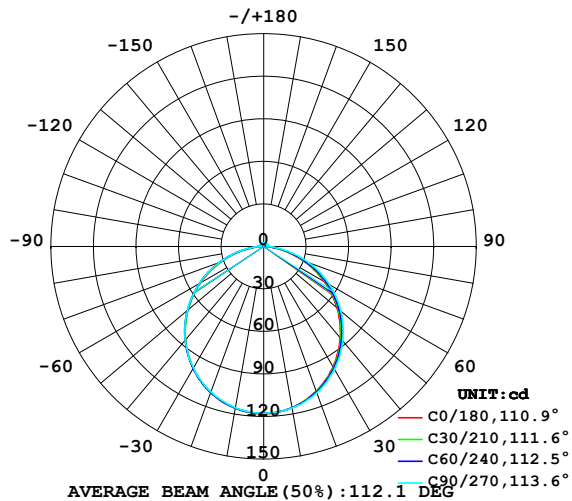


## LUMINAIRE PHOTOMETRIC TEST REPORT

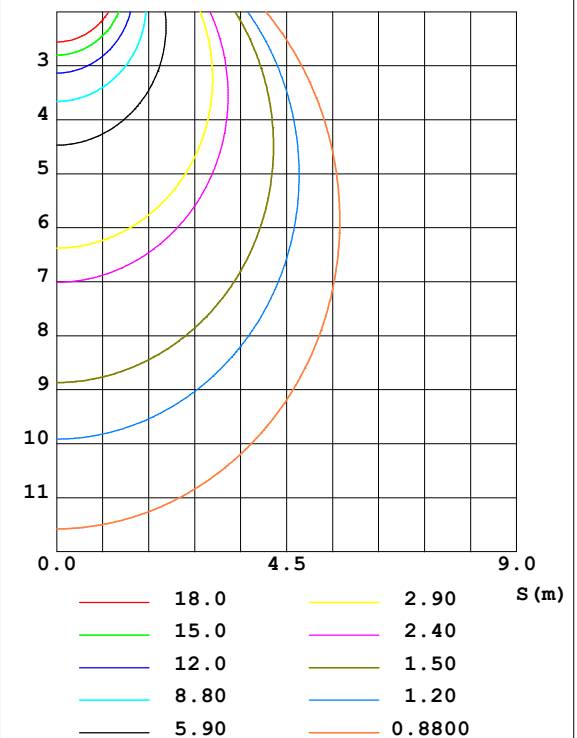
Test:U:48.00V I:0.2397A P:11.51W PF:1.000 Lamp Flux:349.77x1 lm		
NAME: SF15-48V-3528-140-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21mm*11.5mm	SPEC.:	SERIAL No.:20220725
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 30.40 lm/W			
MODEL	3528	I <sub>max</sub> (cd)	117.9	S/MH (C0/180)	1.24
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	48	TOTAL FLUX (lm)	349.77	η UP, DN (C0-180)	2.1, 48.1
NOMINAL FLUX (lm)	349.77	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.8, 48.0
LAMPS INSIDE	1	η up (%)	3.9	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	48.0	η down (%)	96.1	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



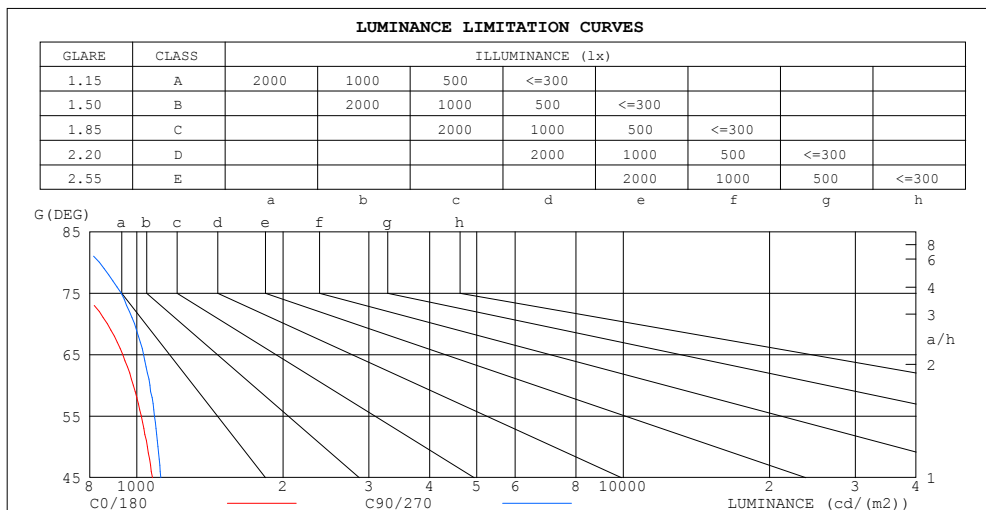
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-07-25

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	115.4	115.5	115.6	115.3	115.9	115.7	115.5	114.8	0- 10	11.12	11.12	3.18,3.18
20	108.6	109.0	109.8	109.3	109.6	109.5	109.1	108.3	10- 20	31.82	42.94	12.3,12.3
30	97.98	98.77	99.94	99.51	99.40	99.38	99.12	97.98	20- 30	48.15	91.09	26,26
40	84.08	85.25	86.79	86.38	85.94	86.09	86.13	84.51	30- 40	57.95	149.0	42.6,42.6
50	67.59	69.03	71.08	70.68	69.83	70.08	70.35	68.39	40- 50	60.07	209.1	59.8,59.8
60	49.22	50.77	53.21	52.96	51.73	52.13	52.54	50.31	50- 60	54.33	263.4	75.3,75.3
70	29.75	31.17	33.84	33.81	32.41	32.98	33.42	31.11	60- 70	41.57	305.0	87.2,87.2
80	11.31	12.31	14.55	14.85	13.39	14.07	14.63	12.49	70- 80	23.93	328.9	94,94
90	1.606	1.930	2.684	3.287	1.480	2.039	3.128	2.023	80- 90	7.162	336.1	96.1,96.1
100	1.332	1.803	2.598	3.063	1.030	1.804	2.815	1.820	90-100	2.279	338.4	96.7,96.7
110	1.452	1.892	2.583	3.141	1.222	1.879	2.664	1.854	100-110	2.212	340.6	97.4,97.4
120	1.628	1.977	2.577	3.138	1.433	1.937	2.568	1.897	110-120	2.132	342.7	98,98
130	1.804	2.036	2.578	3.010	1.619	2.012	2.498	1.952	120-130	1.968	344.7	98.5,98.5
140	1.940	2.108	2.578	2.822	1.835	2.069	2.458	2.010	130-140	1.722	346.4	99,99
150	2.080	2.184	2.595	2.650	2.041	2.122	2.429	2.076	140-150	1.413	347.8	99.4,99.4
160	2.206	2.287	2.528	2.540	2.191	2.203	2.372	2.151	150-160	1.058	348.9	99.7,99.7
170	2.312	2.365	2.442	2.462	2.302	2.317	2.335	2.254	160-170	0.6590	349.5	99.9,99.9
180	2.387	2.390	2.392	2.415	2.377	2.375	2.382	2.380	170-180	0.2257	349.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	523	756
80	651	838
75	778	929
70	870	989
65	936	1033
60	984	1064
55	1021	1087
50	1052	1106
45	1077	1120

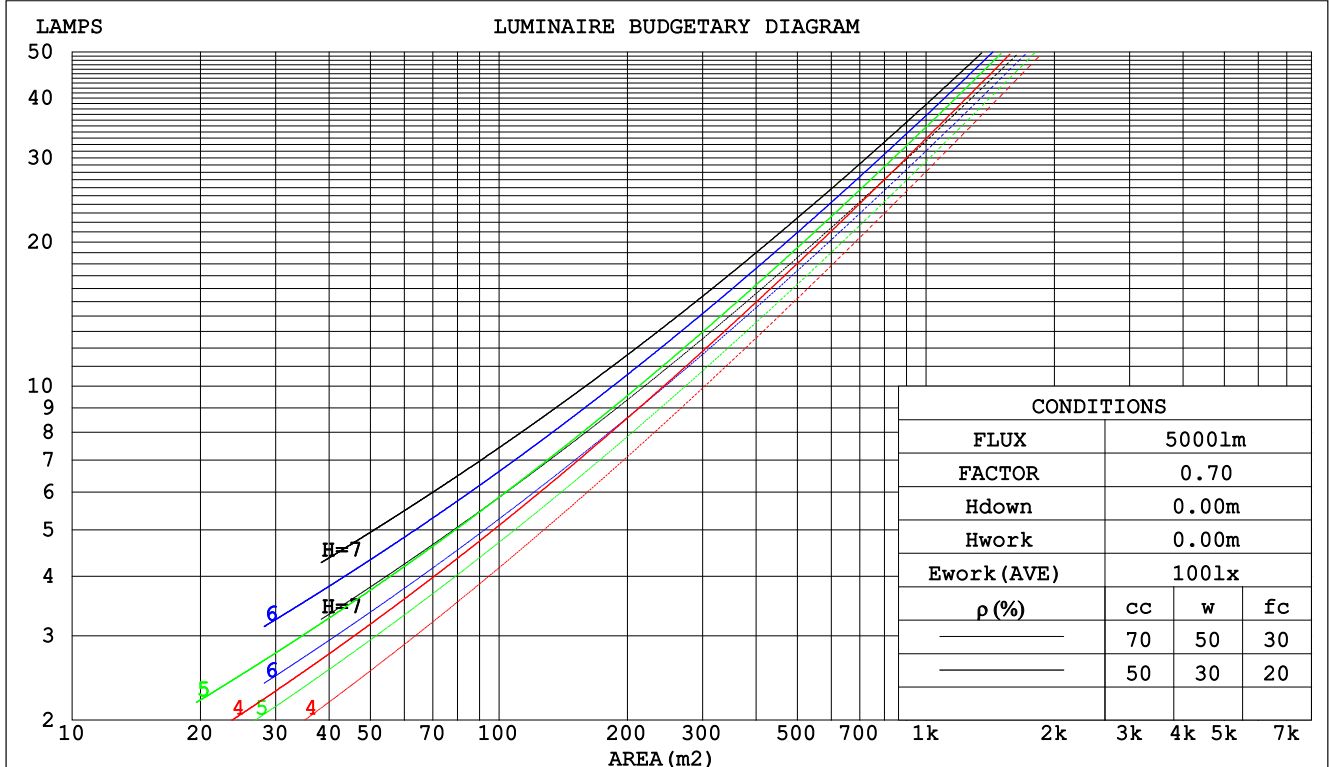
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-07-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  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:0.2397A P:11.51W PF:1.000 Lamp Flux:349.77x1 lm		
NAME: SF15-48V-3528-140-3000K	TYPE:硅胶	WEIGHT:
DIM.: 21mm*11.5mm	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	1.03	1.03	1.03	.98	.98	.98	.96
1.0	1.03	.99	.95	1.00	.96	.93	.95	.92	.89	.91	.88	.86	.86	.84	.82	.80
2.0	.90	.83	.77	.87	.81	.76	.83	.78	.73	.79	.75	.71	.76	.72	.69	.67
3.0	.79	.70	.64	.77	.69	.63	.73	.67	.61	.70	.64	.60	.67	.62	.58	.56
4.0	.69	.61	.54	.68	.60	.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	.55	.46	.40	.52	.45	.39	.50	.44	.39	.48	.43	.38	.36
7.0	.51	.42	.36	.50	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.36	.31	.42	.35	.31	.41	.35	.30	.28
9.0	.42	.34	.29	.42	.34	.28	.40	.33	.28	.39	.32	.28	.37	.32	.27	.25
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.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:0.2397A P:11.51W PF:1.000 Lamp Flux:349.77x1 lm		
NAME: SF15-48V-3528-140-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21mm*11.5mm	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	.311	.177	.056	.303	.173	.055	.287	.165	.053	.273	.157	.051	.260	.151	.049	
2.0	.291	.160	.049	.284	.156	.048	.270	.150	.047	.258	.145	.045	.246	.139	.044	
3.0	.269	.143	.043	.263	.141	.042	.250	.136	.041	.239	.131	.040	.229	.127	.039	
4.0	.248	.129	.038	.242	.127	.038	.232	.123	.037	.221	.119	.036	.212	.115	.035	
5.0	.229	.117	.034	.224	.115	.034	.214	.112	.033	.205	.108	.032	.197	.105	.032	
6.0	.213	.107	.031	.208	.105	.030	.199	.102	.030	.191	.099	.029	.183	.097	.029	
7.0	.198	.098	.028	.194	.097	.028	.186	.094	.027	.178	.091	.027	.171	.089	.026	
8.0	.185	.090	.025	.181	.089	.025	.174	.087	.025	.167	.085	.024	.161	.083	.024	
9.0	.173	.084	.023	.170	.083	.023	.163	.081	.023	.157	.079	.023	.151	.077	.022	
10.0	.163	.078	.022	.160	.077	.022	.154	.075	.021	.148	.074	.021	.143	.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	.220	.220	.220	.188	.188	.188	.128	.128	.128	.074	.074	.074	.024	.024	.024	
1.0	.210	.186	.164	.180	.160	.141	.123	.110	.098	.071	.064	.057	.023	.020	.018	
2.0	.202	.162	.128	.173	.140	.111	.119	.097	.077	.069	.056	.045	.022	.018	.015	
3.0	.195	.145	.105	.167	.125	.091	.115	.087	.064	.066	.051	.038	.021	.016	.012	
4.0	.187	.131	.089	.161	.114	.077	.110	.079	.054	.064	.046	.032	.021	.015	.011	
5.0	.180	.121	.078	.154	.105	.068	.106	.073	.048	.062	.043	.028	.020	.014	.009	
6.0	.173	.113	.070	.148	.098	.061	.102	.068	.043	.059	.040	.026	.019	.013	.008	
7.0	.166	.106	.064	.143	.092	.056	.099	.064	.040	.057	.038	.024	.019	.012	.008	
8.0	.159	.100	.060	.137	.087	.052	.095	.061	.037	.055	.036	.022	.018	.012	.007	
9.0	.153	.095	.056	.132	.083	.049	.092	.058	.035	.053	.034	.021	.017	.011	.007	
10.0	.148	.091	.053	.127	.079	.047	.088	.056	.033	.052	.033	.020	.017	.011	.007	

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:0.2397A P:11.51W PF:1.000 Lamp Flux:349.77x1 lm										
NAME: SF15-48V-3528-140-3000K						TYPE:硅胶			WEIGHT:	
DIM.: 21mm*11.5mm						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	12.7	14.1	13.0	14.4	14.7	12.9	14.4	13.2	14.7	14.9
3H	14.1	15.4	14.4	15.7	16.1	14.5	15.8	14.8	16.1	16.4
4H	14.6	15.9	15.0	16.2	16.6	15.1	16.4	15.5	16.7	17.0
6H	15.0	16.2	15.3	16.5	16.9	15.6	16.8	15.9	17.1	17.5
8H	15.0	16.2	15.4	16.6	16.9	15.7	16.9	16.1	17.2	17.6
12H	15.1	16.2	15.5	16.6	17.0	15.8	16.9	16.2	17.3	17.7
4H 2H	13.3	14.6	13.6	14.9	15.2	13.5	14.8	13.8	15.1	15.4
3H	14.9	16.0	15.3	16.4	16.8	15.2	16.3	15.6	16.7	17.1
4H	15.5	16.5	16.0	16.9	17.4	15.9	17.0	16.4	17.3	17.8
6H	16.0	16.9	16.4	17.3	17.7	16.5	17.4	17.0	17.8	18.3
8H	16.1	16.9	16.6	17.4	17.8	16.7	17.5	17.2	18.0	18.4
12H	16.2	16.9	16.7	17.4	17.9	16.8	17.6	17.3	18.1	18.5
8H 4H	15.8	16.6	16.2	17.1	17.5	16.1	17.0	16.6	17.4	17.9
6H	16.4	17.1	16.9	17.5	18.0	16.8	17.5	17.3	18.0	18.5
8H	16.5	17.2	17.1	17.7	18.2	17.1	17.7	17.6	18.2	18.8
12H	16.7	17.2	17.2	17.7	18.3	17.3	17.8	17.8	18.4	18.9
12H 4H	15.8	16.6	16.3	17.0	17.5	16.1	16.9	16.6	17.4	17.9
6H	16.4	17.0	16.9	17.5	18.0	16.9	17.5	17.4	18.0	18.5
8H	16.6	17.2	17.2	17.7	18.2	17.2	17.7	17.7	18.2	18.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 349.8 lm Total Lamp Luminous Flux. (8log(F/F0) = -3.6)

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:

### UTILIZATION FACTORS TABLE

Test:U:48.00V I:0.2397A P:11.51W PF:1.000 Lamp Flux:349.77x1 lm		
NAME: SF15-48V-3528-140-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21mm*11.5mm	SPEC.:	SERIAL No.:20220725
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

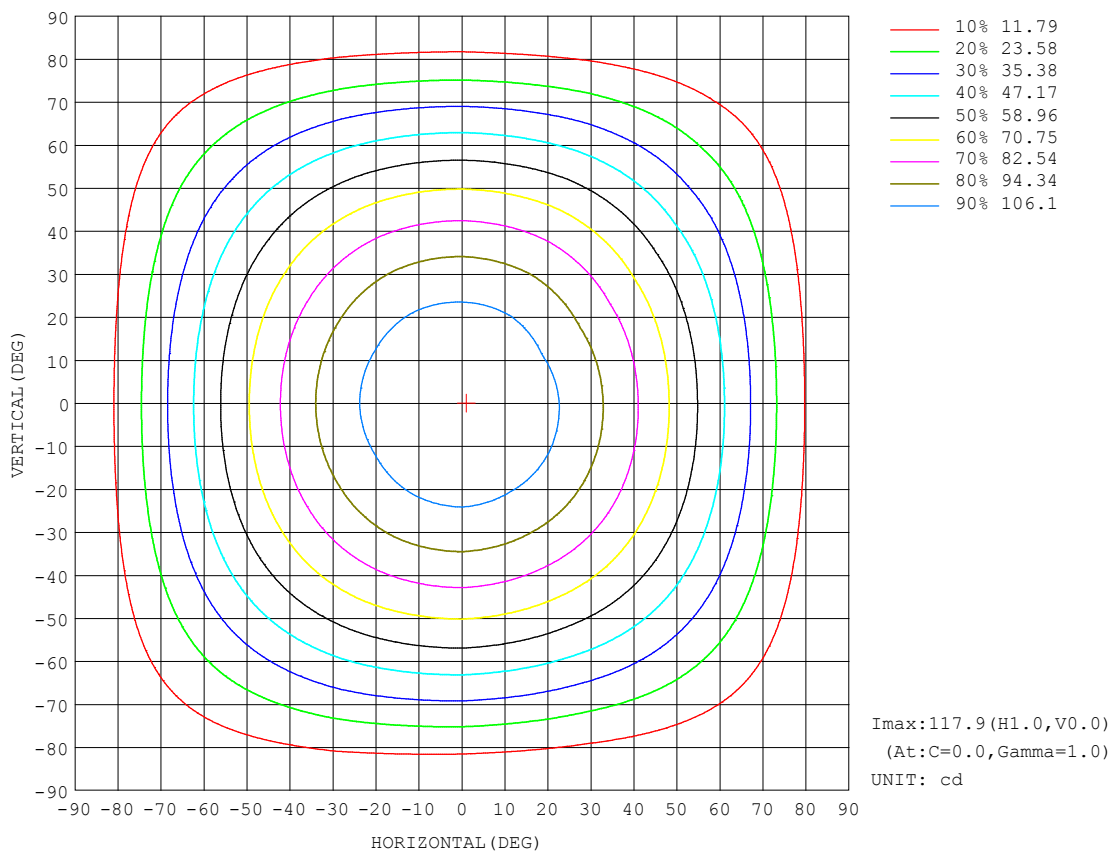
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	47
1.25	82	71	64	80	70	63	77	68	62	54
1.50	87	77	69	85	75	69	81	73	67	59
2.00	94	85	78	91	83	77	87	81	75	67
2.50	98	90	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	79
5.00	107	102	98	105	100	96	99	96	93	82
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:0.2397A P:11.51W PF:1.000 Lamp Flux:349.77x1 lm		
NAME: SF15-48V-3528-140-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21mm*11.5mm	SPEC.:	SERIAL No.:20220725
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

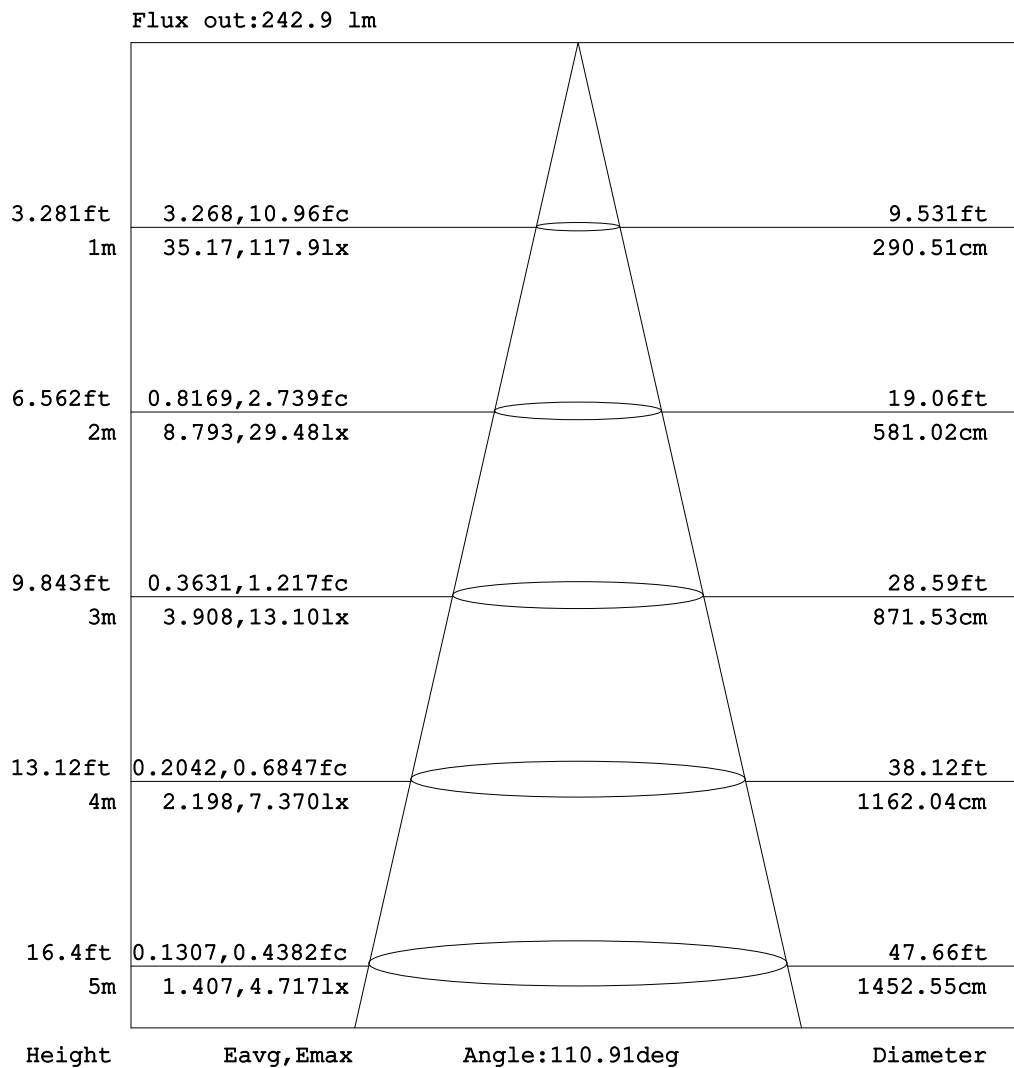


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-07-25

$\gamma$  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:0.2397A P:11.51W PF:1.000 Lamp Flux:349.77x1 lm		
NAME: SF15-48V-3528-140-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21mm*11.5mm	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.

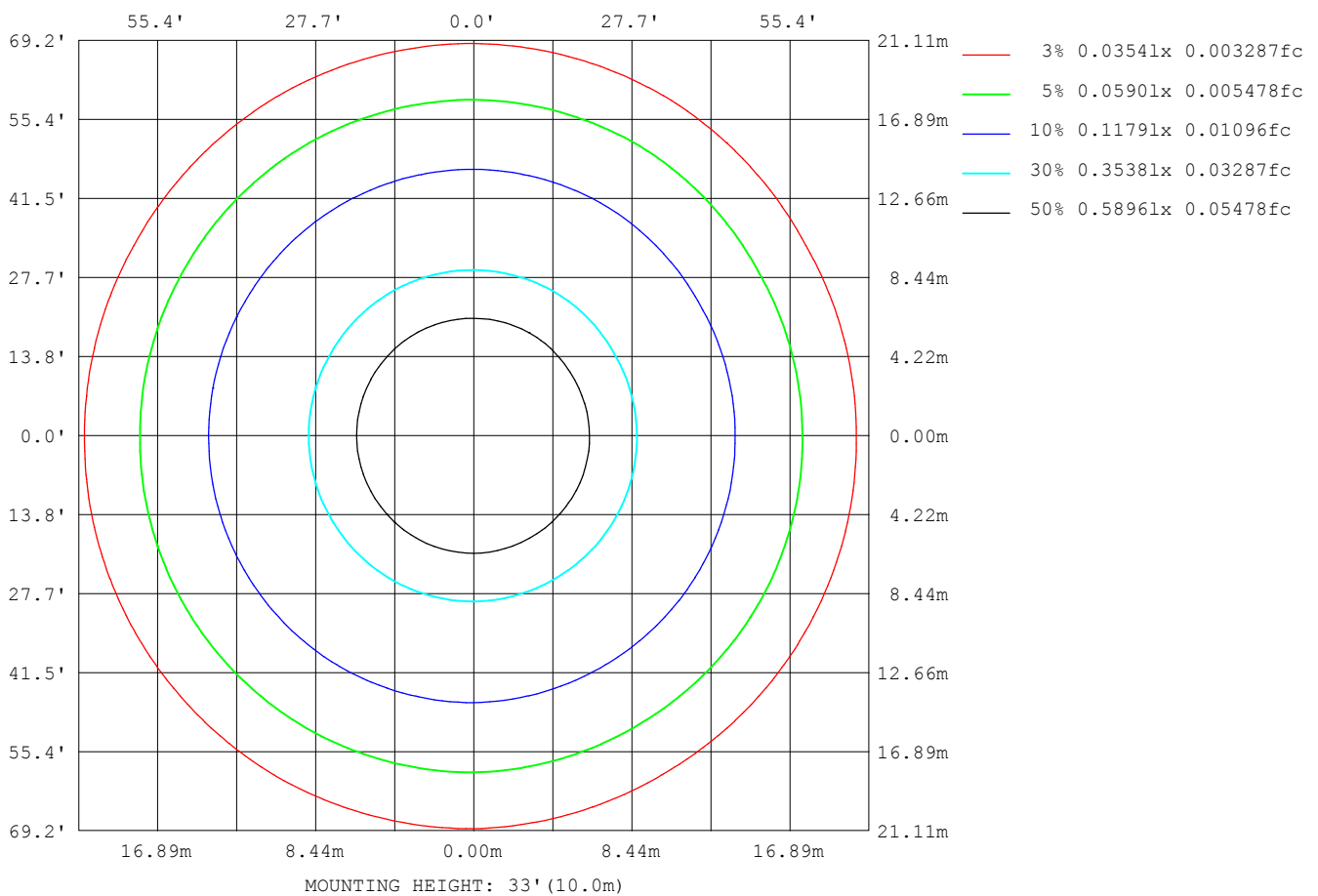
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: HXJ  
Test Date: 2022-07-25

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

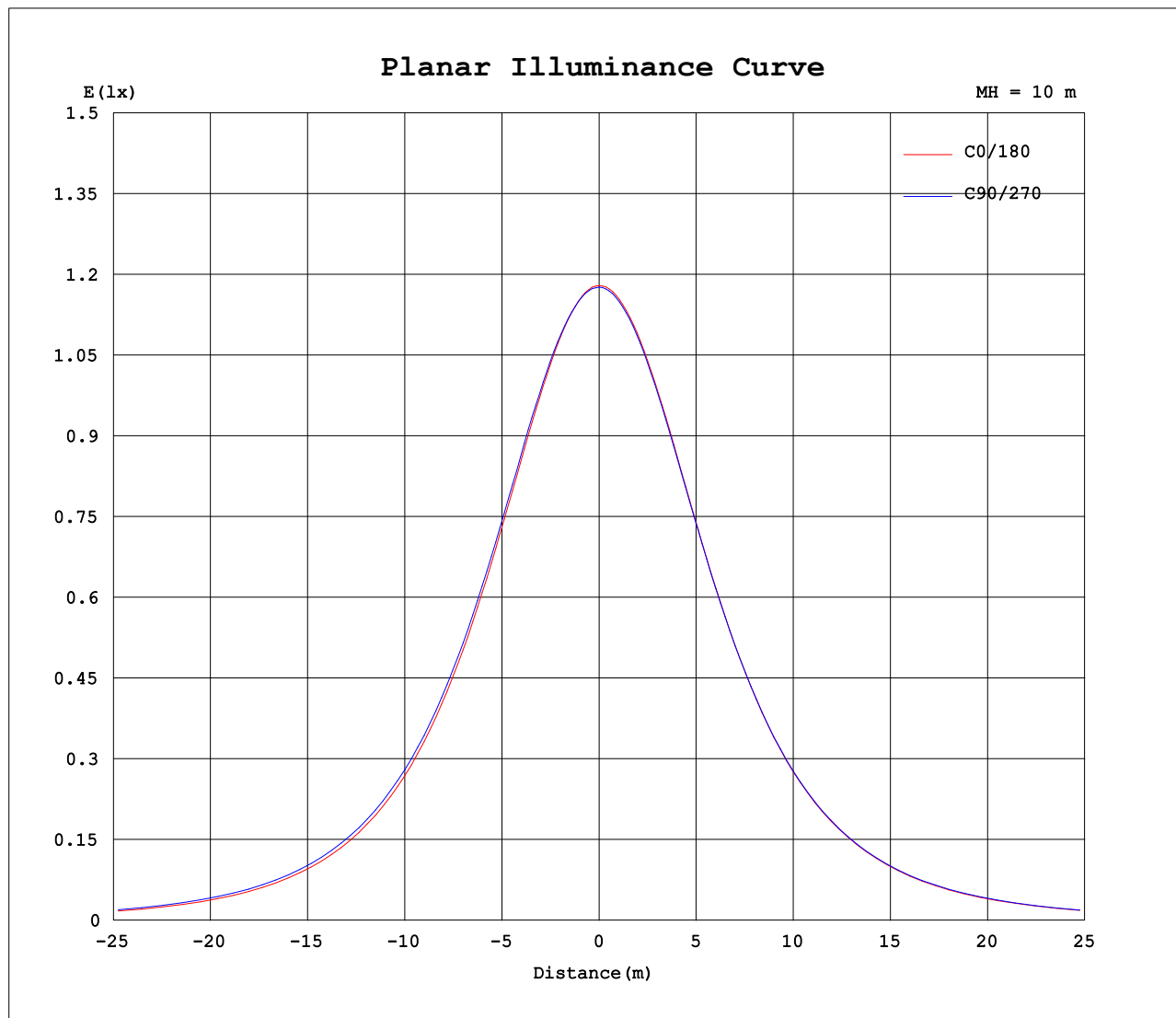
Test:U:48.00V I:0.2397A P:11.51W PF:1.000 Lamp Flux:349.77x1 lm		
NAME: SF15-48V-3528-140-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21mm*11.5mm	SPEC.:	SERIAL No.:20220725
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:



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:0.2397A P:11.51W PF:1.000 Lamp Flux:349.77x1 lm		
NAME: SF15-48V-3528-140-3000K	TYPE:硅胶	WEIGHT:
DIM.: 21mm*11.5mm	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	118	118	118	118	117	117	118	118	118	118	117	117						
5	117	117	117	117	117	116	117	117	117	117	117	116						
10	115	116	116	116	116	115	116	116	116	115	115	114						
15	112	113	113	113	113	112	113	113	113	113	113	111						
20	109	109	109	110	110	109	110	109	110	109	109	108						
25	104	104	105	105	105	105	105	105	105	105	104	103						
30	98.0	98.5	99.0	99.9	99.8	99.2	99.4	99.2	99.5	99.1	98.8	97.2						
35	91.4	92.0	92.7	93.7	93.6	93.0	93.0	92.9	93.3	93.1	92.5	90.7						
40	84.1	84.9	85.6	86.8	86.7	86.0	85.9	85.9	86.3	86.1	85.5	83.6						
45	76.1	77.1	77.8	79.2	79.2	78.5	78.2	78.1	78.6	78.6	77.8	75.7						
50	67.6	68.6	69.5	71.1	71.0	70.3	69.8	69.8	70.4	70.3	69.5	67.3						
55	58.6	59.6	60.6	62.3	62.4	61.7	61.0	61.0	61.7	61.6	60.7	58.4						
60	49.2	50.3	51.3	53.2	53.3	52.6	51.7	51.7	52.6	52.5	51.6	49.1						
65	39.5	40.6	41.6	43.7	43.9	43.1	42.1	42.2	43.1	43.1	42.0	39.6						
70	29.8	30.7	31.7	33.8	34.3	33.3	32.4	32.5	33.5	33.4	32.3	30.0						
75	20.1	20.9	21.9	24.0	24.6	23.8	22.7	22.8	23.7	23.8	22.5	20.4						
80	11.3	11.9	12.7	14.6	15.3	14.4	13.4	13.7	14.5	14.6	13.4	11.6						
85	4.56	4.88	5.32	6.59	7.53	6.69	5.54	5.82	6.57	6.94	5.91	4.65						
90	1.61	1.70	2.16	2.68	3.83	2.74	1.48	1.73	2.35	3.13	2.48	1.57						
95	1.35	1.52	2.09	2.62	3.75	2.28	0.95	1.34	2.24	2.94	2.35	1.33						
100	1.33	1.50	2.10	2.60	3.77	2.35	1.03	1.34	2.27	2.81	2.33	1.31						
105	1.36	1.58	2.13	2.59	3.83	2.41	1.13	1.40	2.28	2.72	2.31	1.33						
110	1.45	1.66	2.12	2.58	3.82	2.46	1.22	1.47	2.29	2.66	2.30	1.41						
115	1.54	1.75	2.11	2.58	3.81	2.47	1.33	1.52	2.29	2.62	2.28	1.48						
120	1.63	1.84	2.11	2.58	3.80	2.48	1.43	1.58	2.29	2.57	2.28	1.52						
125	1.71	1.93	2.09	2.58	3.68	2.48	1.53	1.65	2.29	2.53	2.26	1.58						
130	1.80	2.01	2.06	2.58	3.54	2.48	1.62	1.73	2.29	2.50	2.26	1.64						
135	1.87	2.09	2.07	2.58	3.36	2.48	1.73	1.80	2.30	2.47	2.26	1.72						
140	1.94	2.15	2.07	2.58	3.17	2.48	1.83	1.84	2.29	2.46	2.26	1.76						
145	2.02	2.18	2.08	2.59	2.98	2.47	1.94	1.89	2.29	2.44	2.26	1.83						
150	2.08	2.22	2.15	2.60	2.84	2.46	2.04	1.95	2.29	2.43	2.26	1.89						
155	2.15	2.24	2.25	2.58	2.72	2.45	2.13	2.04	2.29	2.41	2.26	1.97						
160	2.21	2.27	2.30	2.53	2.64	2.44	2.19	2.12	2.29	2.37	2.26	2.04						
165	2.28	2.31	2.37	2.49	2.58	2.43	2.25	2.21	2.29	2.33	2.27	2.13						
170	2.31	2.36	2.37	2.44	2.52	2.40	2.30	2.30	2.34	2.34	2.30	2.21						
175	2.37	2.39	2.38	2.40	2.47	2.39	2.35	2.32	2.37	2.36	2.38	2.29						
180	2.39	2.39	2.39	2.39	2.44	2.39	2.38	2.37	2.38	2.38	2.39	2.37						

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	117.9	117.8	117.7	117.6	117.5	116.8	117.9	117.8	117.7	117.6
3.0	117.7	117.6	117.5	117.5	117.4	116.7	117.8	117.7	117.5	117.4
6.0	117.0	117.0	116.9	116.9	116.8	116.2	117.3	117.1	117.0	116.8
9.0	115.9	115.9	115.9	116.0	115.9	115.4	116.3	116.2	116.1	115.9
12.0	114.4	114.5	114.6	114.8	114.7	114.1	115.0	114.7	114.8	114.5
15.0	112.5	112.7	112.8	113.3	113.1	112.5	113.3	113.0	113.1	112.8
18.0	110.3	110.7	110.8	111.3	111.1	110.5	111.2	110.9	111.1	110.8
21.0	107.7	108.1	108.3	109.0	108.8	108.2	108.8	108.4	108.7	108.3
24.0	104.7	105.3	105.5	106.3	106.1	105.5	105.9	105.7	106.0	105.6
27.0	101.6	102.0	102.5	103.2	103.1	102.5	102.8	102.6	102.9	102.6
30.0	97.98	98.52	99.03	99.94	99.81	99.21	99.40	99.22	99.54	99.12
33.0	94.12	94.77	95.30	96.29	96.20	95.53	95.66	95.53	95.88	95.53
36.0	90.00	90.68	91.33	92.36	92.31	91.62	91.64	91.59	91.93	91.65
39.0	85.59	86.34	87.06	88.25	88.15	87.48	87.39	87.26	87.74	87.63
42.0	80.97	81.79	82.56	83.84	83.76	83.09	82.89	82.73	83.28	83.17
45.0	76.14	77.10	77.85	79.19	79.17	78.47	78.16	78.10	78.61	78.58
48.0	71.08	71.94	72.88	74.42	74.34	73.66	73.24	73.18	73.74	73.69
51.0	65.85	66.92	67.75	69.37	69.35	68.65	68.13	68.08	68.69	68.61
54.0	60.43	61.30	62.37	64.17	64.15	63.44	62.81	62.85	63.44	63.46
57.0	54.88	55.97	56.90	58.86	58.81	58.17	57.36	57.37	58.07	58.09
60.0	49.22	50.28	51.27	53.21	53.34	52.58	51.73	51.69	52.57	52.54
63.0	43.44	44.33	45.49	47.47	47.73	46.89	45.99	46.11	46.91	46.95
66.0	37.61	38.62	39.61	41.74	42.04	41.14	40.19	40.33	41.21	41.18
69.0	31.70	32.66	33.67	35.80	36.23	35.28	34.30	34.42	35.37	35.35
72.0	25.89	26.73	27.73	29.84	30.41	29.49	28.43	28.67	29.54	29.61
75.0	20.14	20.94	21.87	24.04	24.59	23.80	22.66	22.84	23.74	23.80
78.0	14.66	15.42	16.21	18.21	18.90	18.23	17.04	17.21	18.11	18.13
81.0	9.726	10.33	11.03	12.76	13.60	12.71	11.69	11.90	12.76	12.92
84.0	5.634	5.980	6.531	7.988	8.874	8.118	6.879	7.136	7.969	8.291
87.0	2.858	3.051	3.312	4.326	5.284	4.448	3.469	3.583	4.248	4.673
90.0	1.606	1.697	2.163	2.684	3.832	2.742	1.480	1.733	2.346	3.128
93.0	1.372	1.534	2.091	2.638	3.738	2.282	0.9648	1.357	2.226	2.996
96.0	1.337	1.506	2.096	2.614	3.751	2.297	0.9602	1.338	2.252	2.910
99.0	1.327	1.498	2.101	2.602	3.769	2.337	1.010	1.340	2.267	2.835
102.0	1.342	1.543	2.106	2.596	3.822	2.372	1.066	1.357	2.282	2.769
105.0	1.362	1.578	2.126	2.593	3.831	2.407	1.131	1.402	2.284	2.719
108.0	1.417	1.624	2.123	2.589	3.830	2.438	1.181	1.437	2.285	2.679
111.0	1.482	1.679	2.119	2.581	3.822	2.468	1.252	1.487	2.286	2.654
114.0	1.523	1.729	2.116	2.577	3.815	2.474	1.307	1.518	2.288	2.629
117.0	1.568	1.789	2.113	2.577	3.807	2.475	1.367	1.558	2.289	2.598
120.0	1.628	1.845	2.109	2.577	3.800	2.477	1.433	1.583	2.290	2.568
123.0	1.673	1.895	2.106	2.578	3.729	2.478	1.493	1.633	2.292	2.543
126.0	1.714	1.945	2.086	2.578	3.659	2.480	1.553	1.668	2.293	2.523
129.0	1.764	1.995	2.071	2.578	3.579	2.481	1.603	1.719	2.294	2.508
132.0	1.809	2.046	2.062	2.578	3.473	2.481	1.664	1.749	2.295	2.493
135.0	1.874	2.086	2.065	2.578	3.358	2.480	1.734	1.804	2.295	2.473
138.0	1.900	2.121	2.069	2.578	3.242	2.479	1.789	1.819	2.294	2.463
141.0	1.960	2.156	2.072	2.578	3.127	2.475	1.855	1.864	2.293	2.458
144.0	1.995	2.176	2.076	2.593	3.016	2.471	1.915	1.885	2.292	2.443
147.0	2.035	2.191	2.116	2.596	2.920	2.466	1.980	1.910	2.291	2.434
150.0	2.080	2.216	2.151	2.595	2.840	2.461	2.041	1.955	2.289	2.429
153.0	2.116	2.231	2.216	2.593	2.764	2.455	2.096	1.990	2.288	2.417
156.0	2.151	2.252	2.271	2.563	2.699	2.449	2.146	2.040	2.288	2.417
159.0	2.196	2.272	2.297	2.538	2.649	2.444	2.176	2.101	2.289	2.387
162.0	2.231	2.292	2.322	2.518	2.619	2.438	2.216	2.151	2.291	2.357
165.0	2.276	2.312	2.367	2.488	2.583	2.432	2.247	2.206	2.294	2.327
168.0	2.297	2.337	2.372	2.458	2.548	2.412	2.287	2.281	2.302	2.326
171.0	2.322	2.362	2.374	2.437	2.513	2.400	2.312	2.312	2.352	2.339
174.0	2.362	2.377	2.375	2.412	2.483	2.396	2.337	2.322	2.367	2.352
177.0	2.372	2.392	2.377	2.392	2.453	2.392	2.367	2.352	2.382	2.362
180.0	2.387	2.392	2.387	2.392	2.437	2.392	2.377	2.367	2.382	2.382
G/C	300.0	330.0								
0.0	117.5	116.8								
3.0	117.2	116.6								
6.0	116.6	115.9								
9.0	115.6	114.8								
12.0	114.3	113.3								
15.0	112.5	111.5								
18.0	110.4	109.3								
21.0	108.0	106.7								
24.0	105.2	103.8								
27.0	102.1	100.7								
30.0	98.77	97.19								

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:

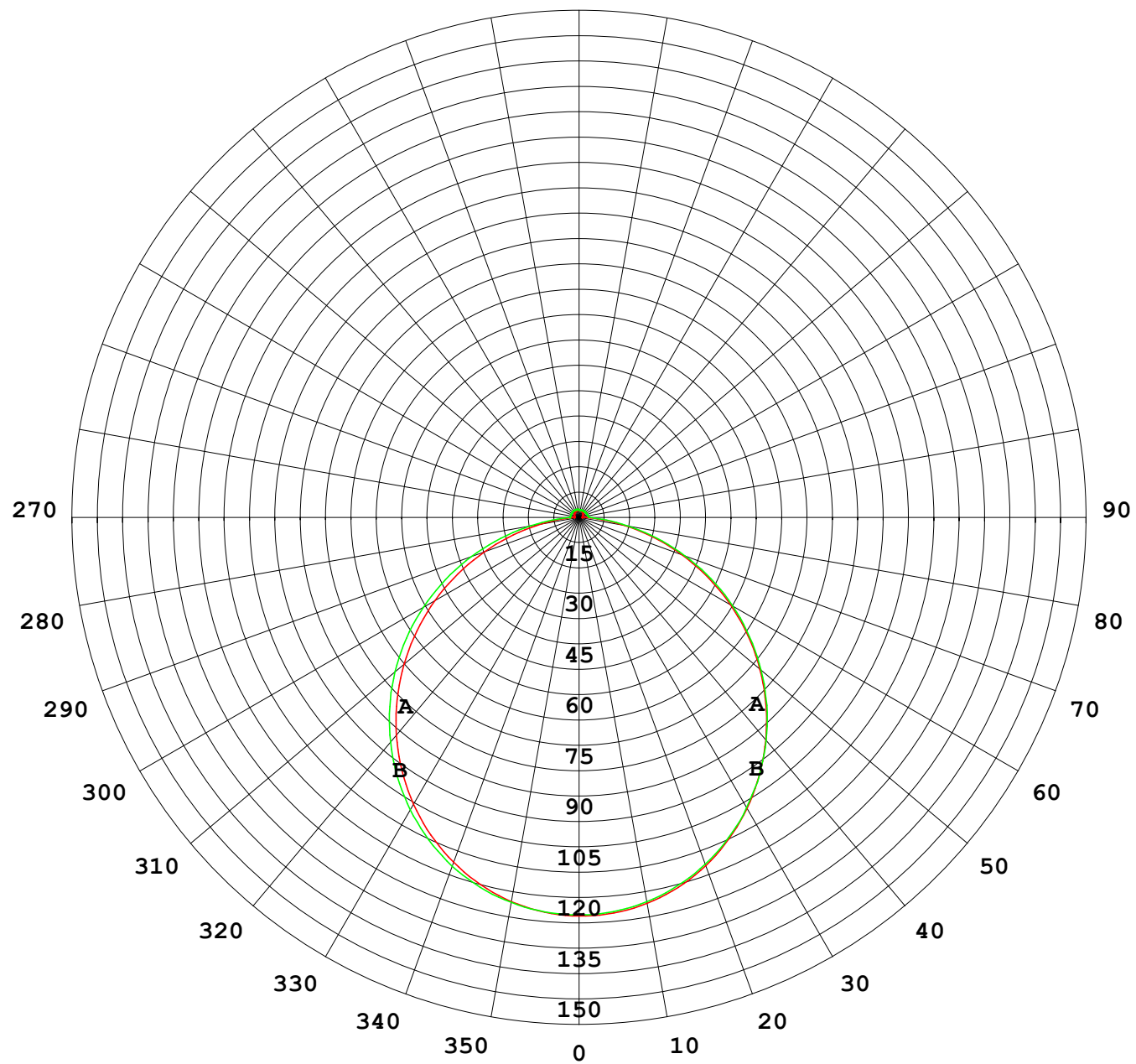
## Photometric Data Table [cd]

33.0	95.07	93.37
36.0	91.12	89.33
39.0	86.90	85.04
42.0	82.44	80.47
45.0	77.76	75.73
48.0	72.87	70.71
51.0	67.80	65.57
54.0	62.53	60.28
57.0	57.11	54.77
60.0	51.55	49.08
63.0	45.83	43.49
66.0	40.06	37.72
69.0	34.19	31.84
72.0	28.30	26.15
75.0	22.51	20.41
78.0	16.93	14.97
81.0	11.73	9.954
84.0	7.171	5.787
87.0	3.908	2.827
90.0	2.477	1.570
93.0	2.372	1.357
96.0	2.342	1.312
99.0	2.332	1.311
102.0	2.321	1.317
105.0	2.312	1.332
108.0	2.306	1.387
111.0	2.292	1.422
114.0	2.287	1.462
117.0	2.278	1.498
120.0	2.277	1.518
123.0	2.262	1.563
126.0	2.262	1.593
129.0	2.262	1.633
132.0	2.262	1.668
135.0	2.262	1.719
138.0	2.262	1.744
141.0	2.262	1.774
144.0	2.262	1.809
147.0	2.262	1.854
150.0	2.262	1.890
153.0	2.262	1.945
156.0	2.262	1.975
159.0	2.262	2.040
162.0	2.262	2.080
165.0	2.268	2.126
168.0	2.277	2.176
171.0	2.317	2.216
174.0	2.367	2.281
177.0	2.387	2.307
180.0	2.387	2.372

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

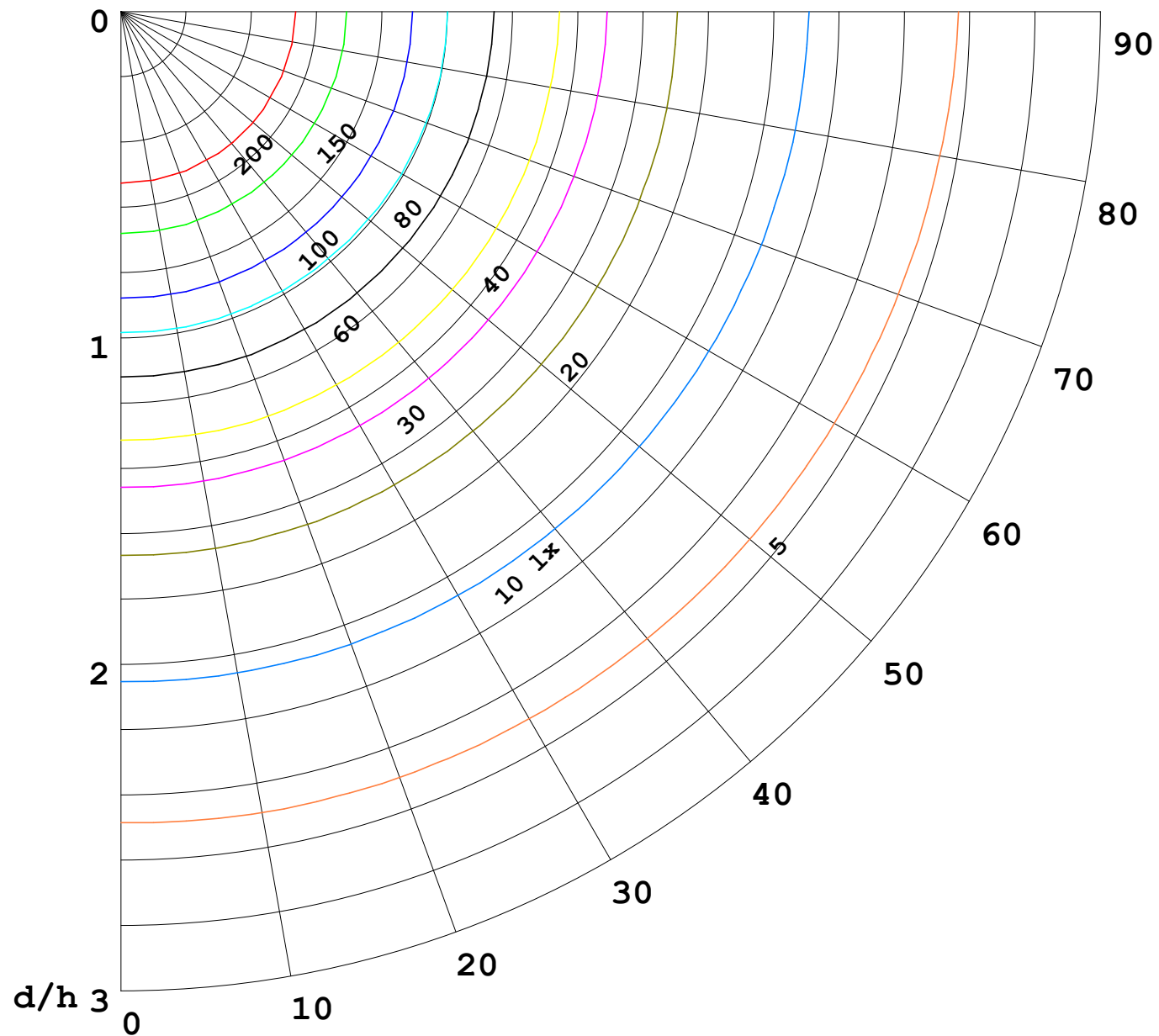
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

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

