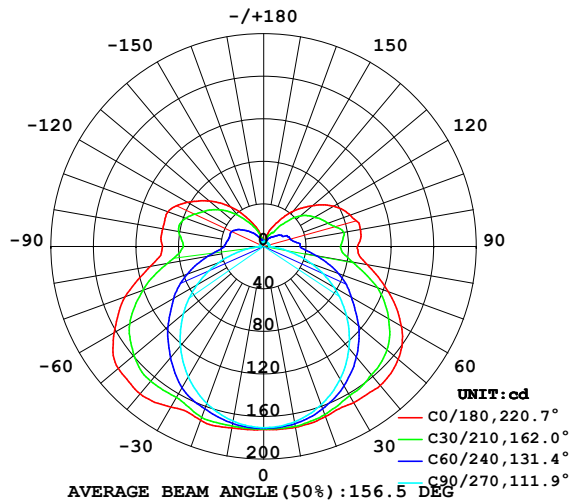


## LUMINAIRE PHOTOMETRIC TEST REPORT

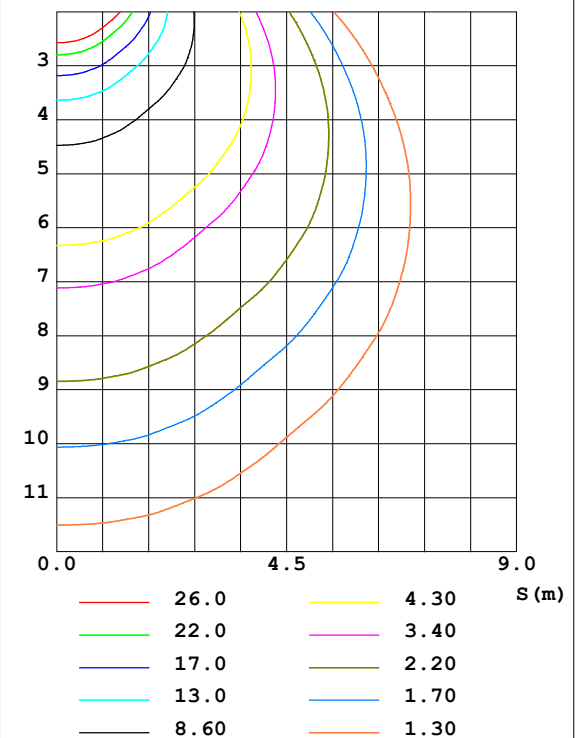
Test:U:24.00V I:0.5355A P:12.85W PF:1.000 Lamp Flux:947.891x1 lm		
NAME: SF18-24V-5050-70-SPI3-3000	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022042901
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.76 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	181.0	S/MH (C0/180)	1.52
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	947.89	η UP, DN (C0-180)	12.4, 37.4
NOMINAL FLUX (lm)	947.891	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	12.7, 37.5
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)



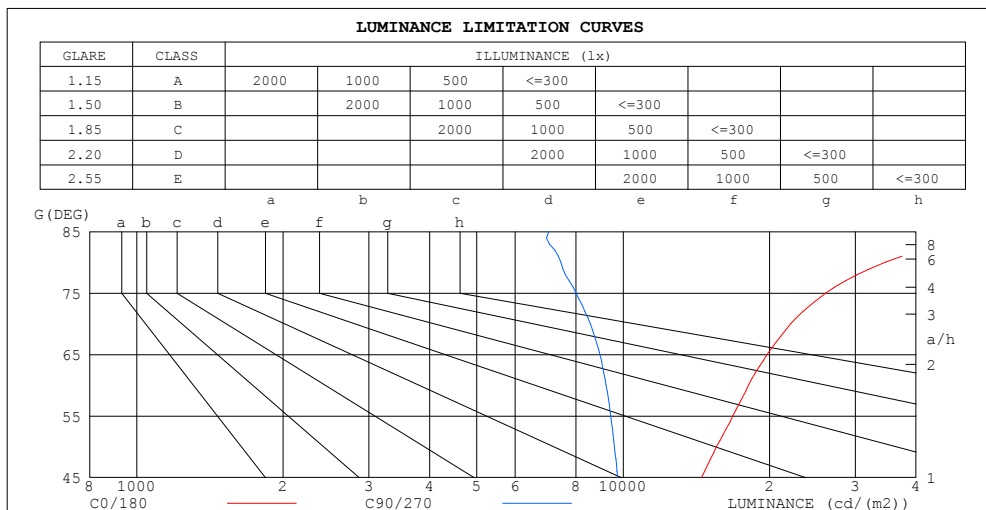
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: HXJ  
Test Date: 2022-04-29

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	172.8	170.5	167.5	169.1	173.2	170.2	166.7	168.6	0- 10	16.26	16.26	1.72,1.72
20	170.1	165.4	158.4	166.2	173.8	166.8	156.9	163.1	10- 20	47.50	63.76	6.73,6.73
30	169.5	156.6	143.9	158.7	174.4	158.9	141.8	153.9	20- 30	74.44	138.2	14.6,14.6
40	170.7	146.6	124.8	151.2	181.0	150.9	122.0	143.5	30- 40	96.09	234.3	24.7,24.7
50	165.0	134.1	101.8	139.0	178.6	138.4	98.59	130.5	40- 50	110.3	344.6	36.4,36.4
60	149.3	115.5	76.13	122.3	162.4	121.6	72.71	111.7	50- 60	113.4	458.0	48.3,48.3
70	124.7	94.45	48.34	99.49	138.7	98.81	45.28	91.17	60- 70	104.8	562.8	59.4,59.4
80	98.95	67.77	21.33	72.76	108.2	72.67	18.46	65.33	70- 80	84.76	647.6	68.3,68.3
90	88.17	53.39	4.936	56.60	95.12	56.43	3.468	51.40	80- 90	62.81	710.4	74.9,74.9
100	92.42	52.62	5.069	57.92	96.44	57.82	3.607	50.97	90-100	57.73	768.1	81,81
110	86.44	45.03	4.980	55.75	95.80	55.89	3.692	45.86	100-110	54.61	822.7	86.8,86.8
120	75.97	37.79	4.830	48.22	83.05	48.41	3.734	40.37	110-120	46.40	869.1	91.7,91.7
130	59.55	30.52	4.795	38.79	66.47	38.93	3.895	30.53	120-130	34.92	904.0	95.4,95.4
140	43.58	19.46	4.624	28.36	48.80	28.11	4.101	20.26	130-140	22.92	927.0	97.8,97.8
150	26.73	11.51	4.607	18.14	30.68	18.01	4.232	12.05	140-150	12.48	939.4	99.1,99.1
160	15.40	7.559	4.609	11.01	17.75	10.85	4.458	7.274	150-160	5.826	945.3	99.7,99.7
170	5.452	5.274	4.729	6.409	6.158	6.261	4.624	5.144	160-170	2.130	947.4	99.9,99.9
180	4.774	4.900	4.805	4.930	4.845	4.950	4.754	4.898	170-180	0.5041	947.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	62381	7027
80	34534	7446
75	26103	8001
70	22091	8565
65	19768	8954
60	18102	9227
55	16809	9430
50	15560	9596
45	14473	9746

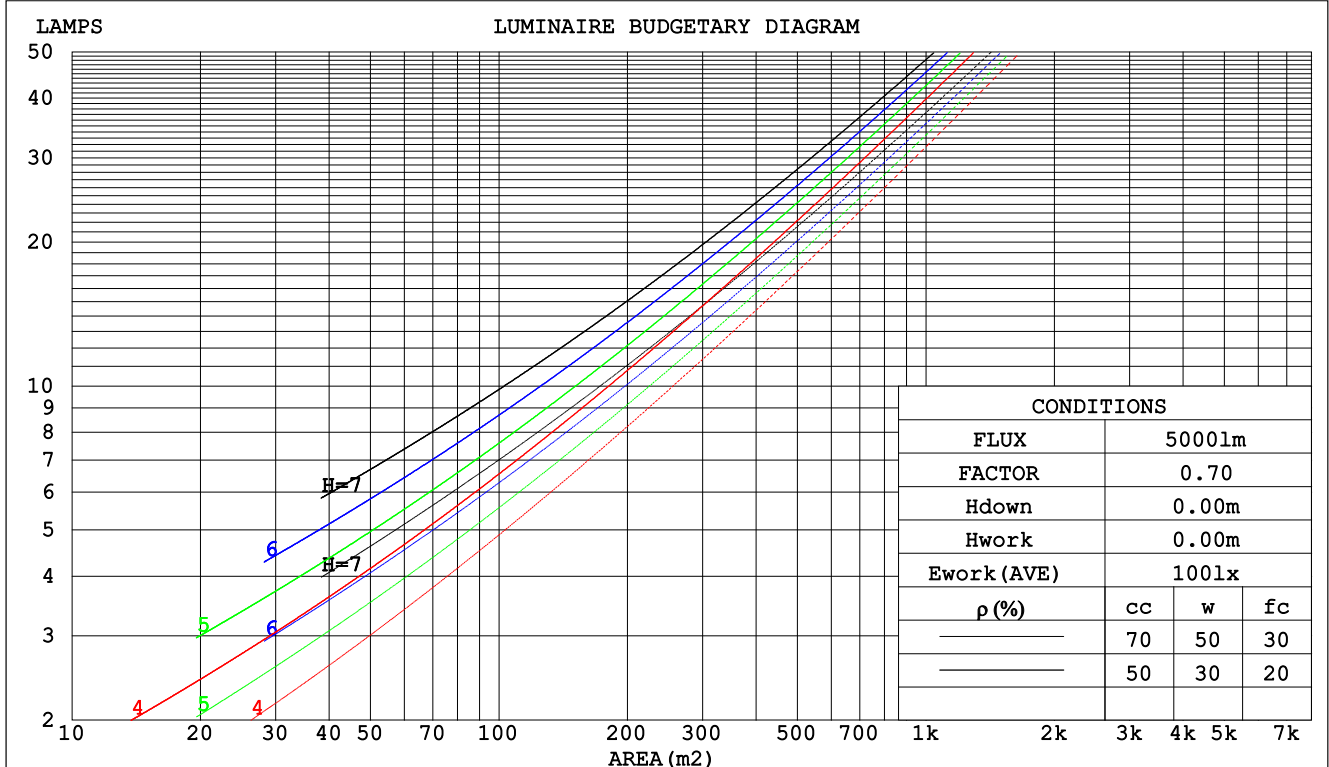
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-04-29

$\gamma$  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:0.5355A P:12.85W PF:1.000 Lamp Flux:947.891x1 lm		
NAME: SF18-24V-5050-70-SPI3-3000	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022042901
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															



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-04-29

$\gamma$  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:0.5355A P:12.85W PF:1.000 Lamp Flux:947.891x1 lm		
NAME: SF18-24V-5050-70-SPI3-3000	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022042901
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	.362	.206	.066	.334	.191	.061	.308	.178	.057	.285	.165	.053	
2.0	.328	.180	.055	.315	.173	.053	.290	.161	.050	.266	.149	.047	.245	.138	.044	
3.0	.292	.156	.047	.280	.150	.045	.257	.140	.042	.236	.129	.040	.217	.120	.037	
4.0	.264	.137	.040	.253	.132	.039	.232	.123	.037	.213	.114	.034	.195	.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	.194	.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	.381	.381	.381	.326	.326	.326	.222	.222	.222	.128	.128	.128	.041	.041	.041	
1.0	.377	.348	.322	.323	.299	.277	.221	.206	.191	.127	.119	.111	.041	.038	.036	
2.0	.371	.326	.287	.318	.280	.248	.218	.194	.173	.126	.113	.102	.040	.036	.033	
3.0	.364	.309	.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	.287	.242	.299	.249	.211	.206	.174	.149	.119	.102	.088	.039	.033	.029	
6.0	.341	.280	.235	.293	.242	.205	.202	.169	.145	.117	.100	.086	.038	.033	.028	
7.0	.334	.273	.230	.288	.237	.200	.199	.166	.142	.115	.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	.160	.138	.112	.095	.082	.036	.031	.027	
10.0	.316	.259	.221	.272	.225	.193	.189	.158	.137	.110	.093	.082	.036	.031	.027	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:HXJ  
 Test Date:2022-04-29

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:0.5355A P:12.85W PF:1.000 Lamp Flux:947.891x1 lm										
NAME: SF18-24V-5050-70-SPI3-3000					TYPE: 硅胶			WEIGHT:		
DIM.: 16.5mm*16.5mm					SPEC.:			SERIAL No.:2022042901		
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	21.7	23.0	22.3	23.6	24.3	18.8	20.1	19.4	20.7	21.4
3H	24.3	25.5	24.9	26.1	26.8	20.5	21.6	21.1	22.3	23.0
4H	25.6	26.7	26.3	27.4	28.2	21.1	22.2	21.7	22.9	23.6
6H	27.1	28.1	27.7	28.8	29.6	21.6	22.6	22.3	23.3	24.1
8H	27.9	28.9	28.5	29.6	30.4	21.8	22.8	22.4	23.5	24.3
12H	28.8	29.8	29.5	30.5	31.3	21.9	22.8	22.5	23.5	24.3
4H 2H	22.2	23.3	22.8	24.0	24.7	20.1	21.3	20.8	21.9	22.7
3H	25.0	26.0	25.7	26.7	27.5	22.0	22.9	22.6	23.6	24.4
4H	26.6	27.4	27.3	28.2	29.0	22.8	23.7	23.5	24.4	25.2
6H	28.2	29.0	28.9	29.7	30.6	23.4	24.2	24.2	25.0	25.8
8H	29.1	29.9	29.9	30.6	31.5	23.7	24.4	24.4	25.2	26.1
12H	30.2	30.9	30.9	31.6	32.5	23.9	24.6	24.6	25.3	26.2
8H 4H	26.8	27.6	27.6	28.3	29.2	23.8	24.6	24.6	25.3	26.2
6H	28.8	29.4	29.5	30.2	31.1	24.8	25.4	25.6	26.2	27.1
8H	29.9	30.4	30.7	31.2	32.2	25.2	25.8	26.0	26.6	27.5
12H	31.2	31.7	32.0	32.5	33.5	25.6	26.1	26.4	26.9	27.9
12H 4H	26.8	27.5	27.6	28.3	29.2	24.1	24.8	24.9	25.6	26.5
6H	28.8	29.4	29.6	30.2	31.1	25.3	25.9	26.1	26.7	27.6
8H	30.1	30.6	30.9	31.4	32.3	25.9	26.4	26.7	27.2	28.2
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 947.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -0.2)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-04-29

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:0.5355A P:12.85W PF:1.000 Lamp Flux:947.891x1 lm		
NAME: SF18-24V-5050-70-SPI3-3000	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022042901
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

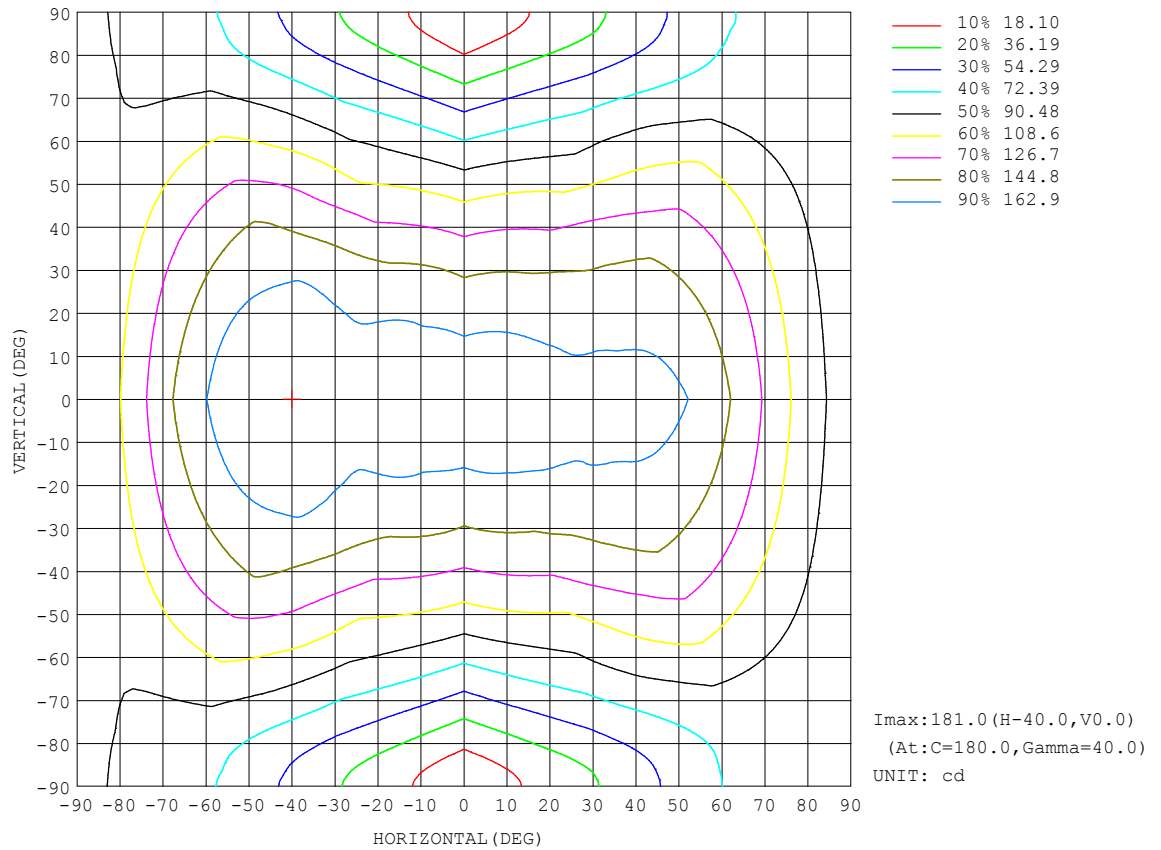
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	33	25	44	32	25	42	31	25	18
0.80	54	41	33	52	40	33	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:2022-04-29

$\gamma$  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:0.5355A P:12.85W PF:1.000 Lamp Flux:947.891x1 lm		
NAME: SF18-24V-5050-70-SPI3-3000	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022042901
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

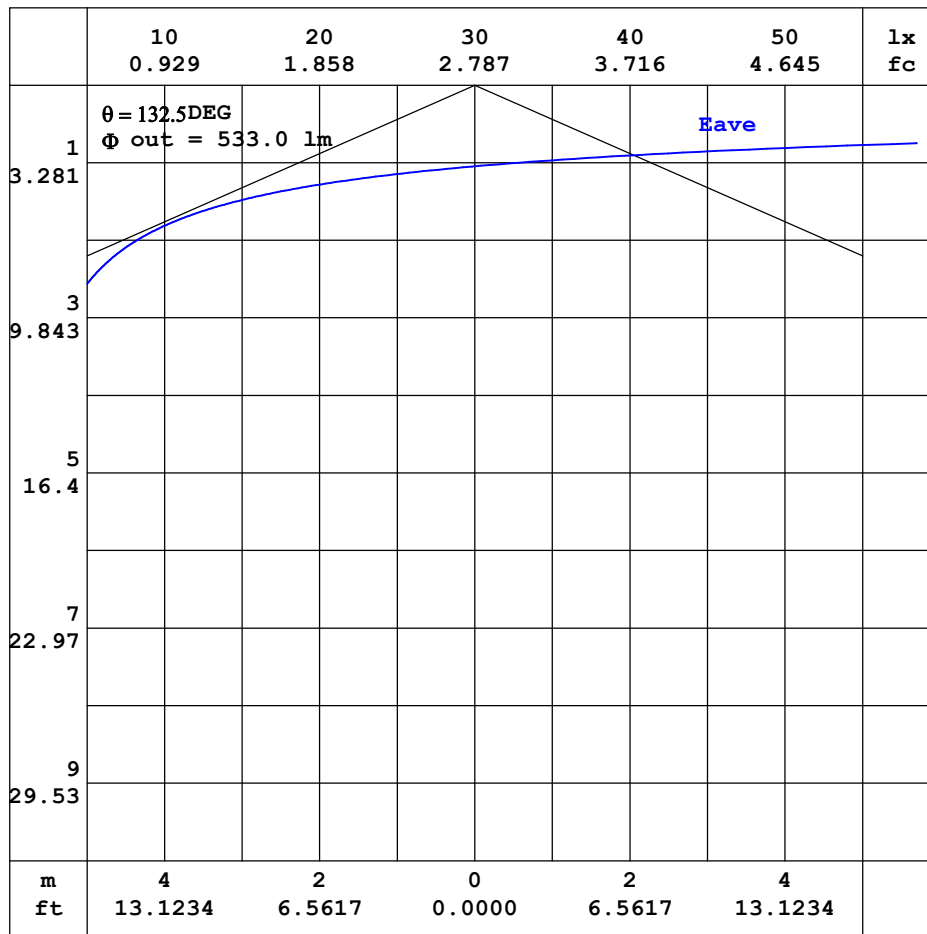


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-04-29

$\gamma$  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:0.5355A P:12.85W PF:1.000 Lamp Flux:947.891x1 lm		
NAME: SF18-24V-5050-70-SPI3-3000	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022042901
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.

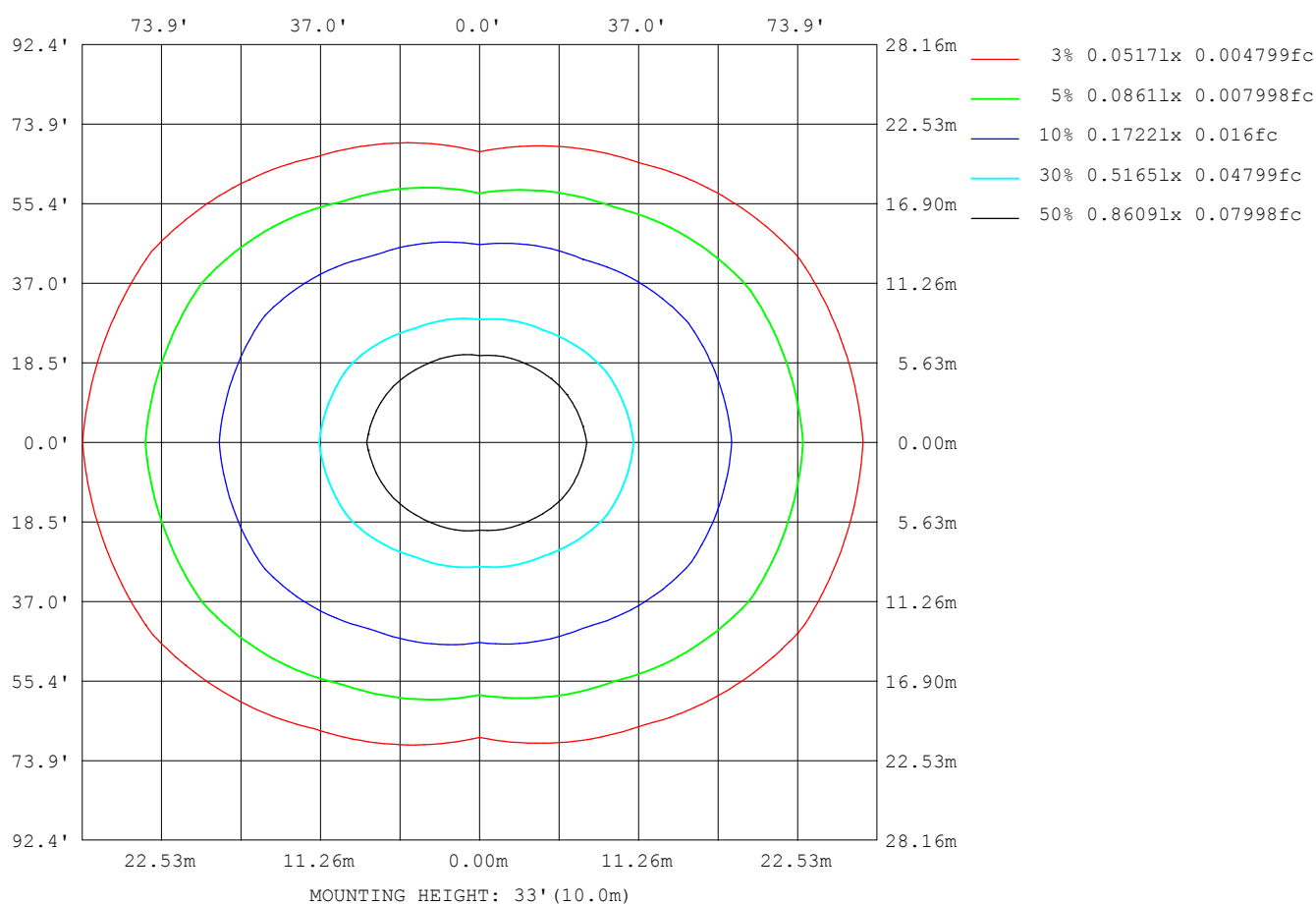
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: HXJ  
Test Date: 2022-04-29

$\gamma$  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:



## ISOLUX DIAGRAM

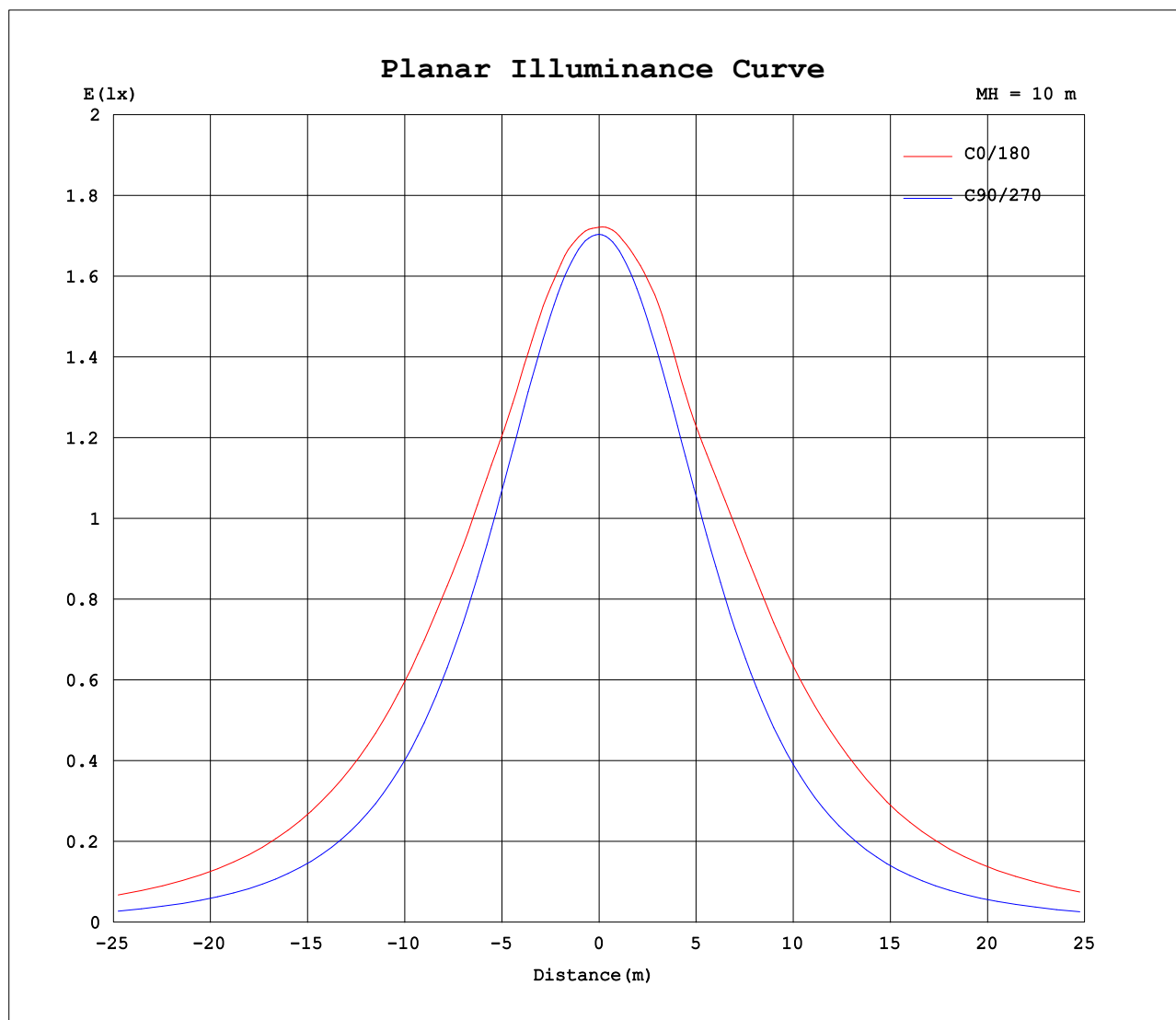
Test:U:24.00V I:0.5355A P:12.85W PF:1.000 Lamp Flux:947.89lx1 lm		
NAME: SF18-24V-5050-70-SPI3-3000	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022042901
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-04-29

$\gamma$  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: 2022-04-29

$\gamma$  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:0.5355A P:12.85W PF:1.000 Lamp Flux:947.891x1 lm		
NAME: SF18-24V-5050-70-SPI3-3000	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022042901
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	172	172	171	170	170	169	172	172	171	170	170	169							
5	173	172	171	170	170	170	173	172	171	169	169	170							
10	173	172	169	168	168	170	173	171	169	167	168	169							
15	172	170	167	164	166	170	175	172	166	162	165	167							
20	170	168	162	158	163	170	174	171	162	157	161	165							
25	168	165	157	152	159	166	171	167	159	150	155	162							
30	170	162	151	144	154	163	174	164	154	142	149	159							
35	170	161	144	135	146	164	179	165	145	132	141	157							
40	171	158	136	125	137	165	181	165	136	122	133	154							
45	169	156	127	114	128	164	180	164	127	111	124	152							
50	165	151	117	102	119	159	179	159	118	98.6	114	147							
55	159	145	105	89.2	108	153	173	153	107	86.0	102	141							
60	149	136	95.2	76.1	99.1	146	162	145	97.8	72.7	91.7	132							
65	138	126	86.0	62.4	89.4	134	151	134	87.9	59.1	82.4	122							
70	125	114	74.9	48.3	77.8	121	139	121	76.7	45.3	71.7	111							
75	111	98.6	62.8	34.2	65.8	107	123	107	64.9	31.5	60.0	95.8							
80	98.9	85.1	50.5	21.3	53.7	91.8	108	92.1	53.2	18.5	47.9	82.8							
85	89.7	75.2	39.5	10.1	43.0	80.2	97.4	80.5	42.6	7.89	37.3	73.1							
90	88.2	72.3	34.5	4.94	38.0	75.2	95.1	75.6	37.2	3.47	32.3	70.5							
95	91.6	74.7	34.2	5.05	36.3	77.3	97.0	77.6	35.8	3.57	32.3	73.0							
100	92.4	76.5	28.7	5.07	34.9	81.0	96.4	81.3	34.3	3.61	27.4	74.6							
105	91.2	70.7	26.3	5.06	34.0	81.4	96.4	81.8	33.6	3.68	25.4	71.6							
110	86.4	64.4	25.7	4.98	34.0	77.6	95.8	78.0	33.7	3.69	25.2	66.5							
115	82.2	60.4	24.5	4.87	33.5	71.5	90.7	71.9	33.3	3.71	25.3	61.7							
120	76.0	55.3	20.3	4.83	31.0	65.4	83.1	65.8	31.0	3.73	23.9	56.8							
125	68.4	50.7	18.5	4.83	27.8	59.9	74.7	60.2	27.9	3.77	20.4	49.3							
130	59.5	44.9	16.1	4.79	24.1	53.5	66.5	53.8	24.1	3.89	16.8	44.3							
135	51.5	36.7	13.3	4.72	20.6	46.6	57.9	46.6	20.5	4.02	14.3	37.0							
140	43.6	27.3	11.6	4.62	17.4	39.3	48.8	39.0	17.2	4.10	11.9	28.7							
145	34.9	16.5	10.0	4.61	14.5	31.4	39.7	31.0	14.4	4.19	9.98	21.5							
150	26.7	14.8	8.23	4.61	11.5	24.8	30.7	24.6	11.5	4.23	7.92	16.2							
155	20.4	11.8	6.93	4.60	9.21	19.5	23.6	19.2	9.14	4.35	6.56	12.6							
160	15.4	9.15	5.97	4.61	7.66	14.4	17.7	14.2	7.53	4.46	5.67	8.88							
165	9.68	6.68	5.28	4.66	6.32	9.78	11.4	9.56	6.20	4.54	5.11	6.31							
170	5.45	5.47	5.08	4.73	5.82	7.00	6.16	6.85	5.67	4.62	4.93	5.36							
175	4.91	5.01	4.88	4.77	5.62	5.83	5.26	5.85	5.52	4.70	4.78	4.97							
180	4.77	4.96	4.84	4.80	4.91	4.96	4.84	5.00	4.91	4.75	4.87	4.93							

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-04-29

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	172.2	171.5	171.0	170.4	170.0	169.4	172.2	171.5	171.0	170.4
3.0	172.3	171.6	170.8	170.2	170.1	169.8	172.6	171.7	170.9	170.0
6.0	172.6	171.8	170.5	169.4	169.7	169.8	172.8	171.8	170.4	169.0
9.0	172.9	171.7	169.6	168.1	168.9	169.7	173.1	171.4	169.5	167.4
12.0	172.3	171.3	168.2	166.2	167.4	169.7	173.8	171.3	167.9	165.2
15.0	172.1	170.1	166.5	163.7	165.7	170.1	174.7	171.5	166.0	162.5
18.0	171.0	169.4	164.4	160.6	163.7	170.4	174.9	171.7	164.0	159.3
21.0	169.8	167.6	161.5	157.2	162.0	169.2	173.3	170.4	161.9	155.6
24.0	168.4	165.8	158.5	153.2	160.0	166.8	171.7	167.8	159.7	151.4
27.0	168.5	163.5	155.2	148.8	157.6	164.4	172.0	165.4	157.1	146.9
30.0	169.5	161.9	151.2	143.9	154.1	163.3	174.4	164.1	153.7	141.8
33.0	169.6	161.5	146.9	138.7	149.4	163.8	177.0	164.5	148.9	136.2
36.0	169.8	160.2	142.5	133.0	144.3	164.3	179.4	164.9	143.7	130.3
39.0	170.7	158.1	137.4	127.0	139.1	165.0	180.8	165.3	138.2	124.1
42.0	170.2	157.0	132.2	120.5	133.7	164.8	180.8	165.2	132.6	117.5
45.0	168.9	155.6	126.7	113.7	128.4	163.8	179.6	163.9	127.1	110.7
48.0	166.9	153.2	120.9	106.7	122.9	161.2	179.1	161.2	121.6	103.5
51.0	164.1	150.3	114.5	99.29	116.8	158.1	178.0	158.0	115.4	96.12
54.0	160.7	146.3	107.5	91.80	110.5	154.5	174.7	154.5	109.1	88.58
57.0	155.7	141.3	101.2	84.10	104.5	150.6	168.9	150.7	103.1	80.74
60.0	149.3	135.7	95.25	76.13	99.12	145.6	162.4	145.5	97.75	72.71
63.0	142.5	129.8	89.83	67.94	93.43	138.7	155.3	138.8	92.09	64.70
66.0	135.5	123.5	83.99	59.65	87.15	131.5	148.6	131.4	85.77	56.41
69.0	127.5	116.5	77.19	51.14	80.19	123.6	141.5	123.5	78.96	47.98
72.0	119.4	107.8	70.21	42.54	73.00	115.8	132.4	115.9	71.95	39.73
75.0	111.5	98.58	62.75	34.17	65.77	107.1	122.9	107.1	64.91	31.47
78.0	103.7	90.05	55.34	26.08	58.55	97.62	113.8	97.79	58.01	23.42
81.0	96.68	82.74	48.11	19.00	51.32	89.11	105.6	89.42	50.87	16.06
84.0	90.87	76.69	41.33	12.00	44.91	82.03	98.98	82.30	44.49	9.760
87.0	89.04	73.47	36.43	6.907	40.07	77.80	96.14	78.07	39.55	4.982
90.0	88.17	72.31	34.47	4.936	37.97	75.24	95.12	75.64	37.22	3.468
93.0	90.43	73.67	34.55	5.035	36.92	76.21	96.65	76.39	36.43	3.518
96.0	91.94	75.12	32.70	5.062	36.08	77.96	96.96	78.31	35.47	3.580
99.0	92.39	76.78	29.53	5.067	35.09	80.32	96.55	80.65	34.65	3.600
102.0	92.43	75.24	27.58	5.073	34.42	81.77	96.25	81.96	33.95	3.618
105.0	91.19	70.65	26.28	5.061	33.96	81.41	96.37	81.76	33.60	3.684
108.0	87.83	66.47	25.68	5.021	33.85	79.38	96.51	79.83	33.58	3.684
111.0	85.73	63.60	25.54	4.955	34.02	76.64	95.11	77.04	33.75	3.696
114.0	83.19	61.19	24.51	4.895	33.79	73.01	92.04	73.34	33.64	3.709
117.0	79.89	58.52	21.83	4.855	32.66	68.71	87.70	69.23	32.52	3.721
120.0	75.97	55.28	20.30	4.830	31.02	65.42	83.05	65.84	30.99	3.734
123.0	71.57	52.65	19.60	4.830	29.27	62.28	77.87	62.56	29.29	3.744
126.0	66.76	49.65	18.38	4.830	27.11	58.58	73.22	58.99	27.09	3.809
129.0	61.35	46.13	16.67	4.809	24.87	54.88	68.17	55.13	24.84	3.875
132.0	56.25	42.22	14.98	4.779	22.64	50.91	63.01	51.02	22.61	3.955
135.0	51.45	36.69	13.26	4.724	20.60	46.59	57.91	46.61	20.49	4.015
138.0	46.72	30.55	12.20	4.664	18.63	42.12	52.45	42.08	18.45	4.081
141.0	42.01	26.01	11.32	4.619	16.87	37.54	47.04	37.37	16.64	4.136
144.0	36.78	18.90	10.35	4.615	15.15	32.87	41.67	32.61	15.03	4.156
147.0	31.69	15.45	9.452	4.611	13.24	28.54	36.05	28.23	13.21	4.211
150.0	26.73	14.79	8.231	4.607	11.49	24.80	30.68	24.55	11.46	4.232
153.0	22.93	12.75	7.331	4.603	9.941	21.44	26.29	21.26	9.891	4.307
156.0	19.51	11.51	6.737	4.599	8.859	18.50	22.35	18.17	8.786	4.372
159.0	16.51	9.755	6.158	4.599	7.954	15.47	18.77	15.25	7.837	4.448
162.0	12.08	8.006	5.596	4.619	7.095	12.33	15.25	12.08	6.987	4.478
165.0	9.677	6.677	5.283	4.659	6.325	9.780	11.35	9.555	6.205	4.538
168.0	7.377	5.833	5.177	4.704	5.977	8.022	8.812	7.865	5.829	4.583
171.0	5.214	5.336	5.031	4.734	5.775	6.505	5.867	6.436	5.629	4.629
174.0	4.936	5.080	4.910	4.764	5.675	5.910	5.287	5.896	5.573	4.659
177.0	4.840	4.900	4.805	4.790	5.419	5.698	5.191	5.715	5.361	4.714
180.0	4.774	4.960	4.840	4.805	4.905	4.955	4.845	4.996	4.905	4.754
G/C	300.0	330.0								
0.0	170.0	169.4								
3.0	169.7	169.4								
6.0	169.1	169.5								
9.0	168.2	169.3								
12.0	166.8	168.8								
15.0	165.0	167.4								
18.0	162.8	166.6								
21.0	159.6	164.6								
24.0	156.3	162.7								
27.0	152.9	160.5								
30.0	149.0	158.8								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: HXJ  
 Test Date: 2022-04-29

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:

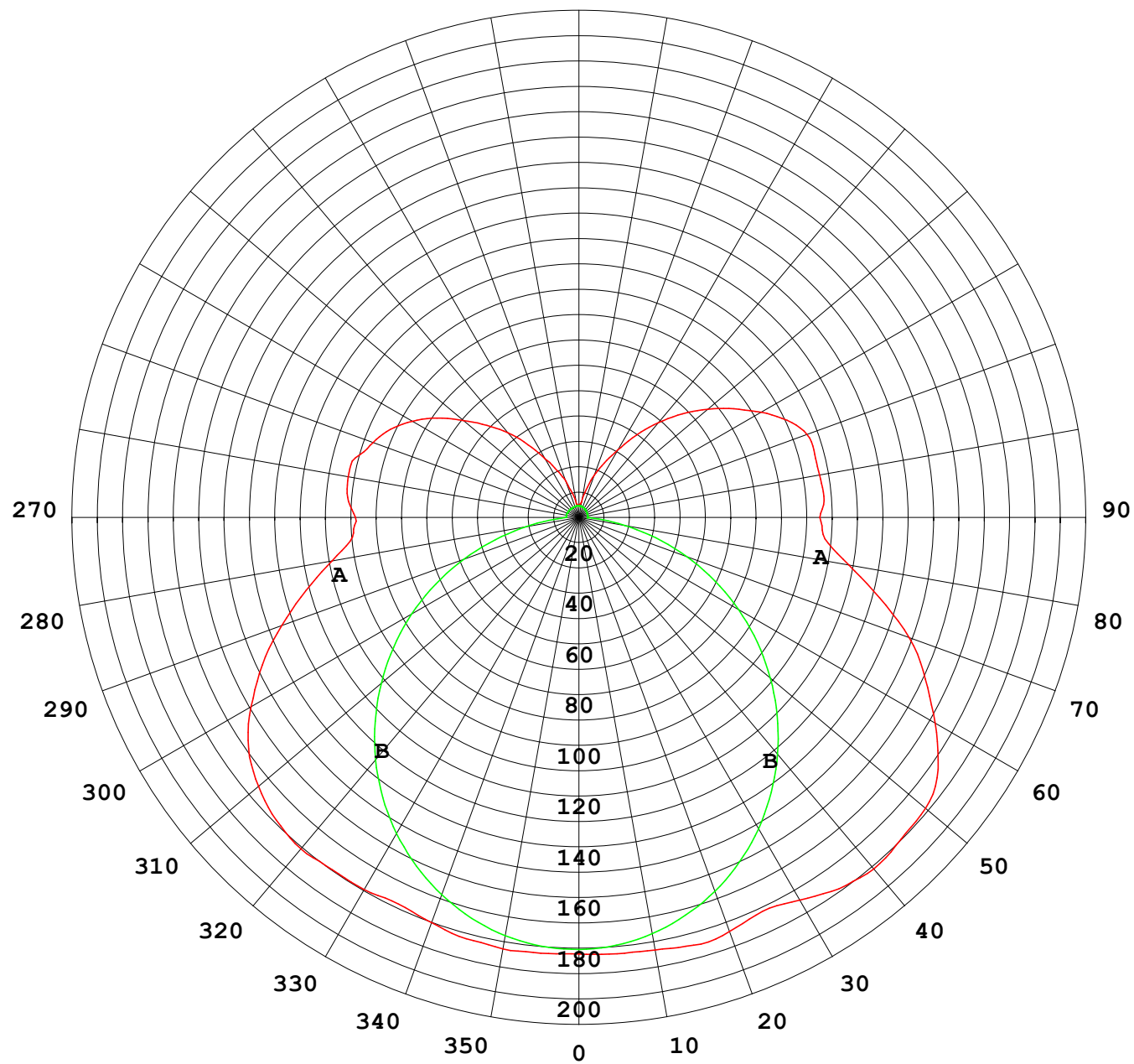
## Photometric Data Table [cd]

33.0	144.5	158.3
36.0	139.9	156.8
39.0	134.9	154.5
42.0	129.2	153.2
45.0	123.5	151.9
48.0	117.8	149.3
51.0	111.3	146.2
54.0	104.2	142.3
57.0	97.59	137.1
60.0	91.68	131.8
63.0	86.07	126.2
66.0	80.38	119.9
69.0	73.84	113.1
72.0	67.07	104.8
75.0	60.05	95.82
78.0	52.77	87.63
81.0	45.58	80.51
84.0	39.04	74.60
87.0	34.31	71.64
90.0	32.31	70.49
93.0	32.52	72.00
96.0	30.28	73.45
99.0	28.14	74.73
102.0	26.51	73.84
105.0	25.42	71.57
108.0	24.83	69.30
111.0	25.26	65.94
114.0	25.11	62.44
117.0	25.15	59.48
120.0	23.92	56.81
123.0	21.81	52.80
126.0	19.36	47.69
129.0	17.64	44.67
132.0	15.84	42.08
135.0	14.30	36.99
138.0	12.85	31.84
141.0	11.42	27.14
144.0	10.27	22.95
147.0	9.227	19.14
150.0	7.916	16.19
153.0	6.878	13.89
156.0	6.386	11.92
159.0	5.853	9.651
162.0	5.336	7.680
165.0	5.106	6.306
168.0	5.015	5.635
171.0	4.875	5.263
174.0	4.789	5.031
177.0	4.724	4.900
180.0	4.870	4.925

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-04-29

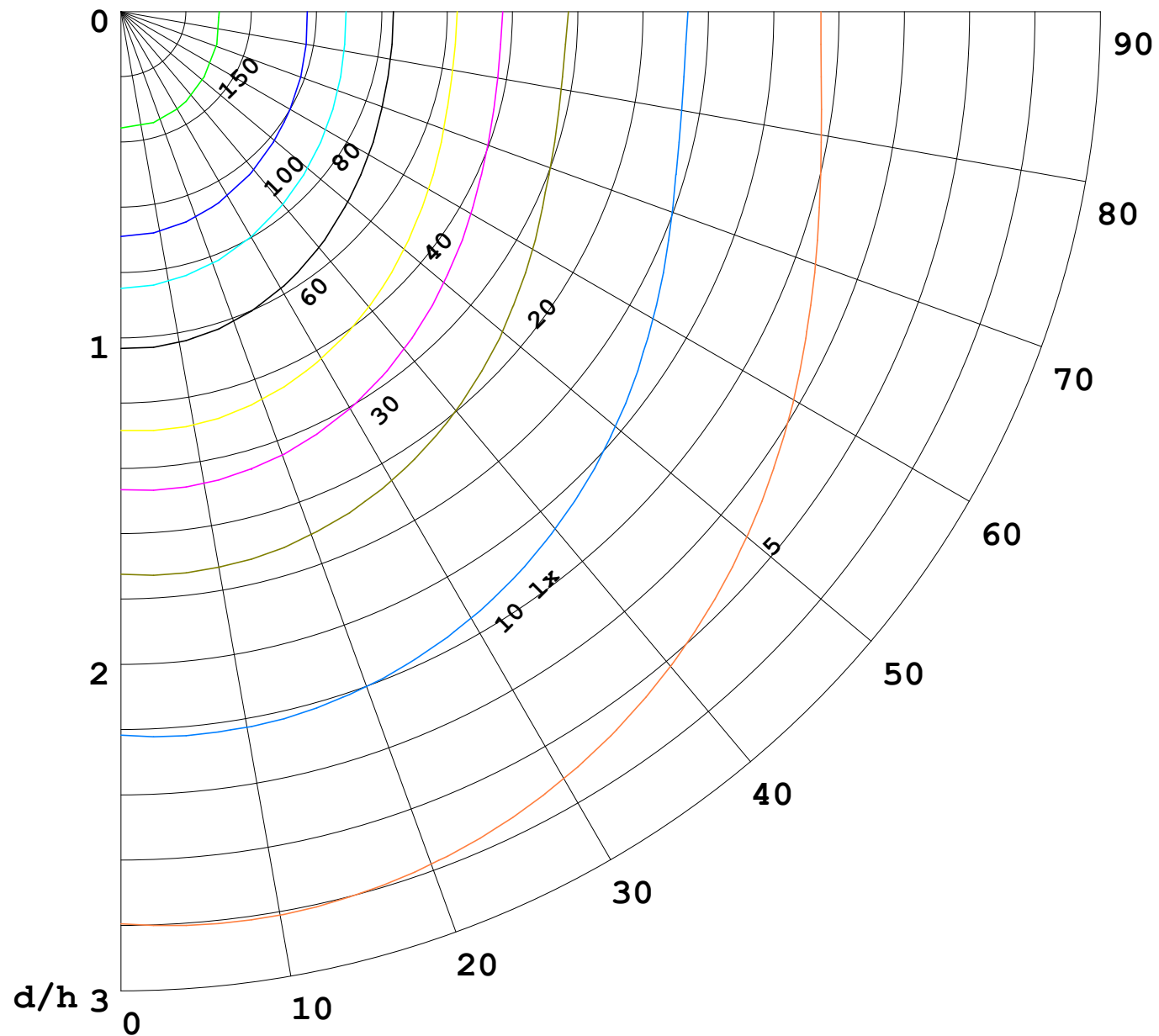
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

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

