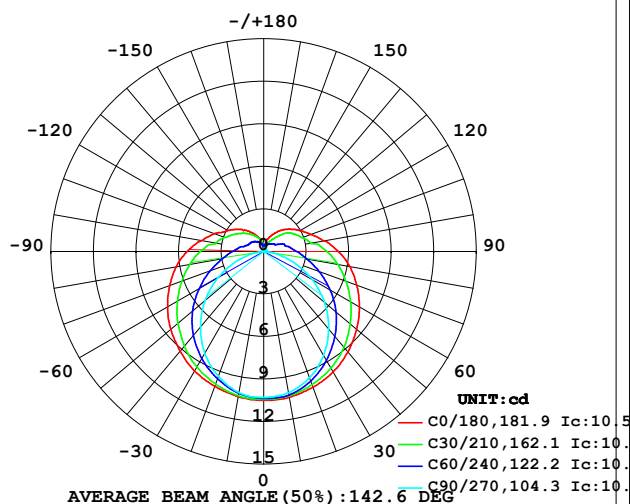


LUMINAIRE PHOTOMETRIC TEST REPORT

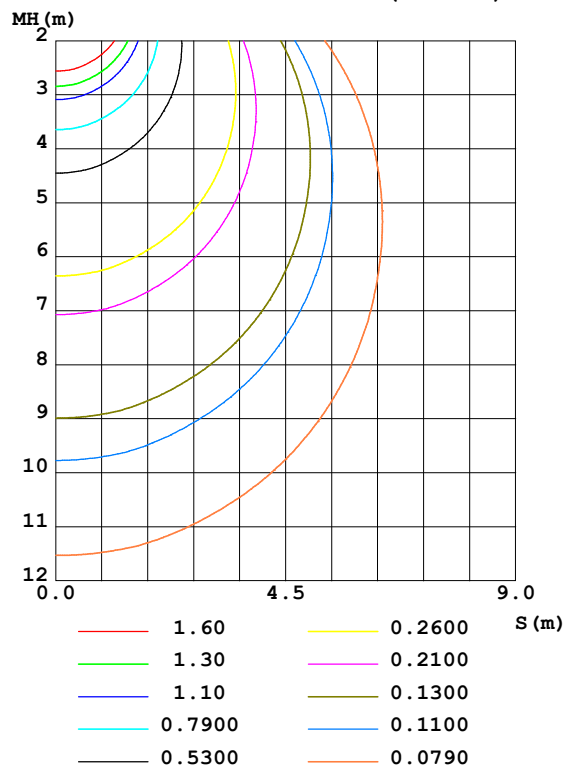
Test:U:24.00V I:0.2120A P:5.088W PF:1.000 Freq:50.00Hz Lamp Flux:50.0963x1 lm		
NAME: SF21-24V-5050-72-RGB-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121001
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 9.85 lm/W
MODEL	5050	I _{max} (cd)	10.50	S/MH (C0/180)	1.40	
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.21	
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	50.096	η UP, DN (C0-180)	10.7, 39.2	
NOMINAL FLUX (lm)	50.0963	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	10.9, 39.2	
LAMPS INSIDE	1	η up (%)	21.6	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	24	η down (%)	78.4	CIBSE SHR MAX	1.55	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	10.45	10.31	10.12	10.04	10.40	10.25	10.11	10.13	0- 10	0.9814	0.9814	1.96,1.96
20	10.19	9.863	9.473	9.574	10.12	9.752	9.364	9.644	10- 20	2.826	3.807	7.6,7.6
30	9.811	9.175	8.467	8.906	9.754	9.079	8.304	8.963	20- 30	4.345	8.152	16.3,16.3
40	9.253	8.318	7.140	8.036	9.171	8.217	6.942	8.159	30- 40	5.403	13.56	27.1,27.1
50	8.565	7.323	5.622	7.052	8.558	7.224	5.399	7.239	40- 50	5.924	19.48	38.9,38.9
60	7.801	6.245	3.944	5.978	7.829	6.139	3.730	6.204	50- 60	5.910	25.39	50.7,50.7
70	6.992	5.172	2.210	4.941	7.055	5.093	2.017	5.166	60- 70	5.427	30.82	61.5,61.5
80	6.167	4.207	0.6673	4.008	6.266	4.126	0.5588	4.229	70- 80	4.645	35.46	70.8,70.8
90	5.273	3.397	0.1256	3.234	5.402	3.340	0.0704	3.425	80- 90	3.807	39.27	78.4,78.4
100	4.314	2.606	0.1357	2.525	4.447	2.581	0.0704	2.624	90-100	3.091	42.36	84.6,84.6
110	3.559	2.221	0.1524	2.060	3.698	2.098	0.0704	2.160	100-110	2.376	44.74	89.3,89.3
120	2.961	1.722	0.1625	1.714	2.960	1.787	0.0704	1.741	110-120	1.829	46.56	93,93
130	2.463	1.440	0.1775	1.465	2.447	1.530	0.0905	1.493	120-130	1.394	47.96	95.7,95.7
140	1.971	1.005	0.1900	1.216	1.954	1.284	0.1406	1.015	130-140	0.9798	48.94	97.7,97.7
150	1.458	0.6910	0.2061	0.9726	1.492	1.053	0.1407	0.7638	140-150	0.6166	49.55	98.9,98.9
160	0.9906	0.5605	0.2128	0.7111	1.045	0.8041	0.1501	0.5849	150-160	0.3487	49.90	99.6,99.6
170	0.4525	0.4599	0.2148	0.4448	0.4068	0.5478	0.1604	0.5051	160-170	0.1580	50.06	99.9,99.9
180	0.2211	0.2186	0.2161	0.2136	0.2161	0.2211	0.1759	0.2111	170-180	0.0348	50.10	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 16.486 lm

%lum = 32.9%

%lamp = 32.9%

Conical surface Flux(120deg): 25.389 lm

%lum = 50.7%

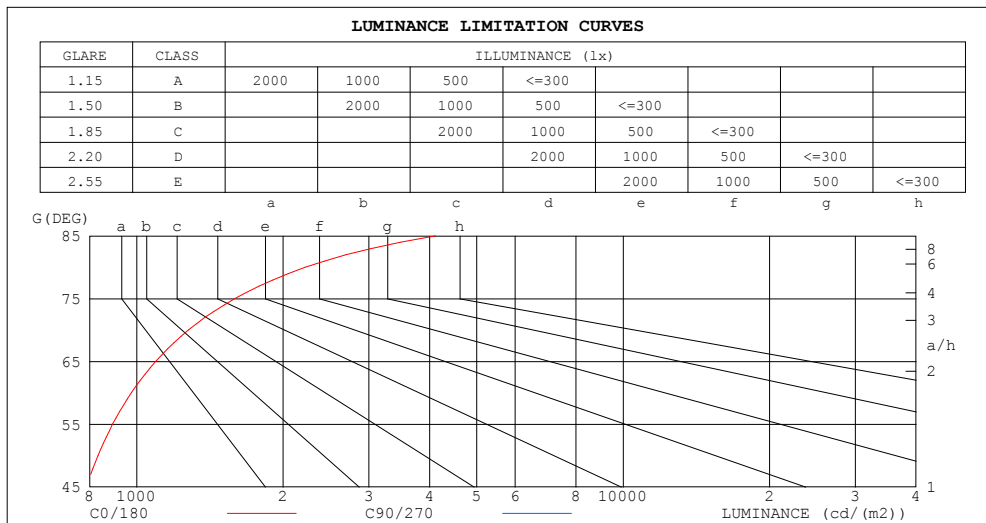
%lamp = 50.7%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.2120A P:5.088W PF:1.000 Freq:50.00Hz Lamp Flux:50.0963x1 lm		
NAME: SF21-24V-5050-72-RGB-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121001
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4113	108
80	2220	240
75	1591	338
70	1278	404
65	1093	456
60	975	493
55	892	522
50	833	547
45	787	566

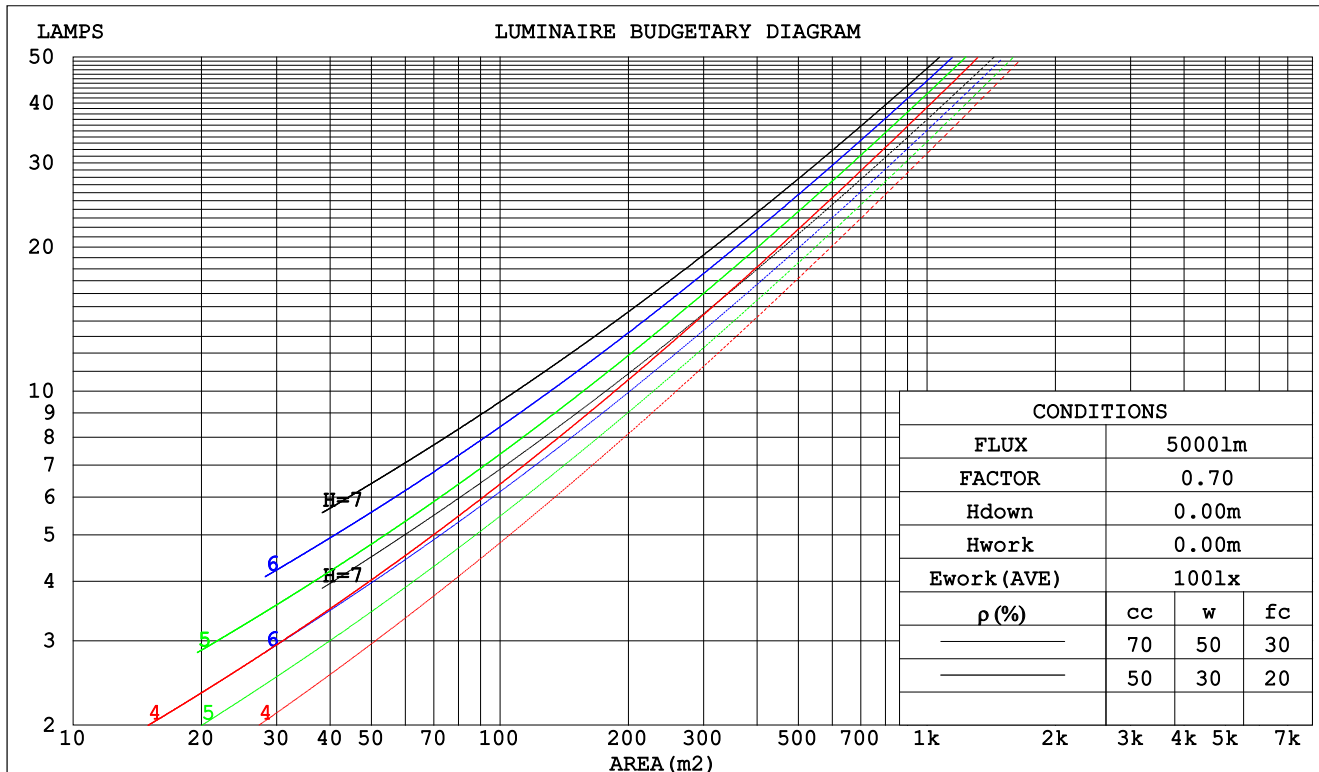
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.2120A P:5.088W PF:1.000 Freq:50.00Hz Lamp Flux:50.0963x1 lm		
NAME: SF21-24V-5050-72-RGB-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121001
MFR.: OLYMPIA	SUR.:1*0.016	Shielding 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	1.14	1.14	1.14	1.09	1.09	1.09	.99	.99	.99	.90	.90	.90	.82	.82	.82	.78
1.0	.95	.89	.85	.90	.86	.81	.82	.78	.75	.74	.71	.68	.67	.65	.63	.59
2.0	.81	.73	.67	.77	.70	.64	.70	.64	.59	.63	.59	.55	.57	.54	.50	.47
3.0	.70	.61	.54	.67	.59	.52	.61	.54	.49	.55	.50	.45	.50	.45	.42	.38
4.0	.62	.52	.45	.59	.50	.44	.54	.46	.41	.49	.43	.38	.44	.39	.35	.32
5.0	.55	.45	.38	.52	.44	.37	.48	.40	.35	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.40	.33	.47	.38	.32	.43	.35	.30	.39	.33	.28	.36	.30	.26	.24
7.0	.44	.35	.29	.42	.34	.28	.39	.32	.26	.35	.29	.25	.32	.27	.23	.21
8.0	.40	.31	.25	.38	.30	.25	.35	.28	.23	.32	.26	.22	.30	.24	.20	.18
9.0	.37	.28	.23	.35	.27	.22	.32	.26	.21	.30	.24	.20	.27	.22	.18	.16
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.19	.28	.22	.18	.25	.20	.17	.15



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:24.00V I:0.2120A P:5.088W PF:1.000 Freq:50.00Hz Lamp Flux:50.0963x1 lm		
NAME: SF21-24V-5050-72-RGB-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121001
MFR.: OLYMPIA	SUR.:1*0.016	Shielding 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	.385	.219	.069	.371	.212	.067	.345	.198	.063	.322	.186	.060	.300	.174	.056		
2.0	.332	.182	.056	.320	.176	.054	.296	.165	.051	.275	.154	.048	.255	.144	.045		
3.0	.295	.157	.047	.283	.152	.046	.262	.142	.043	.243	.133	.041	.224	.124	.038		
4.0	.265	.138	.040	.255	.133	.039	.236	.125	.037	.218	.117	.035	.201	.109	.033		
5.0	.241	.123	.036	.232	.119	.035	.214	.111	.033	.198	.104	.031	.182	.097	.029		
6.0	.221	.111	.032	.212	.107	.031	.196	.101	.029	.181	.094	.028	.167	.088	.026		
7.0	.203	.101	.029	.196	.098	.028	.181	.092	.026	.167	.086	.025	.154	.080	.024		
8.0	.189	.092	.026	.182	.089	.025	.168	.084	.024	.155	.079	.023	.143	.074	.021		
9.0	.176	.085	.024	.169	.083	.023	.157	.078	.022	.145	.073	.021	.134	.068	.020		
10.0	.165	.079	.022	.159	.077	.021	.147	.072	.020	.136	.068	.019	.126	.063	.018		

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	.355	.355	.355	.304	.304	.304	.207	.207	.207	.119	.119	.119	.038	.038	.038		
1.0	.352	.322	.294	.301	.276	.253	.206	.190	.175	.118	.110	.102	.038	.035	.033		
2.0	.345	.299	.260	.295	.257	.225	.202	.178	.157	.117	.104	.092	.037	.033	.030		
3.0	.337	.283	.239	.289	.244	.207	.199	.169	.145	.115	.099	.086	.037	.032	.028		
4.0	.330	.270	.225	.283	.233	.195	.194	.163	.137	.112	.095	.081	.036	.031	.027		
5.0	.322	.260	.215	.276	.225	.187	.190	.157	.132	.110	.092	.078	.036	.030	.026		
6.0	.315	.253	.208	.270	.219	.181	.187	.153	.128	.108	.090	.076	.035	.029	.025		
7.0	.307	.246	.203	.265	.213	.177	.183	.149	.125	.106	.088	.075	.034	.029	.025		
8.0	.301	.240	.199	.259	.209	.173	.179	.146	.123	.104	.086	.073	.034	.028	.024		
9.0	.295	.236	.196	.254	.205	.171	.176	.144	.121	.102	.085	.072	.033	.028	.024		
10.0	.289	.232	.194	.249	.201	.169	.173	.142	.120	.101	.084	.072	.033	.027	.024		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.2120A P:5.088W PF:1.000 Freq:50.00Hz Lamp Flux:50.0963x1 lm										
NAME: SF21-24V-5050-72-RGB-R					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 28mm*11.5mm			SERIAL No.:2021121001		
MFR.: OLYMPIA					SUR.:1*0.016			Shielding 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	22.0	23.3	22.6	23.9	24.5	19.5	20.8	20.1	21.4	22.0
3H	24.8	26.0	25.4	26.6	27.3	20.9	22.1	21.5	22.7	23.4
4H	26.3	27.5	26.9	28.1	28.8	21.4	22.6	22.0	23.2	23.9
6H	28.0	29.1	28.7	29.8	30.5	21.7	22.8	22.4	23.5	24.2
8H	29.0	30.1	29.6	30.7	31.4	21.8	22.9	22.4	23.5	24.2
12H	30.1	31.1	30.7	31.8	32.5	21.8	22.8	22.4	23.5	24.2
4H 2H	22.6	23.7	23.2	24.3	25.0	20.8	21.9	21.4	22.5	23.2
3H	25.6	26.6	26.2	27.2	28.0	22.5	23.5	23.1	24.1	24.9
4H	27.3	28.2	28.0	28.9	29.7	23.2	24.2	23.9	24.8	25.6
6H	29.2	30.1	29.9	30.8	31.6	23.8	24.6	24.5	25.3	26.1
8H	30.3	31.1	31.0	31.8	32.6	24.0	24.8	24.7	25.5	26.3
12H	31.6	32.3	32.3	33.0	33.9	24.1	24.8	24.8	25.5	26.4
8H 4H	27.6	28.4	28.3	29.1	30.0	24.5	25.3	25.2	26.0	26.8
6H	29.9	30.6	30.6	31.3	32.2	25.5	26.2	26.2	26.9	27.8
8H	31.2	31.8	31.9	32.5	33.4	25.9	26.5	26.7	27.3	28.2
12H	32.7	33.2	33.5	34.0	34.9	26.3	26.8	27.1	27.6	28.5
12H 4H	27.7	28.4	28.4	29.1	29.9	24.9	25.6	25.6	26.3	27.2
6H	30.0	30.6	30.8	31.3	32.2	26.2	26.8	26.9	27.5	28.4
8H	31.4	31.9	32.2	32.7	33.6	26.8	27.4	27.6	28.1	29.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117, 50.10 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -10.4)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.2120A P:5.088W PF:1.000 Freq:50.00Hz Lamp Flux:50.0963x1 lm		
NAME: SF21-24V-5050-72-RGB-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121001
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

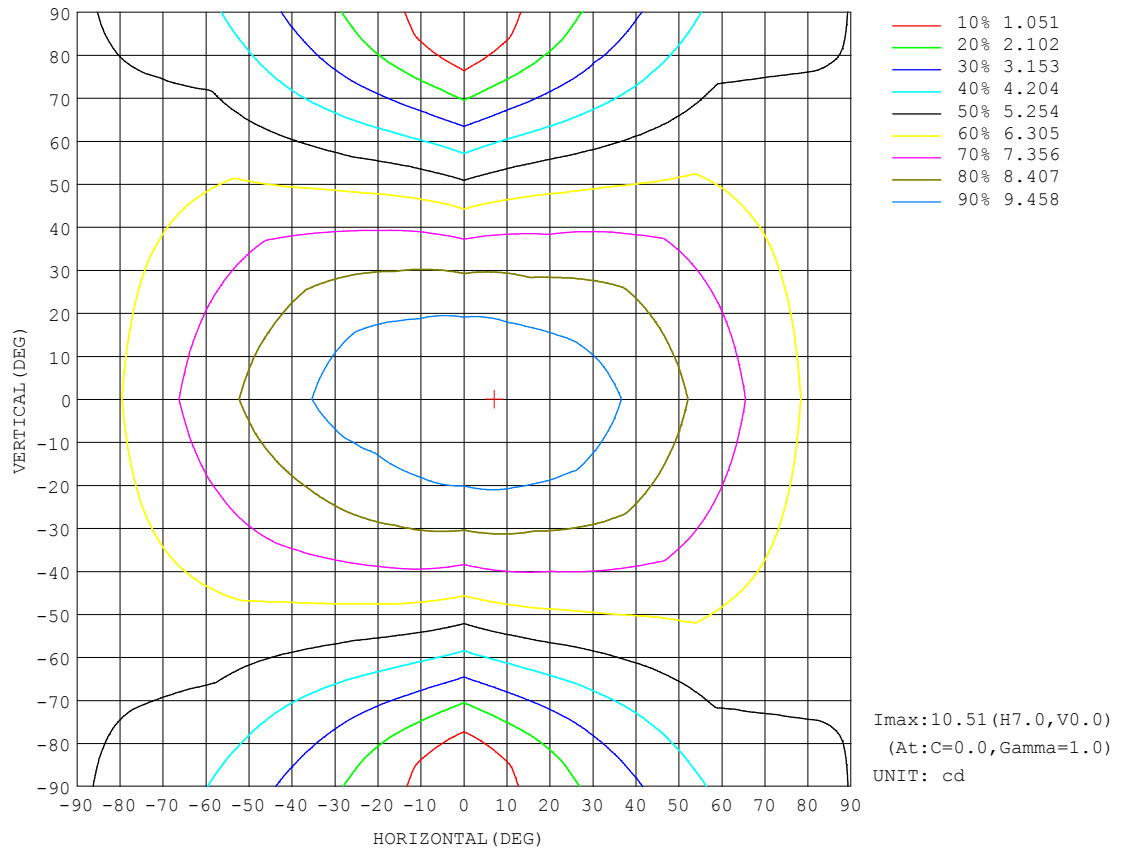
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	34	27	45	34	27	43	33	26	20
0.80	56	43	35	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	58	49	40	31
1.25	70	58	49	68	56	48	63	53	46	36
1.50	75	63	54	73	61	53	67	58	51	40
2.00	83	72	63	79	69	62	73	65	58	46
2.50	87	77	69	84	74	67	77	69	63	50
3.00	91	82	74	87	79	72	80	73	67	53
4.00	96	88	81	92	84	78	84	78	73	58
5.00	99	92	86	94	88	83	86	81	77	61
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.2120A P:5.088W PF:1.000 Freq:50.00Hz Lamp Flux:50.0963x1 lm		
NAME: SF21-24V-5050-72-RGB-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121001
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

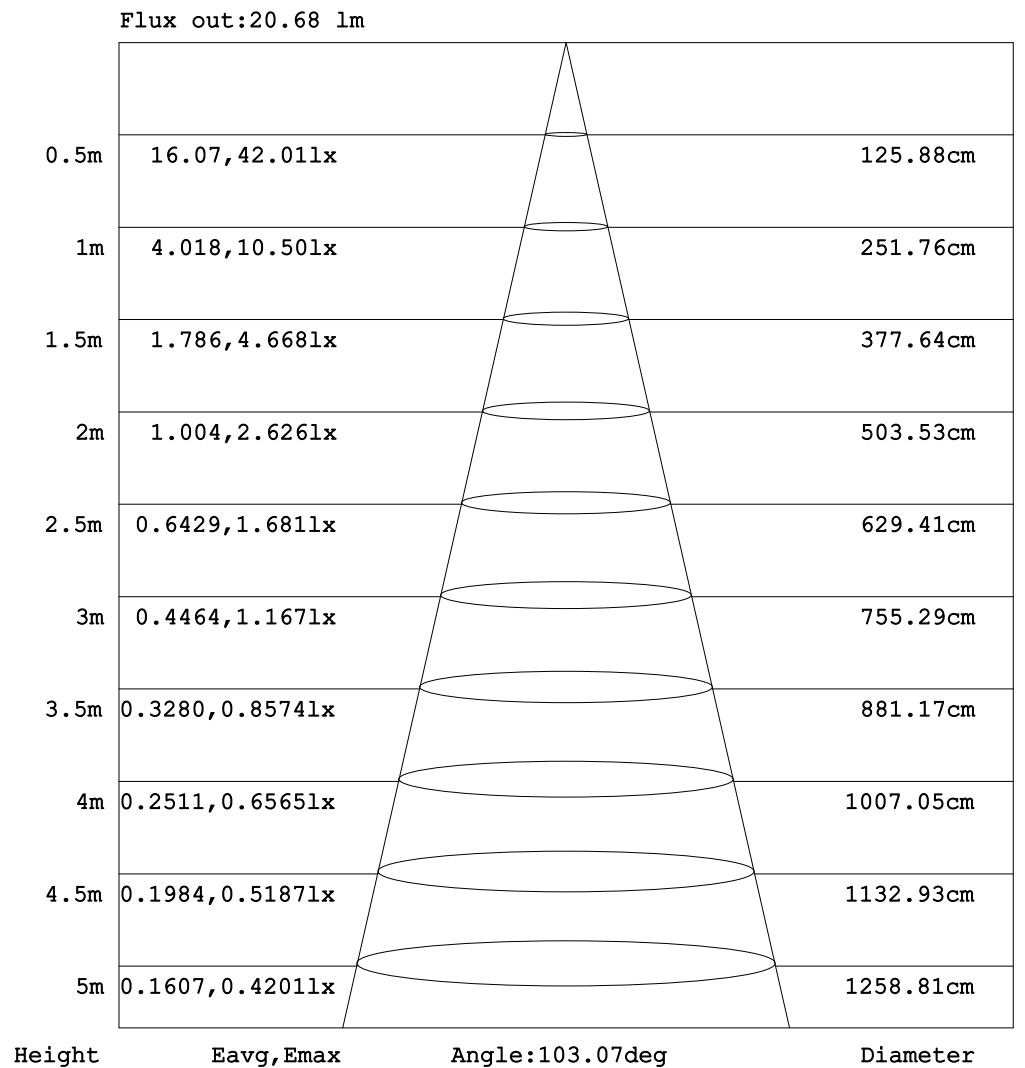


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:0.2120A P:5.088W PF:1.000 Freq:50.00Hz Lamp Flux:50.0963x1 lm		
NAME: SF21-24V-5050-72-RGB-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121001
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



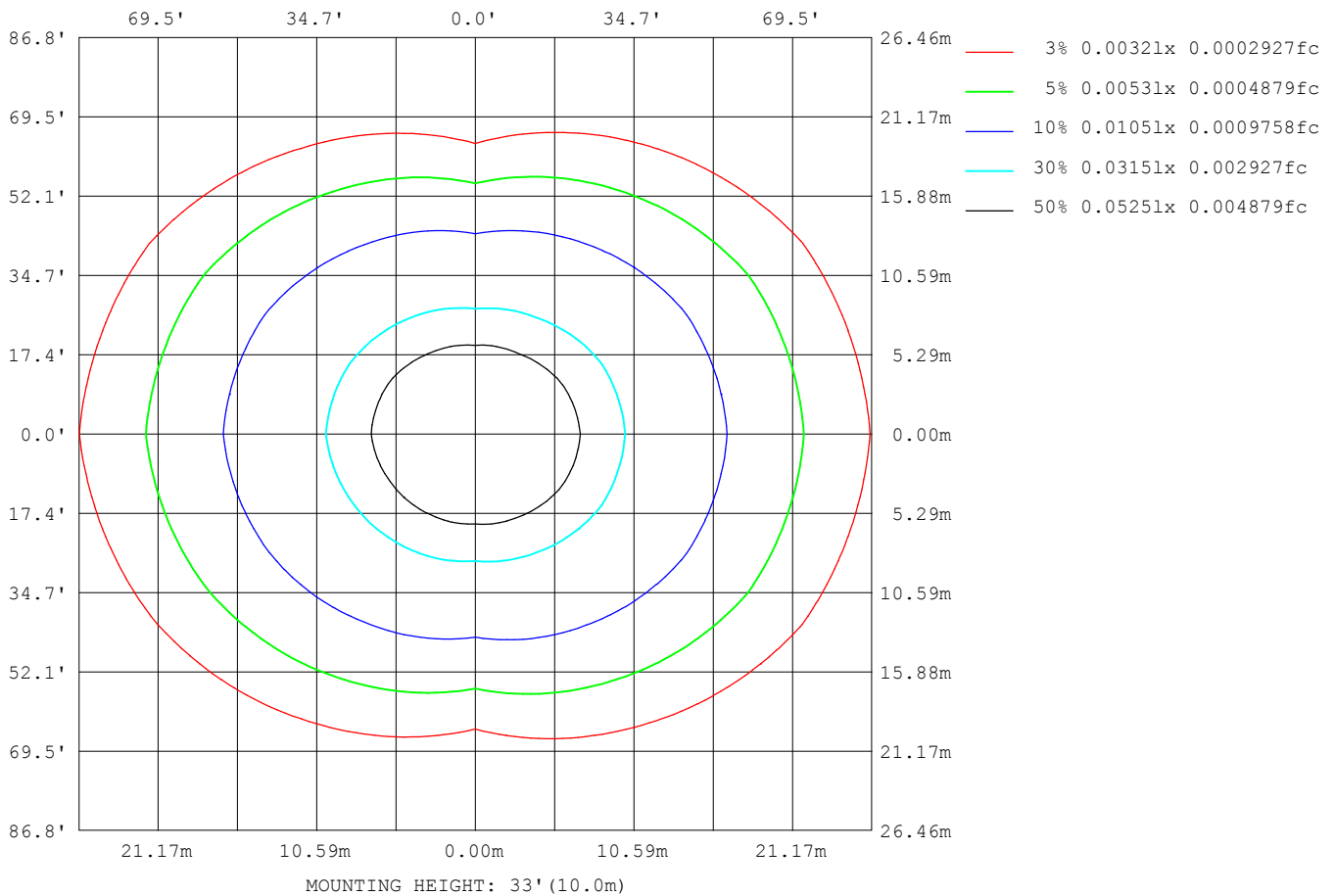
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:0.2120A P:5.088W PF:1.000 Freq:50.00Hz Lamp Flux:50.0963x1 lm		
NAME: SF21-24V-5050-72-RGB-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121001
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.00V I:0.2120A P:5.088W PF:1.000 Freq:50.00Hz Lamp Flux:50.0963x1 lm		
NAME: SF21-24V-5050-72-RGB-R	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121001
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

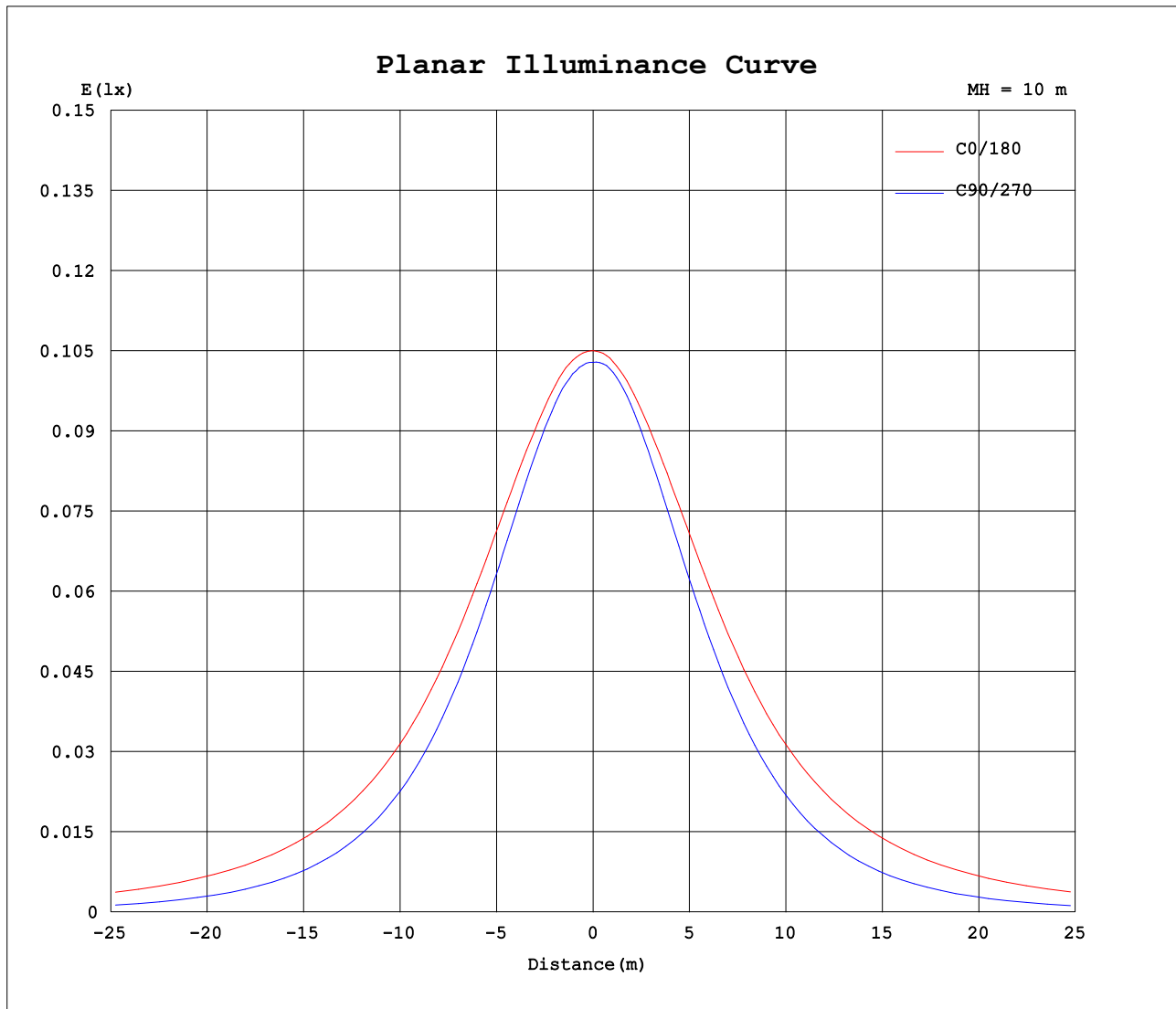
AvgL	cd/m2
L_0~180 (65) av	1097
L_0~180 (75) av	1600
L_0~180 (85) av	4152
L_90~270 (65) av	440
L_90~270 (75) av	319
L_90~270 (85) av	92
L_45 (65) av	837
L_45 (75) av	1128
L_45 (85) av	2742

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.2120A P:5.088W PF:1.000 Freq:50.00Hz Lamp Flux:50.0963x1 lm		
NAME: SF21-24V-5050-72-RGB-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121001
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	10.5	10.4	10.4	10.3	10.2	10.2	10.5	10.4	10.4	10.3	10.2	10.2						
5	10.5	10.4	10.4	10.2	10.2	10.1	10.5	10.4	10.3	10.3	10.2	10.2						
10	10.5	10.3	10.3	10.1	10.1	10.0	10.4	10.3	10.2	10.1	10.1	10.2						
15	10.3	10.2	10.1	9.84	9.84	9.84	10.3	10.2	9.90	9.79	9.83	10.0						
20	10.2	10.00	9.73	9.47	9.51	9.64	10.1	9.95	9.56	9.36	9.49	9.80						
25	10.0	9.76	9.32	9.02	9.13	9.40	9.95	9.71	9.17	8.87	9.08	9.56						
30	9.81	9.49	8.86	8.47	8.70	9.12	9.75	9.42	8.73	8.30	8.60	9.33						
35	9.55	9.19	8.35	7.83	8.21	8.77	9.48	9.10	8.25	7.65	8.09	9.05						
40	9.25	8.82	7.82	7.14	7.69	8.39	9.17	8.71	7.72	6.94	7.59	8.73						
45	8.90	8.40	7.26	6.41	7.11	7.99	8.87	8.29	7.15	6.19	7.09	8.35						
50	8.56	7.96	6.68	5.62	6.51	7.59	8.56	7.90	6.55	5.40	6.55	7.93						
55	8.19	7.53	6.05	4.79	5.86	7.18	8.22	7.47	5.91	4.58	5.95	7.50						
60	7.80	7.08	5.41	3.94	5.23	6.72	7.83	7.03	5.25	3.73	5.33	7.08						
65	7.39	6.63	4.77	3.08	4.62	6.30	7.45	6.58	4.63	2.87	4.71	6.65						
70	6.99	6.18	4.17	2.21	4.02	5.86	7.06	6.15	4.04	2.02	4.12	6.21						
75	6.59	5.74	3.60	1.40	3.45	5.45	6.66	5.72	3.45	1.24	3.56	5.79						
80	6.17	5.32	3.09	0.67	2.97	5.05	6.27	5.30	2.95	0.56	3.08	5.38						
85	5.74	4.88	2.67	0.15	2.57	4.64	5.84	4.90	2.54	0.11	2.63	4.97						
90	5.27	4.46	2.33	0.13	2.24	4.23	5.40	4.47	2.21	0.07	2.29	4.56						
95	4.83	4.07	2.05	0.12	1.98	3.86	4.96	4.09	1.94	0.07	2.00	4.16						
100	4.31	3.37	1.84	0.14	1.79	3.26	4.45	3.43	1.73	0.07	1.79	3.45						
105	3.93	3.18	1.57	0.14	1.39	3.05	4.06	3.22	1.44	0.07	1.45	3.25						
110	3.56	2.90	1.54	0.15	1.33	2.79	3.70	2.92	1.28	0.07	1.35	2.97						
115	3.24	2.69	1.26	0.16	1.25	2.44	3.21	2.64	1.18	0.07	1.26	2.49						
120	2.96	2.47	0.98	0.16	1.19	2.24	2.96	2.43	1.14	0.07	1.15	2.33						
125	2.71	2.28	0.94	0.17	1.13	2.07	2.70	2.21	1.10	0.08	1.03	2.21						
130	2.46	2.01	0.86	0.18	1.05	1.88	2.45	2.01	1.05	0.09	0.92	2.07						
135	2.22	1.65	0.77	0.19	1.00	1.69	2.20	1.81	1.00	0.12	0.80	1.70						
140	1.97	1.29	0.72	0.19	0.92	1.52	1.95	1.65	0.92	0.14	0.69	1.34						
145	1.71	1.01	0.67	0.20	0.83	1.33	1.70	1.47	0.85	0.14	0.61	1.15						
150	1.46	0.79	0.59	0.21	0.78	1.17	1.49	1.30	0.80	0.14	0.55	0.98						
155	1.22	0.64	0.56	0.21	0.68	1.00	1.25	1.14	0.71	0.14	0.54	0.81						
160	0.99	0.56	0.56	0.21	0.59	0.83	1.04	0.99	0.62	0.15	0.53	0.64						
165	0.83	0.47	0.55	0.21	0.49	0.68	0.90	0.83	0.54	0.16	0.51	0.54						
170	0.45	0.44	0.48	0.21	0.38	0.51	0.41	0.66	0.44	0.16	0.47	0.54						
175	0.31	0.36	0.37	0.22	0.24	0.34	0.30	0.46	0.35	0.17	0.40	0.49						
180	0.22	0.22	0.22	0.22	0.22	0.21	0.22	0.23	0.22	0.18	0.21	0.21						

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [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	10.50	10.43	10.37	10.29	10.25	10.18	10.50	10.43	10.37	10.29
3.0	10.50	10.43	10.37	10.27	10.25	10.16	10.50	10.43	10.34	10.30
6.0	10.49	10.41	10.35	10.24	10.21	10.10	10.46	10.43	10.28	10.26
9.0	10.47	10.35	10.31	10.16	10.12	10.03	10.42	10.36	10.19	10.15
12.0	10.40	10.29	10.21	10.01	10.00	9.941	10.35	10.27	10.08	9.992
15.0	10.32	10.19	10.05	9.845	9.836	9.840	10.27	10.17	9.900	9.786
18.0	10.24	10.09	9.866	9.639	9.650	9.714	10.18	10.04	9.699	9.555
21.0	10.16	9.951	9.650	9.382	9.434	9.599	10.10	9.901	9.483	9.273
24.0	10.06	9.820	9.409	9.121	9.213	9.458	9.996	9.750	9.242	8.992
27.0	9.941	9.674	9.148	8.799	8.967	9.292	9.865	9.595	9.005	8.645
30.0	9.811	9.493	8.856	8.467	8.696	9.116	9.754	9.424	8.734	8.304
33.0	9.660	9.307	8.555	8.090	8.409	8.915	9.589	9.238	8.442	7.932
36.0	9.494	9.121	8.243	7.703	8.113	8.699	9.423	9.022	8.141	7.515
39.0	9.308	8.895	7.922	7.276	7.796	8.468	9.237	8.791	7.829	7.083
42.0	9.112	8.664	7.600	6.854	7.460	8.217	9.041	8.544	7.602	6.655
45.0	8.901	8.402	7.258	6.407	7.113	7.985	8.870	8.293	7.150	6.193
48.0	8.705	8.146	6.912	5.934	6.746	7.759	8.689	8.047	6.793	5.710
51.0	8.489	7.880	6.555	5.461	6.379	7.513	8.493	7.811	6.431	5.233
54.0	8.268	7.623	6.178	4.959	5.992	7.262	8.282	7.564	6.040	4.731
57.0	8.032	7.357	5.796	4.446	5.605	7.000	8.065	7.298	5.652	4.223
60.0	7.801	7.080	5.409	3.944	5.233	6.724	7.829	7.027	5.250	3.730
63.0	7.560	6.799	5.027	3.411	4.861	6.467	7.603	6.755	4.878	3.223
66.0	7.313	6.543	4.650	2.903	4.494	6.211	7.377	6.499	4.507	2.700
69.0	7.072	6.276	4.278	2.381	4.137	5.950	7.141	6.233	4.145	2.188
72.0	6.821	6.005	3.942	1.863	3.786	5.698	6.899	5.976	3.793	1.715
75.0	6.590	5.744	3.600	1.401	3.454	5.452	6.663	5.715	3.447	1.243
78.0	6.333	5.487	3.283	0.9386	3.152	5.206	6.432	5.464	3.145	0.8204
81.0	6.082	5.221	3.006	0.5419	2.886	4.965	6.186	5.222	2.859	0.4432
84.0	5.821	4.975	2.755	0.2304	2.645	4.728	5.929	4.966	2.617	0.1467
87.0	5.550	4.724	2.534	0.1405	2.433	4.472	5.668	4.720	2.397	0.0855
90.0	5.273	4.462	2.333	0.1256	2.237	4.231	5.402	4.474	2.206	0.0704
93.0	5.007	4.211	2.157	0.1231	2.071	4.010	5.135	4.222	2.035	0.0704
96.0	4.745	3.990	2.006	0.1206	1.935	3.789	4.874	4.016	1.884	0.0704
99.0	4.489	3.577	1.880	0.1257	1.825	3.282	4.582	3.465	1.774	0.0704
102.0	4.157	3.297	1.769	0.1391	1.699	3.166	4.291	3.352	1.647	0.0704
105.0	3.926	3.181	1.573	0.1441	1.388	3.045	4.060	3.217	1.437	0.0704
108.0	3.705	3.005	1.553	0.1491	1.342	2.904	3.849	3.056	1.332	0.0704
111.0	3.494	2.844	1.473	0.1541	1.327	2.668	3.618	2.820	1.251	0.0704
114.0	3.308	2.719	1.312	0.1509	1.262	2.497	3.291	2.699	1.186	0.0704
117.0	3.132	2.593	1.151	0.1575	1.212	2.367	3.100	2.574	1.161	0.0704
120.0	2.961	2.468	0.9755	0.1625	1.186	2.241	2.960	2.433	1.141	0.0704
123.0	2.815	2.367	0.9381	0.1667	1.151	2.136	2.804	2.292	1.116	0.0704
126.0	2.664	2.241	0.9349	0.1707	1.116	2.050	2.643	2.161	1.096	0.0754
129.0	2.508	2.090	0.8897	0.1754	1.066	1.924	2.502	2.041	1.075	0.0904
132.0	2.363	1.859	0.8094	0.1817	1.030	1.809	2.347	1.940	1.020	0.1154
135.0	2.217	1.648	0.7741	0.1856	1.000	1.688	2.205	1.815	0.9958	0.1156
138.0	2.071	1.397	0.7339	0.1883	0.9601	1.578	2.035	1.719	0.9447	0.1406
141.0	1.920	1.226	0.7039	0.1909	0.9048	1.487	1.894	1.609	0.9144	0.1406
144.0	1.760	1.070	0.6836	0.1985	0.8395	1.372	1.763	1.498	0.8643	0.1406
147.0	1.599	0.9193	0.6284	0.2060	0.8192	1.261	1.598	1.402	0.8340	0.1407
150.0	1.458	0.7939	0.5882	0.2061	0.7792	1.166	1.492	1.302	0.8039	0.1407
153.0	1.312	0.6934	0.5660	0.2115	0.7140	1.085	1.346	1.196	0.7588	0.1417
156.0	1.181	0.6230	0.5627	0.2120	0.6636	0.9846	1.206	1.111	0.7034	0.1447
159.0	1.046	0.5928	0.5594	0.2126	0.6032	0.8692	1.100	1.021	0.6380	0.1486
162.0	0.9250	0.5177	0.5561	0.2132	0.5481	0.7739	0.9846	0.9450	0.6026	0.1529
165.0	0.8297	0.4725	0.5528	0.2138	0.4877	0.6782	0.9041	0.8346	0.5376	0.1556
168.0	0.4827	0.4623	0.5028	0.2144	0.4224	0.5827	0.4571	0.7139	0.4822	0.1582
171.0	0.4275	0.4420	0.4576	0.2149	0.3720	0.4721	0.3819	0.6334	0.4167	0.1618
174.0	0.3126	0.3618	0.4173	0.2155	0.2769	0.3517	0.3412	0.4831	0.3655	0.1658
177.0	0.3116	0.2711	0.3118	0.2161	0.2162	0.2110	0.2864	0.4024	0.3006	0.1709
180.0	0.2211	0.2211	0.2161	0.2161	0.2211	0.2061	0.2161	0.2262	0.2161	0.1759
G/C	300.0	330.0								
0.0	10.25	10.18								
3.0	10.24	10.19								
6.0	10.20	10.18								
9.0	10.11	10.17								
12.0	9.996	10.12								
15.0	9.830	10.02								
18.0	9.643	9.896								
21.0	9.412	9.740								
24.0	9.171	9.610								
27.0	8.889	9.469								
30.0	8.598	9.328								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

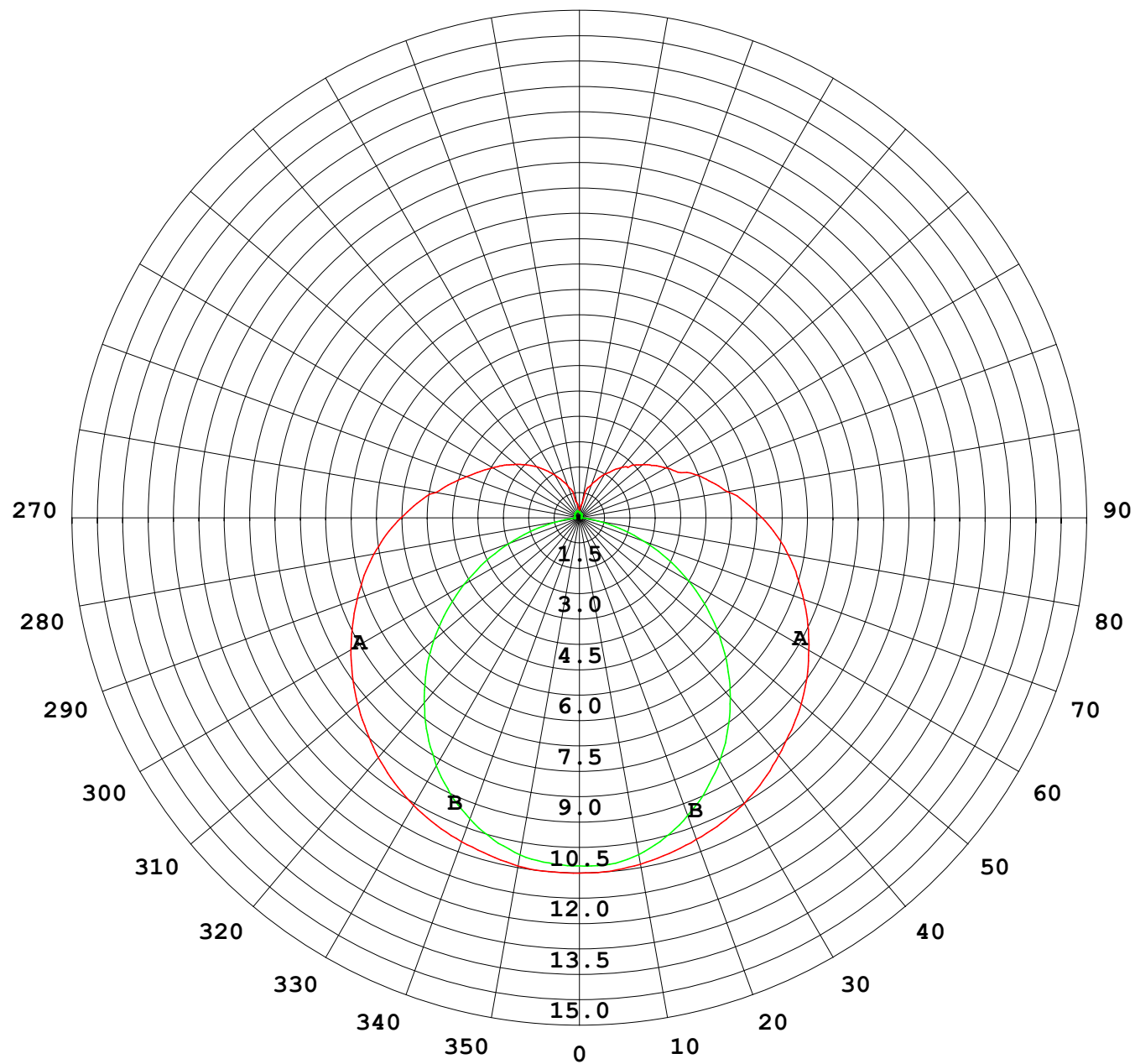
Photometric Data Table [cd]

33.0	8.296	9.177
36.0	7.995	8.996
39.0	7.693	8.791
42.0	7.392	8.580
45.0	7.085	8.348
48.0	6.763	8.102
51.0	6.436	7.841
54.0	6.070	7.595
57.0	5.708	7.338
60.0	5.331	7.077
63.0	4.954	6.816
66.0	4.587	6.564
69.0	4.230	6.298
72.0	3.884	6.042
75.0	3.562	5.785
78.0	3.246	5.539
81.0	2.964	5.293
84.0	2.708	5.052
87.0	2.487	4.805
90.0	2.286	4.564
93.0	2.120	4.318
96.0	1.954	4.092
99.0	1.824	3.671
102.0	1.673	3.378
105.0	1.452	3.247
108.0	1.402	3.086
111.0	1.345	2.905
114.0	1.336	2.609
117.0	1.241	2.347
120.0	1.150	2.332
123.0	1.085	2.277
126.0	1.005	2.181
129.0	0.9396	2.111
132.0	0.8692	1.900
135.0	0.8038	1.699
138.0	0.7484	1.503
141.0	0.6785	1.322
144.0	0.6281	1.187
147.0	0.5976	1.066
150.0	0.5523	0.9752
153.0	0.5442	0.8748
156.0	0.5361	0.7743
159.0	0.5281	0.6738
162.0	0.5229	0.5932
165.0	0.5116	0.5429
168.0	0.4974	0.5427
171.0	0.4672	0.5378
174.0	0.4318	0.4977
177.0	0.2960	0.4375
180.0	0.2111	0.2111

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-10

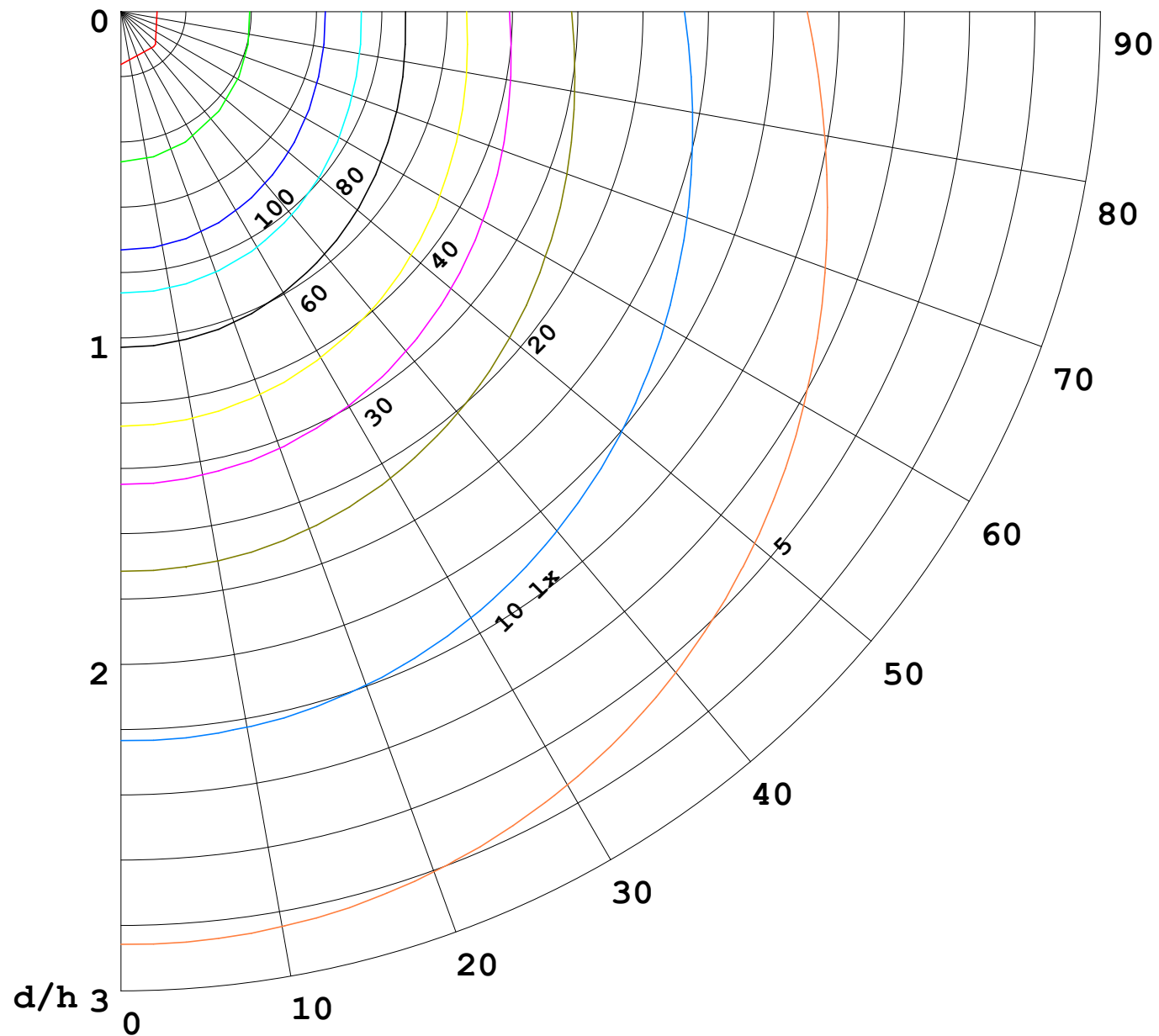
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

