.70	20.92	20.56	50- 60	22.11	107.8	76.2,76.2
70	12.59	13.24	13.92	13.29	12.88	12.98	13.16	12.60	60- 70	16.87	124.7	88.2,88.2
80	4.814	5.375	6.054	5.469	4.916	5.235	5.706	4.888	70- 80	9.607	134.3	95,95
90	0.5064	0.6446	0.9558	0.7136	0.3111	0.6894	1.316	0.4989	80- 90	2.611	136.9	96.8,96.8
100	0.4433	0.6545	0.9558	0.6892	0.2910	0.6441	1.046	0.5021	90-100	0.7050	137.6	97.3,97.3
110	0.4987	0.6995	0.9558	0.7272	0.3810	0.6510	0.9281	0.5506	100-110	0.6902	138.3	97.8,97.8
120	0.5884	0.7514	0.9558	0.7584	0.4641	0.6891	0.9004	0.5956	110-120	0.6813	139.0	98.3,98.3
130	0.6441	0.7827	0.9142	0.7827	0.5611	0.7134	0.8865	0.6371	120-130	0.6500	139.6	98.7,98.7
140	0.7411	0.8104	0.9073	0.8069	0.6650	0.7618	0.8796	0.7099	130-140	0.5875	140.2	99.1,99.1
150	0.7481	0.8415	0.9073	0.8415	0.7482	0.8034	0.8727	0.7584	140-150	0.5007	140.7	99.5,99.5
160	0.8450	0.8658	0.9073	0.8692	0.8381	0.8449	0.8727	0.8068	150-160	0.3853	141.1	99.8,99.8
170	0.8519	0.8761	0.9073	0.8727	0.9141	0.8657	0.8864	0.8727	160-170	0.2452	141.3	99.9,99.9
180	0.8934	0.8934	0.9073	0.8796	0.9073	0.8796	0.8796	0.8865	170-180	0.0839	141.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	213	312
80	277	349
75	331	382
70	368	407
65	395	424
60	416	437
55	431	446
50	443	454
45	454	460

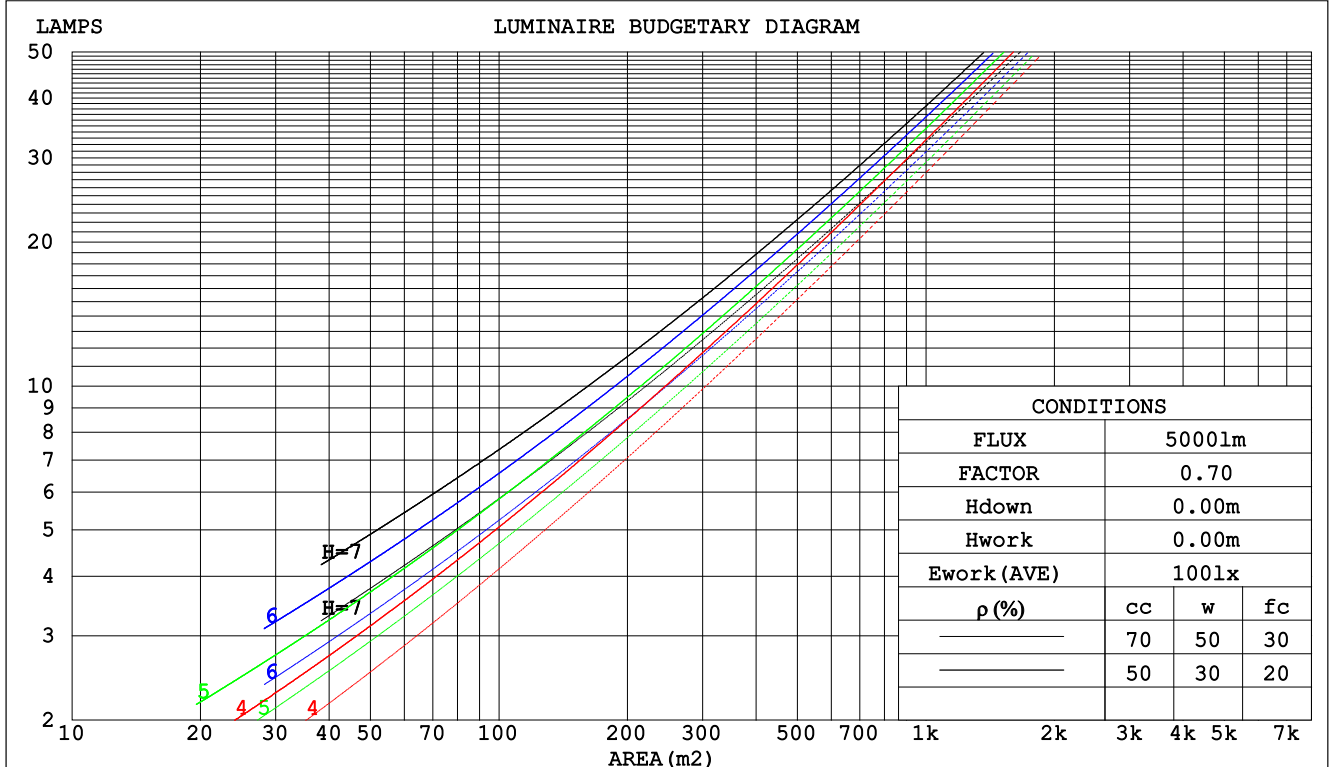
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-03-03

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:24.00V I:0.5105A P:12.25W PF:1.000 Lamp Flux:141.424x1 lm		
NAME: SF15-24V-5050-60-W12-RGB-总	TYPE:硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202303002
MFR.: OLYMPIA	SUR.:1.0*0.0115	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	.86	.87	.85	.83	.81
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.76	.73	.70	.67
3.0	.79	.71	.64	.77	.69	.63	.74	.67	.62	.70	.65	.60	.67	.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	.45	.56	.50	.45	.54	.48	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.36
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.42	.36	.31	.41	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.30	.26	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-03-03

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:24.00V I:0.5105A P:12.25W PF:1.000 Lamp Flux:141.424x1 lm					
NAME: SF15-24V-5050-60-W12-RGB-总			TYPE:硅胶		WEIGHT:
DIM.: 21MM*11.5MM			SPEC.:		SERIAL No.:202303002
MFR.: OLYMPIA			SUR.:1.0*0.0115		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	.308	.175	.056	.300	.171	.054	.285	.164	.052	.271	.156	.050	.259	.150	.048	
2.0	.290	.159	.049	.283	.156	.048	.269	.150	.047	.257	.144	.045	.246	.139	.044	
3.0	.268	.143	.043	.262	.140	.042	.250	.136	.041	.239	.131	.040	.229	.127	.039	
4.0	.248	.129	.038	.242	.127	.037	.231	.123	.037	.222	.119	.036	.212	.115	.035	
5.0	.229	.117	.034	.224	.115	.033	.214	.112	.033	.206	.108	.032	.197	.105	.032	
6.0	.212	.106	.030	.208	.105	.030	.199	.102	.030	.191	.099	.029	.184	.097	.029	
7.0	.198	.098	.028	.194	.096	.027	.186	.094	.027	.179	.092	.027	.172	.089	.026	
8.0	.185	.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	.215	.215	.215	.184	.184	.184	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.205	.181	.159	.175	.155	.137	.120	.107	.095	.069	.062	.055	.022	.020	.018	
2.0	.197	.157	.123	.169	.135	.106	.115	.093	.074	.067	.054	.043	.021	.018	.014	
3.0	.189	.139	.099	.162	.120	.086	.111	.083	.060	.064	.049	.036	.021	.016	.012	
4.0	.181	.126	.084	.156	.109	.073	.107	.076	.051	.062	.044	.030	.020	.014	.010	
5.0	.174	.116	.072	.150	.100	.063	.103	.070	.045	.060	.041	.026	.019	.013	.009	
6.0	.167	.107	.064	.144	.093	.056	.099	.065	.040	.057	.038	.024	.019	.013	.008	
7.0	.160	.100	.059	.138	.087	.051	.095	.061	.036	.055	.036	.022	.018	.012	.007	
8.0	.154	.095	.054	.132	.082	.047	.092	.058	.033	.053	.034	.020	.017	.011	.007	
9.0	.148	.090	.051	.127	.078	.044	.088	.055	.031	.051	.032	.019	.017	.011	.006	
10.0	.142	.086	.048	.122	.074	.042	.085	.052	.030	.050	.031	.018	.016	.010	.006	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-03-03

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:24.00V I:0.5105A P:12.25W PF:1.000 Lamp Flux:141.424x1 lm											
NAME: SF15-24V-5050-60-W12-RGB-总						TYPE:硅胶		WEIGHT:			
DIM.: 21MM*11.5MM						SPEC.:		SERIAL No.:202303002			
MFR.: OLYMPIA						SUR.:1.0*0.0115		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	9.8	11.3	10.1	11.6	11.8	10.0	11.4	10.3	11.7	12.0	
	3H	11.3	12.6	11.6	12.9	13.2	11.5	12.9	11.9	13.2	13.5
	4H	11.8	13.1	12.2	13.4	13.7	12.2	13.5	12.5	13.8	14.1
	6H	12.1	13.4	12.5	13.7	14.0	12.6	13.8	13.0	14.2	14.5
	8H	12.2	13.4	12.6	13.7	14.1	12.8	13.9	13.2	14.3	14.6
	12H	12.3	13.4	12.7	13.7	14.1	12.9	14.0	13.3	14.3	14.7
4H	2H	10.4	11.7	10.8	12.0	12.4	10.5	11.8	10.9	12.1	12.5
	3H	12.1	13.2	12.5	13.5	13.9	12.3	13.4	12.7	13.8	14.1
	4H	12.7	13.7	13.1	14.1	14.5	13.0	14.1	13.5	14.4	14.8
	6H	13.2	14.1	13.6	14.5	14.9	13.6	14.5	14.1	14.9	15.4
	8H	13.3	14.2	13.8	14.6	15.0	13.8	14.7	14.3	15.1	15.5
	12H	13.4	14.2	13.9	14.6	15.1	14.0	14.7	14.4	15.2	15.7
8H	4H	13.0	13.8	13.4	14.3	14.7	13.3	14.1	13.7	14.5	15.0
	6H	13.6	14.3	14.1	14.7	15.2	14.0	14.7	14.5	15.2	15.6
	8H	13.8	14.4	14.3	14.9	15.4	14.3	14.9	14.8	15.4	15.9
	12H	13.9	14.4	14.4	15.0	15.5	14.5	15.0	15.0	15.5	16.1
12H	4H	13.0	13.8	13.5	14.2	14.7	13.3	14.0	13.7	14.5	15.0
	6H	13.6	14.3	14.1	14.7	15.3	14.0	14.6	14.5	15.1	15.6
	8H	13.9	14.4	14.4	14.9	15.5	14.3	14.9	14.9	15.4	15.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 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 141.4 lm Total Lamp Luminous Flux. (8log(F/F0) = -6.8)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WFW
 Test Date:2023-03-03

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:24.00V I:0.5105A P:12.25W PF:1.000 Lamp Flux:141.424x1 lm		
NAME: SF15-24V-5050-60-W12-RGB-总	TYPE:硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202303002
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

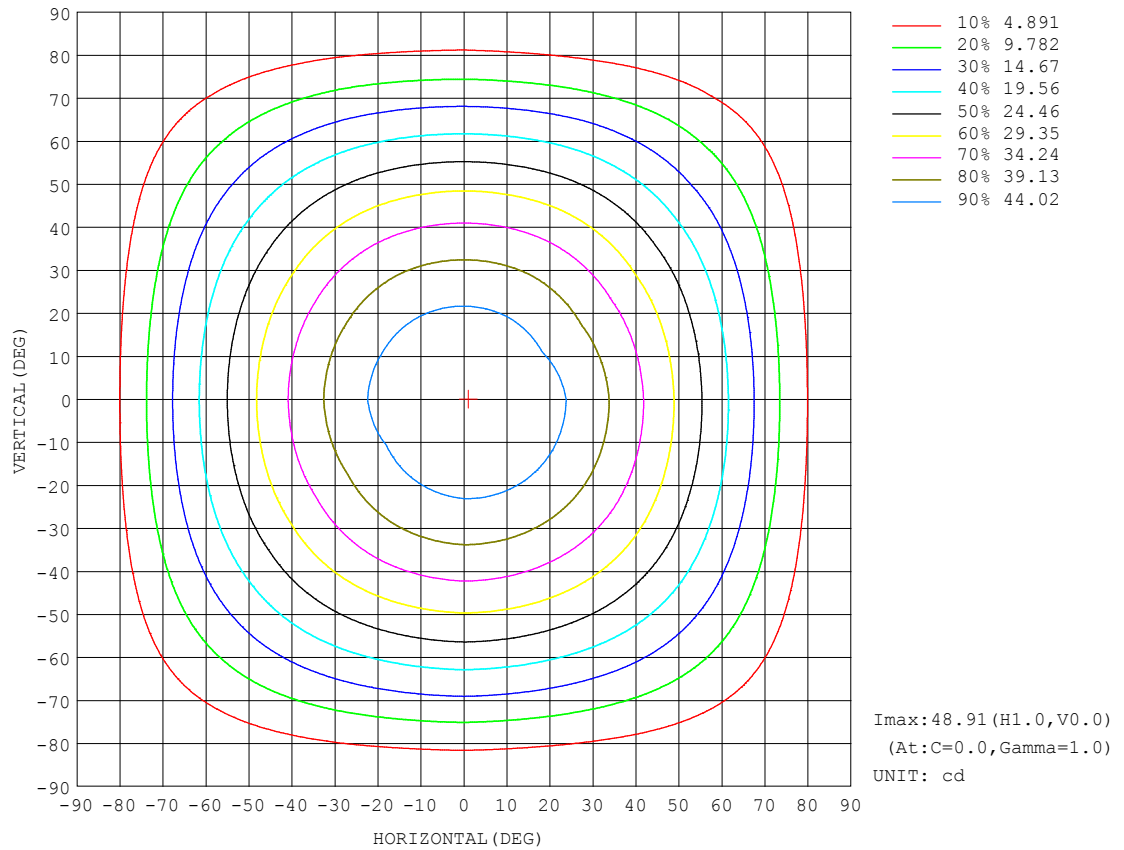
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	54	44	38	31
0.80	67	55	48	65	54	47	63	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	80	71	64	77	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	91	85	81	72
3.00	101	94	89	99	93	87	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	96	93	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:2023-03-03

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:24.00V I:0.5105A P:12.25W PF:1.000 Lamp Flux:141.424x1 lm		
NAME: SF15-24V-5050-60-W12-RGB-总	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202303002
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

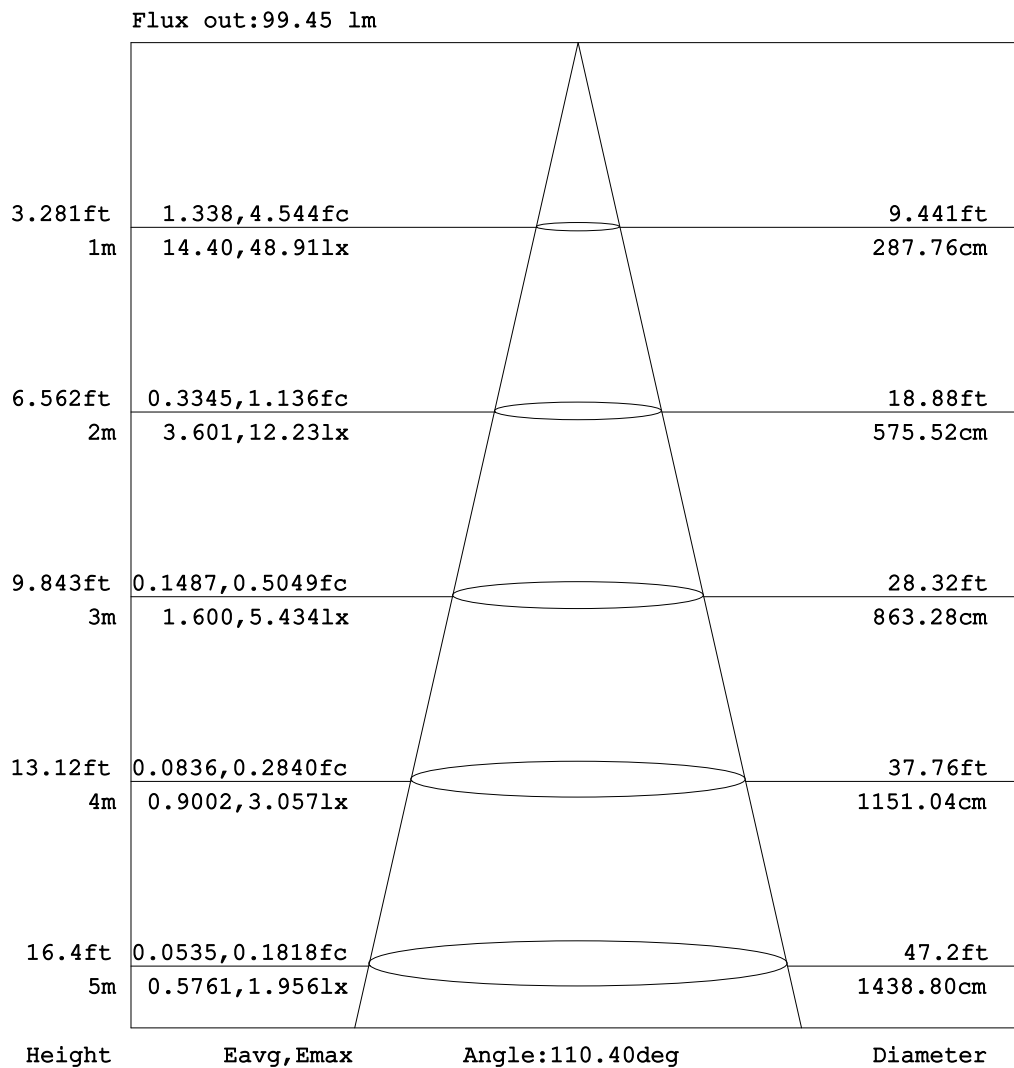


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: WFW
Test Date: 2023-03-03

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:24.00V I:0.5105A P:12.25W PF:1.000 Lamp Flux:141.424x1 lm		
NAME: SF15-24V-5050-60-W12-RGB-总	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202303002
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



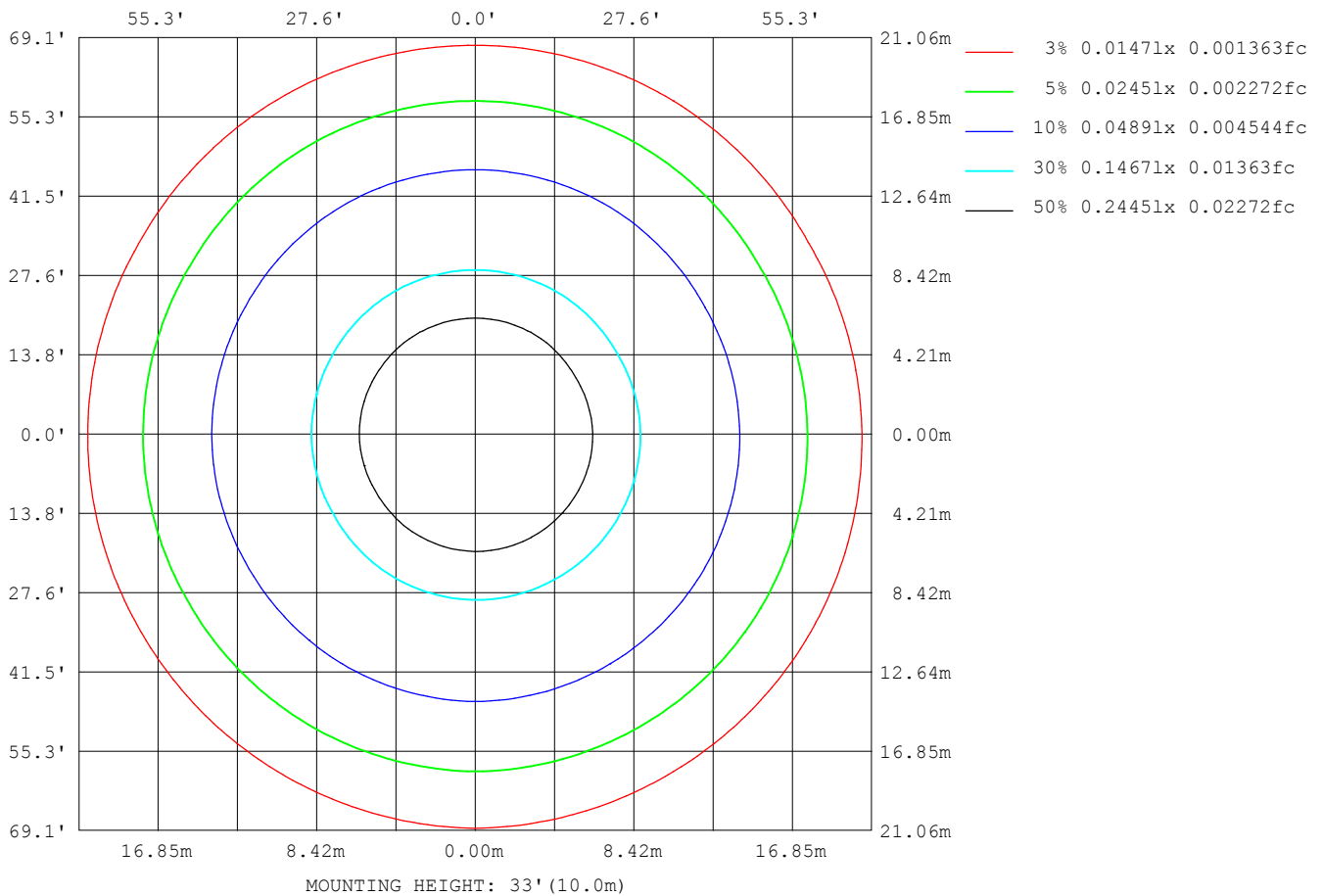
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: WFW
Test Date: 2023-03-03

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

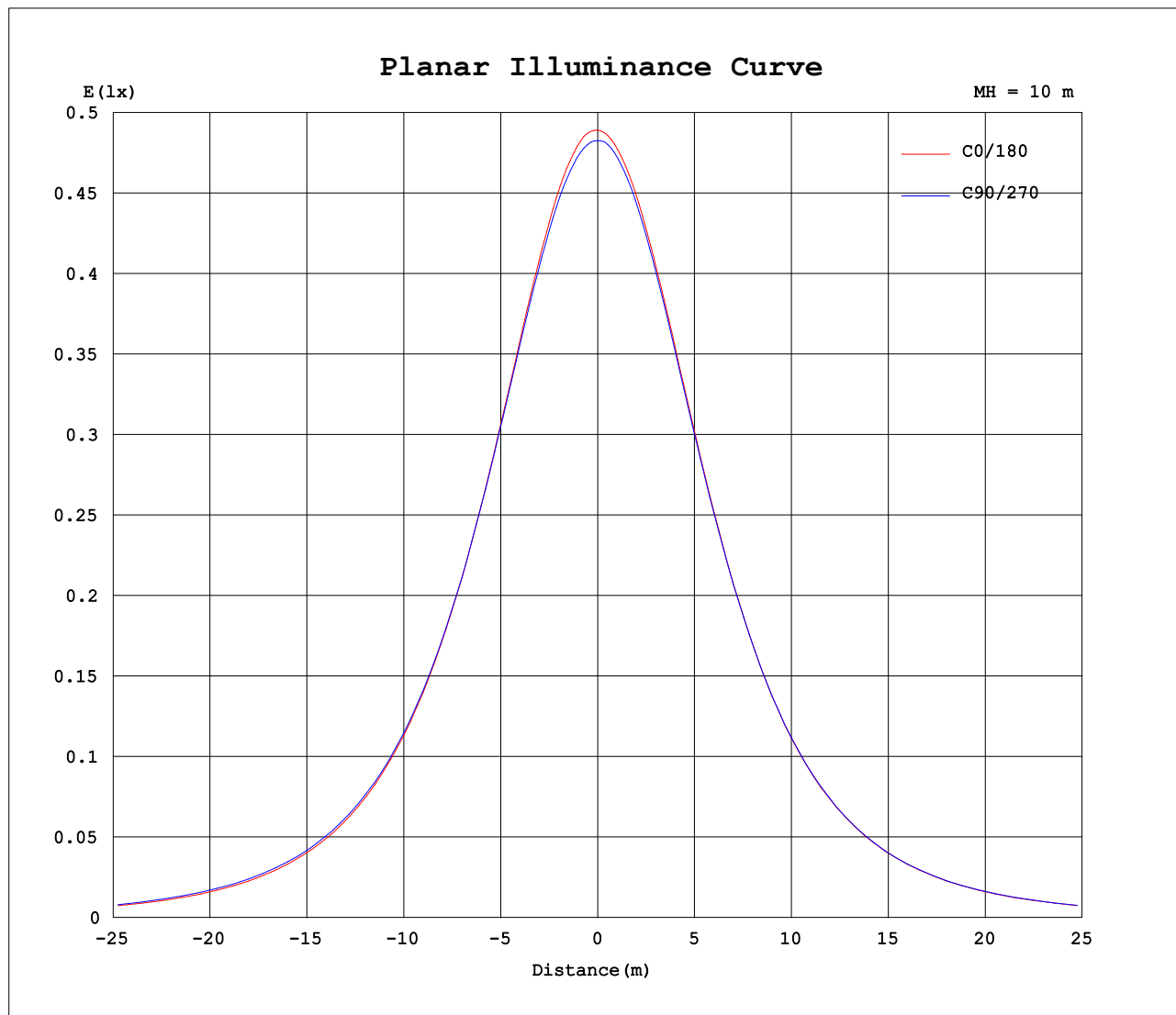
Test:U:24.00V I:0.5105A P:12.25W PF:1.000 Lamp Flux:141.424x1 lm		
NAME: SF15-24V-5050-60-W12-RGB-总	TYPE:硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202303002
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-03-03

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: 2023-03-03

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:24.00V I:0.5105A P:12.25W PF:1.000 Lamp Flux:141.424x1 lm		
NAME: SF15-24V-5050-60-W12-RGB-总	TYPE:硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202303002
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	48.9	48.6	48.4	48.3	48.1	47.9	48.9	48.6	48.4	48.3	48.1	47.9						
5	48.8	48.5	48.3	48.1	47.9	47.7	48.6	48.4	48.1	48.1	47.8	47.8						
10	48.2	47.9	47.7	47.5	47.3	47.0	47.8	47.6	47.4	47.3	47.2	47.1						
15	47.0	46.9	46.7	46.5	46.2	45.9	46.6	46.3	46.2	46.2	46.1	46.0						
20	45.5	45.4	45.2	45.1	44.7	44.3	45.0	44.7	44.6	44.6	44.6	44.4						
25	43.5	43.5	43.4	43.3	42.9	42.4	42.9	42.6	42.7	42.7	42.6	42.5						
30	41.1	41.2	41.1	41.1	40.6	40.1	40.5	40.3	40.4	40.3	40.4	40.2						
35	38.4	38.5	38.5	38.5	38.0	37.4	37.8	37.5	37.7	37.7	37.7	37.5						
40	35.4	35.6	35.6	35.6	35.2	34.5	34.8	34.6	34.8	34.8	34.8	34.5						
45	32.1	32.3	32.4	32.5	32.0	31.4	31.5	31.4	31.6	31.6	31.6	31.4						
50	28.5	28.8	28.9	29.2	28.6	28.0	28.1	27.9	28.2	28.2	28.2	27.9						
55	24.7	25.1	25.3	25.6	25.1	24.4	24.5	24.3	24.6	24.6	24.6	24.2						
60	20.8	21.2	21.5	21.8	21.3	20.8	20.8	20.5	20.9	20.9	20.8	20.4						
65	16.7	17.2	17.5	17.9	17.5	17.0	16.9	16.8	17.0	17.1	16.9	16.4						
70	12.6	13.1	13.4	13.9	13.5	13.1	12.9	12.8	13.2	13.2	12.9	12.3						
75	8.56	9.00	9.40	9.89	9.57	9.09	8.83	8.84	9.26	9.27	8.89	8.35						
80	4.81	5.18	5.57	6.05	5.74	5.20	4.92	4.99	5.48	5.71	5.12	4.65						
85	1.86	2.09	2.35	2.72	2.38	1.93	1.66	1.78	2.16	2.61	2.00	1.72						
90	0.51	0.49	0.80	0.96	0.89	0.53	0.31	0.57	0.81	1.32	0.62	0.37						
95	0.44	0.51	0.77	0.96	0.84	0.50	0.26	0.48	0.81	1.15	0.64	0.33						
100	0.44	0.54	0.77	0.96	0.84	0.53	0.29	0.48	0.81	1.05	0.68	0.33						
105	0.45	0.57	0.77	0.96	0.84	0.57	0.34	0.48	0.81	0.96	0.69	0.33						
110	0.50	0.61	0.79	0.96	0.85	0.60	0.38	0.49	0.81	0.93	0.71	0.39						
115	0.53	0.64	0.82	0.96	0.85	0.63	0.42	0.52	0.82	0.91	0.73	0.43						
120	0.59	0.67	0.83	0.96	0.85	0.66	0.46	0.56	0.82	0.90	0.73	0.46						
125	0.61	0.70	0.84	0.92	0.85	0.70	0.51	0.61	0.82	0.89	0.75	0.50						
130	0.64	0.72	0.84	0.91	0.85	0.71	0.56	0.61	0.82	0.89	0.77	0.51						
135	0.71	0.75	0.85	0.91	0.85	0.74	0.61	0.64	0.84	0.89	0.78	0.55						
140	0.74	0.77	0.85	0.91	0.85	0.76	0.66	0.66	0.86	0.88	0.80	0.62						
145	0.74	0.80	0.85	0.91	0.85	0.80	0.71	0.72	0.87	0.87	0.82	0.64						
150	0.75	0.83	0.85	0.91	0.85	0.83	0.75	0.73	0.88	0.87	0.84	0.68						
155	0.79	0.86	0.87	0.91	0.85	0.86	0.79	0.75	0.89	0.87	0.86	0.72						
160	0.84	0.87	0.86	0.91	0.85	0.89	0.84	0.80	0.89	0.87	0.87	0.74						
165	0.84	0.89	0.86	0.91	0.85	0.89	0.87	0.84	0.89	0.87	0.88	0.78						
170	0.85	0.89	0.86	0.91	0.86	0.89	0.91	0.84	0.89	0.89	0.90	0.84						
175	0.86	0.89	0.87	0.91	0.86	0.88	0.91	0.87	0.89	0.88	0.90	0.84						
180	0.89	0.89	0.89	0.91	0.88	0.88	0.91	0.87	0.89	0.88	0.91	0.87						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-03-03

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	48.91	48.63	48.40	48.26	48.08	47.92	48.91	48.63	48.40	48.26
3.0	48.91	48.61	48.42	48.20	48.09	47.83	48.79	48.54	48.29	48.21
6.0	48.71	48.42	48.26	48.00	47.83	47.58	48.47	48.25	48.02	47.93
9.0	48.32	48.06	47.89	47.65	47.44	47.17	48.01	47.76	47.56	47.50
12.0	47.76	47.55	47.37	47.15	46.89	46.61	47.40	47.10	46.97	46.90
15.0	47.03	46.85	46.70	46.49	46.20	45.86	46.61	46.34	46.22	46.18
18.0	46.14	46.00	45.87	45.71	45.36	44.98	45.66	45.38	45.33	45.28
21.0	45.10	45.01	44.89	44.75	44.38	43.98	44.59	44.31	44.29	44.25
24.0	43.92	43.86	43.78	43.68	43.24	42.79	43.36	43.08	43.12	43.10
27.0	42.61	42.58	42.52	42.43	42.00	41.49	41.99	41.75	41.79	41.77
30.0	41.15	41.16	41.12	41.05	40.62	40.08	40.51	40.26	40.37	40.34
33.0	39.55	39.62	39.59	39.58	39.10	38.52	38.92	38.64	38.81	38.82
36.0	37.84	37.94	37.95	37.94	37.49	36.86	37.23	36.98	37.16	37.17
39.0	36.03	36.20	36.20	36.21	35.76	35.14	35.42	35.16	35.39	35.42
42.0	34.10	34.29	34.33	34.42	33.92	33.29	33.54	33.30	33.53	33.60
45.0	32.07	32.31	32.39	32.50	32.01	31.44	31.55	31.37	31.57	31.65
48.0	29.98	30.27	30.36	30.49	30.02	29.39	29.52	29.25	29.56	29.61
51.0	27.76	28.08	28.23	28.43	27.93	27.36	27.40	27.18	27.47	27.50
54.0	25.50	25.85	26.04	26.30	25.78	25.19	25.23	25.00	25.32	25.42
57.0	23.17	23.56	23.76	24.05	23.57	23.08	23.04	22.78	23.13	23.10
60.0	20.79	21.20	21.47	21.83	21.33	20.85	20.76	20.53	20.87	20.92
63.0	18.35	18.78	19.10	19.50	19.02	18.53	18.45	18.31	18.58	18.55
66.0	15.90	16.33	16.67	17.09	16.67	16.25	16.09	16.00	16.27	16.28
69.0	13.42	13.87	14.25	14.75	14.32	13.86	13.67	13.58	13.95	14.00
72.0	10.96	11.40	11.83	12.32	11.95	11.43	11.23	11.22	11.60	11.58
75.0	8.556	8.998	9.401	9.892	9.574	9.095	8.829	8.838	9.259	9.274
78.0	6.235	6.636	7.052	7.577	7.246	6.719	6.453	6.448	6.987	7.112
81.0	4.128	4.475	4.856	5.341	5.015	4.461	4.189	4.258	4.771	4.999
84.0	2.341	2.606	2.903	3.298	2.972	2.474	2.182	2.298	2.756	3.150
87.0	1.009	1.168	1.446	1.708	1.446	1.071	0.8423	1.000	1.272	1.790
90.0	0.5064	0.4917	0.7974	0.9558	0.8942	0.5329	0.3111	0.5685	0.8103	1.316
93.0	0.4433	0.4987	0.7688	0.9558	0.8450	0.4917	0.2493	0.4918	0.8103	1.219
96.0	0.4433	0.5194	0.7688	0.9558	0.8450	0.5125	0.2564	0.4779	0.8103	1.129
99.0	0.4433	0.5333	0.7688	0.9558	0.8450	0.5195	0.2909	0.4779	0.8103	1.074
102.0	0.4433	0.5473	0.7688	0.9558	0.8450	0.5541	0.3117	0.4779	0.8103	1.004
105.0	0.4501	0.5749	0.7688	0.9558	0.8450	0.5749	0.3394	0.4848	0.8103	0.9627
108.0	0.5054	0.5889	0.7688	0.9558	0.8518	0.5818	0.3533	0.4917	0.8103	0.9351
111.0	0.4987	0.6095	0.8101	0.9558	0.8519	0.6095	0.3878	0.4986	0.8103	0.9349
114.0	0.5194	0.6235	0.8172	0.9558	0.8519	0.6303	0.4155	0.5125	0.8172	0.9143
117.0	0.5470	0.6580	0.8241	0.9558	0.8519	0.6510	0.4365	0.5332	0.8172	0.9073
120.0	0.5884	0.6719	0.8310	0.9558	0.8519	0.6649	0.4641	0.5609	0.8172	0.9004
123.0	0.6095	0.6857	0.8380	0.9418	0.8519	0.6788	0.4919	0.6025	0.8172	0.9004
126.0	0.6095	0.6996	0.8380	0.9211	0.8519	0.6926	0.5264	0.6095	0.8172	0.8865
129.0	0.6442	0.7271	0.8450	0.9142	0.8519	0.6996	0.5473	0.6095	0.8172	0.8865
132.0	0.6441	0.7342	0.8450	0.9142	0.8519	0.7273	0.5750	0.6232	0.8174	0.8865
135.0	0.7128	0.7480	0.8519	0.9073	0.8519	0.7411	0.6095	0.6372	0.8380	0.8865
138.0	0.7411	0.7550	0.8519	0.9073	0.8519	0.7618	0.6373	0.6579	0.8450	0.8796
141.0	0.7411	0.7895	0.8519	0.9073	0.8519	0.7758	0.6718	0.6992	0.8519	0.8864
144.0	0.7411	0.8033	0.8519	0.9073	0.8519	0.7897	0.6927	0.7202	0.8589	0.8727
147.0	0.7411	0.8104	0.8519	0.9073	0.8519	0.8035	0.7273	0.7203	0.8658	0.8727
150.0	0.7481	0.8311	0.8519	0.9073	0.8519	0.8311	0.7482	0.7272	0.8796	0.8727
153.0	0.7755	0.8381	0.8519	0.9073	0.8519	0.8382	0.7759	0.7480	0.8865	0.8727
156.0	0.8032	0.8589	0.8589	0.9073	0.8519	0.8519	0.8035	0.7618	0.8865	0.8727
159.0	0.8449	0.8727	0.8588	0.9073	0.8519	0.8796	0.8312	0.7963	0.8865	0.8727
162.0	0.8450	0.8934	0.8588	0.9073	0.8519	0.8865	0.8520	0.8240	0.8865	0.8727
165.0	0.8450	0.8934	0.8588	0.9073	0.8519	0.8865	0.8728	0.8450	0.8865	0.8727
168.0	0.8519	0.8934	0.8588	0.9073	0.8588	0.8865	0.9004	0.8450	0.8865	0.8727
171.0	0.8587	0.8934	0.8588	0.9073	0.8588	0.8865	0.9073	0.8450	0.8865	0.8796
174.0	0.8588	0.8934	0.8657	0.9073	0.8588	0.8796	0.9073	0.8450	0.8865	0.8796
177.0	0.8656	0.8934	0.8794	0.9073	0.8588	0.8796	0.9073	0.8727	0.8865	0.8796
180.0	0.8934	0.8934	0.8934	0.9073	0.8796	0.8796	0.9073	0.8727	0.8865	0.8796
G/C	300.0	330.0								
0.0	48.08	47.92								
3.0	48.00	47.93								
6.0	47.75	47.69								
9.0	47.36	47.29								
12.0	46.80	46.72								
15.0	46.07	45.98								
18.0	45.21	45.12								
21.0	44.22	44.07								
24.0	43.05	42.91								
27.0	41.76	41.59								
30.0	40.37	40.15								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: WFW
 Test Date: 2023-03-03

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:

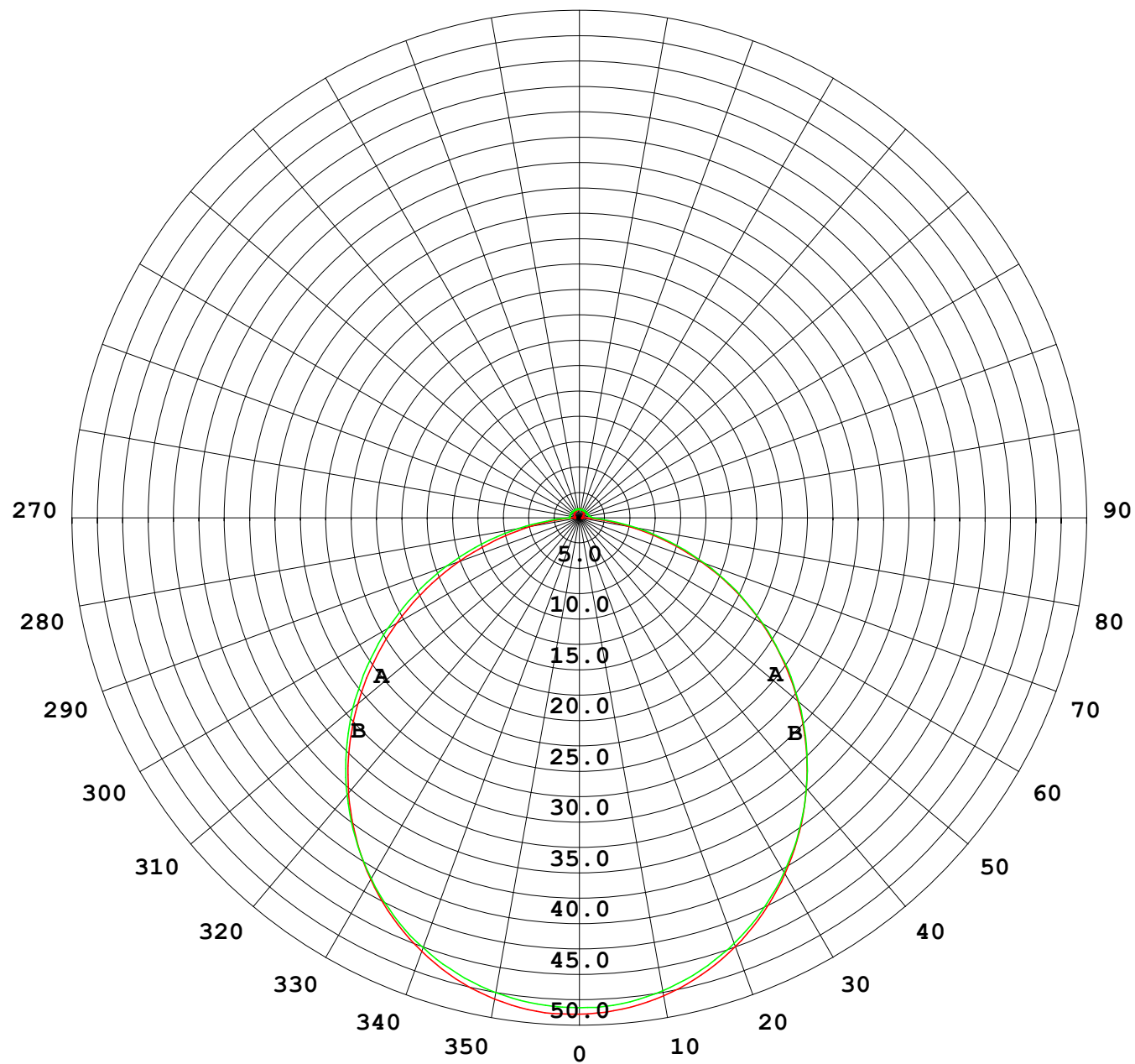
Photometric Data Table [cd]

33.0	38.82	38.60
36.0	37.17	36.95
39.0	35.40	35.17
42.0	33.55	33.31
45.0	31.60	31.35
48.0	29.57	29.23
51.0	27.45	27.09
54.0	25.28	24.92
57.0	23.05	22.59
60.0	20.76	20.35
63.0	18.45	17.92
66.0	16.05	15.54
69.0	13.71	13.17
72.0	11.25	10.76
75.0	8.885	8.353
78.0	6.592	6.053
81.0	4.432	4.036
84.0	2.528	2.194
87.0	1.126	0.8972
90.0	0.6233	0.3746
93.0	0.6304	0.3256
96.0	0.6511	0.3255
99.0	0.6650	0.3255
102.0	0.6857	0.3255
105.0	0.6927	0.3255
108.0	0.7064	0.3946
111.0	0.7064	0.3948
114.0	0.7135	0.4085
117.0	0.7273	0.4364
120.0	0.7342	0.4570
123.0	0.7411	0.4917
126.0	0.7480	0.4987
129.0	0.7688	0.4987
132.0	0.7825	0.5264
135.0	0.7827	0.5471
138.0	0.8034	0.6162
141.0	0.8035	0.6164
144.0	0.8173	0.6233
147.0	0.8311	0.6509
150.0	0.8381	0.6786
153.0	0.8520	0.7133
156.0	0.8726	0.7203
159.0	0.8727	0.7340
162.0	0.8728	0.7549
165.0	0.8797	0.7824
168.0	0.9003	0.8379
171.0	0.9004	0.8450
174.0	0.9004	0.8450
177.0	0.9073	0.8450
180.0	0.9073	0.8657

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-03-03

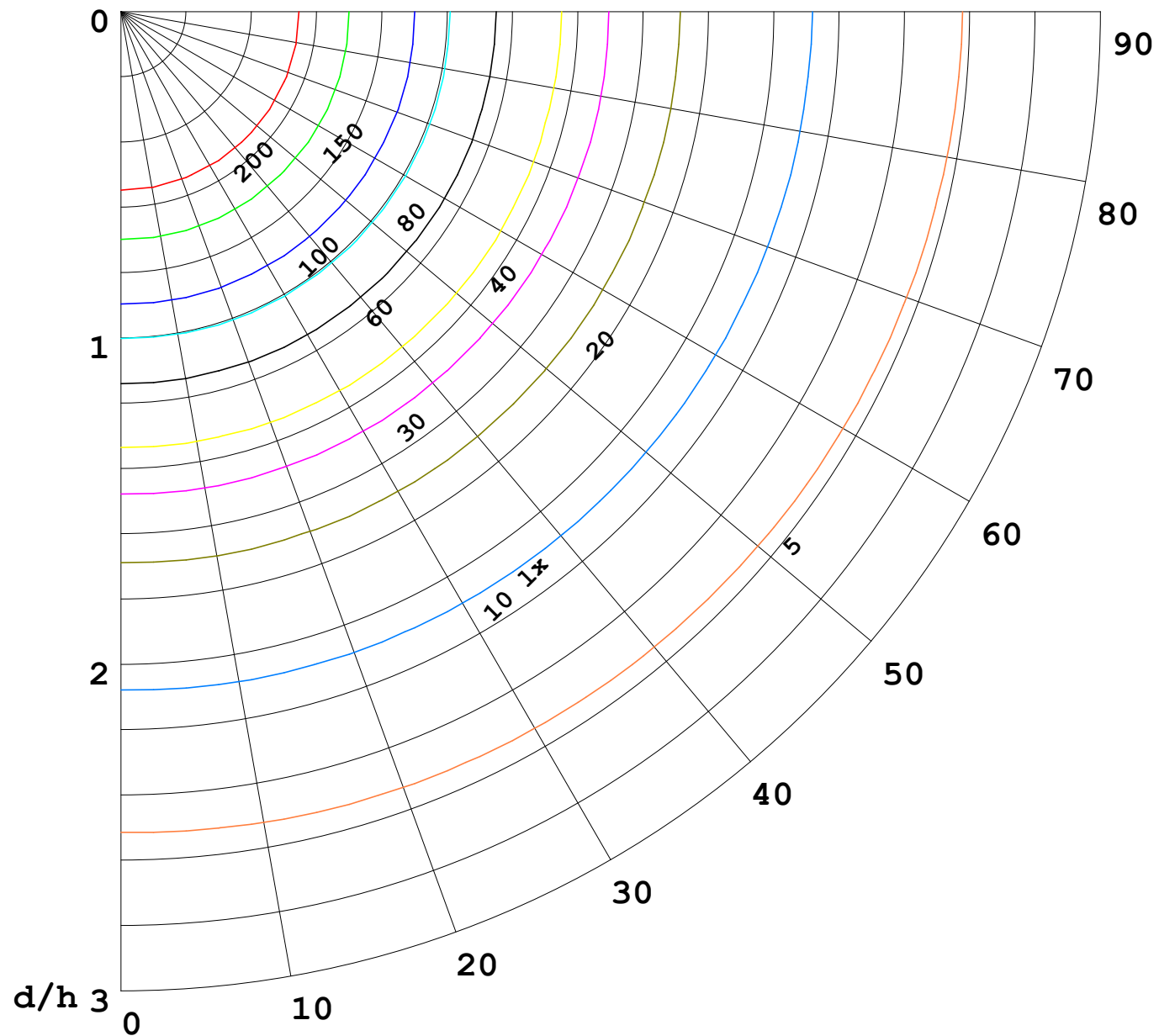
√ Range: 0 - 180DEG
√ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:10.800m [K=1.0000]
Remarks:

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

