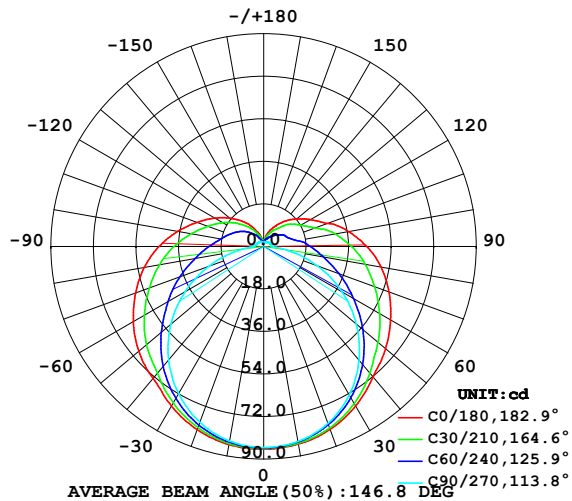


## LUMINAIRE PHOTOMETRIC TEST REPORT

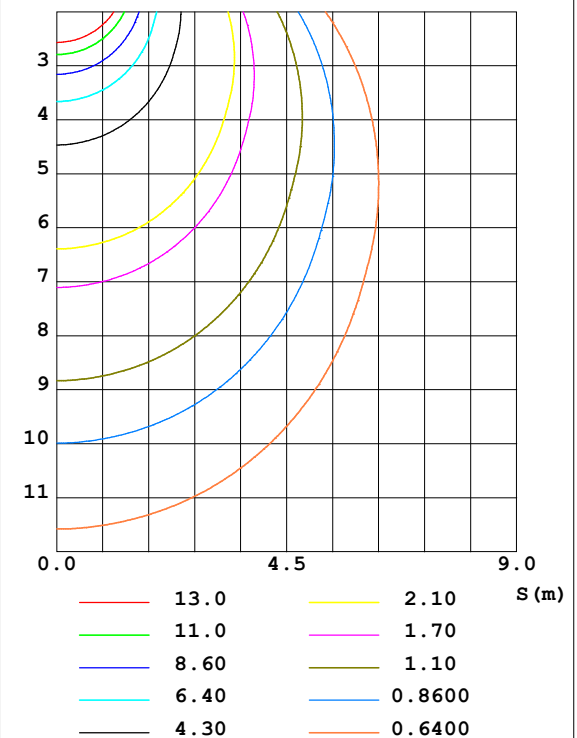
Test:U:24.00V I:0.5842A P:14.02W PF:1.000 Lamp Flux:421.865x1 lm		
NAME: SF21-24-5050-72-U2-4000K	TYPE: 硅胶	WEIGHT:
DIM.: 28mm*11.5mm	SPEC.:	SERIAL No.:202206230
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 30.09 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	85.80	S/MH (C0/180)	1.36
NOMINAL POWER (W)	13	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	421.87	η UP, DN (C0-180)	10.8, 39.1
NOMINAL FLUX (lm)	421.865	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	10.8, 39.3
LAMPS INSIDE	1	η up (%)	21.6	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24.0	η down (%)	78.4	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



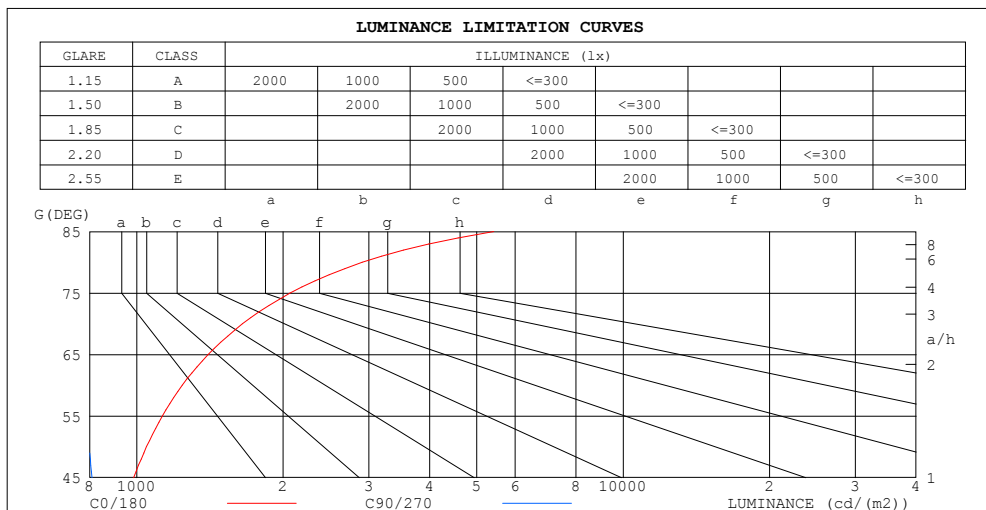
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: HXJ  
Test Date: 2022-06-30

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	84.91	84.26	83.81	84.02	85.12	84.37	83.56	83.52	0- 10	8.083	8.083	1.92,1.92
20	82.36	80.98	79.64	80.82	82.47	80.95	79.11	80.13	10- 20	23.38	31.46	7.46,7.46
30	77.93	75.30	72.54	75.25	78.04	75.41	71.94	74.50	20- 30	36.08	67.55	16,16
40	72.04	67.54	62.81	67.58	72.90	68.11	62.58	66.88	30- 40	44.78	112.3	26.6,26.6
50	67.34	59.03	51.23	59.90	69.01	60.64	51.25	58.49	40- 50	49.15	161.5	38.3,38.3
60	62.00	50.24	38.28	51.78	63.68	52.58	38.34	49.81	50- 60	49.52	211.0	50,50
70	56.42	41.96	24.34	43.91	57.71	44.64	24.73	41.72	60- 70	46.22	257.2	61,61
80	50.48	34.68	10.93	36.39	51.32	37.11	11.69	34.37	70- 80	40.31	297.5	70.5,70.5
90	43.61	28.47	3.497	30.03	44.30	30.57	4.213	28.06	80- 90	33.40	330.9	78.4,78.4
100	36.56	22.70	3.181	24.30	37.03	24.88	3.715	22.01	90-100	27.23	358.1	84.9,84.9
110	28.65	16.94	3.051	19.51	30.02	20.24	3.312	15.75	100-110	21.04	379.2	89.9,89.9
120	22.84	13.98	2.915	15.53	24.10	16.36	3.086	13.46	110-120	15.74	394.9	93.6,93.6
130	18.22	11.23	2.694	12.00	18.72	12.65	2.850	10.67	120-130	11.50	406.4	96.3,96.3
140	14.05	8.267	2.422	8.586	13.94	9.114	2.644	7.495	130-140	7.627	414.0	98.1,98.1
150	10.11	6.138	2.040	5.912	9.503	6.053	2.423	4.938	140-150	4.465	418.5	99.2,99.2
160	6.758	4.344	2.005	3.786	5.767	3.662	2.071	3.172	150-160	2.231	420.7	99.7,99.7
170	3.419	3.076	2.030	2.341	2.381	2.253	1.953	2.368	160-170	0.9066	421.7	99.9,99.9
180	2.131	2.113	2.035	2.051	2.086	2.101	1.995	2.073	170-180	0.2215	421.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5414	644
80	2907	629
75	2067	671
70	1650	712
65	1402	743
60	1240	766
55	1129	783
50	1048	797
45	986	809

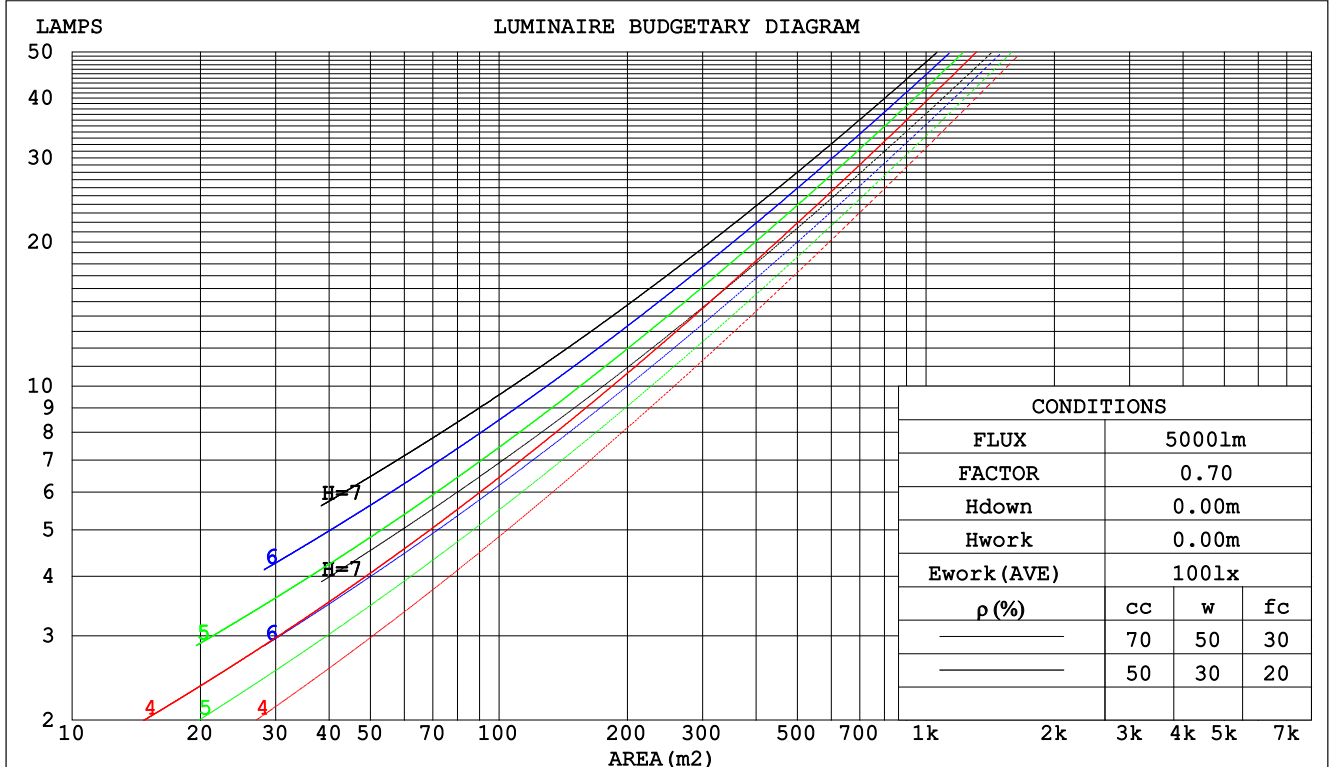
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-06-30

$\gamma$  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:0.5842A P:14.02W PF:1.000 Lamp Flux:421.865x1 lm		
NAME: SF21-24-5050-72-U2-4000K	TYPE: 硅胶	WEIGHT:
DIM.: 28mm*11.5mm	SPEC.:	SERIAL No.:202206230
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			Coefficients of Utilization(CU)												
0.0	1.14	1.14	1.14	1.09	1.09	1.09	.99	.99	.99	.90	.90	.90	.82	.82	.82	.78
1.0	.95	.89	.84	.90	.85	.81	.82	.78	.74	.74	.71	.68	.67	.65	.62	.59
2.0	.81	.73	.66	.77	.70	.64	.70	.64	.59	.63	.58	.54	.57	.53	.50	.47
3.0	.70	.61	.54	.67	.58	.52	.61	.54	.48	.55	.49	.45	.50	.45	.41	.38
4.0	.61	.52	.45	.59	.50	.43	.53	.46	.40	.48	.42	.37	.44	.39	.35	.32
5.0	.54	.45	.38	.52	.43	.37	.47	.40	.34	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.39	.33	.47	.38	.32	.43	.35	.30	.39	.33	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.42	.34	.28	.39	.31	.26	.35	.29	.24	.32	.27	.23	.20
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.32	.26	.22	.29	.24	.20	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.21	.30	.24	.19	.27	.22	.18	.16
10.0	.33	.25	.20	.32	.25	.20	.30	.23	.19	.27	.22	.17	.25	.20	.16	.14



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-06-30

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:

### WEC AND CCEC

Test:U:24.00V I:0.5842A P:14.02W PF:1.000 Lamp Flux:421.865x1 lm		
NAME: SF21-24-5050-72-U2-4000K	TYPE: 硅胶	WEIGHT:
DIM.: 28mm*11.5mm	SPEC.:	SERIAL No.:202206230
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	.390	.222	.070	.376	.215	.068	.350	.201	.064	.327	.188	.060	.305	.177	.057		
2.0	.335	.184	.056	.323	.178	.055	.299	.167	.052	.278	.156	.049	.258	.146	.046		
3.0	.297	.158	.047	.286	.153	.046	.264	.143	.044	.245	.134	.041	.227	.125	.039		
4.0	.267	.139	.041	.256	.134	.040	.237	.126	.038	.219	.118	.036	.203	.110	.034		
5.0	.242	.123	.036	.233	.120	.035	.215	.112	.033	.199	.105	.031	.184	.098	.029		
6.0	.222	.111	.032	.213	.108	.031	.197	.101	.029	.182	.095	.028	.168	.089	.026		
7.0	.204	.101	.029	.197	.098	.028	.182	.092	.026	.168	.086	.025	.155	.081	.024		
8.0	.189	.093	.026	.182	.090	.025	.169	.084	.024	.156	.079	.023	.144	.074	.022		
9.0	.176	.085	.024	.170	.083	.023	.157	.078	.022	.146	.073	.021	.135	.068	.020		
10.0	.165	.079	.022	.159	.077	.021	.147	.072	.020	.136	.068	.019	.126	.063	.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	.355	.355	.355	.303	.303	.303	.207	.207	.207	.119	.119	.119	.038	.038	.038	
1.0	.351	.321	.294	.301	.276	.253	.206	.190	.175	.118	.110	.102	.038	.035	.033	
2.0	.345	.298	.259	.295	.257	.224	.202	.178	.156	.117	.103	.092	.037	.033	.030	
3.0	.337	.282	.238	.289	.243	.206	.199	.169	.145	.115	.099	.085	.037	.032	.028	
4.0	.330	.270	.224	.283	.233	.195	.194	.162	.137	.112	.095	.081	.036	.031	.027	
5.0	.322	.260	.214	.276	.225	.187	.190	.157	.132	.110	.092	.078	.036	.030	.026	
6.0	.314	.252	.207	.270	.218	.181	.186	.153	.128	.108	.090	.076	.035	.029	.025	
7.0	.307	.246	.202	.264	.213	.176	.183	.149	.125	.106	.088	.074	.034	.029	.025	
8.0	.301	.240	.198	.259	.208	.173	.179	.146	.123	.104	.086	.073	.034	.028	.024	
9.0	.294	.235	.195	.254	.204	.170	.176	.144	.121	.102	.085	.072	.033	.028	.024	
10.0	.289	.231	.193	.249	.201	.168	.173	.141	.120	.101	.084	.071	.033	.027	.024	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-06-30

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:0.5842A P:14.02W PF:1.000 Lamp Flux:421.865x1 lm										
NAME: SF21-24-5050-72-U2-4000K					TYPE: 硅胶			WEIGHT:		
DIM.: 28mm*11.5mm					SPEC.:			SERIAL No.:202206230		
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	12.3	13.6	12.8	14.2	14.8	10.3	11.6	10.8	12.2	12.8
3H	15.1	16.3	15.6	16.9	17.6	11.9	13.2	12.5	13.7	14.4
4H	16.6	17.8	17.2	18.4	19.1	12.6	13.8	13.2	14.4	15.1
6H	18.4	19.5	19.0	20.1	20.9	13.2	14.3	13.8	14.9	15.6
8H	19.4	20.5	20.0	21.1	21.8	13.4	14.4	14.0	15.1	15.8
12H	20.5	21.5	21.2	22.2	22.9	13.5	14.6	14.2	15.2	15.9
4H 2H	12.8	14.0	13.4	14.6	15.3	11.4	12.5	12.0	13.1	13.8
3H	15.9	16.9	16.5	17.5	18.3	13.2	14.3	13.9	14.9	15.7
4H	17.6	18.6	18.3	19.3	20.0	14.1	15.1	14.8	15.8	16.5
6H	19.6	20.5	20.3	21.2	22.0	14.9	15.8	15.6	16.5	17.3
8H	20.7	21.5	21.4	22.2	23.0	15.2	16.0	15.9	16.7	17.6
12H	22.0	22.7	22.7	23.4	24.3	15.5	16.2	16.2	16.9	17.8
8H 4H	18.0	18.8	18.7	19.5	20.3	15.2	16.0	15.9	16.7	17.5
6H	20.3	21.0	21.0	21.7	22.6	16.4	17.0	17.1	17.8	18.6
8H	21.6	22.2	22.4	23.0	23.8	16.9	17.5	17.7	18.3	19.1
12H	23.1	23.7	23.9	24.4	25.3	17.4	17.9	18.2	18.7	19.6
12H 4H	18.0	18.7	18.7	19.5	20.3	15.6	16.3	16.3	17.1	17.9
6H	20.4	21.0	21.2	21.8	22.6	17.0	17.6	17.7	18.3	19.2
8H	21.8	22.4	22.6	23.1	24.0	17.7	18.2	18.5	19.0	19.9
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	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 421.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -3.0)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-06-30

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:0.5842A P:14.02W PF:1.000 Lamp Flux:421.865x1 lm		
NAME: SF21-24-5050-72-U2-4000K	TYPE:硅胶	WEIGHT:
DIM.: 28mm*11.5mm	SPEC.:	SERIAL No.:202206230
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

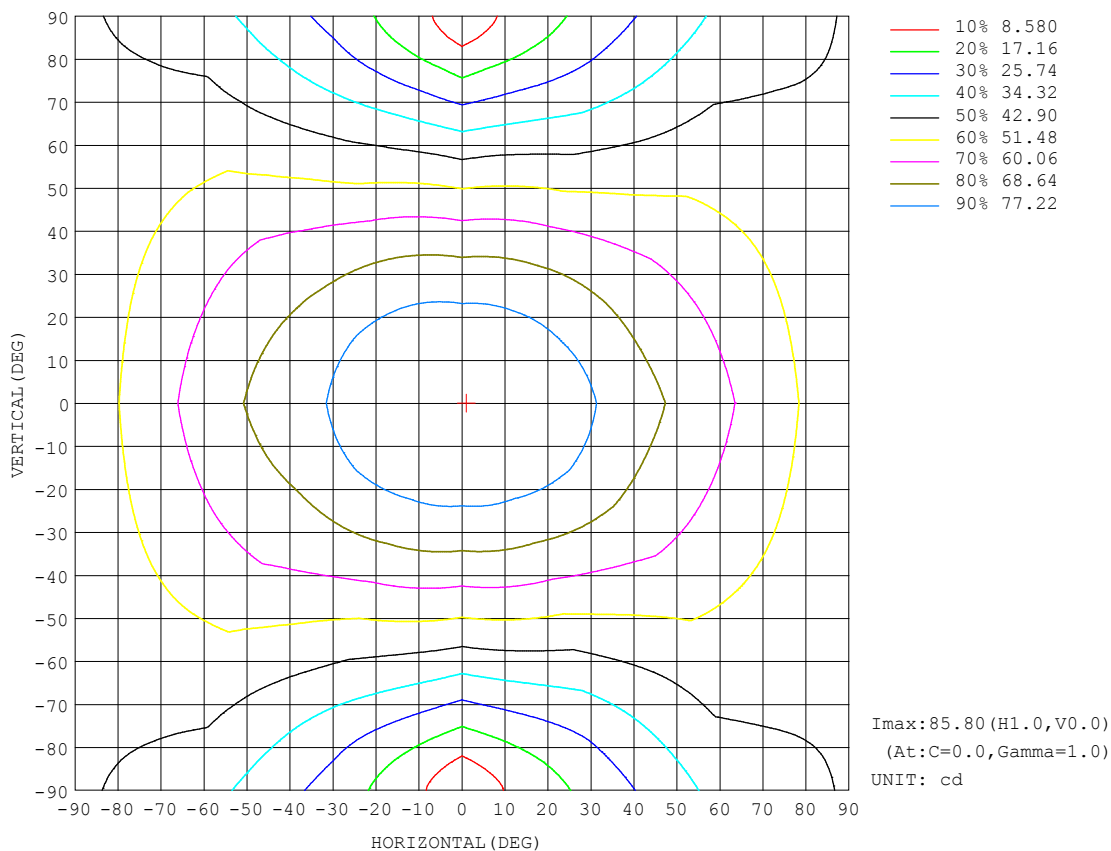
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	34	26	43	33	26	19
0.80	56	42	34	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	40	31
1.25	70	57	48	67	56	48	63	53	46	36
1.50	75	63	54	72	61	53	67	57	50	39
2.00	82	71	63	79	69	61	73	65	58	46
2.50	87	76	68	83	74	66	77	69	63	49
3.00	91	81	73	87	78	71	80	73	67	53
4.00	96	87	81	91	84	78	84	78	73	57
5.00	99	91	85	94	88	82	86	81	76	60
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:2022-06-30

$\gamma$  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:0.5842A P:14.02W PF:1.000 Lamp Flux:421.865x1 lm		
NAME: SF21-24-5050-72-U2-4000K	TYPE: 硅胶	WEIGHT:
DIM.: 28mm*11.5mm	SPEC.:	SERIAL No.:202206230
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

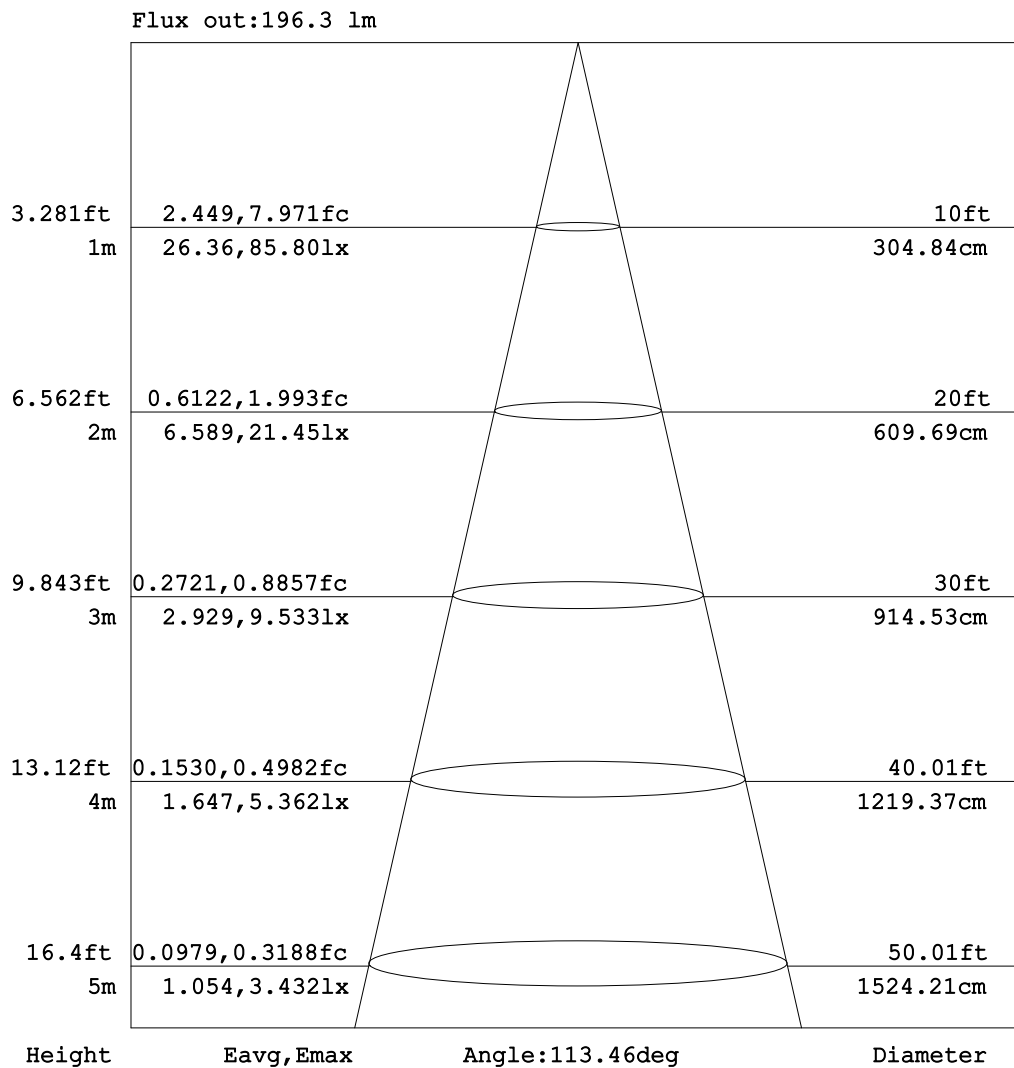


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-06-30

$\gamma$  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 Figure

Test:U:24.00V I:0.5842A P:14.02W PF:1.000 Lamp Flux:421.865x1 lm		
NAME: SF21-24-5050-72-U2-4000K	TYPE: 硅胶	WEIGHT:
DIM.: 28mm*11.5mm	SPEC.:	SERIAL No.:202206230
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.

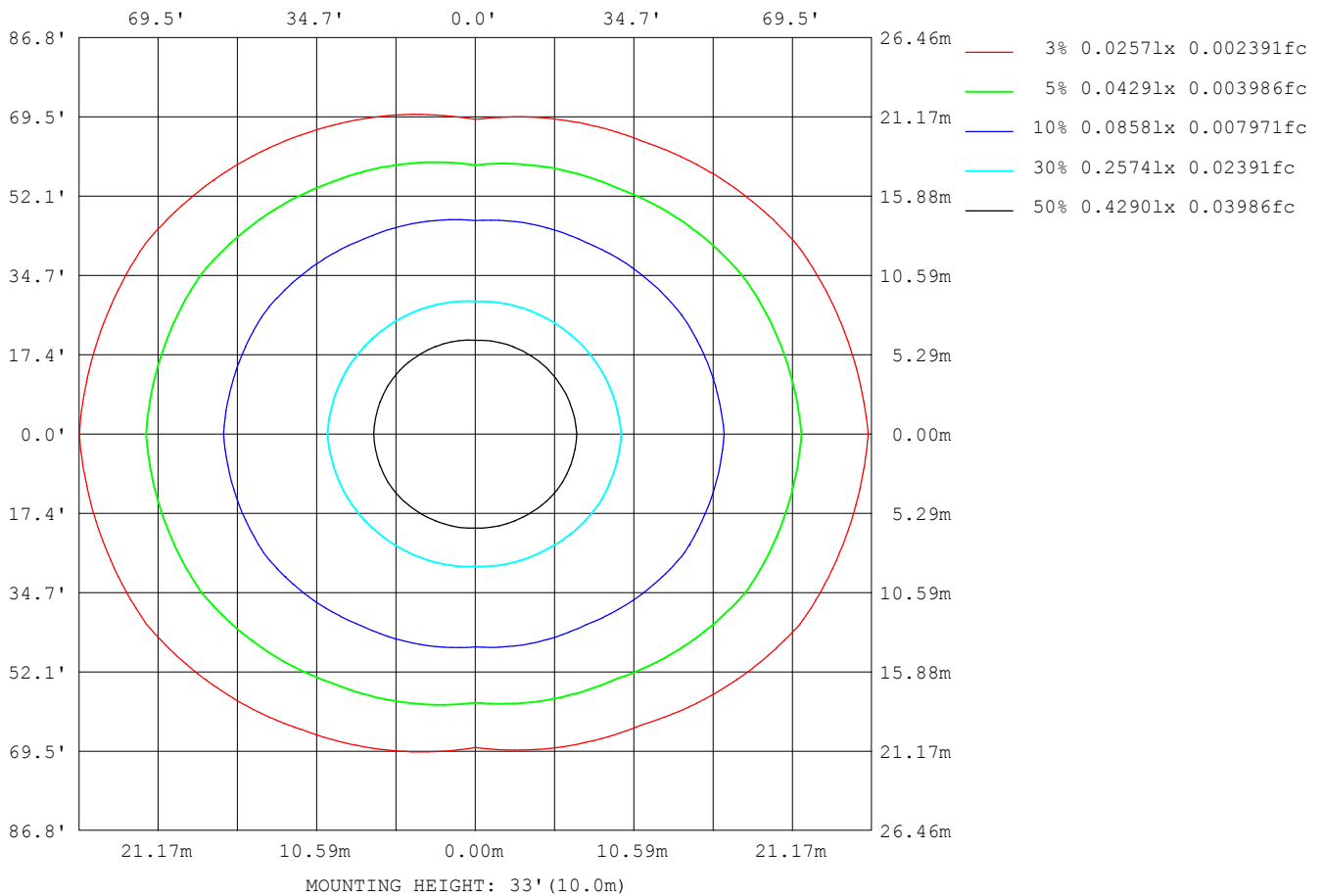
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: HXJ  
Test Date: 2022-06-30

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

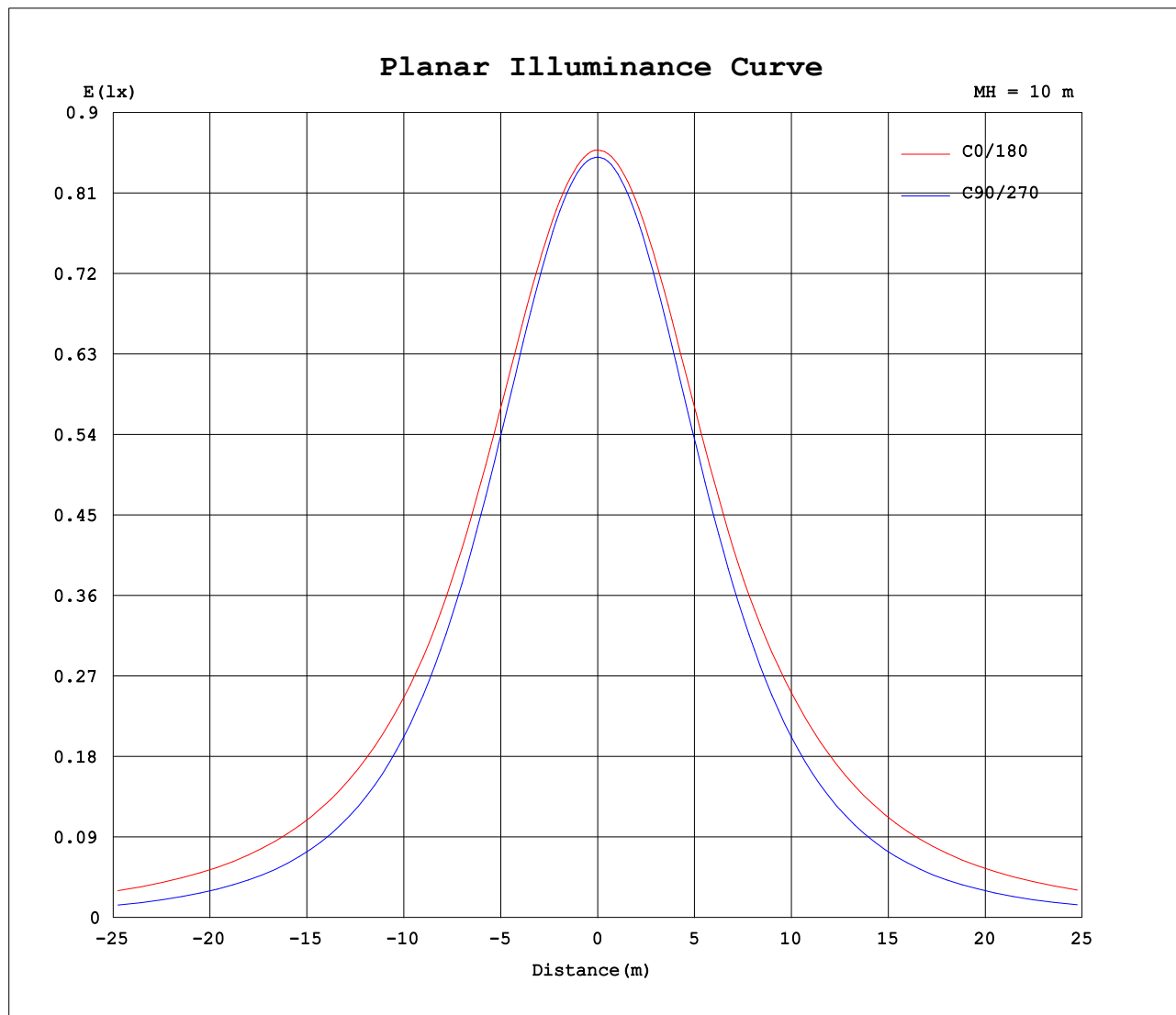
Test:U:24.00V I:0.5842A P:14.02W PF:1.000 Lamp Flux:421.865x1 lm		
NAME: SF21-24-5050-72-U2-4000K	TYPE:硅胶	WEIGHT:
DIM.: 28mm*11.5mm	SPEC.:	SERIAL No.:202206230
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-06-30

$\gamma$  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: 2022-06-30

$\gamma$  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:0.5842A P:14.02W PF:1.000 Lamp Flux:421.865x1 lm		
NAME: SF21-24-5050-72-U2-4000K	TYPE: 硅胶	WEIGHT:
DIM.: 28mm*11.5mm	SPEC.:	SERIAL No.:202206230
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	85.8	85.5	85.2	85.0	84.8	84.7	85.8	85.5	85.2	85.0	84.8	84.7							
5	85.5	85.2	84.9	84.8	84.7	84.6	85.7	85.4	85.0	84.7	84.5	84.4							
10	84.9	84.5	84.0	83.8	83.9	84.1	85.1	84.7	84.1	83.6	83.5	83.6							
15	83.9	83.4	82.4	82.1	82.4	83.0	84.0	83.4	82.6	81.7	81.9	82.4							
20	82.4	81.7	80.2	79.6	80.2	81.4	82.5	81.5	80.4	79.1	79.7	80.6							
25	80.4	79.5	77.3	76.4	77.4	79.2	80.5	79.3	77.6	75.8	76.9	78.3							
30	77.9	76.7	73.9	72.5	73.9	76.6	78.0	76.5	74.3	71.9	73.4	75.6							
35	75.1	73.5	69.7	67.9	69.9	73.4	75.2	73.4	70.5	67.5	69.5	72.3							
40	72.0	69.9	65.1	62.8	65.5	69.6	72.9	70.0	66.2	62.6	65.0	68.7							
45	69.7	66.2	60.2	57.2	60.7	66.6	71.2	67.3	61.6	57.2	60.1	65.0							
50	67.3	63.2	54.8	51.2	55.7	64.1	69.0	64.7	56.6	51.3	55.0	62.0							
55	64.7	60.0	49.3	44.9	50.4	61.1	66.5	61.6	51.4	45.0	49.6	58.7							
60	62.0	56.7	43.8	38.3	45.6	57.9	63.7	58.4	46.7	38.3	44.2	55.4							
65	59.2	53.3	38.9	31.4	41.2	54.5	60.7	55.0	42.3	31.6	39.4	52.0							
70	56.4	49.9	34.0	24.3	36.7	51.1	57.7	51.5	37.8	24.7	34.6	48.8							
75	53.5	46.8	29.5	17.4	32.2	47.9	54.6	48.1	33.4	17.9	30.1	45.7							
80	50.5	43.7	25.7	10.9	28.2	44.6	51.3	44.8	29.4	11.7	26.2	42.5							
85	47.2	40.5	22.5	5.61	25.1	41.2	47.9	41.4	26.1	6.51	22.9	39.3							
90	43.6	37.2	19.8	3.50	22.4	37.6	44.3	38.0	23.2	4.21	20.1	36.0							
95	40.1	33.9	17.6	3.24	20.0	34.1	40.7	34.5	20.6	4.01	17.9	32.8							
100	36.6	30.8	14.6	3.18	17.8	30.8	37.0	31.2	18.5	3.71	14.2	29.8							
105	33.0	27.3	12.4	3.12	16.0	27.5	33.4	28.0	16.8	3.45	11.3	25.4							
110	28.6	22.8	11.0	3.05	14.5	24.6	30.0	25.1	15.3	3.31	10.6	20.9							
115	25.5	20.3	10.4	3.00	13.0	21.9	27.0	22.6	13.9	3.20	9.93	18.9							
120	22.8	18.1	9.83	2.91	11.6	19.5	24.1	20.2	12.6	3.09	8.98	17.9							
125	20.4	16.5	8.69	2.80	10.3	17.2	21.3	17.8	11.2	2.97	8.12	16.0							
130	18.2	14.8	7.72	2.69	8.88	15.1	18.7	15.5	9.82	2.85	7.10	14.2							
135	16.1	12.7	6.80	2.59	7.21	13.1	16.3	13.2	8.47	2.75	6.27	12.2							
140	14.0	10.6	5.96	2.42	5.88	11.3	13.9	11.2	7.02	2.64	5.34	9.65							
145	12.0	9.03	5.23	2.21	4.98	9.48	11.8	9.32	5.98	2.56	4.46	7.58							
150	10.1	7.68	4.59	2.04	4.12	7.71	9.50	7.46	4.65	2.42	3.76	6.12							
155	8.35	6.40	3.90	2.00	3.33	6.18	7.15	5.78	3.45	2.22	2.91	4.74							
160	6.76	5.14	3.55	2.01	2.80	4.78	5.77	4.61	2.71	2.07	2.71	3.64							
165	5.19	3.94	3.16	2.03	2.35	3.48	3.97	3.34	2.21	1.98	2.53	2.72							
170	3.42	3.37	2.79	2.03	2.14	2.55	2.38	2.44	2.06	1.95	2.22	2.51							
175	2.77	2.74	2.49	2.03	2.08	2.12	2.12	2.11	2.04	1.96	2.13	2.37							
180	2.13	2.15	2.08	2.04	2.04	2.06	2.09	2.12	2.09	2.00	2.07	2.08							

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-06-30

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	85.80	85.48	85.22	85.01	84.85	84.72	85.80	85.48	85.22	85.01
3.0	85.69	85.36	85.15	84.94	84.86	84.72	85.78	85.49	85.15	84.93
6.0	85.43	85.10	84.81	84.63	84.64	84.58	85.61	85.28	84.85	84.51
9.0	85.06	84.70	84.23	84.05	84.14	84.25	85.28	84.86	84.31	83.84
12.0	84.57	84.14	83.44	83.23	83.41	83.74	84.75	84.21	83.54	82.93
15.0	83.90	83.43	82.42	82.09	82.43	83.01	84.04	83.35	82.56	81.71
18.0	83.04	82.45	81.19	80.71	81.20	82.15	83.16	82.37	81.32	80.30
21.0	81.99	81.34	79.69	79.07	79.71	80.99	82.10	81.10	79.88	78.52
24.0	80.80	79.95	77.97	77.13	78.00	79.74	80.89	79.79	78.23	76.58
27.0	79.44	78.42	76.05	74.94	76.10	78.24	79.54	78.23	76.35	74.41
30.0	77.93	76.73	73.86	72.54	73.93	76.58	78.04	76.53	74.29	71.94
33.0	76.26	74.83	71.45	69.85	71.61	74.77	76.40	74.71	72.07	69.45
36.0	74.49	72.82	68.85	66.92	69.09	72.76	74.57	72.71	69.64	66.52
39.0	72.65	70.71	66.07	63.86	66.44	70.41	73.26	70.69	67.10	63.66
42.0	70.96	68.45	63.17	60.63	63.64	68.18	72.23	68.83	64.39	60.50
45.0	69.69	66.19	60.16	57.22	60.75	66.63	71.16	67.34	61.56	57.17
48.0	68.32	64.40	56.99	53.70	57.75	65.14	69.93	65.81	58.57	53.66
51.0	66.84	62.61	53.72	50.03	54.68	63.55	68.54	64.09	55.55	50.04
54.0	65.28	60.69	50.40	46.21	51.49	61.73	67.03	62.35	52.45	46.35
57.0	63.65	58.73	47.05	42.37	48.35	59.91	65.42	60.29	49.47	42.41
60.0	62.00	56.67	43.81	38.28	45.61	57.95	63.68	58.42	46.74	38.34
63.0	60.34	54.60	40.84	34.13	42.97	55.86	61.90	56.24	44.08	34.50
66.0	58.69	52.59	37.86	29.94	40.27	53.83	60.12	54.23	41.40	30.18
69.0	57.02	50.60	34.93	25.71	37.59	51.81	58.30	52.21	38.66	26.22
72.0	55.25	48.62	32.14	21.50	34.88	49.82	56.47	50.15	35.99	22.06
75.0	53.50	46.77	29.49	17.37	32.17	47.86	54.58	48.10	33.36	17.94
78.0	51.71	44.91	27.08	13.37	29.67	45.94	52.65	46.20	30.94	14.34
81.0	49.85	43.05	24.97	9.760	27.53	43.94	50.65	44.12	28.74	10.52
84.0	47.87	41.16	23.07	6.485	25.69	41.90	48.58	42.07	26.72	7.503
87.0	45.75	39.17	21.33	4.172	23.99	39.86	46.47	40.08	24.87	5.197
90.0	43.61	37.17	19.77	3.497	22.41	37.64	44.30	37.96	23.18	4.213
93.0	41.48	35.22	18.41	3.267	20.95	35.58	42.14	35.89	21.62	4.066
96.0	39.36	33.29	17.22	3.221	19.53	33.47	39.96	33.88	20.19	3.961
99.0	37.24	31.45	15.22	3.191	18.24	31.41	37.75	31.83	18.91	3.780
102.0	35.16	29.67	13.59	3.176	17.08	29.41	35.57	29.86	17.82	3.589
105.0	33.03	27.33	12.36	3.121	16.04	27.51	33.42	28.04	16.84	3.453
108.0	31.00	24.56	11.44	3.081	15.09	25.71	31.35	26.27	15.93	3.367
111.0	27.89	22.41	10.94	3.035	14.18	23.97	29.39	24.60	15.06	3.287
114.0	26.03	20.64	10.48	3.015	13.28	22.37	27.52	23.07	14.21	3.227
117.0	24.39	19.31	10.24	2.955	12.41	20.83	25.77	21.66	13.38	3.156
120.0	22.84	18.14	9.832	2.915	11.59	19.46	24.10	20.15	12.57	3.086
123.0	21.38	17.05	9.150	2.849	10.77	18.08	22.44	18.72	11.78	3.011
126.0	19.99	16.16	8.426	2.769	9.994	16.78	20.82	17.36	10.98	2.945
129.0	18.66	15.07	7.903	2.714	9.176	15.53	19.23	15.92	10.16	2.870
132.0	17.35	14.06	7.305	2.653	8.306	14.32	17.71	14.55	9.240	2.810
135.0	16.09	12.69	6.797	2.593	7.206	13.13	16.26	13.22	8.466	2.749
138.0	14.85	11.44	6.279	2.512	6.340	12.02	14.85	11.92	7.570	2.684
141.0	13.64	10.22	5.817	2.362	5.701	10.94	13.49	10.88	6.797	2.624
144.0	12.28	9.281	5.369	2.226	5.158	9.883	12.19	9.728	6.209	2.568
147.0	11.27	8.426	4.977	2.121	4.601	8.727	10.95	8.562	5.526	2.513
150.0	10.11	7.682	4.595	2.040	4.118	7.707	9.503	7.461	4.646	2.423
153.0	9.085	6.893	4.073	2.006	3.565	6.792	7.930	6.300	3.837	2.297
156.0	8.020	6.104	3.835	2.000	3.213	5.893	6.832	5.575	3.275	2.186
159.0	7.045	5.371	3.629	2.000	2.896	5.044	6.043	4.852	2.838	2.101
162.0	6.200	4.691	3.398	2.020	2.594	4.273	5.236	4.113	2.486	2.031
165.0	5.186	3.939	3.162	2.027	2.348	3.476	3.967	3.339	2.206	1.980
168.0	4.255	3.608	2.926	2.029	2.172	2.898	3.042	2.741	2.071	1.951
171.0	3.288	3.235	2.725	2.031	2.126	2.396	2.291	2.323	2.059	1.955
174.0	2.901	2.859	2.539	2.033	2.096	2.131	2.139	2.131	2.047	1.958
177.0	2.539	2.547	2.303	2.035	2.066	2.061	2.071	2.091	2.035	1.965
180.0	2.131	2.146	2.081	2.035	2.040	2.061	2.086	2.116	2.086	1.995
G/C	300.0	330.0								
0.0	84.85	84.72								
3.0	84.69	84.56								
6.0	84.29	84.23								
9.0	83.71	83.80								
12.0	82.88	83.15								
15.0	81.85	82.36								
18.0	80.61	81.36								
21.0	79.14	80.14								
24.0	77.46	78.79								
27.0	75.54	77.24								
30.0	73.43	75.56								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: HXJ  
 Test Date: 2022-06-30

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:

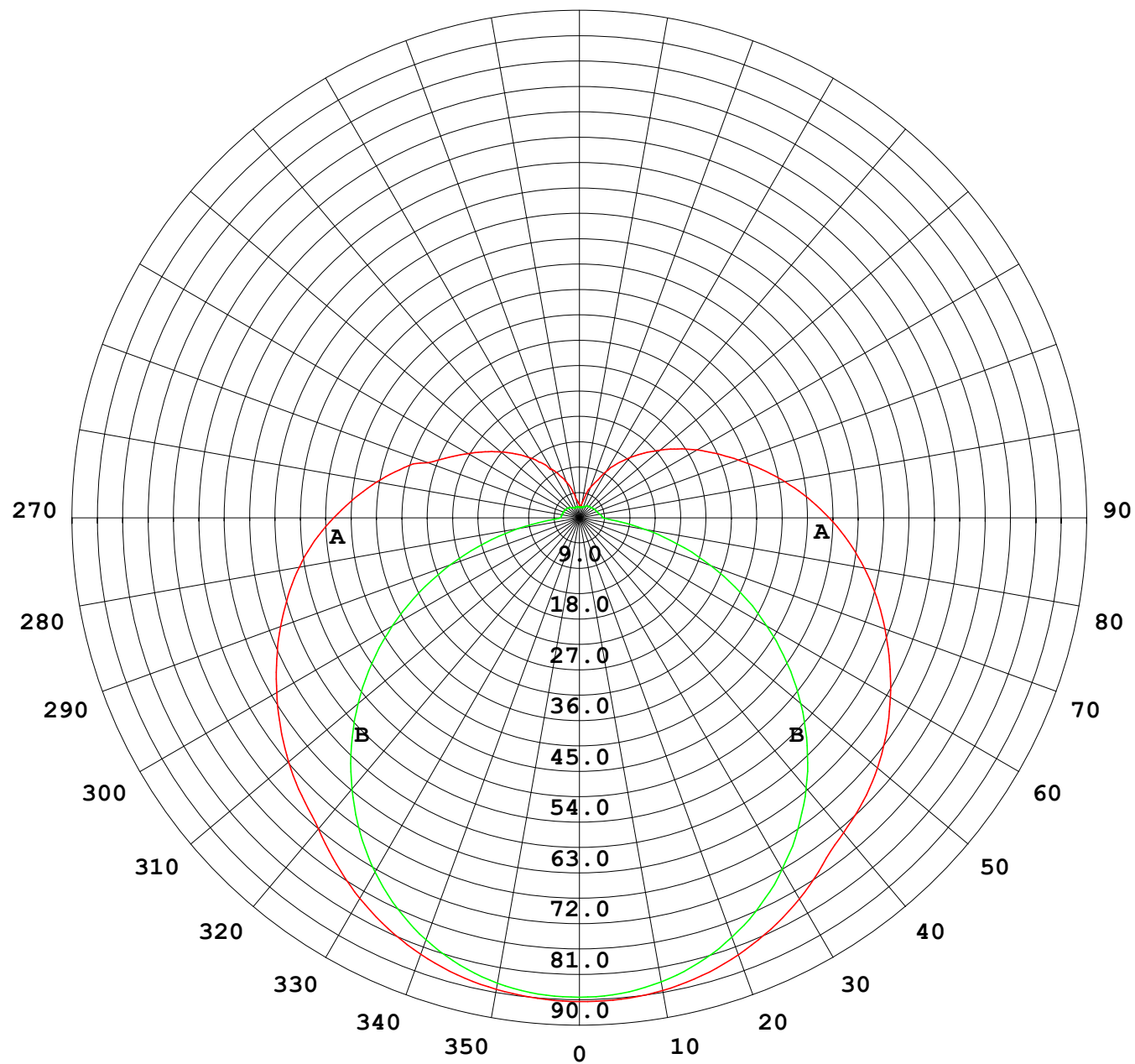
## Photometric Data Table [cd]

33.0	71.10	73.67
36.0	68.59	71.64
39.0	65.94	69.43
42.0	63.13	67.17
45.0	60.14	64.99
48.0	57.08	63.22
51.0	53.92	61.36
54.0	50.67	59.44
57.0	47.44	57.44
60.0	44.25	55.38
63.0	41.35	53.35
66.0	38.45	51.37
69.0	35.57	49.41
72.0	32.77	47.58
75.0	30.14	45.71
78.0	27.71	43.75
81.0	25.54	41.85
84.0	23.53	39.93
87.0	21.75	37.94
90.0	20.12	36.00
93.0	18.72	34.08
96.0	17.50	32.20
99.0	15.24	30.41
102.0	13.13	28.56
105.0	11.30	25.42
108.0	11.13	21.64
111.0	10.56	20.04
114.0	10.15	18.99
117.0	9.653	18.67
120.0	8.984	17.93
123.0	8.304	16.76
126.0	7.913	15.68
129.0	7.300	14.64
132.0	6.703	13.56
135.0	6.265	12.22
138.0	5.692	10.60
141.0	5.160	8.967
144.0	4.642	8.028
147.0	4.175	6.927
150.0	3.757	6.119
153.0	3.169	5.275
156.0	2.849	4.515
159.0	2.749	3.836
162.0	2.623	3.284
165.0	2.527	2.725
168.0	2.396	2.553
171.0	2.204	2.483
174.0	2.149	2.398
177.0	2.131	2.193
180.0	2.071	2.076

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-06-30

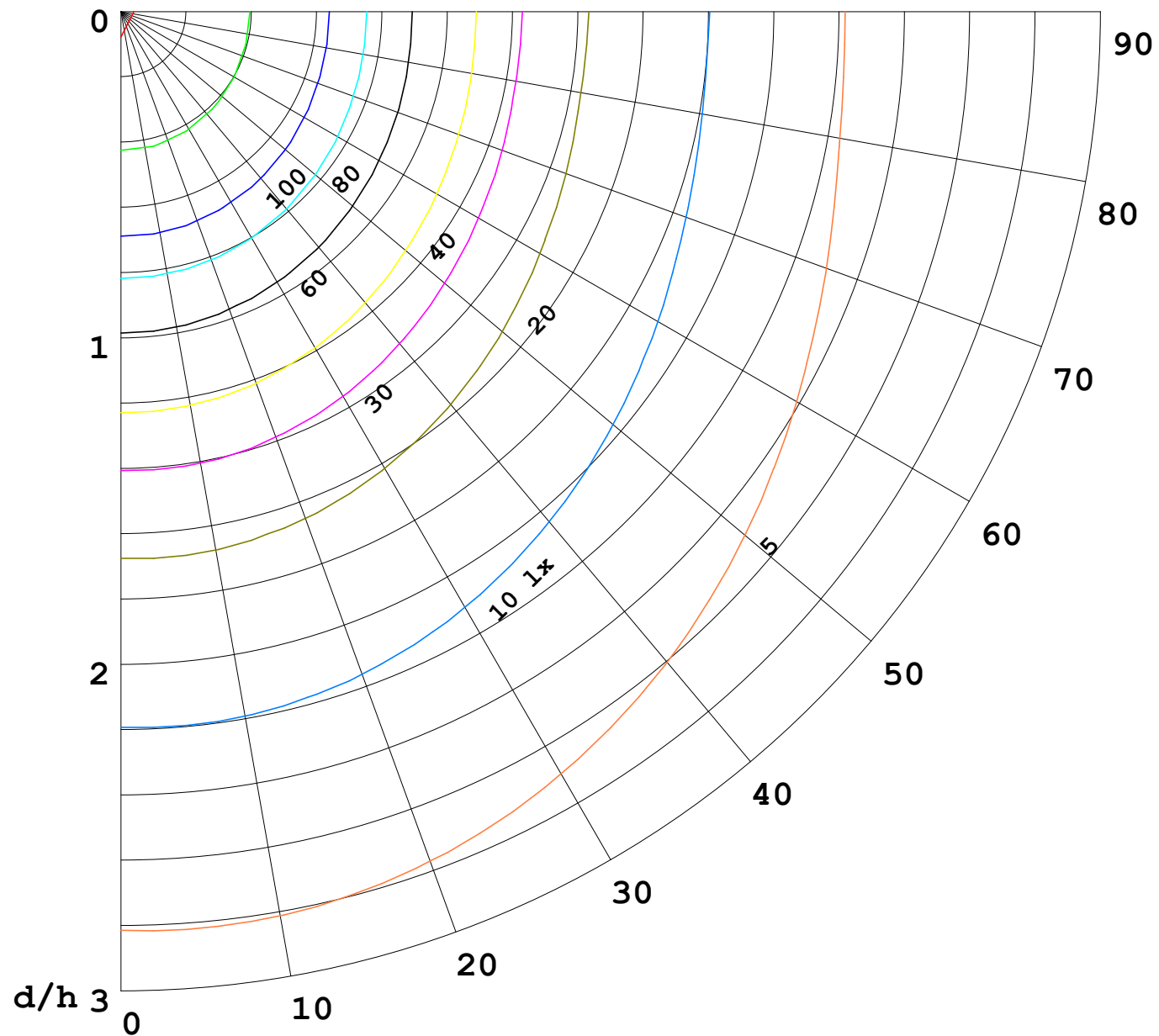
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

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

