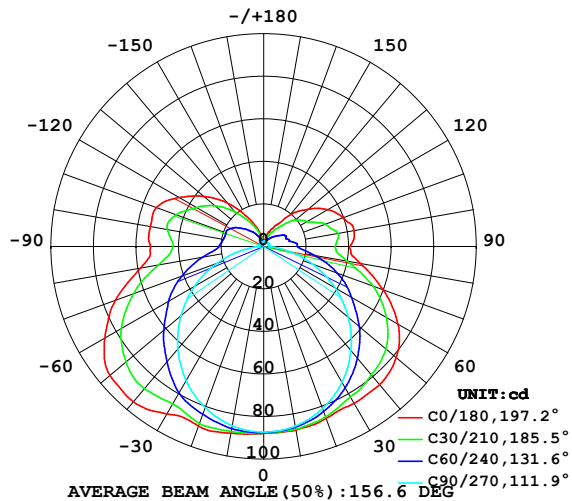


## LUMINAIRE PHOTOMETRIC TEST REPORT

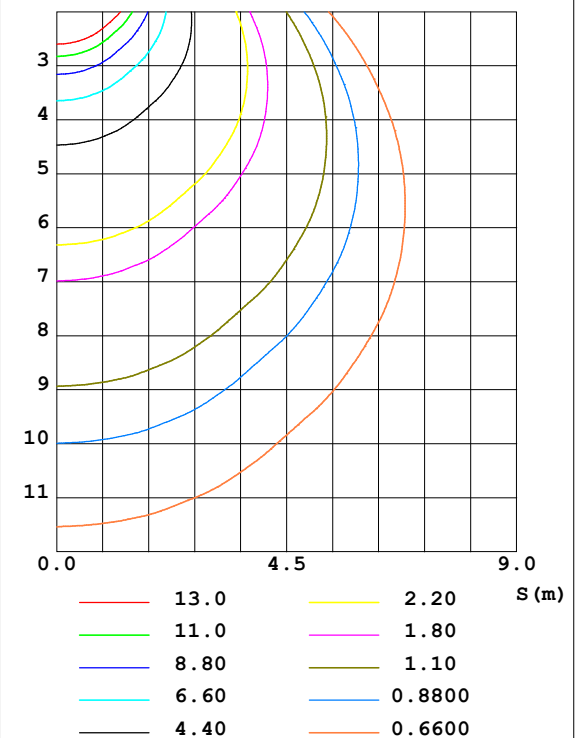
Test:U:24.00V I:0.3982A P:9.556W PF:1.000 Lamp Flux:486.421x1 lm		
NAME: SF18-24V-3528-120-CC-2700	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 50.90 lm/W			
MODEL	3528	I <sub>max</sub> (cd)	95.40	S/MH (C0/180)	1.49
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	486.42	η UP, DN (C0-180)	12.0, 37.0
NOMINAL FLUX (lm)	486.421	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	13.1, 37.9
LAMPS INSIDE	1	η up (%)	25.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24.0	η down (%)	74.9	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



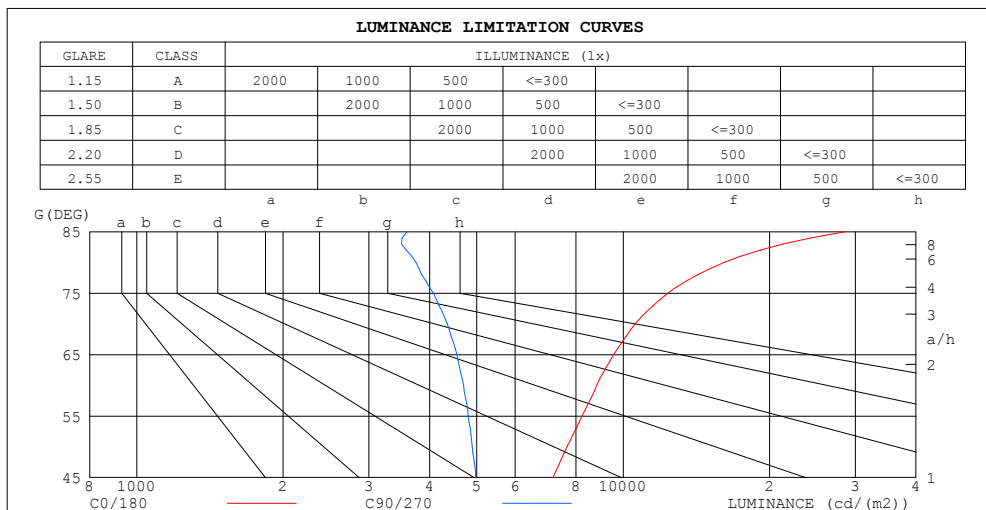
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: HXJ  
Test Date: 2022-04-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 9.200m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	87.65	86.77	85.78	87.43	89.14	87.65	85.56	86.25	0- 10	8.334	8.334	1.71,1.71
20	86.02	83.89	81.09	86.18	89.79	86.26	80.59	83.23	10- 20	24.36	32.69	6.72,6.72
30	85.14	79.15	73.67	82.55	90.87	82.57	72.93	78.34	20- 30	38.19	70.89	14.6,14.6
40	84.83	73.69	63.84	79.21	95.40	79.05	62.81	72.69	30- 40	49.36	120.2	24.7,24.7
50	81.33	66.90	51.90	73.22	94.32	72.98	50.81	65.62	40- 50	56.64	176.9	36.4,36.4
60	72.81	57.13	38.74	64.67	86.29	64.54	37.57	55.80	50- 60	58.21	235.1	48.3,48.3
70	59.72	45.96	24.53	53.15	74.24	53.07	23.50	44.78	60- 70	53.71	288.8	59.4,59.4
80	46.25	32.15	10.75	39.54	58.90	39.74	10.13	31.39	70- 80	43.38	332.2	68.3,68.3
90	40.57	24.72	2.528	31.68	53.19	31.81	2.192	24.02	80- 90	32.20	364.4	74.9,74.9
100	43.19	24.53	2.544	32.52	54.14	32.68	2.239	24.04	90-100	29.83	394.2	81,81
110	39.71	21.00	2.553	31.08	53.65	31.38	2.275	21.58	100-110	28.25	422.5	86.9,86.9
120	34.80	17.17	2.469	26.72	46.10	26.96	2.272	18.30	110-120	23.82	446.3	91.7,91.7
130	27.26	13.51	2.448	21.39	36.68	21.58	2.237	14.23	120-130	17.77	464.0	95.4,95.4
140	19.29	9.088	2.377	15.49	26.71	15.42	2.239	9.144	130-140	11.64	475.7	97.8,97.8
150	11.78	5.922	2.351	9.832	16.63	9.765	2.241	5.871	140-150	6.374	482.1	99.1,99.1
160	7.671	3.700	2.382	5.888	9.370	5.773	2.297	3.692	150-160	2.993	485.1	99.7,99.7
170	2.790	2.659	2.453	3.369	3.079	3.283	2.383	2.654	160-170	1.106	486.2	99.9,99.9
180	2.427	2.508	2.478	2.571	2.463	2.551	2.448	2.535	170-180	0.2603	486.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	28732	3598
80	16144	3752
75	12375	4068
70	10582	4346
65	9564	4552
60	8825	4696
55	8236	4800
50	7669	4894
45	7172	4978

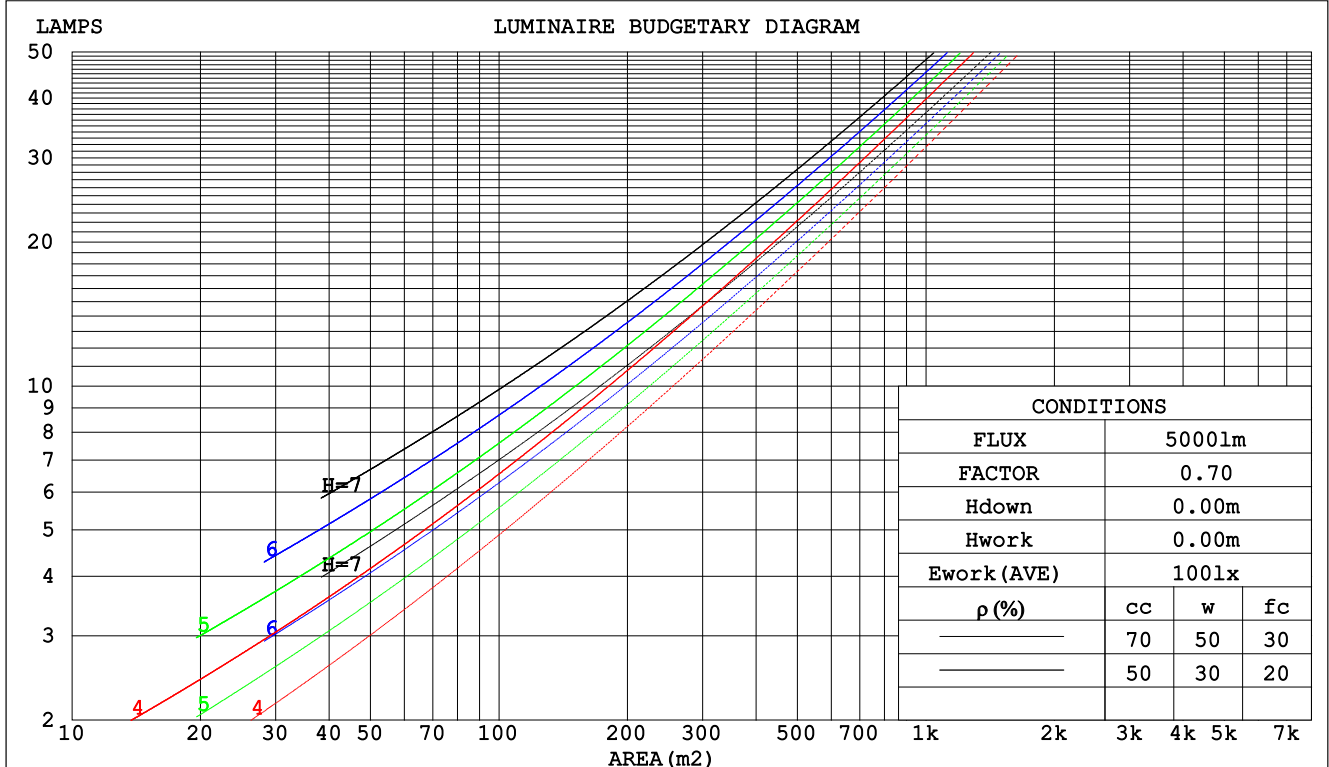
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-04-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.3982A P:9.556W PF:1.000 Lamp Flux:486.421x1 lm		
NAME: SF18-24V-3528-120-CC-2700	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.13	1.13	1.13	1.08	1.08	1.08	.97	.97	.97	.88	.88	.88	.79	.79	.79	.75
1.0	.94	.89	.84	.90	.85	.81	.81	.77	.74	.72	.70	.67	.65	.63	.61	.57
2.0	.81	.73	.66	.77	.70	.64	.69	.63	.58	.62	.57	.53	.55	.52	.48	.45
3.0	.70	.61	.54	.66	.58	.52	.60	.53	.48	.54	.48	.44	.48	.43	.40	.36
4.0	.61	.52	.45	.58	.50	.43	.52	.45	.40	.47	.41	.36	.42	.37	.33	.30
5.0	.54	.45	.38	.51	.43	.36	.46	.39	.34	.42	.36	.31	.37	.32	.28	.26
6.0	.48	.39	.32	.46	.37	.31	.42	.34	.29	.38	.31	.27	.34	.29	.25	.22
7.0	.43	.34	.28	.41	.33	.27	.38	.30	.25	.34	.28	.23	.31	.26	.22	.19
8.0	.39	.31	.25	.38	.30	.24	.34	.27	.22	.31	.25	.21	.28	.23	.19	.17
9.0	.36	.28	.22	.34	.27	.21	.31	.25	.20	.29	.23	.18	.26	.21	.17	.15
10.0	.33	.25	.20	.32	.24	.19	.29	.22	.18	.26	.21	.17	.24	.19	.15	.13



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-04-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:24.00V I:0.3982A P:9.556W PF:1.000 Lamp Flux:486.421x1 lm		
NAME: SF18-24V-3528-120-CC-2700	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION 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	.376	.214	.068	.361	.206	.065	.334	.191	.061	.308	.178	.057	.284	.165	.053	
2.0	.328	.180	.055	.315	.173	.053	.289	.161	.050	.266	.149	.047	.245	.138	.044	
3.0	.292	.156	.047	.280	.150	.045	.257	.139	.042	.236	.129	.040	.216	.120	.037	
4.0	.264	.137	.040	.253	.132	.039	.232	.123	.037	.212	.114	.034	.194	.106	.032	
5.0	.240	.122	.035	.230	.118	.034	.211	.110	.032	.193	.102	.030	.177	.094	.028	
6.0	.220	.110	.032	.211	.107	.031	.193	.099	.029	.177	.092	.027	.162	.085	.025	
7.0	.203	.100	.028	.195	.097	.028	.179	.090	.026	.164	.084	.024	.150	.078	.023	
8.0	.188	.092	.026	.181	.089	.025	.166	.083	.024	.152	.077	.022	.139	.071	.021	
9.0	.176	.085	.024	.168	.082	.023	.155	.077	.022	.142	.071	.020	.130	.066	.019	
10.0	.164	.079	.022	.158	.076	.021	.145	.071	.020	.133	.066	.019	.122	.061	.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	.382	.382	.382	.326	.326	.326	.223	.223	.223	.128	.128	.128	.041	.041	.041	
1.0	.378	.348	.322	.323	.299	.277	.221	.206	.192	.127	.119	.111	.041	.038	.036	
2.0	.371	.326	.288	.318	.280	.249	.218	.194	.173	.126	.113	.102	.040	.037	.033	
3.0	.364	.310	.266	.312	.267	.231	.214	.185	.162	.124	.108	.095	.040	.035	.031	
4.0	.356	.297	.252	.306	.257	.219	.210	.179	.154	.122	.105	.091	.039	.034	.030	
5.0	.349	.288	.242	.300	.249	.211	.206	.174	.149	.120	.102	.088	.039	.033	.029	
6.0	.342	.280	.235	.294	.242	.205	.203	.170	.145	.118	.100	.086	.038	.033	.028	
7.0	.335	.273	.230	.288	.237	.201	.199	.166	.142	.116	.098	.085	.037	.032	.028	
8.0	.328	.268	.226	.282	.232	.197	.195	.163	.140	.114	.096	.083	.037	.032	.028	
9.0	.322	.263	.223	.277	.228	.195	.192	.161	.138	.112	.095	.083	.036	.031	.027	
10.0	.316	.259	.221	.273	.225	.193	.189	.158	.137	.110	.094	.082	.036	.031	.027	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:HXJ  
 Test Date:2022-04-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

### Uncorrected UGR Table

Test:U:24.00V I:0.3982A P:9.556W PF:1.000 Lamp Flux:486.421x1 lm											
NAME: SF18-24V-3528-120-CC-2700					TYPE:硅胶			WEIGHT:			
DIM.: 16.5mm*16.5mm					SPEC.:			SERIAL No.:2022040701			
MFR.: OLYMPIA					SUR.:1*0.0165			PROTECTION 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	2H	19.1	20.4	19.7	21.0	21.7	16.4	17.7	17.0	18.3	19.0
	3H	21.6	22.8	22.2	23.4	24.1	18.0	19.2	18.6	19.8	20.5
	4H	22.9	24.0	23.5	24.6	25.4	18.6	19.8	19.3	20.4	21.2
	6H	24.2	25.3	24.9	26.0	26.8	19.1	20.2	19.8	20.8	21.6
	8H	25.0	26.0	25.7	26.7	27.5	19.3	20.3	19.9	21.0	21.8
	12H	25.9	26.9	26.6	27.6	28.4	19.4	20.3	20.1	21.0	21.8
4H	2H	19.6	20.7	20.2	21.3	22.1	17.6	18.8	18.3	19.4	20.2
	3H	22.3	23.3	23.0	24.0	24.8	19.4	20.4	20.1	21.1	21.9
	4H	23.8	24.7	24.5	25.4	26.2	20.2	21.1	20.9	21.8	22.7
	6H	25.4	26.2	26.1	26.9	27.8	20.9	21.7	21.6	22.4	23.3
	8H	26.2	27.0	27.0	27.7	28.6	21.1	21.9	21.9	22.6	23.5
	12H	27.3	28.0	28.0	28.7	29.6	21.3	22.0	22.1	22.7	23.7
8H	4H	24.1	24.8	24.8	25.6	26.4	21.2	22.0	21.9	22.7	23.6
	6H	25.9	26.5	26.7	27.3	28.2	22.2	22.8	22.9	23.6	24.5
	8H	27.0	27.6	27.8	28.4	29.3	22.6	23.2	23.4	23.9	24.9
	12H	28.3	28.8	29.1	29.6	30.5	22.9	23.4	23.7	24.2	25.2
12H	4H	24.1	24.7	24.8	25.5	26.4	21.5	22.2	22.2	22.9	23.8
	6H	26.0	26.6	26.8	27.4	28.3	22.6	23.2	23.4	24.0	24.9
	8H	27.2	27.7	28.0	28.5	29.5	23.2	23.7	24.0	24.5	25.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.5					

CIE Pub.117 Corrected 486.4 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.5)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-04-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.3982A P:9.556W PF:1.000 Lamp Flux:486.421x1 lm		
NAME: SF18-24V-3528-120-CC-2700	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

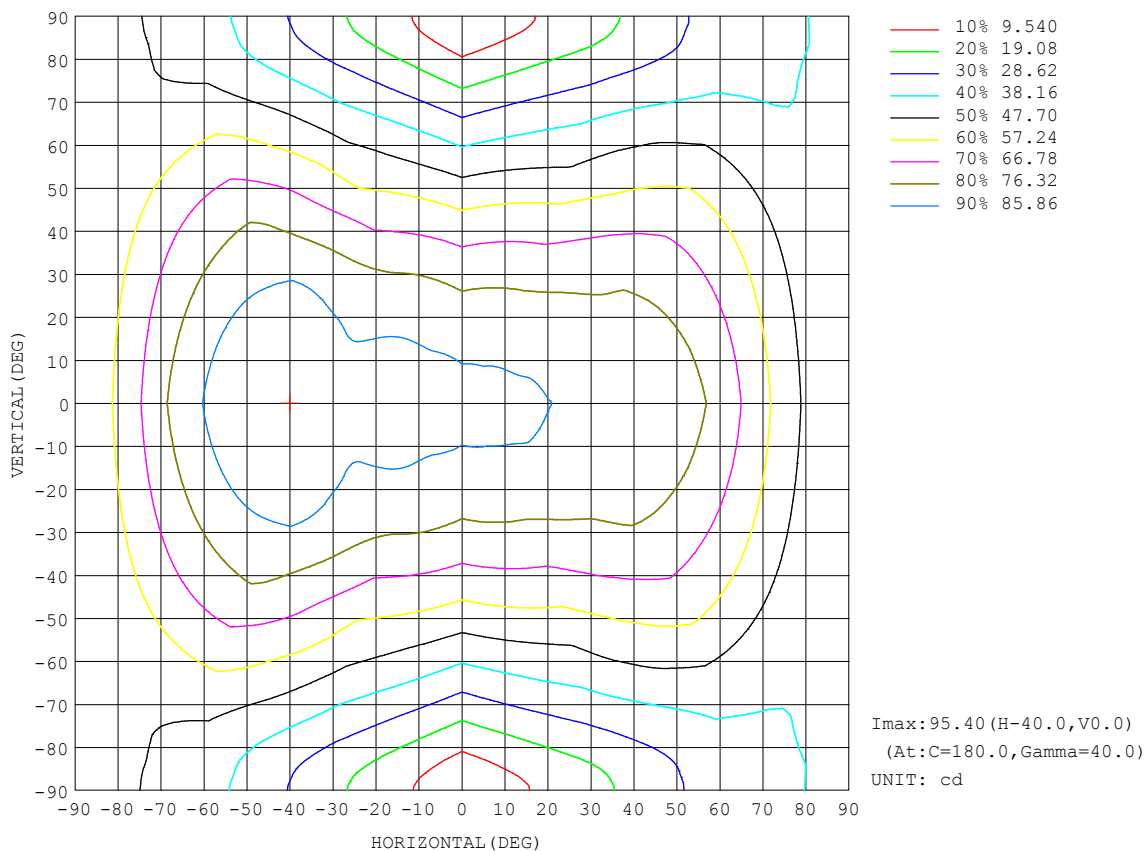
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	33	25	44	32	25	42	31	25	18
0.80	54	41	33	52	40	33	49	38	31	23
1.00	62	49	40	60	48	40	56	48	38	29
1.25	69	56	48	66	55	47	61	52	44	34
1.50	74	62	53	71	60	52	66	56	49	38
2.00	82	71	62	78	68	60	72	63	57	44
2.50	86	76	68	83	73	66	75	68	62	47
3.00	90	81	73	86	78	71	78	72	66	51
4.00	95	87	80	91	83	77	82	77	72	55
5.00	98	91	85	93	87	82	85	80	75	58
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: HXJ  
 Test Date: 2022-04-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:24.00V I:0.3982A P:9.556W PF:1.000 Lamp Flux:486.42lx1 lm		
NAME: SF18-24V-3528-120-CC-2700	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

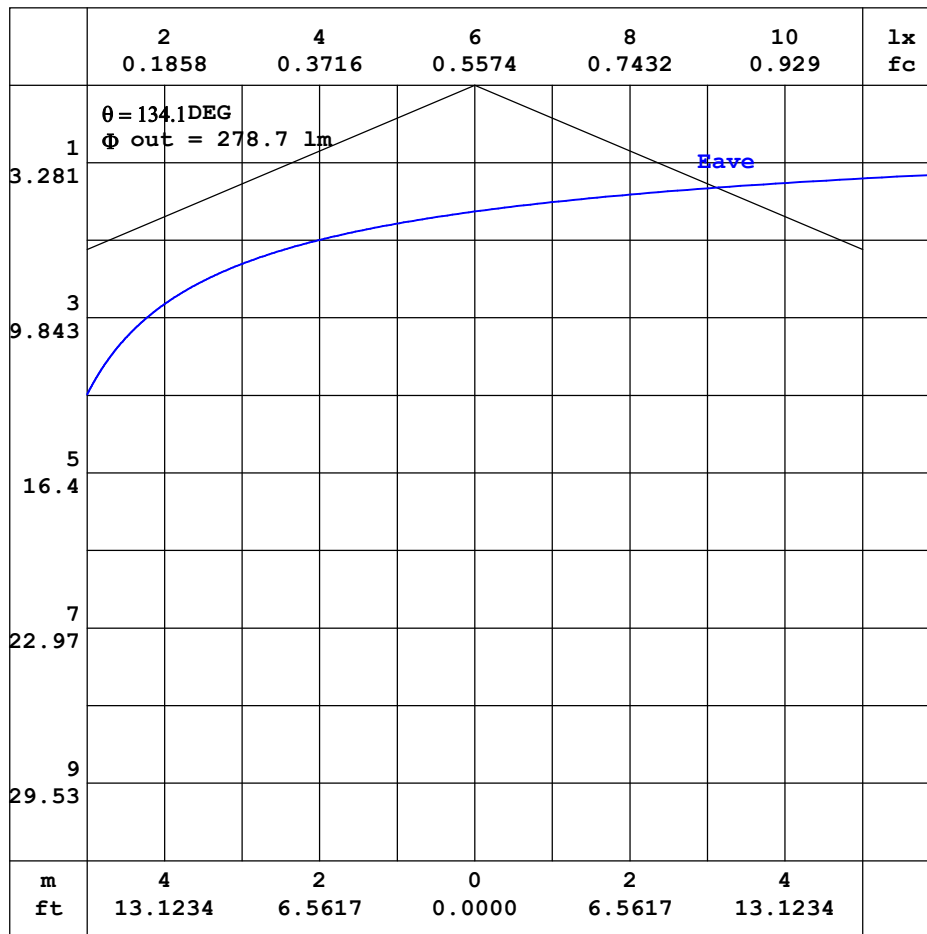


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: HXJ  
Test Date: 2022-04-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 9.200m [K=1.0000]  
Remarks:

## AAI CURVES

Test:U:24.00V I:0.3982A P:9.556W PF:1.000 Lamp Flux:486.42lx1 lm		
NAME: SF18-24V-3528-120-CC-2700	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:



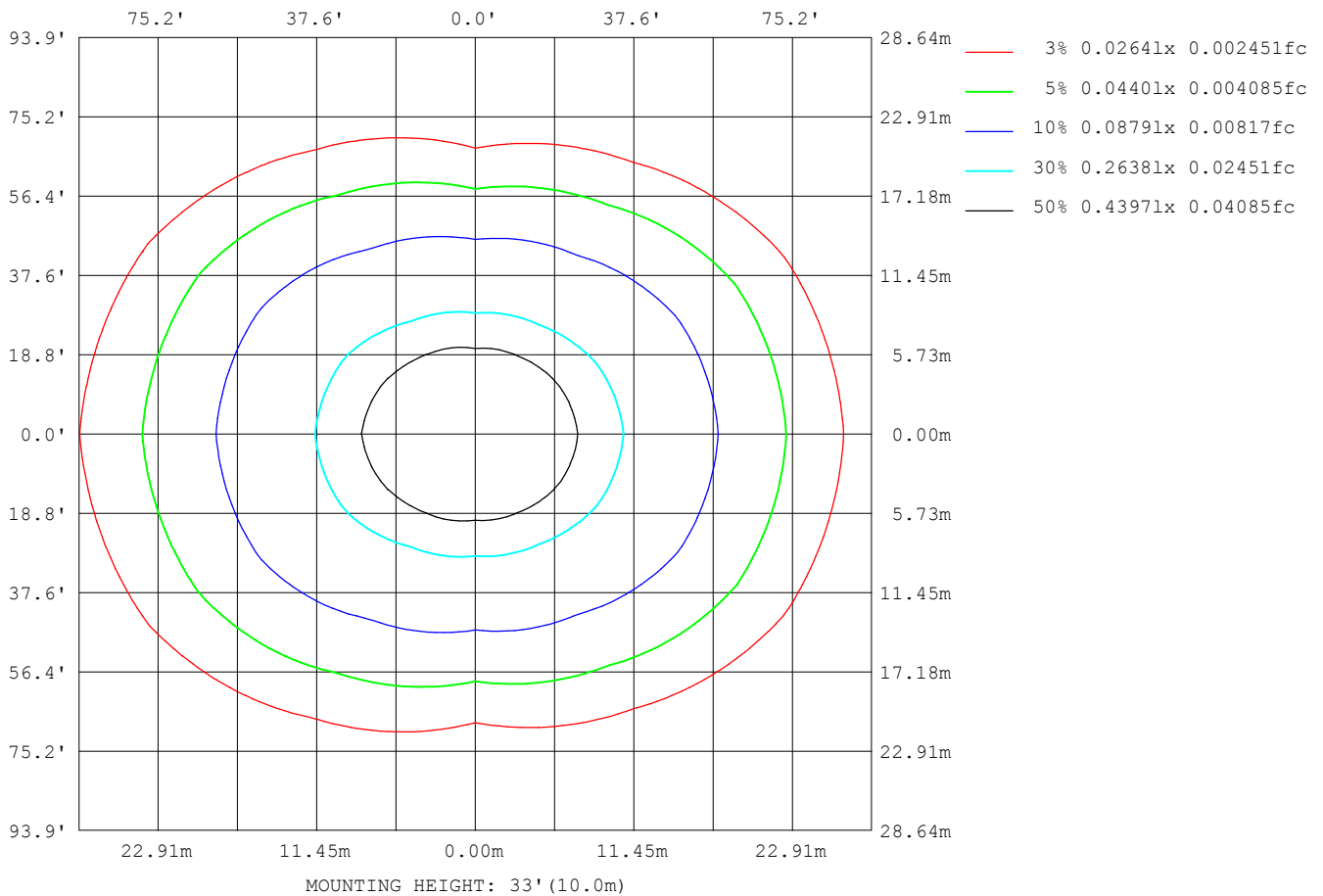
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: HXJ  
 Test Date: 2022-04-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

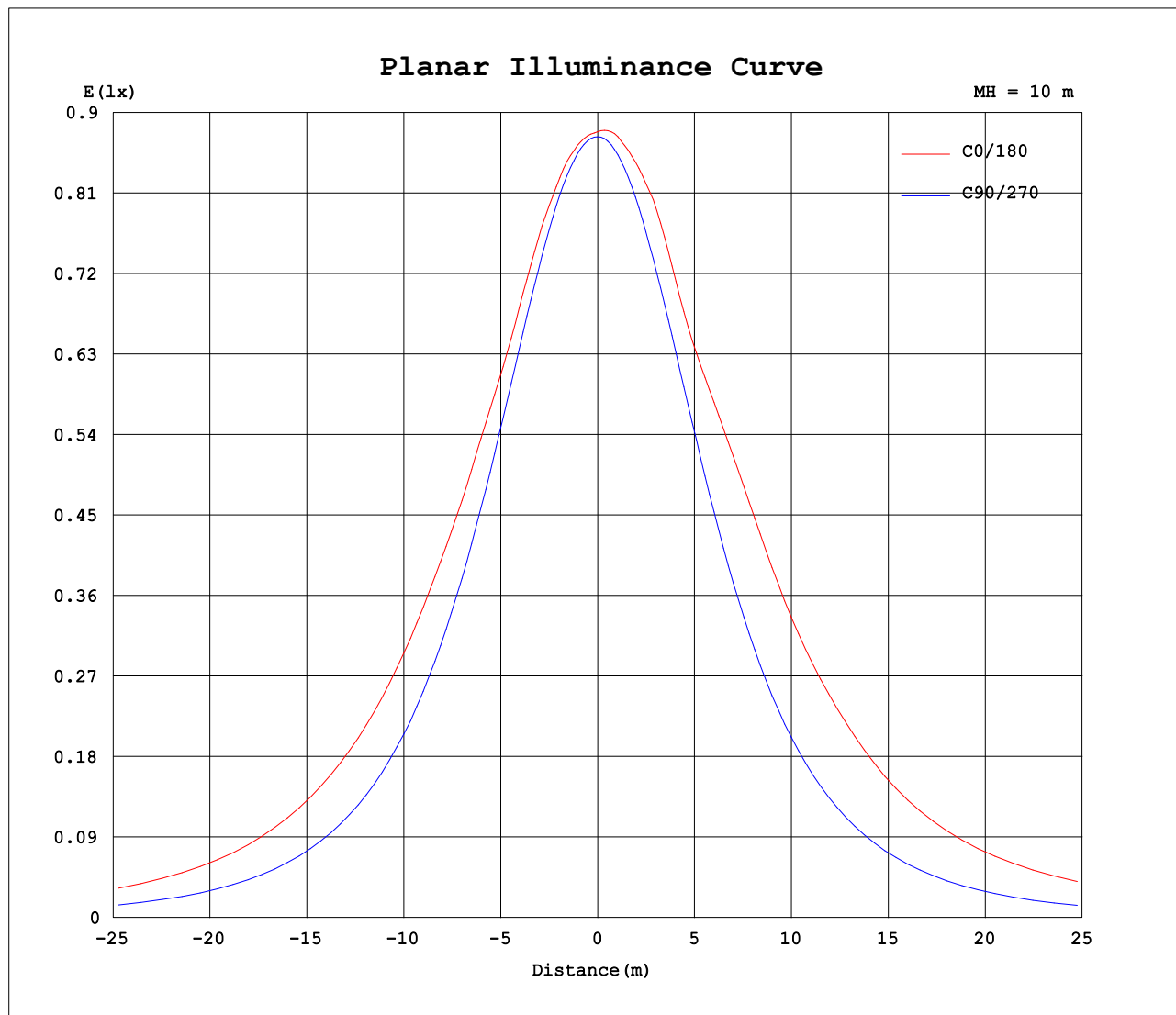
Test:U:24.00V I:0.3982A P:9.556W PF:1.000 Lamp Flux:486.42lx 1m		
NAME: SF18-24V-3528-120-CC-2700	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.: 2022040701
MFR.: OLYMPIA	SUR.: 1*0.0165	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: HXJ  
Test Date: 2022-04-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
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: HXJ  
Test Date: 2022-04-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 9.200m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.3982A P:9.556W PF:1.000 Lamp Flux:486.421x1 lm		
NAME: SF18-24V-3528-120-CC-2700	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	87.9	87.7	87.5	87.3	87.2	87.2	87.9	87.7	87.5	87.3	87.2	87.2							
5	87.7	87.5	87.1	87.0	87.4	87.8	88.7	88.2	87.5	86.9	86.7	87.0							
10	87.6	87.3	86.3	85.8	86.9	88.0	89.1	88.3	87.0	85.6	85.8	86.7							
15	87.1	86.3	84.8	83.8	85.5	88.3	90.1	88.6	85.6	83.4	84.3	85.6							
20	86.0	85.2	82.6	81.1	84.0	88.3	89.8	88.6	83.9	80.6	82.1	84.4							
25	84.9	83.5	79.9	77.7	82.4	86.4	88.8	86.6	82.2	77.1	79.2	82.5							
30	85.1	81.6	76.7	73.7	79.7	85.4	90.9	85.5	79.6	72.9	76.0	80.7							
35	84.9	80.7	72.9	69.0	75.6	86.3	93.9	86.4	75.5	68.1	72.0	79.7							
40	84.8	78.8	68.6	63.8	71.1	87.3	95.4	87.3	70.8	62.8	67.7	77.7							
45	83.7	77.4	63.8	58.1	66.6	86.8	94.9	86.9	66.2	57.0	62.8	76.2							
50	81.3	75.0	58.8	51.9	61.8	84.6	94.3	84.6	61.4	50.8	57.6	73.6							
55	77.9	71.3	53.0	45.4	56.6	81.5	91.5	81.4	56.2	44.3	51.7	69.8							
60	72.8	66.6	47.7	38.7	52.0	77.4	86.3	77.4	51.7	37.6	46.4	65.2							
65	66.7	61.2	42.7	31.7	47.1	71.6	80.5	71.6	46.7	30.6	41.4	59.9							
70	59.7	55.0	36.9	24.5	41.2	65.1	74.2	65.1	41.0	23.5	35.8	53.8							
75	52.8	47.0	30.7	17.4	35.1	57.8	66.2	58.0	35.1	16.5	29.7	46.1							
80	46.3	40.0	24.3	10.7	29.0	50.1	58.9	50.4	29.1	10.1	23.6	39.2							
85	41.3	34.8	18.6	5.17	23.5	44.3	53.8	44.5	23.6	4.67	17.9	34.1							
90	40.6	33.6	15.9	2.53	21.1	42.3	53.2	42.6	21.0	2.19	15.1	32.9							
95	42.6	34.9	15.9	2.54	20.1	43.6	54.3	43.9	20.1	2.22	15.2	34.3							
100	43.2	35.5	13.6	2.54	19.2	45.8	54.1	46.1	19.3	2.24	13.1	35.0							
105	42.1	32.8	12.3	2.55	18.7	45.7	54.3	46.1	18.9	2.28	11.7	33.2							
110	39.7	30.9	11.2	2.55	18.7	43.5	53.6	43.8	19.0	2.28	11.7	31.4							
115	37.6	26.9	11.8	2.48	18.4	39.9	50.6	40.2	18.7	2.27	11.3	27.8							
120	34.8	23.4	10.9	2.47	17.1	36.4	46.1	36.6	17.3	2.27	10.6	26.0							
125	31.4	21.5	9.05	2.46	15.3	33.2	41.4	33.4	15.5	2.25	9.45	22.6							
130	27.3	19.3	7.70	2.45	13.1	29.6	36.7	29.8	13.3	2.24	8.00	20.5							
135	23.6	15.9	6.52	2.41	11.2	25.7	31.8	25.7	11.3	2.24	6.81	15.7							
140	19.3	12.7	5.50	2.38	9.43	21.6	26.7	21.4	9.41	2.24	5.75	12.5							
145	13.9	10.1	4.66	2.36	7.80	17.1	21.6	17.0	7.83	2.24	4.90	9.98							
150	11.8	7.84	4.01	2.35	6.11	13.5	16.6	13.4	6.16	2.24	3.98	7.76							
155	9.13	5.94	3.46	2.35	4.91	10.5	12.7	10.4	4.89	2.28	3.27	6.25							
160	7.67	4.37	3.03	2.38	4.07	7.70	9.37	7.56	3.99	2.30	2.87	4.51							
165	4.89	3.18	2.70	2.42	3.33	5.19	6.00	5.10	3.24	2.33	2.61	3.26							
170	2.79	2.71	2.60	2.45	3.07	3.67	3.08	3.63	2.94	2.38	2.53	2.77							
175	2.53	2.54	2.51	2.48	2.96	3.06	2.59	3.05	2.86	2.41	2.45	2.60							
180	2.43	2.54	2.47	2.48	2.56	2.58	2.46	2.58	2.52	2.45	2.52	2.55							

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-04-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
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	87.86	87.68	87.52	87.29	87.22	87.21	87.86	87.68	87.52	87.29
3.0	87.74	87.54	87.30	87.19	87.37	87.61	88.33	88.04	87.59	87.17
6.0	87.74	87.48	87.02	86.78	87.36	87.89	88.73	88.29	87.47	86.67
9.0	87.73	87.29	86.50	86.07	87.06	87.94	89.02	88.32	87.14	85.89
12.0	87.31	86.95	85.69	85.05	86.38	88.09	89.53	88.40	86.45	84.80
15.0	87.15	86.31	84.76	83.81	85.50	88.34	90.13	88.58	85.55	83.43
18.0	86.56	85.84	83.62	82.24	84.60	88.61	90.27	88.84	84.63	81.84
21.0	85.85	84.89	82.08	80.43	83.75	87.99	89.53	88.21	83.67	79.97
24.0	85.02	83.86	80.48	78.46	82.74	86.79	88.89	87.04	82.60	77.86
27.0	84.81	82.59	78.77	76.19	81.52	85.70	89.26	85.90	81.38	75.52
30.0	85.14	81.59	76.70	73.67	79.72	85.38	90.87	85.51	79.63	72.93
33.0	84.99	81.23	74.42	70.97	77.33	85.94	92.63	86.01	77.24	70.07
36.0	84.85	80.39	72.10	68.06	74.71	86.48	94.28	86.57	74.59	67.10
39.0	84.83	79.14	69.48	64.84	72.02	87.16	95.24	87.14	71.78	63.90
42.0	84.53	78.34	66.70	61.65	69.25	87.34	95.38	87.39	68.89	60.51
45.0	83.68	77.40	63.85	58.08	66.58	86.82	94.93	86.87	66.18	57.03
48.0	82.39	76.00	60.90	54.47	63.82	85.63	94.63	85.57	63.44	53.34
51.0	80.76	74.37	57.65	50.70	60.77	84.04	94.04	83.95	60.36	49.54
54.0	78.79	72.21	54.10	46.77	57.59	82.17	92.37	82.12	57.18	45.68
57.0	76.16	69.47	50.81	42.87	54.55	80.06	89.46	80.03	54.26	41.67
60.0	72.81	66.56	47.71	38.74	51.98	77.35	86.29	77.37	51.70	37.57
63.0	69.22	63.38	44.77	34.53	49.16	73.96	82.75	74.01	48.87	33.43
66.0	65.43	60.03	41.66	30.33	45.97	70.27	79.38	70.39	45.66	29.17
69.0	61.22	56.30	38.14	25.98	42.44	66.37	75.69	66.41	42.17	24.88
72.0	56.95	51.66	34.50	21.63	38.79	62.41	71.04	62.58	38.61	20.69
75.0	52.85	47.02	30.69	17.37	35.15	57.78	66.18	57.96	35.06	16.51
78.0	48.77	42.59	26.80	13.22	31.48	52.94	61.65	53.24	31.56	12.47
81.0	45.05	38.77	23.11	9.488	27.74	48.73	57.63	49.04	27.85	8.955
84.0	41.92	35.66	19.60	6.058	24.48	45.21	54.45	45.48	24.61	5.569
87.0	41.07	34.04	16.91	3.619	22.01	43.30	53.44	43.61	22.08	3.097
90.0	40.57	33.56	15.88	2.528	21.08	42.27	53.19	42.59	21.04	2.192
93.0	41.89	34.32	15.93	2.533	20.43	42.94	54.13	43.11	20.50	2.209
96.0	42.80	35.08	15.34	2.538	19.94	43.99	54.32	44.33	19.95	2.226
99.0	43.14	35.66	13.98	2.542	19.39	45.38	54.19	45.67	19.49	2.236
102.0	43.11	34.84	12.25	2.547	18.98	46.20	54.10	46.47	19.08	2.244
105.0	42.10	32.80	12.33	2.552	18.71	45.74	54.33	46.15	18.87	2.277
108.0	40.40	31.66	11.43	2.556	18.65	44.45	54.31	44.87	18.89	2.276
111.0	39.35	30.41	11.27	2.538	18.72	42.90	53.19	43.22	18.97	2.275
114.0	38.06	27.51	11.72	2.513	18.62	40.74	51.43	41.00	18.89	2.274
117.0	36.56	25.38	11.36	2.476	18.00	38.25	48.90	38.65	18.22	2.273
120.0	34.80	23.40	10.93	2.469	17.06	36.38	46.10	36.62	17.30	2.272
123.0	32.77	22.49	9.705	2.463	16.07	34.58	43.16	34.79	16.31	2.262
126.0	30.55	21.10	8.758	2.457	14.85	32.58	40.51	32.74	15.03	2.237
129.0	28.07	19.80	7.974	2.453	13.55	30.38	37.64	30.53	13.75	2.237
132.0	25.78	18.63	7.225	2.442	12.31	28.20	34.74	28.19	12.48	2.237
135.0	23.62	15.91	6.516	2.407	11.19	25.72	31.81	25.70	11.28	2.238
138.0	21.28	13.58	5.892	2.382	10.09	23.15	28.74	23.15	10.12	2.239
141.0	18.51	12.17	5.314	2.362	9.125	20.62	25.71	20.47	9.098	2.239
144.0	15.20	10.53	4.831	2.358	8.171	17.99	22.67	17.84	8.183	2.240
147.0	12.85	9.193	4.399	2.355	7.090	15.56	19.53	15.42	7.143	2.240
150.0	11.78	7.836	4.007	2.351	6.115	13.55	16.63	13.37	6.158	2.241
153.0	9.949	6.606	3.615	2.347	5.310	11.65	14.18	11.53	5.295	2.246
156.0	8.749	5.652	3.373	2.357	4.726	10.01	11.92	9.840	4.692	2.287
159.0	7.403	4.756	3.112	2.382	4.233	8.312	9.935	8.156	4.159	2.297
162.0	6.642	3.752	2.856	2.397	3.766	6.549	8.031	6.459	3.677	2.317
165.0	4.892	3.180	2.699	2.422	3.334	5.194	6.000	5.100	3.236	2.332
168.0	3.668	2.854	2.659	2.438	3.152	4.235	4.617	4.169	3.015	2.377
171.0	2.725	2.663	2.578	2.453	3.036	3.401	2.933	3.374	2.930	2.386
174.0	2.564	2.553	2.528	2.473	2.981	3.086	2.613	3.081	2.880	2.402
177.0	2.488	2.473	2.473	2.478	2.860	3.000	2.553	2.986	2.763	2.422
180.0	2.427	2.543	2.473	2.478	2.558	2.583	2.463	2.578	2.523	2.448
G/C	300.0	330.0								
0.0	87.22	87.21								
3.0	86.94	87.04								
6.0	86.61	86.94								
9.0	86.05	86.72								
12.0	85.28	86.30								
15.0	84.29	85.57								
18.0	83.14	85.07								
21.0	81.52	84.01								
24.0	79.80	82.95								
27.0	78.05	81.65								
30.0	75.99	80.68								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: HXJ  
 Test Date: 2022-04-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

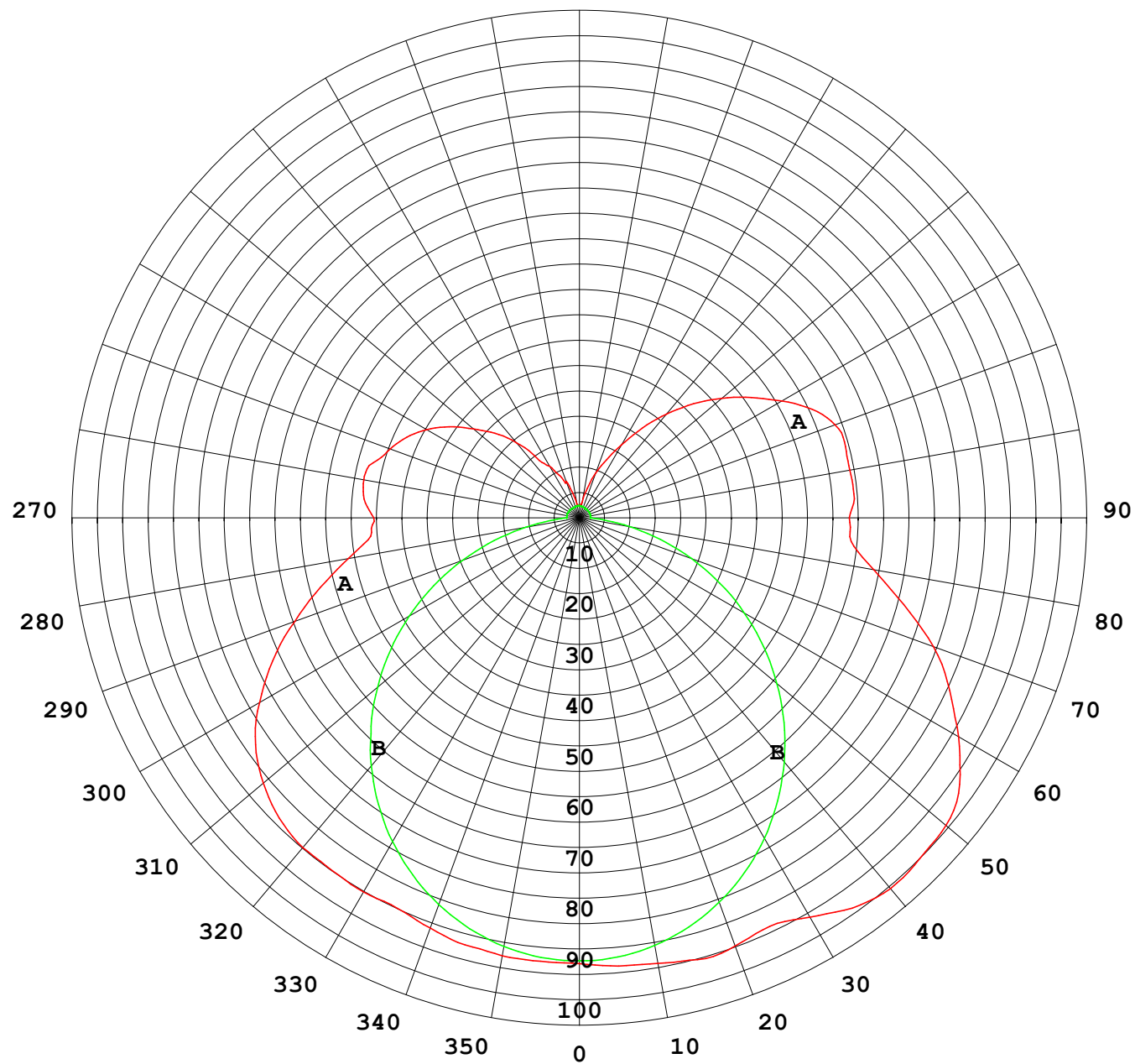
## Photometric Data Table [cd]

33.0	73.68	80.29
36.0	71.23	79.33
39.0	68.65	78.06
42.0	65.73	77.13
45.0	62.78	76.19
48.0	59.77	74.72
51.0	56.43	72.95
54.0	52.86	70.80
57.0	49.47	67.87
60.0	46.37	65.23
63.0	43.36	62.11
66.0	40.31	58.66
69.0	36.91	55.19
72.0	33.36	50.55
75.0	29.72	46.06
78.0	26.07	41.89
81.0	22.37	38.01
84.0	18.88	34.88
87.0	16.18	33.48
90.0	15.10	32.93
93.0	15.23	33.77
96.0	14.69	34.54
99.0	13.40	35.02
102.0	12.69	34.46
105.0	11.72	33.23
108.0	11.70	32.20
111.0	11.66	31.00
114.0	11.43	29.23
117.0	10.93	26.80
120.0	10.62	25.98
123.0	9.835	22.88
126.0	8.948	22.42
129.0	8.234	20.79
132.0	7.526	18.91
135.0	6.813	15.71
138.0	6.159	13.81
141.0	5.561	11.82
144.0	5.054	10.41
147.0	4.586	9.145
150.0	3.983	7.759
153.0	3.486	6.743
156.0	3.191	5.988
159.0	2.954	4.883
162.0	2.708	3.928
165.0	2.608	3.264
168.0	2.553	2.901
171.0	2.527	2.729
174.0	2.462	2.624
177.0	2.453	2.568
180.0	2.523	2.548

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-04-07

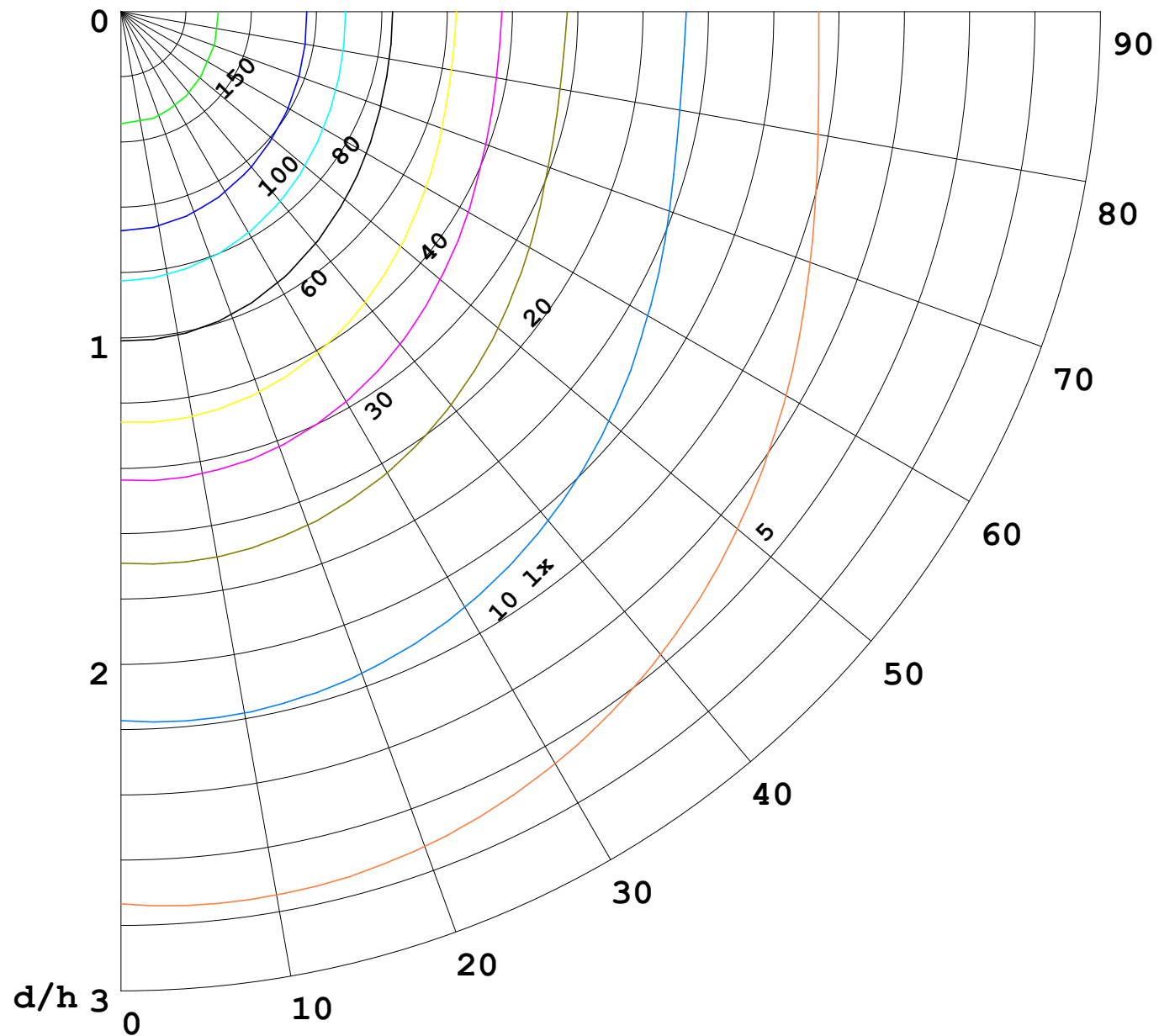
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

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

