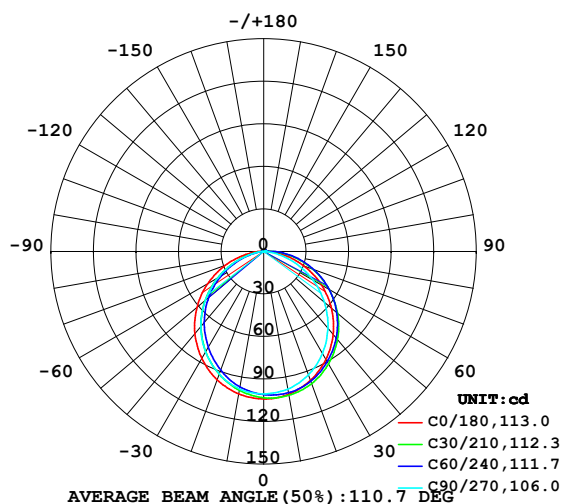


## LUMINAIRE PHOTOMETRIC TEST REPORT

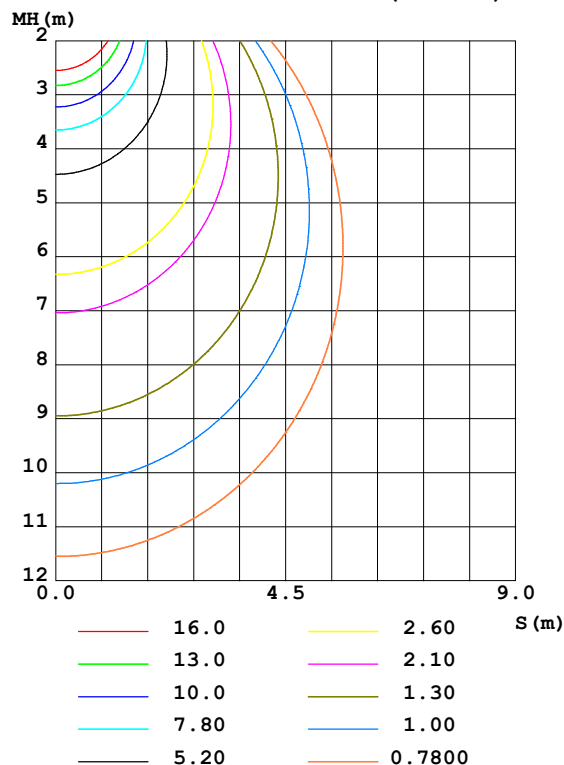
Test:U:24.00V I:0.6548A P:15.72W PF:1.000 Freq:50.00Hz Lamp Flux:295.948x1 lm		
NAME: SF15-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122310
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 18.83 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	104.0	S/MH (C0/180)	1.25
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	295.95	η UP, DN (C0-180)	1.0, 47.9
NOMINAL FLUX (lm)	295.948	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.9, 50.2
LAMPS INSIDE	1	η up (%)	1.9	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	98.1	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: 2021-12-23

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	102.2	102.1	98.59	95.28	102.0	98.21	98.51	101.7	0- 10	9.603	9.603	3.24,3.24
20	96.70	98.27	92.59	86.77	96.34	90.58	91.92	98.73	10- 20	27.43	37.03	12.5,12.5
30	87.90	90.70	83.02	75.44	87.31	79.96	82.07	92.20	20- 30	41.30	78.33	26.5,26.5
40	76.34	80.30	70.58	61.95	75.59	67.14	69.07	83.04	30- 40	49.52	127.9	43.2,43.2
50	62.48	67.70	56.03	46.85	61.53	52.40	53.87	71.80	40- 50	51.21	179.1	60.5,60.5
60	47.01	53.23	40.02	30.63	45.73	36.18	37.22	58.05	50- 60	46.23	225.3	76.1,76.1
70	30.47	37.43	23.42	14.76	28.93	19.53	20.39	42.80	60- 70	35.41	260.7	88.1,88.1
80	14.40	21.08	8.053	3.734	12.90	5.662	5.579	26.54	70- 80	21.12	281.8	95.2,95.2
90	3.881	6.779	1.106	1.790	3.005	1.312	0.5227	10.91	80- 90	8.552	290.4	98.1,98.1
100	1.471	1.679	1.307	1.718	1.240	1.248	0.6380	2.222	90-100	2.695	293.1	99,99
110	1.518	1.568	1.440	1.751	1.252	1.285	0.8580	1.165	100-110	1.483	294.6	99.5,99.5
120	1.658	1.638	0.5526	1.088	0.5041	0.8220	0.9449	1.146	110-120	1.335	295.9	100,100
130	0	0	0	0	0	0	0	0	120-130	0.0567	295.9	100,100
140	0	0	0	0	0	0	0	0	130-140	0	295.9	100,100
150	0	0	0	0	0	0	0	0	140-150	0	295.9	100,100
160	0	0	0	0	0	0	0	0	150-160	0	295.9	100,100
170	0	0	0	0	0	0	0	0	160-170	0	295.9	100,100
180	0	0	0	0	0	0	0	0	170-180	0	295.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 153.67 lm

%lum = 51.9%

%lamp = 51.9%

Conical surface Flux(120deg): 225.29 lm

%lum = 76.1%

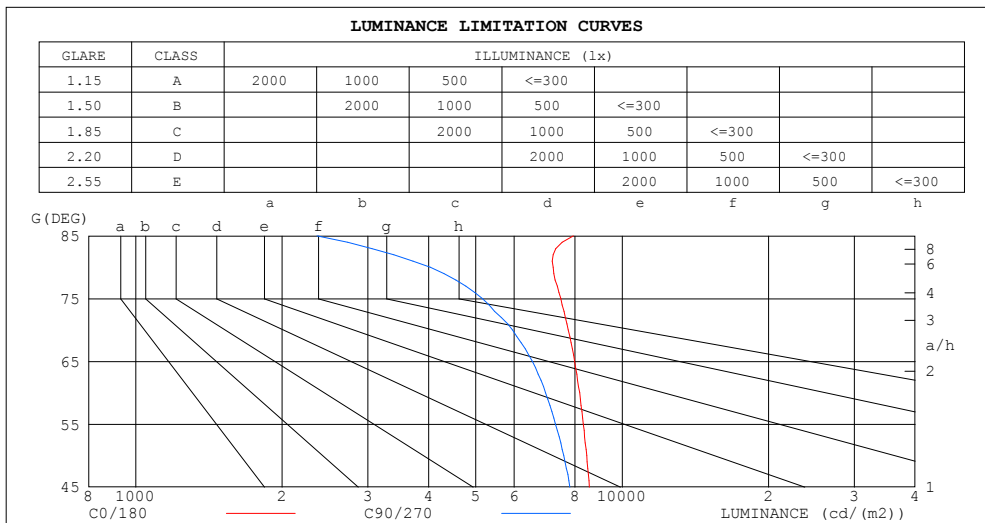
%lamp = 76.1%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-23

$\gamma$  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:0.6548A P:15.72W PF:1.000 Freq:50.00Hz Lamp Flux:295.948x1 lm		
NAME: SF15-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122310
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7935	2358
80	7213	4033
75	7478	5163
70	7747	5955
65	7980	6542
60	8176	6961
55	8322	7296
50	8452	7579
45	8565	7806

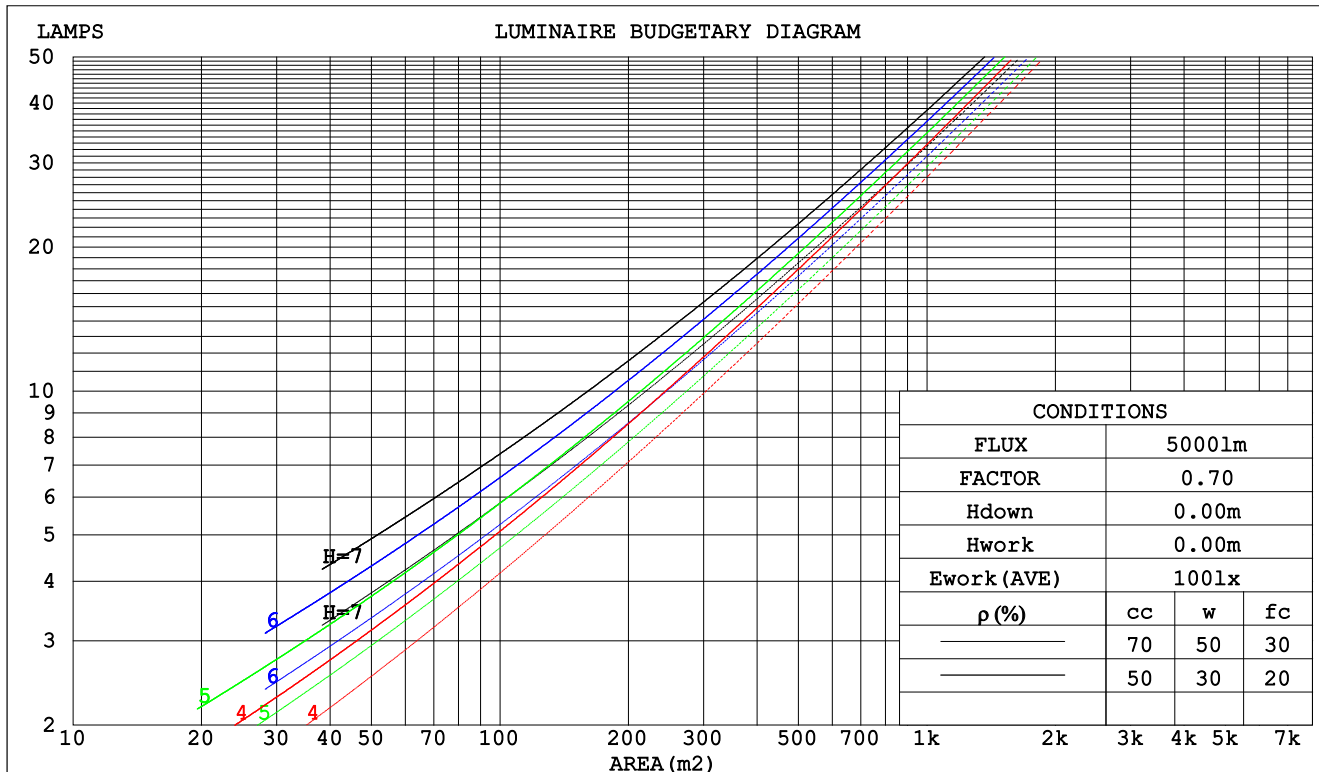
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-23

$\gamma$  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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.6548A P:15.72W PF:1.000 Freq:50.00Hz Lamp Flux:295.948x1 lm		
NAME: SF15-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122310
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)															
	RCR:Room Cavity Ratio															
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	1.00	1.00	1.00	.98
1.0	1.03	.98	.94	1.00	.96	.93	.96	.92	.89	.92	.89	.86	.88	.85	.83	.81
2.0	.89	.82	.77	.87	.81	.76	.84	.78	.73	.80	.75	.72	.77	.73	.70	.67
3.0	.78	.70	.64	.77	.69	.63	.73	.67	.61	.70	.65	.60	.68	.63	.59	.57
4.0	.69	.61	.54	.68	.60	.53	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.45	.54	.48	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.36
7.0	.51	.42	.36	.50	.41	.35	.48	.40	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.42	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-23

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:0.6548A P:15.72W PF:1.000 Freq:50.00Hz Lamp Flux:295.948x1 lm		
NAME: SF15-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122310
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	.320	.182	.058	.313	.178	.057	.298	.171	.055	.285	.164	.053	.273	.158	.051		
2.0	.297	.163	.050	.290	.160	.049	.277	.154	.048	.265	.149	.047	.255	.144	.045		
3.0	.273	.145	.043	.267	.143	.043	.255	.138	.042	.245	.134	.041	.235	.130	.040		
4.0	.251	.130	.038	.245	.128	.038	.235	.125	.037	.226	.121	.037	.217	.118	.036		
5.0	.231	.118	.034	.227	.116	.034	.218	.113	.033	.209	.110	.033	.201	.108	.032		
6.0	.214	.107	.031	.210	.106	.031	.202	.104	.030	.194	.101	.030	.187	.099	.029		
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027		
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025		
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.160	.080	.023	.154	.078	.023		
10.0	.164	.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	.205	.205	.205	.175	.175	.175	.119	.119	.119	.069	.069	.069	.022	.022	.022		
1.0	.195	.170	.148	.167	.146	.127	.114	.101	.088	.066	.058	.051	.021	.019	.017		
2.0	.187	.146	.112	.161	.126	.097	.110	.087	.068	.063	.051	.040	.020	.016	.013		
3.0	.180	.129	.089	.154	.111	.077	.106	.077	.054	.061	.045	.032	.020	.015	.010		
4.0	.172	.116	.073	.148	.100	.063	.101	.070	.045	.059	.041	.026	.019	.013	.009		
5.0	.164	.105	.062	.141	.091	.054	.097	.064	.038	.056	.037	.023	.018	.012	.007		
6.0	.157	.097	.054	.135	.084	.047	.093	.059	.033	.054	.035	.020	.017	.011	.007		
7.0	.150	.090	.048	.129	.078	.042	.089	.055	.030	.052	.032	.018	.017	.011	.006		
8.0	.144	.084	.044	.124	.073	.038	.086	.051	.027	.050	.030	.016	.016	.010	.005		
9.0	.138	.079	.040	.119	.069	.035	.082	.048	.025	.048	.029	.015	.016	.009	.005		
10.0	.132	.075	.037	.114	.065	.033	.079	.046	.023	.046	.027	.014	.015	.009	.005		

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-23

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:0.6548A P:15.72W PF:1.000 Freq:50.00Hz Lamp Flux:295.948x1 lm											
NAME: SF15-24V-2835-120-2200+5700-80						TYPE:硅胶		WEIGHT:			
SPEC.:						DIM.: 21mm*11.5mm		SERIAL No.:2021122310			
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	25.0	26.5	25.3	26.7	27.0	24.6	26.1	24.9	26.4	26.6	
	3H	26.6	28.0	26.9	28.3	28.6	26.1	27.4	26.4	27.7	28.0
	4H	27.3	28.6	27.7	28.9	29.2	26.6	27.9	26.9	28.2	28.5
	6H	27.8	29.1	28.2	29.4	29.7	26.9	28.2	27.3	28.5	28.8
	8H	28.0	29.3	28.4	29.6	29.9	27.0	28.2	27.4	28.5	28.8
	12H	28.2	29.4	28.6	29.7	30.1	27.0	28.2	27.4	28.5	28.8
4H	2H	25.8	27.1	26.1	27.4	27.7	25.5	26.8	25.8	27.1	27.4
	3H	27.7	28.8	28.0	29.1	29.5	27.3	28.5	27.7	28.8	29.1
	4H	28.5	29.6	28.9	29.9	30.3	28.1	29.1	28.5	29.5	29.8
	6H	29.2	30.2	29.7	30.6	31.0	28.6	29.5	29.0	29.9	30.3
	8H	29.5	30.4	30.0	30.8	31.2	28.7	29.6	29.2	30.0	30.4
	12H	29.7	30.6	30.2	31.0	31.4	28.8	29.6	29.3	30.0	30.5
8H	4H	29.0	29.9	29.4	30.3	30.7	28.6	29.5	29.1	29.9	30.3
	6H	30.0	30.7	30.4	31.1	31.6	29.5	30.2	30.0	30.7	31.1
	8H	30.4	31.0	30.9	31.5	32.0	29.8	30.5	30.3	31.0	31.4
	12H	30.8	31.3	31.3	31.8	32.3	30.1	30.6	30.6	31.1	31.6
12H	4H	29.1	29.9	29.5	30.3	30.7	28.7	29.5	29.1	29.9	30.4
	6H	30.1	30.8	30.6	31.2	31.7	29.7	30.3	30.2	30.8	31.3
	8H	30.6	31.2	31.2	31.7	32.2	30.2	30.7	30.7	31.2	31.7
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.3 / - 0.4					
2.0H	+ 0.2 / - 0.5					+ 0.3 / - 0.6					

CIE Pub.117, 295.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.2)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-23

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:0.6548A P:15.72W PF:1.000 Freq:50.00Hz Lamp Flux:295.948x1 lm		
NAME: SF15-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122310
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

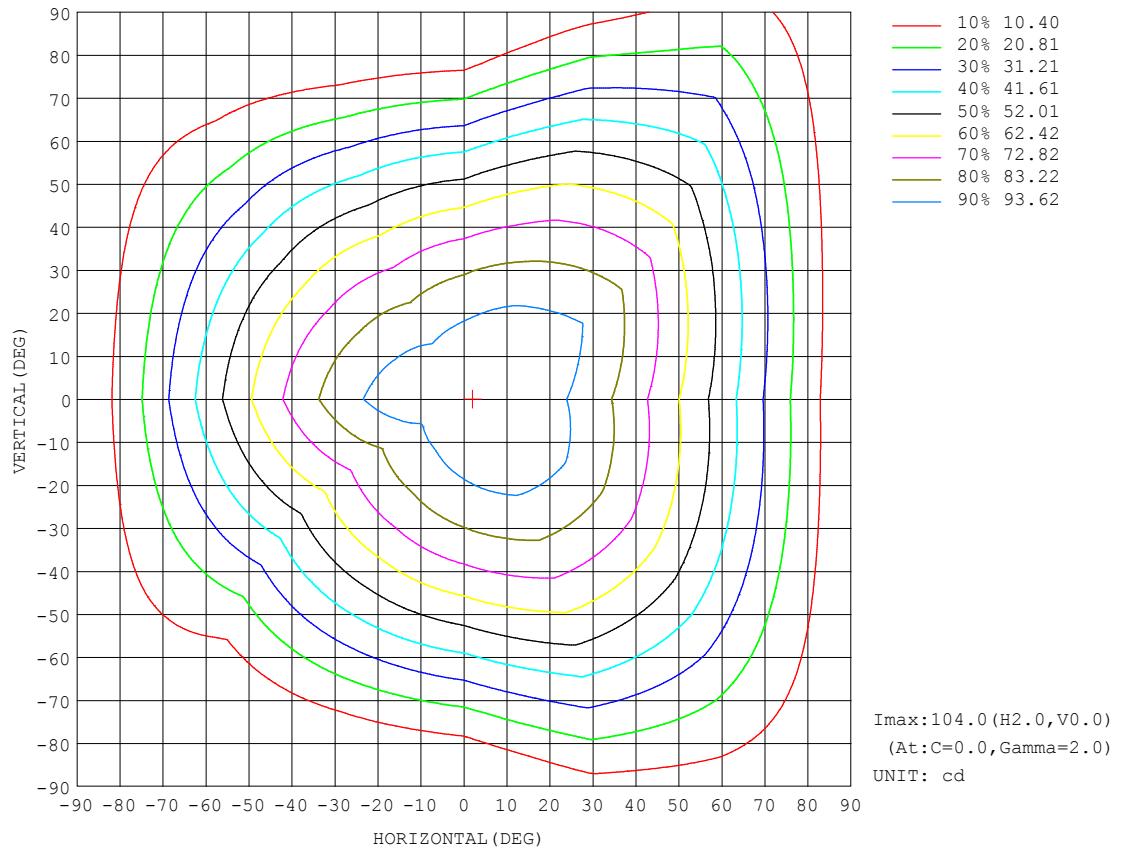
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	47	65	54	47	64	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	80	70	63	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	77	88	81	76	68
2.50	98	90	83	96	88	82	91	85	80	72
3.00	101	94	88	99	92	87	94	89	85	76
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	102	98	105	100	96	100	97	93	83
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: 2021-12-23

$\gamma$  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:0.6548A P:15.72W PF:1.000 Freq:50.00Hz Lamp Flux:295.948x1 lm		
NAME: SF15-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122310
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



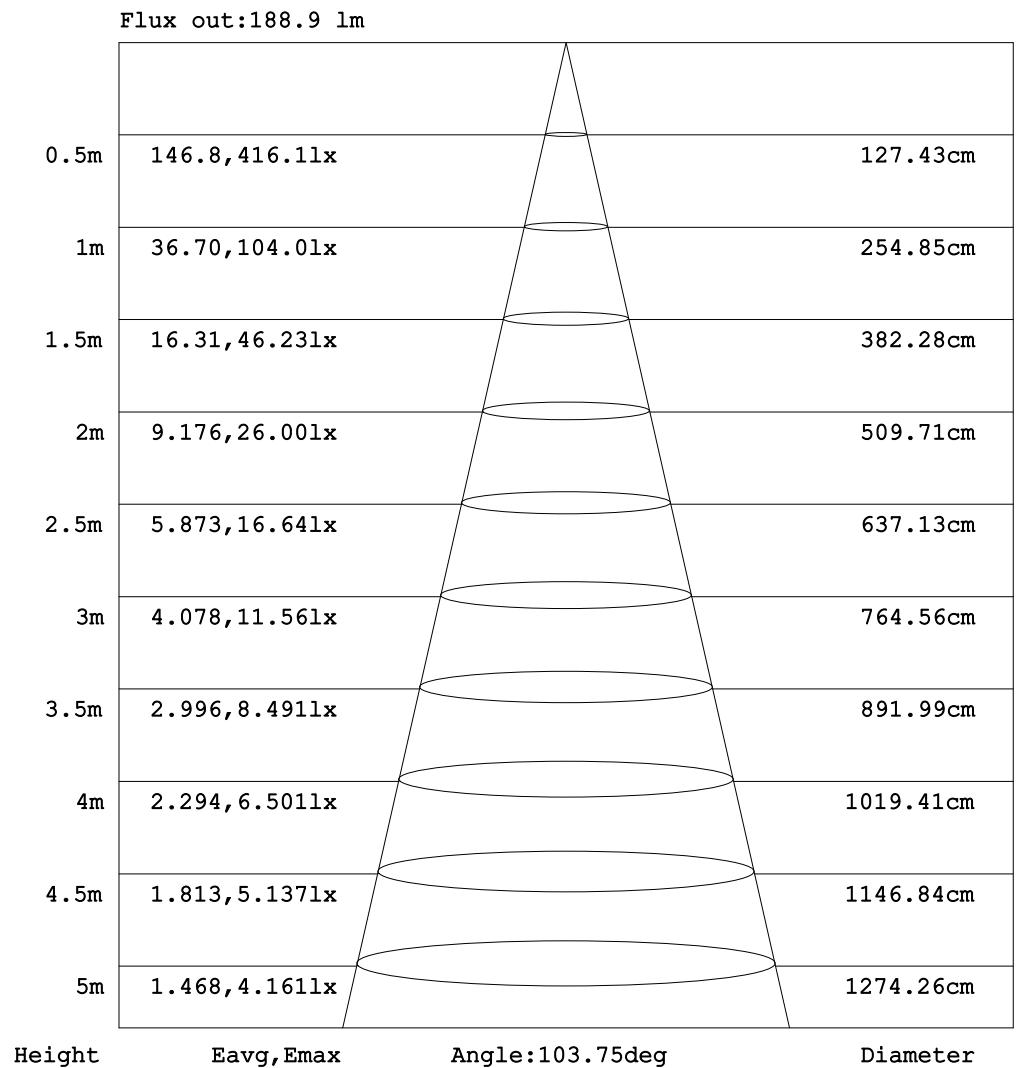
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-23

$\gamma$  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:0.6548A P:15.72W PF:1.000 Freq:50.00Hz Lamp Flux:295.948x1 lm		
NAME: SF15-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122310
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



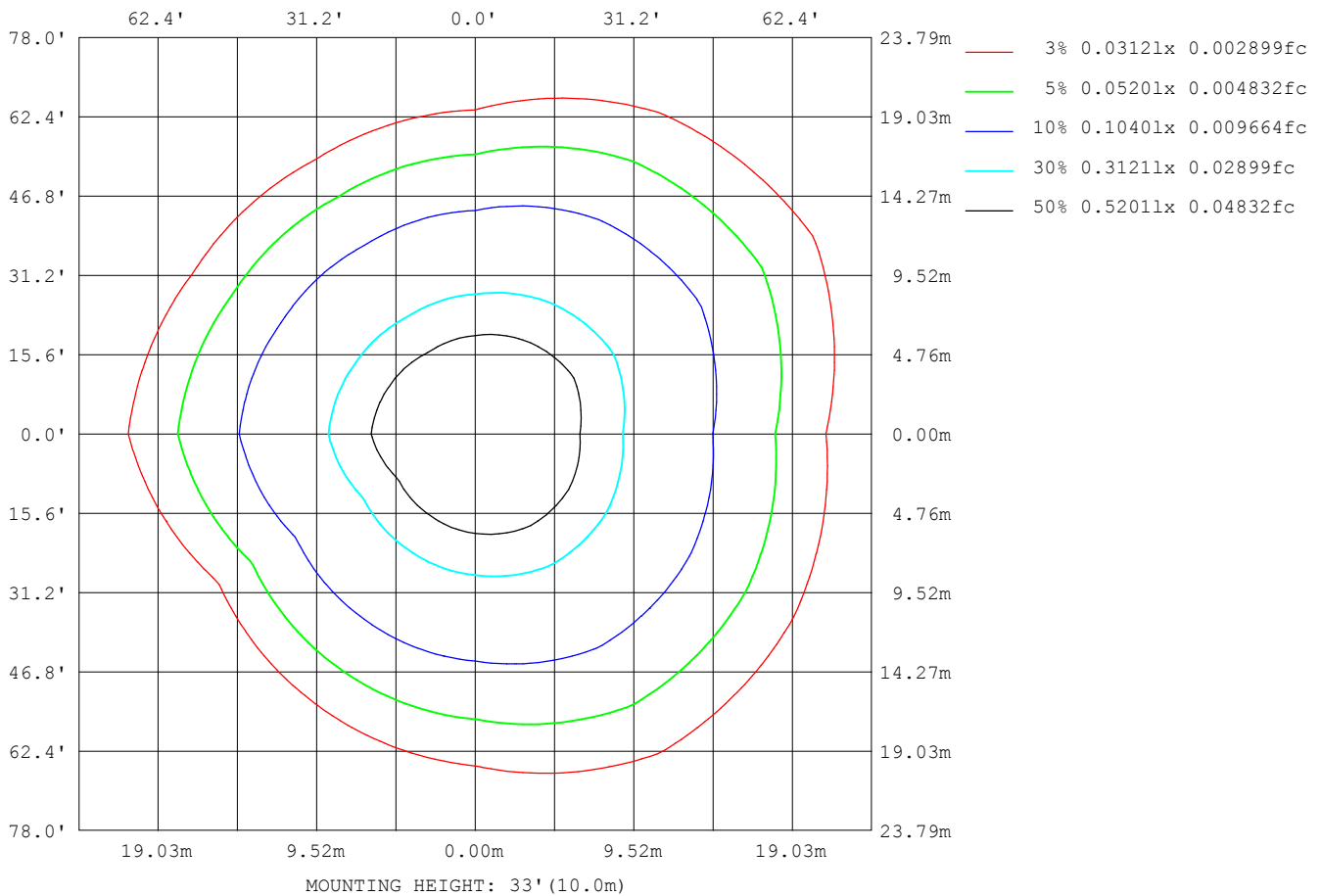
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-23

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:0.6548A P:15.72W PF:1.000 Freq:50.00Hz Lamp Flux:295.948x1 lm		
NAME: SF15-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122310
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:2021-12-23

$\gamma$  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:0.6548A P:15.72W PF:1.000 Freq:50.00Hz Lamp Flux:295.948x1 lm		
NAME: SF15-24V-2835-120-2200+5700-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122310
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

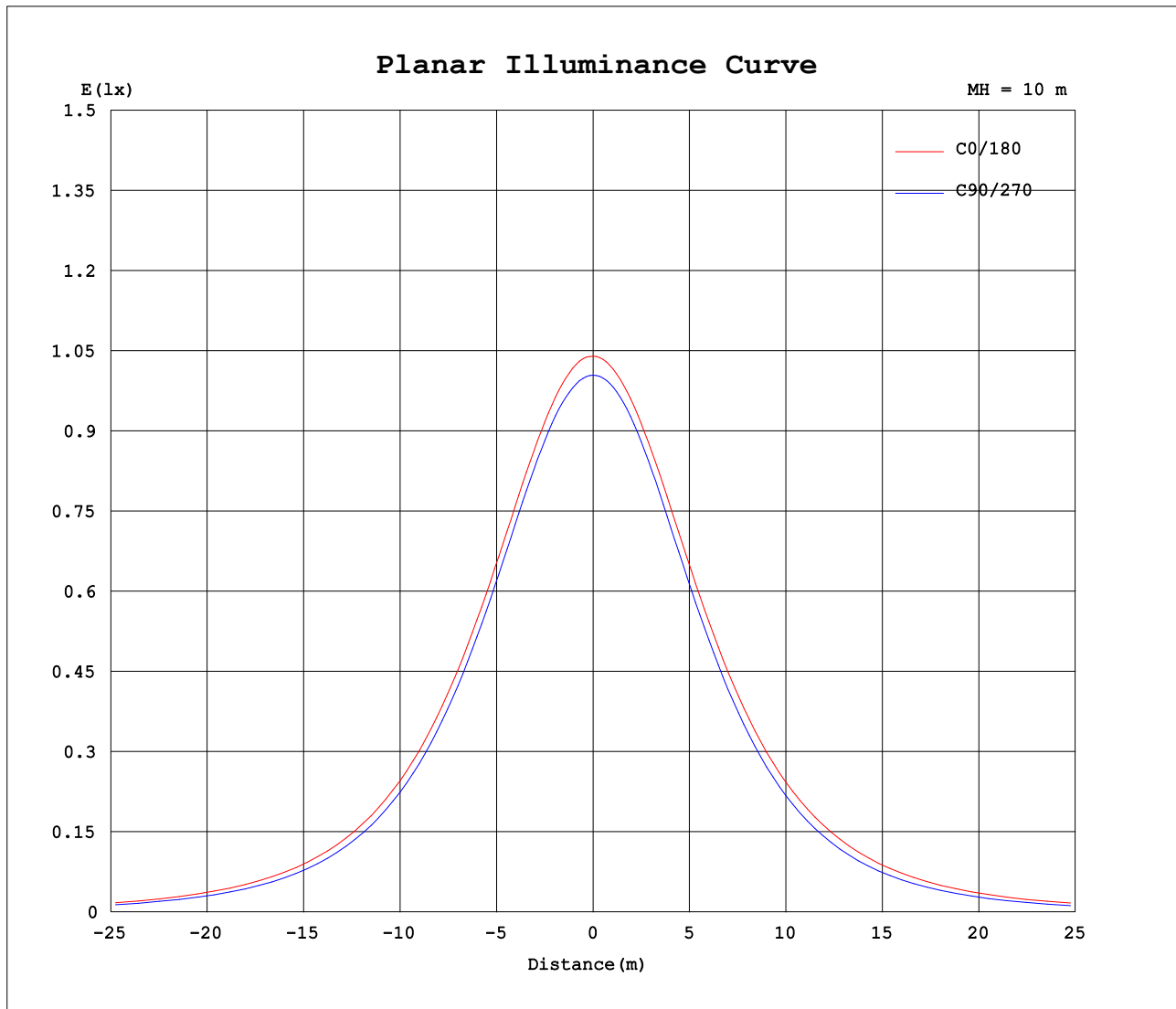
AvgL	cd/m2
L_0~180 (65) av	7837
L_0~180 (75) av	7194
L_0~180 (85) av	7417
L_90~270 (65) av	6238
L_90~270 (75) av	4679
L_90~270 (85) av	1653
L_45 (65) av	7588
L_45 (75) av	7201
L_45 (85) av	9484

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-23

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: 2021-12-23

$\gamma$  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:0.6548A P:15.72W PF:1.000 Freq:50.00Hz Lamp Flux:295.948x1 lm		
NAME: SF15-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122310
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	104	103	101	100	100	100	104	103	101	100	100	100						
5	104	104	101	100.0	98.6	97.9	103	102	99.4	100	101	102						
10	102	103	101	98.6	96.0	94.6	102	99.4	97.0	98.5	101	103						
15	99.9	102	99.8	96.0	92.4	90.5	99.6	96.2	93.5	95.8	99.3	102						
20	96.7	99.2	97.3	92.6	88.0	85.6	96.3	92.1	89.0	91.9	96.9	101						
25	92.7	95.8	94.0	88.2	82.8	80.0	92.2	87.3	83.8	87.4	93.4	98.2						
30	87.9	91.6	89.8	83.0	77.1	73.8	87.3	81.8	78.1	82.1	89.1	95.3						
35	82.5	86.6	85.0	77.1	70.8	67.0	81.8	75.7	72.0	75.9	84.1	91.6						
40	76.3	81.0	79.6	70.6	64.1	59.8	75.6	69.0	65.3	69.1	79.1	87.0						
45	69.7	74.8	73.7	63.5	57.0	52.2	68.8	61.7	58.2	61.7	73.6	81.8						
50	62.5	68.1	67.3	56.0	49.5	44.2	61.5	54.0	50.8	53.9	67.8	75.8						
55	54.9	60.8	60.5	48.1	41.7	36.0	53.8	45.9	43.0	45.7	61.0	69.3						
60	47.0	53.2	53.3	40.0	33.6	27.7	45.7	37.5	34.9	37.2	53.9	62.2						
65	38.8	45.3	45.6	31.8	25.5	19.5	37.4	29.1	26.6	28.8	46.3	54.8						
70	30.5	37.1	37.8	23.4	17.5	12.0	28.9	20.7	18.4	20.4	38.5	47.1						
75	22.3	28.8	29.8	15.4	10.1	6.41	20.6	12.9	10.7	12.5	30.4	39.0						
80	14.4	20.4	21.8	8.05	4.53	2.94	12.9	6.67	4.65	5.58	22.3	30.8						
85	7.95	12.6	14.0	2.36	1.99	1.82	6.91	2.77	1.56	0.95	14.3	22.6						
90	3.88	6.41	7.15	1.11	1.78	1.80	3.01	1.39	1.24	0.52	7.20	14.6						
95	1.94	2.92	2.82	1.22	1.77	1.78	1.34	1.32	1.22	0.55	2.56	7.79						
100	1.47	1.68	1.68	1.31	1.71	1.72	1.24	1.29	1.21	0.64	1.16	3.28						
105	1.49	1.54	1.49	1.49	1.62	1.84	1.25	1.30	1.07	0.85	0.94	1.54						
110	1.52	1.58	1.55	1.44	1.65	1.85	1.25	1.32	1.25	0.86	1.14	1.19						
115	1.57	1.63	1.68	1.40	1.80	1.87	1.26	1.33	1.04	0.87	1.20	1.20						
120	1.66	1.66	1.61	0.55	0.30	1.87	0.50	1.35	0.30	0.94	1.04	1.26						
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:2021-12-23

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	104.0	103.2	101.0	100.4	100.3	100.4	104.0	103.2	101.0	100.4
3.0	103.9	103.6	101.4	100.3	99.39	99.00	103.8	102.4	100.2	100.3
6.0	103.4	103.5	101.4	99.73	98.13	97.33	103.3	101.3	99.03	99.83
9.0	102.6	103.2	101.4	98.90	96.56	95.35	102.3	99.97	97.59	98.93
12.0	101.4	102.5	100.8	97.71	94.67	93.01	101.1	98.24	95.71	97.53
15.0	99.90	101.6	99.78	96.04	92.41	90.49	99.58	96.20	93.47	95.77
18.0	98.08	100.2	98.44	94.05	89.84	87.60	97.74	93.90	90.90	93.71
21.0	95.96	98.58	96.74	91.79	86.98	84.50	95.56	91.24	88.01	91.04
24.0	93.54	96.57	94.69	89.14	83.92	81.11	93.13	88.32	84.91	88.40
27.0	90.86	94.15	92.40	86.17	80.63	77.50	90.36	85.24	81.58	85.22
30.0	87.90	91.63	89.76	83.02	77.11	73.77	87.31	81.83	78.10	82.07
33.0	84.72	88.67	86.92	79.53	73.42	69.74	84.07	78.19	74.46	78.42
36.0	81.30	85.52	83.94	75.82	69.53	65.57	80.57	74.37	70.65	74.58
39.0	77.61	82.18	80.72	71.91	65.50	61.28	76.86	70.32	66.67	70.50
42.0	73.71	78.60	77.31	67.83	61.30	56.79	72.94	66.08	62.54	66.16
45.0	69.65	74.77	73.72	63.48	57.01	52.16	68.79	61.72	58.24	61.72
48.0	65.40	70.84	69.95	59.11	52.54	47.47	64.48	57.15	53.82	57.05
51.0	60.99	66.64	66.03	54.48	47.95	42.59	60.02	52.43	49.25	52.26
54.0	56.46	62.28	61.95	49.76	43.26	37.65	55.38	47.66	44.55	47.39
57.0	51.78	57.82	57.66	44.94	38.47	32.67	50.63	42.63	39.76	42.35
60.0	47.01	53.18	53.28	40.02	33.61	27.66	45.73	37.51	34.85	37.22
63.0	42.15	48.43	48.76	35.06	28.74	22.70	40.74	32.49	29.87	32.22
66.0	37.19	43.64	44.10	30.09	23.85	17.93	35.72	27.41	24.93	27.14
69.0	32.18	38.69	39.35	25.03	19.03	13.43	30.60	22.27	19.98	22.02
72.0	27.17	33.72	34.60	20.06	14.43	9.487	25.51	17.46	15.20	17.17
75.0	22.26	28.75	29.81	15.37	10.15	6.410	20.57	12.85	10.71	12.48
78.0	17.41	23.68	24.95	10.88	6.490	4.010	15.84	8.862	6.749	8.085
81.0	12.92	18.77	20.17	6.687	3.766	2.540	11.54	5.663	3.786	4.413
84.0	9.045	14.11	15.49	3.277	2.241	1.879	7.914	3.339	1.911	1.466
87.0	6.006	9.780	11.09	1.321	1.795	1.811	5.074	1.934	1.246	0.6145
90.0	3.881	6.410	7.149	1.106	1.781	1.799	3.005	1.388	1.237	0.5227
93.0	2.511	4.030	4.064	1.176	1.771	1.781	1.751	1.332	1.227	0.5407
96.0	1.736	2.519	2.407	1.221	1.765	1.772	1.256	1.317	1.218	0.5827
99.0	1.468	1.717	1.760	1.282	1.728	1.739	1.239	1.297	1.208	0.6130
102.0	1.477	1.601	1.653	1.378	1.676	1.779	1.242	1.293	1.199	0.7884
105.0	1.486	1.538	1.494	1.487	1.624	1.837	1.246	1.295	1.070	0.8544
108.0	1.493	1.568	1.462	1.445	1.563	1.846	1.249	1.308	1.146	0.8565
111.0	1.518	1.588	1.603	1.437	1.723	1.852	1.253	1.321	1.302	0.8607
114.0	1.561	1.623	1.674	1.409	1.804	1.870	1.257	1.330	1.188	0.8689
117.0	1.603	1.649	1.699	1.381	1.203	1.872	1.260	1.339	0.7427	0.8894
120.0	1.658	1.664	1.613	0.5526	0.3007	1.875	0.5041	1.347	0.2971	0.9449

G/C	300.0	330.0
0.0	100.3	100.4
3.0	100.9	101.4
6.0	101.1	102.1
9.0	101.0	102.5
12.0	100.3	102.6
15.0	99.33	102.2
18.0	97.99	101.4
21.0	96.29	100.1
24.0	94.19	98.73
27.0	91.77	97.05
30.0	89.08	95.31
33.0	86.17	93.22
36.0	83.13	90.77
39.0	80.09	88.00
42.0	76.94	85.01
45.0	73.65	81.77
48.0	70.23	78.27
51.0	66.48	74.54
54.0	62.43	70.68
57.0	58.23	66.56
60.0	53.87	62.22
63.0	49.39	57.90
66.0	44.81	53.37
69.0	40.08	48.71
72.0	35.26	43.96
75.0	30.42	39.02
78.0	25.53	33.97
81.0	20.65	29.11
84.0	15.88	24.09
87.0	11.34	19.13
90.0	7.200	14.62

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-12-23

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:

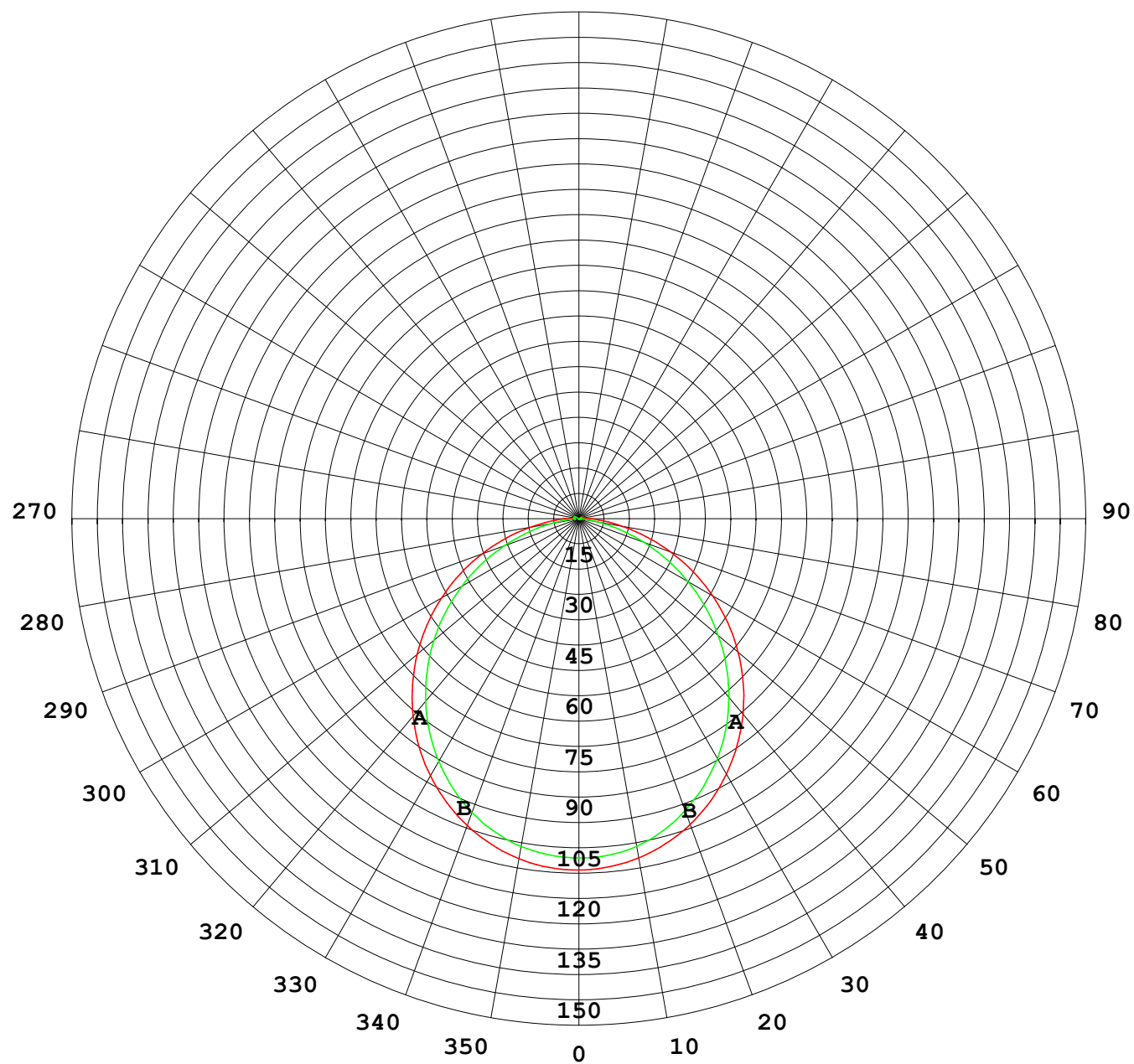
## Photometric Data Table [cd]

93.0	3.987	10.09
96.0	2.066	6.656
99.0	1.275	4.038
102.0	1.100	2.346
105.0	0.9398	1.544
108.0	1.041	1.207
111.0	1.153	1.191
114.0	1.189	1.199
117.0	1.156	1.206
120.0	1.035	1.256

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LPC  
Test Date: 2021-12-23

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:

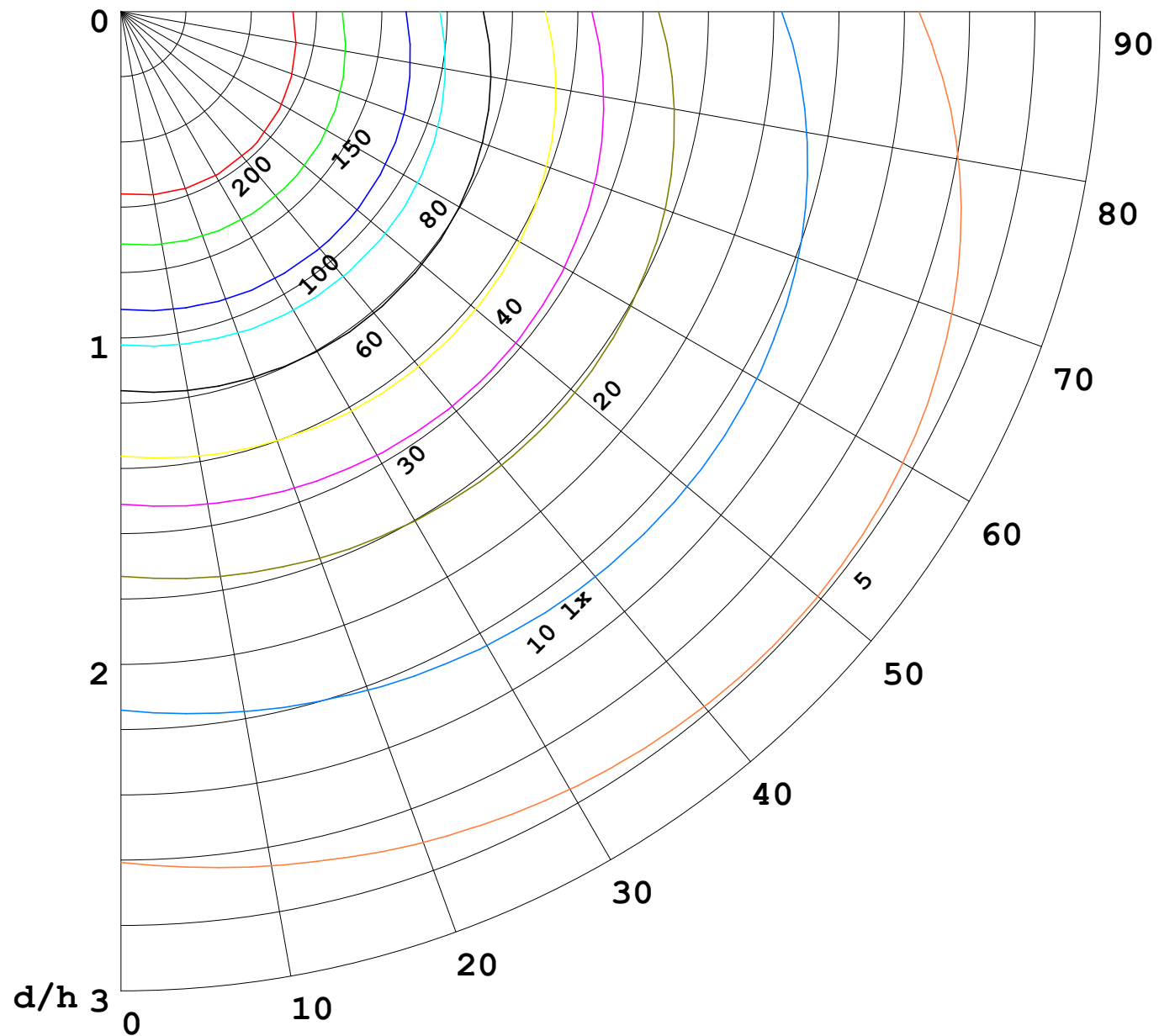
I (cd)





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

