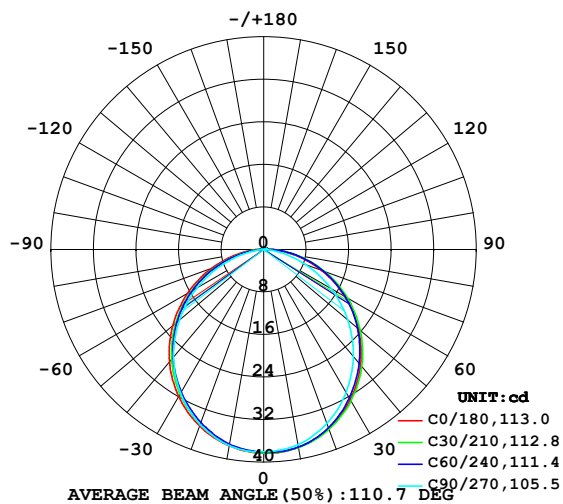


## LUMINAIRE PHOTOMETRIC TEST REPORT

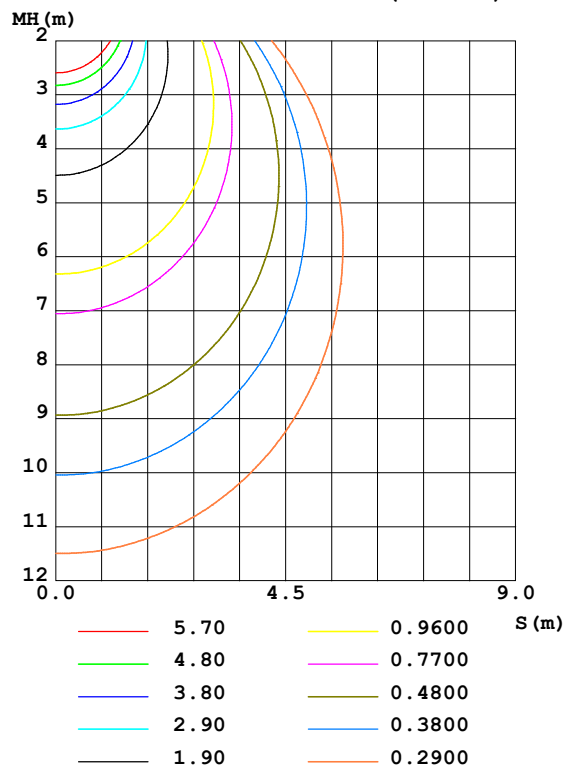
Test:U:24.00V I:0.2104A P:5.050W PF:1.000 Freq:50.00Hz Lamp Flux:110.172x1 lm		
NAME: SF15-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122706
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 21.82 lm/W
MODEL	5050	I <sub>max</sub> (cd)	38.33	S/MH (C0/180)	1.24	
NOMINAL POWER (W)	4.3	LOR (%)	100.0	S/MH (C90/270)	1.23	
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	110.17	η UP, DN (C0-180)	0.8, 48.6	
NOMINAL FLUX (lm)	110.172	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.7, 50.0	
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: 2021-12-27

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	37.77	37.77	37.28	36.80	37.50	37.26	37.44	37.99	0- 10	3.610	3.610	3.28,3.28
20	35.81	35.83	34.82	34.14	35.32	34.81	35.02	36.25	10- 20	10.31	13.92	12.6,12.6
30	32.59	32.56	31.04	30.37	31.98	31.23	31.26	33.28	20- 30	15.51	29.43	26.7,26.7
40	28.34	28.32	26.23	25.70	27.58	26.75	26.41	29.40	30- 40	18.59	48.01	43.6,43.6
50	23.27	23.42	20.69	20.33	22.35	21.47	20.70	24.69	40- 50	19.21	67.22	61,61
60	17.56	17.95	14.64	14.50	16.56	15.60	14.43	19.23	50- 60	17.35	84.57	76.8,76.8
70	11.63	12.09	8.412	8.468	10.49	9.478	8.067	13.33	60- 70	13.33	97.90	88.9,88.9
80	5.720	6.262	2.684	3.106	4.709	3.746	2.266	7.307	70- 80	7.908	105.8	96,96
90	1.560	1.553	0.3768	0.6812	1.084	0.6189	0.1729	2.033	80- 90	2.789	108.6	98.6,98.6
100	0.4825	0.5554	0.4071	0.5663	0.5031	0.4332	0.2008	0.4274	90-100	0.7146	109.3	99.2,99.2
110	0.4897	0.4600	0.4656	0.4355	0.4040	0.4292	0.2891	0.3845	100-110	0.4662	109.8	99.6,99.6
120	0.5026	0.2995	0.1966	0.3390	0.0673	0.0976	0.3166	0.2839	110-120	0.3745	110.2	100,100
130	0	0	0	0	0	0	0	0	120-130	0.0147	110.2	100,100
140	0	0	0	0	0	0	0	0	130-140	0	110.2	100,100
150	0	0	0	0	0	0	0	0	140-150	0	110.2	100,100
160	0	0	0	0	0	0	0	0	150-160	0	110.2	100,100
170	0	0	0	0	0	0	0	0	160-170	0	110.2	100,100
180	0	0	0	0	0	0	0	0	170-180	0	110.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 57.699 lm

%lum = 52.4%

%lamp = 52.4%

Conical surface Flux(120deg): 84.573 lm

%lum = 76.8%

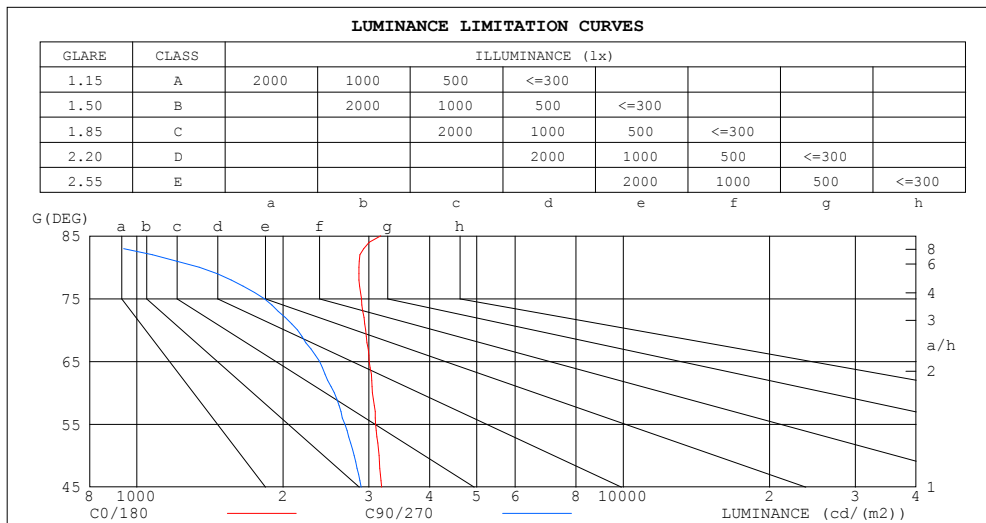
%lamp = 76.8%

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:0.2104A P:5.050W PF:1.000 Freq:50.00Hz Lamp Flux:110.172x1 lm		
NAME: SF15-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122706
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3174	580
80	2864	1344
75	2896	1827
70	2956	2139
65	3006	2375
60	3053	2546
55	3100	2678
50	3147	2800
45	3186	2893

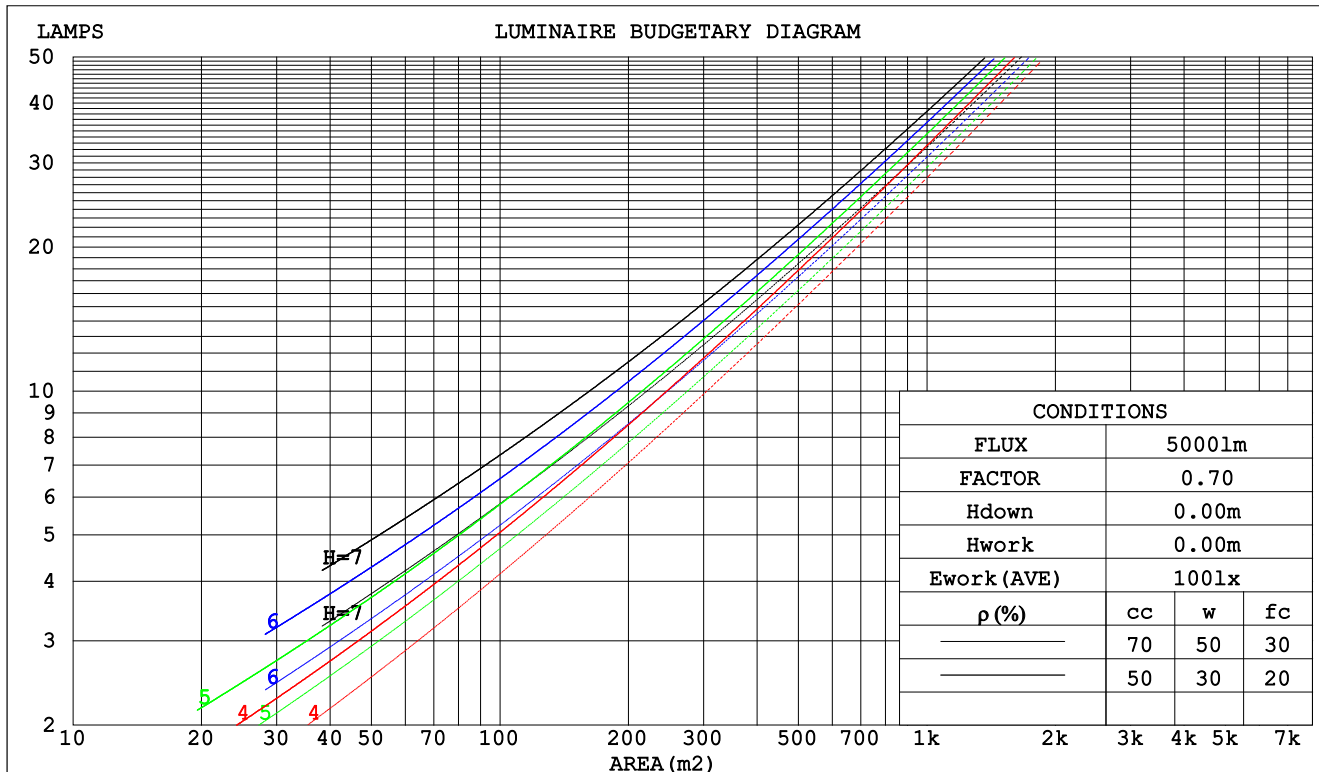
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-27

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:0.2104A P:5.050W PF:1.000 Freq:50.00Hz Lamp Flux:110.172x1 lm		
NAME: SF15-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122706
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	.99
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	.79	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.42	.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	.38	.31	.26	.36	.30	.26	.36	.30	.25	.24



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

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:

## WEC AND CCEC

Test:U:24.00V I:0.2104A P:5.050W PF:1.000 Freq:50.00Hz Lamp Flux:110.172x1 lm		
NAME: SF15-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122706
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	.317	.180	.057	.310	.177	.056	.295	.169	.054	.282	.163	.052	.270	.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	.111	.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	.176	.091	.027		
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.170	.086	.025	.165	.085	.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	.201	.201	.201	.172	.172	.172	.117	.117	.117	.067	.067	.067	.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	.065	.062	.050	.038	.020	.016	.013	
3.0	.176	.125	.085	.151	.108	.074	.104	.075	.052	.060	.044	.031	.019	.014	.010	
4.0	.168	.112	.069	.144	.097	.060	.099	.068	.042	.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	.093	.050	.132	.081	.044	.091	.057	.031	.053	.033	.018	.017	.011	.006	
7.0	.147	.087	.044	.126	.075	.039	.087	.053	.027	.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	.036	.116	.066	.032	.080	.046	.023	.047	.027	.013	.015	.009	.004	
10.0	.128	.072	.034	.111	.062	.029	.077	.044	.021	.045	.026	.012	.015	.008	.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:0.2104A P:5.050W PF:1.000 Freq:50.00Hz Lamp Flux:110.172x1 lm										
NAME: SF15-24V-5050-72-RGB-G					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 21mm*11.5mm			SERIAL No.:2021122706		
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	24.7	26.2	25.0	26.4	26.6	24.1	25.7	24.4	25.9	26.1
3H	26.4	27.7	26.7	28.0	28.3	25.5	26.9	25.8	27.2	27.5
4H	27.1	28.4	27.4	28.7	29.0	26.0	27.4	26.4	27.6	27.9
6H	27.7	28.9	28.0	29.2	29.5	26.3	27.6	26.7	27.9	28.2
8H	27.9	29.1	28.3	29.4	29.7	26.3	27.6	26.7	27.9	28.2
12H	28.1	29.2	28.5	29.6	29.9	26.3	27.5	26.7	27.8	28.2
4H 2H	25.3	26.7	25.7	26.9	27.2	24.9	26.3	25.3	26.6	26.8
3H	27.2	28.4	27.6	28.7	29.1	26.6	27.8	27.0	28.1	28.4
4H	28.1	29.2	28.5	29.5	29.9	27.3	28.4	27.7	28.7	29.1
6H	28.9	29.8	29.3	30.2	30.6	27.8	28.7	28.2	29.1	29.5
8H	29.2	30.0	29.6	30.4	30.9	27.9	28.8	28.3	29.1	29.6
12H	29.4	30.2	29.9	30.6	31.1	27.9	28.7	28.4	29.1	29.6
8H 4H	28.5	29.4	28.9	29.7	30.2	27.8	28.7	28.2	29.1	29.5
6H	29.4	30.2	29.9	30.6	31.0	28.5	29.3	29.0	29.7	30.1
8H	29.9	30.5	30.3	31.0	31.4	28.8	29.4	29.3	29.9	30.4
12H	30.2	30.8	30.7	31.3	31.8	28.9	29.5	29.4	30.0	30.5
12H 4H	28.5	29.3	29.0	29.7	30.2	27.9	28.7	28.3	29.1	29.5
6H	29.5	30.2	30.0	30.6	31.1	28.7	29.3	29.2	29.8	30.3
8H	30.0	30.6	30.5	31.1	31.6	29.0	29.6	29.5	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, 110.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.7)

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:

### UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.2104A P:5.050W PF:1.000 Freq:50.00Hz Lamp Flux:110.172x1 lm		
NAME: SF15-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122706
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

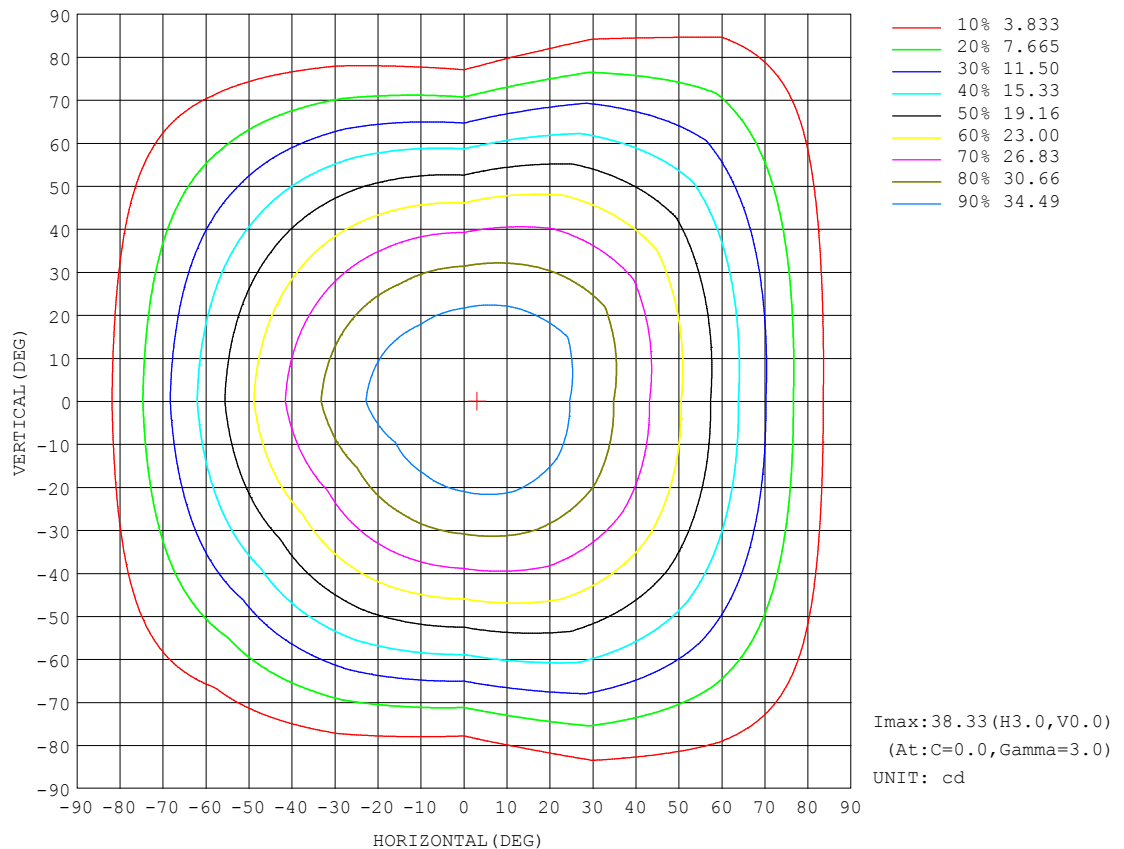
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	56	74	63	56	72	65	56	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	85	76	69	82	74	68	61
2.00	94	85	79	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	87	95	90	85	76
4.00	105	100	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:0.2104A P:5.050W PF:1.000 Freq:50.00Hz Lamp Flux:110.172x1 lm		
NAME: SF15-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122706
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



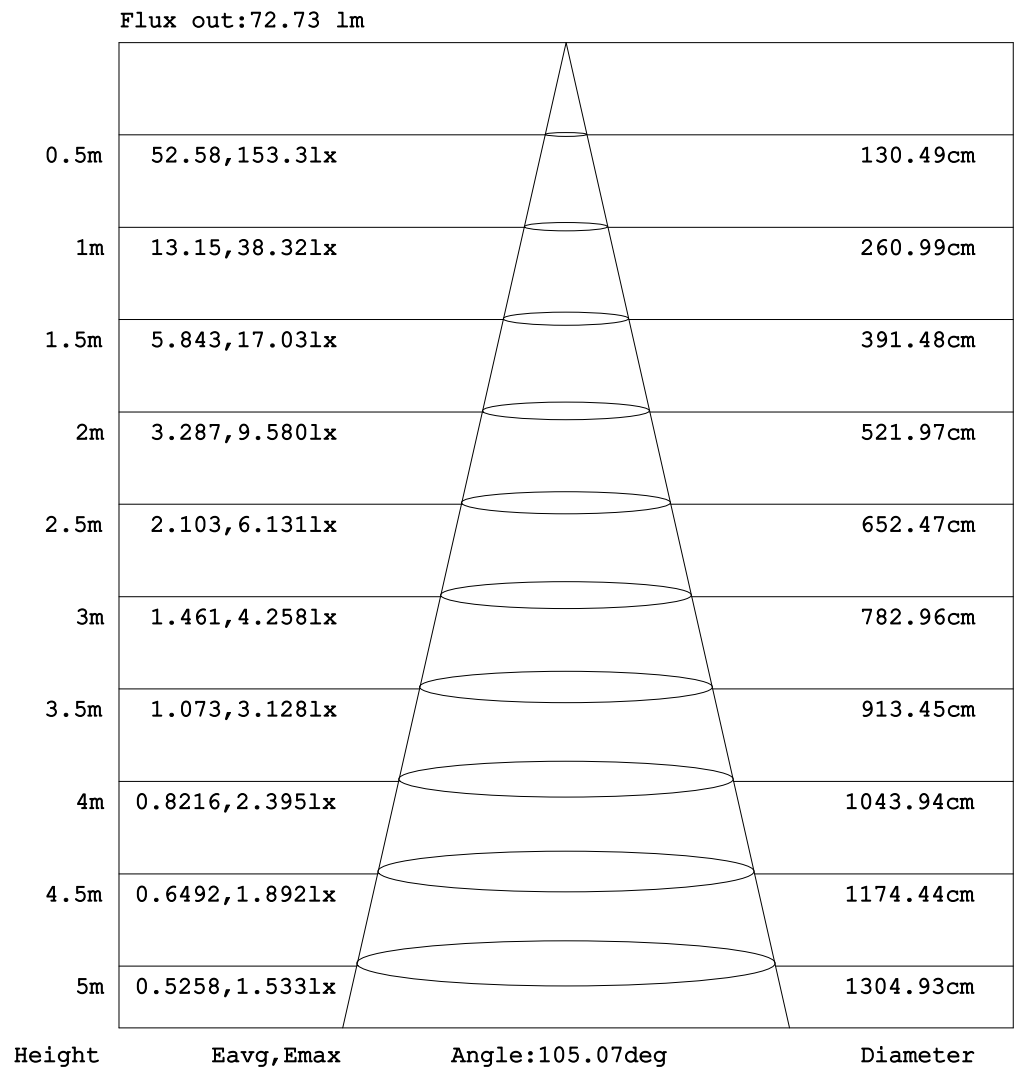
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-27

$\gamma$  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:0.2104A P:5.050W PF:1.000 Freq:50.00Hz Lamp Flux:110.172x1 lm		
NAME: SF15-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122706
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



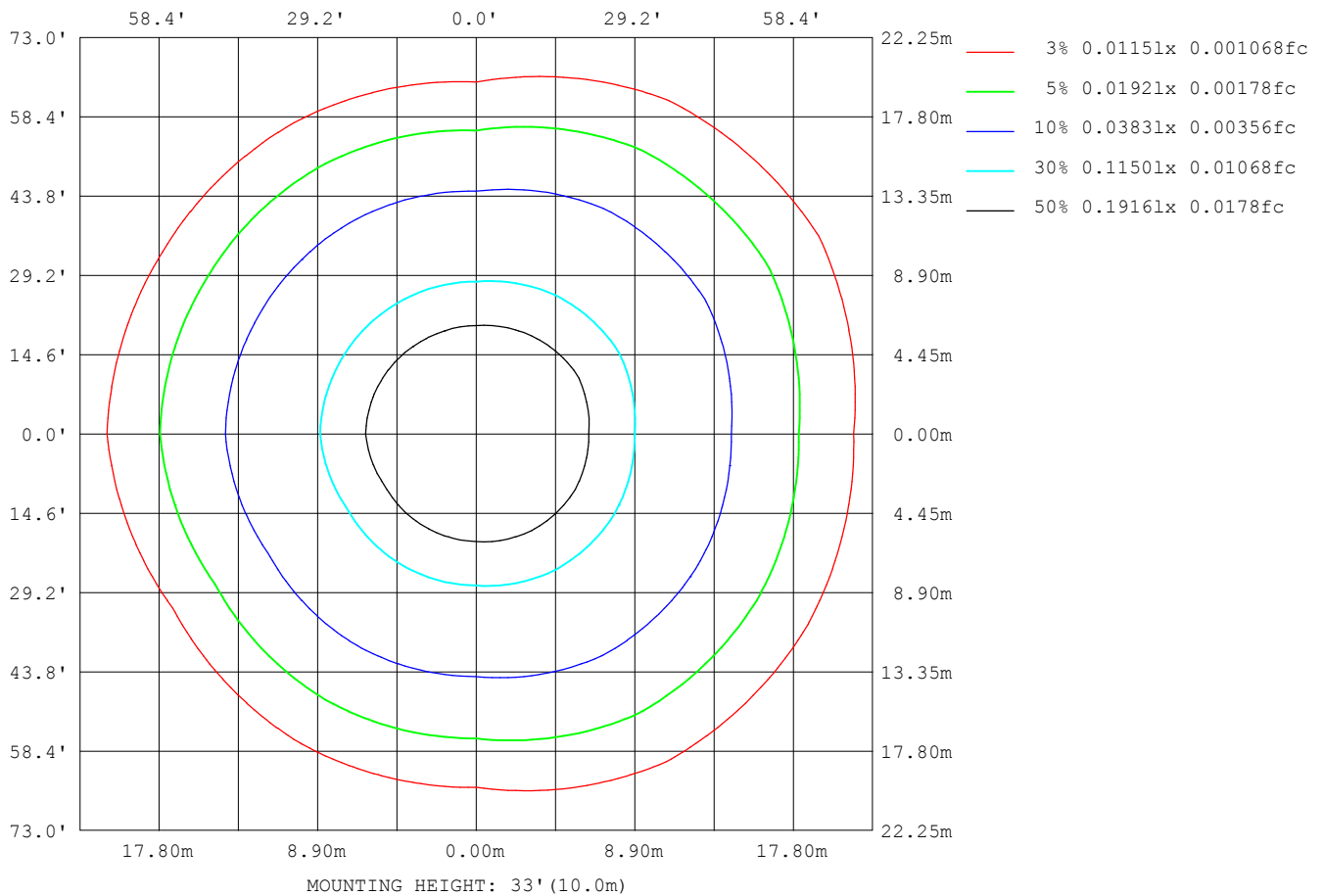
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2104A P:5.050W PF:1.000 Freq:50.00Hz Lamp Flux:110.172x1 lm		
NAME: SF15-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122706
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:0.2104A P:5.050W PF:1.000 Freq:50.00Hz Lamp Flux:110.172x1 lm		
NAME: SF15-24V-5050-72-RGB-G	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122706
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

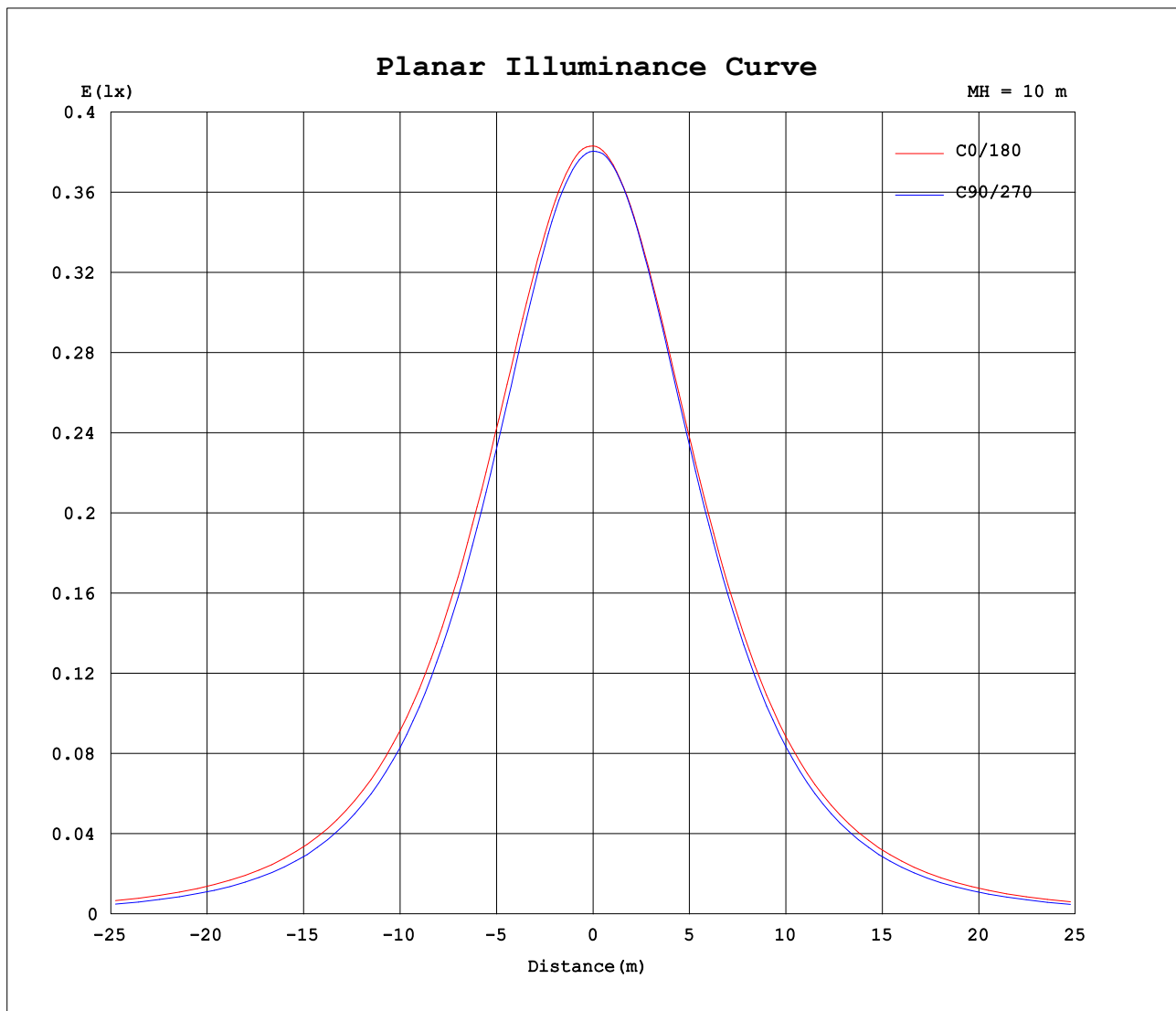
AvgL	cd/m2
L_0~180 (65) av	2894
L_0~180 (75) av	2703
L_0~180 (85) av	2848
L_90~270 (65) av	2348
L_90~270 (75) av	1755
L_90~270 (85) av	449
L_45 (65) av	2879
L_45 (75) av	2705
L_45 (85) av	2887

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:0.2104A P:5.050W PF:1.000 Freq:50.00Hz Lamp Flux:110.172x1 lm		
NAME: SF15-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122706
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	38.3	38.3	38.1	38.1	38.1	38.1	38.3	38.3	38.1	38.1	38.1	38.1						
5	38.3	38.2	38.1	37.8	37.7	37.6	38.1	38.0	37.8	38.0	38.1	38.3						
10	37.8	37.8	37.7	37.3	36.9	36.7	37.5	37.4	37.2	37.4	37.8	38.2						
15	37.0	37.1	36.9	36.2	35.7	35.5	36.6	36.3	36.1	36.4	37.1	37.6						
20	35.8	36.0	35.7	34.8	34.2	34.0	35.3	35.0	34.6	35.0	35.9	36.6						
25	34.4	34.6	34.1	33.1	32.5	32.3	33.8	33.4	32.9	33.3	34.4	35.4						
30	32.6	32.9	32.3	31.0	30.5	30.2	32.0	31.5	31.0	31.3	32.6	34.0						
35	30.6	30.9	30.2	28.7	28.3	27.9	29.9	29.3	28.9	29.0	30.7	32.2						
40	28.3	28.7	27.9	26.2	25.9	25.5	27.6	27.0	26.5	26.4	28.7	30.2						
45	25.9	26.3	25.6	23.5	23.4	22.8	25.1	24.4	24.0	23.6	26.5	27.9						
50	23.3	23.8	23.1	20.7	20.6	20.0	22.4	21.7	21.3	20.7	24.0	25.4						
55	20.4	21.0	20.4	17.7	17.8	17.1	19.5	18.8	18.4	17.6	21.3	22.8						
60	17.6	18.2	17.7	14.6	14.8	14.2	16.6	15.7	15.5	14.4	18.5	19.9						
65	14.6	15.3	14.8	11.5	11.8	11.1	13.5	12.7	12.4	11.3	15.6	17.0						
70	11.6	12.3	11.9	8.41	8.84	8.10	10.5	9.60	9.36	8.07	12.6	14.0						
75	8.62	9.27	9.04	5.44	5.96	5.26	7.47	6.64	6.35	5.01	9.59	11.0						
80	5.72	6.33	6.19	2.68	3.31	2.90	4.71	3.93	3.56	2.27	6.62	7.99						
85	3.18	3.61	3.52	0.58	1.38	1.33	2.53	1.91	1.40	0.32	3.79	5.09						
90	1.56	1.69	1.42	0.38	0.67	0.69	1.08	0.78	0.46	0.17	1.47	2.60						
95	0.75	0.77	0.64	0.38	0.65	0.60	0.52	0.51	0.45	0.18	0.50	1.14						
100	0.48	0.54	0.57	0.41	0.64	0.49	0.50	0.43	0.44	0.20	0.44	0.42						
105	0.49	0.52	0.53	0.44	0.57	0.38	0.48	0.43	0.38	0.28	0.39	0.37						
110	0.49	0.37	0.55	0.47	0.60	0.27	0.40	0.44	0.42	0.29	0.39	0.38						
115	0.51	0.21	0.60	0.49	0.62	0.16	0.24	0.45	0.42	0.29	0.40	0.40						
120	0.50	0.06	0.54	0.20	0.63	0.04	0.07	0.07	0.12	0.32	0.13	0.44						
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	38.32	38.27	38.12	38.05	38.11	38.09	38.32	38.27	38.12	38.05
3.0	38.33	38.27	38.15	37.96	37.88	37.82	38.22	38.16	37.98	38.07
6.0	38.19	38.15	38.07	37.74	37.54	37.42	37.98	37.88	37.72	37.91
9.0	37.89	37.93	37.83	37.42	37.07	36.90	37.63	37.49	37.33	37.60
12.0	37.49	37.55	37.46	36.91	36.48	36.27	37.17	36.97	36.76	37.08
15.0	36.97	37.10	36.90	36.23	35.73	35.52	36.57	36.32	36.06	36.41
18.0	36.30	36.48	36.21	35.42	34.87	34.66	35.86	35.58	35.22	35.62
21.0	35.53	35.75	35.38	34.50	33.91	33.68	35.03	34.70	34.29	34.70
24.0	34.68	34.90	34.45	33.44	32.85	32.65	34.12	33.70	33.27	33.65
27.0	33.69	33.94	33.40	32.28	31.73	31.44	33.08	32.65	32.16	32.51
30.0	32.59	32.87	32.25	31.04	30.51	30.24	31.98	31.48	30.99	31.26
33.0	31.43	31.75	31.01	29.68	29.21	28.88	30.75	30.21	29.74	29.91
36.0	30.16	30.46	29.74	28.25	27.85	27.46	29.45	28.88	28.41	28.47
39.0	28.80	29.17	28.39	26.77	26.42	25.98	28.05	27.45	27.02	26.93
42.0	27.40	27.78	27.02	25.18	24.90	24.44	26.60	25.95	25.53	25.31
45.0	25.91	26.32	25.59	23.53	23.35	22.81	25.05	24.41	23.99	23.64
48.0	24.31	24.77	24.09	21.83	21.74	21.17	23.46	22.77	22.38	21.90
51.0	22.74	23.21	22.56	20.09	20.07	19.47	21.81	21.09	20.73	20.09
54.0	21.00	21.58	20.99	18.28	18.36	17.72	20.09	19.37	19.01	18.27
57.0	19.37	19.90	19.36	16.46	16.62	15.96	18.35	17.57	17.27	16.39
60.0	17.56	18.24	17.67	14.64	14.84	14.16	16.56	15.74	15.47	14.43
63.0	15.85	16.44	15.97	12.73	13.05	12.32	14.73	13.93	13.64	12.54
66.0	14.03	14.69	14.25	10.91	11.25	10.50	12.92	12.08	11.81	10.64
69.0	12.21	12.87	12.50	9.015	9.434	8.679	11.09	10.23	9.965	8.695
72.0	10.42	11.05	10.78	7.176	7.666	6.895	9.251	8.409	8.130	6.827
75.0	8.620	9.273	9.042	5.438	5.957	5.263	7.473	6.640	6.352	5.007
78.0	6.846	7.478	7.298	3.739	4.308	3.745	5.784	4.940	4.643	3.272
81.0	5.157	5.739	5.629	2.172	2.834	2.510	4.222	3.462	3.060	1.733
84.0	3.614	4.111	4.022	0.9261	1.662	1.566	2.916	2.251	1.735	0.4662
87.0	2.416	2.701	2.548	0.4142	0.9369	0.9589	1.847	1.344	0.8577	0.2015
90.0	1.560	1.691	1.415	0.3768	0.6688	0.6936	1.084	0.7754	0.4623	0.1729
93.0	0.9966	1.054	0.8255	0.3570	0.6564	0.6485	0.6072	0.5281	0.4567	0.1756
96.0	0.6494	0.6726	0.6035	0.3770	0.6500	0.5814	0.5190	0.5126	0.4510	0.1782
99.0	0.4879	0.5429	0.5755	0.3971	0.6430	0.5143	0.5071	0.4429	0.4432	0.1808
102.0	0.4840	0.5479	0.5475	0.4183	0.6233	0.4472	0.4952	0.4222	0.4309	0.2410
105.0	0.4861	0.5206	0.5340	0.4360	0.5656	0.3801	0.4832	0.4346	0.3820	0.2814
108.0	0.4883	0.4287	0.5276	0.4538	0.5879	0.3130	0.4713	0.4384	0.4022	0.2875
111.0	0.4904	0.3369	0.5628	0.4715	0.5981	0.2460	0.3703	0.4422	0.4474	0.2899
114.0	0.4926	0.2450	0.5949	0.4825	0.6116	0.1789	0.2693	0.4460	0.4825	0.2924
117.0	0.5326	0.1531	0.5982	0.4915	0.6224	0.1118	0.1683	0.2982	0.3016	0.2949
120.0	0.5026	0.0612	0.5378	0.1966	0.6332	0.0447	0.0673	0.0745	0.1206	0.3166
G/C	300.0	330.0								
0.0	38.11	38.09								
3.0	38.15	38.25								
6.0	38.10	38.29								
9.0	37.92	38.23								
12.0	37.56	37.99								
15.0	37.06	37.60								
18.0	36.40	37.06								
21.0	35.62	36.34								
24.0	34.71	35.65								
27.0	33.68	34.82								
30.0	32.59	33.97								
33.0	31.44	32.93								
36.0	30.27	31.81								
39.0	29.06	30.57								
42.0	27.80	29.26								
45.0	26.48	27.88								
48.0	25.00	26.42								
51.0	23.47	24.88								
54.0	21.87	23.31								
57.0	20.22	21.66								
60.0	18.52	19.93								
63.0	16.79	18.22								
66.0	15.03	16.46								
69.0	13.23	14.65								
72.0	11.41	12.84								
75.0	9.589	11.03								
78.0	7.794	9.188								
81.0	6.030	7.393								
84.0	4.326	5.595								
87.0	2.755	3.991								
90.0	1.469	2.597								

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:

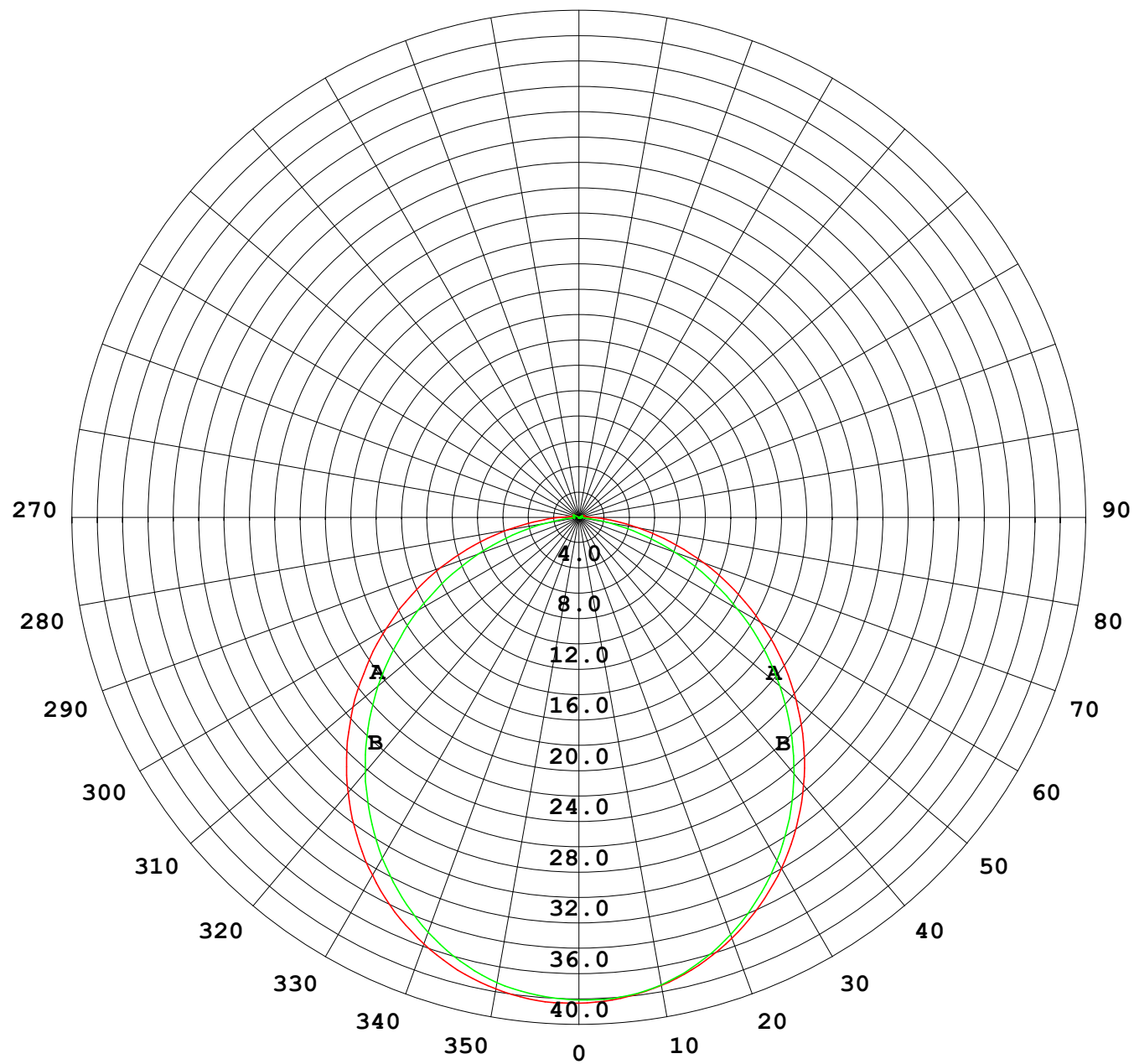
## Photometric Data Table [cd]

93.0	0.7323	1.596
96.0	0.4887	0.9618
99.0	0.4494	0.5641
102.0	0.4100	0.3766
105.0	0.3869	0.3746
108.0	0.3720	0.3726
111.0	0.4122	0.3869
114.0	0.4220	0.3920
117.0	0.3141	0.4319
120.0	0.1256	0.4423

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:

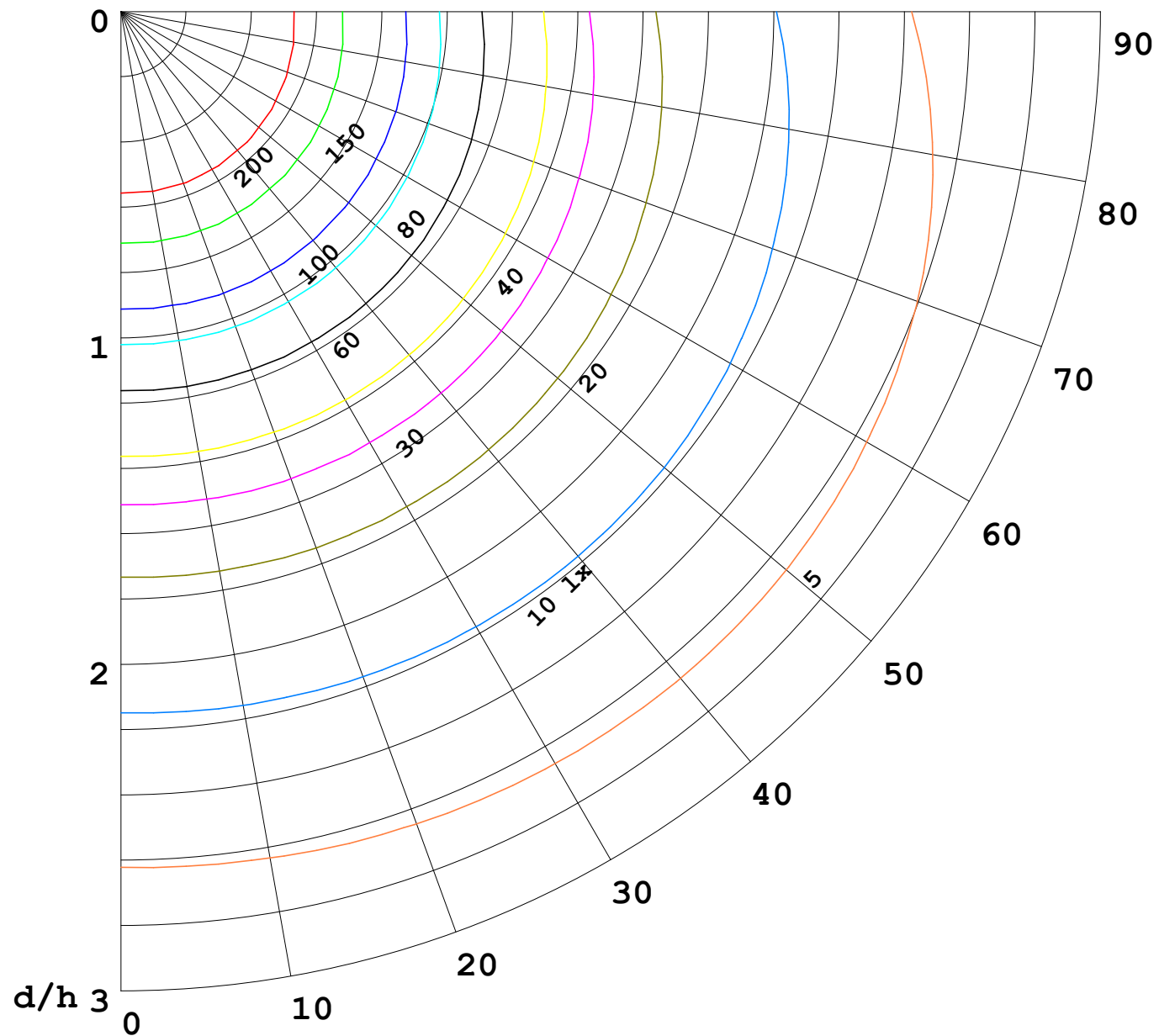
I (cd)





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

