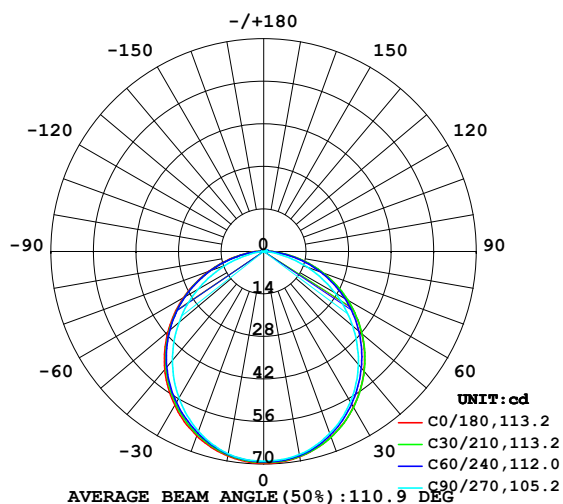


LUMINAIRE PHOTOMETRIC TEST REPORT

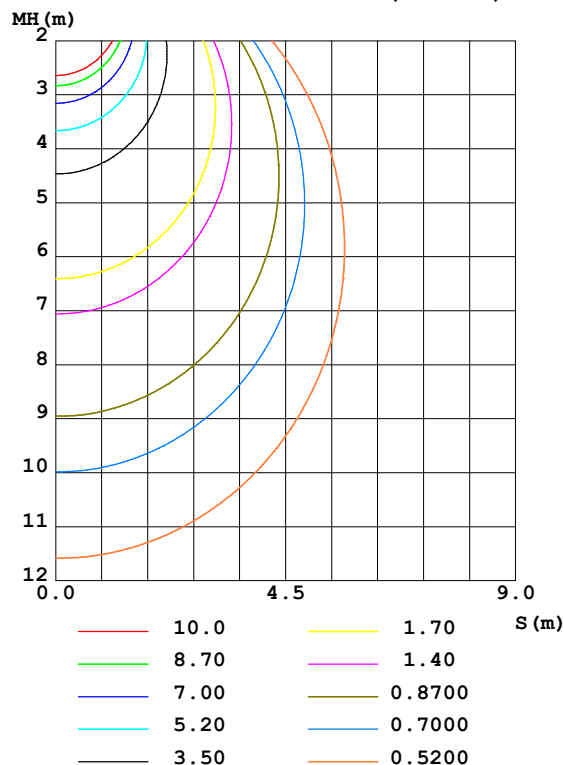
Test:U:24.00V I:0.6021A P:14.45W PF:1.000 Freq:50.00Hz Lamp Flux:199.136x1 lm		
NAME: SF15-24V-5050-56-DMX4SM-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123020
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 13.78 lm/W			
MODEL	5050	I _{max} (cd)	69.74	S/MH (C0/180)	1.25
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	199.14	η UP, DN (C0-180)	0.8, 49.7
NOMINAL FLUX (lm)	199.136	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 48.8
LAMPS INSIDE	1	η up (%)	1.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	98.6	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: LPC
Test Date: 2021-12-30

γ Range: 0 - 120DEG
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	68.60	68.32	67.86	67.37	68.34	67.90	67.60	67.65	0- 10	6.542	6.542	3.29,3.29
20	64.97	64.64	63.70	63.47	64.54	63.78	62.90	63.54	10- 20	18.68	25.23	12.7,12.7
30	59.13	58.59	57.13	57.48	58.52	57.68	55.77	57.39	20- 30	28.14	53.37	26.8,26.8
40	51.40	50.75	48.51	49.67	50.65	49.86	46.75	49.75	30- 40	33.74	87.11	43.7,43.7
50	42.15	41.62	38.26	40.33	41.16	40.49	36.40	40.96	40- 50	34.90	122.0	61.3,61.3
60	31.82	31.39	27.03	29.88	30.55	30.00	25.06	30.91	50- 60	31.51	153.5	77.1,77.1
70	20.77	20.46	15.35	18.72	19.29	18.78	13.60	20.15	60- 70	24.11	177.6	89.2,89.2
80	9.886	9.614	4.641	8.079	8.650	8.007	3.340	9.425	70- 80	14.02	191.7	96.2,96.2
90	2.623	2.131	0.6284	1.741	1.992	1.413	0.3565	1.873	80- 90	4.605	196.3	98.6,98.6
100	0.8968	1.061	0.7492	1.217	0.8393	0.7928	0.4368	0.7298	90-100	1.162	197.4	99.1,99.1
110	0.9144	1.101	0.8646	0.9839	0.8436	0.6359	0.5331	0.7942	100-110	0.9053	198.3	99.6,99.6
120	0.9599	0.6340	0.9499	0.6611	0.8594	0.1459	0.6333	0.7840	110-120	0.7743	199.1	100,100
130	0	0	0	0	0	0	0	0	120-130	0.0335	199.1	100,100
140	0	0	0	0	0	0	0	0	130-140	0	199.1	100,100
150	0	0	0	0	0	0	0	0	140-150	0	199.1	100,100
160	0	0	0	0	0	0	0	0	150-160	0	199.1	100,100
170	0	0	0	0	0	0	0	0	160-170	0	199.1	100,100
180	0	0	0	0	0	0	0	0	170-180	0	199.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 104.7 lm

%lum = 52.6%

%lamp = 52.6%

Conical surface Flux(120deg): 153.52 lm

%lum = 77.1%

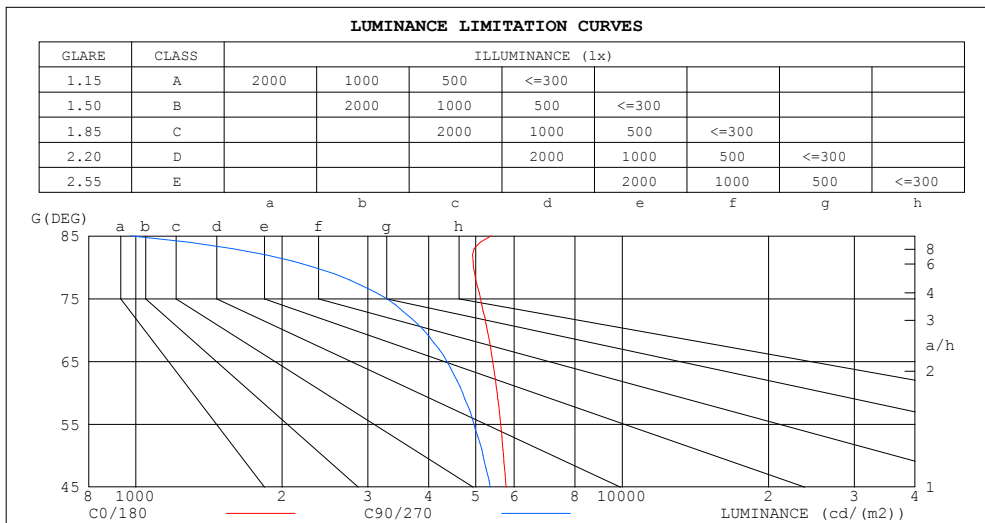
%lamp = 77.1%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-30

γ Range: 0 - 120DEG
 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:0.6021A P:14.45W PF:1.000 Freq:50.00Hz Lamp Flux:199.136x1 lm		
NAME: SF15-24V-5050-56-DMX4SM-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123020
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5379	976
80	4950	2324
75	5112	3279
70	5280	3903
65	5421	4363
60	5534	4700
55	5628	4958
50	5702	5176
45	5773	5355

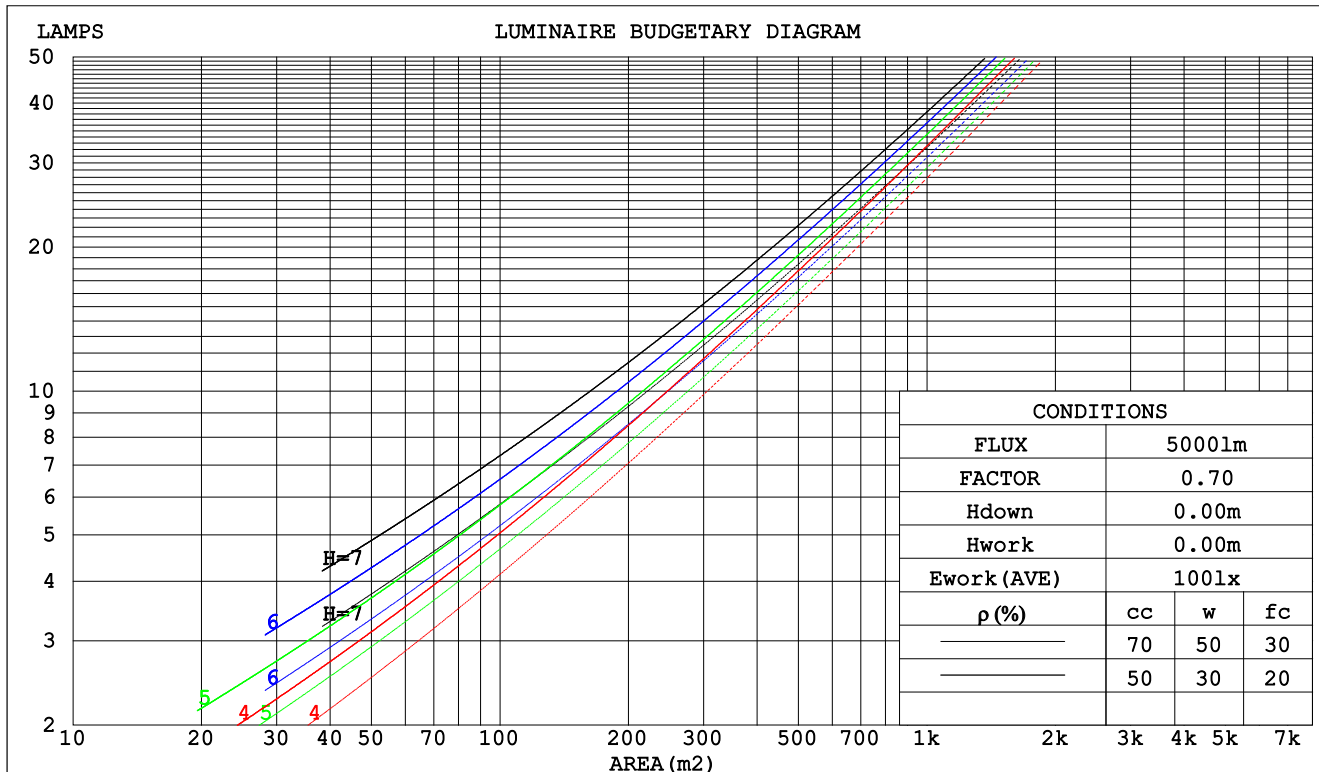
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-30

γ Range: 0 - 120DEG
 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:0.6021A P:14.45W PF:1.000 Freq:50.00Hz Lamp Flux:199.136x1 lm		
NAME: SF15-24V-5050-56-DMX4SM-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123020
MFR.: OLYMPIA	SUR.:1*0.0115	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	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.90	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.77	.74	.70	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.67	.62	.71	.65	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.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	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-30

γ Range: 0 - 120DEG
 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:0.6021A P:14.45W PF:1.000 Freq:50.00Hz Lamp Flux:199.136x1 lm		
NAME: SF15-24V-5050-56-DMX4SM-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123020
MFR.: OLYMPIA	SUR.:1*0.0115	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	.314	.179	.057	.307	.175	.056	.293	.168	.054	.280	.161	.052	.268	.155	.050	
2.0	.294	.161	.049	.287	.158	.049	.274	.153	.047	.263	.148	.046	.252	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.244	.134	.041	.234	.130	.040	
4.0	.250	.130	.038	.244	.128	.038	.235	.124	.037	.225	.121	.037	.217	.118	.036	
5.0	.231	.117	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.108	.032	
6.0	.214	.107	.031	.210	.106	.030	.202	.103	.030	.194	.101	.030	.188	.099	.029	
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.186	.091	.025	.182	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025	
9.0	.174	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.074	.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	.201	.201	.201	.172	.172	.172	.118	.118	.118	.068	.068	.068	.022	.022	.022		
1.0	.192	.167	.145	.164	.143	.125	.112	.099	.086	.065	.057	.050	.021	.018	.016		
2.0	.184	.143	.109	.157	.123	.094	.108	.085	.066	.062	.050	.039	.020	.016	.013		
3.0	.176	.126	.085	.151	.108	.074	.104	.075	.052	.060	.044	.031	.019	.014	.010		
4.0	.168	.112	.070	.144	.097	.060	.099	.068	.043	.057	.040	.025	.018	.013	.008		
5.0	.161	.102	.058	.138	.088	.051	.095	.062	.036	.055	.036	.021	.018	.012	.007		
6.0	.154	.094	.050	.132	.081	.044	.091	.057	.031	.053	.033	.018	.017	.011	.006		
7.0	.147	.087	.045	.126	.075	.039	.087	.053	.028	.051	.031	.016	.016	.010	.005		
8.0	.140	.081	.040	.121	.070	.035	.084	.049	.025	.049	.029	.015	.016	.010	.005		
9.0	.134	.076	.037	.116	.066	.032	.080	.046	.023	.047	.027	.014	.015	.009	.004		
10.0	.129	.072	.034	.111	.062	.030	.077	.044	.021	.045	.026	.013	.015	.009	.004		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-30

γ Range: 0 - 120DEG
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:0.6021A P:14.45W PF:1.000 Freq:50.00Hz Lamp Flux:199.136x1 lm											
NAME: SF15-24V-5050-56-DMX4SM-RGBW(4000)						TYPE:硅胶			WEIGHT:		
SPEC.:						DIM.: 21mm*11.5mm			SERIAL No.:2021123020		
MFR.: OLYMPIA						SUR.:1*0.0115			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	24.6	26.1	24.9	26.3	26.6	24.1	25.6	24.4	25.8	26.0	
	3H	26.2	27.6	26.6	27.9	28.2	25.4	26.8	25.7	27.1	27.3
	4H	26.9	28.3	27.3	28.5	28.8	25.9	27.2	26.2	27.5	27.8
	6H	27.5	28.7	27.8	29.0	29.3	26.1	27.4	26.5	27.7	28.0
	8H	27.7	28.9	28.1	29.2	29.5	26.2	27.4	26.5	27.7	28.0
	12H	27.9	29.0	28.2	29.3	29.7	26.1	27.3	26.5	27.6	28.0
4H	2H	25.2	26.5	25.5	26.8	27.1	24.8	26.1	25.2	26.4	26.7
	3H	27.1	28.2	27.4	28.5	28.9	26.4	27.6	26.8	27.9	28.2
	4H	27.9	29.0	28.3	29.3	29.7	27.1	28.1	27.5	28.5	28.8
	6H	28.6	29.5	29.0	29.9	30.3	27.4	28.4	27.9	28.8	29.2
	8H	28.9	29.7	29.3	30.1	30.6	27.5	28.4	28.0	28.8	29.2
	12H	29.1	29.9	29.5	30.3	30.8	27.5	28.3	28.0	28.7	29.2
8H	4H	28.2	29.1	28.6	29.5	29.9	27.5	28.3	27.9	28.7	29.1
	6H	29.1	29.8	29.5	30.2	30.7	28.1	28.8	28.5	29.2	29.7
	8H	29.4	30.1	29.9	30.5	31.0	28.2	28.9	28.7	29.3	29.8
	12H	29.8	30.4	30.3	30.8	31.3	28.3	28.9	28.8	29.4	29.9
12H	4H	28.2	29.0	28.6	29.4	29.9	27.5	28.3	28.0	28.7	29.2
	6H	29.1	29.8	29.6	30.2	30.7	28.2	28.8	28.7	29.3	29.8
	8H	29.6	30.1	30.1	30.6	31.1	28.4	29.0	28.9	29.5	30.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 199.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.6)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-30

γ Range: 0 - 120DEG
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:0.6021A P:14.45W PF:1.000 Freq:50.00Hz Lamp Flux:199.136x1 lm		
NAME: SF15-24V-5050-56-DMX4SM-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123020
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

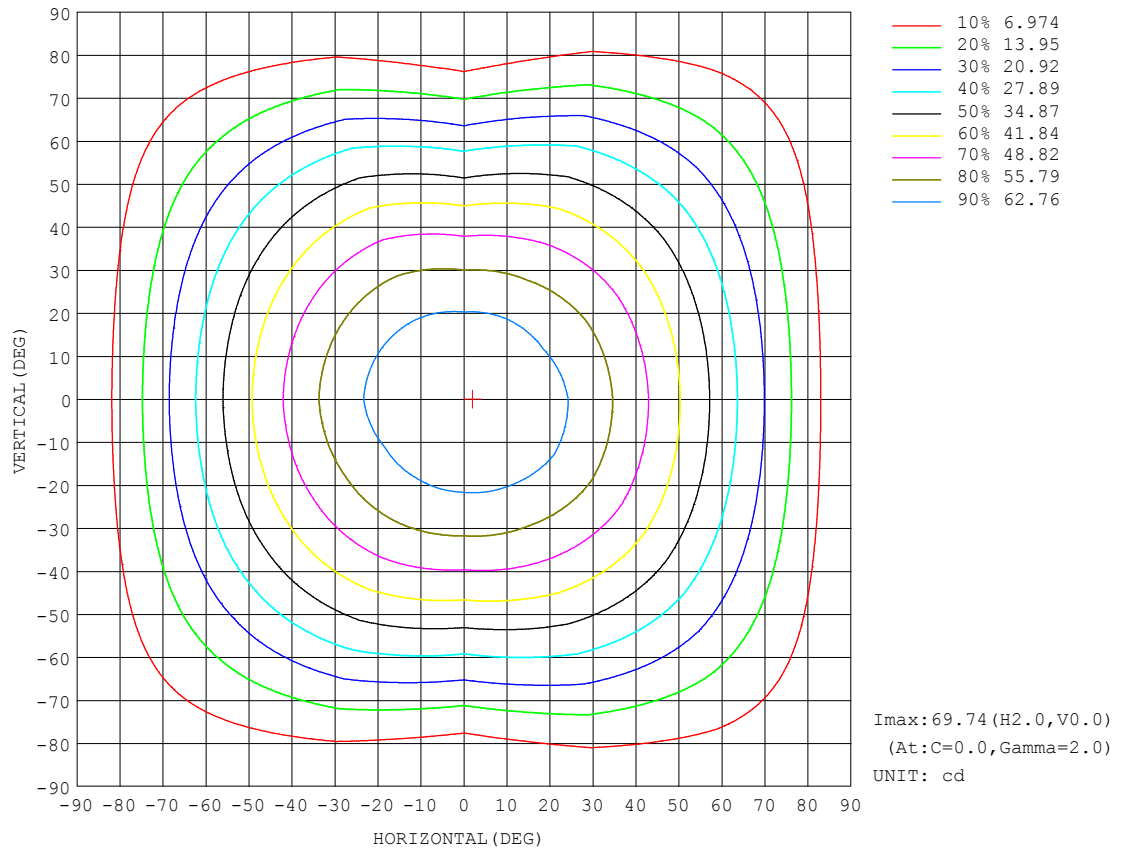
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	82	74	69	61
2.00	94	85	79	92	84	78	89	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	102	94	89	99	93	88	95	90	85	77
4.00	106	100	95	103	98	93	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
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:2021-12-30

γ Range: 0 - 120DEG
 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:0.6021A P:14.45W PF:1.000 Freq:50.00Hz Lamp Flux:199.136x1 lm		
NAME: SF15-24V-5050-56-DMX4SM-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123020
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

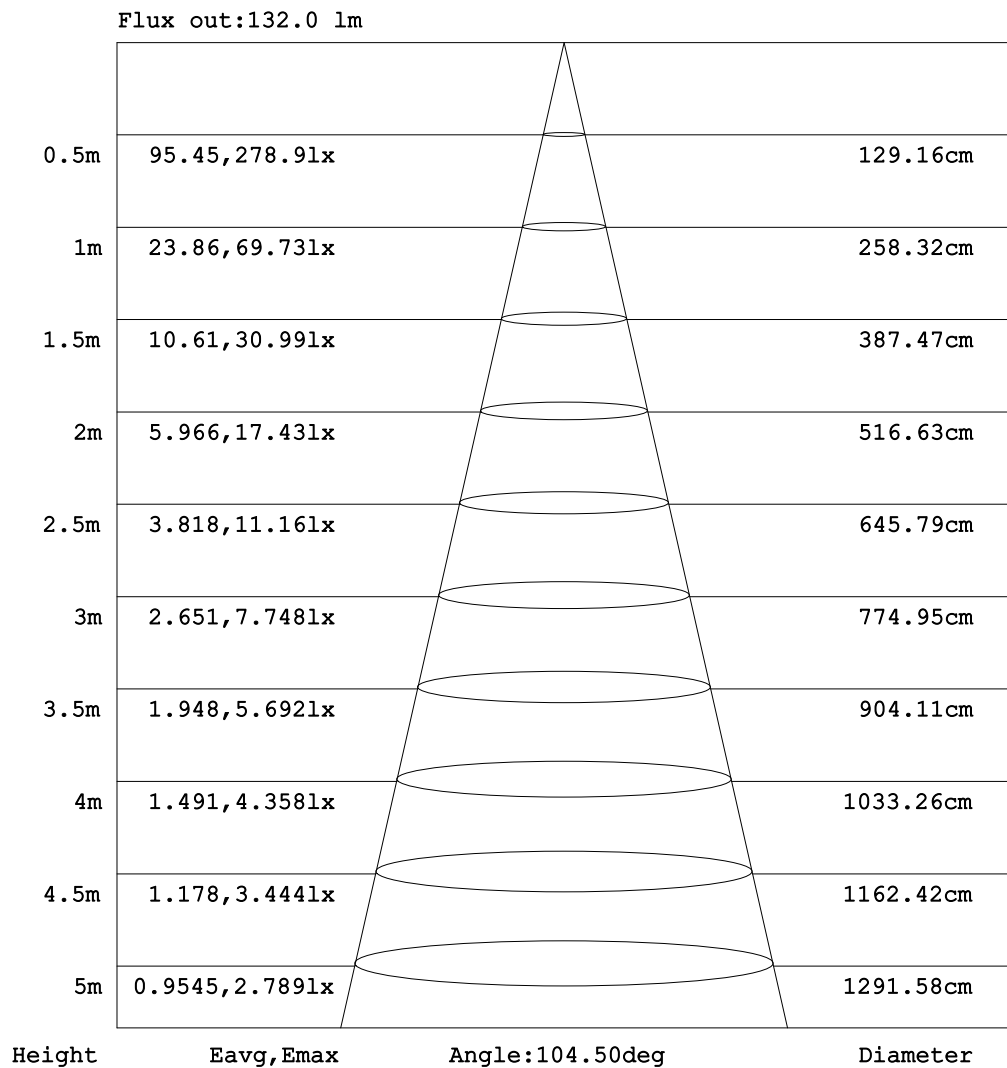


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-30

γ Range: 0 - 120DEG
 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:0.6021A P:14.45W PF:1.000 Freq:50.00Hz Lamp Flux:199.136x1 lm		
NAME: SF15-24V-5050-56-DMX4SM-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123020
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



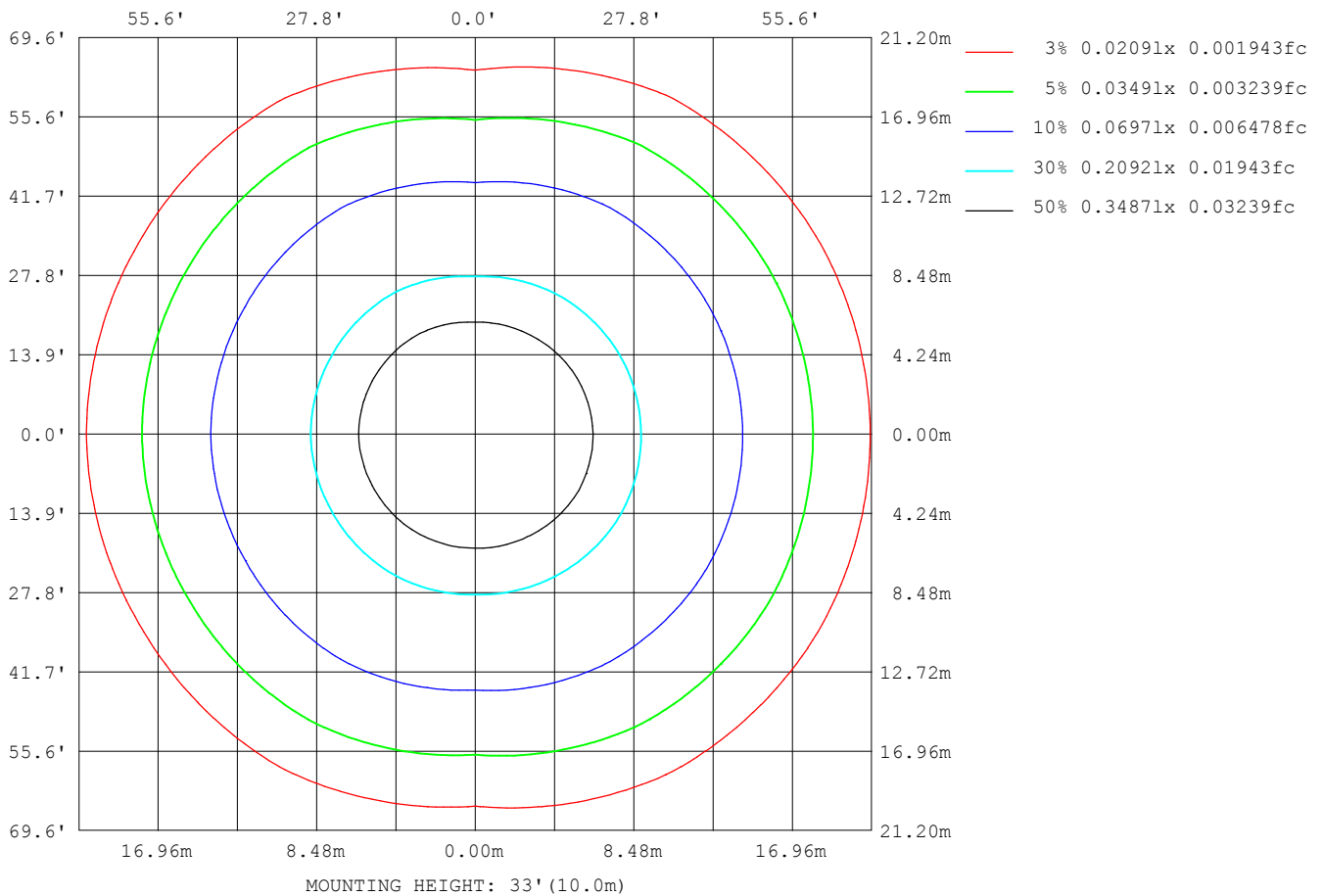
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-30

γ Range: 0 - 120DEG
 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:0.6021A P:14.45W PF:1.000 Freq:50.00Hz Lamp Flux:199.136x1 lm		
NAME: SF15-24V-5050-56-DMX4SM-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123020
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-30

γ Range: 0 - 120DEG
 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:0.6021A P:14.45W PF:1.000 Freq:50.00Hz Lamp Flux:199.136x1 lm		
NAME: SF15-24V-5050-56-DMX4SM-RGBW(4000)	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123020
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

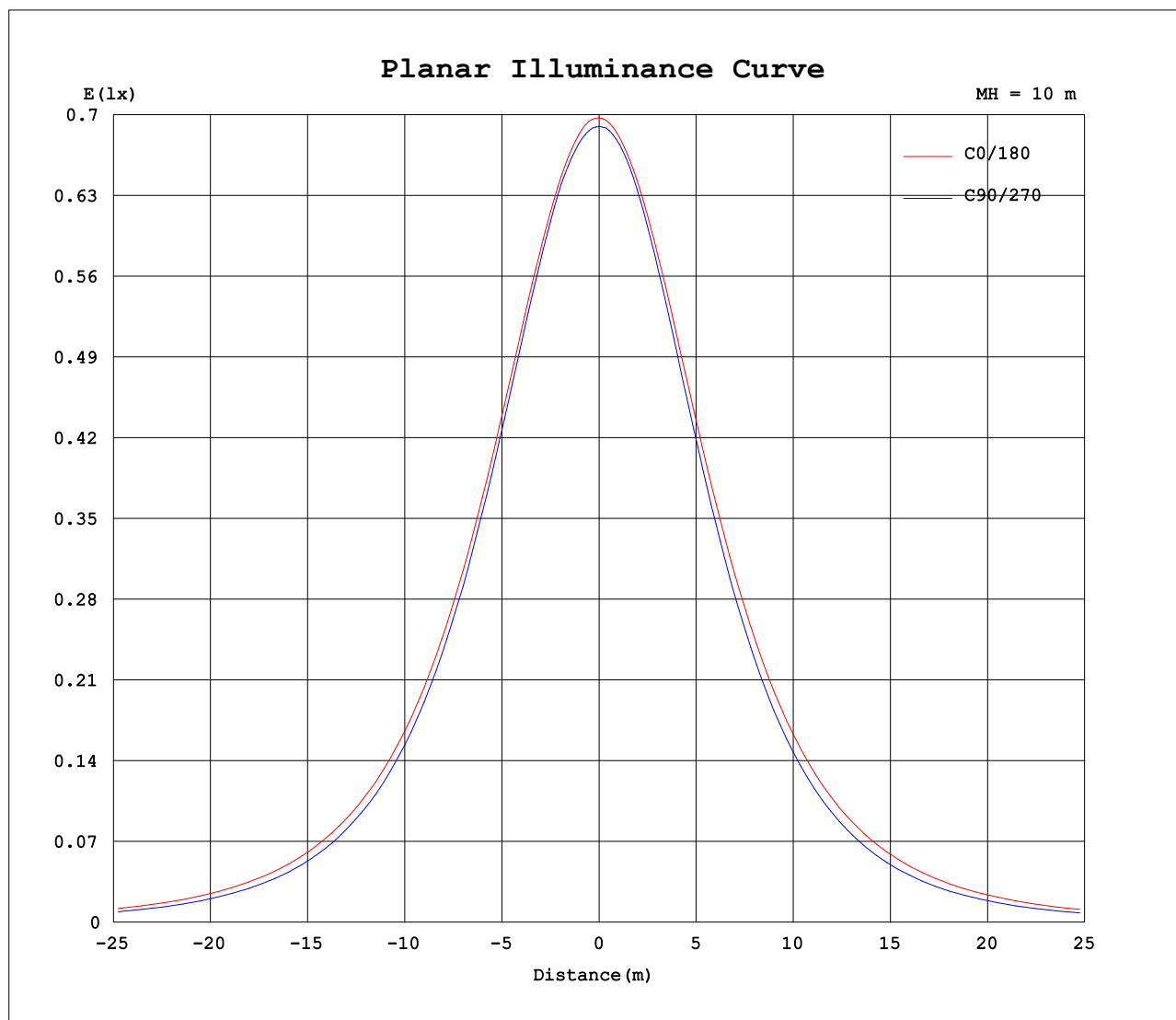
AvgL	cd/m2
L_0~180 (65) av	5278
L_0~180 (75) av	4857
L_0~180 (85) av	5000
L_90~270 (65) av	4163
L_90~270 (75) av	3007
L_90~270 (85) av	739
L_45 (65) av	5221
L_45 (75) av	4803
L_45 (85) av	4556

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-30

γ Range: 0 - 120DEG
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: 2021-12-30

γ Range: 0 - 120DEG
 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:0.6021A P:14.45W PF:1.000 Freq:50.00Hz Lamp Flux:199.136x1 lm		
NAME: SF15-24V-5050-56-DMX4SM-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123020
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	69.7	69.5	69.2	69.0	68.8	68.6	69.7	69.5	69.2	69.0	68.8	68.6						
5	69.5	69.3	69.0	68.7	68.5	68.3	69.3	69.1	68.8	68.7	68.6	68.5						
10	68.6	68.4	68.2	67.9	67.5	67.2	68.3	68.0	67.8	67.6	67.7	67.7						
15	67.1	67.1	66.6	66.1	65.8	65.6	66.7	66.3	65.9	65.6	65.8	66.1						
20	65.0	65.0	64.3	63.7	63.5	63.5	64.5	64.0	63.5	62.9	63.4	63.7						
25	62.3	62.5	61.3	60.7	60.7	60.8	61.8	61.2	60.7	59.6	60.3	61.1						
30	59.1	59.2	57.9	57.1	57.4	57.6	58.5	57.9	57.4	55.8	56.6	58.1						
35	55.5	55.6	54.1	53.0	53.7	53.8	54.8	54.2	53.7	51.5	52.8	54.5						
40	51.4	51.5	50.0	48.5	49.6	49.8	50.7	50.1	49.6	46.7	48.9	50.6						
45	46.9	47.0	45.6	43.5	45.1	45.3	46.1	45.5	45.2	41.8	44.9	46.2						
50	42.1	42.3	40.9	38.3	40.3	40.4	41.2	40.6	40.4	36.4	40.4	41.6						
55	37.1	37.3	36.0	32.7	35.2	35.2	36.0	35.4	35.3	30.9	35.4	36.6						
60	31.8	32.0	30.8	27.0	29.9	29.9	30.5	30.1	29.9	25.1	30.3	31.5						
65	26.3	26.6	25.4	21.2	24.4	24.4	25.0	24.5	24.4	19.3	25.1	26.1						
70	20.8	21.0	20.0	15.4	18.7	18.7	19.3	18.8	18.7	13.6	19.7	20.7						
75	15.2	15.4	14.5	9.76	13.2	13.2	13.7	13.3	13.1	8.14	14.2	15.2						
80	9.89	10.0	9.19	4.64	7.93	8.23	8.65	8.13	7.88	3.34	8.98	9.87						
85	5.39	5.41	4.48	0.98	3.68	4.34	4.63	4.15	3.49	0.50	4.29	5.20						
90	2.62	2.52	1.74	0.63	1.51	1.98	1.99	1.70	1.12	0.36	1.42	2.32						
95	1.27	1.25	1.13	0.68	1.24	1.25	0.88	0.93	0.78	0.35	0.82	1.03						
100	0.90	1.04	1.08	0.75	1.21	1.22	0.84	0.82	0.77	0.44	0.77	0.69						
105	0.91	1.08	0.98	0.84	1.02	1.20	0.84	0.63	0.71	0.52	0.68	0.72						
110	0.91	1.11	1.10	0.86	1.12	0.85	0.84	0.45	0.82	0.53	0.82	0.76						
115	0.93	0.78	1.13	0.91	1.17	0.49	0.85	0.26	0.76	0.58	0.82	0.79						
120	0.96	0.22	1.05	0.95	1.18	0.14	0.86	0.07	0.22	0.63	0.71	0.85						
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-30

γ Range: 0 - 120DEG
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	69.73	69.46	69.21	68.99	68.81	68.65	69.73	69.46	69.21	68.99
3.0	69.71	69.41	69.20	68.89	68.71	68.47	69.58	69.30	69.05	68.91
6.0	69.39	69.15	68.91	68.59	68.34	68.10	69.18	68.89	68.66	68.55
9.0	68.84	68.66	68.41	68.07	67.73	67.48	68.57	68.26	68.06	67.91
12.0	68.08	67.96	67.69	67.29	66.93	66.65	67.75	67.38	67.14	66.88
15.0	67.08	67.05	66.59	66.11	65.80	65.63	66.73	66.31	65.94	65.61
18.0	65.89	65.90	65.27	64.72	64.47	64.43	65.48	65.04	64.53	64.08
21.0	64.49	64.53	63.71	63.14	62.95	62.97	64.01	63.49	63.01	62.31
24.0	62.88	63.03	61.96	61.35	61.24	61.39	62.39	61.86	61.30	60.29
27.0	61.10	61.14	60.05	59.35	59.41	59.60	60.53	59.99	59.43	58.16
30.0	59.13	59.23	57.94	57.13	57.40	57.56	58.52	57.92	57.43	55.77
33.0	56.99	57.07	55.66	54.78	55.21	55.44	56.36	55.77	55.28	53.22
36.0	54.70	54.75	53.30	52.21	52.89	53.08	54.01	53.42	52.96	50.54
39.0	52.25	52.35	50.84	49.40	50.42	50.57	51.52	50.89	50.49	47.69
42.0	49.65	49.78	48.26	46.57	47.81	48.03	48.88	48.24	47.90	44.77
45.0	46.94	47.05	45.60	43.55	45.09	45.30	46.10	45.55	45.20	41.76
48.0	44.09	44.29	42.81	40.38	42.23	42.39	43.17	42.56	42.36	38.57
51.0	41.16	41.32	39.96	37.21	39.28	39.41	40.15	39.68	39.35	35.31
54.0	38.15	38.27	36.97	33.80	36.27	36.27	37.04	36.45	36.29	32.01
57.0	35.02	35.18	33.94	30.51	33.12	33.16	33.84	33.34	33.15	28.60
60.0	31.82	31.99	30.79	27.03	29.89	29.87	30.55	30.08	29.92	25.06
63.0	28.55	28.72	27.60	23.51	26.60	26.56	27.22	26.74	26.61	21.61
66.0	25.24	25.43	24.38	20.06	23.26	23.24	23.84	23.34	23.26	18.14
69.0	21.88	22.08	21.06	16.52	19.84	19.84	20.43	19.95	19.86	14.69
72.0	18.55	18.72	17.78	13.05	16.50	16.50	17.01	16.62	16.46	11.39
75.0	15.22	15.43	14.49	9.761	13.16	13.23	13.70	13.27	13.11	8.142
78.0	11.96	12.11	11.27	6.590	9.952	10.14	10.59	10.06	9.876	5.100
81.0	8.880	9.032	8.186	3.786	6.935	7.310	7.731	7.185	6.890	2.515
84.0	6.136	6.233	5.313	1.552	4.366	5.004	5.339	4.822	4.238	0.6281
87.0	4.088	4.036	3.038	0.7030	2.519	3.197	3.412	2.956	2.262	0.3624
90.0	2.623	2.525	1.737	0.6284	1.505	1.978	1.992	1.702	1.124	0.3565
93.0	1.666	1.611	1.222	0.6585	1.252	1.371	1.159	1.057	0.7890	0.3506
96.0	1.117	1.150	1.121	0.6987	1.236	1.236	0.8443	0.9048	0.7800	0.3567
99.0	0.8950	1.033	1.091	0.7289	1.221	1.227	0.8393	0.8573	0.7691	0.3868
102.0	0.9003	1.055	1.061	0.8245	1.176	1.214	0.8393	0.7455	0.7582	0.5122
105.0	0.9056	1.078	0.9801	0.8396	1.020	1.201	0.8393	0.6337	0.7139	0.5161
108.0	0.9109	1.101	1.050	0.8546	1.090	0.9887	0.8408	0.5218	0.7742	0.5201
111.0	0.9296	1.110	1.125	0.8696	1.161	0.7768	0.8451	0.4100	0.8544	0.5396
114.0	0.9288	0.8902	1.132	0.8997	1.165	0.5649	0.8496	0.2982	0.8694	0.5578
117.0	0.9348	0.5564	1.139	0.9248	1.170	0.3531	0.8545	0.1864	0.5434	0.6231
120.0	0.9599	0.2225	1.045	0.9499	1.181	0.1412	0.8594	0.0745	0.2174	0.6333
G/C	300.0	330.0								
0.0	68.81	68.65								
3.0	68.74	68.65								
6.0	68.45	68.38								
9.0	67.92	67.87								
12.0	67.00	67.12								
15.0	65.82	66.10								
18.0	64.42	64.83								
21.0	62.80	63.17								
24.0	60.95	61.64								
27.0	58.85	59.85								
30.0	56.64	58.14								
33.0	54.32	56.02								
36.0	51.99	53.79								
39.0	49.71	51.41								
42.0	47.38	48.87								
45.0	44.95	46.25								
48.0	42.24	43.45								
51.0	39.41	40.58								
54.0	36.45	37.65								
57.0	33.44	34.60								
60.0	30.33	31.49								
63.0	27.19	28.31								
66.0	24.01	25.06								
69.0	20.75	21.78								
72.0	17.47	18.47								
75.0	14.21	15.16								
78.0	11.02	11.89								
81.0	7.976	8.859								
84.0	5.152	6.010								
87.0	2.809	3.821								
90.0	1.425	2.321								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-30

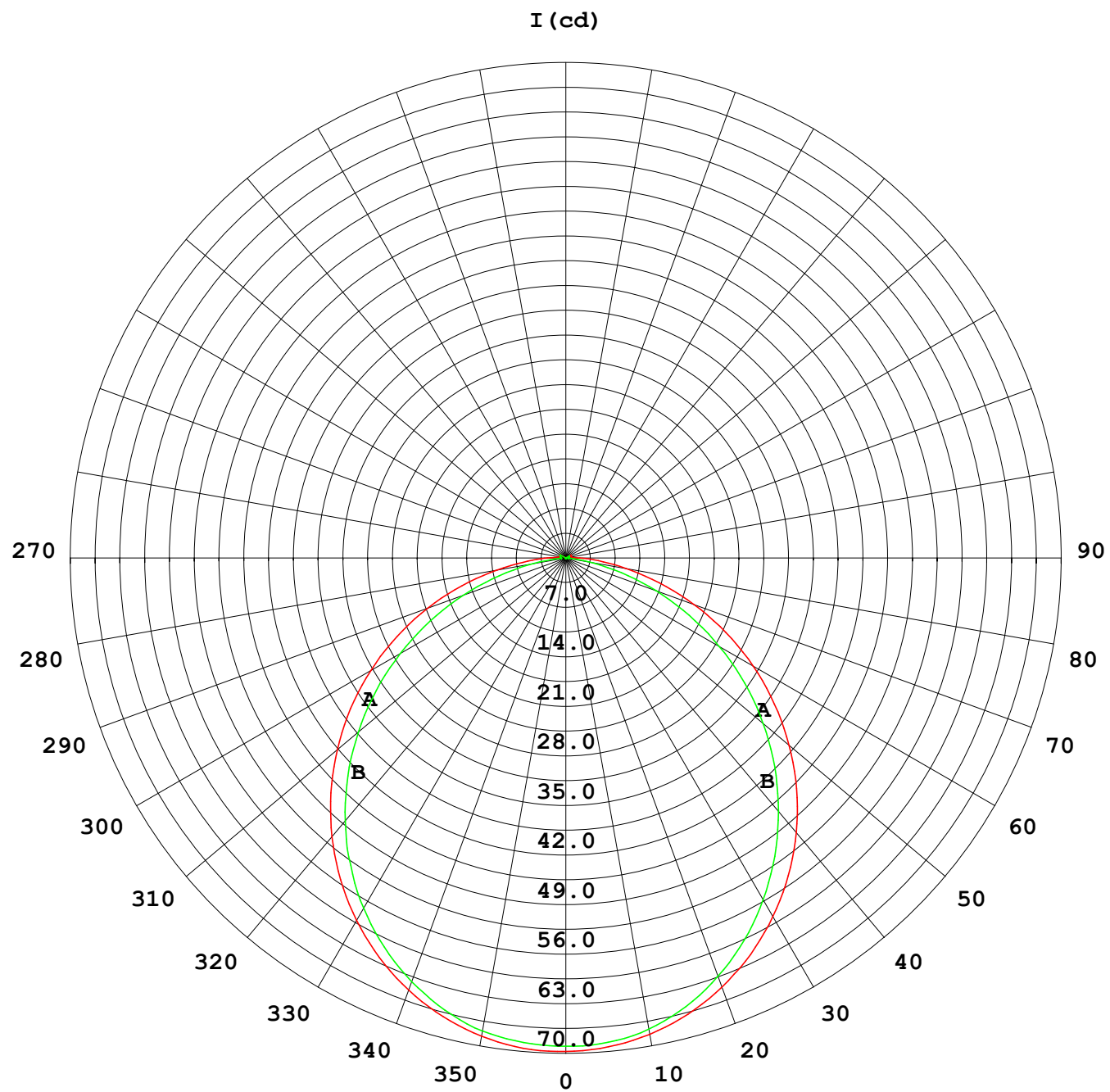
γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

93.0	0.8336	1.404
96.0	0.8068	0.9010
99.0	0.7800	0.6991
102.0	0.7532	0.6935
105.0	0.6790	0.7236
108.0	0.7741	0.7538
111.0	0.8543	0.7689
114.0	0.8441	0.7815
117.0	0.7937	0.7940
120.0	0.7136	0.8544

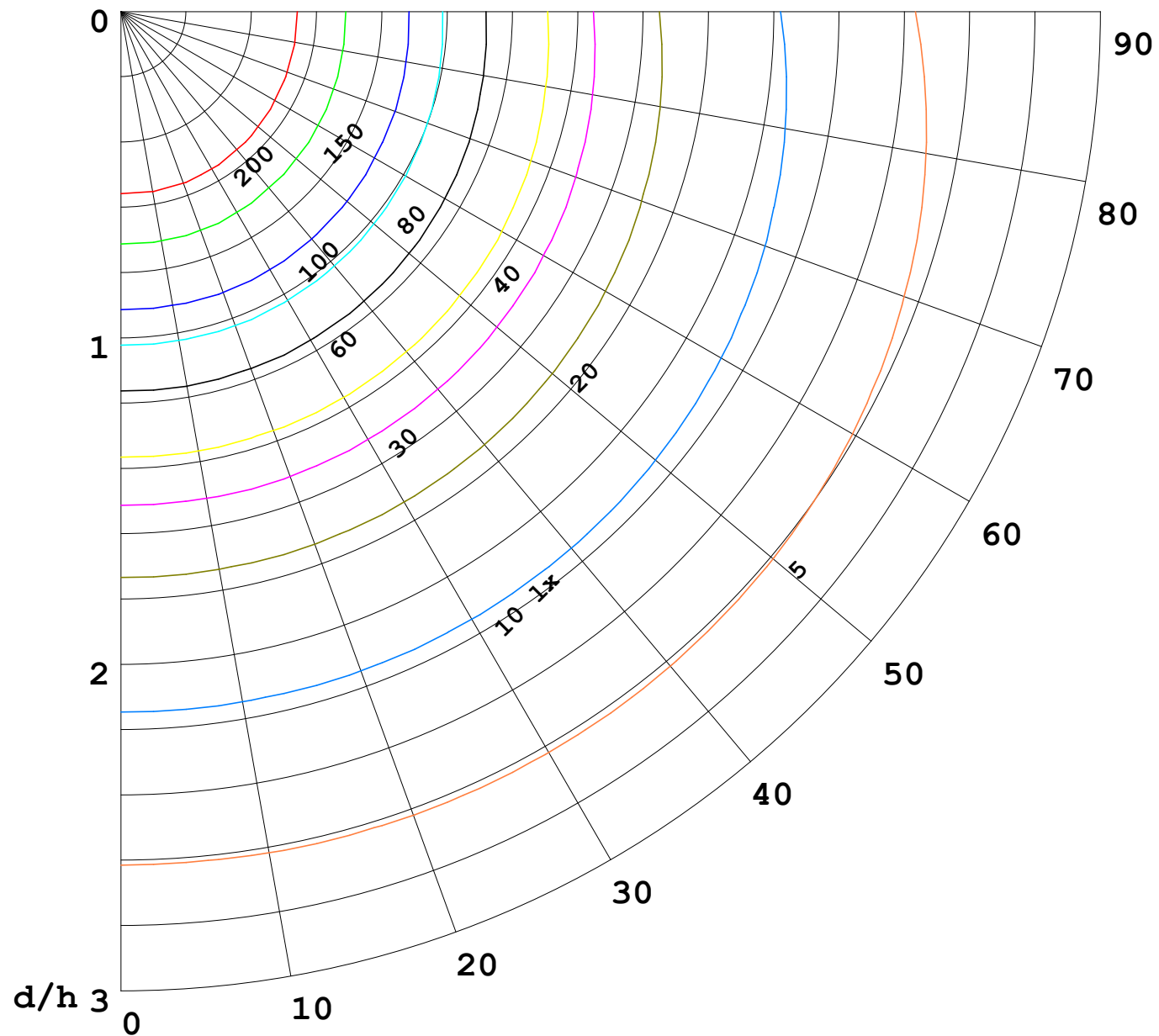
C Range: 0 - 360DEG
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Test Speed: HIGH
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γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:



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

