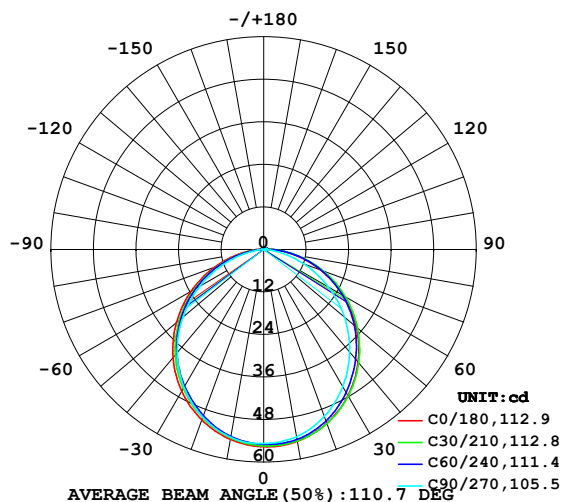


## LUMINAIRE PHOTOMETRIC TEST REPORT

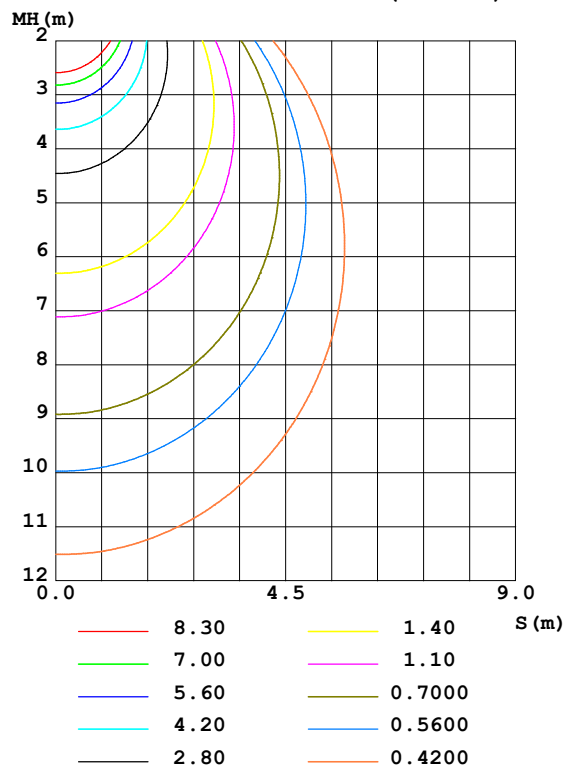
Test:U:24.00V I:0.6590A P:15.82W PF:1.000 Freq:50.00Hz Lamp Flux:159.074x1 lm		
NAME: SF15-24V-5050-72-RGB	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122708
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 10.06 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	55.68	S/MH (C0/180)	1.24
NOMINAL POWER (W)	13	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	159.07	η UP, DN (C0-180)	0.8, 48.6
NOMINAL FLUX (lm)	159.074	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.7, 49.8
LAMPS INSIDE	1	η up (%)	1.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	98.5	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: 2021-12-27

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	54.93	54.62	53.66	52.66	54.38	53.76	53.82	54.49	0- 10	5.202	5.202	3.27,3.27
20	52.15	51.88	50.09	48.79	51.16	50.17	50.33	52.02	10- 20	14.85	20.05	12.6,12.6
30	47.58	47.16	44.68	43.35	46.22	45.00	44.95	47.82	20- 30	22.35	42.40	26.7,26.7
40	41.48	41.07	37.74	36.63	39.79	38.49	37.97	42.30	30- 40	26.78	69.18	43.5,43.5
50	34.14	33.99	29.80	28.89	32.16	30.84	29.77	35.64	40- 50	27.68	96.87	60.9,60.9
60	25.96	26.13	21.02	20.50	23.69	22.35	20.80	27.85	50- 60	25.01	121.9	76.6,76.6
70	17.26	17.70	12.13	11.88	14.87	13.52	11.65	19.39	60- 70	19.23	141.1	88.7,88.7
80	8.677	9.235	3.888	4.295	6.556	5.279	3.298	10.71	70- 80	11.43	152.5	95.9,95.9
90	2.436	2.355	0.5227	0.9902	1.480	1.016	0.2724	3.089	80- 90	4.085	156.6	98.5,98.5
100	0.7239	0.8122	0.5982	0.9527	0.7314	0.6560	0.3214	0.6518	90-100	1.094	157.7	99.1,99.1
110	0.7446	0.8543	0.6875	0.8591	0.7050	0.6620	0.4523	0.5981	100-110	0.7419	158.5	99.6,99.6
120	0.3115	0.4666	0.2413	0.2580	0.1565	0.1305	0.4825	0.6282	110-120	0.6013	159.1	100,100
130	0	0	0	0	0	0	0	0	120-130	0.0222	159.1	100,100
140	0	0	0	0	0	0	0	0	130-140	0	159.1	100,100
150	0	0	0	0	0	0	0	0	140-150	0	159.1	100,100
160	0	0	0	0	0	0	0	0	150-160	0	159.1	100,100
170	0	0	0	0	0	0	0	0	160-170	0	159.1	100,100
180	0	0	0	0	0	0	0	0	170-180	0	159.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 83.139 lm

%lum = 52.3%

%lamp = 52.3%

Conical surface Flux(120deg): 121.87 lm

%lum = 76.6%

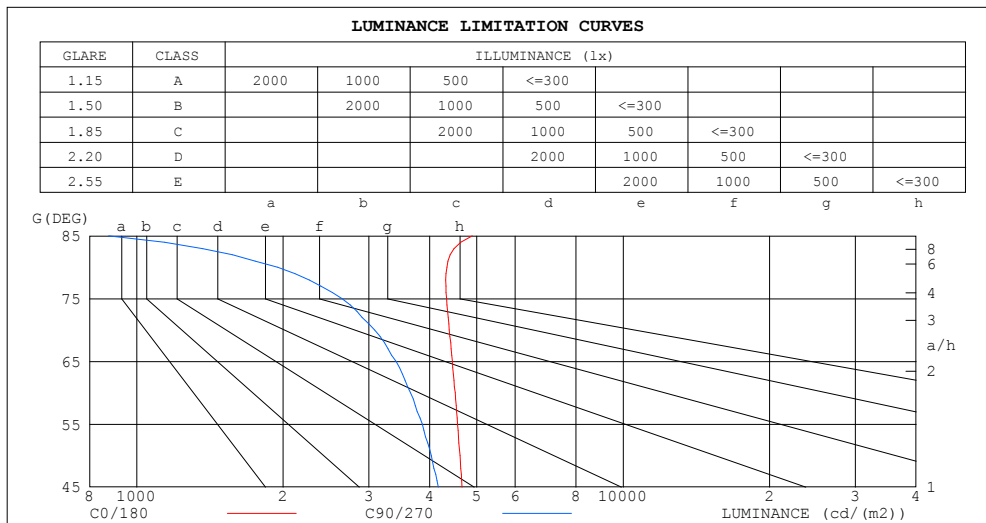
%lamp = 76.6%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-27

$\gamma$  Range: 0 - 120DEG  
 $\gamma$  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:0.6590A P:15.82W PF:1.000 Freq:50.00Hz Lamp Flux:159.074x1 lm		
NAME: SF15-24V-5050-72-RGB	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122708
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4896	875
80	4345	1947
75	4338	2644
70	4387	3085
65	4453	3413
60	4515	3656
55	4567	3862
50	4618	4031
45	4665	4168

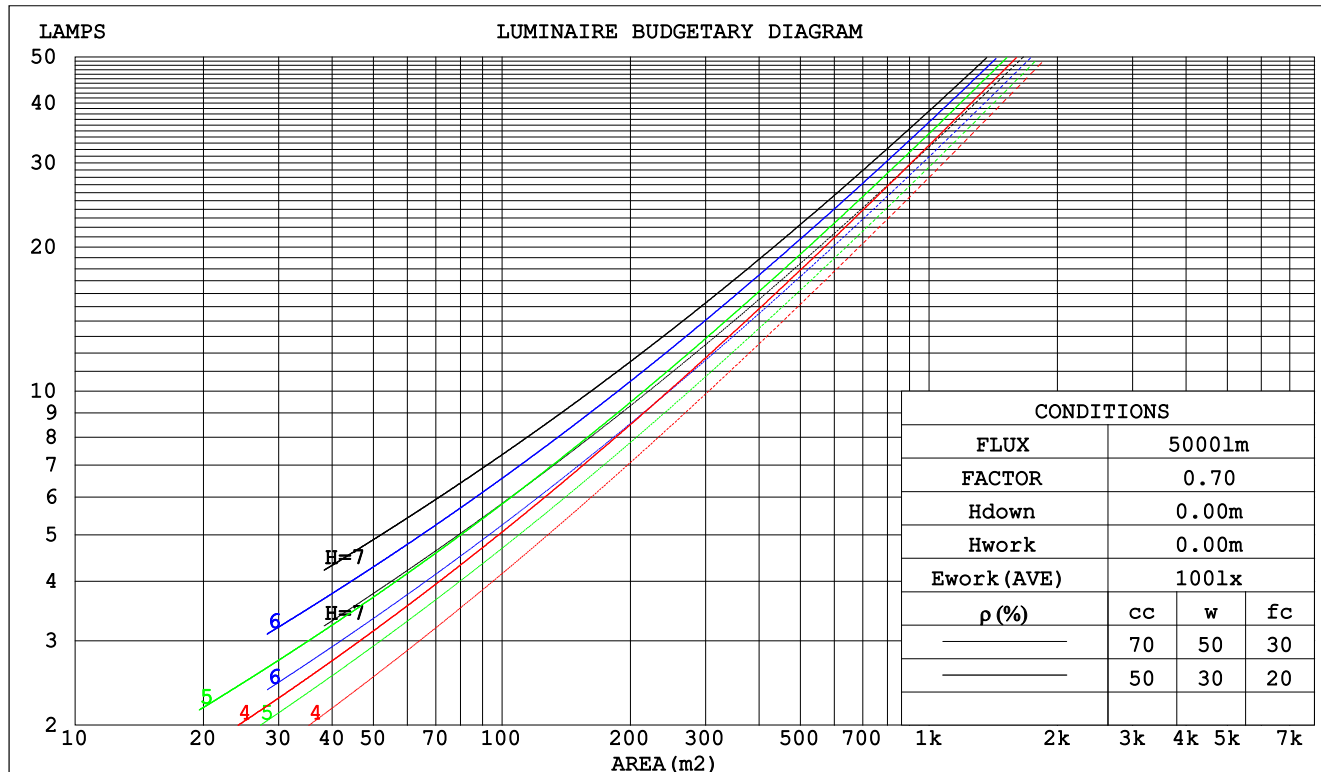
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-27

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:0.6590A P:15.82W PF:1.000 Freq:50.00Hz Lamp Flux:159.074x1 lm		
NAME: SF15-24V-5050-72-RGB	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122708
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	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	.98
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.41	.36	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.30	.26	.36	.30	.25	.35	.30	.25	.24



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-27

$\gamma$  Range: 0 - 120DEG  
 $\gamma$  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:0.6590A P:15.82W PF:1.000 Freq:50.00Hz Lamp Flux:159.074x1 lm		
NAME: SF15-24V-5050-72-RGB	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122708
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 Coeffcients (WEC)									
0.0																
1.0	.317	.181	.057	.310	.177	.056	.296	.170	.054	.283	.163	.052	.271	.157	.051	
2.0	.295	.162	.050	.289	.159	.049	.276	.154	.048	.265	.148	.046	.254	.144	.045	
3.0	.272	.145	.043	.266	.143	.043	.255	.138	.042	.245	.134	.041	.235	.130	.040	
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.226	.121	.037	.218	.118	.036	
5.0	.231	.118	.034	.226	.116	.034	.218	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.214	.107	.031	.210	.106	.031	.202	.104	.030	.195	.101	.030	.188	.099	.029	
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.175	.091	.027	
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.170	.086	.025	.165	.084	.025	
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.164	.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	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.193	.168	.146	.165	.144	.125	.113	.099	.087	.065	.057	.050	.021	.018	.016	
2.0	.185	.144	.110	.158	.124	.095	.108	.086	.066	.063	.050	.039	.020	.016	.013	
3.0	.177	.126	.086	.152	.109	.075	.104	.076	.052	.060	.044	.031	.019	.014	.010	
4.0	.169	.113	.070	.145	.098	.061	.100	.068	.043	.058	.040	.025	.019	.013	.008	
5.0	.162	.103	.059	.139	.089	.051	.096	.062	.036	.055	.036	.022	.018	.012	.007	
6.0	.155	.094	.051	.133	.082	.045	.092	.057	.032	.053	.034	.019	.017	.011	.006	
7.0	.148	.088	.045	.127	.076	.040	.088	.053	.028	.051	.031	.017	.016	.010	.006	
8.0	.141	.082	.041	.122	.071	.036	.084	.050	.025	.049	.029	.015	.016	.010	.005	
9.0	.135	.077	.037	.116	.067	.033	.081	.047	.023	.047	.028	.014	.015	.009	.005	
10.0	.129	.073	.035	.112	.063	.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:2021-12-27

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:0.6590A P:15.82W PF:1.000 Freq:50.00Hz Lamp Flux:159.074x1 lm											
NAME: SF15-24V-5050-72-RGB						TYPE:硅胶			WEIGHT:		
SPEC.:						DIM.: 21mm*11.5mm			SERIAL No.:2021122708		
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	24.8	26.3	25.1	26.5	26.7	24.2	25.7	24.4	25.9	26.1	
	3H	26.5	27.9	26.8	28.1	28.4	25.5	26.9	25.9	27.2	27.5
	4H	27.2	28.5	27.6	28.8	29.1	26.0	27.4	26.4	27.6	27.9
	6H	27.8	29.1	28.2	29.4	29.7	26.3	27.6	26.7	27.9	28.2
	8H	28.1	29.3	28.4	29.6	29.9	26.4	27.6	26.7	27.9	28.2
	12H	28.3	29.4	28.7	29.8	30.1	26.4	27.5	26.7	27.8	28.2
4H	2H	25.4	26.7	25.8	27.0	27.3	25.0	26.3	25.3	26.6	26.9
	3H	27.4	28.5	27.7	28.8	29.2	26.6	27.8	27.0	28.1	28.5
	4H	28.3	29.3	28.6	29.7	30.0	27.3	28.4	27.7	28.8	29.1
	6H	29.0	30.0	29.4	30.3	30.7	27.8	28.7	28.2	29.1	29.5
	8H	29.3	30.2	29.8	30.6	31.0	27.9	28.8	28.3	29.2	29.6
	12H	29.6	30.4	30.1	30.8	31.3	27.9	28.7	28.4	29.2	29.6
8H	4H	28.6	29.5	29.0	29.9	30.3	27.8	28.7	28.3	29.1	29.5
	6H	29.6	30.3	30.1	30.8	31.2	28.6	29.3	29.0	29.7	30.2
	8H	30.0	30.7	30.5	31.1	31.6	28.8	29.5	29.3	29.9	30.4
	12H	30.5	31.0	31.0	31.5	32.0	29.0	29.5	29.5	30.0	30.5
12H	4H	28.6	29.4	29.1	29.9	30.3	27.9	28.7	28.4	29.1	29.6
	6H	29.7	30.3	30.2	30.8	31.3	28.7	29.4	29.2	29.8	30.3
	8H	30.2	30.8	30.7	31.2	31.8	29.1	29.6	29.6	30.1	30.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.3 / - 0.4					
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.5					

CIE Pub.117, 159.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.4)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-27

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:0.6590A P:15.82W PF:1.000 Freq:50.00Hz Lamp Flux:159.074x1 lm		
NAME: SF15-24V-5050-72-RGB	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122708
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

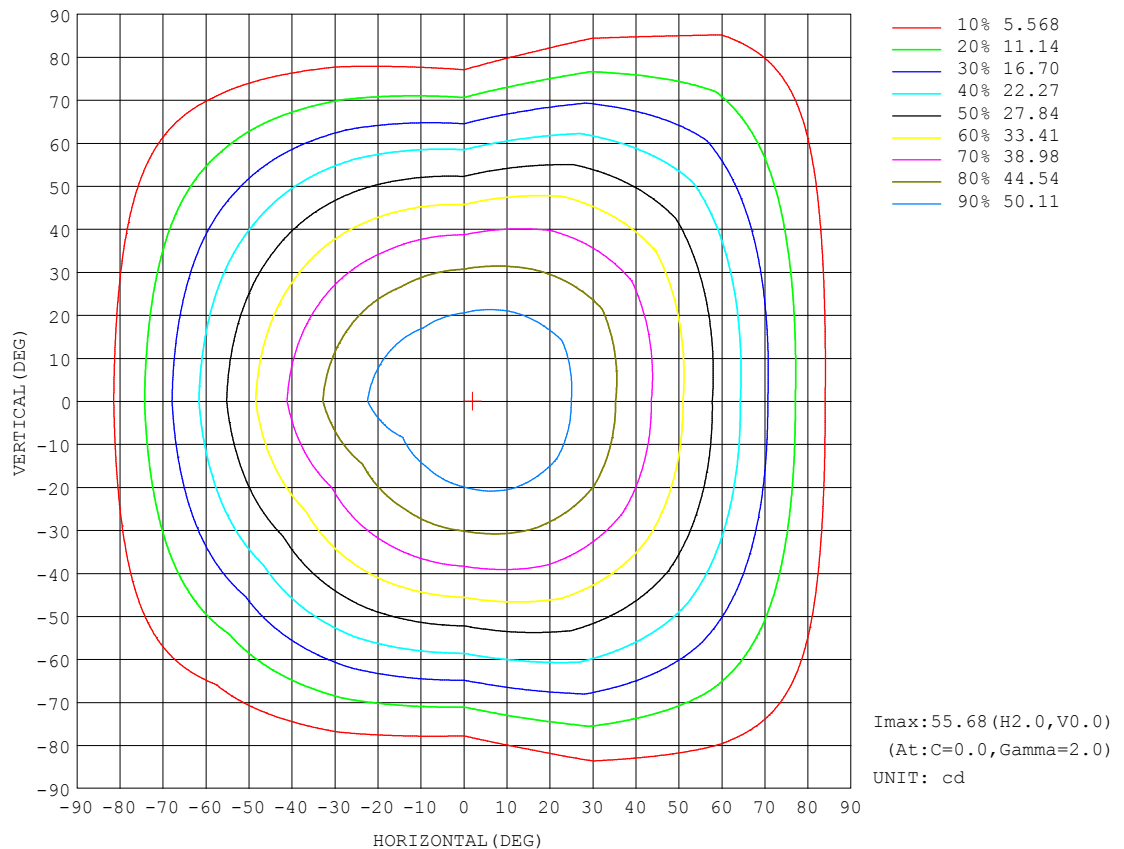
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	56	74	63	56	71	65	56	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	82	76	68
2.50	98	90	84	96	88	83	92	86	81	72
3.00	101	94	88	99	93	87	95	89	85	76
4.00	105	99	95	103	98	93	98	94	90	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:2021-12-27

$\gamma$  Range: 0 - 120DEG  
 $\gamma$  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:0.6590A P:15.82W PF:1.000 Freq:50.00Hz Lamp Flux:159.074x1 lm		
NAME: SF15-24V-5050-72-RGB	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122708
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



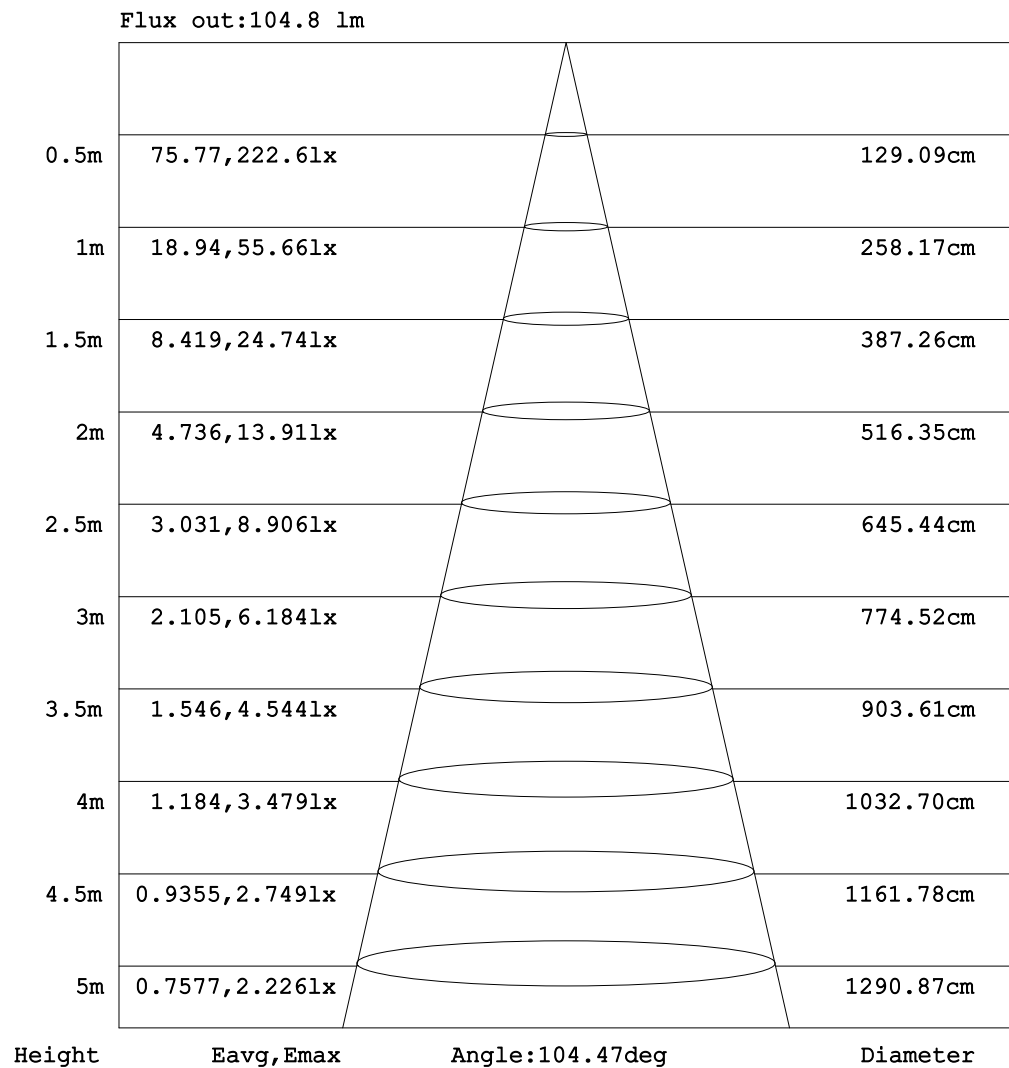
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-27

$\gamma$  Range: 0 - 120DEG  
 $\gamma$  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:0.6590A P:15.82W PF:1.000 Freq:50.00Hz Lamp Flux:159.074x1 lm		
NAME: SF15-24V-5050-72-RGB	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122708
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



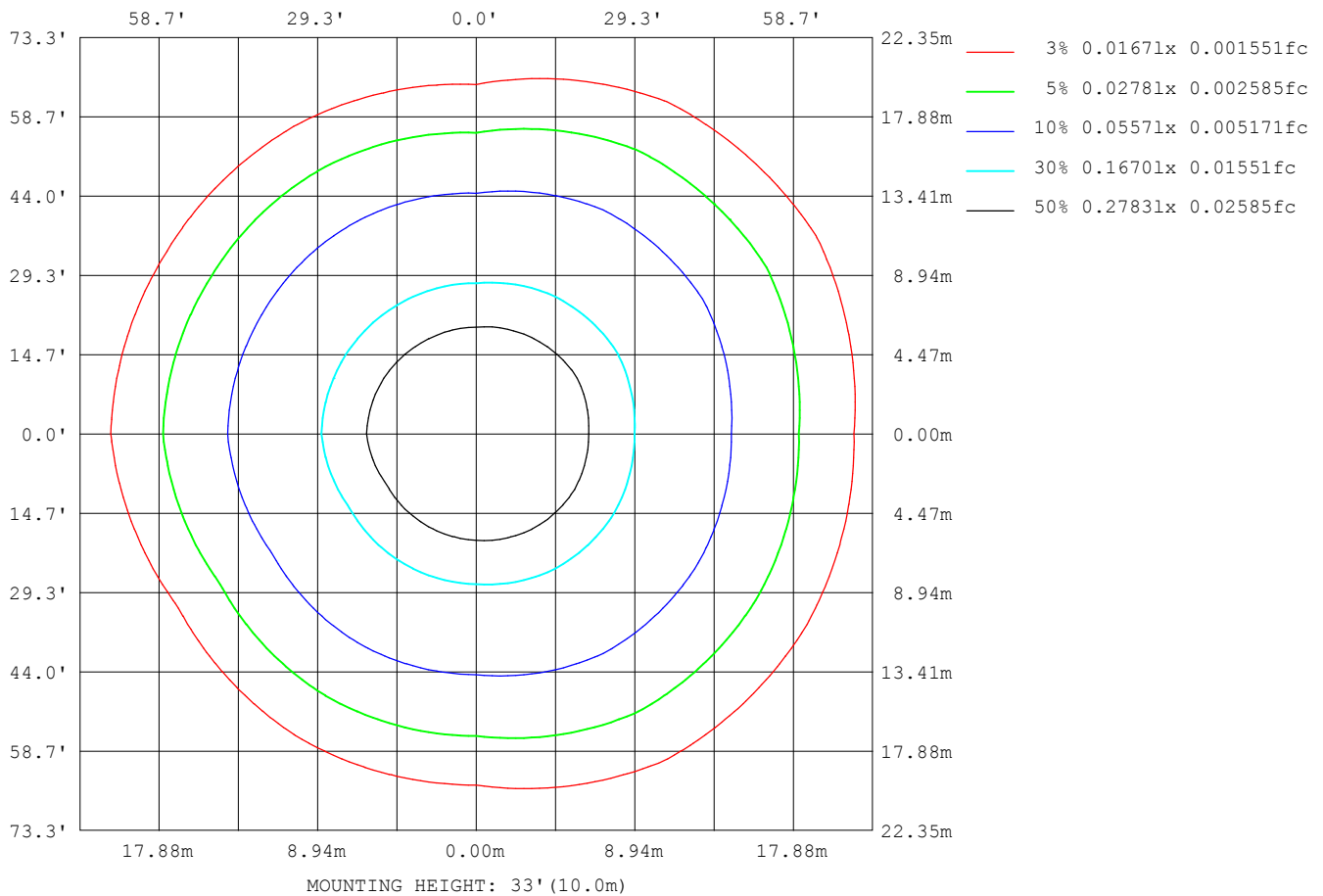
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-12-27

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:0.6590A P:15.82W PF:1.000 Freq:50.00Hz Lamp Flux:159.074x1 lm		
NAME: SF15-24V-5050-72-RGB	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122708
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:2021-12-27

$\gamma$  Range: 0 - 120DEG  
 $\gamma$  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:0.6590A P:15.82W PF:1.000 Freq:50.00Hz Lamp Flux:159.074x1 lm		
NAME: SF15-24V-5050-72-RGB	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122708
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

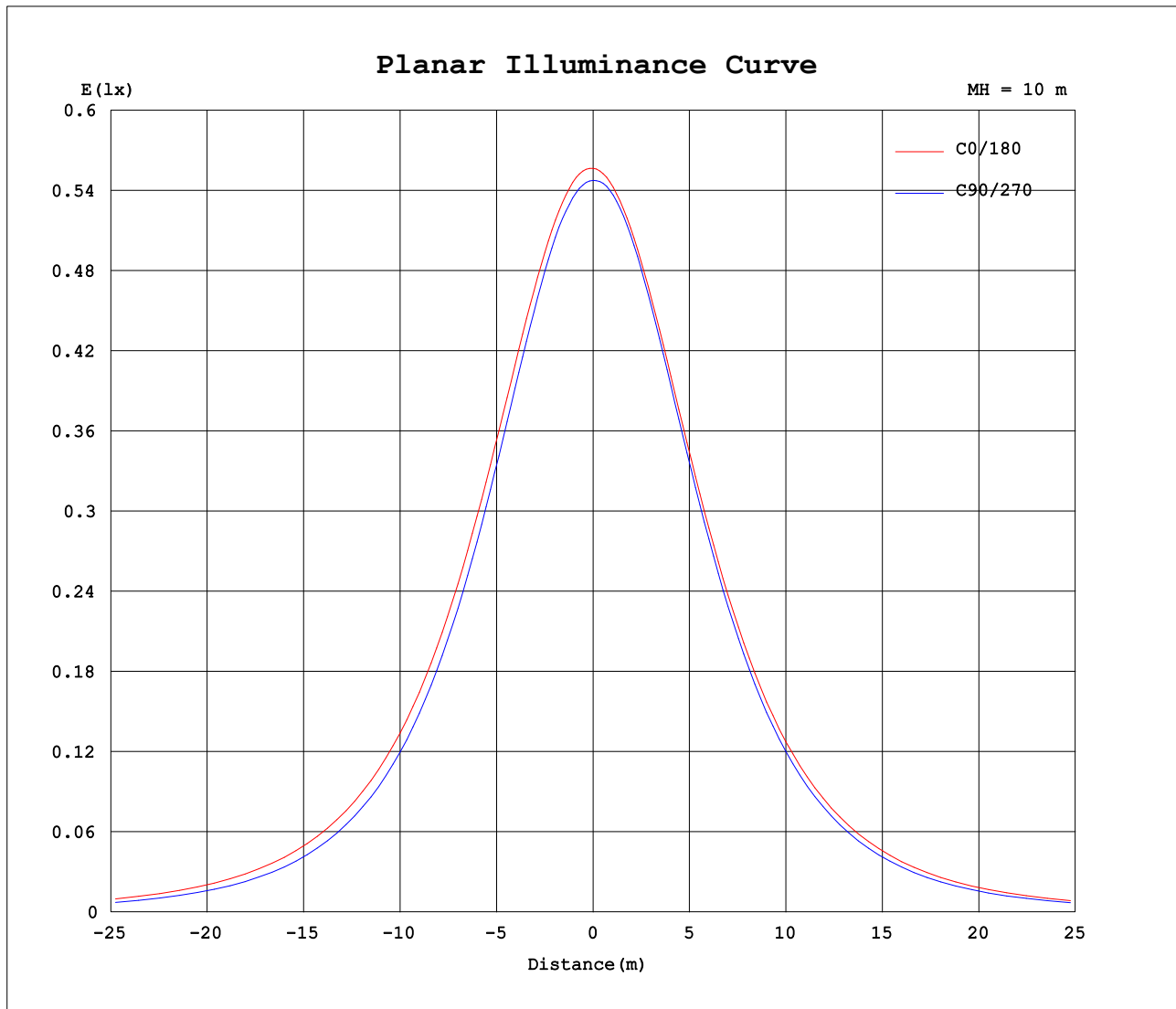
AvgL	cd/m2
L_0~180 (65) av	4210
L_0~180 (75) av	3936
L_0~180 (85) av	4183
L_90~270 (65) av	3377
L_90~270 (75) av	2543
L_90~270 (85) av	677
L_45 (65) av	4141
L_45 (75) av	3892
L_45 (85) av	4216

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-27

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: 2021-12-27

$\gamma$  Range: 0 - 120DEG  
 $\gamma$  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:0.6590A P:15.82W PF:1.000 Freq:50.00Hz Lamp Flux:159.074x1 lm		
NAME: SF15-24V-5050-72-RGB	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122708
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	55.7	55.4	55.0	54.8	54.7	54.5	55.7	55.4	55.0	54.8	54.7	54.5						
5	55.6	55.4	55.0	54.4	54.0	53.7	55.3	55.0	54.5	54.6	54.7	54.8						
10	54.9	54.8	54.4	53.7	52.9	52.4	54.4	54.0	53.6	53.8	54.3	54.7						
15	53.8	53.8	53.2	52.2	51.2	50.7	53.0	52.5	52.0	52.4	53.2	53.9						
20	52.2	52.3	51.5	50.1	49.0	48.6	51.2	50.5	49.9	50.3	51.6	52.5						
25	50.1	50.2	49.2	47.6	46.5	46.0	48.9	48.1	47.4	47.9	49.4	50.7						
30	47.6	47.8	46.6	44.7	43.6	43.1	46.2	45.4	44.6	44.9	46.9	48.8						
35	44.7	44.9	43.6	41.3	40.4	39.8	43.2	42.3	41.5	41.6	44.1	46.2						
40	41.5	41.8	40.4	37.7	37.0	36.2	39.8	38.9	38.1	38.0	41.3	43.3						
45	37.9	38.3	37.0	33.9	33.3	32.4	36.1	35.1	34.5	34.0	38.2	40.1						
50	34.1	34.6	33.4	29.8	29.4	28.4	32.2	31.1	30.6	29.8	34.7	36.6						
55	30.1	30.6	29.6	25.5	25.3	24.2	28.0	26.9	26.5	25.4	30.9	32.8						
60	26.0	26.6	25.6	21.0	21.1	19.9	23.7	22.5	22.2	20.8	26.9	28.8						
65	21.6	22.4	21.5	16.6	16.8	15.6	19.3	18.1	17.8	16.2	22.7	24.7						
70	17.3	18.0	17.3	12.1	12.5	11.3	14.9	13.7	13.4	11.7	18.4	20.4						
75	12.9	13.7	13.2	7.87	8.36	7.26	10.5	9.37	9.03	7.27	14.0	16.1						
80	8.68	9.41	9.06	3.89	4.59	4.01	6.56	5.52	5.03	3.30	9.70	11.7						
85	4.91	5.45	5.20	0.88	1.89	1.83	3.48	2.67	1.97	0.48	5.65	7.57						
90	2.44	2.59	2.12	0.52	0.98	1.01	1.48	1.10	0.93	0.27	2.24	3.94						
95	1.17	1.20	0.97	0.56	0.96	0.99	0.75	0.77	0.79	0.29	0.79	1.73						
100	0.72	0.81	0.82	0.60	0.92	0.98	0.73	0.63	0.68	0.32	0.65	0.66						
105	0.73	0.83	0.75	0.66	0.81	0.97	0.71	0.67	0.58	0.44	0.54	0.56						
110	0.74	0.86	0.84	0.69	0.89	0.83	0.71	0.69	0.64	0.45	0.59	0.61						
115	0.76	0.50	0.87	0.72	0.94	0.48	0.55	0.69	0.43	0.47	0.63	0.64						
120	0.31	0.14	0.79	0.24	0.38	0.14	0.16	0.14	0.12	0.48	0.59	0.67						
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:2021-12-27

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	55.66	55.43	54.98	54.77	54.65	54.52	55.66	55.43	54.98	54.77
3.0	55.68	55.42	55.02	54.64	54.31	54.10	55.50	55.20	54.77	54.77
6.0	55.51	55.29	54.91	54.32	53.80	53.51	55.14	54.80	54.37	54.53
9.0	55.11	54.97	54.57	53.86	53.10	52.75	54.59	54.19	53.80	54.05
12.0	54.53	54.47	54.02	53.10	52.27	51.83	53.88	53.41	52.97	53.30
15.0	53.78	53.80	53.23	52.16	51.17	50.74	53.00	52.48	51.95	52.36
18.0	52.87	52.95	52.25	50.97	49.91	49.49	51.95	51.41	50.71	51.21
21.0	51.77	51.87	51.06	49.65	48.49	48.09	50.75	50.03	49.38	49.89
24.0	50.52	50.67	49.72	48.16	47.01	46.59	49.33	48.68	47.88	48.39
27.0	49.13	49.23	48.21	46.49	45.33	44.84	47.85	47.03	46.28	46.76
30.0	47.58	47.77	46.56	44.68	43.62	43.09	46.22	45.41	44.58	44.95
33.0	45.90	46.09	44.79	42.75	41.76	41.14	44.43	43.57	42.77	42.98
36.0	44.09	44.29	42.95	40.66	39.79	39.09	42.53	41.63	40.85	40.94
39.0	42.15	42.42	41.03	38.49	37.71	36.98	40.48	39.56	38.82	38.72
42.0	40.10	40.39	39.04	36.27	35.55	34.74	38.34	37.38	36.70	36.40
45.0	37.94	38.27	36.99	33.89	33.30	32.42	36.09	35.13	34.46	33.99
48.0	35.69	36.09	34.86	31.41	30.98	30.05	33.76	32.74	32.16	31.47
51.0	33.35	33.79	32.66	28.94	28.60	27.59	31.35	30.30	29.76	28.90
54.0	30.95	31.47	30.39	26.33	26.14	25.06	28.85	27.80	27.28	26.29
57.0	28.48	29.11	28.03	23.64	23.62	22.53	26.31	25.21	24.77	23.59
60.0	25.96	26.64	25.62	21.02	21.09	19.91	23.69	22.53	22.17	20.80
63.0	23.38	24.09	23.16	18.38	18.51	17.27	21.05	19.91	19.54	18.08
66.0	20.78	21.53	20.68	15.64	15.94	14.70	18.41	17.24	16.92	15.34
69.0	18.13	18.90	18.18	13.04	13.34	12.11	15.74	14.53	14.25	12.58
72.0	15.52	16.26	15.69	10.33	10.81	9.616	13.07	11.93	11.61	9.895
75.0	12.91	13.70	13.18	7.868	8.357	7.261	10.52	9.371	9.034	7.271
78.0	10.32	11.09	10.68	5.411	6.014	5.161	8.069	6.928	6.591	4.792
81.0	7.843	8.556	8.255	3.150	3.926	3.458	5.868	4.866	4.325	2.549
84.0	5.572	6.199	5.929	1.372	2.292	2.163	4.024	3.152	2.452	0.7195
87.0	3.755	4.101	3.797	0.5676	1.304	1.346	2.529	1.858	1.229	0.3122
90.0	2.436	2.595	2.116	0.5227	0.9754	1.005	1.480	1.097	0.9344	0.2724
93.0	1.560	1.616	1.233	0.5379	0.9600	0.9987	0.8682	0.7944	0.8459	0.2807
96.0	1.022	1.059	0.8904	0.5679	0.9539	0.9924	0.7460	0.7689	0.7575	0.2933
99.0	0.7395	0.8091	0.8317	0.5881	0.9295	0.9860	0.7350	0.6692	0.6934	0.3144
102.0	0.7280	0.8242	0.7822	0.6386	0.9051	0.9797	0.7241	0.6332	0.6632	0.3917
105.0	0.7342	0.8344	0.7538	0.6569	0.8142	0.9734	0.7132	0.6666	0.5780	0.4403
108.0	0.7404	0.8544	0.8038	0.6753	0.8343	0.9670	0.7056	0.6793	0.6083	0.4455
111.0	0.7467	0.7925	0.8592	0.6936	0.9194	0.7598	0.7047	0.6873	0.6687	0.4573
114.0	0.7639	0.5763	0.8744	0.7187	0.9447	0.5526	0.6259	0.6929	0.4863	0.4636
117.0	0.7789	0.3602	0.8745	0.6032	0.9448	0.3454	0.3912	0.5573	0.3040	0.4731
120.0	0.3115	0.1441	0.7890	0.2413	0.3779	0.1381	0.1565	0.1393	0.1216	0.4825
G/C	300.0	330.0								
0.0	54.65	54.52								
3.0	54.74	54.76								
6.0	54.69	54.83								
9.0	54.45	54.75								
12.0	53.93	54.41								
15.0	53.22	53.86								
18.0	52.30	53.10								
21.0	51.19	52.12								
24.0	49.91	51.14								
27.0	48.45	49.96								
30.0	46.90	48.75								
33.0	45.25	47.30								
36.0	43.58	45.68								
39.0	41.87	43.95								
42.0	40.08	42.09								
45.0	38.17	40.14								
48.0	36.08	38.04								
51.0	33.90	35.86								
54.0	31.64	33.60								
57.0	29.22	31.25								
60.0	26.89	28.81								
63.0	24.33	26.38								
66.0	21.80	23.84								
69.0	19.24	21.24								
72.0	16.59	18.68								
75.0	13.99	16.06								
78.0	11.42	13.41								
81.0	8.877	10.88								
84.0	6.434	8.372								
87.0	4.150	5.988								
90.0	2.242	3.936								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-12-27

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:

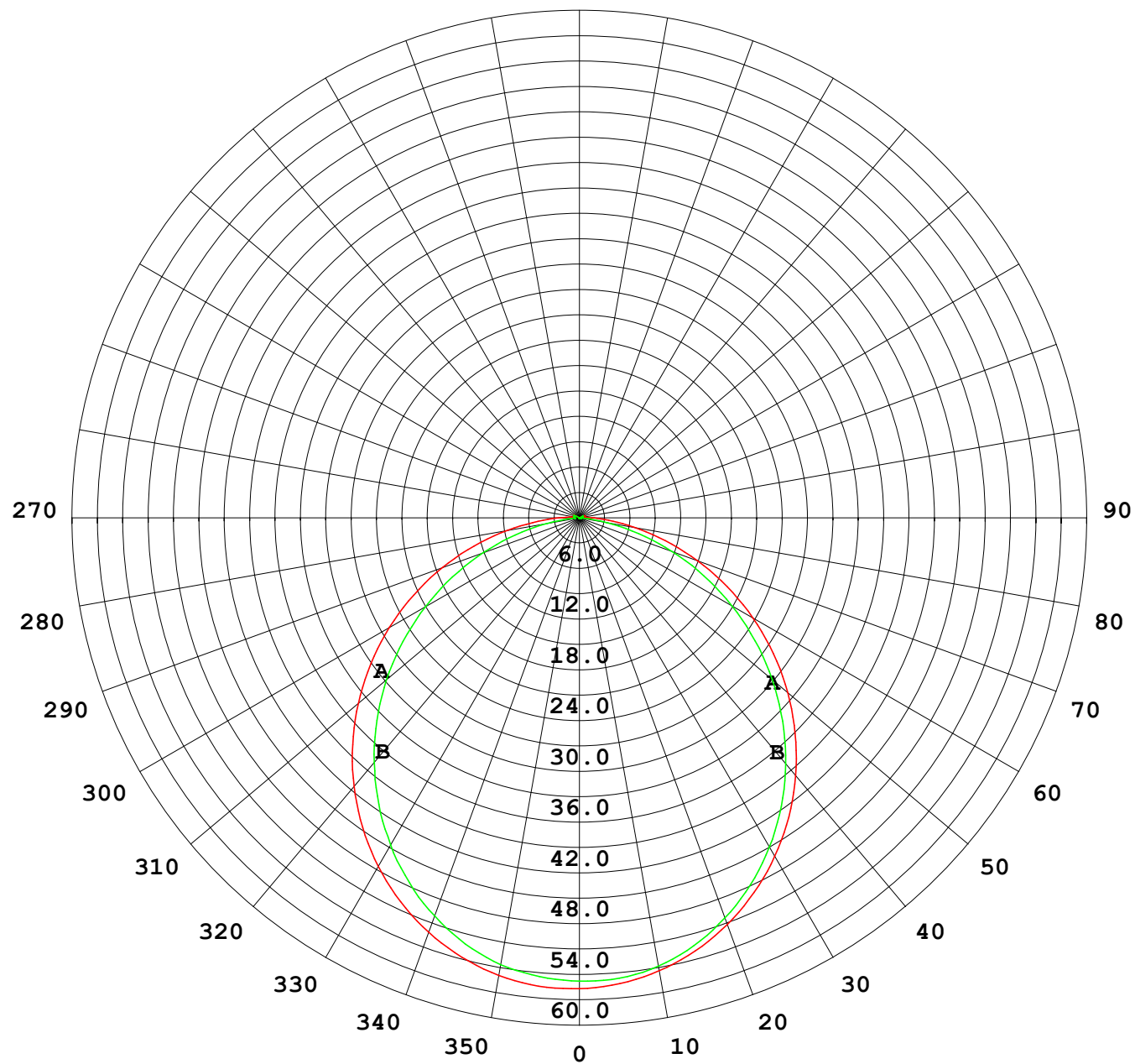
## Photometric Data Table [cd]

93.0	1.154	2.441
96.0	0.6881	1.480
99.0	0.6581	0.8764
102.0	0.6282	0.5631
105.0	0.5427	0.5628
108.0	0.5580	0.5946
111.0	0.5984	0.6147
114.0	0.6232	0.6319
117.0	0.6131	0.6476
120.0	0.5880	0.6684

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LPC  
Test Date: 2021-12-27

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:

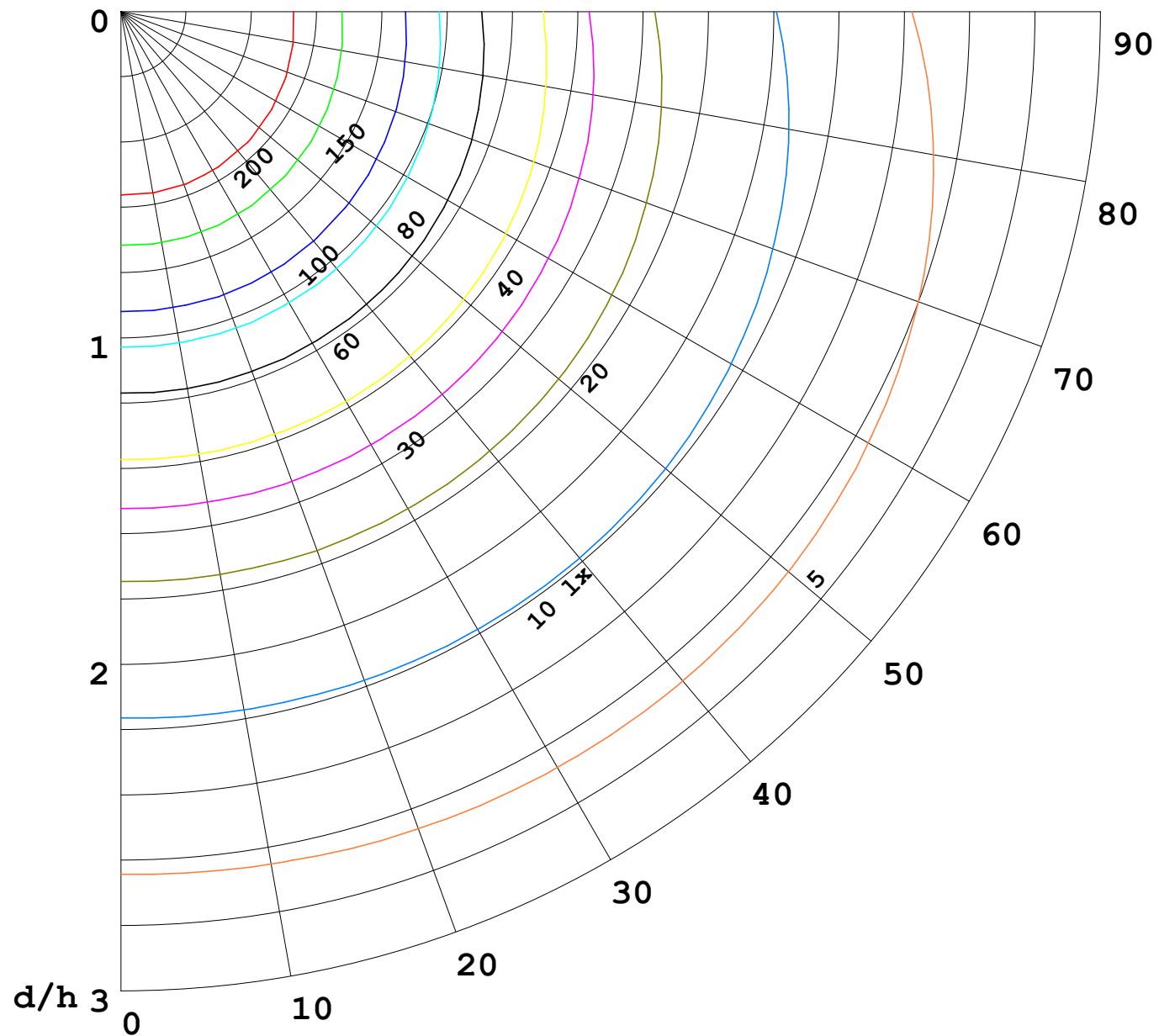
I (cd)





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

