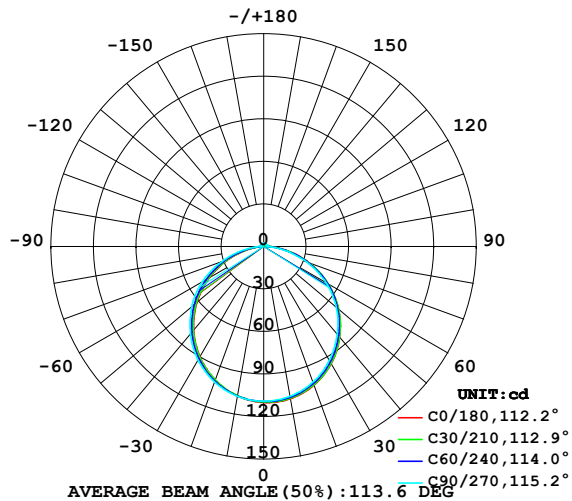


## LUMINAIRE PHOTOMETRIC TEST REPORT

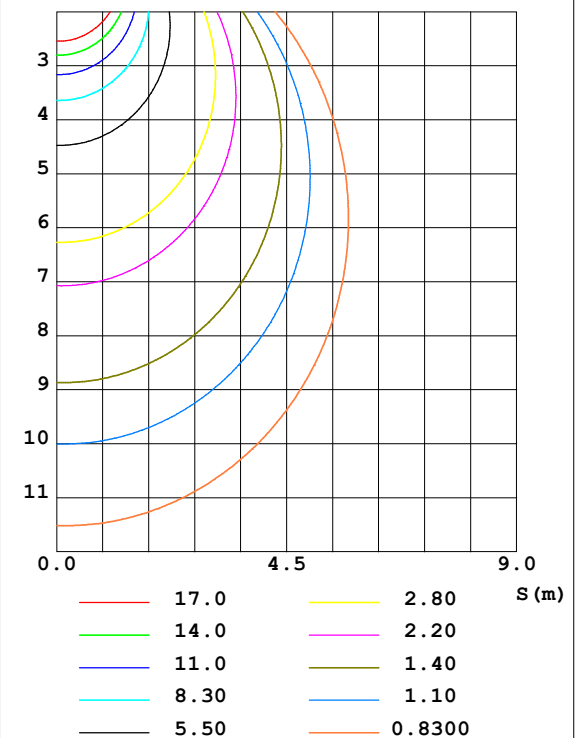
Test:U:24.00V I:0.3760A P:9.024W PF:1.000 Lamp Flux:328.561x1 lm		
NAME: SF16-24V-3528-120-4500-80	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022032301
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 36.41 lm/W			
MODEL	3528	I <sub>max</sub> (cd)	110.2	S/MH (C0/180)	1.29
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	328.56	η UP, DN (C0-180)	1.9, 48.9
NOMINAL FLUX (lm)	328.561	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.6, 47.6
LAMPS INSIDE	1	η up (%)	3.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24.0	η down (%)	96.5	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



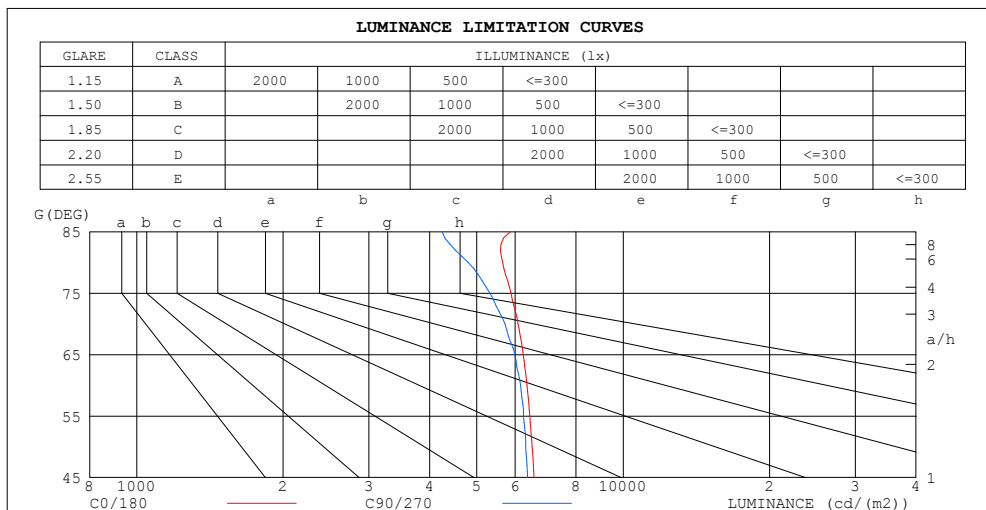
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: HXJ  
Test Date: 2022-03-23

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	109.1	108.3	107.3	106.2	107.1	107.0	107.3	107.5	0- 10	10.34	10.34	3.15,3.15
20	104.0	103.2	101.8	99.91	100.3	100.6	101.7	102.4	10- 20	29.63	39.98	12.2,12.2
30	95.37	94.58	92.69	90.26	89.99	90.89	92.62	93.78	20- 30	44.93	84.90	25.8,25.8
40	83.50	82.77	80.87	77.62	76.88	78.17	80.43	82.00	30- 40	54.23	139.1	42.3,42.3
50	68.95	68.61	66.87	62.70	61.42	62.99	66.25	67.63	40- 50	56.44	195.6	59.5,59.5
60	52.34	52.31	50.78	45.95	44.28	45.96	50.14	51.56	50- 60	51.45	247.0	75.2,75.2
70	34.30	34.10	32.26	27.88	26.17	27.82	31.68	33.65	60- 70	39.68	286.7	87.3,87.3
80	16.19	15.72	13.75	10.51	9.172	10.36	13.62	15.43	70- 80	23.01	309.7	94.3,94.3
90	3.441	3.355	2.799	1.943	0.9180	1.547	2.514	3.084	80- 90	7.187	316.9	96.5,96.5
100	1.309	2.013	2.684	1.874	0.8295	1.455	2.433	1.754	90-100	2.103	319.0	97.1,97.1
110	1.367	1.949	2.523	1.917	1.025	1.538	2.181	1.598	100-110	1.870	320.9	97.7,97.7
120	1.513	1.900	2.322	1.910	1.232	1.618	2.071	1.575	110-120	1.745	322.6	98.2,98.2
130	1.653	1.885	2.126	1.925	1.453	1.696	2.015	1.624	120-130	1.592	324.2	98.7,98.7
140	1.814	1.923	2.071	1.983	1.664	1.789	1.996	1.701	130-140	1.411	325.6	99.1,99.1
150	1.970	2.000	2.076	2.056	1.880	1.905	1.998	1.817	140-150	1.197	326.8	99.5,99.5
160	2.086	2.111	2.181	2.151	2.076	2.038	2.000	1.958	150-160	0.9303	327.7	99.8,99.8
170	2.212	2.219	2.219	2.220	2.232	2.176	2.126	2.118	160-170	0.6030	328.3	99.9,99.9
180	2.247	2.252	2.231	2.236	2.277	2.236	2.221	2.219	170-180	0.2110	328.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5869	4242
80	5651	4799
75	5880	5321
70	6079	5716
65	6228	5987
60	6344	6156
55	6429	6241
50	6501	6305
45	6558	6357

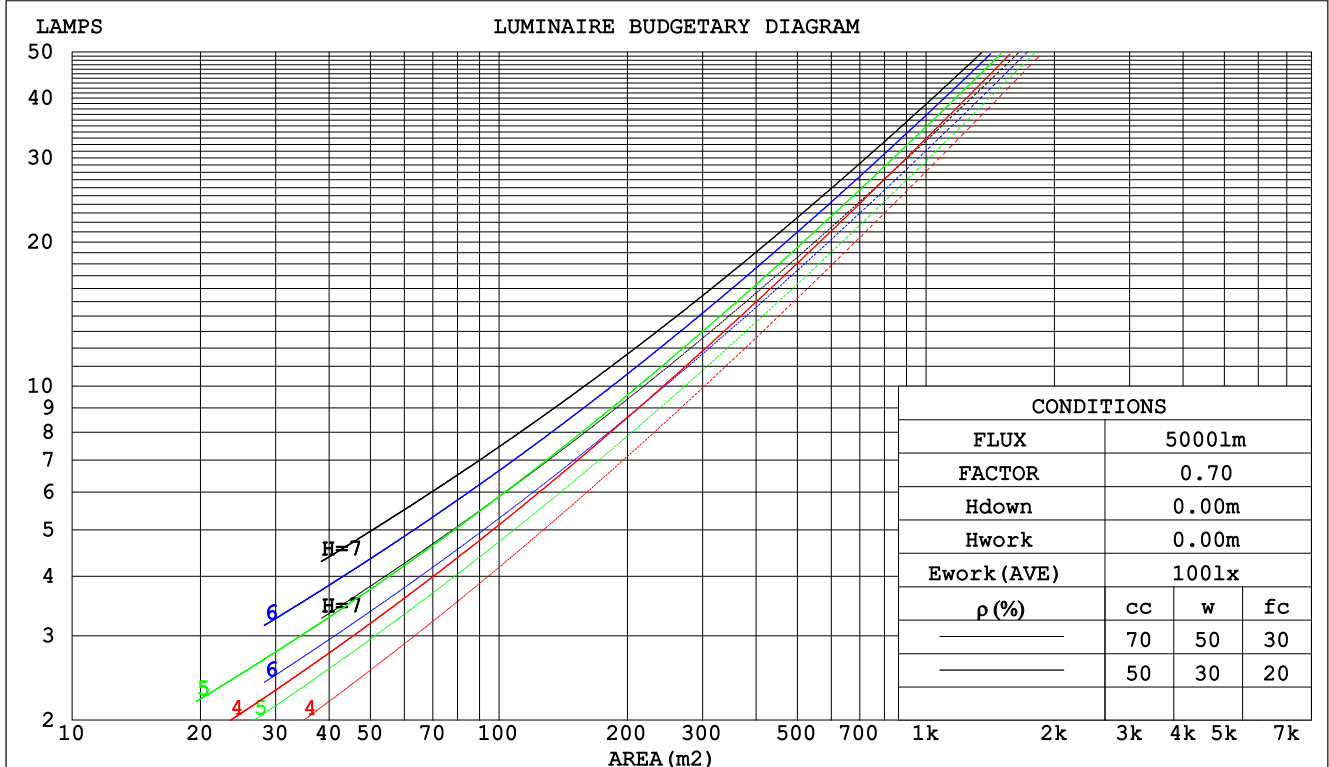
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-03-23

$\gamma$  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:0.3760A P:9.024W PF:1.000 Lamp Flux:328.561x1 lm		
NAME: SF16-24V-3528-120-4500-80	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022032301
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	.96
1.0	1.03	.98	.95	1.00	.96	.93	.95	.92	.89	.91	.88	.86	.87	.85	.83	.80
2.0	.89	.82	.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	.32	.45	.37	.31	.43	.36	.31	.42	.35	.31	.40	.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:2022-03-23

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

## WEC AND CCEC

Test:U:24.00V I:0.3760A P:9.024W PF:1.000 Lamp Flux:328.561x1 lm					
NAME: SF16-24V-3528-120-4500-80			TYPE:硅胶		WEIGHT:
DIM.: 16.5mm*16.5mm			SPEC.:		SERIAL No.:2022032301
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	.293	.161	.049	.286	.158	.049	.273	.152	.047	.260	.146	.046	.249	.141	.044	
3.0	.271	.144	.043	.264	.142	.043	.252	.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	.230	.117	.034	.225	.116	.034	.216	.112	.033	.207	.109	.032	.198	.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	.179	.092	.027	.173	.090	.026	
8.0	.185	.091	.025	.182	.089	.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	.154	.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	.218	.218	.218	.186	.186	.186	.127	.127	.127	.073	.073	.073	.023	.023	.023	
1.0	.208	.183	.161	.178	.157	.139	.122	.108	.096	.070	.063	.056	.022	.020	.018	
2.0	.200	.159	.125	.171	.137	.108	.117	.095	.076	.068	.055	.044	.022	.018	.014	
3.0	.192	.142	.102	.165	.122	.088	.113	.085	.062	.065	.050	.036	.021	.016	.012	
4.0	.185	.129	.086	.158	.111	.075	.109	.078	.053	.063	.045	.031	.020	.015	.010	
5.0	.177	.118	.075	.152	.102	.065	.105	.072	.046	.061	.042	.027	.020	.014	.009	
6.0	.170	.110	.067	.146	.095	.058	.101	.067	.041	.059	.039	.025	.019	.013	.008	
7.0	.163	.103	.061	.140	.090	.053	.097	.063	.038	.056	.037	.022	.018	.012	.007	
8.0	.157	.098	.057	.135	.085	.049	.093	.059	.035	.054	.035	.021	.018	.011	.007	
9.0	.151	.093	.053	.130	.080	.047	.090	.056	.033	.052	.033	.020	.017	.011	.007	
10.0	.145	.088	.051	.125	.077	.044	.087	.054	.031	.051	.032	.019	.016	.010	.006	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-03-23

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:0.3760A P:9.024W PF:1.000 Lamp Flux:328.561x1 lm											
NAME: SF16-24V-3528-120-4500-80						TYPE:硅胶		WEIGHT:			
DIM.: 16.5mm*16.5mm						SPEC.:		SERIAL No.:2022032301			
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	19.4	20.9	19.7	21.1	21.4	19.2	20.7	19.6	21.0	21.3	
	3H	21.0	22.4	21.4	22.7	23.0	20.8	22.2	21.2	22.5	22.8
	4H	21.7	23.0	22.1	23.3	23.7	21.5	22.8	21.8	23.1	23.4
	6H	22.3	23.5	22.7	23.8	24.2	21.9	23.1	22.3	23.5	23.8
	8H	22.5	23.7	22.9	24.0	24.4	22.1	23.2	22.5	23.6	23.9
	12H	22.6	23.8	23.0	24.1	24.5	22.1	23.3	22.5	23.6	24.0
4H	2H	20.0	21.3	20.4	21.6	22.0	19.9	21.2	20.3	21.5	21.9
	3H	21.9	23.0	22.3	23.4	23.7	21.7	22.8	22.1	23.2	23.6
	4H	22.7	23.7	23.1	24.1	24.5	22.5	23.5	22.9	23.9	24.3
	6H	23.4	24.3	23.8	24.7	25.2	23.0	24.0	23.5	24.4	24.8
	8H	23.6	24.5	24.1	24.9	25.4	23.2	24.1	23.7	24.5	25.0
	12H	23.9	24.6	24.3	25.1	25.6	23.4	24.1	23.8	24.6	25.1
8H	4H	23.0	23.8	23.5	24.3	24.7	22.8	23.6	23.2	24.1	24.5
	6H	23.8	24.6	24.3	25.0	25.5	23.5	24.2	24.0	24.7	25.2
	8H	24.2	24.8	24.7	25.3	25.9	23.8	24.4	24.3	24.9	25.5
	12H	24.5	25.1	25.1	25.6	26.1	24.0	24.6	24.6	25.1	25.6
12H	4H	23.0	23.8	23.5	24.2	24.7	22.8	23.6	23.3	24.0	24.5
	6H	23.9	24.5	24.4	25.0	25.6	23.6	24.2	24.1	24.7	25.3
	8H	24.3	24.9	24.9	25.4	25.9	24.0	24.5	24.5	25.0	25.6
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					+ 0.2 / - 0.4					

CIE Pub.117 Corrected 328.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -3.9)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-03-23

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:0.3760A P:9.024W PF:1.000 Lamp Flux:328.561x1 lm		
NAME: SF16-24V-3528-120-4500-80	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022032301
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

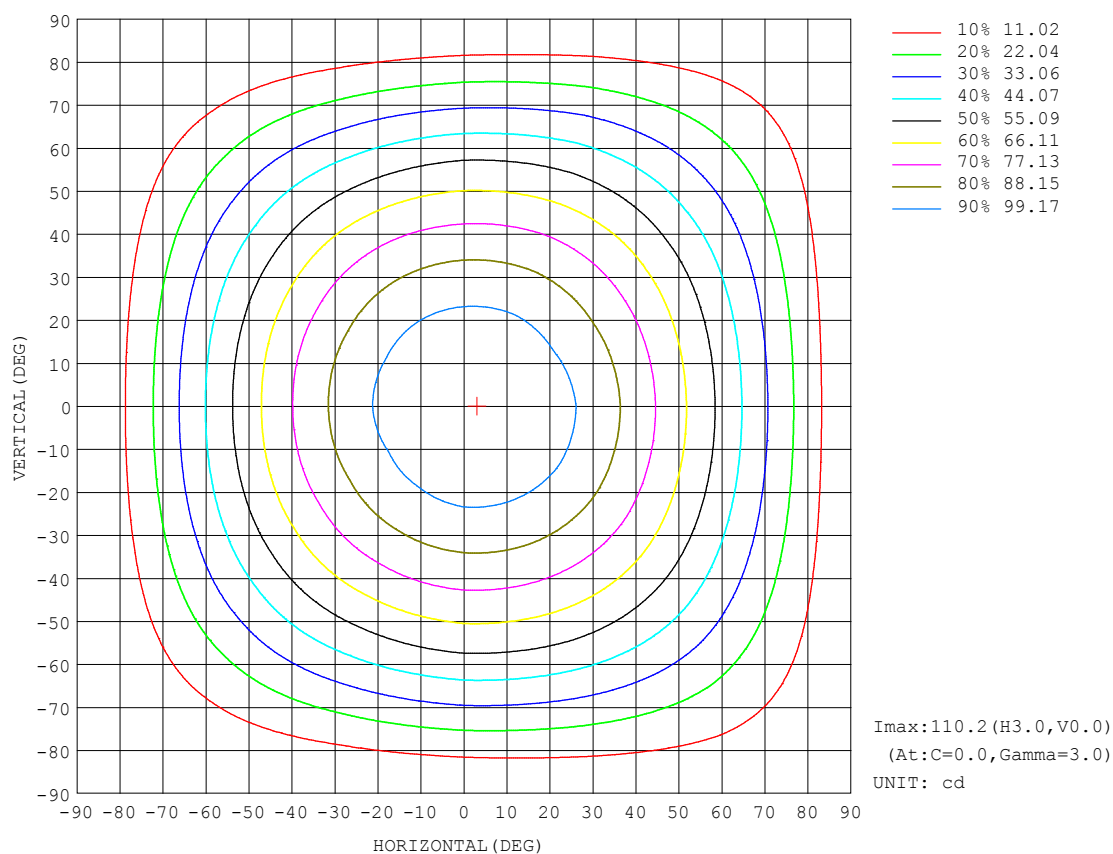
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	74	63	56	73	62	55	70	64	55	47
1.25	82	71	63	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	79
5.00	107	102	98	105	100	96	100	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:2022-03-23

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:

## ISOCANDELA DIAGRAM

Test:U:24.00V I:0.3760A P:9.024W PF:1.000 Lamp Flux:328.561x1 lm		
NAME: SF16-24V-3528-120-4500-80	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022032301
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

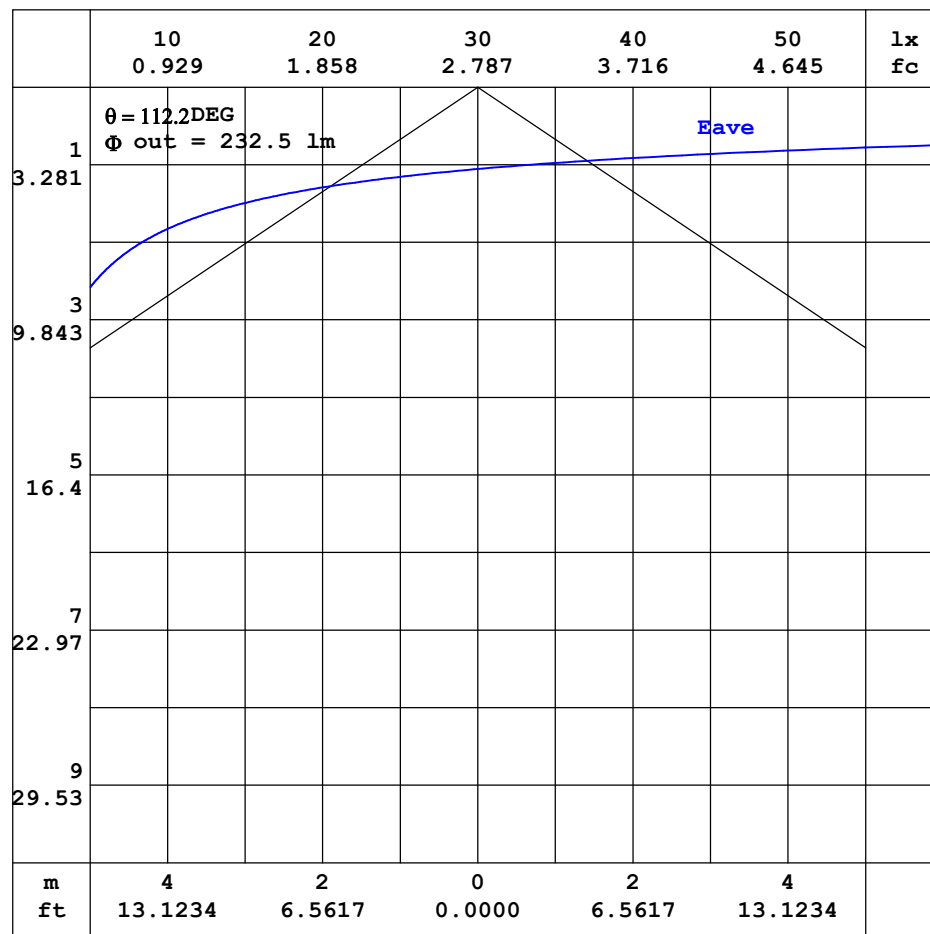


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-03-23

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

## AAI CURVES

Test:U:24.00V I:0.3760A P:9.024W PF:1.000 Lamp Flux:328.561x1 lm		
NAME: SF16-24V-3528-120-4500-80	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022032301
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.

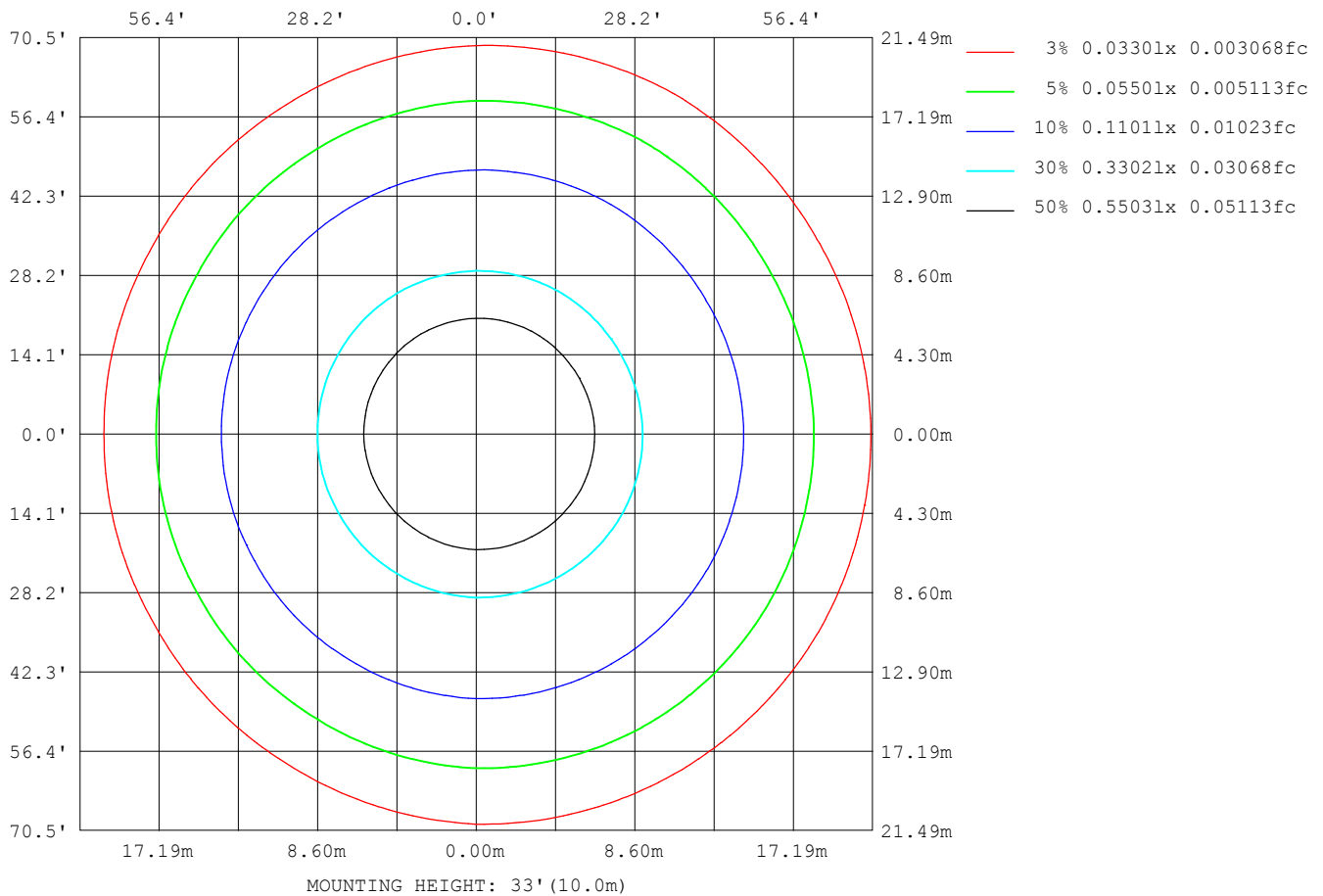
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: HXJ  
 Test Date: 2022-03-23

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



## ISOLUX DIAGRAM

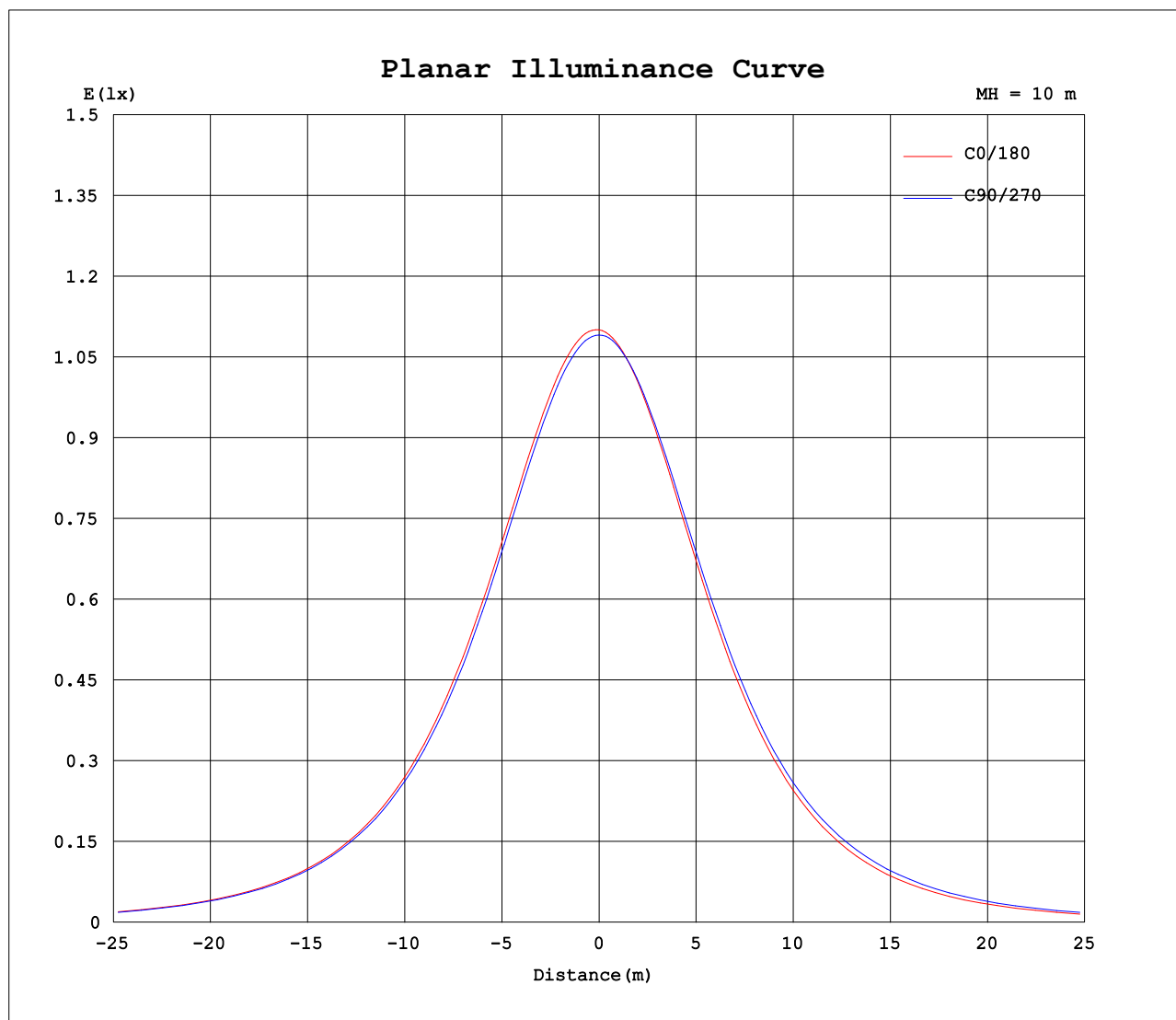
Test:U:24.00V I:0.3760A P:9.024W PF:1.000 Lamp Flux:328.561x1 lm		
NAME: SF16-24V-3528-120-4500-80	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022032301
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-03-23

$\gamma$  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: 2022-03-23

$\gamma$  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:0.3760A P:9.024W PF:1.000 Lamp Flux:328.561x1 lm		
NAME: SF16-24V-3528-120-4500-80	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*16.5mm	SPEC.:	SERIAL No.:2022032301
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	110	110	109	109	109	109	110	110	109	109	109	109						
5	110	110	109	109	108	108	109	109	109	109	109	109						
10	109	109	108	107	106	106	107	107	107	107	108	108						
15	107	107	106	105	104	103	104	104	104	105	105	106						
20	104	104	103	102	100	99.5	100	100	101	102	102	102						
25	100	99.9	98.8	97.7	96.0	94.9	95.5	95.7	96.7	97.5	98.5	98.6						
30	95.4	95.1	94.0	92.7	90.9	89.7	90.0	90.3	91.5	92.6	93.6	93.9						
35	89.8	89.6	88.4	87.0	85.0	83.6	83.8	84.1	85.5	86.9	88.1	88.4						
40	83.5	83.4	82.1	80.9	78.4	76.9	76.9	77.4	79.0	80.4	81.8	82.2						
45	76.5	76.6	75.4	74.2	71.3	69.5	69.4	70.0	71.7	73.5	74.8	75.3						
50	68.9	69.1	68.1	66.9	63.7	61.7	61.4	62.0	63.9	66.3	67.5	67.8						
55	60.8	61.1	60.3	59.1	55.6	53.4	53.0	53.7	55.7	58.6	59.9	59.8						
60	52.3	52.6	52.0	50.8	47.1	44.8	44.3	44.9	47.0	50.1	51.8	51.3						
65	43.4	43.7	43.0	41.7	38.1	35.9	35.3	35.9	38.0	41.0	42.9	42.6						
70	34.3	34.6	33.6	32.3	28.9	26.9	26.2	26.8	28.9	31.7	33.7	33.6						
75	25.1	25.3	24.2	22.7	19.8	17.9	17.2	17.8	19.7	22.6	24.3	24.5						
80	16.2	16.3	15.2	13.8	11.2	9.82	9.17	9.57	11.1	13.6	15.2	15.7						
85	8.44	8.48	7.48	6.10	4.71	4.06	3.48	3.65	4.39	5.96	7.29	7.97						
90	3.44	3.53	3.18	2.80	2.35	1.54	0.92	1.23	1.87	2.51	3.00	3.17						
95	1.42	1.70	2.49	2.75	2.29	1.43	0.73	1.09	1.74	2.49	2.28	1.51						
100	1.31	1.63	2.39	2.68	2.28	1.47	0.83	1.12	1.79	2.43	2.12	1.39						
105	1.32	1.63	2.32	2.61	2.27	1.52	0.93	1.19	1.81	2.29	1.96	1.32						
110	1.37	1.63	2.27	2.52	2.26	1.57	1.03	1.25	1.83	2.18	1.88	1.31						
115	1.43	1.64	2.21	2.44	2.21	1.62	1.13	1.32	1.84	2.12	1.83	1.31						
120	1.51	1.67	2.13	2.32	2.15	1.67	1.23	1.38	1.86	2.07	1.83	1.32						
125	1.58	1.70	2.07	2.22	2.10	1.73	1.35	1.44	1.87	2.04	1.83	1.36						
130	1.65	1.75	2.02	2.13	2.05	1.80	1.45	1.52	1.88	2.02	1.83	1.42						
135	1.74	1.79	1.99	2.08	2.04	1.86	1.57	1.57	1.89	2.00	1.82	1.49						
140	1.81	1.86	1.98	2.07	2.04	1.93	1.66	1.66	1.92	2.00	1.85	1.55						
145	1.88	1.93	1.99	2.06	2.04	2.00	1.77	1.74	1.95	2.00	1.88	1.64						
150	1.97	2.01	1.99	2.08	2.05	2.07	1.88	1.83	1.98	2.00	1.91	1.72						
155	2.04	2.07	2.05	2.13	2.08	2.13	1.98	1.92	2.02	2.00	1.96	1.82						
160	2.09	2.13	2.09	2.18	2.13	2.18	2.08	2.01	2.07	2.00	2.01	1.91						
165	2.16	2.20	2.15	2.21	2.17	2.22	2.16	2.09	2.14	2.06	2.08	2.00						
170	2.21	2.24	2.20	2.22	2.21	2.23	2.23	2.16	2.20	2.13	2.16	2.08						
175	2.24	2.28	2.22	2.23	2.22	2.23	2.27	2.21	2.24	2.19	2.21	2.15						
180	2.25	2.27	2.23	2.23	2.24	2.24	2.28	2.23	2.24	2.22	2.22	2.22						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-03-23

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	110.1	109.7	109.4	109.1	108.9	108.6	110.1	109.7	109.4	109.1
3.0	110.2	109.8	109.4	109.0	108.6	108.2	109.6	109.3	109.1	109.0
6.0	110.0	109.6	109.0	108.5	107.9	107.5	108.8	108.5	108.4	108.5
9.0	109.4	108.9	108.3	107.6	106.9	106.4	107.5	107.3	107.5	107.7
12.0	108.4	108.0	107.2	106.5	105.5	104.9	106.0	105.8	106.1	106.5
15.0	107.0	106.7	105.8	105.0	103.9	103.2	104.2	103.9	104.5	104.9
18.0	105.3	105.1	104.1	103.2	101.9	101.0	101.9	101.8	102.5	103.1
21.0	103.3	103.0	102.0	101.1	99.55	98.68	99.39	99.29	100.2	100.9
24.0	101.0	100.8	99.63	98.66	96.92	95.93	96.50	96.62	97.61	98.38
27.0	98.32	98.17	96.96	95.86	94.03	92.88	93.38	93.47	94.64	95.64
30.0	95.37	95.14	94.01	92.69	90.87	89.66	89.99	90.31	91.46	92.62
33.0	92.12	92.00	90.76	89.44	87.41	86.08	86.33	86.69	87.99	89.25
36.0	88.61	88.47	87.23	85.86	83.71	82.25	82.42	82.87	84.26	85.64
39.0	84.80	84.61	83.46	82.06	79.74	78.25	78.30	78.77	80.31	81.74
42.0	80.77	80.75	79.47	78.20	75.59	73.99	73.94	74.46	76.12	77.63
45.0	76.52	76.57	75.38	74.17	71.27	69.54	69.39	69.97	71.71	73.50
48.0	72.03	72.01	71.08	69.87	66.76	64.94	64.68	65.28	67.10	69.17
51.0	67.36	67.53	66.59	65.44	62.09	60.10	59.79	60.42	62.35	64.77
54.0	62.48	62.70	61.91	60.66	57.23	55.14	54.75	55.43	57.39	60.18
57.0	57.49	57.70	57.06	55.87	52.22	50.06	49.59	50.23	52.30	55.34
60.0	52.34	52.59	52.03	50.78	47.08	44.81	44.28	44.88	47.04	50.14
63.0	47.04	47.20	46.70	45.25	41.74	39.45	38.89	39.59	41.66	44.80
66.0	41.65	41.89	41.15	39.87	36.26	34.09	33.46	34.15	36.23	39.24
69.0	36.16	36.40	35.54	34.10	30.74	28.63	27.95	28.61	30.68	33.55
72.0	30.64	30.76	29.87	28.36	25.20	23.22	22.47	23.19	25.13	27.93
75.0	25.11	25.29	24.23	22.72	19.77	17.92	17.17	17.81	19.67	22.57
78.0	19.67	19.85	18.66	17.28	14.47	12.81	12.17	12.63	14.44	17.04
81.0	14.50	14.62	13.49	12.01	9.665	8.436	7.825	8.188	9.571	11.94
84.0	9.794	9.823	8.828	7.406	5.743	4.927	4.347	4.559	5.435	7.266
87.0	6.049	6.059	5.184	4.111	3.184	2.665	2.096	2.277	2.729	3.773
90.0	3.441	3.533	3.176	2.799	2.348	1.537	0.9180	1.228	1.865	2.514
93.0	1.894	2.084	2.564	2.774	2.295	1.422	0.8046	1.084	1.767	2.498
96.0	1.328	1.658	2.478	2.739	2.289	1.437	0.7540	1.092	1.744	2.483
99.0	1.308	1.640	2.408	2.704	2.283	1.463	0.8143	1.101	1.779	2.438
102.0	1.310	1.628	2.362	2.649	2.277	1.488	0.8696	1.151	1.804	2.372
105.0	1.321	1.626	2.322	2.613	2.271	1.518	0.9299	1.191	1.814	2.287
108.0	1.337	1.624	2.297	2.553	2.266	1.553	0.9854	1.231	1.824	2.227
111.0	1.377	1.627	2.267	2.498	2.252	1.588	1.046	1.261	1.829	2.166
114.0	1.412	1.633	2.222	2.452	2.222	1.603	1.111	1.297	1.839	2.126
117.0	1.472	1.653	2.176	2.387	2.186	1.633	1.171	1.332	1.849	2.101
120.0	1.513	1.669	2.131	2.322	2.146	1.674	1.232	1.377	1.859	2.071
123.0	1.568	1.679	2.091	2.261	2.106	1.704	1.302	1.417	1.863	2.051
126.0	1.593	1.709	2.066	2.206	2.081	1.749	1.367	1.457	1.867	2.035
129.0	1.643	1.734	2.035	2.146	2.061	1.784	1.438	1.498	1.873	2.025
132.0	1.693	1.759	2.010	2.096	2.045	1.824	1.503	1.528	1.880	2.010
135.0	1.739	1.794	1.990	2.078	2.035	1.860	1.568	1.573	1.892	2.000
138.0	1.804	1.830	1.984	2.073	2.035	1.900	1.624	1.623	1.905	1.996
141.0	1.824	1.870	1.983	2.069	2.035	1.945	1.689	1.673	1.930	1.996
144.0	1.884	1.915	1.987	2.065	2.035	1.985	1.759	1.724	1.940	1.997
147.0	1.915	1.960	1.990	2.061	2.035	2.025	1.820	1.789	1.965	1.998
150.0	1.970	2.005	1.994	2.076	2.045	2.066	1.880	1.829	1.980	1.998
153.0	2.000	2.046	2.010	2.106	2.065	2.101	1.940	1.885	2.000	1.999
156.0	2.040	2.086	2.050	2.141	2.081	2.136	2.000	1.955	2.025	1.999
159.0	2.075	2.126	2.076	2.171	2.126	2.171	2.056	1.995	2.056	2.000
162.0	2.131	2.161	2.126	2.196	2.141	2.191	2.106	2.050	2.096	2.030
165.0	2.156	2.196	2.146	2.210	2.166	2.216	2.156	2.086	2.136	2.055
168.0	2.206	2.216	2.171	2.215	2.201	2.224	2.201	2.131	2.176	2.106
171.0	2.215	2.247	2.201	2.221	2.216	2.228	2.242	2.166	2.216	2.141
174.0	2.226	2.267	2.211	2.226	2.222	2.232	2.267	2.201	2.232	2.176
177.0	2.237	2.272	2.221	2.231	2.231	2.236	2.277	2.211	2.241	2.206
180.0	2.247	2.272	2.231	2.231	2.236	2.236	2.277	2.231	2.241	2.221
G/C	300.0	330.0								
0.0	108.9	108.6								
3.0	108.8	108.7								
6.0	108.5	108.5								
9.0	107.8	107.9								
12.0	106.8	106.9								
15.0	105.4	105.5								
18.0	103.7	103.8								
21.0	101.7	101.8								
24.0	99.31	99.45								
27.0	96.65	96.84								
30.0	93.64	93.91								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: HXJ  
 Test Date: 2022-03-23

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:

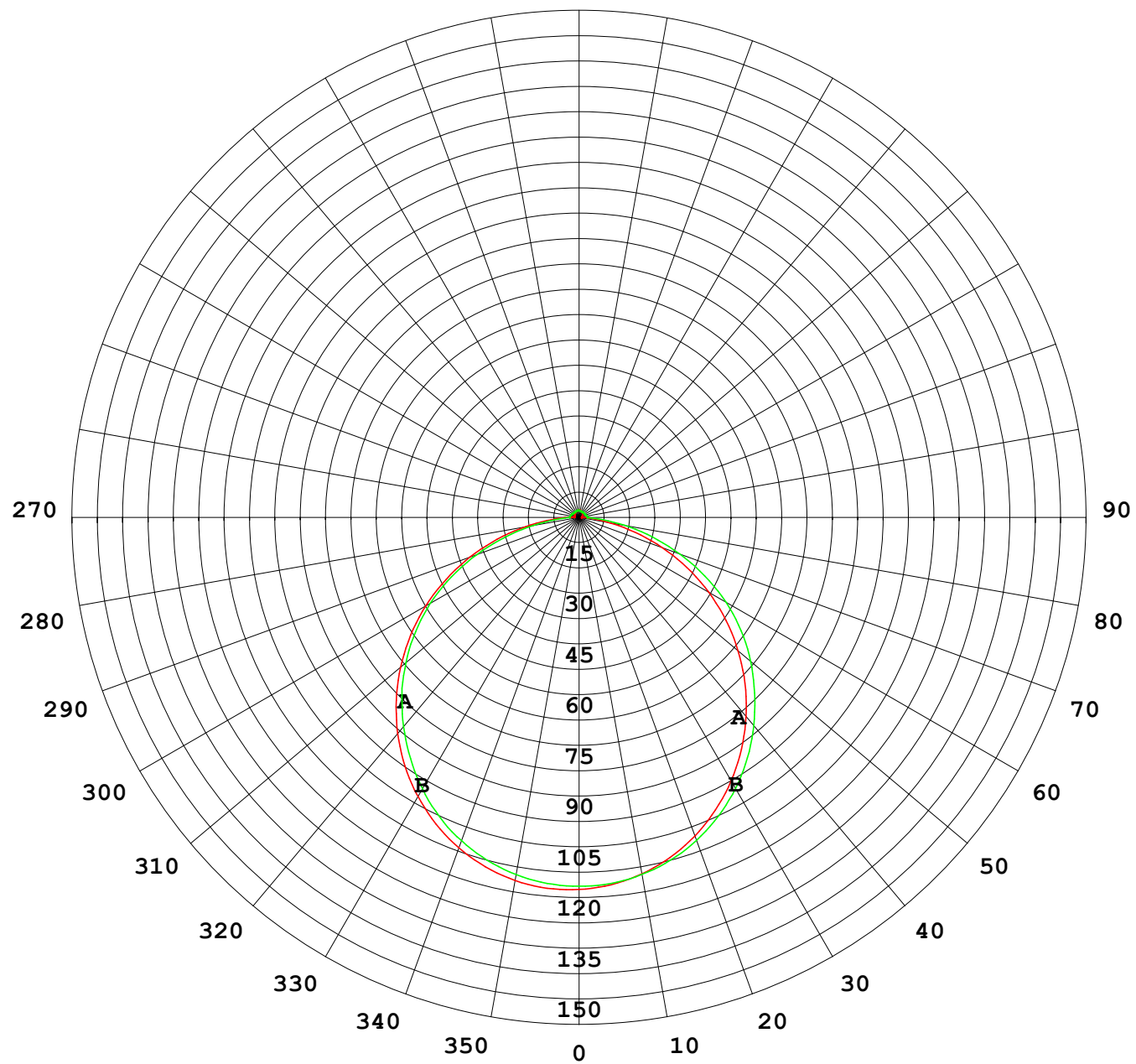
## Photometric Data Table [cd]

33.0	90.39	90.70
36.0	86.87	87.25
39.0	83.10	83.49
42.0	79.08	79.49
45.0	74.84	75.30
48.0	70.43	70.87
51.0	65.98	66.25
54.0	61.42	61.48
57.0	56.73	56.50
60.0	51.83	51.30
63.0	46.57	46.17
66.0	41.13	40.88
69.0	35.55	35.43
72.0	29.87	30.02
75.0	24.29	24.52
78.0	18.78	19.10
81.0	13.46	13.99
84.0	8.663	9.317
87.0	5.037	5.619
90.0	3.002	3.167
93.0	2.361	1.842
96.0	2.246	1.468
99.0	2.136	1.412
102.0	2.060	1.357
105.0	1.965	1.317
108.0	1.908	1.312
111.0	1.871	1.312
114.0	1.834	1.312
117.0	1.829	1.312
120.0	1.828	1.322
123.0	1.827	1.337
126.0	1.826	1.377
129.0	1.825	1.407
132.0	1.825	1.447
135.0	1.824	1.487
138.0	1.839	1.523
141.0	1.860	1.563
144.0	1.870	1.608
147.0	1.895	1.663
150.0	1.910	1.724
153.0	1.930	1.784
156.0	1.955	1.834
159.0	1.990	1.895
162.0	2.031	1.965
165.0	2.081	1.995
168.0	2.126	2.050
171.0	2.166	2.091
174.0	2.211	2.126
177.0	2.221	2.166
180.0	2.221	2.216

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HXJ  
Test Date:2022-03-23

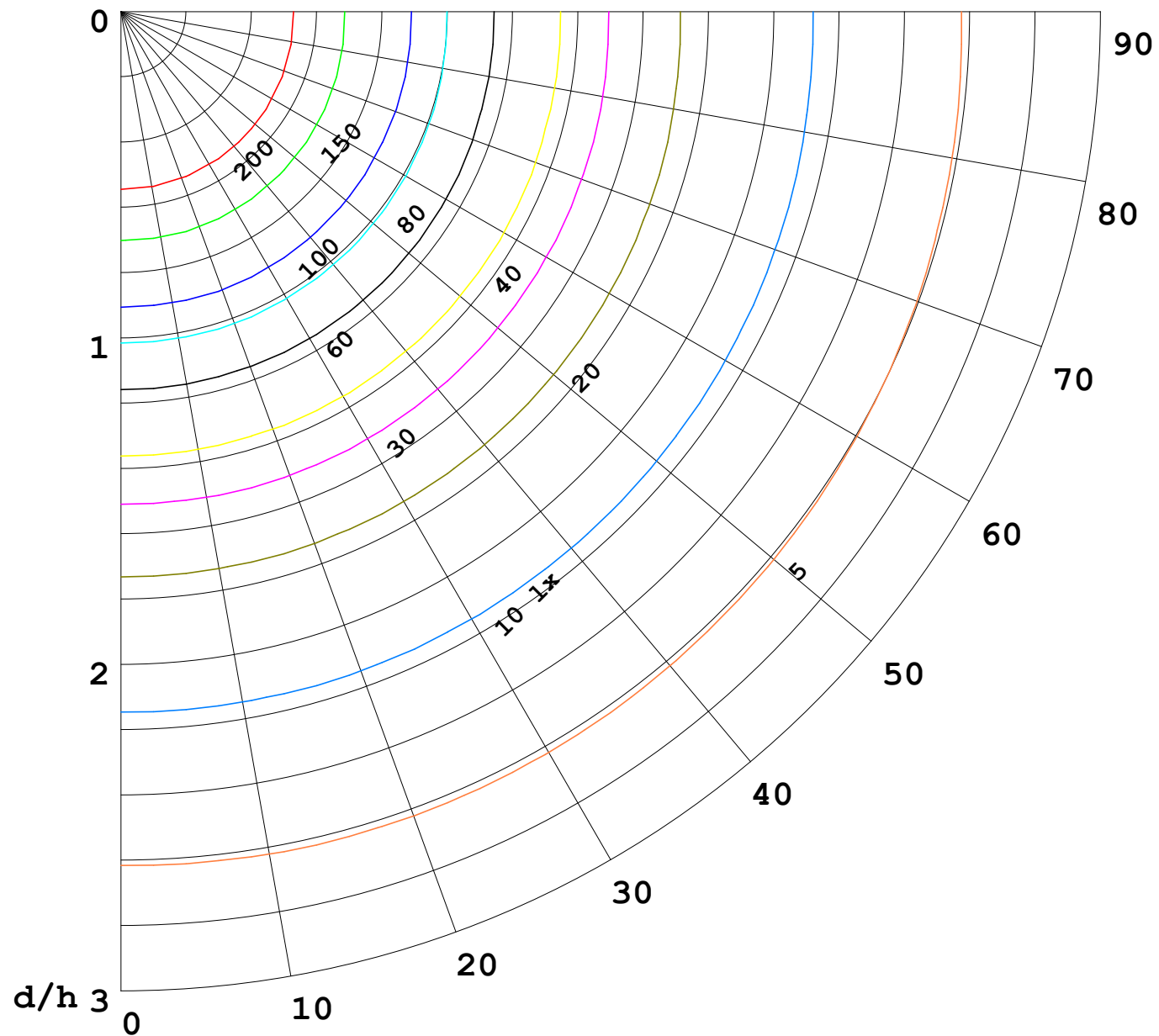
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

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

