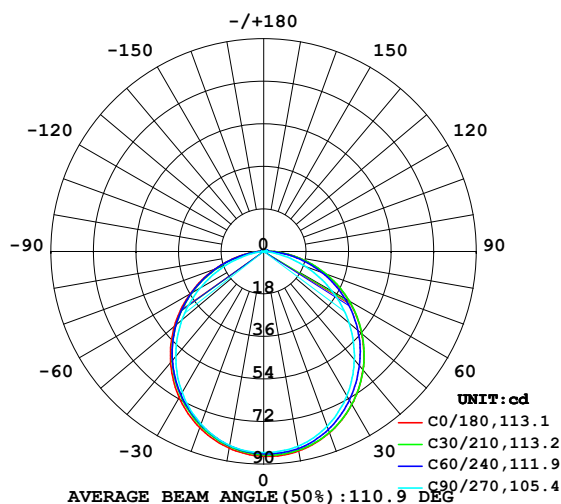


LUMINAIRE PHOTOMETRIC TEST REPORT

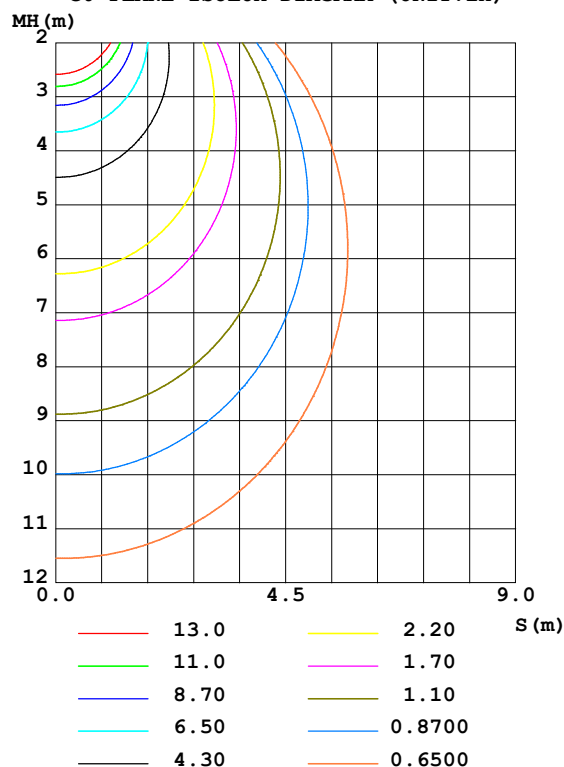
Test:U:24.00V I:0.7389A P:17.73W PF:1.000 Freq:50.00Hz Lamp Flux:246.657x1 lm		
NAME: SF15-24V-5050-70-SPI4-RGBW(3000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123005
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 13.91 lm/W			
MODEL	5050	I _{max} (cd)	86.73	S/MH (C0/180)	1.23
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	246.66	η UP, DN (C0-180)	0.8, 49.7
NOMINAL FLUX (lm)	246.657	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.7, 48.8
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: 2021-12-30

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	85.72	84.99	83.72	82.30	84.47	83.63	83.37	83.88	0- 10	8.084	8.084	3.28,3.28
20	81.60	80.83	78.64	76.95	79.30	78.17	77.66	79.50	10- 20	23.09	31.17	12.6,12.6
30	74.70	73.63	70.44	69.04	71.48	70.22	69.01	72.43	20- 30	34.79	65.96	26.7,26.7
40	65.43	64.23	59.75	59.02	61.31	60.24	57.90	63.47	30- 40	41.71	107.7	43.7,43.7
50	54.19	53.24	47.18	47.22	49.35	48.47	45.24	52.96	40- 50	43.16	150.8	61.1,61.1
60	41.46	40.77	33.32	34.09	36.01	35.29	31.10	40.76	50- 60	38.97	189.8	76.9,76.9
70	27.82	27.31	18.90	20.31	22.00	21.36	16.88	27.64	60- 70	29.80	219.6	89,89
80	14.19	13.72	5.654	7.811	9.192	8.346	4.136	14.22	70- 80	17.40	237.0	96.1,96.1
90	4.062	3.325	0.8243	1.676	1.967	1.408	0.4341	3.451	80- 90	5.938	242.9	98.5,98.5
100	1.121	1.290	0.9504	1.475	1.084	1.056	0.5625	0.9420	90-100	1.562	244.5	99.1,99.1
110	1.116	1.342	1.092	1.112	1.091	1.083	0.6949	0.9690	100-110	1.141	245.6	99.6,99.6
120	0.1476	0.8473	0.3887	0.8149	0.2739	1.131	0.8192	0.5319	110-120	0.9818	246.6	100,100
130	0	0	0	0	0	0	0	0	120-130	0.0373	246.7	100,100
140	0	0	0	0	0	0	0	0	130-140	0	246.7	100,100
150	0	0	0	0	0	0	0	0	140-150	0	246.7	100,100
160	0	0	0	0	0	0	0	0	150-160	0	246.7	100,100
170	0	0	0	0	0	0	0	0	160-170	0	246.7	100,100
180	0	0	0	0	0	0	0	0	170-180	0	246.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 129.42 lm

%lum = 52.5%

%lamp = 52.5%

Conical surface Flux(120deg): 189.79 lm

%lum = 76.9%

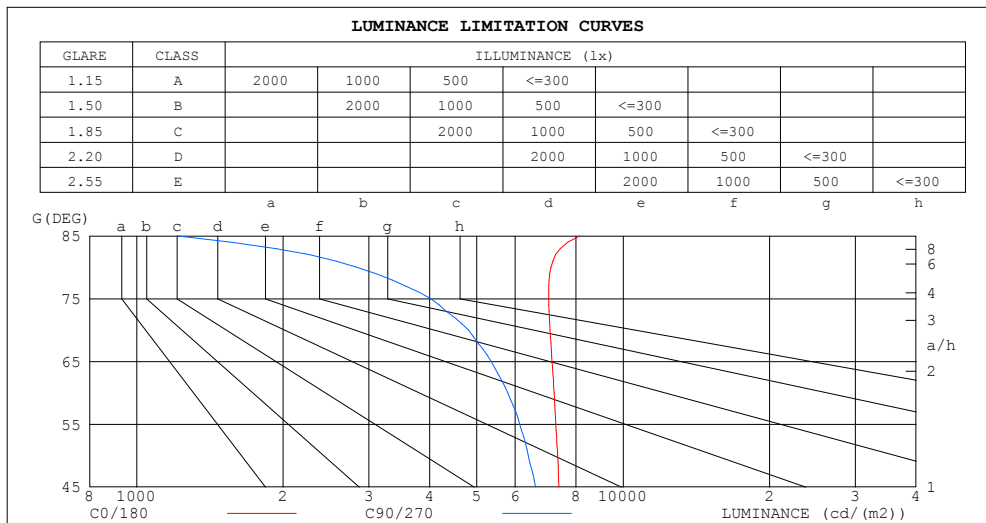
%lamp = 76.9%

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:0.7389A P:17.73W PF:1.000 Freq:50.00Hz Lamp Flux:246.657x1 lm		
NAME: SF15-24V-5050-70-SPI4-RGBW(3000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123005
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	8145	1211
80	7104	2831
75	7028	4018
70	7072	4806
65	7142	5352
60	7210	5795
55	7272	6129
50	7331	6383
45	7384	6602

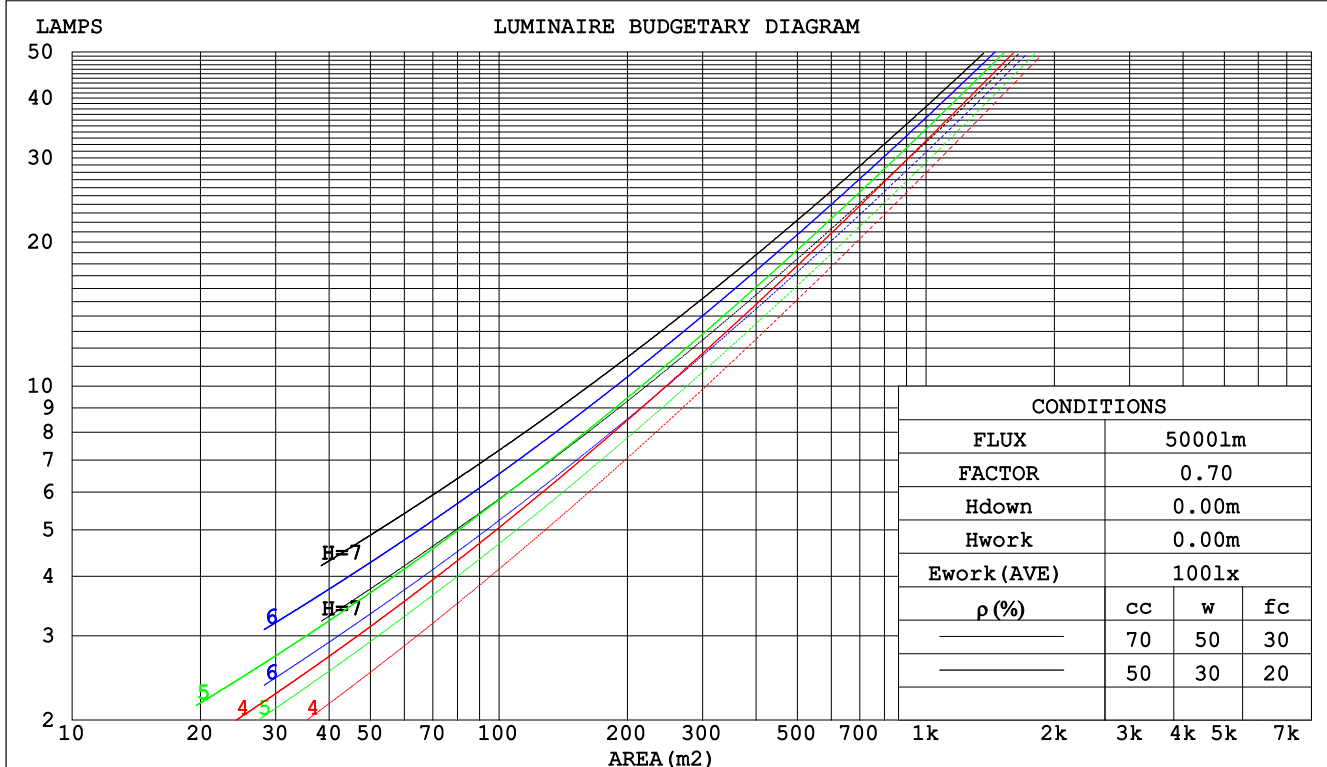
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-30

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:0.7389A P:17.73W PF:1.000 Freq:50.00Hz Lamp Flux:246.657x1 lm		
NAME: SF15-24V-5050-70-SPI4-RGBW(3000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123005
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	.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	.79	.74	.80	.76	.72	.77	.74	.70	.68
3.0	.79	.71	.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	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.45	.40	.51	.45	.39	.49	.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	.31	.43	.36	.31	.41	.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:0.7389A P:17.73W PF:1.000 Freq:50.00Hz Lamp Flux:246.657x1 lm		
NAME: SF15-24V-5050-70-SPI4-RGBW(3000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123005
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	.315	.179	.057	.308	.175	.056	.293	.168	.054	.280	.162	.052	.269	.156	.050		
2.0	.294	.161	.049	.287	.158	.049	.275	.153	.047	.263	.148	.046	.253	.143	.045		
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.244	.134	.041	.234	.130	.040		
4.0	.250	.130	.038	.245	.128	.038	.235	.124	.037	.226	.121	.037	.217	.118	.036		
5.0	.231	.118	.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	.073	.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	.192	.168	.146	.165	.144	.125	.113	.099	.087	.065	.057	.050	.021	.018	.016	
2.0	.184	.144	.109	.158	.124	.095	.108	.086	.066	.062	.050	.039	.020	.016	.013	
3.0	.176	.126	.086	.151	.109	.074	.104	.076	.052	.060	.044	.031	.019	.014	.010	
4.0	.169	.113	.070	.145	.097	.061	.100	.068	.043	.058	.040	.025	.019	.013	.008	
5.0	.161	.102	.059	.139	.089	.051	.095	.062	.036	.055	.036	.021	.018	.012	.007	
6.0	.154	.094	.051	.132	.081	.044	.091	.057	.031	.053	.034	.019	.017	.011	.006	
7.0	.147	.087	.045	.127	.076	.039	.088	.053	.028	.051	.031	.017	.016	.010	.005	
8.0	.141	.081	.041	.121	.071	.035	.084	.050	.025	.049	.029	.015	.016	.010	.005	
9.0	.135	.076	.037	.116	.066	.032	.080	.047	.023	.047	.028	.014	.015	.009	.005	
10.0	.129	.072	.034	.111	.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:2021-12-30

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:0.7389A P:17.73W PF:1.000 Freq:50.00Hz Lamp Flux:246.657x1 lm											
NAME: SF15-24V-5050-70-SPI4-RGBW(3000)						TYPE:硅胶		WEIGHT:			
SPEC.:						DIM.: 21mm*11.5mm		SERIAL No.:2021123005			
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	24.9	26.4	25.2	26.6	26.9	24.2	25.7	24.5	25.9	26.2	
	3H	26.6	28.0	27.0	28.3	28.6	25.6	27.0	25.9	27.2	27.5
	4H	27.4	28.7	27.7	29.0	29.3	26.0	27.4	26.4	27.6	27.9
	6H	28.0	29.3	28.4	29.6	29.9	26.3	27.5	26.6	27.8	28.1
	8H	28.3	29.5	28.6	29.8	30.1	26.3	27.5	26.7	27.8	28.2
	12H	28.5	29.7	28.9	30.0	30.3	26.3	27.5	26.7	27.8	28.1
4H	2H	25.5	26.9	25.9	27.1	27.4	25.0	26.3	25.4	26.6	26.9
	3H	27.5	28.6	27.9	29.0	29.3	26.6	27.8	27.0	28.1	28.5
	4H	28.4	29.4	28.8	29.8	30.2	27.3	28.4	27.7	28.7	29.1
	6H	29.2	30.1	29.6	30.5	30.9	27.7	28.6	28.1	29.0	29.4
	8H	29.5	30.4	30.0	30.8	31.2	27.8	28.7	28.2	29.1	29.5
	12H	29.8	30.6	30.3	31.0	31.5	27.8	28.6	28.3	29.0	29.5
8H	4H	28.7	29.6	29.1	30.0	30.4	27.8	28.7	28.2	29.0	29.5
	6H	29.7	30.4	30.2	30.9	31.3	28.4	29.2	28.9	29.6	30.1
	8H	30.2	30.8	30.6	31.3	31.7	28.6	29.3	29.1	29.7	30.2
	12H	30.6	31.2	31.1	31.6	32.1	28.8	29.3	29.3	29.8	30.3
12H	4H	28.7	29.5	29.2	29.9	30.4	27.8	28.6	28.3	29.1	29.5
	6H	29.8	30.4	30.3	30.9	31.4	28.6	29.2	29.1	29.7	30.2
	8H	30.3	30.9	30.8	31.3	31.9	28.9	29.4	29.4	29.9	30.4
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, 246.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.9)

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:0.7389A P:17.73W PF:1.000 Freq:50.00Hz Lamp Flux:246.657x1 lm		
NAME: SF15-24V-5050-70-SPI4-RGBW(3000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123005
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

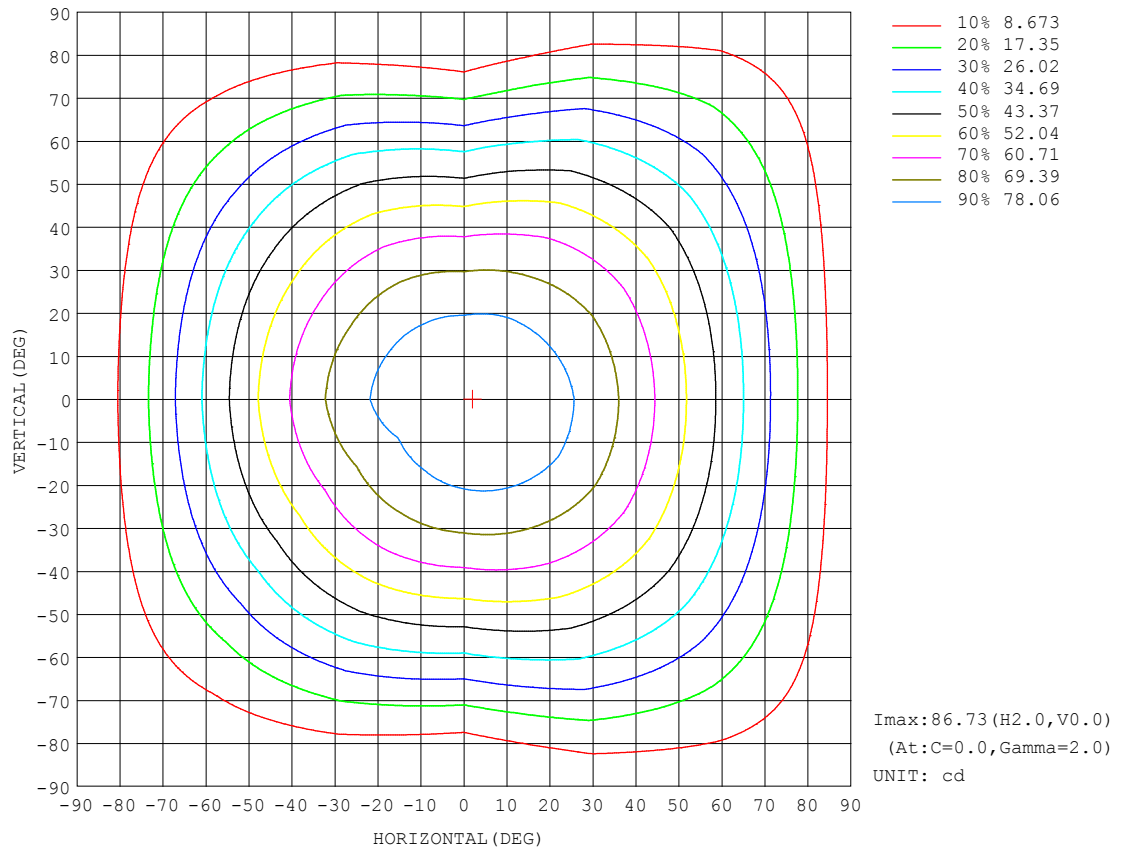
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	82	74	68	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	101	94	89	99	93	88	95	90	85	76
4.00	105	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:0.7389A P:17.73W PF:1.000 Freq:50.00Hz Lamp Flux:246.657x1 lm		
NAME: SF15-24V-5050-70-SPI4-RGBW(3000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123005
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

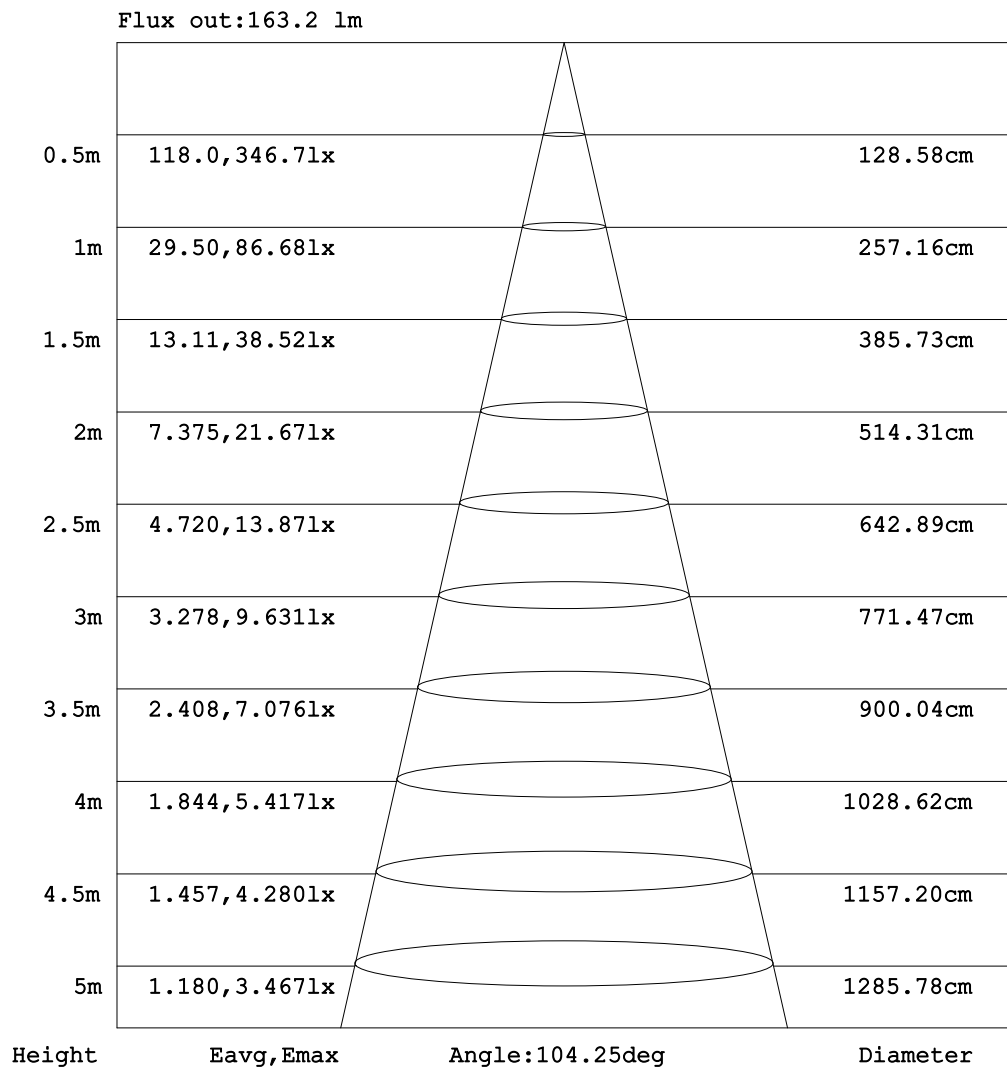


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-30

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:0.7389A P:17.73W PF:1.000 Freq:50.00Hz Lamp Flux:246.657x1 lm		
NAME: SF15-24V-5050-70-SPI4-RGBW(3000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123005
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



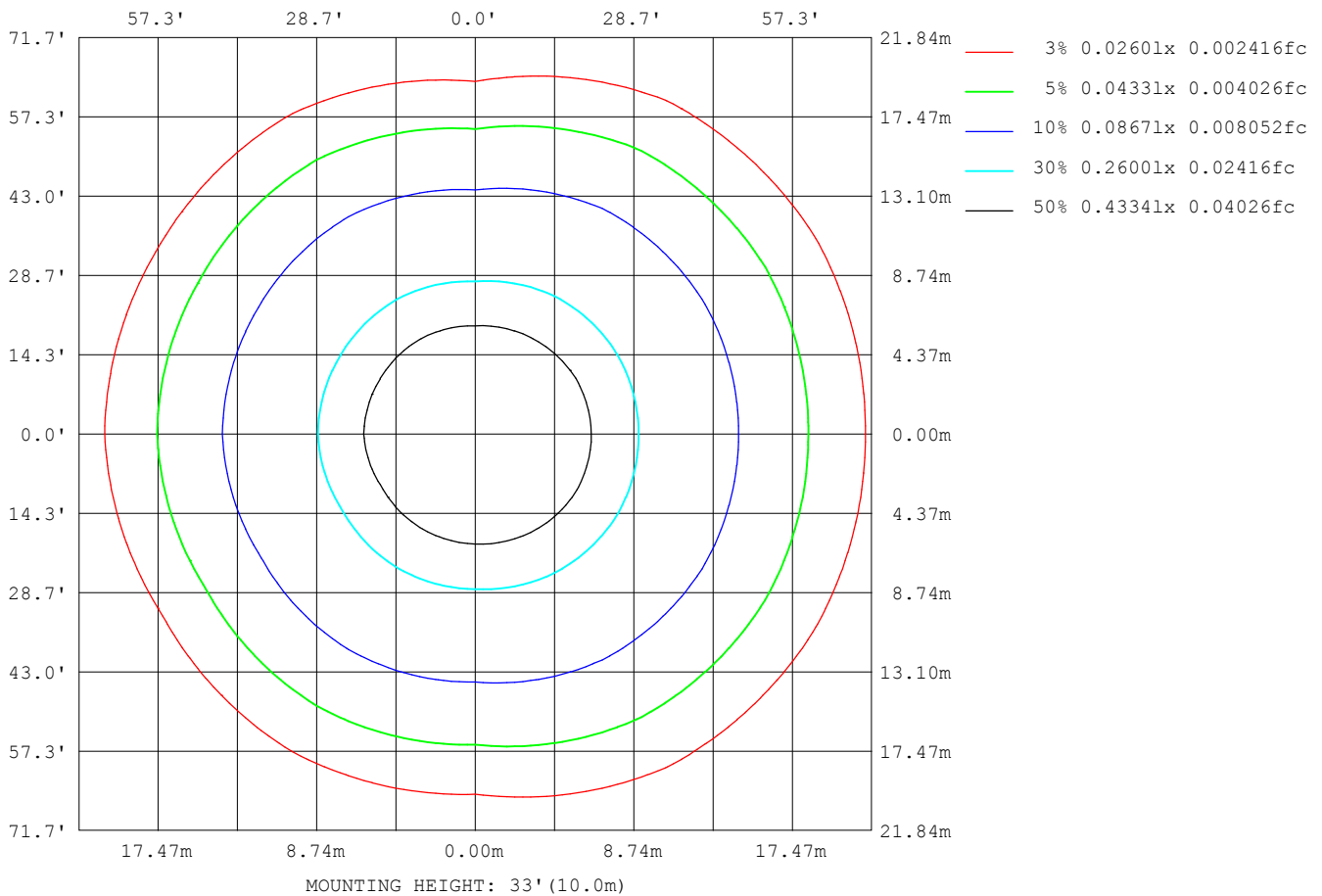
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.7389A P:17.73W PF:1.000 Freq:50.00Hz Lamp Flux:246.657x1 lm		
NAME: SF15-24V-5050-70-SPI4-RGBW(3000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123005
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:0.7389A P:17.73W PF:1.000 Freq:50.00Hz Lamp Flux:246.657x1 lm		
NAME: SF15-24V-5050-70-SPI4-RGBW(3000)	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123005
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

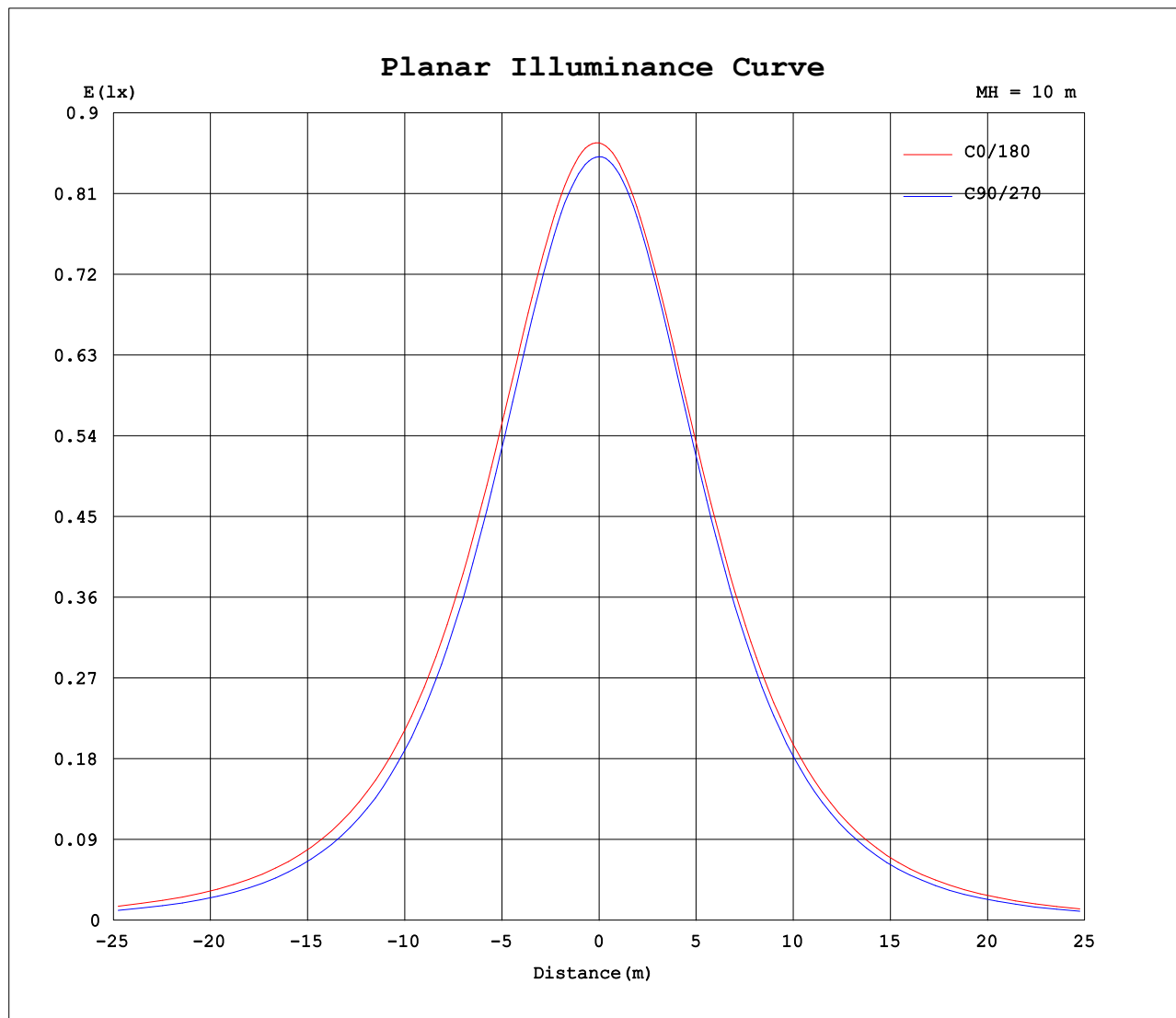
AvgL	cd/m2
L_0~180 (65) av	6556
L_0~180 (75) av	6061
L_0~180 (85) av	6415
L_90~270 (65) av	5138
L_90~270 (75) av	3703
L_90~270 (85) av	930
L_45 (65) av	6443
L_45 (75) av	5962
L_45 (85) av	5988

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:0.7389A P:17.73W PF:1.000 Freq:50.00Hz Lamp Flux:246.657x1 lm		
NAME: SF15-24V-5050-70-SPI4-RGBW(3000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021123005
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	86.7	86.2	85.6	85.1	84.8	84.5	86.7	86.2	85.6	85.1	84.8	84.5							
5	86.6	86.1	85.5	84.7	84.1	83.6	86.0	85.4	84.9	84.7	84.7	84.6							
10	85.7	85.3	84.7	83.7	82.6	82.0	84.5	83.8	83.5	83.4	83.8	84.0							
15	84.0	83.8	82.8	81.6	80.3	79.6	82.2	81.4	81.0	80.9	81.8	82.5							
20	81.6	81.5	80.2	78.6	77.3	76.6	79.3	78.4	77.9	77.7	79.1	79.9							
25	78.5	78.4	76.7	74.9	73.6	73.0	75.7	74.7	74.2	73.7	75.5	77.0							
30	74.7	74.7	72.6	70.4	69.4	68.7	71.5	70.4	70.1	69.0	71.3	73.6							
35	70.3	70.4	68.0	65.3	64.7	63.8	66.6	65.7	65.3	63.7	66.7	69.5							
40	65.4	65.4	63.0	59.7	59.5	58.5	61.3	60.3	60.1	57.9	62.1	64.8							
45	60.0	60.1	57.8	53.7	53.9	52.7	55.5	54.6	54.5	51.7	57.2	59.8							
50	54.2	54.4	52.1	47.2	47.8	46.6	49.3	48.5	48.5	45.2	51.7	54.3							
55	48.0	48.3	46.0	40.4	41.4	40.1	42.8	41.9	42.1	38.3	45.7	48.2							
60	41.5	41.9	39.6	33.3	34.8	33.4	36.0	35.2	35.4	31.1	39.5	42.0							
65	34.7	35.2	33.1	26.0	27.9	26.5	29.0	28.1	28.6	23.9	33.0	35.5							
70	27.8	28.3	26.3	18.9	21.0	19.6	22.0	21.1	21.6	16.9	26.4	28.8							
75	20.9	21.3	19.6	12.0	14.2	13.1	15.2	14.3	14.7	10.1	19.7	22.1							
80	14.2	14.5	13.0	5.65	8.05	7.57	9.19	8.33	8.36	4.14	13.1	15.4							
85	8.16	8.28	6.91	1.21	3.45	3.67	4.70	4.00	3.45	0.65	6.95	9.24							
90	4.06	4.00	2.65	0.82	1.58	1.77	1.97	1.64	1.18	0.43	2.52	4.38							
95	1.91	1.87	1.41	0.88	1.50	1.52	1.10	1.18	1.01	0.45	1.01	1.88							
100	1.12	1.27	1.31	0.95	1.45	1.50	1.08	1.11	1.01	0.56	0.95	0.94							
105	1.10	1.32	1.21	1.04	1.27	1.21	1.08	1.11	0.91	0.68	0.85	0.92							
110	1.12	1.35	1.33	1.09	1.37	0.85	1.09	1.11	1.06	0.69	1.00	0.94							
115	0.89	1.38	1.40	1.15	1.44	0.50	0.96	1.11	1.12	0.75	1.02	1.02							
120	0.15	0.39	1.30	0.39	1.49	0.14	0.27	1.12	1.15	0.82	0.89	0.17							
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	86.67	86.18	85.59	85.12	84.80	84.46	86.67	86.18	85.59	85.12
3.0	86.73	86.23	85.64	84.99	84.46	84.03	86.35	85.78	85.27	84.98
6.0	86.50	86.03	85.40	84.59	83.84	83.32	85.73	85.11	84.69	84.53
9.0	85.97	85.56	84.87	83.96	82.97	82.34	84.82	84.17	83.81	83.73
12.0	85.12	84.80	84.07	82.95	81.84	81.10	83.67	82.95	82.57	82.49
15.0	84.02	83.79	82.85	81.59	80.32	79.61	82.25	81.45	81.04	80.95
18.0	82.67	82.50	81.32	79.95	78.59	77.86	80.58	79.73	79.19	79.14
21.0	81.04	80.99	79.50	77.96	76.60	75.95	78.66	77.74	77.22	76.90
24.0	79.15	79.07	77.47	75.77	74.40	73.73	76.47	75.46	75.02	74.59
27.0	77.05	76.97	75.12	73.24	72.02	71.30	74.07	73.08	72.62	71.89
30.0	74.70	74.69	72.58	70.44	69.42	68.67	71.48	70.39	70.06	69.01
33.0	72.14	72.14	69.85	67.48	66.64	65.82	68.65	67.65	67.31	65.99
36.0	69.38	69.40	67.02	64.26	63.71	62.77	65.61	64.63	64.30	62.62
39.0	66.43	66.47	64.03	60.84	60.62	59.64	62.42	61.46	61.19	59.13
42.0	63.33	63.38	60.99	57.37	57.31	56.27	59.05	58.17	57.93	55.54
45.0	60.04	60.10	57.75	53.69	53.89	52.71	55.53	54.62	54.49	51.74
48.0	56.58	56.68	54.40	49.83	50.30	49.13	51.87	50.90	50.93	47.83
51.0	52.98	53.19	50.88	45.92	46.58	45.33	48.07	47.12	47.24	43.81
54.0	49.24	49.51	47.23	41.80	42.75	41.45	44.14	43.30	43.40	39.84
57.0	45.41	45.69	43.48	37.69	38.80	37.48	40.13	39.07	39.49	35.39
60.0	41.46	41.91	39.63	33.32	34.78	33.40	36.01	35.15	35.44	31.10
63.0	37.44	37.80	35.75	28.90	30.69	29.27	31.82	30.91	31.33	26.70
66.0	33.35	33.80	31.78	24.58	26.56	25.15	27.61	26.65	27.21	22.39
69.0	29.21	29.61	27.70	20.27	22.35	21.00	23.39	22.58	23.01	18.33
72.0	25.06	25.43	23.66	15.99	18.25	16.94	19.20	18.41	18.82	13.95
75.0	20.92	21.34	19.60	11.96	14.24	13.11	15.17	14.31	14.72	10.08
78.0	16.83	17.17	15.55	8.010	10.39	9.555	11.42	10.57	10.79	6.419
81.0	12.89	13.15	11.69	4.624	6.951	6.636	8.187	7.356	7.191	3.135
84.0	9.246	9.441	8.020	1.883	4.145	4.296	5.479	4.677	4.248	0.7945
87.0	6.232	6.295	4.821	0.9340	2.342	2.665	3.382	2.770	2.182	0.4681
90.0	4.062	3.995	2.654	0.8243	1.584	1.768	1.967	1.636	1.180	0.4341
93.0	2.582	2.514	1.651	0.8545	1.511	1.523	1.235	1.192	1.025	0.4439
96.0	1.666	1.642	1.362	0.8997	1.493	1.513	1.091	1.166	1.012	0.4572
99.0	1.187	1.271	1.326	0.9349	1.463	1.483	1.085	1.106	1.008	0.5175
102.0	1.096	1.282	1.290	1.015	1.433	1.422	1.083	1.107	0.9894	0.6579
105.0	1.096	1.317	1.211	1.044	1.272	1.208	1.084	1.109	0.9100	0.6812
108.0	1.108	1.347	1.276	1.073	1.322	0.9951	1.088	1.110	0.9953	0.6856
111.0	1.136	1.359	1.396	1.101	1.402	0.7819	1.092	1.112	1.086	0.6996
114.0	1.033	1.372	1.415	1.136	1.437	0.5686	1.096	1.113	1.116	0.7136
117.0	0.5903	0.9823	1.374	0.9716	1.452	0.3554	0.6848	1.115	1.131	0.7639
120.0	0.1476	0.3929	1.302	0.3887	1.488	0.1422	0.2739	1.116	1.146	0.8192

G/C	300.0	330.0
0.0	84.80	84.46
3.0	84.80	84.62
6.0	84.57	84.57
9.0	84.04	84.16
12.0	83.09	83.47
15.0	81.81	82.45
18.0	80.27	81.10
21.0	78.42	79.36
24.0	76.28	77.63
27.0	73.86	75.70
30.0	71.27	73.58
33.0	68.53	71.26
36.0	65.81	68.57
39.0	63.08	65.81
42.0	60.25	62.90
45.0	57.23	59.78
48.0	53.94	56.47
51.0	50.51	53.03
54.0	46.97	49.57
57.0	43.30	45.71
60.0	39.51	42.00
63.0	35.64	38.10
66.0	31.75	34.09
69.0	27.74	30.27
72.0	23.70	26.01
75.0	19.68	22.11
78.0	15.70	18.11
81.0	11.79	14.13
84.0	8.098	10.34
87.0	4.886	6.946
90.0	2.518	4.385

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:

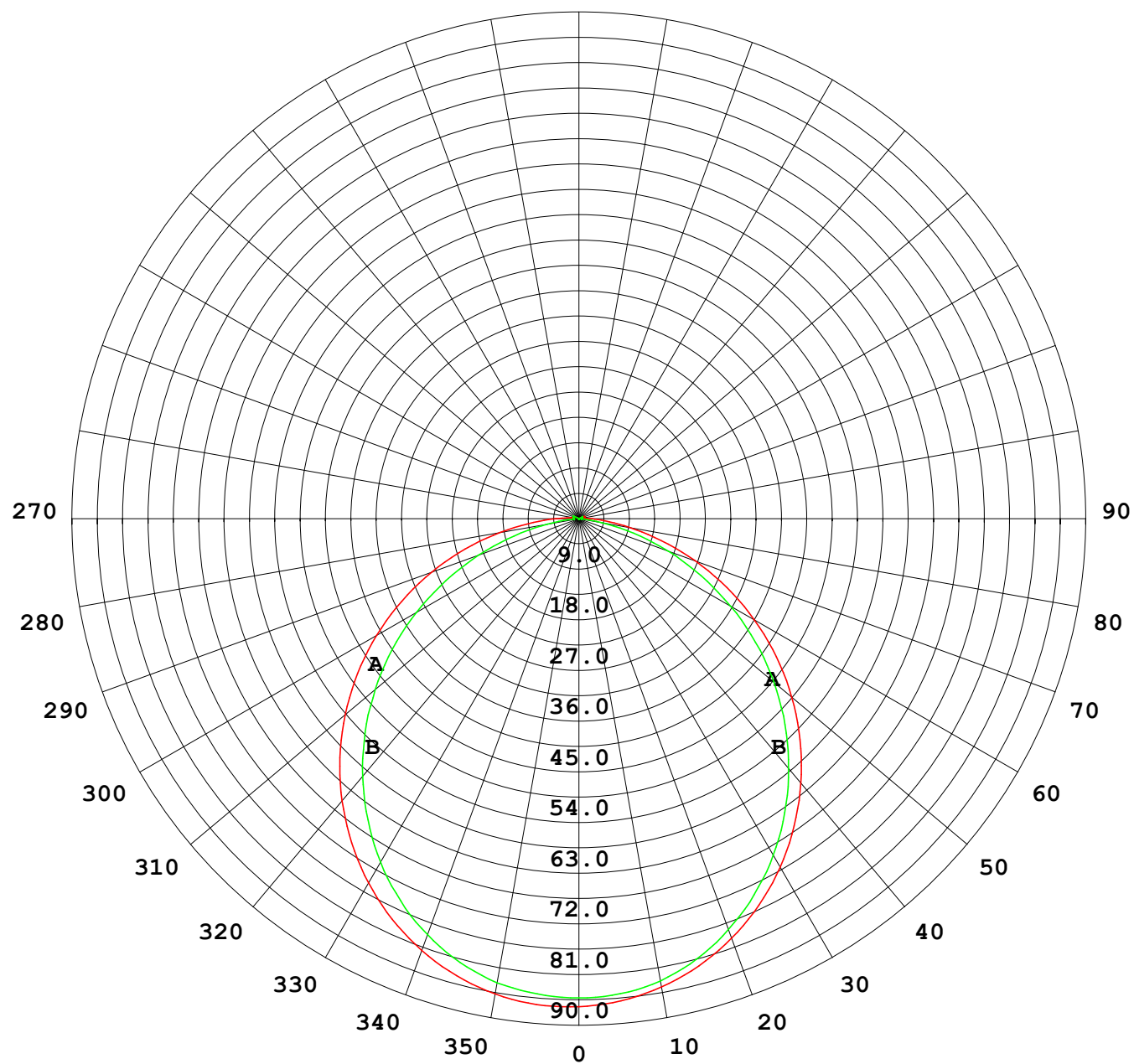
Photometric Data Table [cd]

93.0	1.350	2.648
96.0	0.9972	1.596
99.0	0.9607	1.007
102.0	0.9241	0.9303
105.0	0.8498	0.9225
108.0	0.9552	0.9147
111.0	1.011	0.9498
114.0	1.050	0.9949
117.0	0.9996	0.6767
120.0	0.8946	0.1692

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

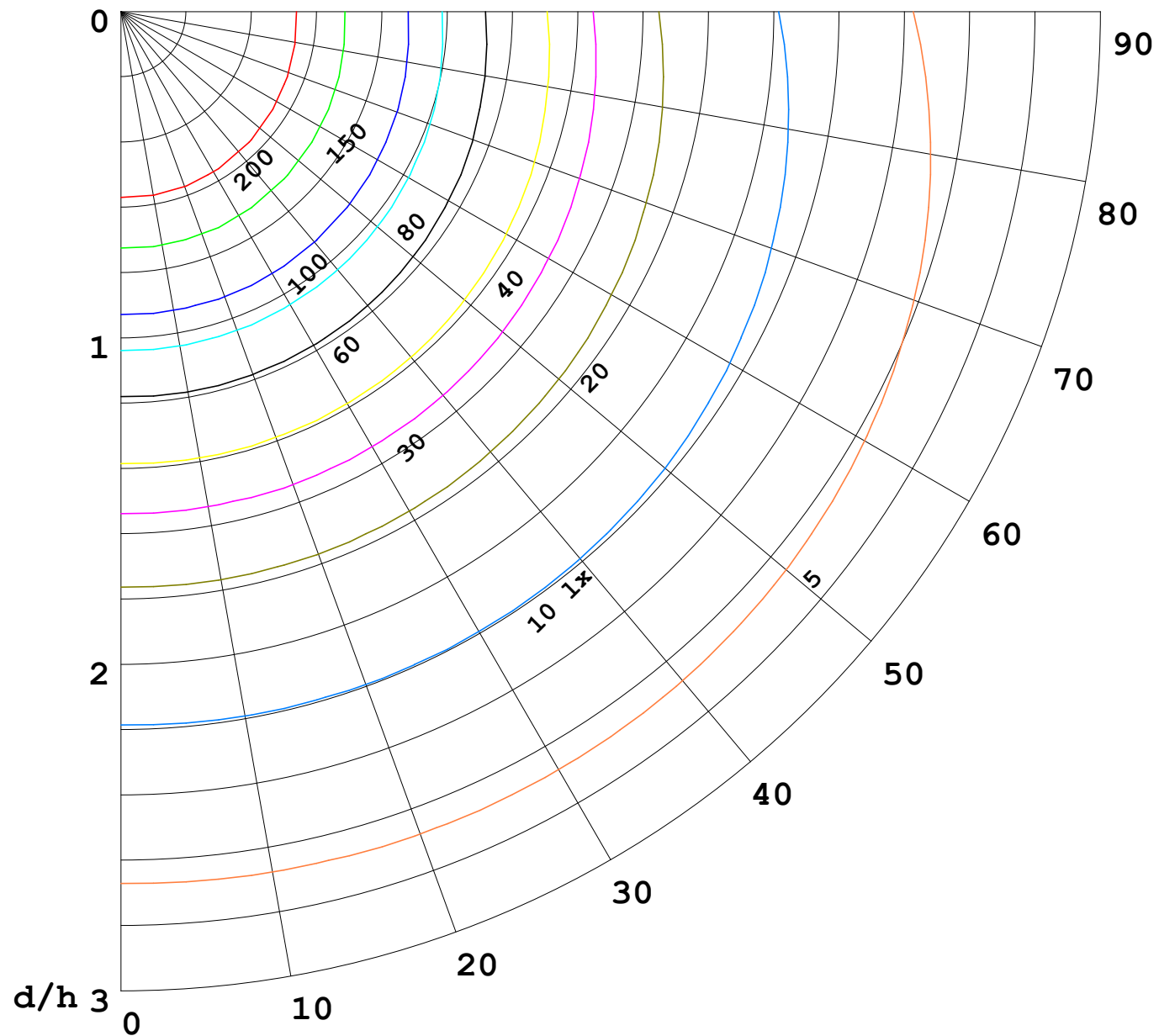
γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

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

