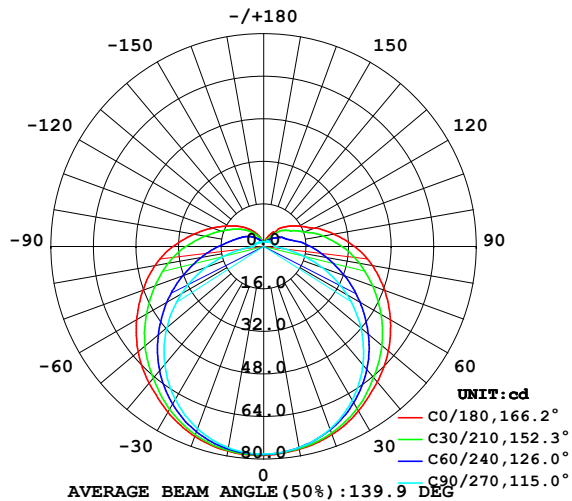


## LUMINAIRE PHOTOMETRIC TEST REPORT

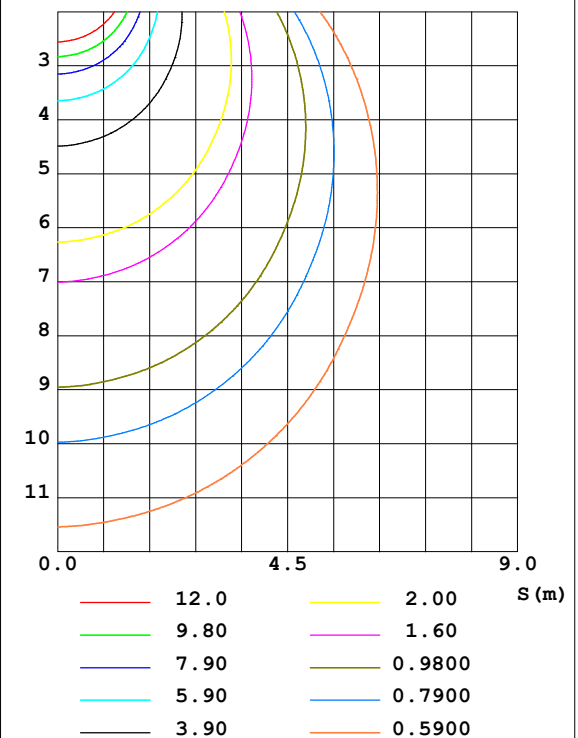
Test:U:24.00V I:0.5900A P:14.16W PF:1.000 Lamp Flux:361.99x1 lm		
NAME: SF21-24V-5050-84-2700K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311007
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 25.56 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	78.60	S/MH (C0/180)	1.36
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	361.99	η UP,DN(C0-180)	9.0,41.1
NOMINAL FLUX(lm)	361.99	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	8.9,41.0
LAMPS INSIDE	1	η up (%)	17.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down (%)	82.1	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



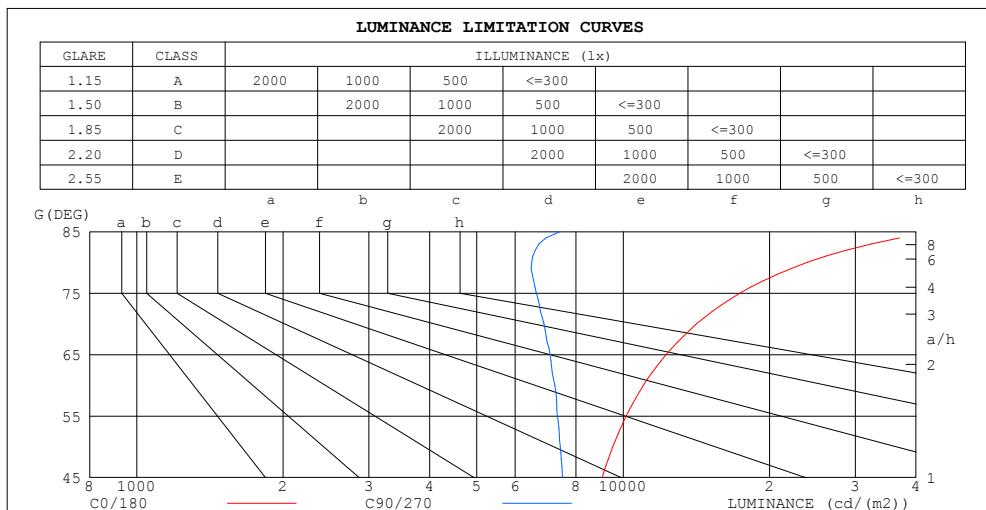
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-11-16

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	77.46	77.00	76.83	77.27	78.17	77.63	76.86	76.72	0- 10	7.416	7.416	2.05,2.05
20	75.27	74.01	73.10	74.42	75.98	74.72	72.94	73.73	10- 20	21.47	28.89	7.98,7.98
30	71.43	69.07	66.75	69.40	72.03	69.64	66.54	68.77	20- 30	33.20	62.09	17.2,17.2
40	66.50	62.37	58.12	62.55	67.08	62.77	57.93	61.99	30- 40	41.32	103.4	28.6,28.6
50	61.21	54.74	47.72	54.89	61.69	55.04	47.55	54.26	40- 50	45.32	148.7	41.1,41.1
60	55.03	46.40	36.16	46.41	55.19	46.53	35.71	45.82	50- 60	45.13	193.9	53.6,53.6
70	48.44	38.04	23.50	37.83	48.38	37.96	23.17	37.44	60- 70	41.23	235.1	64.9,64.9
80	41.52	30.30	11.27	29.99	41.52	30.12	10.95	29.69	70- 80	34.77	269.9	74.5,74.6
90	34.17	23.53	4.136	23.08	34.12	23.15	4.006	22.94	80- 90	27.41	297.3	82.1,82.1
100	26.99	17.44	3.814	17.38	26.77	17.43	3.664	17.00	90-100	20.93	318.2	87.9,87.9
110	20.09	12.41	3.528	13.35	20.46	13.35	3.227	12.36	100-110	15.36	333.6	92.1,92.1
120	15.40	9.255	3.201	10.38	15.51	10.31	2.749	9.491	110-120	10.98	344.5	95.2,95.2
130	11.87	7.225	2.844	7.895	11.77	7.813	2.438	7.026	120-130	7.654	352.2	97.3,97.3
140	8.688	4.794	2.533	5.717	8.595	5.607	2.191	4.800	130-140	4.938	357.1	98.7,98.7
150	5.521	2.855	2.221	3.802	5.656	3.707	1.990	3.239	140-150	2.761	359.9	99.4,99.4
160	3.234	2.060	1.884	2.397	3.259	2.272	1.799	2.139	150-160	1.358	361.3	99.8,99.8
170	1.850	1.804	1.764	1.802	1.784	1.762	1.699	1.762	160-170	0.5671	361.8	100,100
180	1.834	1.804	1.769	1.802	1.814	1.797	1.734	1.774	170-180	0.1703	362.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	43518	7425
80	23913	6489
75	17388	6628
70	14163	6872
65	12253	7078
60	11007	7233
55	10149	7325
50	9523	7424
45	9051	7506

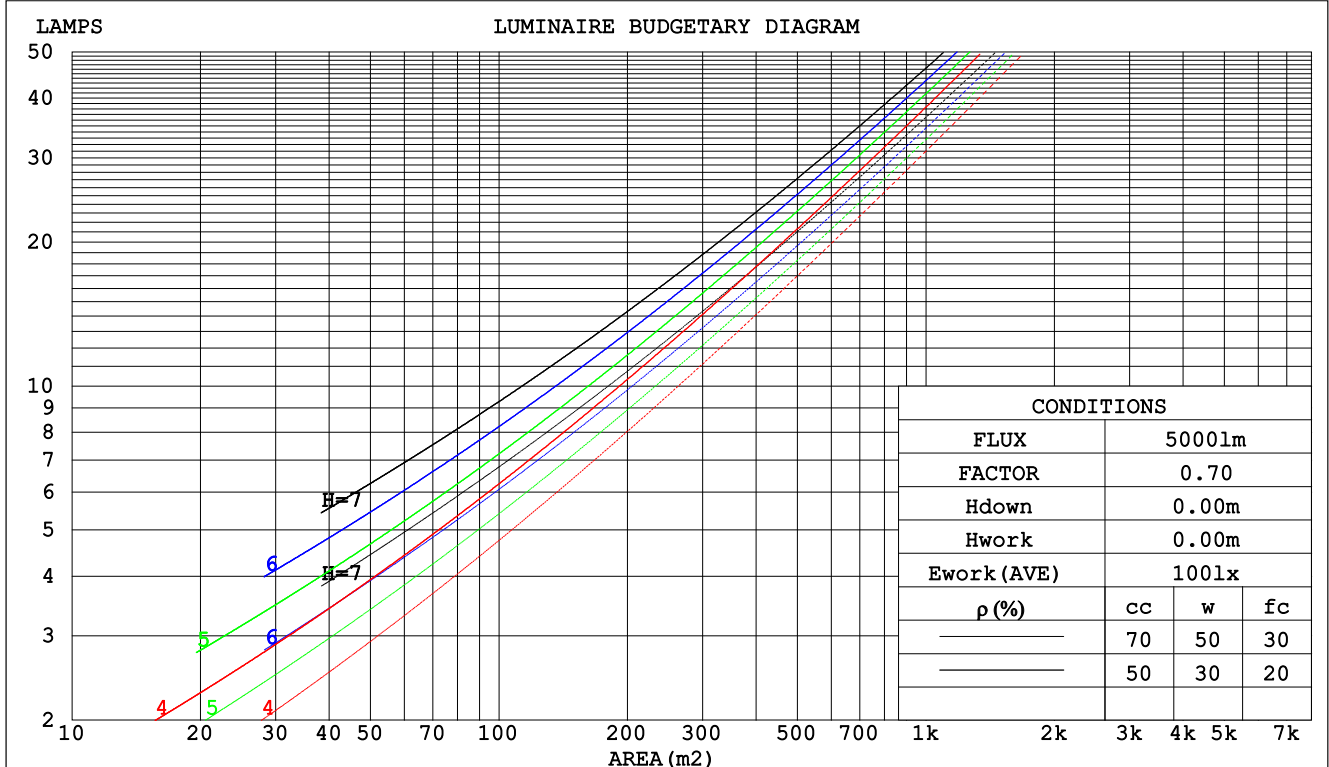
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-11-16

$\gamma$  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:0.5900A P:14.16W PF:1.000 Lamp Flux:361.99x1 lm		
NAME: SF21-24V-5050-84-2700K-80	TYPE:硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311007
MFR.: OLYMPIA	SUR.:1.0*0.0115	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	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.86	.86	.86	.82
1.0	.96	.90	.85	.91	.87	.82	.84	.80	.76	.77	.74	.71	.70	.68	.66	.62
2.0	.82	.74	.67	.78	.71	.65	.72	.66	.61	.66	.61	.57	.60	.56	.53	.49
3.0	.71	.62	.55	.68	.60	.53	.62	.55	.50	.57	.51	.47	.52	.48	.44	.40
4.0	.62	.53	.45	.60	.51	.44	.55	.47	.42	.50	.44	.39	.46	.41	.37	.34
5.0	.55	.46	.39	.53	.44	.38	.49	.41	.35	.45	.38	.33	.41	.36	.31	.29
6.0	.49	.40	.33	.47	.39	.32	.44	.36	.31	.40	.34	.29	.37	.32	.27	.25
7.0	.45	.35	.29	.43	.34	.28	.40	.32	.27	.37	.30	.26	.34	.28	.24	.22
8.0	.40	.32	.26	.39	.31	.25	.36	.29	.24	.34	.27	.23	.31	.26	.21	.19
9.0	.37	.29	.23	.36	.28	.22	.33	.26	.21	.31	.25	.20	.29	.23	.19	.17
10.0	.34	.26	.21	.33	.25	.20	.31	.24	.19	.29	.23	.18	.27	.21	.17	.16



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-11-16

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:0.5900A P:14.16W PF:1.000 Lamp Flux:361.99x1 lm		
NAME: SF21-24V-5050-84-2700K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311007
MFR.: OLYMPIA	SUR.:1.0*0.0115	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	.387	.220	.070	.374	.213	.068	.350	.201	.064	.329	.189	.061	.308	.179	.058		
2.0	.334	.183	.056	.323	.178	.055	.302	.168	.052	.282	.158	.049	.263	.149	.047		
3.0	.297	.158	.047	.287	.153	.046	.267	.145	.044	.249	.137	.042	.233	.129	.040		
4.0	.267	.139	.041	.258	.135	.040	.240	.127	.038	.224	.120	.036	.209	.113	.035		
5.0	.243	.124	.036	.234	.120	.035	.218	.114	.033	.203	.107	.032	.189	.101	.030		
6.0	.222	.111	.032	.215	.108	.031	.200	.103	.030	.186	.097	.028	.174	.091	.027		
7.0	.205	.101	.029	.198	.099	.028	.185	.093	.027	.172	.088	.026	.160	.083	.025		
8.0	.190	.093	.026	.184	.090	.026	.171	.086	.024	.160	.081	.023	.149	.077	.022		
9.0	.177	.086	.024	.171	.083	.023	.160	.079	.022	.149	.075	.021	.139	.071	.020		
10.0	.166	.079	.022	.160	.077	.022	.150	.073	.021	.140	.070	.020	.131	.066	.019		

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	.327	.327	.327	.279	.279	.279	.191	.191	.191	.109	.109	.109	.035	.035	.035	
1.0	.323	.293	.266	.276	.251	.229	.189	.173	.158	.109	.100	.092	.035	.032	.030	
2.0	.316	.270	.231	.271	.232	.200	.186	.161	.139	.107	.094	.082	.034	.030	.027	
3.0	.309	.253	.210	.265	.219	.182	.182	.152	.127	.105	.089	.075	.034	.029	.025	
4.0	.301	.241	.195	.258	.208	.170	.178	.145	.119	.103	.085	.071	.033	.028	.023	
5.0	.293	.231	.185	.252	.200	.161	.173	.140	.114	.100	.082	.068	.032	.027	.022	
6.0	.286	.223	.178	.246	.193	.155	.169	.135	.110	.098	.080	.065	.032	.026	.022	
7.0	.279	.217	.173	.240	.188	.151	.166	.132	.107	.096	.078	.064	.031	.025	.021	
8.0	.272	.211	.169	.234	.183	.148	.162	.129	.105	.094	.076	.062	.030	.025	.021	
9.0	.266	.206	.166	.229	.179	.145	.159	.126	.103	.092	.074	.061	.030	.024	.020	
10.0	.260	.202	.164	.224	.176	.143	.155	.124	.102	.091	.073	.061	.029	.024	.020	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-11-16

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:0.5900A P:14.16W PF:1.000 Lamp Flux:361.99x1 lm											
NAME.: SF21-24V-5050-84-2700K-80						TYPE:硅胶		WEIGHT:			
DIM.: 28MM*11.5MM						SPEC.:		SERIAL No.:202311007			
MFR.: OLYMPIA						SUR.:1.0*0.0115		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	20.1	21.5	20.6	22.0	22.6	18.5	19.8	19.0	20.3	20.9	
	3H	22.8	24.1	23.3	24.6	25.2	20.2	21.4	20.7	22.0	22.6
	4H	24.3	25.5	24.8	26.0	26.7	20.9	22.1	21.5	22.7	23.3
	6H	25.9	27.1	26.5	27.6	28.3	21.5	22.6	22.1	23.2	23.9
	8H	26.8	27.9	27.4	28.5	29.2	21.7	22.8	22.3	23.4	24.1
	12H	27.9	28.9	28.5	29.5	30.2	21.9	23.0	22.5	23.6	24.3
4H	2H	20.7	21.9	21.3	22.5	23.1	19.5	20.7	20.1	21.3	21.9
	3H	23.6	24.7	24.2	25.3	26.0	21.5	22.5	22.1	23.1	23.8
	4H	25.3	26.3	25.9	26.9	27.6	22.4	23.4	23.0	24.0	24.7
	6H	27.1	28.0	27.8	28.7	29.4	23.2	24.1	23.9	24.7	25.5
	8H	28.2	29.0	28.8	29.6	30.4	23.6	24.4	24.2	25.0	25.8
	12H	29.4	30.1	30.0	30.8	31.6	23.9	24.6	24.5	25.3	26.1
8H	4H	25.7	26.5	26.3	27.1	27.9	23.4	24.2	24.0	24.8	25.6
	6H	27.8	28.5	28.5	29.2	30.0	24.6	25.2	25.2	25.9	26.7
	8H	29.1	29.7	29.8	30.4	31.2	25.1	25.8	25.8	26.5	27.3
	12H	30.5	31.0	31.2	31.8	32.6	25.7	26.2	26.4	26.9	27.8
12H	4H	25.7	26.5	26.4	27.1	27.9	23.7	24.4	24.3	25.1	25.9
	6H	28.0	28.6	28.7	29.3	30.1	25.1	25.7	25.8	26.4	27.2
	8H	29.3	29.9	30.0	30.6	31.4	25.8	26.4	26.5	27.1	27.9
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 362.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.5)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-11-16

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:0.5900A P:14.16W PF:1.000 Lamp Flux:361.99x1 lm		
NAME: SF21-24V-5050-84-2700K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311007
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

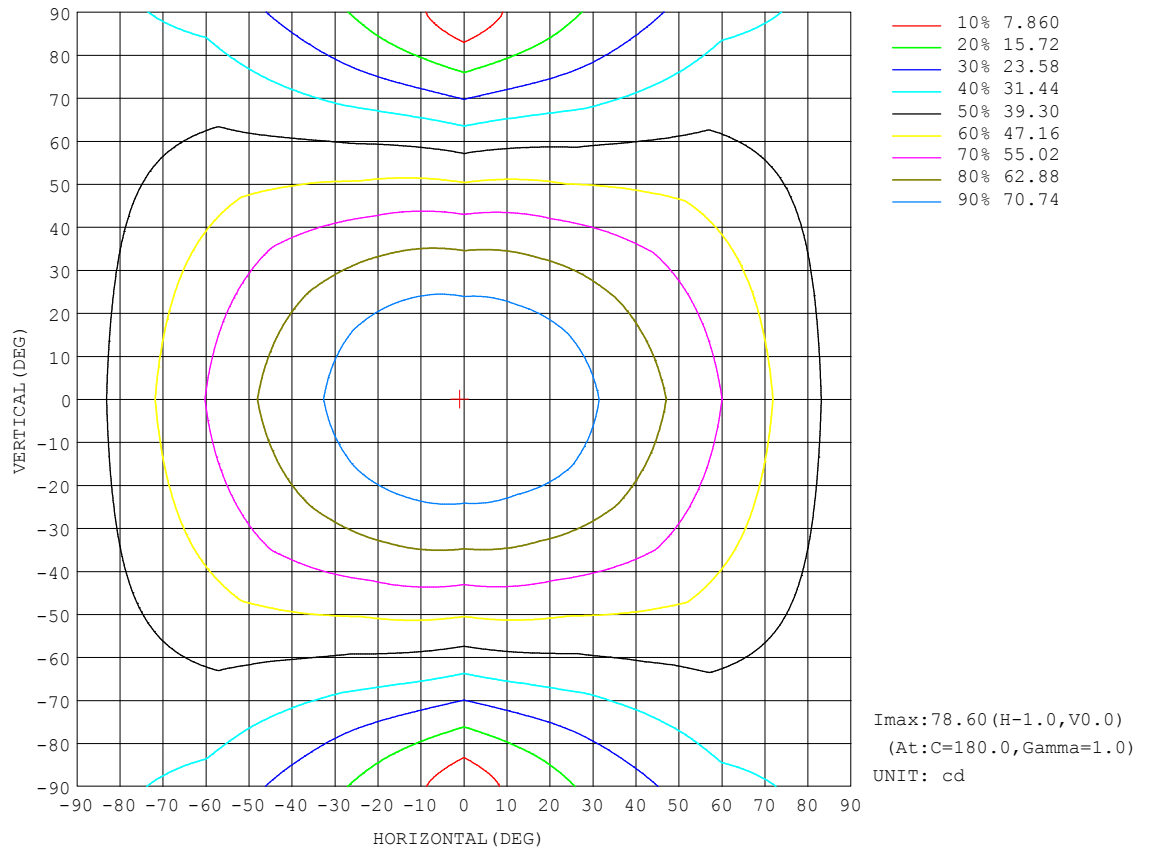
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	35	28	47	35	28	45	34	27	21
0.80	57	44	36	55	43	35	52	42	35	27
1.00	65	52	43	63	51	43	59	51	41	33
1.25	71	59	50	69	57	49	65	55	48	38
1.50	77	64	56	74	63	55	69	60	53	42
2.00	84	73	64	81	71	63	75	67	60	49
2.50	88	78	70	85	76	68	79	71	65	52
3.00	92	83	75	89	80	73	82	75	69	56
4.00	97	89	82	93	86	80	86	80	75	61
5.00	100	93	87	96	90	84	88	83	79	64
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-11-16

$\gamma$  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:0.5900A P:14.16W PF:1.000 Lamp Flux:361.99x1 lm		
NAME: SF21-24V-5050-84-2700K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311007
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

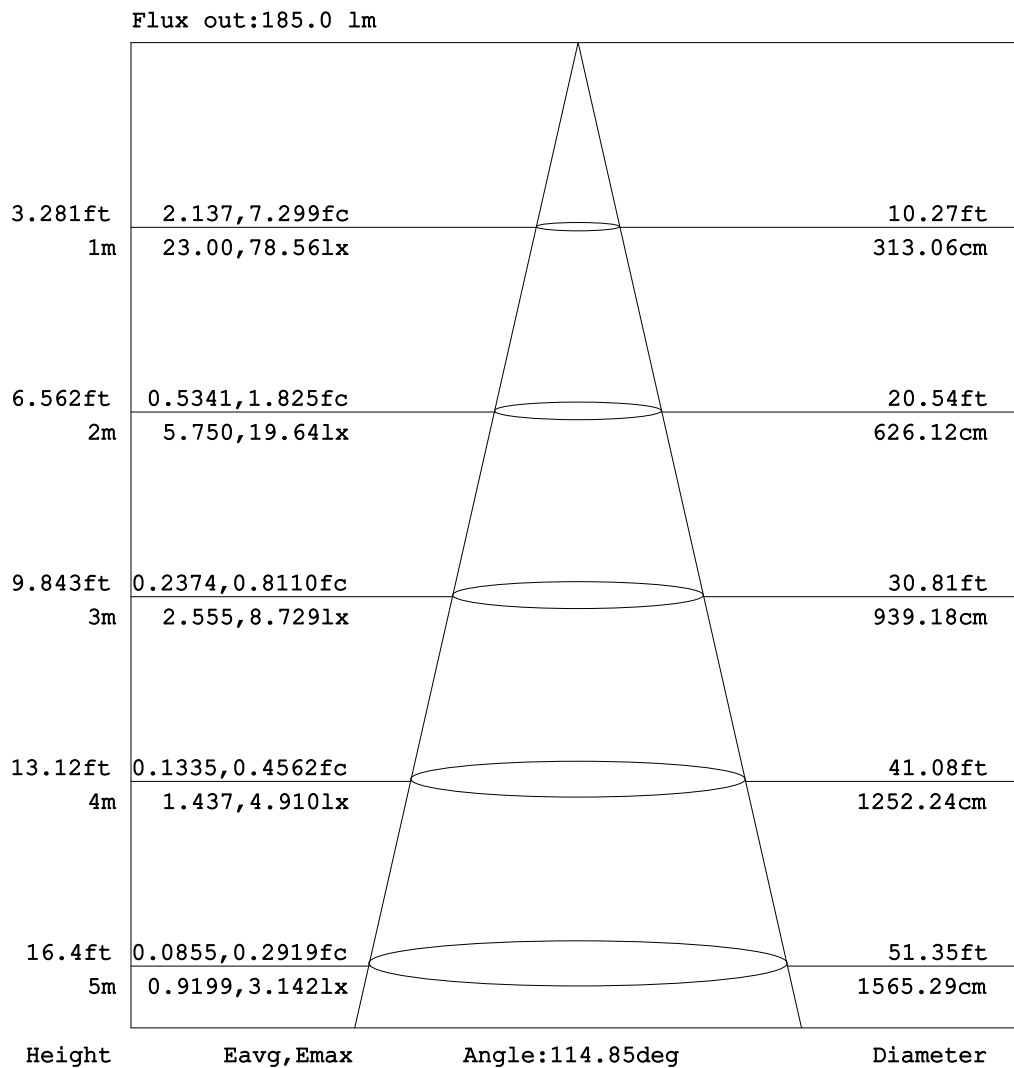


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-11-16

$\gamma$  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:0.5900A P:14.16W PF:1.000 Lamp Flux:361.99x1 lm		
NAME: SF21-24V-5050-84-2700K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311007
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



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

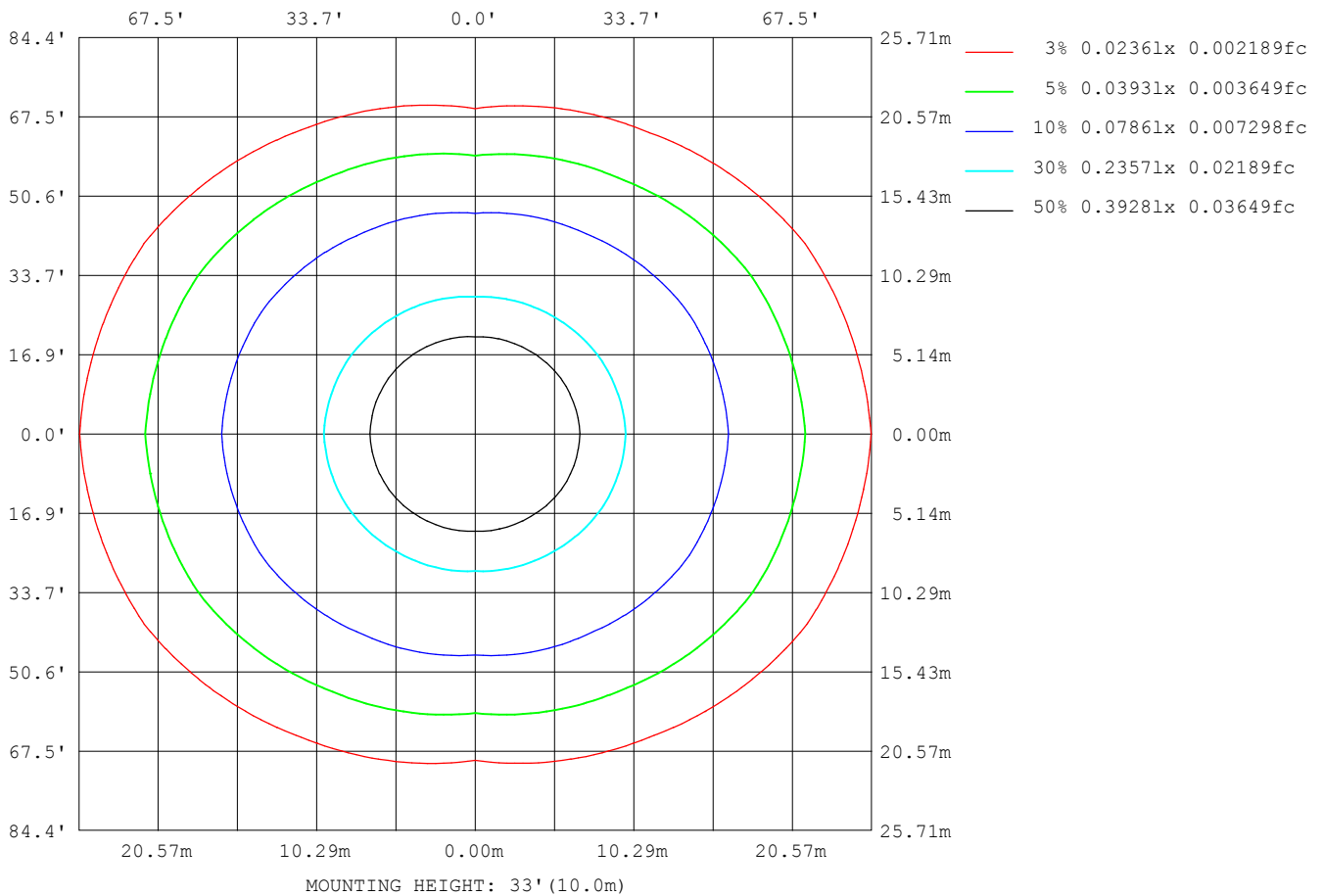
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-11-16

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

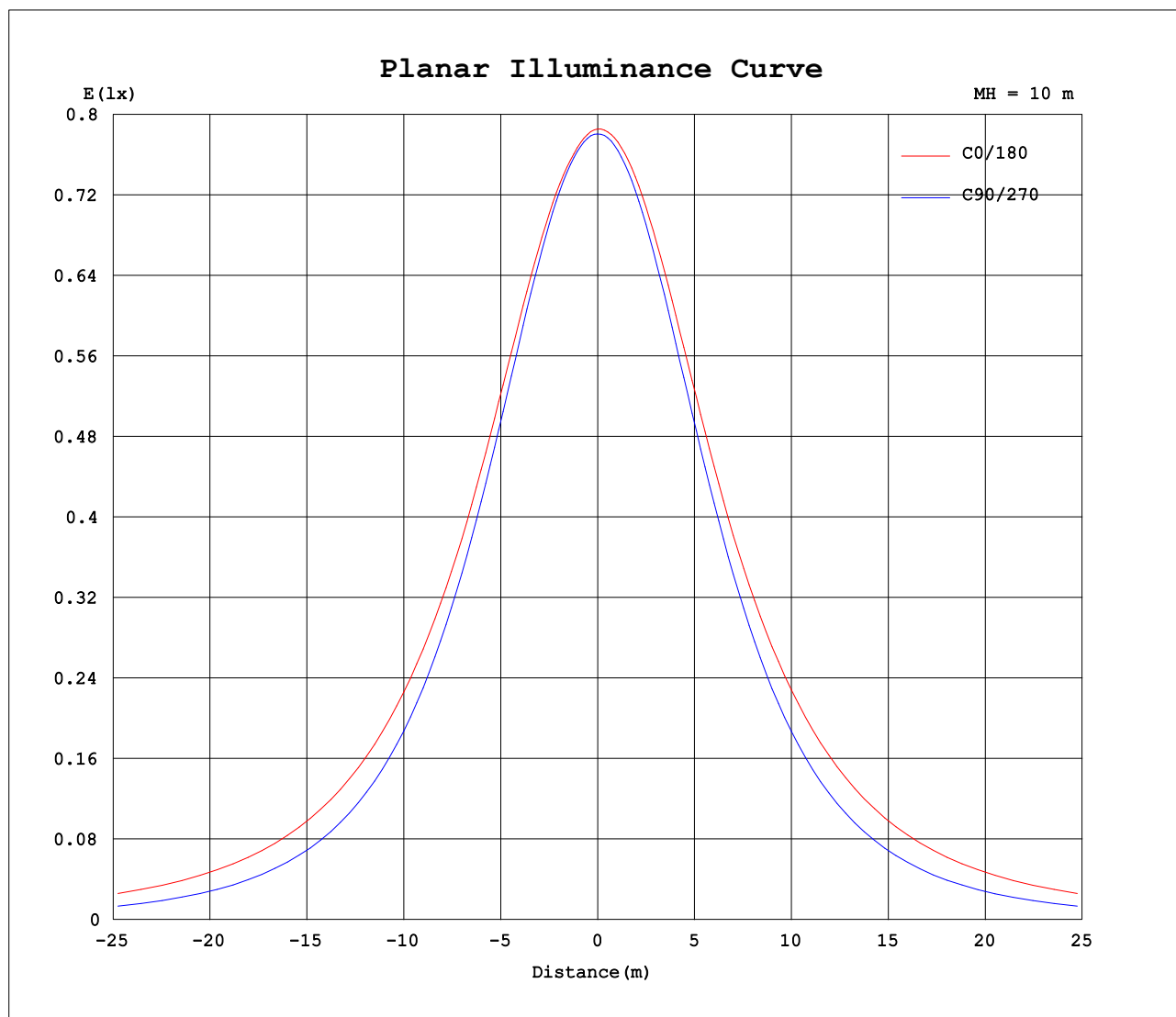
Test:U:24.00V I:0.5900A P:14.16W PF:1.000 Lamp Flux:361.99x1 lm		
NAME: SF21-24V-5050-84-2700K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311007
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-11-16

$\gamma$  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: WFW  
Test Date: 2023-11-16

$\gamma$  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:0.5900A P:14.16W PF:1.000 Lamp Flux:361.99x1 lm		
NAME: SF21-24V-5050-84-2700K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311007
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	78.6	78.3	78.2	78.1	78.0	78.0	78.6	78.3	78.2	78.1	78.0	78.0						
5	78.1	78.0	77.8	77.7	77.8	77.9	78.6	78.4	78.1	77.8	77.6	77.5						
10	77.5	77.2	76.8	76.8	77.1	77.4	78.2	77.9	77.4	76.9	76.7	76.8						
15	76.6	76.1	75.3	75.3	75.8	76.5	77.3	76.9	76.1	75.2	75.2	75.8						
20	75.3	74.7	73.4	73.1	73.9	75.0	76.0	75.3	74.1	72.9	73.2	74.2						
25	73.6	72.7	70.8	70.2	71.4	73.0	74.2	73.2	71.6	70.0	70.7	72.3						
30	71.4	70.3	67.8	66.8	68.3	70.5	72.0	70.8	68.5	66.5	67.7	69.8						
35	68.9	67.5	64.3	62.7	64.7	67.6	69.5	67.8	64.9	62.5	64.1	67.0						
40	66.5	64.4	60.4	58.1	60.7	64.4	67.1	64.6	60.9	57.9	60.2	63.8						
45	64.0	61.3	56.1	53.1	56.3	61.4	64.6	61.6	56.5	53.0	55.8	60.7						
50	61.2	58.0	51.4	47.7	51.5	58.2	61.7	58.3	51.8	47.5	51.1	57.4						
55	58.2	54.6	46.6	42.0	46.7	54.7	58.5	54.7	46.9	41.8	46.2	53.9						
60	55.0	51.0	41.8	36.2	41.9	50.9	55.2	50.9	42.2	35.7	41.3	50.3						
65	51.8	47.3	37.1	29.9	37.1	47.1	51.8	47.2	37.3	29.6	36.5	46.7						
70	48.4	43.7	32.4	23.5	32.3	43.4	48.4	43.5	32.4	23.2	31.8	43.1						
75	45.0	40.1	28.0	17.2	27.7	39.8	45.0	39.9	27.9	16.9	27.2	39.6						
80	41.5	36.5	24.1	11.3	23.7	36.3	41.5	36.4	23.8	10.9	23.3	36.1						
85	37.9	33.1	20.6	6.47	20.1	32.8	37.9	32.9	20.2	6.10	19.8	32.6						
90	34.2	29.5	17.6	4.14	17.0	29.2	34.1	29.3	17.0	4.01	16.8	29.1						
95	30.5	26.0	15.1	4.00	14.4	25.6	30.3	25.7	14.4	3.85	14.3	25.6						
100	27.0	22.8	12.1	3.81	12.4	22.3	26.8	22.5	12.4	3.66	11.5	22.5						
105	23.7	19.5	10.0	3.66	10.9	19.5	23.5	19.6	10.8	3.46	9.61	19.3						
110	20.1	16.1	8.72	3.53	9.76	16.9	20.5	17.1	9.61	3.23	8.40	16.3						
115	17.5	14.0	8.00	3.37	8.74	14.8	17.8	14.9	8.56	2.97	7.52	14.3						
120	15.4	11.7	6.81	3.20	7.76	13.0	15.5	13.1	7.55	2.75	6.72	12.3						
125	13.6	10.6	5.83	3.03	6.82	11.4	13.5	11.5	6.62	2.58	5.54	10.8						
130	11.9	9.49	4.96	2.84	5.88	9.91	11.8	9.95	5.68	2.44	4.73	9.33						
135	10.2	7.93	4.14	2.68	4.98	8.52	10.1	8.53	4.79	2.31	4.03	7.76						
140	8.69	6.17	3.41	2.53	4.21	7.22	8.60	7.19	4.02	2.19	3.46	6.14						
145	6.63	4.74	2.93	2.38	3.51	5.98	7.09	5.91	3.33	2.09	2.95	4.88						
150	5.52	3.24	2.47	2.22	2.88	4.72	5.66	4.69	2.73	1.99	2.45	4.03						
155	4.29	2.76	2.09	2.04	2.28	3.74	4.39	3.64	2.12	1.89	2.00	3.23						
160	3.23	2.20	1.93	1.88	1.96	2.83	3.26	2.76	1.79	1.80	1.77	2.51						
165	2.32	1.85	1.81	1.77	1.81	2.08	2.36	2.04	1.70	1.72	1.70	1.97						
170	1.85	1.82	1.79	1.76	1.78	1.82	1.78	1.79	1.73	1.70	1.73	1.79						
175	1.84	1.82	1.79	1.77	1.78	1.82	1.81	1.78	1.78	1.70	1.77	1.77						
180	1.83	1.82	1.79	1.77	1.78	1.82	1.81	1.80	1.79	1.73	1.77	1.77						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-11-16

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	78.56	78.34	78.21	78.07	77.97	77.97	78.56	78.34	78.21	78.07
3.0	78.33	78.16	78.06	77.94	77.99	77.96	78.60	78.39	78.18	78.00
6.0	77.96	77.80	77.62	77.58	77.72	77.84	78.52	78.33	77.98	77.67
9.0	77.59	77.34	77.04	77.06	77.31	77.54	78.28	78.03	77.56	77.12
12.0	77.16	76.83	76.24	76.30	76.67	77.11	77.88	77.53	76.91	76.26
15.0	76.58	76.14	75.31	75.30	75.81	76.46	77.30	76.87	76.08	75.23
18.0	75.85	75.34	74.17	74.05	74.73	75.67	76.54	75.99	74.99	73.92
21.0	74.97	74.27	72.89	72.53	73.43	74.61	75.65	74.91	73.67	72.37
24.0	73.95	73.16	71.42	70.85	71.90	73.44	74.58	73.70	72.18	70.64
27.0	72.79	71.83	69.71	68.83	70.19	72.05	73.38	72.25	70.43	68.63
30.0	71.43	70.33	67.81	66.75	68.28	70.52	72.03	70.76	68.51	66.54
33.0	69.93	68.71	65.81	64.34	66.18	68.84	70.55	69.03	66.42	64.15
36.0	68.40	66.89	63.54	61.76	63.93	66.97	68.97	67.19	64.16	61.61
39.0	66.98	64.98	61.21	59.06	61.51	65.03	67.55	65.24	61.77	58.87
42.0	65.53	63.11	58.73	56.14	58.95	63.25	66.10	63.39	59.20	55.95
45.0	64.00	61.27	56.08	53.08	56.28	61.43	64.56	61.58	56.51	52.95
48.0	62.35	59.37	53.29	49.91	53.47	59.56	62.90	59.66	53.71	49.76
51.0	60.63	57.38	50.46	46.61	50.56	57.55	61.09	57.60	50.80	46.40
54.0	58.82	55.27	47.55	43.23	47.63	55.40	59.15	55.47	47.87	43.00
57.0	56.94	53.16	44.66	39.77	44.74	53.13	57.16	53.19	45.02	39.42
60.0	55.03	50.98	41.83	36.16	41.93	50.90	55.19	50.91	42.16	35.71
63.0	53.08	48.73	39.00	32.36	39.06	48.60	53.13	48.69	39.23	32.05
66.0	51.13	46.57	36.10	28.63	36.14	46.35	51.06	46.45	36.29	28.27
69.0	49.14	44.41	33.38	24.77	33.21	44.13	49.07	44.22	33.41	24.41
72.0	47.06	42.17	30.56	20.90	30.40	42.01	47.04	42.07	30.55	20.65
75.0	45.00	40.08	28.00	17.15	27.74	39.82	44.99	39.95	27.88	16.86
78.0	42.90	37.93	25.59	13.52	25.20	37.78	42.92	37.83	25.38	13.21
81.0	40.81	35.83	23.35	10.20	22.91	35.58	40.82	35.73	23.05	9.849
84.0	38.66	33.75	21.29	7.245	20.80	33.51	38.65	33.61	20.90	6.879
87.0	36.44	31.62	19.36	5.143	18.83	31.28	36.42	31.44	18.91	4.820
90.0	34.17	29.47	17.60	4.136	16.99	29.17	34.12	29.26	17.04	4.006
93.0	31.93	27.29	16.02	4.060	15.36	26.97	31.83	27.10	15.39	3.910
96.0	29.75	25.31	14.66	3.965	13.97	24.92	29.60	25.05	13.96	3.820
99.0	27.64	23.42	12.74	3.834	12.77	22.93	27.44	23.13	12.74	3.709
102.0	25.67	21.62	11.11	3.744	11.78	21.17	25.41	21.31	11.71	3.584
105.0	23.70	19.54	10.02	3.664	10.93	19.46	23.46	19.60	10.83	3.458
108.0	21.94	17.16	9.185	3.578	10.21	17.89	21.63	18.05	10.07	3.327
111.0	19.50	15.62	8.566	3.493	9.551	16.48	19.90	16.63	9.396	3.172
114.0	17.95	14.36	8.128	3.387	8.938	15.19	18.30	15.32	8.763	3.021
117.0	16.63	13.24	7.717	3.307	8.345	14.06	16.84	14.17	8.144	2.875
120.0	15.40	11.70	6.811	3.201	7.757	12.99	15.51	13.08	7.552	2.749
123.0	14.31	11.10	6.477	3.096	7.189	12.02	14.29	12.05	6.984	2.644
126.0	13.24	10.45	5.765	2.995	6.656	11.09	13.15	11.14	6.441	2.553
129.0	12.20	9.708	5.149	2.874	6.089	10.18	12.09	10.24	5.888	2.468
132.0	11.21	9.009	4.611	2.779	5.495	9.346	11.09	9.356	5.300	2.387
135.0	10.23	7.932	4.143	2.683	4.977	8.516	10.12	8.531	4.788	2.312
138.0	9.296	6.802	3.695	2.603	4.500	7.717	9.199	7.716	4.315	2.242
141.0	7.374	5.857	3.298	2.507	4.082	6.978	8.299	6.933	3.893	2.176
144.0	6.450	4.999	3.027	2.407	3.666	6.255	7.400	6.219	3.456	2.111
147.0	6.330	3.982	2.750	2.322	3.233	5.426	6.541	5.385	3.084	2.051
150.0	5.521	3.241	2.469	2.221	2.881	4.722	5.656	4.686	2.728	1.990
153.0	4.742	3.029	2.187	2.120	2.474	4.094	4.852	4.058	2.286	1.940
156.0	4.043	2.638	2.061	2.005	2.202	3.562	4.169	3.474	2.035	1.880
159.0	3.429	2.281	1.960	1.900	2.006	2.999	3.535	2.947	1.844	1.819
162.0	2.897	2.034	1.865	1.829	1.880	2.511	2.772	2.484	1.714	1.764
165.0	2.320	1.849	1.810	1.769	1.814	2.075	2.360	2.041	1.699	1.724
168.0	2.006	1.819	1.789	1.764	1.789	1.854	1.959	1.845	1.724	1.699
171.0	1.844	1.819	1.789	1.764	1.784	1.819	1.784	1.779	1.744	1.699
174.0	1.839	1.819	1.789	1.769	1.784	1.819	1.804	1.779	1.774	1.699
177.0	1.834	1.819	1.789	1.769	1.784	1.819	1.824	1.779	1.784	1.734
180.0	1.834	1.819	1.789	1.769	1.784	1.819	1.814	1.804	1.789	1.734
G/C	300.0	330.0								
0.0	77.97	77.97								
3.0	77.81	77.76								
6.0	77.46	77.42								
9.0	76.89	76.95								
12.0	76.13	76.42								
15.0	75.18	75.77								
18.0	74.05	74.91								
21.0	72.78	73.87								
24.0	71.27	72.71								
27.0	69.57	71.37								
30.0	67.69	69.85								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: WFW  
 Test Date: 2023-11-16

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:

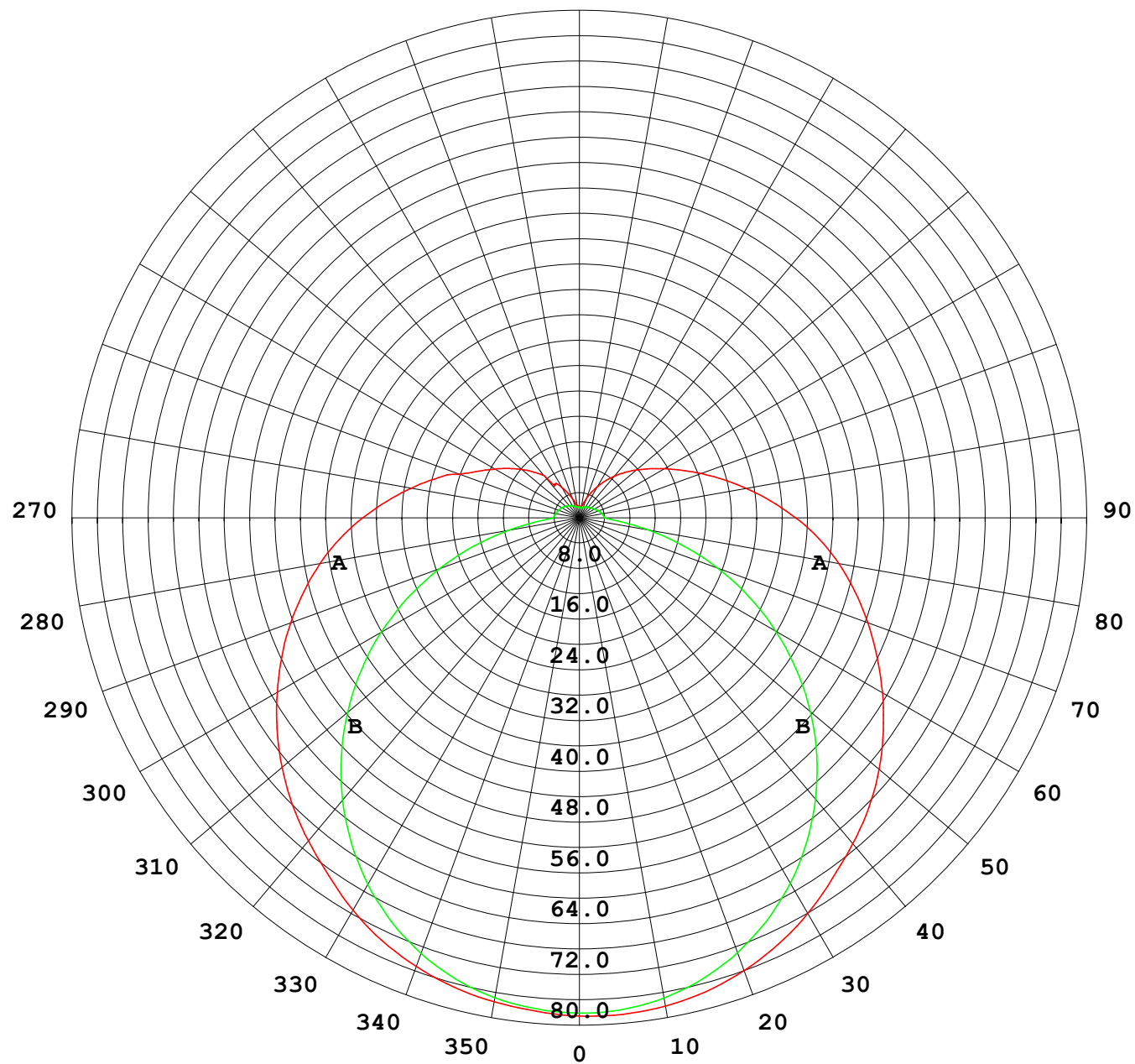
## Photometric Data Table [cd]

33.0	65.63	68.24
36.0	63.39	66.35
39.0	61.04	64.42
42.0	58.51	62.55
45.0	55.84	60.68
48.0	53.05	58.72
51.0	50.15	56.69
54.0	47.18	54.65
57.0	44.22	52.51
60.0	41.32	50.31
63.0	38.45	48.13
66.0	35.49	45.99
69.0	32.69	43.83
72.0	29.88	41.75
75.0	27.25	39.63
78.0	24.82	37.50
81.0	22.55	35.40
84.0	20.46	33.31
87.0	18.55	31.21
90.0	16.80	29.09
93.0	15.22	27.00
96.0	13.88	24.98
99.0	11.99	23.14
102.0	10.59	21.34
105.0	9.611	19.29
108.0	8.812	17.41
111.0	8.220	15.92
114.0	7.717	14.68
117.0	7.225	13.43
120.0	6.723	12.26
123.0	5.751	11.39
126.0	5.371	10.51
129.0	4.888	9.592
132.0	4.426	8.817
135.0	4.034	7.763
138.0	3.688	6.727
141.0	3.361	5.912
144.0	3.040	5.024
147.0	2.758	4.550
150.0	2.452	4.027
153.0	2.145	3.560
156.0	1.944	3.067
159.0	1.804	2.635
162.0	1.719	2.273
165.0	1.704	1.966
168.0	1.724	1.845
171.0	1.749	1.779
174.0	1.769	1.774
177.0	1.774	1.774
180.0	1.774	1.774

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-11-16

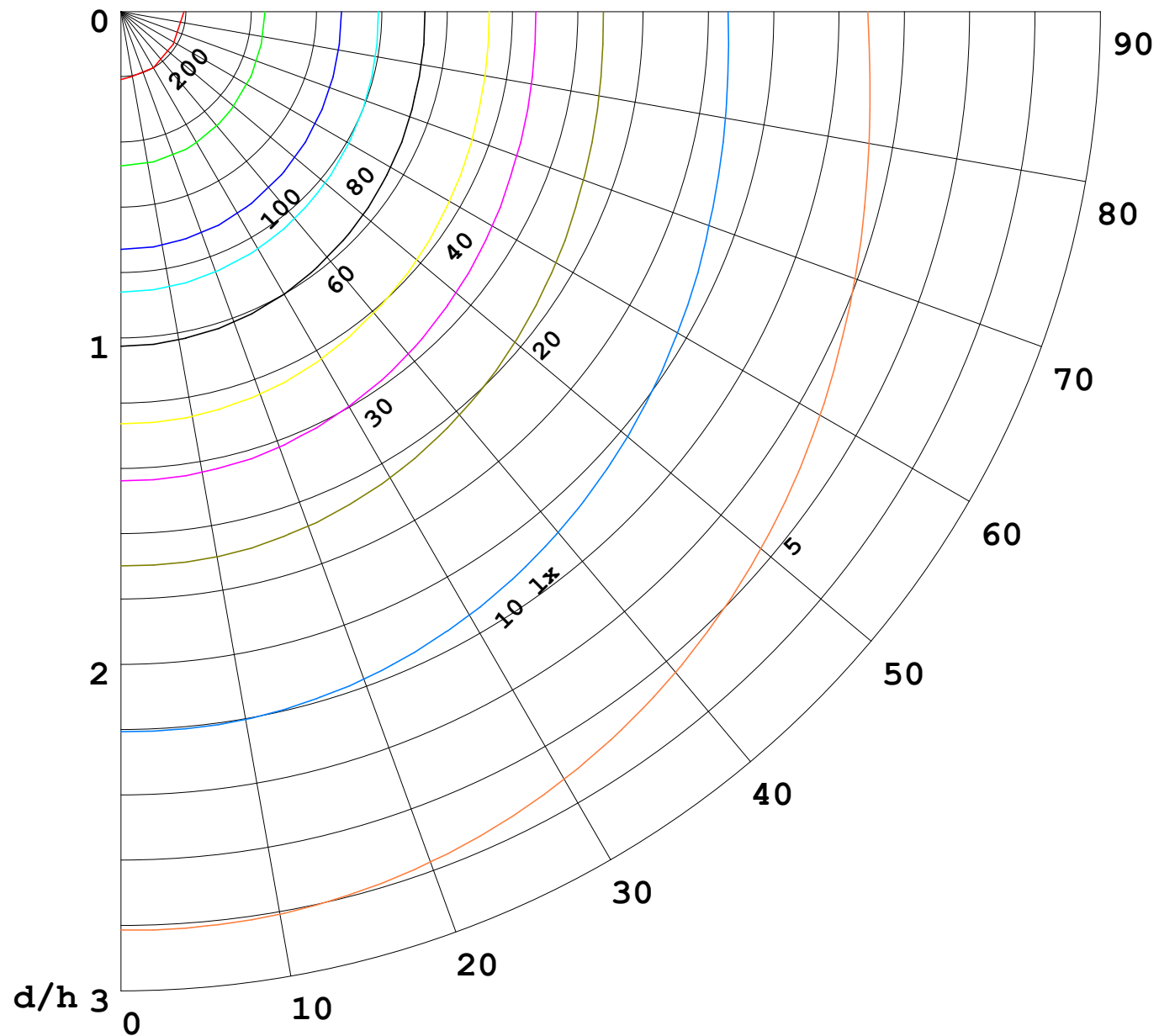
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

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

