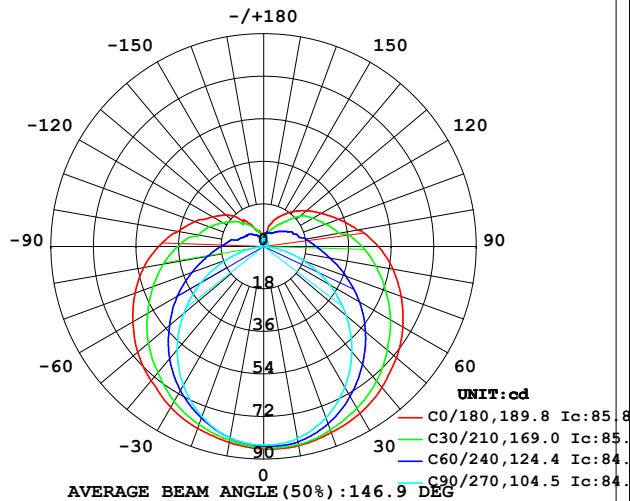


## LUMINAIRE PHOTOMETRIC TEST REPORT

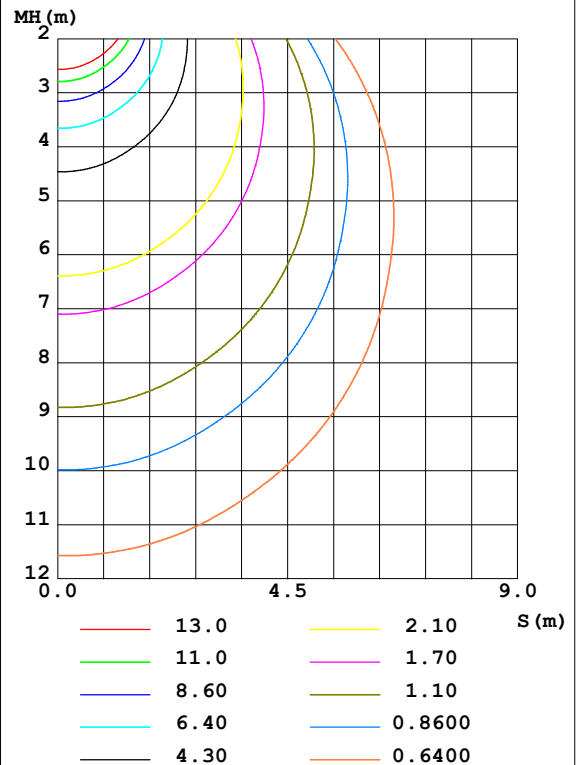
Test:U:24.00V I:0.6571A P:15.77W PF:1.000 Freq:50.00Hz Lamp Flux:426.51x1 lm		
NAME: SF21-24V-2835-120-2700+5700-90	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120903
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 27.04 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	85.85	S/MH (C0/180)	1.38
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	426.51	η UP, DN (C0-180)	11.5, 38.5
NOMINAL FLUX (lm)	426.51	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.5, 38.5
LAMPS INSIDE	1	η up (%)	23.0	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24	η down (%)	77.0	CIBSE SHR MAX	1.55

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: 2021-12-09

γ Range: 0 - 180DEG  
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	85.57	84.53	82.50	81.64	84.21	82.83	82.18	83.73	0- 10	8.011	8.011	1.88,1.88
20	83.77	81.23	77.16	77.49	81.92	78.72	76.56	80.77	10- 20	23.09	31.10	7.29,7.29
30	81.53	76.14	68.77	71.53	78.65	73.09	67.90	75.76	20- 30	35.58	66.68	15.6,15.6
40	77.90	69.70	58.04	64.38	74.12	65.81	56.96	69.90	30- 40	44.37	111.1	26,26
50	73.36	62.24	45.64	56.28	69.60	57.88	44.30	63.01	40- 50	48.97	160.0	37.5,37.5
60	68.04	54.38	32.12	47.88	63.92	49.45	30.70	55.28	50- 60	49.33	209.4	49.1,49.1
70	61.92	46.05	18.36	39.58	57.93	41.07	17.03	47.27	60- 70	45.91	255.3	59.8,59.8
80	55.52	38.35	6.123	32.24	51.54	33.62	5.034	39.69	70- 80	39.95	295.2	69.2,69.2
90	48.54	31.93	1.262	25.96	44.42	27.23	0.8942	33.29	80- 90	33.29	328.5	77,77
100	40.44	25.12	1.433	20.34	36.83	21.27	1.100	26.40	90-100	27.51	356.0	83.5,83.5
110	33.77	21.52	1.531	16.62	31.01	17.48	1.173	22.65	100-110	21.46	377.5	88.5,88.5
120	28.15	18.26	1.623	13.41	25.03	14.55	1.251	18.74	110-120	16.86	394.3	92.5,92.5
130	23.62	15.04	1.890	11.12	20.68	12.26	1.422	15.73	120-130	12.81	407.1	95.5,95.5
140	19.28	10.86	2.181	8.845	14.35	9.834	1.573	10.94	130-140	8.878	416.0	97.5,97.5
150	15.12	8.123	2.629	6.641	10.55	7.579	2.080	8.605	140-150	5.542	421.6	98.8,98.8
160	11.05	6.409	2.850	4.405	6.640	5.325	2.633	7.060	150-160	3.137	424.7	99.6,99.6
170	4.837	5.617	2.940	2.233	3.733	3.261	3.096	6.493	160-170	1.447	426.1	99.9,99.9
180	2.181	2.370	2.885	3.108	2.181	2.141	3.352	3.093	170-180	0.3655	426.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 135.23 lm

%lum = 31.7%

%lamp = 31.7%

Conical surface Flux(120deg): 209.35 lm

%lum = 49.1%

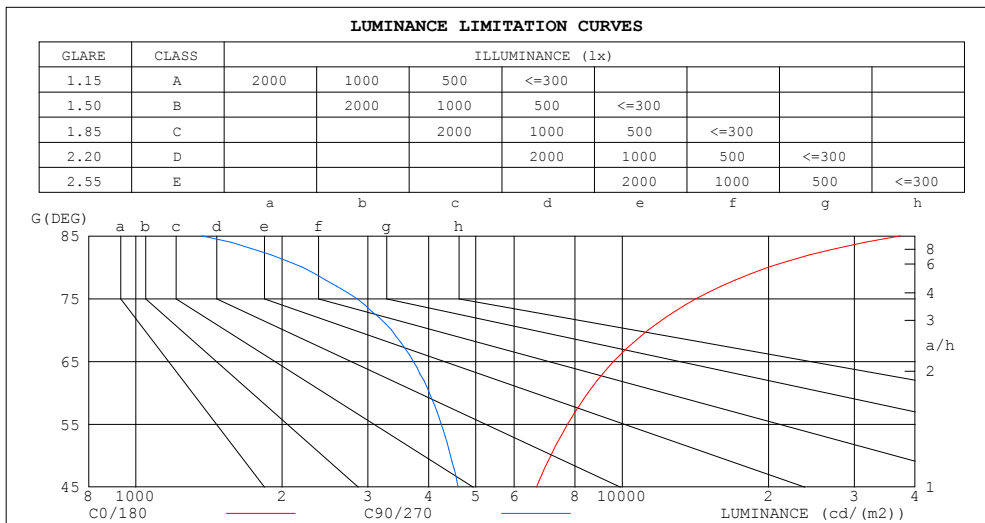
%lamp = 49.1%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.6571A P:15.77W PF:1.000 Freq:50.00Hz Lamp Flux:426.51x1 lm		
NAME: SF21-24V-2835-120-2700+5700-90	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120903
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



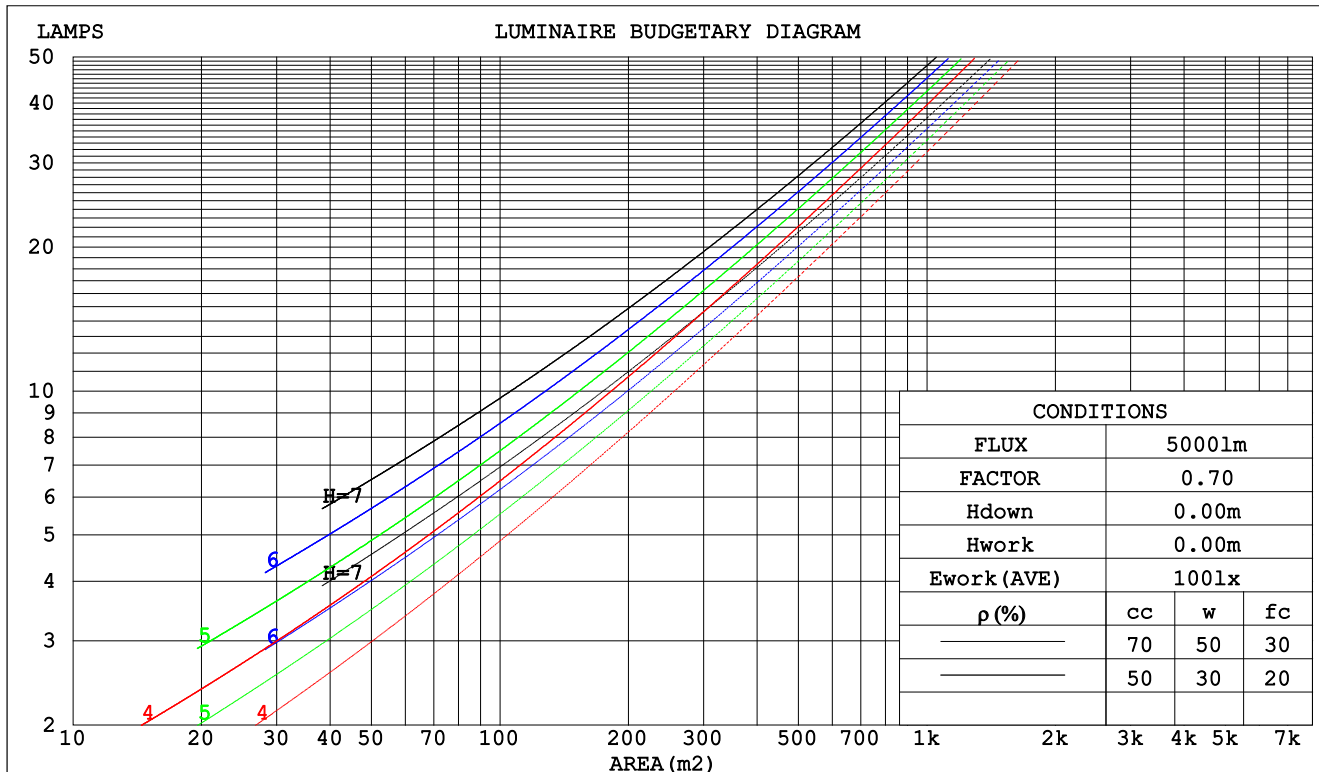
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.6571A P:15.77W PF:1.000 Freq:50.00Hz Lamp Flux:426.51x1 lm		
NAME: SF21-24V-2835-120-2700+5700-90	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120903
MFR.: OLYMPIA	SUR.:1*0.016	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	1.14	1.14	1.14	1.08	1.08	1.08	.98	.98	.98	.89	.89	.89	.81	.81	.81	.77
1.0	.94	.89	.84	.90	.85	.80	.81	.77	.74	.73	.70	.67	.66	.64	.61	.58
2.0	.81	.73	.66	.77	.69	.63	.69	.63	.58	.62	.58	.54	.56	.52	.49	.46
3.0	.70	.61	.54	.66	.58	.52	.60	.53	.48	.54	.49	.44	.49	.44	.40	.37
4.0	.61	.52	.45	.58	.50	.43	.53	.46	.40	.48	.42	.37	.43	.38	.34	.31
5.0	.54	.45	.38	.52	.43	.37	.47	.40	.34	.43	.36	.32	.38	.33	.29	.26
6.0	.49	.39	.33	.46	.38	.32	.42	.35	.29	.38	.32	.27	.35	.29	.25	.23
7.0	.44	.35	.28	.42	.33	.28	.38	.31	.26	.35	.29	.24	.32	.26	.22	.20
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.32	.26	.21	.29	.24	.20	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.20	.29	.23	.19	.27	.22	.18	.16
10.0	.33	.25	.20	.32	.25	.19	.29	.23	.18	.27	.21	.17	.25	.20	.16	.14



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-09

γ Range: 0 - 180DEG  
 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:0.6571A P:15.77W PF:1.000 Freq:50.00Hz Lamp Flux:426.51x1 lm		
NAME: SF21-24V-2835-120-2700+5700-90	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120903
MFR.: OLYMPIA	SUR.:1*0.016	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	.388	.221	.070	.374	.213	.068	.347	.199	.064	.323	.186	.060	.300	.174	.056		
2.0	.334	.183	.056	.321	.177	.054	.297	.165	.051	.275	.154	.048	.254	.144	.045		
3.0	.296	.157	.047	.284	.152	.046	.262	.142	.043	.242	.133	.041	.223	.123	.038		
4.0	.266	.138	.041	.255	.134	.039	.235	.125	.037	.217	.116	.035	.200	.108	.033		
5.0	.241	.123	.036	.232	.119	.035	.214	.111	.033	.197	.104	.031	.181	.097	.029		
6.0	.221	.111	.032	.212	.107	.031	.196	.100	.029	.180	.094	.028	.166	.087	.026		
7.0	.204	.101	.029	.196	.097	.028	.180	.091	.026	.166	.085	.025	.153	.079	.023		
8.0	.189	.092	.026	.181	.089	.025	.167	.084	.024	.154	.078	.023	.142	.073	.021		
9.0	.176	.085	.024	.169	.082	.023	.156	.077	.022	.144	.072	.021	.132	.067	.019		
10.0	.165	.079	.022	.158	.076	.021	.146	.072	.020	.135	.067	.019	.124	.062	.018		

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	.366	.366	.366	.312	.312	.312	.213	.213	.213	.123	.123	.123	.039	.039	.039	
1.0	.362	.332	.305	.310	.285	.262	.212	.196	.181	.122	.113	.105	.039	.037	.034	
2.0	.356	.309	.271	.305	.266	.234	.209	.184	.163	.120	.107	.096	.039	.035	.031	
3.0	.348	.293	.249	.298	.253	.216	.205	.176	.152	.118	.103	.089	.038	.033	.029	
4.0	.340	.281	.235	.292	.243	.204	.201	.169	.144	.116	.099	.085	.037	.032	.028	
5.0	.333	.271	.226	.286	.235	.196	.197	.164	.139	.114	.096	.082	.037	.031	.027	
6.0	.325	.263	.219	.280	.228	.190	.193	.160	.135	.112	.094	.080	.036	.031	.026	
7.0	.318	.257	.214	.274	.223	.186	.189	.156	.132	.110	.092	.079	.036	.030	.026	
8.0	.312	.251	.210	.268	.218	.183	.186	.153	.130	.108	.090	.077	.035	.030	.026	
9.0	.305	.247	.207	.263	.214	.180	.182	.150	.128	.106	.089	.076	.034	.029	.025	
10.0	.300	.242	.204	.258	.210	.178	.179	.148	.127	.105	.088	.076	.034	.029	.025	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-09

γ Range: 0 - 180DEG  
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:0.6571A P:15.77W PF:1.000 Freq:50.00Hz Lamp Flux:426.51x1 lm										
NAME: SF21-24V-2835-120-2700+5700-90					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 28mm*11.5mm			SERIAL No.:2021120903		
MFR.: OLYMPIA					SUR.:1*0.016			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	22.1	23.4	22.7	24.0	24.7	19.4	20.7	20.0	21.3	22.0
3H	25.0	26.2	25.6	26.8	27.5	20.9	22.1	21.5	22.7	23.4
4H	26.5	27.7	27.2	28.3	29.0	21.4	22.6	22.0	23.2	23.9
6H	28.3	29.4	29.0	30.0	30.8	21.8	22.9	22.4	23.5	24.2
8H	29.3	30.3	29.9	31.0	31.8	21.9	22.9	22.5	23.6	24.3
12H	30.4	31.4	31.1	32.1	32.9	21.9	22.9	22.5	23.6	24.3
4H 2H	22.7	23.8	23.3	24.5	25.2	20.8	21.9	21.4	22.5	23.3
3H	25.8	26.8	26.4	27.4	28.2	22.6	23.6	23.2	24.2	25.0
4H	27.6	28.5	28.2	29.2	30.0	23.4	24.3	24.0	25.0	25.8
6H	29.5	30.4	30.2	31.1	31.9	24.0	24.8	24.7	25.5	26.4
8H	30.6	31.4	31.4	32.1	33.0	24.2	25.0	24.9	25.7	26.6
12H	31.9	32.6	32.6	33.4	34.2	24.3	25.1	25.1	25.8	26.7
8H 4H	27.9	28.7	28.6	29.4	30.2	24.7	25.5	25.4	26.2	27.0
6H	30.2	30.9	30.9	31.6	32.5	25.8	26.4	26.5	27.2	28.1
8H	31.5	32.1	32.3	32.9	33.8	26.3	26.9	27.0	27.6	28.5
12H	33.1	33.6	33.8	34.4	35.3	26.7	27.2	27.4	28.0	28.9
12H 4H	27.9	28.6	28.6	29.4	30.2	25.1	25.8	25.9	26.6	27.5
6H	30.3	30.9	31.1	31.7	32.6	26.5	27.1	27.3	27.8	28.8
8H	31.8	32.3	32.5	33.1	34.0	27.2	27.7	28.0	28.5	29.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117, 426.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.0)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-09

γ Range: 0 - 180DEG  
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:0.6571A P:15.77W PF:1.000 Freq:50.00Hz Lamp Flux:426.51x1 lm		
NAME: SF21-24V-2835-120-2700+5700-90	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120903
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

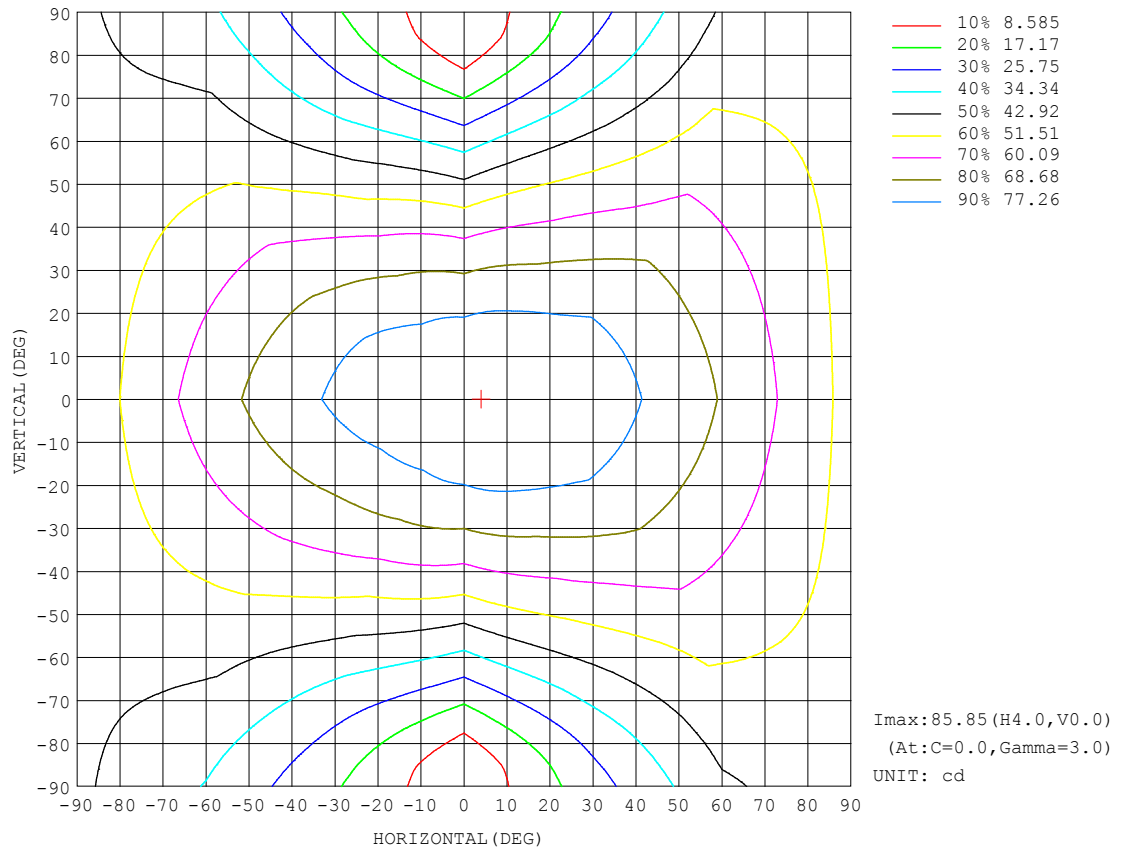
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	26	45	33	26	43	32	26	19
0.80	55	42	34	53	41	33	50	39	32	24
1.00	63	50	41	61	48	40	57	49	39	30
1.25	70	57	48	67	55	47	62	52	45	35
1.50	75	62	54	72	60	52	66	57	50	39
2.00	82	71	62	79	68	61	72	64	57	45
2.50	87	76	68	83	73	66	76	68	62	48
3.00	90	81	73	86	78	71	79	72	66	52
4.00	95	87	80	91	84	77	83	77	72	56
5.00	98	91	85	94	87	82	85	80	76	59
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:2021-12-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.6571A P:15.77W PF:1.000 Freq:50.00Hz Lamp Flux:426.51x1 lm		
NAME: SF21-24V-2835-120-2700+5700-90	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120903
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



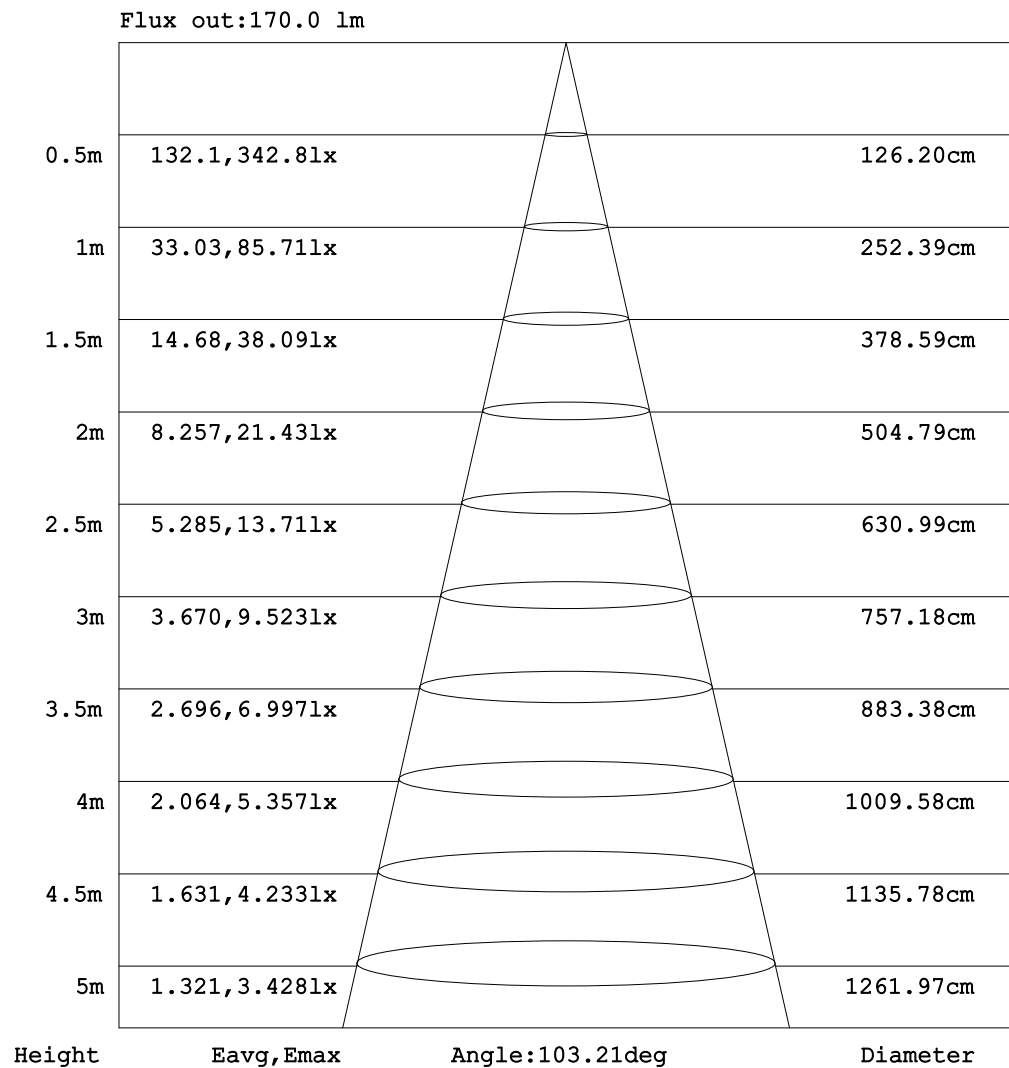
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-09

γ Range: 0 - 180DEG  
 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:0.6571A P:15.77W PF:1.000 Freq:50.00Hz Lamp Flux:426.51x1 lm		
NAME: SF21-24V-2835-120-2700+5700-90	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120903
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



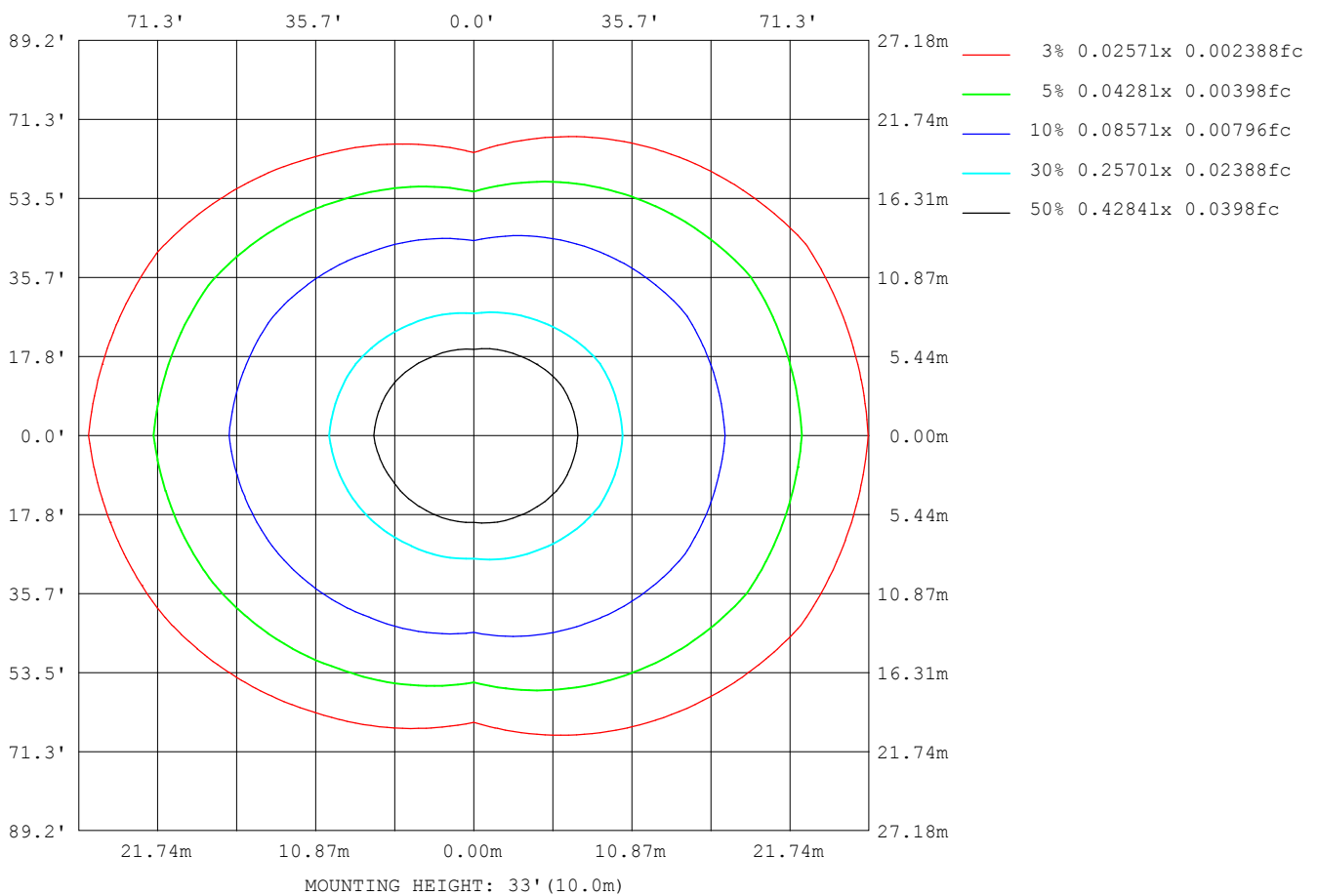
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-12-09

γ Range: 0 - 180DEG  
 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:0.6571A P:15.77W PF:1.000 Freq:50.00Hz Lamp Flux:426.51x1 lm		
NAME: SF21-24V-2835-120-2700+5700-90	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120903
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.6571A P:15.77W PF:1.000 Freq:50.00Hz Lamp Flux:426.51x1 lm		
NAME: SF21-24V-2835-120-2700+5700-90	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120903
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

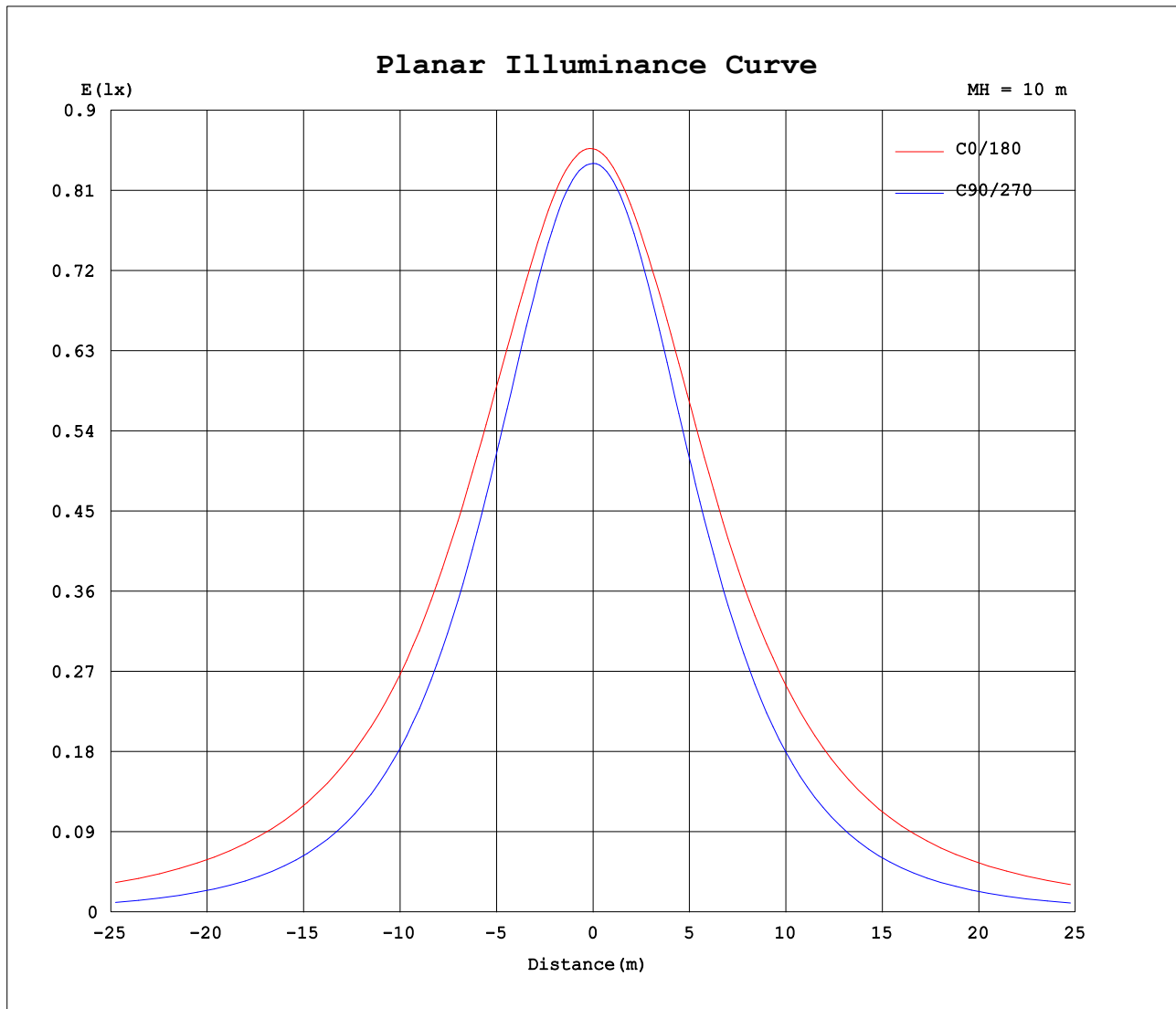
AvgL	cd/m2
L_0~180 (65) av	9312
L_0~180 (75) av	13713
L_0~180 (85) av	35914
L_90~270 (65) av	3622
L_90~270 (75) av	2705
L_90~270 (85) av	1115
L_45 (65) av	7110
L_45 (75) av	9738
L_45 (85) av	24008

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-09

γ Range: 0 - 180DEG  
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: 2021-12-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.6571A P:15.77W PF:1.000 Freq:50.00Hz Lamp Flux:426.51x1 lm		
NAME: SF21-24V-2835-120-2700+5700-90	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120903
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	85.7	85.2	84.5	84.0	83.9	83.7	85.7	85.2	84.5	84.0	83.9	83.7						
5	85.8	85.4	84.6	83.7	83.2	82.8	85.1	84.5	83.7	83.6	83.9	84.2						
10	85.6	85.1	84.0	82.5	81.7	81.5	84.2	83.4	82.3	82.2	83.2	84.2						
15	84.8	84.2	82.2	80.2	79.4	80.2	83.1	81.9	80.0	79.8	81.6	83.6						
20	83.8	82.6	79.8	77.2	76.6	78.3	81.9	80.2	77.2	76.6	79.2	82.3						
25	82.8	80.8	76.8	73.3	73.5	76.0	80.5	78.2	74.0	72.6	76.2	80.7						
30	81.5	79.0	73.2	68.8	69.8	73.2	78.6	75.7	70.5	67.9	72.6	78.9						
35	79.9	76.8	69.3	63.6	65.8	70.1	76.3	72.8	66.4	62.7	68.8	77.1						
40	77.9	74.3	65.1	58.0	61.3	67.5	74.1	69.6	62.0	57.0	64.8	75.0						
45	75.5	71.4	60.8	52.0	56.4	64.4	72.0	66.8	57.1	50.8	60.7	72.5						
50	73.4	68.2	56.3	45.6	51.4	61.1	69.6	63.7	52.0	44.3	56.4	69.6						
55	70.9	65.2	51.6	39.0	46.6	57.6	66.9	60.3	47.2	37.6	51.8	66.5						
60	68.0	62.0	46.8	32.1	41.7	54.1	63.9	56.7	42.2	30.7	47.0	63.5						
65	65.0	58.6	41.8	25.2	36.7	50.7	61.0	53.2	37.2	23.8	42.2	60.4						
70	61.9	55.0	37.1	18.4	31.8	47.3	57.9	49.8	32.3	17.0	37.4	57.1						
75	58.8	51.6	32.7	11.8	27.6	44.0	54.8	46.5	27.9	10.6	33.1	53.7						
80	55.5	48.2	28.5	6.12	23.9	40.6	51.5	43.1	24.1	5.03	28.9	50.4						
85	52.1	44.9	25.0	1.91	20.7	37.2	48.1	39.8	20.8	1.20	25.4	47.2						
90	48.5	41.6	22.3	1.26	18.0	33.9	44.4	36.4	18.1	0.89	22.6	44.0						
95	44.8	38.3	20.0	1.32	16.0	31.0	40.9	33.2	16.0	0.90	20.3	40.9						
100	40.4	32.1	18.2	1.43	14.6	26.1	36.8	28.0	14.5	1.10	18.4	34.4						
105	37.0	30.3	15.4	1.51	11.0	24.6	33.8	26.4	11.2	1.22	15.0	32.7						
110	33.8	28.0	15.0	1.53	10.4	22.8	31.0	24.5	10.4	1.17	14.9	30.4						
115	30.8	25.8	13.7	1.57	9.46	19.8	27.4	22.2	9.38	1.18	13.1	27.7						
120	28.1	24.0	12.5	1.62	8.78	18.1	25.0	20.1	9.02	1.25	12.1	25.4						
125	25.8	22.3	11.2	1.74	8.27	16.5	22.8	18.1	8.58	1.34	11.1	23.3						
130	23.6	20.0	10.1	1.89	7.34	14.9	20.7	16.4	8.09	1.42	10.5	21.0						
135	21.4	16.7	9.05	2.04	6.85	13.0	18.3	14.7	7.35	1.50	9.33	17.3						
140	19.3	13.6	8.07	2.18	6.22	11.5	14.4	13.1	6.59	1.57	8.20	13.7						
145	17.2	11.6	7.19	2.34	5.55	9.78	13.2	11.4	5.92	1.65	7.48	12.2						
150	15.1	9.74	6.50	2.63	4.96	8.32	10.5	9.75	5.41	2.08	6.64	10.6						
155	13.2	8.15	6.38	2.75	4.01	6.99	7.88	8.28	4.56	2.37	6.90	8.95						
160	11.1	6.66	6.16	2.85	3.07	5.74	6.64	6.97	3.68	2.63	6.83	7.29						
165	9.14	5.50	6.17	2.93	2.15	4.24	6.65	5.76	2.78	2.89	6.68	6.29						
170	4.84	5.30	5.94	2.94	2.14	2.33	3.73	4.18	2.34	3.10	6.52	6.46						
175	3.89	4.62	5.60	2.95	2.11	2.14	2.93	2.73	2.17	3.21	6.15	5.99						
180	2.18	2.15	2.59	2.88	3.26	2.96	2.18	2.15	2.13	3.35	3.24	2.95						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-09

γ Range: 0 - 180DEG  
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	85.68	85.23	84.48	84.03	83.90	83.74	85.68	85.23	84.48	84.03
3.0	85.85	85.41	84.62	83.94	83.54	83.23	85.41	84.85	84.11	83.90
6.0	85.80	85.40	84.56	83.57	82.92	82.58	84.98	84.33	83.49	83.40
9.0	85.67	85.20	84.18	82.91	82.08	81.82	84.42	83.61	82.64	82.56
12.0	85.31	84.83	83.33	81.63	80.86	81.01	83.76	82.78	81.46	81.37
15.0	84.81	84.23	82.23	80.24	79.41	80.16	83.06	81.89	80.04	79.83
18.0	84.18	83.36	80.89	78.44	77.83	79.13	82.37	80.89	78.40	77.98
21.0	83.58	82.31	79.27	76.43	76.04	77.90	81.67	79.81	76.61	75.82
24.0	82.99	81.21	77.45	74.11	74.13	76.48	80.84	78.66	74.69	73.40
27.0	82.32	80.13	75.44	71.52	72.08	74.92	79.81	77.23	72.63	70.80
30.0	81.53	79.04	73.25	68.77	69.85	73.22	78.65	75.73	70.45	67.90
33.0	80.61	77.79	70.88	65.73	67.43	71.31	77.30	74.05	68.09	64.86
36.0	79.54	76.36	68.44	62.53	64.89	69.61	75.80	72.20	65.58	61.59
39.0	78.34	74.87	65.93	59.20	62.19	68.09	74.49	70.21	62.91	58.13
42.0	76.96	73.27	63.35	55.68	59.35	66.33	73.37	68.50	60.11	54.50
45.0	75.49	71.45	60.76	52.01	56.42	64.45	72.05	66.84	57.13	50.81
48.0	74.19	69.57	58.11	48.29	53.42	62.51	70.62	64.99	54.07	46.93
51.0	72.90	67.59	55.37	44.34	50.49	60.46	69.07	63.06	51.04	42.96
54.0	71.40	65.77	52.56	40.32	47.62	58.29	67.44	61.04	48.14	38.99
57.0	69.78	64.00	49.68	36.27	44.65	56.18	65.67	58.93	45.21	34.88
60.0	68.04	62.00	46.76	32.12	41.66	54.10	63.92	56.70	42.20	30.70
63.0	66.21	59.94	43.81	27.92	38.67	52.01	62.16	54.63	39.20	26.59
66.0	64.38	57.84	40.84	23.80	35.68	50.00	60.36	52.56	36.24	22.43
69.0	62.52	55.72	37.98	19.65	32.74	47.96	58.52	50.48	33.29	18.32
72.0	60.68	53.60	35.34	15.65	30.06	45.95	56.67	48.47	30.48	14.43
75.0	58.78	51.59	32.68	11.80	27.56	43.99	54.80	46.45	27.90	10.61
78.0	56.84	49.57	30.12	8.178	25.27	41.97	52.87	44.44	25.55	7.111
81.0	54.86	47.59	27.74	5.133	23.20	39.89	50.88	42.49	23.41	4.073
84.0	52.80	45.59	25.67	2.627	21.28	37.83	48.81	40.47	21.47	1.596
87.0	50.68	43.62	23.84	1.371	19.54	35.82	46.60	38.35	19.66	0.9508
90.0	48.54	41.59	22.27	1.262	18.01	33.90	44.42	36.38	18.09	0.8942
93.0	46.31	39.59	20.87	1.287	16.73	32.15	42.33	34.47	16.77	0.9003
96.0	44.12	37.62	19.60	1.327	15.70	30.43	40.26	32.66	15.68	0.9196
99.0	41.95	35.78	18.50	1.387	14.85	26.45	37.79	28.29	14.80	0.9995
102.0	39.06	31.54	17.48	1.502	13.95	25.56	35.60	27.44	14.02	1.196
105.0	37.04	30.28	15.45	1.513	10.98	24.61	33.81	26.38	11.15	1.221
108.0	35.06	28.93	15.24	1.523	10.52	23.57	32.11	25.31	10.90	1.176
111.0	33.15	27.51	14.70	1.534	10.24	21.86	30.48	23.87	10.18	1.175
114.0	31.36	26.27	13.67	1.558	9.606	20.23	28.11	22.70	9.527	1.182
117.0	29.69	25.06	13.56	1.593	9.224	18.95	26.43	21.32	9.186	1.206
120.0	28.15	23.98	12.54	1.623	8.777	18.05	25.03	20.08	9.025	1.251
123.0	26.73	22.99	11.75	1.689	8.117	17.12	23.69	18.89	8.719	1.317
126.0	25.38	21.96	10.97	1.769	8.133	16.21	22.39	17.78	8.487	1.367
129.0	24.06	20.81	10.29	1.865	7.652	15.22	21.10	16.72	8.221	1.407
132.0	22.73	18.63	9.612	1.955	7.182	14.26	19.76	15.83	7.793	1.462
135.0	21.43	16.68	9.048	2.041	6.846	12.99	18.31	14.75	7.346	1.503
138.0	20.13	14.37	8.486	2.111	6.490	11.89	16.04	13.63	6.898	1.563
141.0	18.86	13.23	7.868	2.212	6.063	11.13	13.15	12.75	6.456	1.588
144.0	17.58	11.90	7.360	2.302	5.666	10.18	13.68	11.71	6.055	1.643
147.0	16.35	10.83	6.892	2.423	5.304	9.164	12.01	10.71	5.678	1.743
150.0	15.12	9.742	6.505	2.629	4.962	8.320	10.55	9.752	5.406	2.080
153.0	13.94	8.707	6.337	2.709	4.395	7.496	8.983	8.888	4.923	2.296
156.0	12.77	7.843	6.328	2.779	3.807	6.727	7.506	8.028	4.371	2.407
159.0	11.64	6.943	6.167	2.830	3.279	6.008	6.882	7.229	3.838	2.588
162.0	10.16	6.119	6.156	2.890	2.512	5.244	6.782	6.607	3.371	2.753
165.0	9.141	5.498	6.168	2.930	2.150	4.240	6.648	5.757	2.781	2.889
168.0	5.187	5.468	6.167	2.937	2.144	3.389	3.495	4.742	2.406	3.025
171.0	4.656	5.226	5.856	2.941	2.136	2.288	3.621	3.897	2.304	3.096
174.0	4.094	4.783	5.660	2.944	2.121	2.178	3.084	3.124	2.203	3.191
177.0	3.525	4.204	4.792	2.945	2.091	2.111	2.519	2.166	2.101	3.246
180.0	2.181	2.151	2.588	2.885	3.262	2.955	2.181	2.151	2.131	3.352
G/C	300.0	330.0								
0.0	83.90	83.74								
3.0	83.95	84.08								
6.0	83.84	84.24								
9.0	83.45	84.26								
12.0	82.66	84.07								
15.0	81.62	83.60								
18.0	80.28	82.88								
21.0	78.69	82.02								
24.0	76.83	81.05								
27.0	74.77	80.00								
30.0	72.58	78.93								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-12-09

γ Range: 0 - 180DEG  
 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:

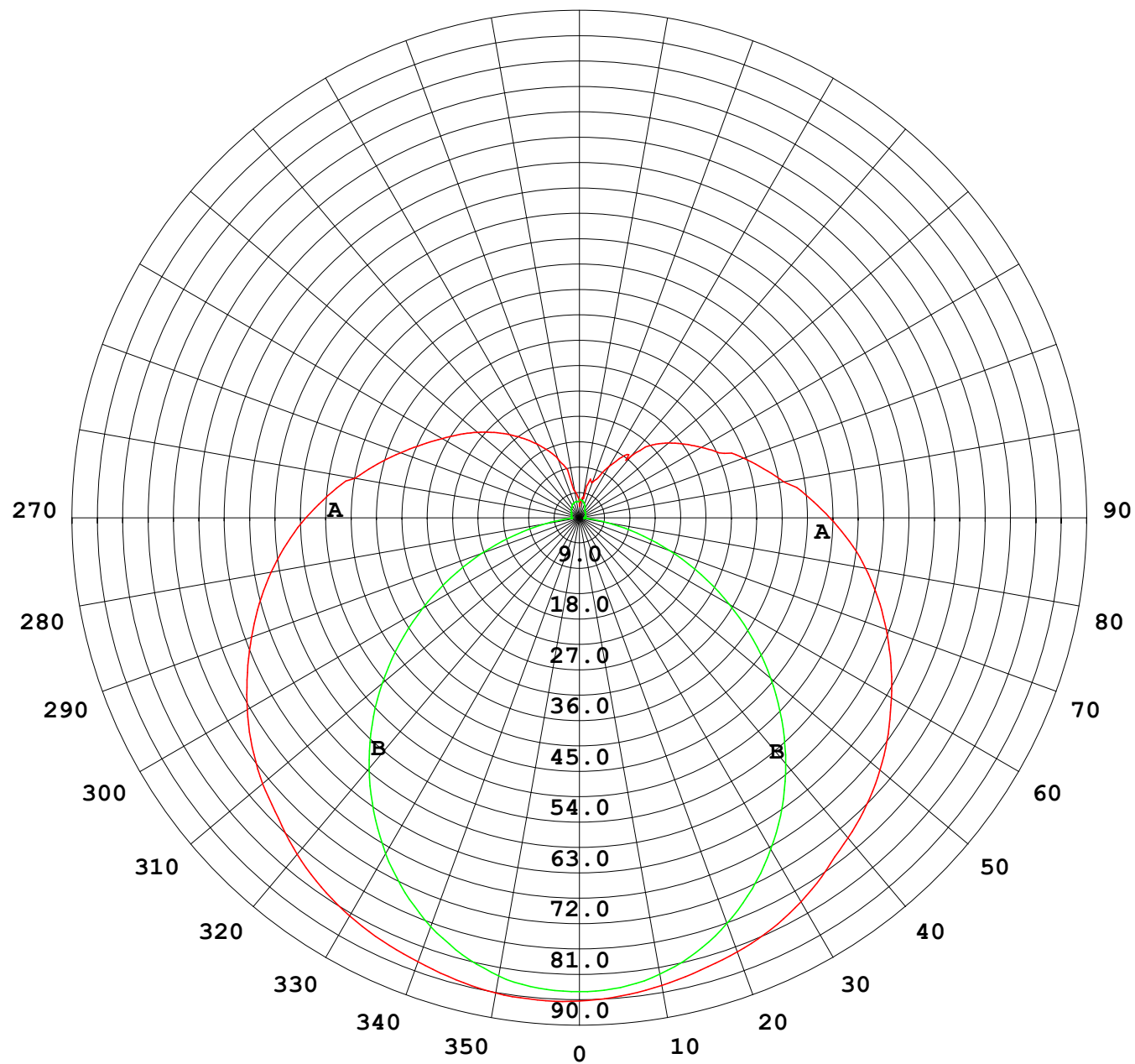
## Photometric Data Table [cd]

33.0	70.33	77.90
36.0	68.01	76.74
39.0	65.62	75.44
42.0	63.18	74.01
45.0	60.69	72.50
48.0	58.16	70.83
51.0	55.49	69.02
54.0	52.74	67.12
57.0	49.92	65.24
60.0	47.04	63.52
63.0	44.12	61.75
66.0	41.21	59.80
69.0	38.33	57.78
72.0	35.69	55.77
75.0	33.10	53.71
78.0	30.56	51.72
81.0	28.16	49.84
84.0	26.05	47.90
87.0	24.20	46.02
90.0	22.57	44.02
93.0	21.18	42.17
96.0	19.88	40.31
99.0	18.77	38.98
102.0	17.41	37.91
105.0	15.02	32.70
108.0	15.27	31.35
111.0	14.75	29.93
114.0	14.04	28.32
117.0	13.08	26.65
120.0	12.09	25.38
123.0	11.49	24.24
126.0	11.01	22.89
129.0	10.66	21.78
132.0	10.11	19.31
135.0	9.335	17.29
138.0	8.622	15.25
141.0	7.964	13.65
144.0	7.598	12.71
147.0	7.170	11.54
150.0	6.643	10.57
153.0	6.726	9.633
156.0	6.930	8.617
159.0	6.909	7.632
162.0	6.815	6.707
165.0	6.679	6.293
168.0	6.618	6.478
171.0	6.442	6.328
174.0	6.196	6.127
177.0	5.636	5.826
180.0	3.237	2.950

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-09

γ Range: 0 - 180DEG  
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:

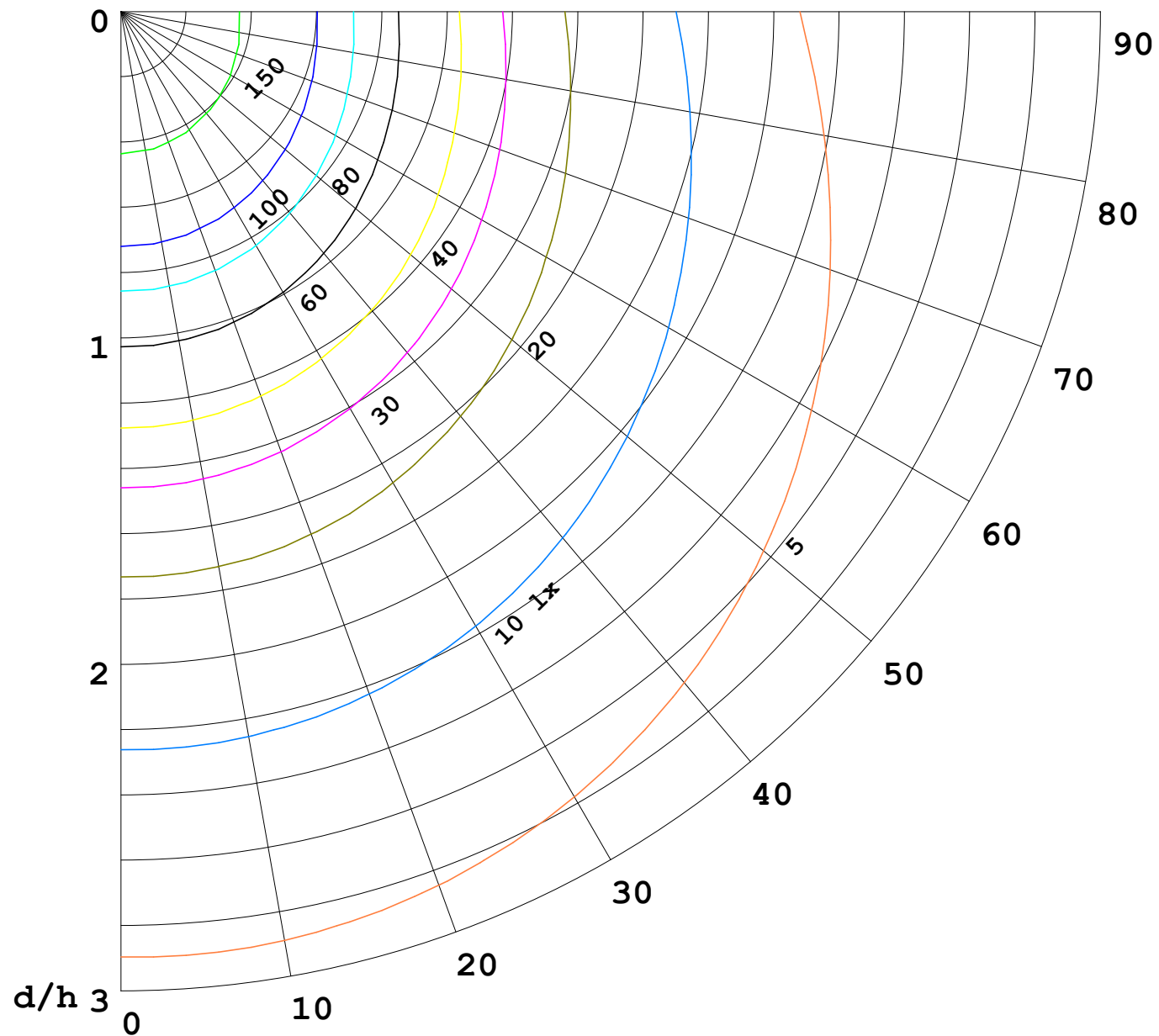
I (cd)





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

