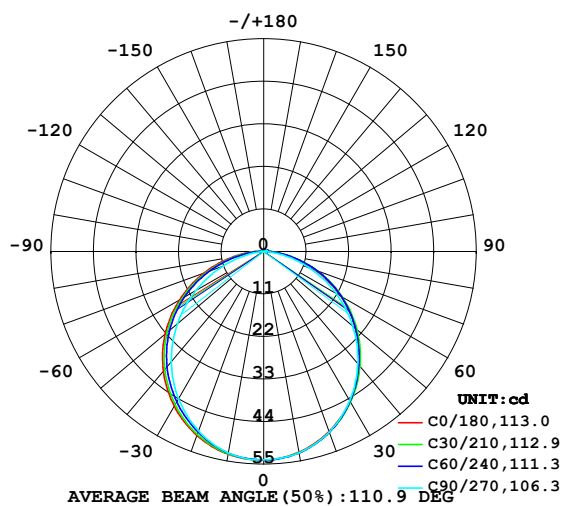


## LUMINAIRE PHOTOMETRIC TEST REPORT

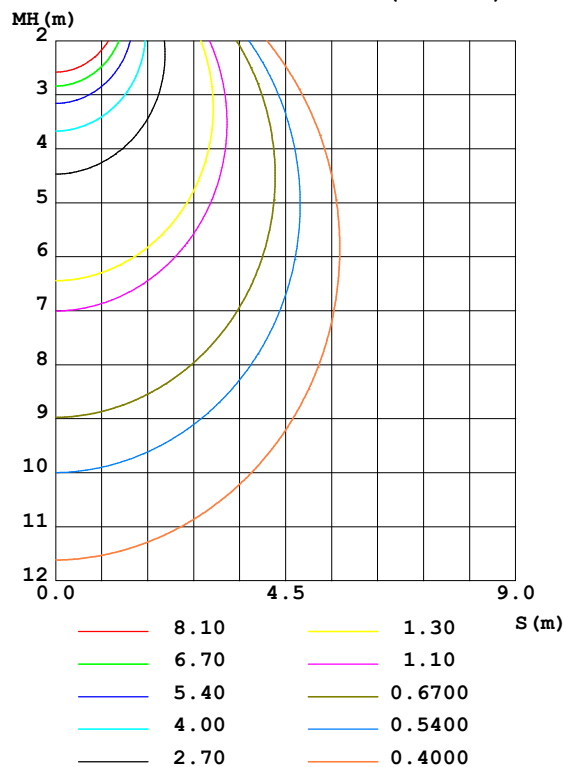
Test:U:24.00V I:0.3319A P:7.966W PF:1.000 Freq:50.00Hz Lamp Flux:154.912x1 lm		
NAME: SF15-24V-2835-120-3000+6000-80-6000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122315
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 19.45 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	53.96	S/MH (C0/180)	1.27
NOMINAL POWER (W)	7.5	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	154.91	η UP, DN (C0-180)	0.8, 48.9
NOMINAL FLUX (lm)	154.912	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 49.7
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: 2021-12-23

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	52.70	52.86	52.87	52.81	53.22	53.03	52.91	53.02	0- 10	5.100	5.100	3.29,3.29
20	49.51	49.76	49.68	49.75	50.61	50.02	49.34	49.84	10- 20	14.56	19.66	12.7,12.7
30	44.67	44.87	44.57	45.05	46.24	45.35	44.05	44.87	20- 30	21.93	41.59	26.8,26.8
40	38.43	38.53	37.94	38.94	40.39	39.35	37.21	38.75	30- 40	26.28	67.87	43.8,43.8
50	31.08	31.30	30.12	31.65	33.27	32.22	29.11	31.70	40- 50	27.16	95.03	61.3,61.3
60	22.93	23.32	21.63	23.47	25.20	24.09	20.26	23.92	50- 60	24.54	119.6	77.2,77.2
70	14.28	14.85	12.68	14.71	16.50	15.29	11.24	15.45	60- 70	18.78	138.4	89.3,89.3
80	6.098	6.564	4.421	6.317	7.908	6.669	3.157	7.008	70- 80	10.89	149.2	96.3,96.3
90	1.480	1.357	0.5475	1.327	1.997	1.192	0.2650	1.300	80- 90	3.512	152.8	98.6,98.6
100	0.6765	0.7931	0.5731	0.8915	0.6186	0.5985	0.2914	0.5405	90-100	0.8502	153.6	99.2,99.2
110	0.6902	0.8065	0.6802	0.8630	0.6221	0.4697	0.4170	0.5681	100-110	0.6829	154.3	99.6,99.6
120	0.7740	0.5262	0.2362	0.9172	0.1132	0.0850	0.4674	0.6257	110-120	0.5953	154.9	100,100
130	0	0	0	0	0	0	0	0	120-130	0.0259	154.9	100,100
140	0	0	0	0	0	0	0	0	130-140	0	154.9	100,100
150	0	0	0	0	0	0	0	0	140-150	0	154.9	100,100
160	0	0	0	0	0	0	0	0	150-160	0	154.9	100,100
170	0	0	0	0	0	0	0	0	160-170	0	154.9	100,100
180	0	0	0	0	0	0	0	0	170-180	0	154.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 81.567 lm

%lum = 52.7%

%lamp = 52.7%

Conical surface Flux(120deg): 119.57 lm

%lum = 77.2%

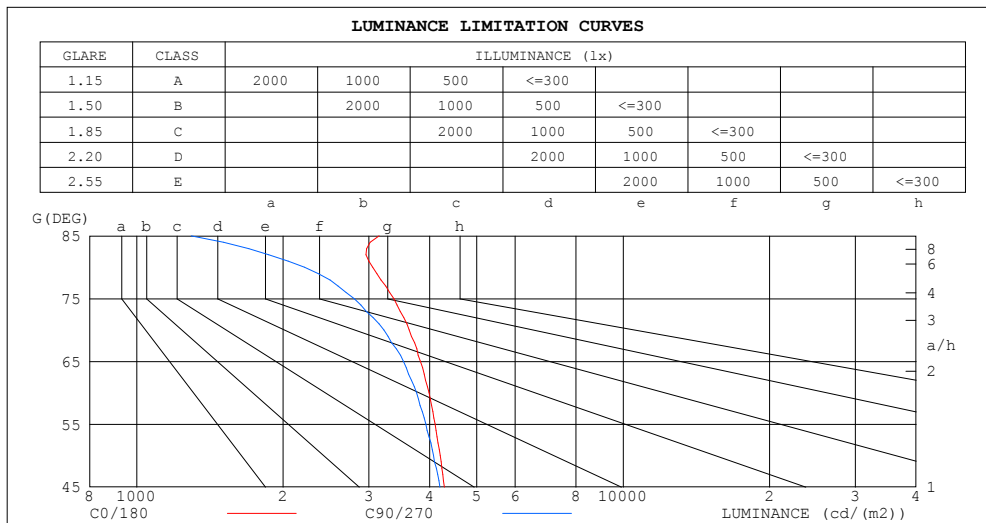
%lamp = 77.2%

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:0.3319A P:7.966W PF:1.000 Freq:50.00Hz Lamp Flux:154.912x1 lm		
NAME: SF15-24V-2835-120-3000+6000-80-6000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122315
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3149	1294
80	3054	2214
75	3375	2797
70	3630	3224
65	3827	3536
60	3988	3762
55	4106	3930
50	4205	4074
45	4289	4203

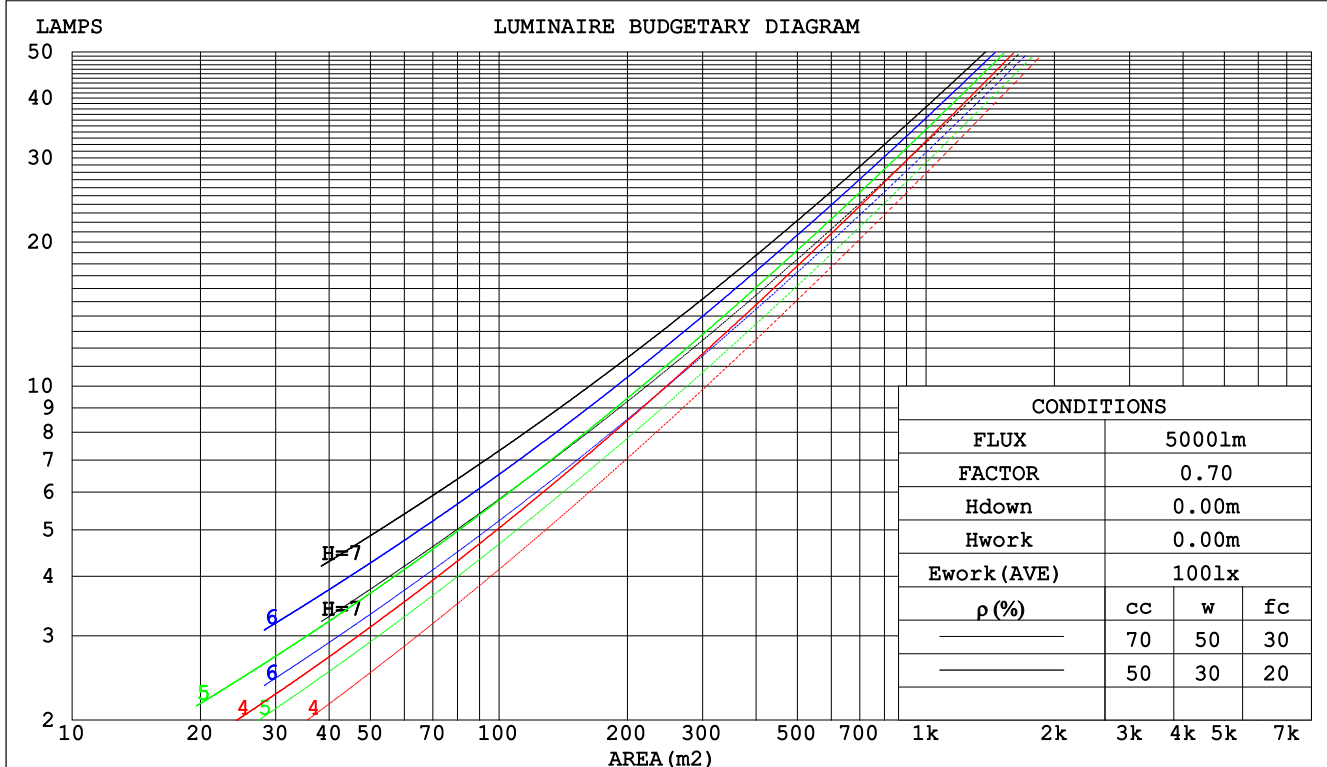
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-23

$\gamma$  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:0.3319A P:7.966W PF:1.000 Freq:50.00Hz Lamp Flux:154.912x1 lm		
NAME: SF15-24V-2835-120-3000+6000-80-6000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122315
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.90	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.77	.74	.70	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.67	.62	.71	.66	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.40	.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:2021-12-23

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:0.3319A P:7.966W PF:1.000 Freq:50.00Hz Lamp Flux:154.912x1 lm		
NAME: SF15-24V-2835-120-3000+6000-80-6000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122315
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	.314	.178	.057	.306	.175	.055	.292	.168	.054	.279	.161	.052	.267	.155	.050	
2.0	.293	.161	.049	.287	.158	.049	.274	.153	.047	.263	.147	.046	.252	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.244	.133	.041	.234	.130	.040	
4.0	.249	.130	.038	.244	.128	.038	.234	.124	.037	.225	.121	.037	.217	.118	.036	
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.108	.032	
6.0	.214	.107	.031	.209	.106	.030	.202	.103	.030	.194	.101	.030	.188	.099	.029	
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.186	.091	.025	.182	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025	
9.0	.174	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.074	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.201	.201	.201	.172	.172	.172	.117	.117	.117	.067	.067	.067	.022	.022	.022	
1.0	.191	.167	.145	.164	.143	.125	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.143	.109	.157	.123	.094	.108	.085	.065	.062	.049	.038	.020	.016	.013	
3.0	.175	.125	.085	.150	.108	.074	.103	.075	.052	.060	.044	.030	.019	.014	.010	
4.0	.168	.112	.069	.144	.097	.060	.099	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.160	.101	.058	.138	.088	.051	.095	.061	.036	.055	.036	.021	.018	.012	.007	
6.0	.153	.093	.050	.132	.081	.044	.091	.056	.031	.053	.033	.018	.017	.011	.006	
7.0	.146	.086	.044	.126	.075	.038	.087	.052	.027	.051	.031	.016	.016	.010	.005	
8.0	.140	.080	.040	.120	.070	.035	.083	.049	.025	.048	.029	.015	.016	.009	.005	
9.0	.134	.076	.036	.115	.066	.032	.080	.046	.022	.047	.027	.013	.015	.009	.004	
10.0	.128	.071	.033	.110	.062	.029	.077	.044	.021	.045	.026	.012	.014	.008	.004	

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:0.3319A P:7.966W PF:1.000 Freq:50.00Hz Lamp Flux:154.912x1 lm										
NAME: SF15-24V-2835-120-3000+6000-80-6000					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 21mm*11.5mm			SERIAL No.:2021122315		
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	24.2	25.7	24.5	25.9	26.2	24.0	25.5	24.3	25.7	26.0
3H	25.7	27.1	26.0	27.4	27.6	25.4	26.8	25.7	27.1	27.3
4H	26.3	27.6	26.6	27.9	28.2	25.9	27.2	26.3	27.5	27.8
6H	26.7	28.0	27.1	28.3	28.6	26.2	27.5	26.6	27.8	28.1
8H	26.9	28.1	27.3	28.4	28.7	26.3	27.5	26.6	27.8	28.1
12H	27.0	28.2	27.4	28.5	28.8	26.3	27.4	26.7	27.8	28.1
4H 2H	24.8	26.1	25.1	26.4	26.7	24.7	26.0	25.0	26.3	26.6
3H	26.5	27.7	26.9	28.0	28.3	26.3	27.5	26.7	27.8	28.1
4H	27.3	28.3	27.7	28.7	29.0	27.0	28.0	27.4	28.4	28.7
6H	27.8	28.8	28.3	29.2	29.6	27.4	28.3	27.8	28.7	29.1
8H	28.0	28.9	28.5	29.3	29.7	27.5	28.4	27.9	28.8	29.2
12H	28.2	29.0	28.7	29.4	29.9	27.6	28.4	28.0	28.8	29.2
8H 4H	27.6	28.4	28.0	28.8	29.2	27.3	28.2	27.7	28.6	29.0
6H	28.3	29.0	28.8	29.4	29.9	27.9	28.6	28.4	29.1	29.5
8H	28.6	29.2	29.1	29.7	30.2	28.1	28.8	28.6	29.2	29.7
12H	28.9	29.4	29.4	29.9	30.4	28.2	28.8	28.7	29.3	29.8
12H 4H	27.6	28.4	28.0	28.8	29.2	27.3	28.1	27.8	28.5	29.0
6H	28.4	29.0	28.8	29.5	29.9	28.0	28.6	28.5	29.1	29.6
8H	28.7	29.3	29.2	29.7	30.2	28.3	28.8	28.8	29.3	29.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 154.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.5)

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:0.3319A P:7.966W PF:1.000 Freq:50.00Hz Lamp Flux:154.912x1 lm		
NAME: SF15-24V-2835-120-3000+6000-80-6000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122315
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

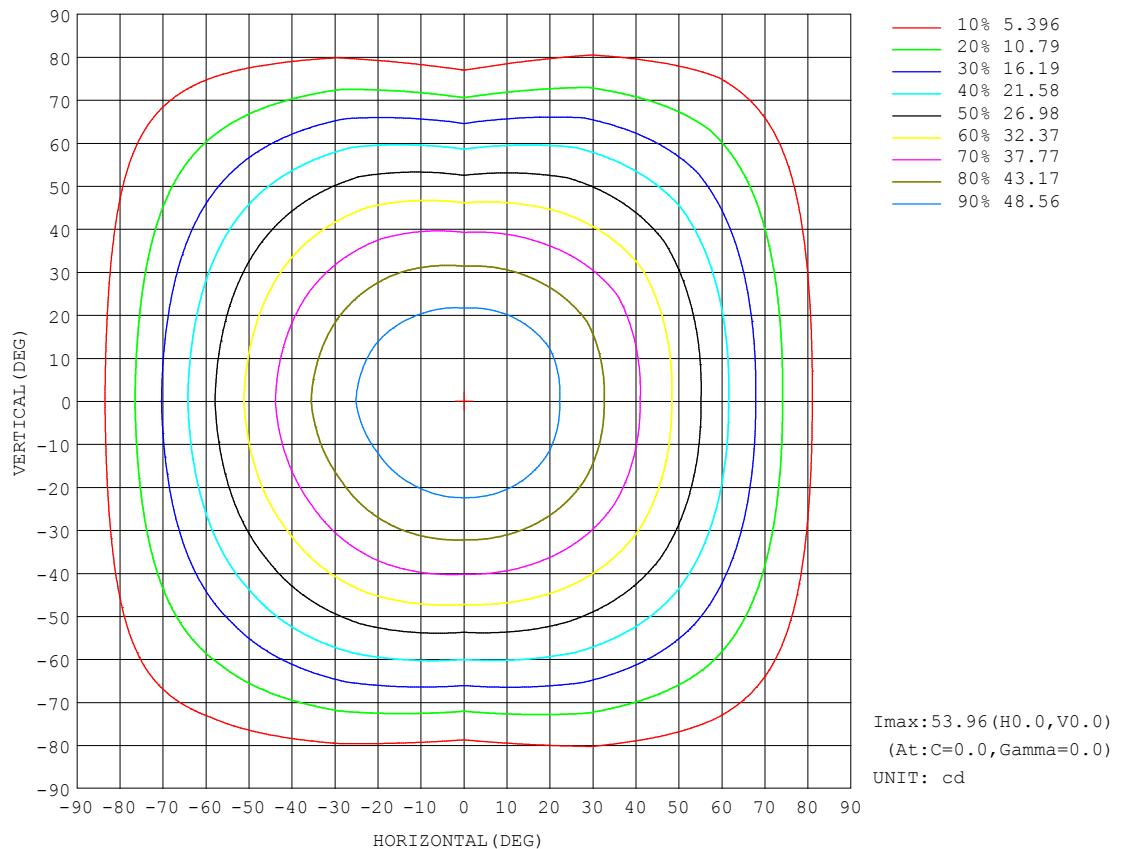
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	65	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	82	75	69	61
2.00	94	86	79	92	84	78	89	82	77	68
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	85	77
4.00	106	100	95	103	98	94	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: 2021-12-23

$\gamma$  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:0.3319A P:7.966W PF:1.000 Freq:50.00Hz Lamp Flux:154.912x1 lm		
NAME: SF15-24V-2835-120-3000+6000-80-6000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122315
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



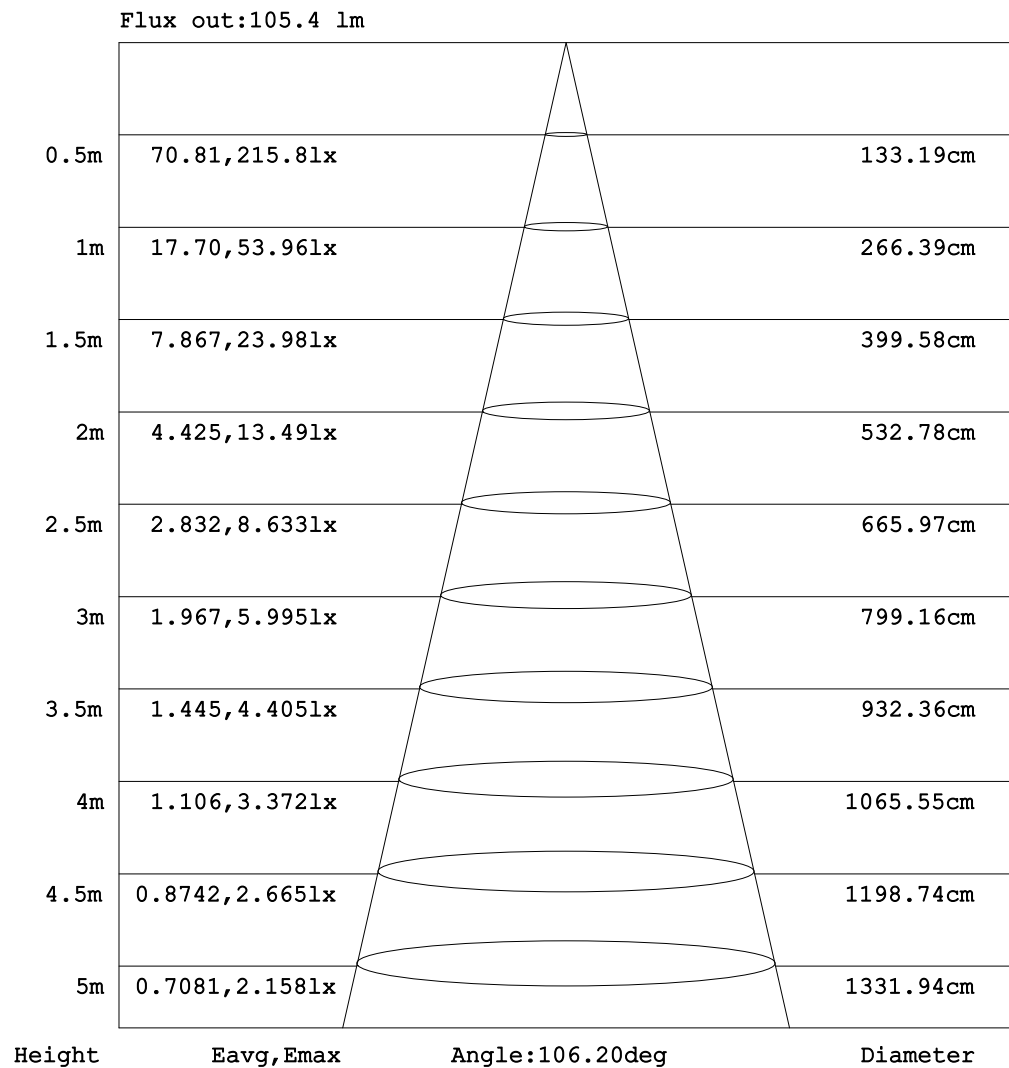
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-23

$\gamma$  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:0.3319A P:7.966W PF:1.000 Freq:50.00Hz Lamp Flux:154.912x1 lm		
NAME: SF15-24V-2835-120-3000+6000-80-6000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122315
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



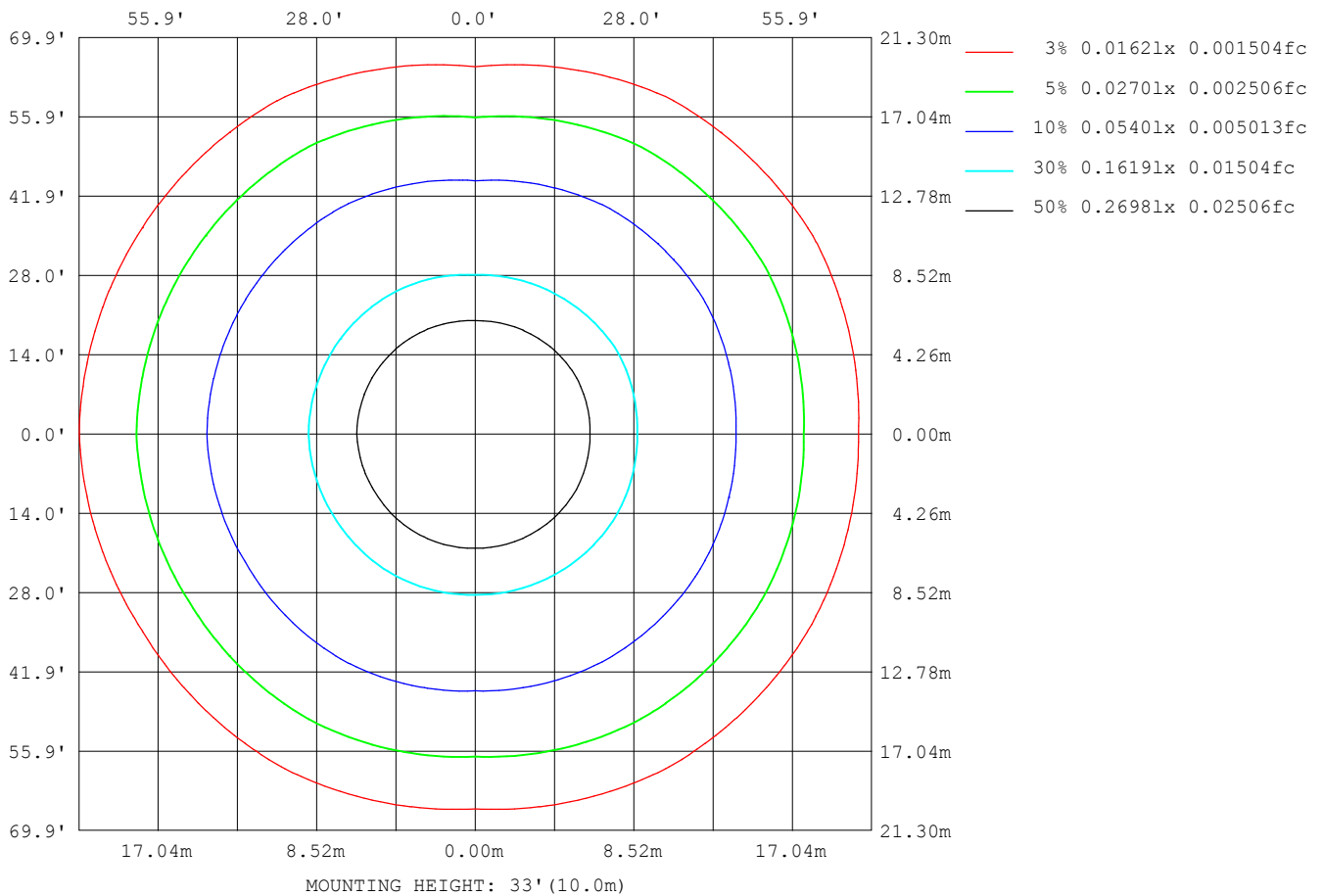
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3319A P:7.966W PF:1.000 Freq:50.00Hz Lamp Flux:154.912x1 lm		
NAME: SF15-24V-2835-120-3000+6000-80-6000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122315
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:0.3319A P:7.966W PF:1.000 Freq:50.00Hz Lamp Flux:154.912x1 lm		
NAME: SF15-24V-2835-120-3000+6000-80-6000	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122315
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

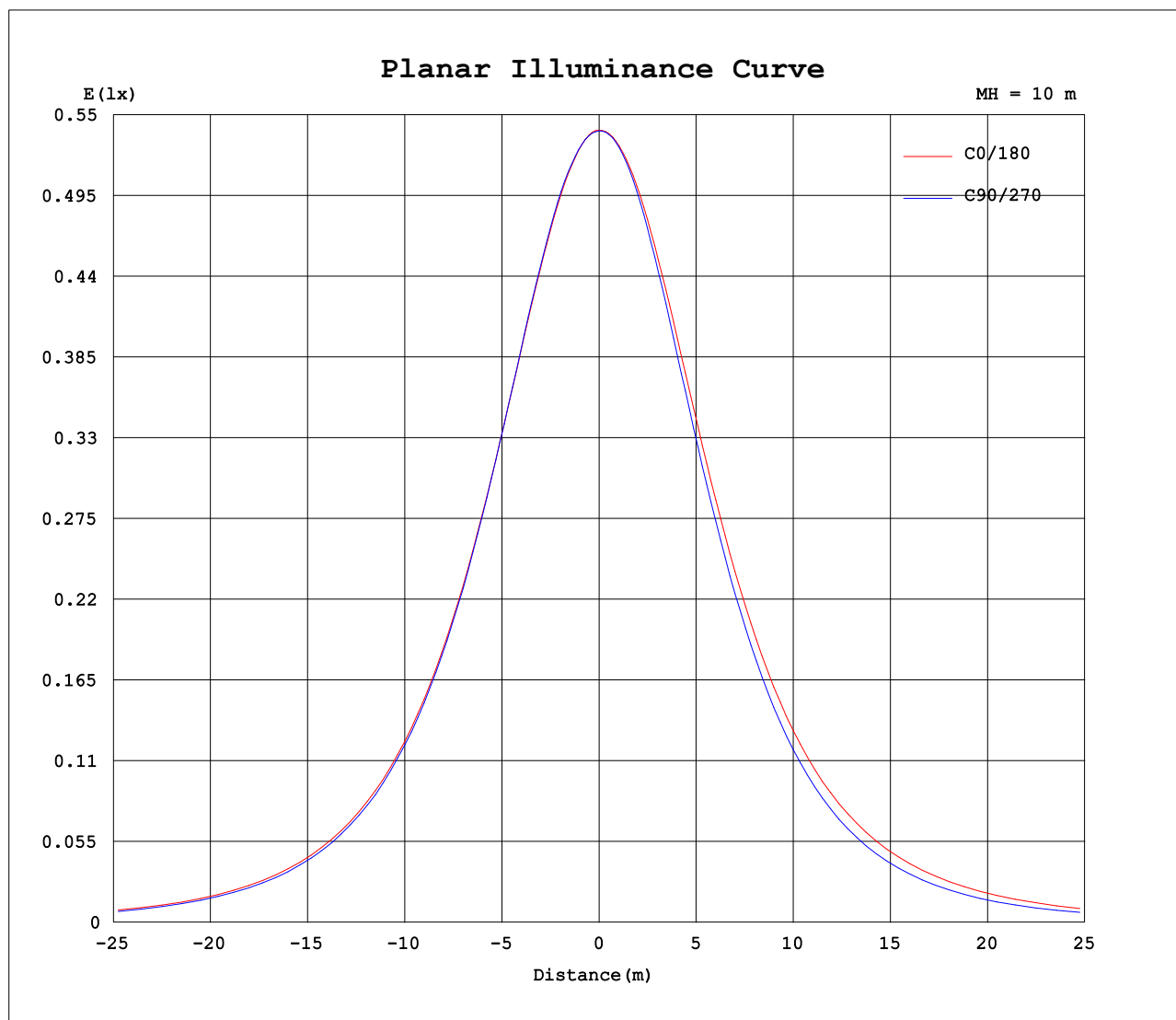
AvgL	cd/m2
L_0~180 (65) av	4063
L_0~180 (75) av	3716
L_0~180 (85) av	3785
L_90~270 (65) av	3390
L_90~270 (75) av	2566
L_90~270 (85) av	925
L_45 (65) av	4034
L_45 (75) av	3670
L_45 (85) av	3350

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:0.3319A P:7.966W PF:1.000 Freq:50.00Hz Lamp Flux:154.912x1 lm		
NAME: SF15-24V-2835-120-3000+6000-80-6000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122315
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	54.0	53.9	53.9	53.9	53.9	53.9	54.0	53.9	53.9	53.9	53.9	53.9						
5	53.6	53.6	53.7	53.6	53.6	53.6	53.8	53.8	53.7	53.7	53.7	53.8						
10	52.7	52.8	52.9	52.9	52.8	52.8	53.2	53.1	52.9	52.9	53.0	53.1						
15	51.3	51.5	51.6	51.5	51.5	51.5	52.2	52.0	51.6	51.4	51.6	51.8						
20	49.5	49.8	49.8	49.7	49.7	49.8	50.6	50.3	49.7	49.3	49.7	50.0						
25	47.3	47.6	47.5	47.3	47.5	47.7	48.6	48.2	47.5	46.9	47.3	47.8						
30	44.7	45.0	44.8	44.6	44.9	45.2	46.2	45.8	44.9	44.1	44.6	45.2						
35	41.7	42.0	41.7	41.4	42.0	42.3	43.5	42.9	42.1	40.8	41.5	42.4						
40	38.4	38.8	38.3	37.9	38.7	39.1	40.4	39.8	38.9	37.2	38.1	39.4						
45	34.9	35.3	34.7	34.2	35.2	35.7	37.0	36.4	35.5	33.3	34.6	36.0						
50	31.1	31.6	31.0	30.1	31.5	31.8	33.3	32.7	31.8	29.1	31.1	32.3						
55	27.1	27.6	27.2	25.9	27.5	27.8	29.3	28.7	27.8	24.8	27.5	28.4						
60	22.9	23.5	23.2	21.6	23.3	23.6	25.2	24.5	23.7	20.3	23.6	24.3						
65	18.6	19.3	19.0	17.2	19.0	19.3	20.9	20.1	19.4	15.8	19.4	20.1						
70	14.3	14.9	14.8	12.7	14.6	14.9	16.5	15.6	14.9	11.2	15.2	15.7						
75	10.0	10.6	10.6	8.33	10.2	10.5	12.1	11.2	10.5	6.95	10.9	11.4						
80	6.10	6.58	6.55	4.42	6.12	6.51	7.91	7.05	6.29	3.16	6.74	7.28						
85	3.16	3.33	3.11	1.30	2.81	3.37	4.43	3.69	2.78	0.56	3.11	3.77						
90	1.48	1.49	1.22	0.55	1.14	1.51	2.00	1.53	0.85	0.27	0.98	1.62						
95	0.76	0.78	0.85	0.53	0.92	0.93	0.80	0.70	0.58	0.27	0.57	0.71						
100	0.68	0.78	0.81	0.57	0.89	0.89	0.62	0.63	0.56	0.29	0.55	0.53						
105	0.68	0.80	0.77	0.68	0.83	0.91	0.62	0.50	0.50	0.39	0.52	0.53						
110	0.69	0.83	0.78	0.68	0.80	0.92	0.62	0.36	0.58	0.42	0.58	0.55						
115	0.70	0.59	0.87	0.70	0.87	0.92	0.40	0.21	0.39	0.44	0.62	0.60						
120	0.77	0.17	0.88	0.24	0.91	0.92	0.11	0.06	0.11	0.47	0.63	0.62						
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	53.96	53.92	53.91	53.90	53.91	53.90	53.96	53.92	53.91	53.90
3.0	53.82	53.79	53.85	53.79	53.81	53.77	53.93	53.92	53.82	53.88
6.0	53.45	53.49	53.56	53.50	53.49	53.48	53.73	53.70	53.56	53.62
9.0	52.92	52.98	53.09	53.05	53.00	53.00	53.38	53.28	53.13	53.14
12.0	52.20	52.34	52.45	52.38	52.33	52.34	52.85	52.70	52.46	52.38
15.0	51.33	51.50	51.59	51.53	51.47	51.54	52.16	51.97	51.56	51.39
18.0	50.29	50.53	50.56	50.45	50.45	50.59	51.27	51.04	50.48	50.29
21.0	49.11	49.33	49.34	49.22	49.26	49.46	50.25	49.93	49.29	48.86
24.0	47.76	48.05	47.96	47.84	47.92	48.20	49.06	48.71	47.95	47.46
27.0	46.29	46.55	46.44	46.25	46.48	46.77	47.72	47.32	46.50	45.74
30.0	44.67	44.98	44.77	44.57	44.89	45.21	46.24	45.75	44.95	44.05
33.0	42.93	43.24	42.94	42.70	43.16	43.53	44.63	44.17	43.27	42.14
36.0	41.08	41.38	41.02	40.71	41.34	41.71	42.88	42.35	41.48	40.11
39.0	39.11	39.42	38.97	38.61	39.40	39.78	41.03	40.44	39.58	37.92
42.0	37.04	37.44	36.86	36.46	37.36	37.74	39.05	38.48	37.57	35.66
45.0	34.88	35.31	34.72	34.18	35.23	35.68	36.98	36.35	35.47	33.29
48.0	32.61	33.03	32.51	31.77	32.99	33.40	34.79	34.15	33.28	30.81
51.0	30.29	30.82	30.26	29.32	30.68	31.09	32.50	31.88	30.99	28.25
54.0	27.90	28.37	27.94	26.73	28.29	28.63	30.14	29.51	28.63	25.66
57.0	25.44	26.03	25.57	24.22	25.84	26.21	27.71	26.96	26.20	22.99
60.0	22.93	23.48	23.16	21.63	23.31	23.64	25.20	24.49	23.69	20.26
63.0	20.37	20.91	20.71	18.89	20.75	20.99	22.62	21.91	21.10	17.57
66.0	17.73	18.39	18.17	16.30	18.12	18.43	20.02	19.22	18.49	14.83
69.0	15.14	15.76	15.64	13.55	15.46	15.75	17.36	16.56	15.82	12.10
72.0	12.57	13.17	13.11	10.87	12.82	13.08	14.71	13.98	13.14	9.498
75.0	10.05	10.65	10.57	8.326	10.22	10.52	12.07	11.21	10.50	6.949
78.0	7.597	8.150	8.090	5.969	7.673	8.014	9.536	8.698	7.932	4.561
81.0	5.399	5.833	5.802	3.682	5.355	5.768	7.144	6.344	5.515	2.513
84.0	3.630	3.874	3.726	1.814	3.359	3.914	5.049	4.264	3.390	0.9693
87.0	2.326	2.429	2.091	0.6224	1.914	2.459	3.327	2.709	1.786	0.3074
90.0	1.480	1.491	1.223	0.5475	1.143	1.511	1.997	1.531	0.8528	0.2650
93.0	0.9613	0.9689	0.8852	0.5077	0.9349	1.019	1.149	0.8911	0.5890	0.2699
96.0	0.7142	0.7689	0.8388	0.5378	0.9227	0.9196	0.6878	0.6687	0.5781	0.2747
99.0	0.6773	0.7790	0.8150	0.5630	0.9060	0.8896	0.6182	0.6484	0.5672	0.2814
102.0	0.6750	0.7842	0.7912	0.6134	0.8680	0.9048	0.6193	0.5936	0.5563	0.3664
105.0	0.6762	0.8042	0.7674	0.6785	0.8299	0.9133	0.6203	0.5046	0.5025	0.3869
108.0	0.6846	0.8193	0.7488	0.6819	0.7639	0.9218	0.6214	0.4155	0.5279	0.4094
111.0	0.6930	0.8343	0.8337	0.6794	0.8340	0.9226	0.6225	0.3265	0.6082	0.4207
114.0	0.7036	0.6715	0.8694	0.6887	0.8695	0.9233	0.4527	0.2374	0.4423	0.4320
117.0	0.7235	0.4197	0.8794	0.5906	0.8794	0.9240	0.2829	0.1484	0.2765	0.4472
120.0	0.7740	0.1679	0.8845	0.2362	0.9097	0.9247	0.1132	0.0594	0.1106	0.4674
G/C	300.0	330.0								
0.0	53.91	53.90								
3.0	53.85	53.89								
6.0	53.62	53.66								
9.0	53.20	53.24								
12.0	52.52	52.64								
15.0	51.60	51.81								
18.0	50.49	50.86								
21.0	49.23	49.55								
24.0	47.81	48.26								
27.0	46.26	46.69								
30.0	44.56	45.18								
33.0	42.72	43.53								
36.0	40.78	41.84								
39.0	38.78	40.05								
42.0	36.69	38.05								
45.0	34.56	35.98								
48.0	32.52	33.78								
51.0	30.42	31.51								
54.0	28.28	29.20								
57.0	25.99	26.77								
60.0	23.57	24.27								
63.0	21.08	21.79								
66.0	18.57	19.22								
69.0	16.01	16.64								
72.0	13.43	14.05								
75.0	10.88	11.44								
78.0	8.365	8.883								
81.0	5.967	6.520								
84.0	3.767	4.369								
87.0	2.001	2.724								
90.0	0.9831	1.616								

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

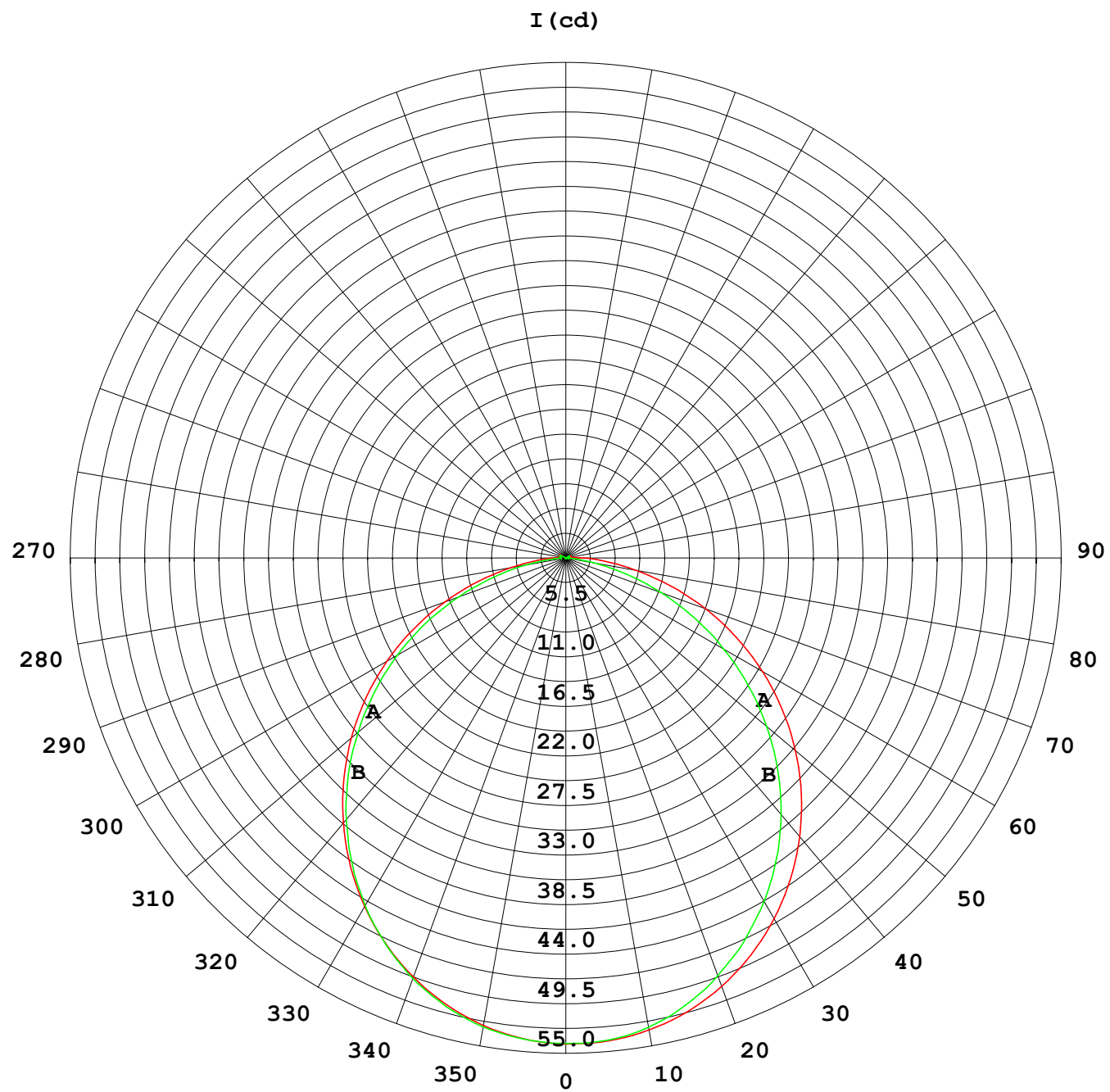
γ Range: 0 - 120DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

93.0	0.5776	0.9614
96.0	0.5671	0.6291
99.0	0.5566	0.5479
102.0	0.5462	0.5197
105.0	0.5174	0.5257
108.0	0.5281	0.5427
111.0	0.5898	0.5578
114.0	0.6090	0.6009
117.0	0.6282	0.6101
120.0	0.6282	0.6232

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

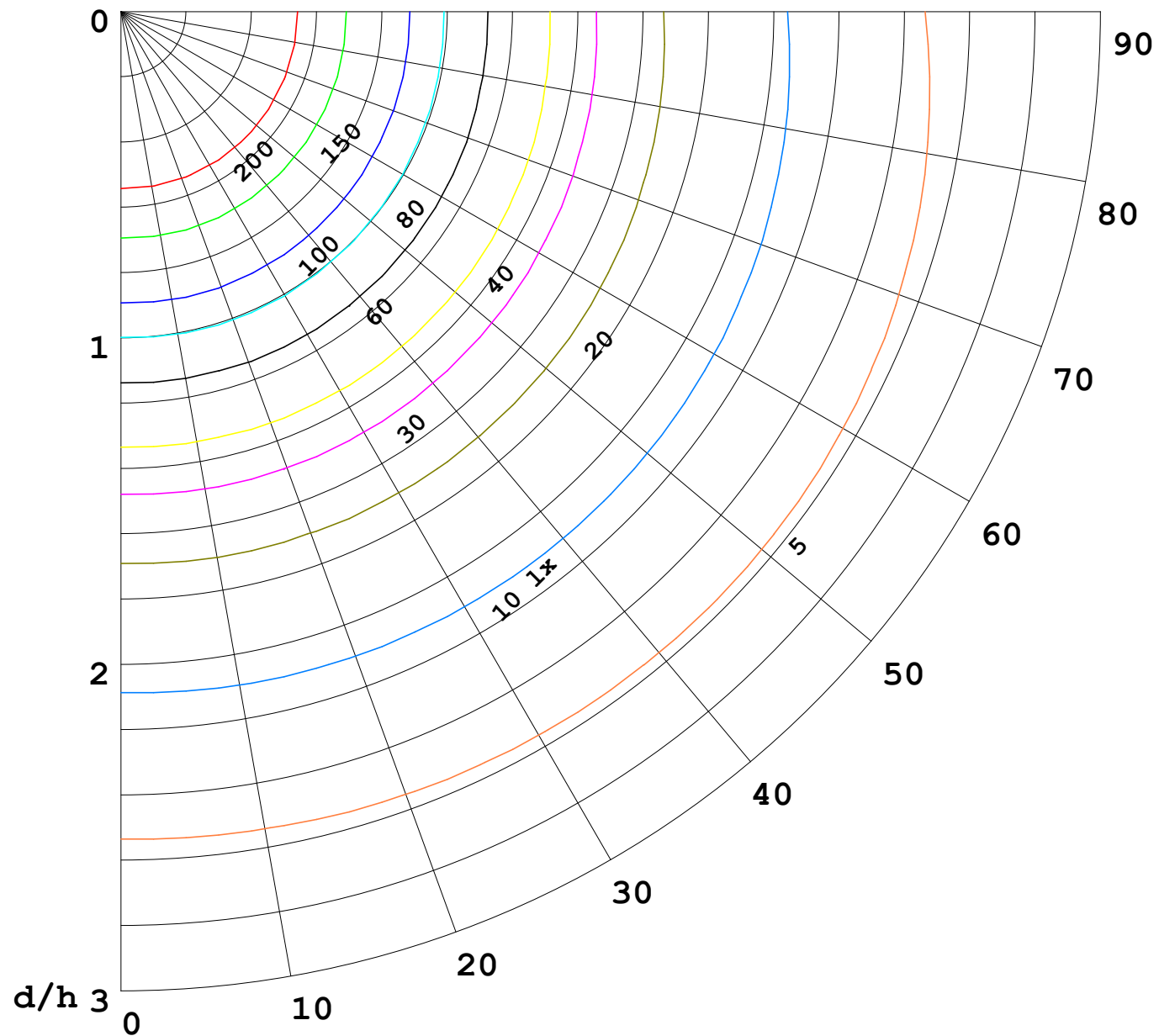
γ Range: 0 - 120DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 9.200m [K=1.0000]  
Remarks:





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

