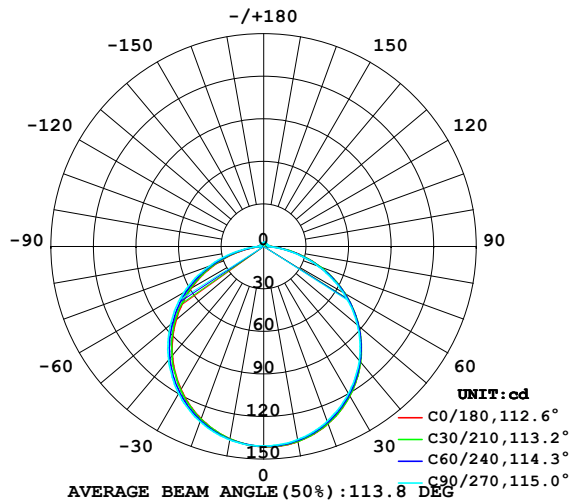


## LUMINAIRE PHOTOMETRIC TEST REPORT

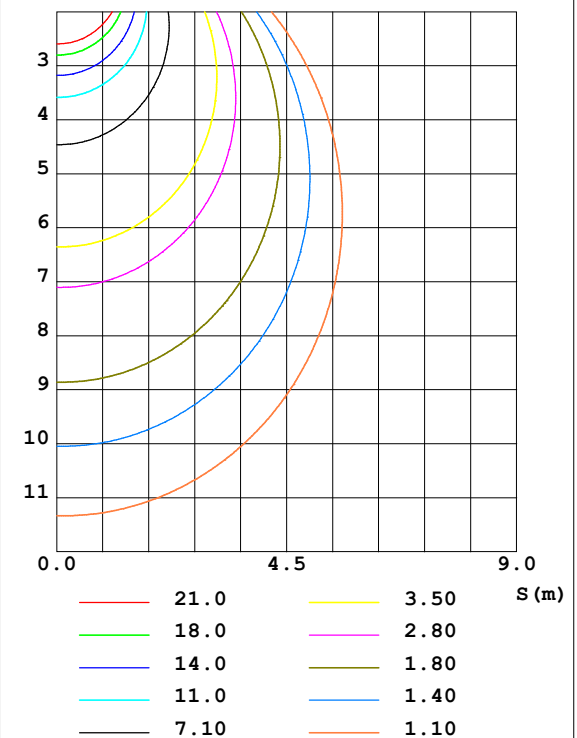
Test:U:48.00V I:0.2408A P:11.56W PF:1.000 Lamp Flux:424.051x1 lm		
NAME: SF16-48V-3528-140-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:20220725
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 36.69 lm/W			
MODEL	3528	I <sub>max</sub> (cd)	141.4	S/MH (C0/180)	1.28
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	48	TOTAL FLUX (lm)	424.06	η UP, DN (C0-180)	1.9, 48.6
NOMINAL FLUX (lm)	424.051	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.6, 47.9
LAMPS INSIDE	1	η up (%)	3.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	48.0	η down (%)	96.6	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



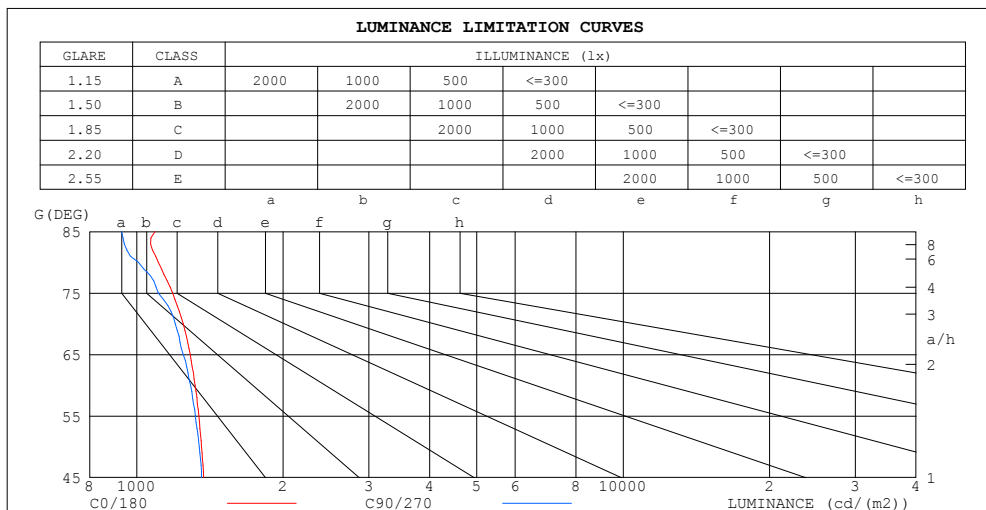
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: HXJ  
Test Date: 2022-07-25

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	139.7	139.2	138.3	137.1	137.8	137.9	138.5	138.6	0- 10	13.32	13.32	3.14,3.14
20	133.0	132.4	131.2	129.2	129.3	130.1	131.4	132.0	10- 20	38.17	51.49	12.1,12.1
30	121.7	121.1	119.8	117.0	116.6	117.9	119.8	120.8	20- 30	57.92	109.4	25.8,25.8
40	106.2	106.1	105.0	101.2	100.2	101.8	104.5	105.7	30- 40	70.05	179.5	42.3,42.3
50	87.37	87.49	86.34	82.37	80.67	82.80	85.83	86.98	40- 50	73.08	252.5	59.6,59.6
60	65.95	65.88	64.48	60.83	58.95	61.32	64.92	65.64	50- 60	66.57	319.1	75.3,75.3
70	42.59	42.30	41.03	37.39	35.82	37.99	41.00	42.22	60- 70	51.32	370.4	87.4,87.4
80	19.23	18.85	17.50	14.77	13.67	14.93	17.23	18.64	70- 80	29.75	400.2	94.4,94.4
90	3.748	3.792	3.653	3.091	1.911	2.456	2.933	3.112	80- 90	9.229	409.4	96.5,96.6
100	1.704	2.530	3.317	2.596	1.096	1.975	2.744	1.857	90-100	2.620	412.0	97.2,97.2
110	1.744	2.455	2.980	2.581	1.292	2.003	2.644	1.850	100-110	2.340	414.4	97.7,97.7
120	1.955	2.415	2.694	2.523	1.543	2.066	2.578	1.902	110-120	2.189	416.6	98.2,98.2
130	2.136	2.402	2.540	2.478	1.795	2.139	2.508	1.983	120-130	1.999	418.6	98.7,98.7
140	2.327	2.458	2.548	2.515	2.081	2.241	2.492	2.108	130-140	1.774	420.3	99.1,99.1
150	2.498	2.551	2.649	2.603	2.352	2.380	2.505	2.284	140-150	1.508	421.9	99.5,99.5
160	2.658	2.701	2.759	2.721	2.599	2.568	2.518	2.495	150-160	1.175	423.0	99.8,99.8
170	2.794	2.809	2.855	2.811	2.794	2.754	2.709	2.699	160-170	0.7647	423.8	99.9,99.9
180	2.855	2.862	2.880	2.842	2.860	2.857	2.855	2.822	170-180	0.2681	424.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1091	930
80	1108	1008
75	1185	1108
70	1245	1200
65	1288	1246
60	1319	1290
55	1341	1320
50	1359	1343
45	1374	1360

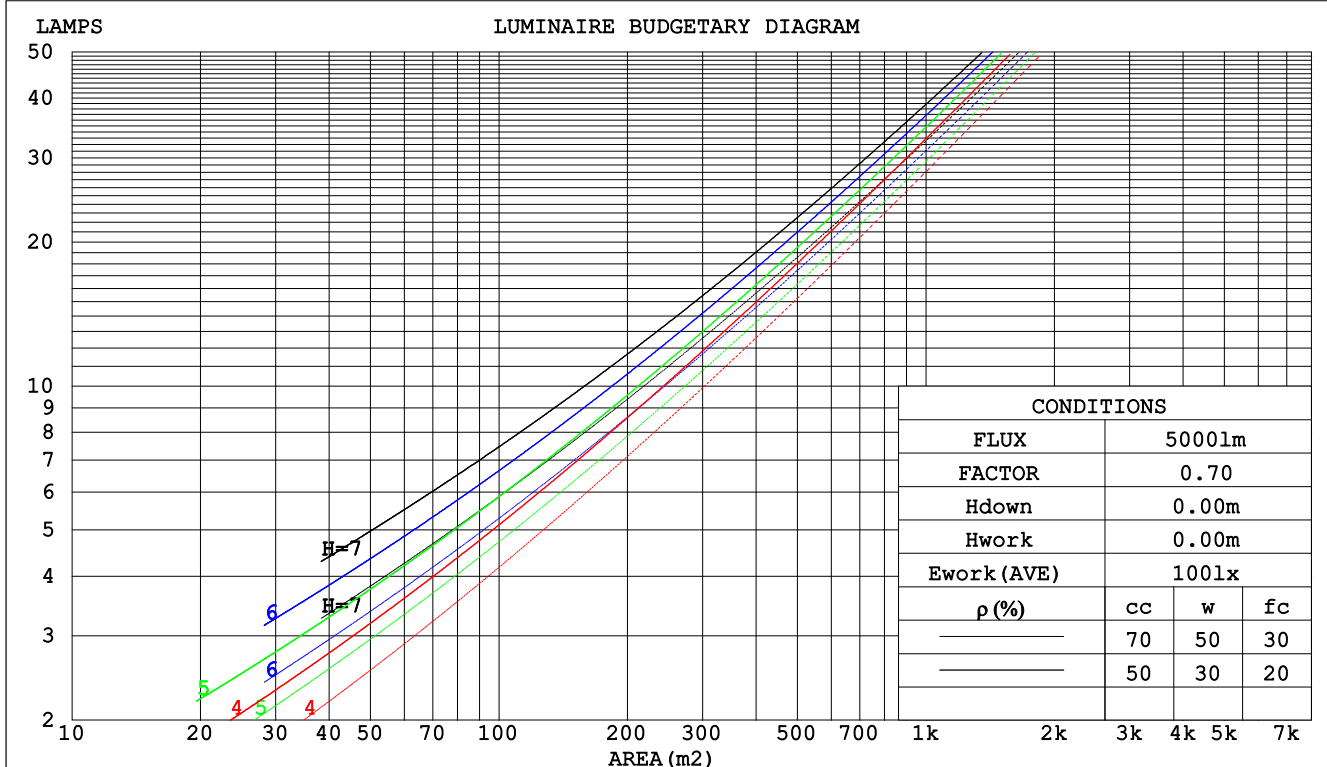
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-07-25

$\gamma$  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:48.00V I:0.2408A P:11.56W PF:1.000 Lamp Flux:424.051x1 lm		
NAME: SF16-48V-3528-140-3000K	TYPE:硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:20220725
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	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.03	.98	.95	1.00	.96	.93	.95	.92	.89	.91	.88	.86	.87	.85	.83	.80
2.0	.89	.83	.77	.87	.81	.75	.83	.78	.73	.79	.75	.71	.76	.72	.69	.67
3.0	.78	.70	.64	.77	.69	.63	.73	.67	.61	.70	.64	.60	.67	.62	.58	.56
4.0	.69	.60	.54	.68	.59	.53	.65	.58	.52	.62	.56	.51	.59	.54	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.49	.44	.53	.48	.43	.41
6.0	.56	.47	.40	.54	.46	.40	.52	.45	.39	.50	.44	.39	.48	.43	.38	.36
7.0	.50	.42	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.34	.28	.40	.33	.28	.39	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.26	.38	.31	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-07-25

$\gamma$  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:48.00V I:0.2408A P:11.56W PF:1.000 Lamp Flux:424.051x1 lm		
NAME: SF16-48V-3528-140-3000K	TYPE:硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:20220725
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	.314	.178	.057	.306	.174	.055	.290	.167	.053	.276	.159	.051	.263	.153	.049		
2.0	.294	.161	.049	.286	.158	.049	.273	.152	.047	.260	.146	.046	.249	.141	.044		
3.0	.271	.144	.043	.265	.142	.043	.253	.137	.042	.241	.132	.041	.231	.128	.040		
4.0	.250	.130	.038	.244	.128	.038	.233	.124	.037	.223	.120	.036	.214	.116	.035		
5.0	.231	.118	.034	.225	.116	.034	.216	.112	.033	.207	.109	.032	.199	.106	.032		
6.0	.214	.107	.031	.209	.106	.030	.200	.103	.030	.192	.100	.029	.185	.097	.029		
7.0	.199	.098	.028	.195	.097	.028	.187	.094	.027	.180	.092	.027	.173	.090	.026		
8.0	.186	.091	.025	.182	.090	.025	.175	.087	.025	.168	.085	.025	.162	.083	.024		
9.0	.174	.084	.023	.170	.083	.023	.164	.081	.023	.158	.079	.023	.152	.077	.022		
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.149	.074	.021	.144	.072	.021		

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	.217	.217	.217	.185	.185	.185	.126	.126	.126	.073	.073	.073	.023	.023	.023	
1.0	.207	.183	.161	.177	.157	.138	.121	.108	.096	.070	.062	.056	.022	.020	.018	
2.0	.199	.159	.124	.171	.137	.108	.117	.094	.075	.067	.055	.044	.022	.018	.014	
3.0	.192	.141	.101	.164	.122	.088	.113	.085	.061	.065	.049	.036	.021	.016	.012	
4.0	.184	.128	.085	.158	.111	.074	.109	.077	.052	.063	.045	.031	.020	.015	.010	
5.0	.177	.118	.074	.152	.102	.065	.104	.071	.046	.061	.042	.027	.019	.014	.009	
6.0	.169	.109	.066	.146	.095	.058	.100	.066	.041	.058	.039	.024	.019	.013	.008	
7.0	.163	.103	.060	.140	.089	.053	.097	.062	.037	.056	.037	.022	.018	.012	.007	
8.0	.156	.097	.056	.134	.084	.049	.093	.059	.035	.054	.035	.021	.018	.011	.007	
9.0	.150	.092	.053	.129	.080	.046	.090	.056	.033	.052	.033	.019	.017	.011	.006	
10.0	.144	.088	.050	.124	.076	.043	.086	.054	.031	.050	.032	.018	.016	.010	.006	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:HXJ  
 Test Date:2022-07-25

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:48.00V I:0.2408A P:11.56W PF:1.000 Lamp Flux:424.051x1 lm											
NAME: SF16-48V-3528-140-3000K						TYPE:硅胶			WEIGHT:		
DIM.: 16.5mm*16.5mm						SPEC.:			SERIAL No.:20220725		
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	13.9	15.3	14.2	15.6	15.9	13.8	15.3	14.1	15.5	15.8	
	3H	15.5	16.8	15.8	17.1	17.4	15.3	16.7	15.7	17.0	17.3
	4H	16.1	17.4	16.5	17.8	18.1	16.0	17.3	16.3	17.6	17.9
	6H	16.6	17.9	17.0	18.2	18.5	16.4	17.6	16.8	18.0	18.3
	8H	16.8	18.0	17.2	18.3	18.7	16.6	17.7	16.9	18.1	18.4
	12H	16.9	18.1	17.3	18.4	18.8	16.6	17.8	17.0	18.1	18.5
4H	2H	14.5	15.8	14.8	16.1	16.4	14.4	15.7	14.8	16.0	16.4
	3H	16.3	17.4	16.7	17.8	18.2	16.2	17.3	16.6	17.7	18.0
	4H	17.1	18.1	17.5	18.5	18.9	16.9	17.9	17.3	18.3	18.7
	6H	17.7	18.6	18.2	19.0	19.5	17.5	18.4	17.9	18.8	19.3
	8H	17.9	18.8	18.4	19.2	19.7	17.7	18.5	18.1	19.0	19.4
	12H	18.1	18.9	18.6	19.4	19.8	17.8	18.6	18.3	19.1	19.5
8H	4H	17.4	18.2	17.8	18.6	19.1	17.2	18.1	17.7	18.5	19.0
	6H	18.2	18.9	18.7	19.3	19.8	17.9	18.6	18.4	19.1	19.6
	8H	18.5	19.1	19.0	19.6	20.1	18.2	18.8	18.7	19.3	19.9
	12H	18.8	19.3	19.3	19.8	20.4	18.4	19.0	19.0	19.5	20.0
12H	4H	17.4	18.2	17.8	18.6	19.1	17.2	18.0	17.7	18.5	18.9
	6H	18.2	18.8	18.7	19.3	19.9	18.0	18.6	18.5	19.1	19.7
	8H	18.6	19.1	19.1	19.6	20.2	18.3	18.9	18.9	19.4	19.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3					

CIE Pub.117 Corrected 424.1 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:2022-07-25

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:48.00V I:0.2408A P:11.56W PF:1.000 Lamp Flux:424.051x1 lm		
NAME: SF16-48V-3528-140-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:20220725
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

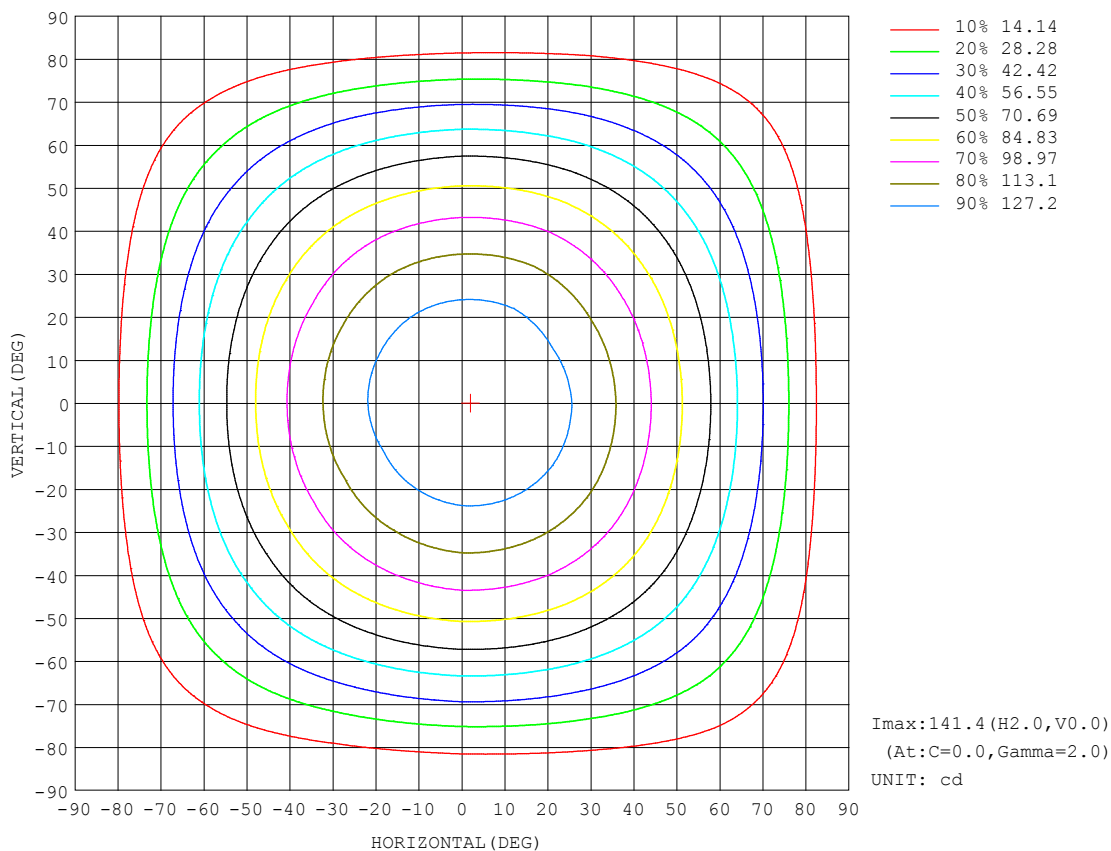
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	43	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	74	63	56	73	62	55	71	64	55	47
1.25	82	71	64	80	70	63	77	68	62	54
1.50	87	76	69	85	75	69	81	73	67	59
2.00	93	85	78	91	83	77	87	81	75	67
2.50	97	89	83	95	88	82	91	85	80	71
3.00	101	94	88	98	92	87	94	89	84	75
4.00	105	99	94	102	97	93	97	93	89	80
5.00	107	102	98	105	100	96	100	96	93	83
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:2022-07-25

$\gamma$  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:48.00V I:0.2408A P:11.56W PF:1.000 Lamp Flux:424.05lx1 lm		
NAME: SF16-48V-3528-140-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:20220725
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

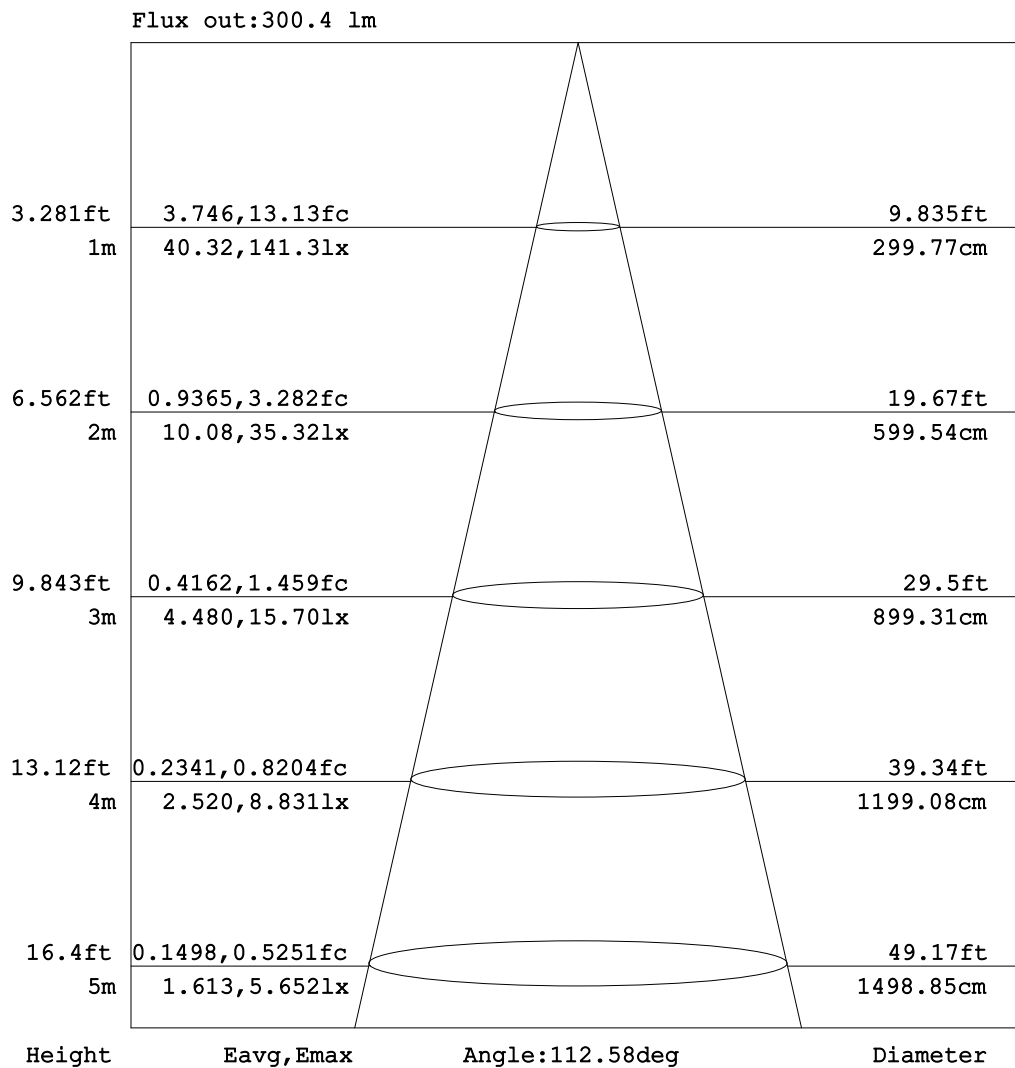


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-07-25

$\gamma$  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:48.00V I:0.2408A P:11.56W PF:1.000 Lamp Flux:424.05lx1 lm		
NAME: SF16-48V-3528-140-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:20220725
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.

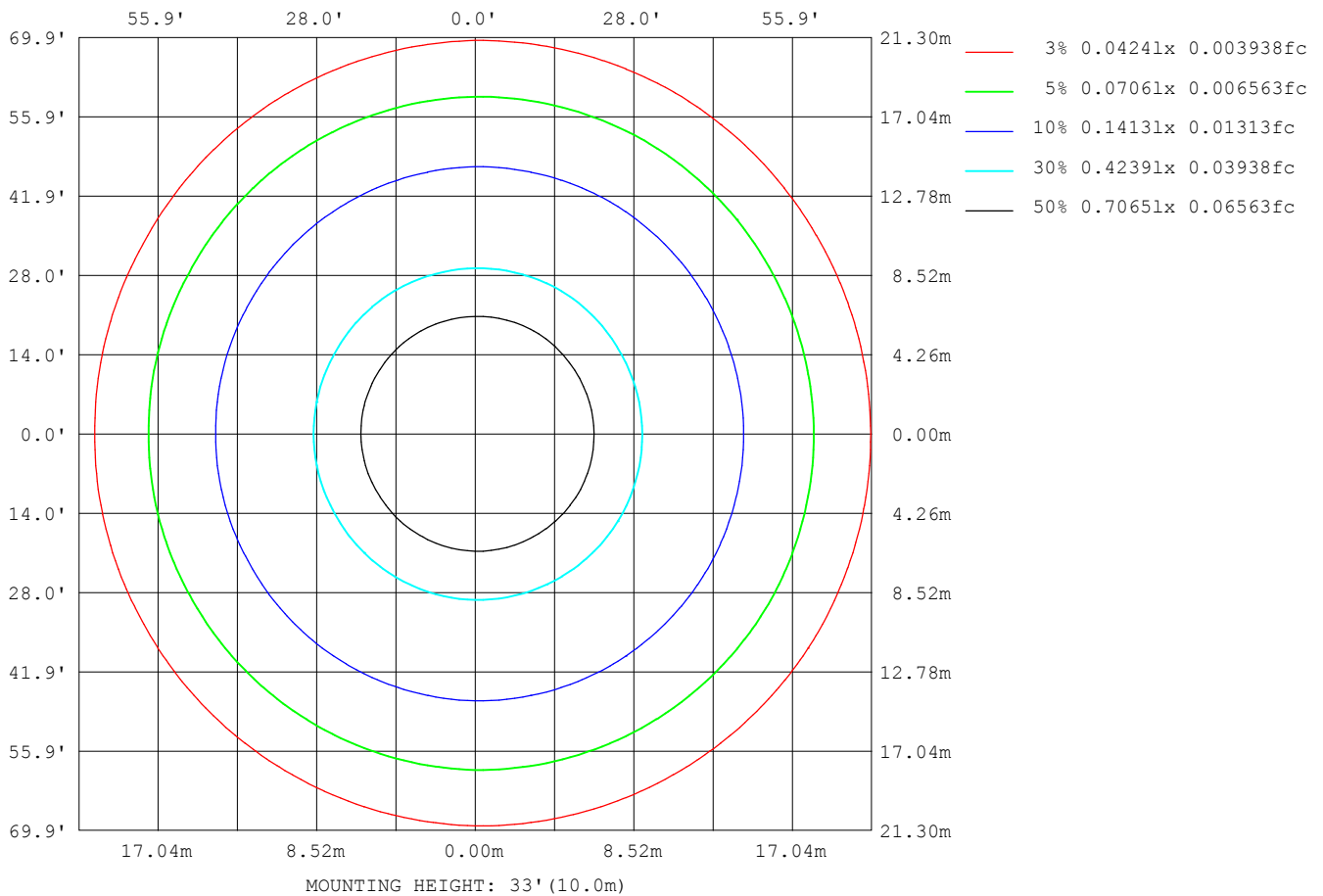
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: HXJ  
Test Date: 2022-07-25

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

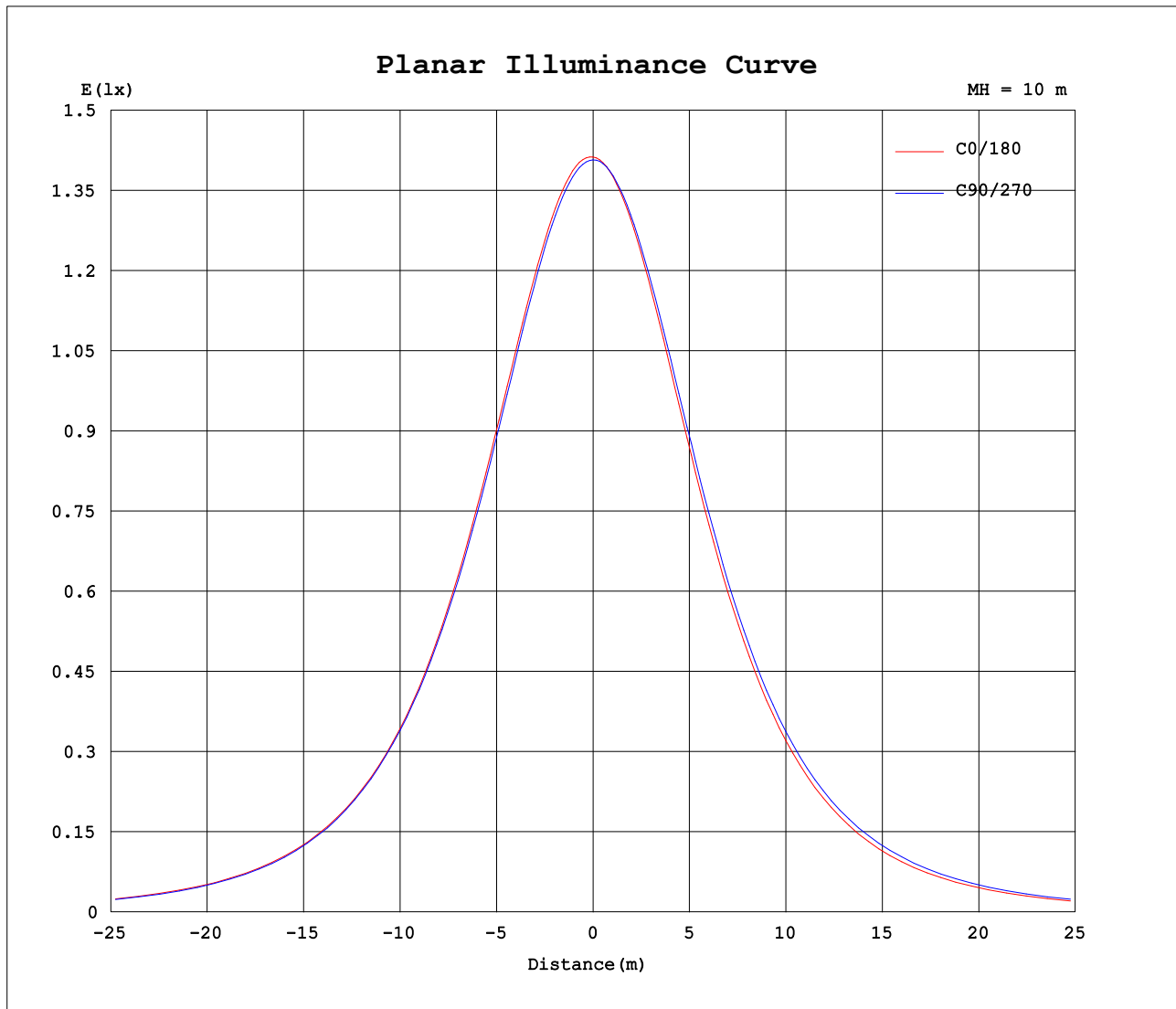
Test:U:48.00V I:0.2408A P:11.56W PF:1.000 Lamp Flux:424.05lx 1m		
NAME: SF16-48V-3528-140-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.: 20220725
MFR.: OLYMPIA	SUR.: 1*0.0165	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: HXJ  
Test Date: 2022-07-25

$\gamma$  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: 2022-07-25

$\gamma$  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:48.00V I:0.2408A P:11.56W PF:1.000 Lamp Flux:424.051x1 lm		
NAME: SF16-48V-3528-140-3000K	TYPE:硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:20220725
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	141	141	141	141	141	140	141	141	141	141	141	140						
5	141	141	141	140	140	139	140	140	140	140	140	140						
10	140	140	139	138	138	137	138	138	138	138	139	138						
15	137	137	136	135	134	133	134	134	135	135	136	136						
20	133	133	132	131	130	129	129	130	131	131	132	132						
25	128	128	127	126	124	123	123	124	125	126	127	127						
30	122	122	121	120	118	116	117	117	119	120	121	121						
35	114	114	114	113	110	109	109	109	111	112	114	113						
40	106	106	106	105	102	100	100	101	103	104	106	105						
45	97.2	97.4	97.1	96.1	93.5	90.9	90.8	91.7	93.8	95.5	96.9	96.5						
50	87.4	87.6	87.4	86.3	83.7	81.0	80.7	81.7	83.9	85.8	87.1	86.8						
55	76.9	77.1	76.8	75.7	73.2	70.6	70.1	71.0	73.5	75.8	76.8	76.5						
60	65.9	66.2	65.6	64.5	61.9	59.8	59.0	59.9	62.7	64.9	65.9	65.4						
65	54.4	54.7	53.8	52.7	50.2	48.3	47.5	48.5	51.3	53.3	54.3	54.1						
70	42.6	42.8	41.8	41.0	38.2	36.6	35.8	36.7	39.2	41.0	42.2	42.2						
75	30.7	30.9	29.7	28.7	26.3	25.0	24.3	25.1	27.1	29.0	30.1	30.4						
80	19.2	19.5	18.2	17.5	15.2	14.3	13.7	14.2	15.6	17.2	18.4	18.9						
85	9.51	9.65	8.64	8.11	6.63	6.51	5.78	6.12	6.54	7.46	8.41	9.04						
90	3.75	3.95	3.63	3.65	3.30	2.88	1.91	2.30	2.62	2.93	2.97	3.26						
95	1.80	2.23	2.99	3.47	3.00	2.25	1.15	1.67	2.32	2.80	2.23	1.58						
100	1.70	2.16	2.90	3.32	2.98	2.21	1.10	1.59	2.36	2.74	2.22	1.49						
105	1.71	2.14	2.83	3.16	2.94	2.25	1.16	1.62	2.36	2.68	2.22	1.47						
110	1.74	2.15	2.76	2.98	2.87	2.29	1.29	1.64	2.36	2.64	2.22	1.48						
115	1.84	2.17	2.70	2.84	2.79	2.32	1.41	1.71	2.37	2.60	2.22	1.51						
120	1.95	2.20	2.63	2.69	2.71	2.34	1.54	1.76	2.37	2.58	2.23	1.58						
125	2.04	2.23	2.58	2.60	2.63	2.36	1.66	1.83	2.37	2.54	2.23	1.64						
130	2.14	2.27	2.53	2.54	2.57	2.38	1.79	1.91	2.37	2.51	2.24	1.72						
135	2.24	2.33	2.52	2.52	2.55	2.43	1.94	1.98	2.39	2.49	2.26	1.82						
140	2.33	2.40	2.52	2.55	2.56	2.47	2.08	2.08	2.40	2.49	2.29	1.93						
145	2.41	2.47	2.54	2.60	2.57	2.54	2.22	2.20	2.42	2.50	2.32	2.06						
150	2.50	2.55	2.55	2.65	2.60	2.61	2.35	2.31	2.45	2.50	2.36	2.21						
155	2.60	2.63	2.60	2.70	2.65	2.67	2.47	2.43	2.50	2.51	2.43	2.32						
160	2.66	2.71	2.69	2.76	2.70	2.74	2.60	2.54	2.59	2.52	2.53	2.46						
165	2.73	2.78	2.73	2.82	2.76	2.79	2.70	2.64	2.69	2.62	2.65	2.56						
170	2.79	2.83	2.79	2.85	2.80	2.82	2.79	2.72	2.78	2.71	2.74	2.66						
175	2.85	2.85	2.85	2.88	2.84	2.83	2.86	2.79	2.84	2.78	2.82	2.73						
180	2.85	2.85	2.87	2.88	2.85	2.83	2.86	2.85	2.86	2.85	2.85	2.79						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-07-25

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	141.3	141.1	140.9	140.7	140.6	139.9	141.3	141.1	140.9	140.7
3.0	141.4	141.1	140.8	140.5	140.2	139.5	140.8	140.6	140.6	140.6
6.0	141.0	140.7	140.3	139.8	139.3	138.5	139.8	139.7	139.8	140.0
9.0	140.1	139.9	139.3	138.8	138.0	137.2	138.3	138.3	138.6	138.9
12.0	138.7	138.5	137.9	137.3	136.3	135.4	136.5	136.5	137.0	137.4
15.0	136.9	136.8	136.0	135.4	134.2	133.3	134.2	134.2	135.0	135.5
18.0	134.7	134.6	133.7	133.0	131.7	130.5	131.4	131.6	132.5	133.2
21.0	132.0	131.9	131.0	130.2	128.7	127.6	128.2	128.5	129.6	130.5
24.0	129.0	128.9	128.0	127.1	125.4	124.1	124.7	125.0	126.3	127.3
27.0	125.5	125.5	124.5	123.5	121.7	120.3	120.9	121.4	122.7	123.9
30.0	121.7	121.5	120.7	119.8	117.7	116.2	116.6	117.0	118.7	119.8
33.0	117.4	117.5	116.6	115.7	113.4	111.7	112.0	112.5	114.4	115.8
36.0	112.8	112.9	112.2	111.3	108.9	106.9	107.1	107.7	109.7	110.9
39.0	107.9	108.0	107.5	106.6	104.0	101.9	102.0	102.5	104.8	106.3
42.0	102.7	103.0	102.4	101.6	98.90	96.55	96.49	97.08	99.43	101.0
45.0	97.15	97.38	97.09	96.13	93.47	90.87	90.77	91.65	93.83	95.51
48.0	91.35	91.67	91.36	90.49	87.69	85.04	84.77	85.79	87.94	89.76
51.0	85.37	85.66	85.39	84.34	81.71	78.87	78.63	79.65	81.85	83.82
54.0	79.07	79.33	78.99	77.81	75.33	72.80	72.21	73.36	75.60	77.88
57.0	72.58	72.97	72.37	71.23	68.69	66.22	65.70	66.72	69.24	71.57
60.0	65.95	66.18	65.58	64.48	61.91	59.76	58.95	59.94	62.70	64.92
63.0	59.06	59.30	58.54	57.55	54.91	52.73	52.10	53.20	55.89	58.18
66.0	52.09	52.35	51.44	50.22	47.84	45.97	45.19	46.20	48.91	50.92
69.0	44.97	45.23	44.17	43.39	40.60	38.84	38.13	39.04	41.64	43.53
72.0	37.82	38.04	36.94	36.36	33.45	31.73	31.10	32.09	34.32	36.34
75.0	30.67	30.93	29.68	28.67	26.35	25.01	24.25	25.07	27.09	29.01
78.0	23.67	23.89	22.65	22.09	19.49	18.39	17.70	18.36	20.08	21.61
81.0	17.11	17.23	16.12	15.17	13.21	12.47	11.81	12.24	13.57	14.98
84.0	11.17	11.38	10.25	9.804	7.940	7.703	7.026	7.332	8.048	9.140
87.0	6.684	6.742	5.915	5.492	4.574	4.548	3.811	4.024	4.279	4.841
90.0	3.748	3.950	3.634	3.653	3.305	2.877	1.911	2.295	2.616	2.933
93.0	2.170	2.521	3.051	3.528	3.046	2.352	1.276	1.780	2.312	2.835
96.0	1.750	2.196	2.956	3.432	2.990	2.206	1.139	1.634	2.317	2.779
99.0	1.714	2.159	2.910	3.337	2.985	2.206	1.107	1.593	2.342	2.754
102.0	1.706	2.149	2.875	3.231	2.960	2.216	1.106	1.603	2.358	2.709
105.0	1.712	2.139	2.835	3.161	2.940	2.247	1.156	1.618	2.360	2.684
108.0	1.719	2.141	2.794	3.040	2.895	2.277	1.242	1.633	2.361	2.659
111.0	1.759	2.146	2.754	2.940	2.850	2.292	1.317	1.653	2.363	2.634
114.0	1.819	2.161	2.709	2.860	2.805	2.307	1.382	1.704	2.365	2.613
117.0	1.880	2.176	2.669	2.764	2.749	2.322	1.453	1.724	2.366	2.598
120.0	1.955	2.196	2.633	2.694	2.709	2.337	1.543	1.764	2.368	2.578
123.0	2.010	2.216	2.598	2.623	2.664	2.342	1.604	1.809	2.369	2.558
126.0	2.060	2.242	2.568	2.573	2.614	2.362	1.689	1.844	2.371	2.533
129.0	2.116	2.267	2.538	2.544	2.583	2.372	1.769	1.895	2.367	2.518
132.0	2.191	2.292	2.533	2.531	2.563	2.392	1.855	1.940	2.373	2.503
135.0	2.236	2.332	2.518	2.523	2.554	2.427	1.940	1.980	2.387	2.494
138.0	2.292	2.367	2.518	2.538	2.555	2.458	2.021	2.035	2.397	2.489
141.0	2.357	2.413	2.518	2.553	2.559	2.483	2.096	2.111	2.407	2.493
144.0	2.392	2.453	2.518	2.583	2.564	2.528	2.191	2.171	2.422	2.497
147.0	2.442	2.503	2.533	2.618	2.568	2.563	2.267	2.236	2.433	2.501
150.0	2.498	2.553	2.548	2.649	2.598	2.608	2.352	2.312	2.448	2.505
153.0	2.548	2.593	2.598	2.674	2.623	2.649	2.423	2.377	2.473	2.509
156.0	2.598	2.639	2.623	2.709	2.668	2.694	2.493	2.452	2.513	2.513
159.0	2.638	2.689	2.678	2.749	2.699	2.734	2.573	2.528	2.573	2.516
162.0	2.684	2.739	2.704	2.789	2.729	2.774	2.634	2.603	2.639	2.558
165.0	2.734	2.779	2.734	2.819	2.764	2.794	2.704	2.643	2.694	2.623
168.0	2.769	2.819	2.767	2.840	2.784	2.820	2.759	2.699	2.749	2.679
171.0	2.804	2.840	2.789	2.870	2.804	2.823	2.810	2.754	2.795	2.724
174.0	2.844	2.847	2.824	2.880	2.829	2.826	2.850	2.779	2.840	2.769
177.0	2.855	2.855	2.850	2.880	2.845	2.829	2.865	2.809	2.860	2.799
180.0	2.855	2.855	2.870	2.880	2.855	2.829	2.860	2.855	2.860	2.855
G/C	300.0	330.0								
0.0	140.6	139.9								
3.0	140.5	140.0								
6.0	140.1	139.6								
9.0	139.2	138.7								
12.0	137.9	137.4								
15.0	136.1	135.6								
18.0	133.9	133.4								
21.0	131.3	130.8								
24.0	128.2	127.8								
27.0	124.8	124.4								
30.0	121.0	120.6								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: HXJ  
 Test Date: 2022-07-25

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:

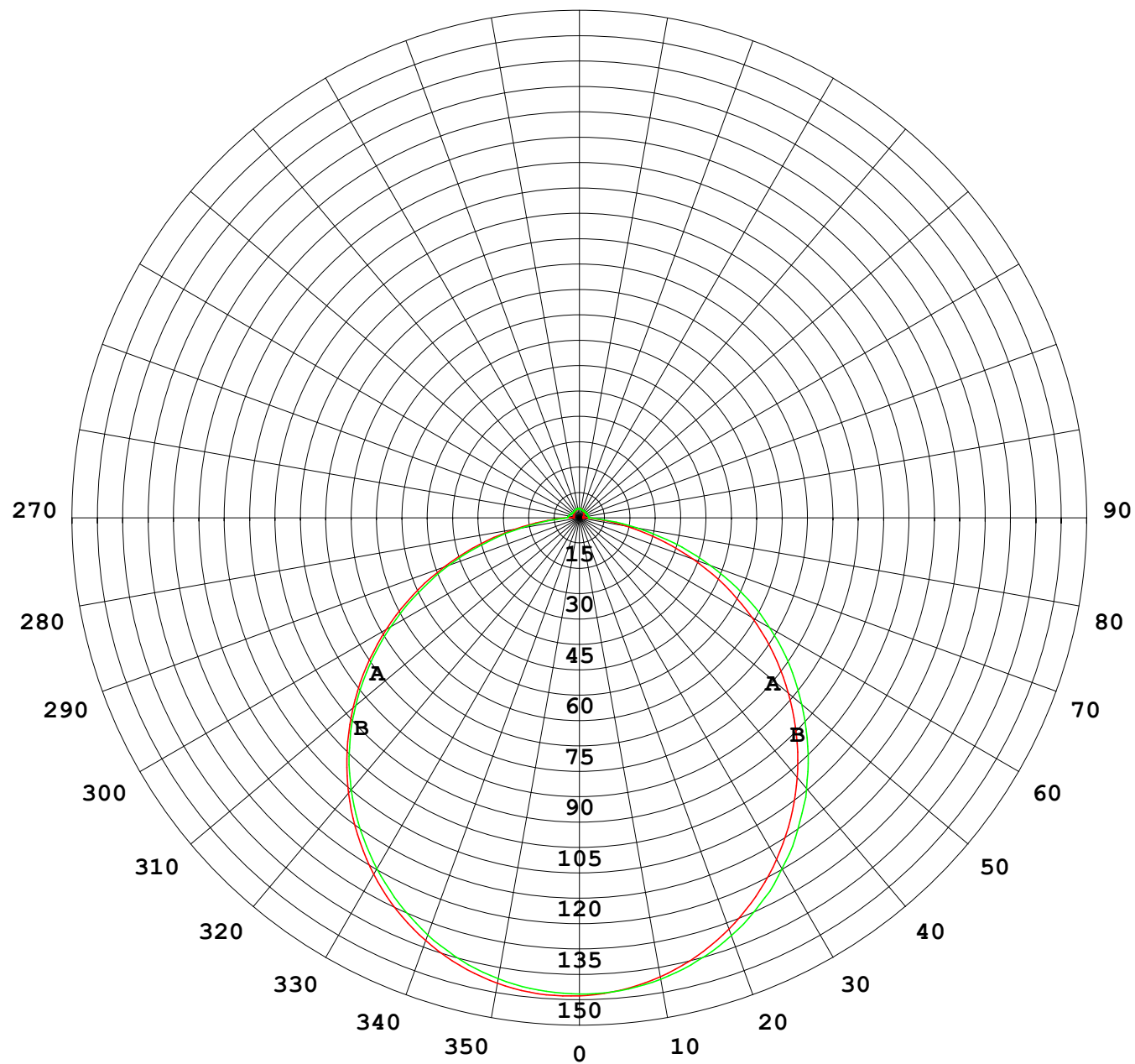
## Photometric Data Table [cd]

33.0	116.9	116.4
36.0	112.4	111.9
39.0	107.6	107.1
42.0	102.4	101.9
45.0	96.90	96.53
48.0	91.14	90.75
51.0	85.13	84.81
54.0	78.92	78.67
57.0	72.54	72.15
60.0	65.88	65.40
63.0	58.97	58.67
66.0	51.92	51.70
69.0	44.65	44.49
72.0	37.32	37.51
75.0	30.05	30.37
78.0	22.97	23.33
81.0	16.24	16.72
84.0	10.19	10.70
87.0	5.477	6.088
90.0	2.966	3.258
93.0	2.241	1.857
96.0	2.226	1.553
99.0	2.221	1.508
102.0	2.222	1.468
105.0	2.223	1.471
108.0	2.223	1.474
111.0	2.224	1.477
114.0	2.224	1.508
117.0	2.225	1.543
120.0	2.225	1.578
123.0	2.226	1.628
126.0	2.229	1.658
129.0	2.232	1.719
132.0	2.242	1.779
135.0	2.257	1.824
138.0	2.272	1.880
141.0	2.292	1.950
144.0	2.312	2.035
147.0	2.332	2.111
150.0	2.362	2.206
153.0	2.397	2.271
156.0	2.448	2.347
159.0	2.518	2.442
162.0	2.579	2.488
165.0	2.649	2.558
168.0	2.709	2.613
171.0	2.759	2.679
174.0	2.800	2.719
177.0	2.840	2.759
180.0	2.855	2.789

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-07-25

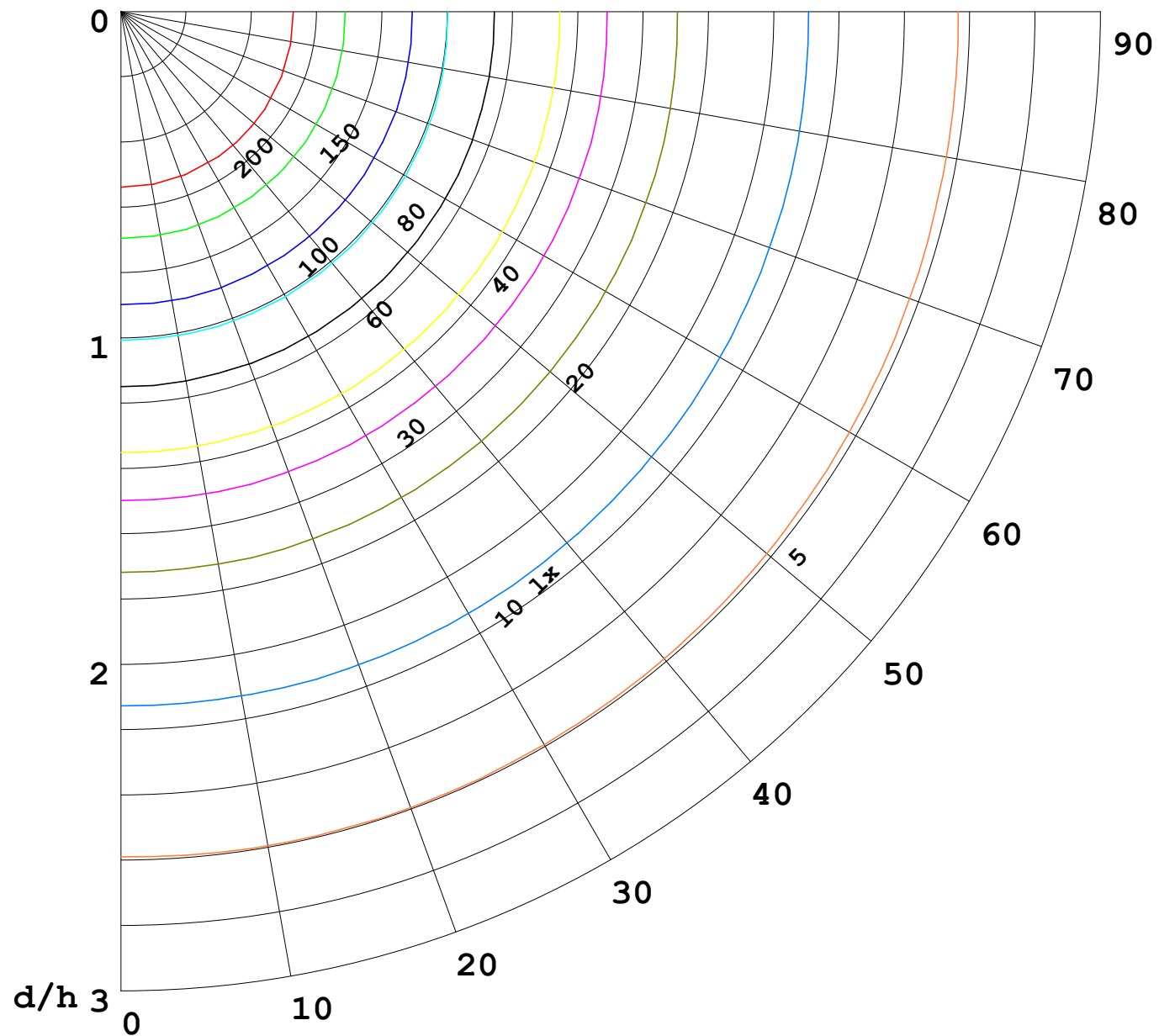
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

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

