



## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	667.0	689.5	696.8	667.4	655.9	649.7	659.8	663.6	0- 10	68.74	68.74	11.2,11.2
20	398.6	466.1	490.3	438.6	383.6	422.5	446.2	436.6	10- 20	154.7	223.4	36.3,36.3
30	168.3	245.0	282.6	223.3	164.0	215.3	249.6	221.4	20- 30	146.4	369.8	60.1,60.1
40	77.11	115.5	139.4	106.3	77.45	101.3	119.6	102.5	30- 40	97.07	466.9	75.9,75.9
50	44.16	56.65	65.01	53.21	44.05	50.18	55.68	51.03	40- 50	57.88	524.8	85.3,85.3
60	26.49	30.79	33.05	29.07	25.09	26.97	29.27	27.99	50- 60	34.91	559.7	91,91
70	15.66	16.88	17.70	15.59	13.35	13.83	15.38	15.02	60- 70	21.25	580.9	94.5,94.5
80	7.712	7.876	7.737	6.786	5.104	5.032	5.625	6.075	70- 80	11.27	592.2	96.3,96.3
90	2.521	2.568	2.498	2.606	1.111	1.091	0.9048	0.9604	80- 90	3.899	596.1	96.9,96.9
100	2.247	2.372	2.563	2.582	1.347	1.334	1.246	1.050	90-100	1.938	598.0	97.2,97.2
110	2.278	2.473	2.709	2.616	1.739	1.782	1.738	1.533	100-110	2.074	600.1	97.6,97.6
120	2.583	2.792	3.036	2.912	2.383	2.432	2.392	2.204	110-120	2.307	602.4	98,98
130	3.261	3.390	3.589	3.515	3.187	3.214	3.165	3.006	120-130	2.616	605.0	98.4,98.4
140	4.190	4.184	4.293	4.315	3.961	3.970	3.864	3.777	130-140	2.841	607.9	98.8,98.8
150	5.100	4.945	4.941	5.081	4.554	4.561	4.412	4.360	140-150	2.769	610.6	99.3,99.3
160	5.608	5.413	5.383	5.519	4.890	4.978	4.850	4.717	150-160	2.298	612.9	99.7,99.7
170	5.662	5.569	5.644	5.606	5.167	5.282	5.277	5.061	160-170	1.496	614.4	99.9,99.9
180	5.579	5.644	5.679	5.551	5.538	5.614	5.669	5.531	170-180	0.5222	615.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 499.58 lm

%lum = 81.2%

%lamp = 81.2%

Conical surface Flux(120deg): 559.68 lm

%lum = 91.0%

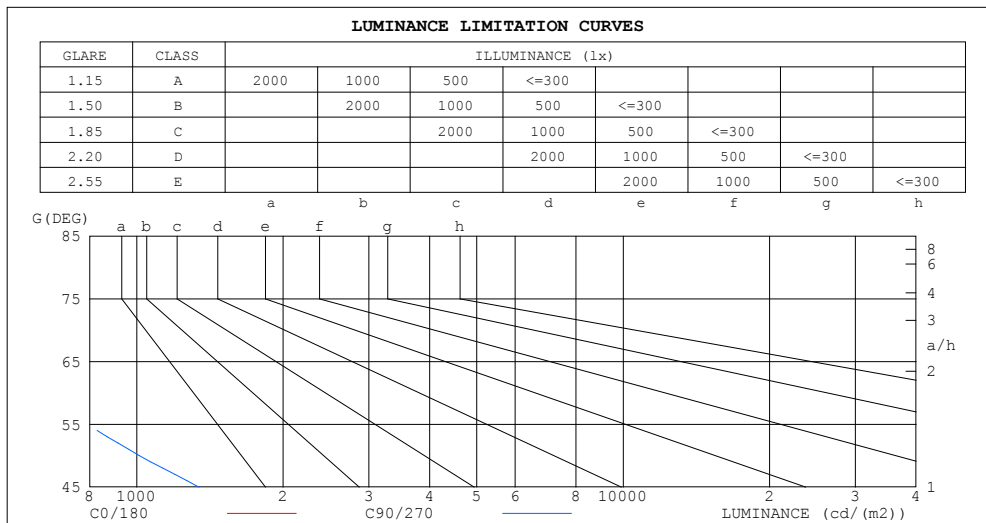
%lamp = 91.0%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:WFW  
 Test Date:2023-05-23

$\gamma$  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:

## LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.7638A P:18.33W PF:1.000 Freq:0Hz Lamp Flux:614.957x1 lm		
NAME: SFW20-24V-3535-24-2700K+6000K-90-总-2040	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:202305004
MFR.: OLYMPIA	SUR.:1.0*0.0185	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	520	467
80	444	446
75	443	476
70	458	518
65	488	576
60	530	661
55	592	796
50	687	1011
45	815	1343

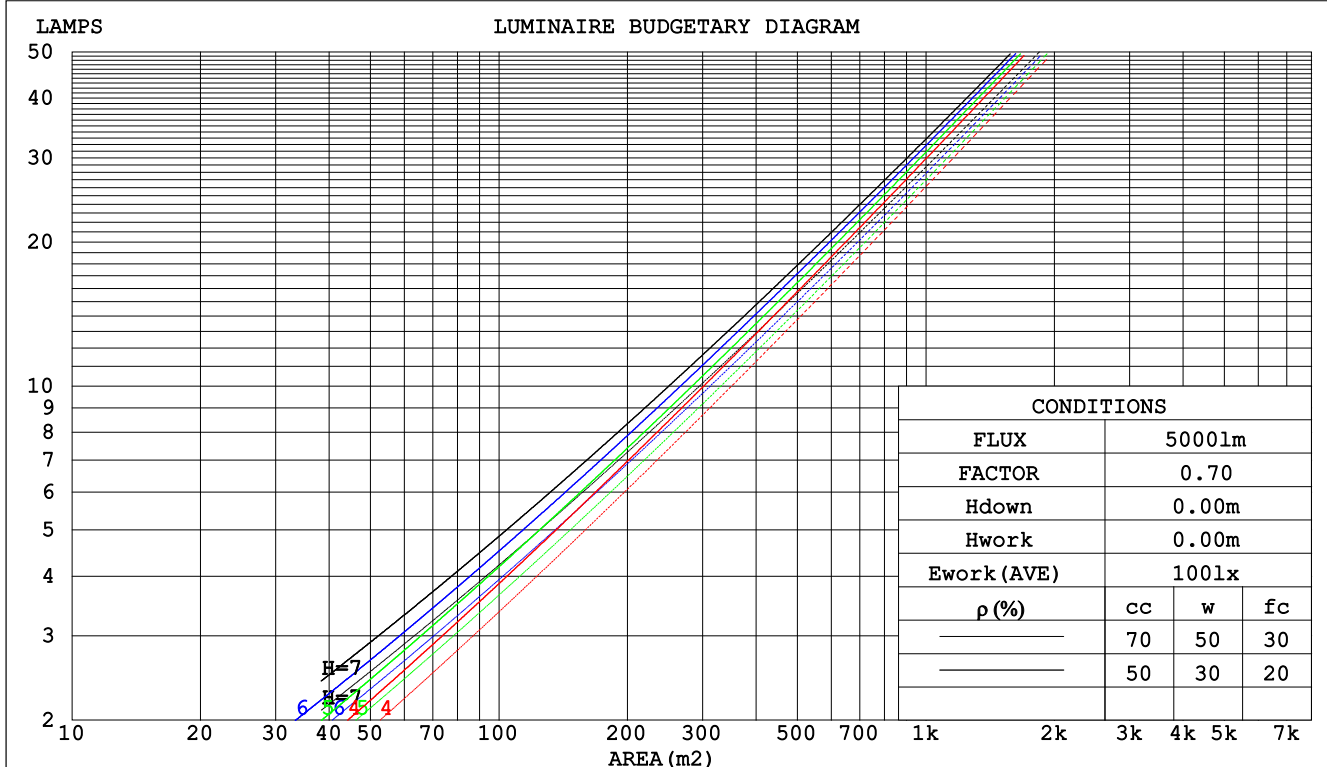
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-05-23

$\gamma$  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:0.7638A P:18.33W PF:1.000 Freq:0Hz Lamp Flux:614.957x1 lm		
NAME: SFW20-24V-3535-24-2700K+6000K-90-总-2040	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:202305004
MFR.: OLYMPIA	SUR.:1.0*0.0185	Shielding 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	1.18	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	1.08	1.05	1.03	1.06	1.03	1.01	1.01	.99	.97	.97	.95	.94	.93	.92	.90	.88
2.0	.99	.94	.90	.97	.93	.89	.93	.90	.87	.90	.87	.84	.87	.84	.82	.80
3.0	.91	.86	.81	.90	.84	.80	.86	.82	.78	.84	.80	.77	.81	.78	.75	.73
4.0	.84	.78	.73	.83	.77	.73	.80	.75	.72	.78	.74	.70	.76	.72	.69	.67
5.0	.78	.72	.67	.77	.71	.67	.75	.70	.66	.73	.68	.65	.71	.67	.64	.62
6.0	.73	.67	.62	.72	.66	.62	.70	.65	.61	.69	.64	.60	.67	.63	.60	.58
7.0	.69	.62	.57	.68	.62	.57	.66	.61	.57	.65	.60	.56	.63	.59	.56	.54
8.0	.64	.58	.54	.64	.58	.53	.62	.57	.53	.61	.56	.52	.60	.55	.52	.51
9.0	.61	.54	.50	.60	.54	.50	.59	.53	.50	.58	.53	.49	.57	.52	.49	.47
10.0	.57	.51	.47	.57	.51	.47	.56	.50	.47	.55	.50	.46	.54	.49	.46	.45



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-05-23

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:

## WEC AND CCEC

Test:U:24.00V I:0.7638A P:18.33W PF:1.000 Freq:0Hz Lamp Flux:614.957x1 lm		
NAME: SFW20-24V-3535-24-2700K+6000K-90-总-2040	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:202305004
MFR.: OLYMPIA	SUR.:1.0*0.0185	Shielding 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	.212	.121	.038	.204	.116	.037	.190	.109	.035	.176	.102	.033	.164	.095	.031		
2.0	.201	.110	.034	.194	.107	.033	.182	.101	.031	.170	.095	.030	.159	.090	.028		
3.0	.189	.100	.030	.183	.098	.029	.172	.093	.028	.162	.089	.027	.153	.084	.026		
4.0	.177	.092	.027	.172	.090	.027	.163	.086	.026	.154	.083	.025	.145	.079	.024		
5.0	.167	.085	.025	.162	.083	.024	.154	.080	.024	.146	.077	.023	.139	.074	.022		
6.0	.157	.079	.023	.153	.077	.022	.146	.075	.022	.139	.072	.021	.132	.070	.021		
7.0	.149	.073	.021	.145	.072	.021	.138	.070	.020	.132	.068	.020	.126	.066	.019		
8.0	.141	.069	.019	.138	.068	.019	.132	.066	.019	.126	.064	.018	.121	.062	.018		
9.0	.134	.065	.018	.131	.064	.018	.125	.062	.018	.120	.060	.017	.115	.059	.017		
10.0	.127	.061	.017	.125	.060	.017	.120	.059	.017	.115	.057	.016	.111	.056	.016		

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	.214	.214	.214	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.197	.181	.166	.169	.155	.143	.115	.107	.099	.066	.062	.057	.021	.020	.019	
2.0	.184	.156	.133	.157	.134	.115	.108	.093	.080	.062	.054	.047	.020	.017	.015	
3.0	.173	.138	.110	.148	.119	.095	.102	.082	.067	.059	.048	.039	.019	.016	.013	
4.0	.163	.123	.093	.140	.107	.081	.096	.074	.057	.056	.044	.034	.018	.014	.011	
5.0	.155	.112	.081	.133	.097	.070	.091	.068	.050	.053	.040	.029	.017	.013	.010	
6.0	.147	.103	.071	.127	.089	.062	.087	.062	.044	.051	.037	.026	.016	.012	.009	
7.0	.141	.096	.064	.121	.083	.056	.084	.058	.040	.049	.034	.024	.016	.011	.008	
8.0	.135	.090	.059	.116	.078	.051	.080	.055	.036	.047	.032	.022	.015	.011	.007	
9.0	.129	.084	.054	.111	.073	.047	.077	.052	.034	.045	.030	.020	.015	.010	.007	
10.0	.124	.080	.051	.107	.070	.044	.074	.049	.031	.043	.029	.019	.014	.010	.006	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:WFW  
 Test Date:2023-05-23

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:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.7638A P:18.33W PF:1.000 Freq:0Hz Lamp Flux:614.957x1 lm										
NAME: SFW20-24V-3535-24-2700K+6000K-90-总-2040					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 18.5MM*18.5MM			SERIAL No.:202305004		
MFR.: OLYMPIA					SUR.:1.0*0.0185			Shielding 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	10.1	11.2	10.4	11.4	11.6	12.0	13.0	12.2	13.2	13.5
3H	11.0	11.9	11.3	12.2	12.4	12.5	13.5	12.8	13.8	14.0
4H	11.3	12.3	11.7	12.5	12.8	12.8	13.7	13.1	14.0	14.3
6H	11.7	12.5	12.0	12.9	13.2	13.0	13.9	13.4	14.2	14.5
8H	11.8	12.7	12.2	13.0	13.3	13.1	13.9	13.4	14.2	14.6
12H	12.0	12.8	12.4	13.1	13.4	13.1	13.9	13.5	14.3	14.6
4H 2H	10.5	11.4	10.8	11.7	12.0	12.1	13.0	12.4	13.3	13.5
3H	11.5	12.3	11.9	12.7	13.0	12.8	13.6	13.2	14.0	14.3
4H	12.1	12.8	12.5	13.1	13.5	13.2	13.9	13.6	14.3	14.7
6H	12.5	13.2	13.0	13.6	14.0	13.5	14.2	14.0	14.6	15.0
8H	12.8	13.3	13.2	13.8	14.2	13.7	14.3	14.1	14.7	15.1
12H	13.0	13.5	13.4	13.9	14.4	13.8	14.3	14.3	14.8	15.2
8H 4H	12.3	12.8	12.7	13.3	13.7	13.3	13.9	13.8	14.3	14.7
6H	12.9	13.4	13.4	13.8	14.3	13.8	14.3	14.2	14.7	15.2
8H	13.2	13.6	13.7	14.1	14.6	14.0	14.4	14.5	14.9	15.4
12H	13.5	13.9	14.0	14.4	14.9	14.2	14.6	14.7	15.0	15.6
12H 4H	12.3	12.8	12.7	13.2	13.7	13.3	13.8	13.8	14.3	14.7
6H	12.9	13.4	13.4	13.8	14.4	13.8	14.2	14.3	14.7	15.2
8H	13.3	13.7	13.8	14.2	14.7	14.0	14.4	14.6	14.9	15.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.7 / - 0.9				
1.5H	+ 0.4 / - 0.5					+ 1.1 / - 0.6				
2.0H	+ 0.5 / - 0.6					+ 1.4 / - 0.8				

CIE Pub.117, 615.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.7)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:WFW  
 Test Date:2023-05-23

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:0.7638A P:18.33W PF:1.000 Freq:0Hz Lamp Flux:614.957x1 lm		
NAME: SFW20-24V-3535-24-2700K+6000K-90-总-2040	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:202305004
MFR.: OLYMPIA	SUR.:1.0*0.0185	Shielding Angle:

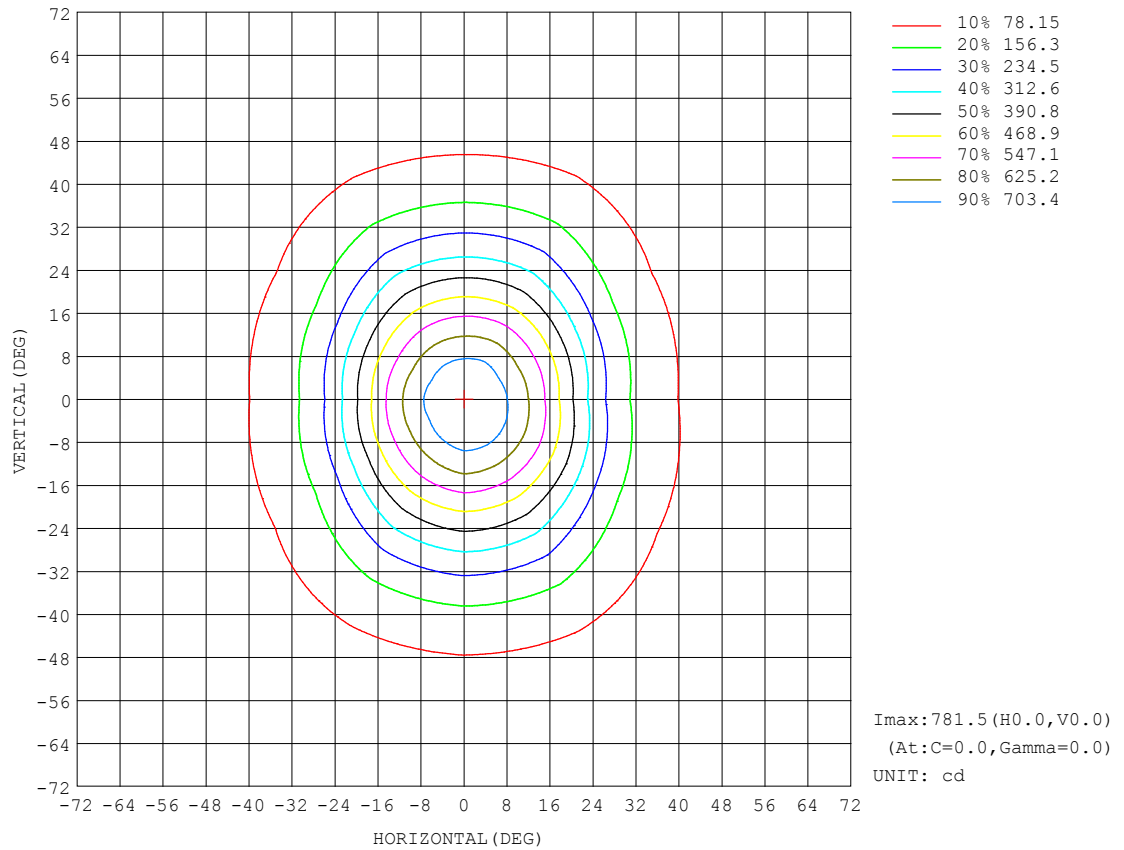
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	77	68	64	76	68	64	75	68	63	59
0.80	85	77	72	84	77	72	82	76	72	67
1.00	91	83	79	90	83	78	88	83	78	72
1.25	96	89	84	95	88	84	92	87	83	77
1.50	99	93	88	98	92	88	95	90	86	81
2.00	103	98	94	102	97	93	98	94	91	84
2.50	106	101	97	104	99	96	100	96	93	86
3.00	108	103	100	106	102	98	102	98	96	88
4.00	111	107	104	108	105	102	104	101	99	90
5.00	112	109	106	110	107	105	105	103	101	92
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

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$\gamma$  Range: 0 - 180DEG  
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 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:0.7638A P:18.33W PF:1.000 Freq:0Hz Lamp Flux:614.957x1 lm		
NAME: SFW20-24V-3535-24-2700K+6000K-90-总-2040	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:202305004
MFR.: OLYMPIA	SUR.:1.0*0.0185	Shielding Angle:



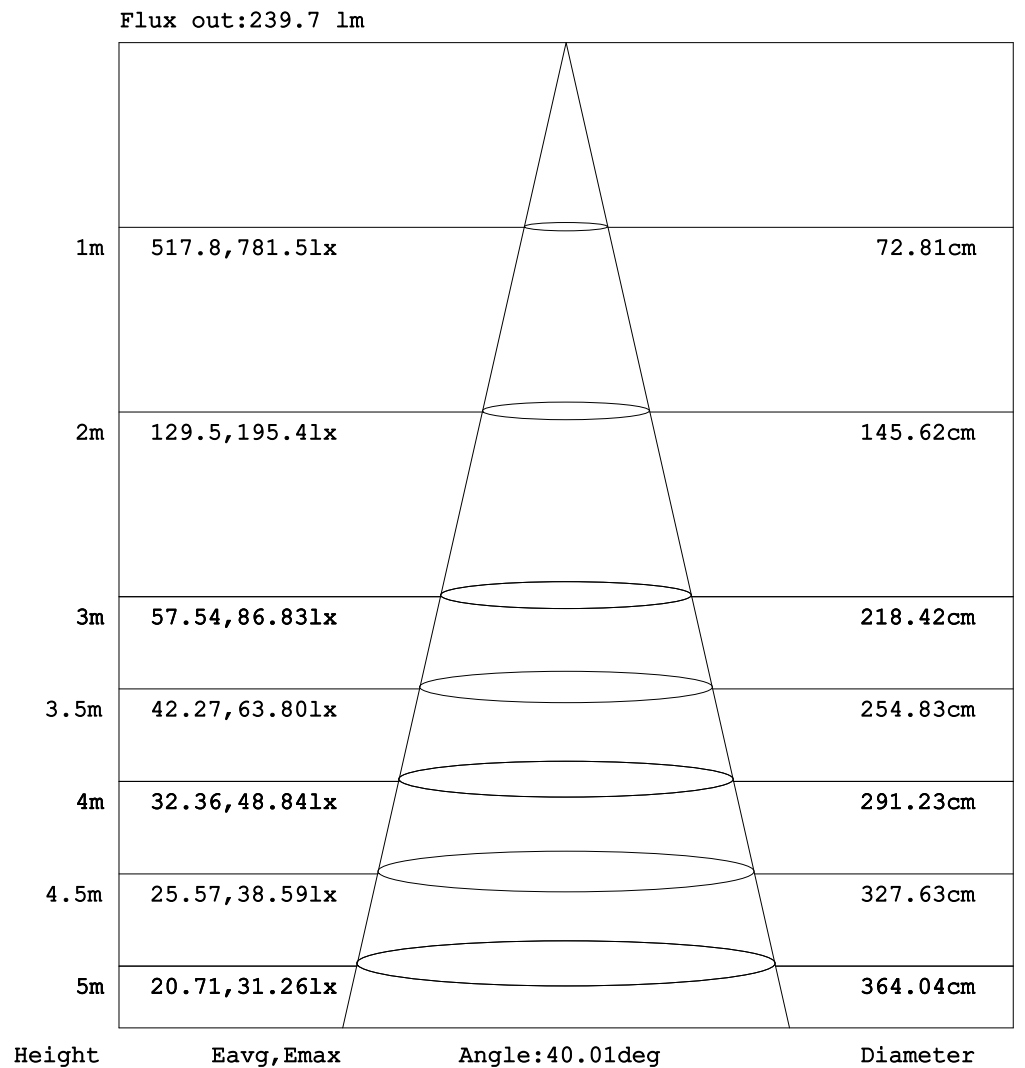
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
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Temperature:25.3DEG  
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$\gamma$  Range: 0 - 180DEG  
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Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:24.00V I:0.7638A P:18.33W PF:1.000 Freq:0Hz Lamp Flux:614.957x1 lm		
NAME: SFW20-24V-3535-24-2700K+6000K-90-总-2040	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:202305004
MFR.: OLYMPIA	SUR.:1.0*0.0185	Shielding Angle:



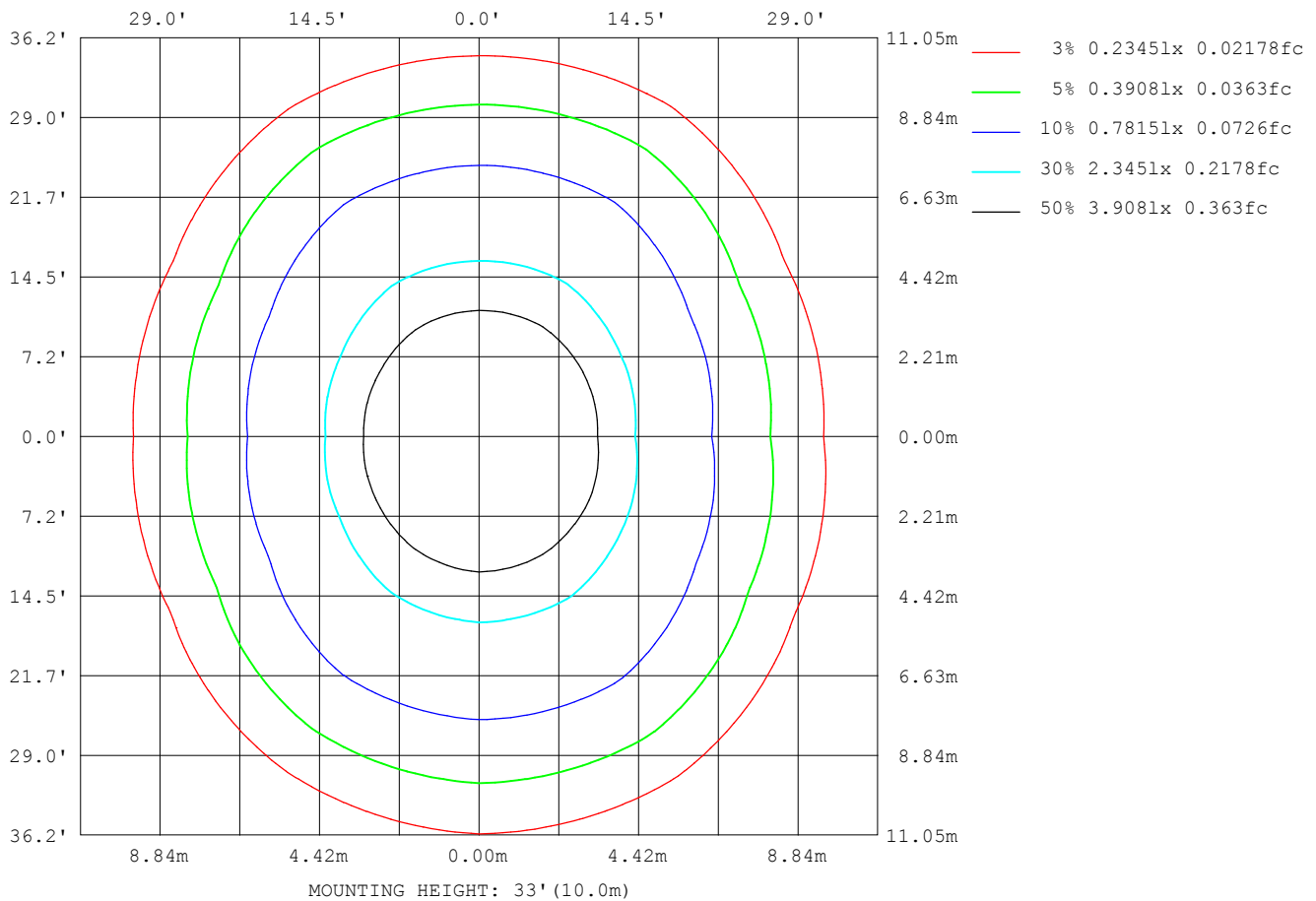
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: WFW  
 Test Date: 2023-05-23

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:

## ISOLUX DIAGRAM

Test:U:24.00V I:0.7638A P:18.33W PF:1.000 Freq:0Hz Lamp Flux:614.957x1 lm		
NAME: SFW20-24V-3535-24-2700K+6000K-90-总-2040	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:202305004
MFR.: OLYMPIA	SUR.:1.0*0.0185	Shielding Angle:



C Range: 0 - 360DEG  
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$\gamma$  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:

## LED Avg.L Report

Test:U:24.00V I:0.7638A P:18.33W PF:1.000 Freq:0Hz Lamp Flux:614.957x1 lm		
NAME: SFW20-24V-3535-24-2700K+6000K-90-总-2040	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:202305004
MFR.: OLYMPIA	SUR.:1.0*0.0185	Shielding Angle:

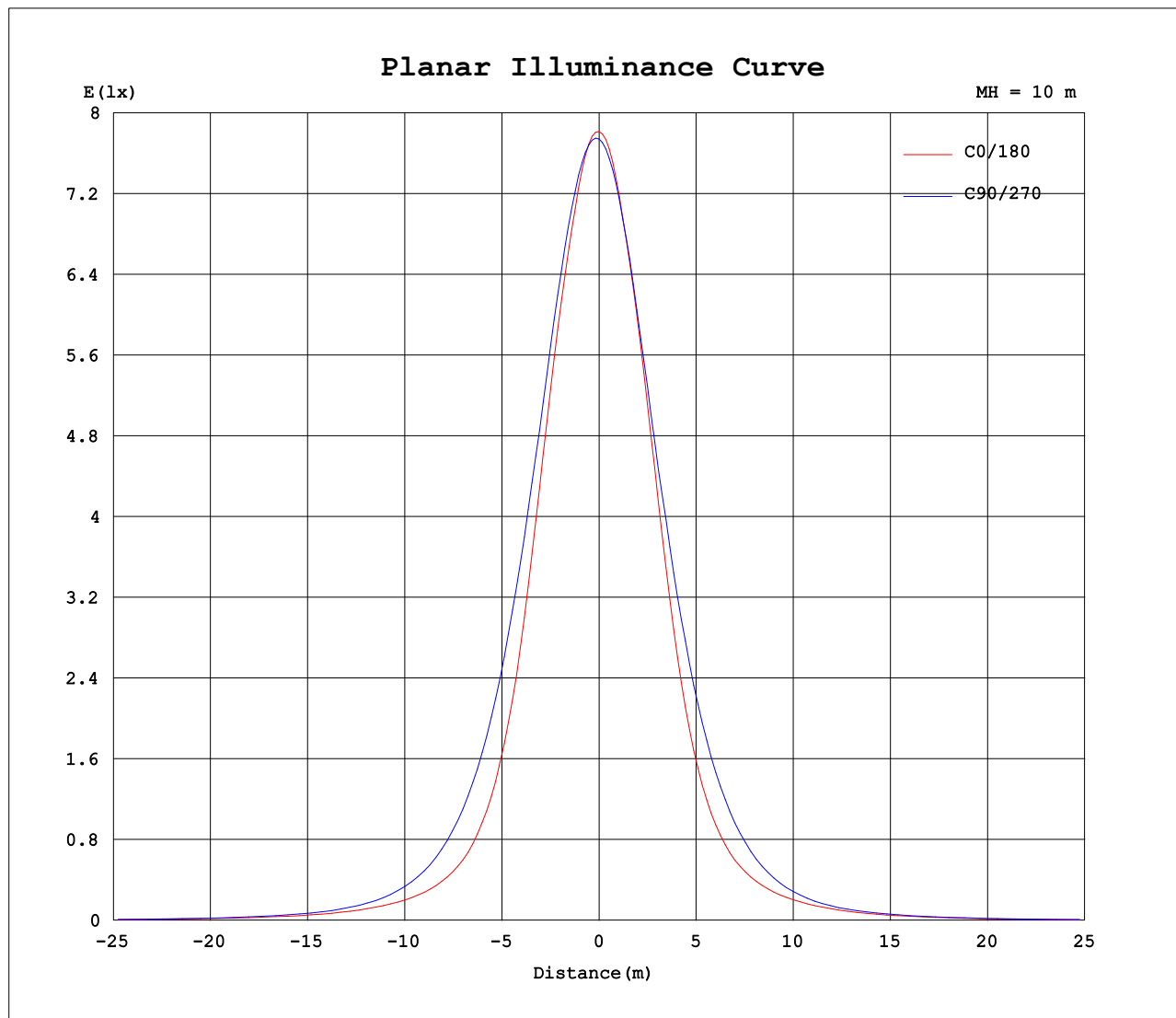
AvgL	cd/m2
L_0~180 (65) av	464
L_0~180 (75) av	393
L_0~180 (85) av	388
L_90~270 (65) av	544
L_90~270 (75) av	432
L_90~270 (85) av	361
L_45 (65) av	502
L_45 (75) av	404
L_45 (85) av	382

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-05-23

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:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-05-23

$\gamma$  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:0.7638A P:18.33W PF:1.000 Freq:0Hz Lamp Flux:614.957x1 lm		
NAME: SFW20-24V-3535-24-2700K+6000K-90-总-2040	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:202305004
MFR.: OLYMPIA	SUR.:1.0*0.0185	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	782	778	777	774	773	772	782	778	777	774	773	772							
5	752	759	762	760	749	740	744	735	738	739	744	743							
10	667	684	695	697	676	659	656	645	654	660	667	660							
15	549	580	594	601	575	546	532	532	549	556	562	552							
20	399	449	483	490	464	413	384	405	440	446	451	423							
25	264	319	375	382	354	285	254	282	336	341	344	294							
30	168	212	278	283	259	188	164	187	243	250	249	194							
35	110	139	198	202	183	125	109	124	171	176	175	125							
40	77.1	94.4	137	139	126	86.8	77.5	85.2	117	120	120	85.0							
45	57.6	67.4	92.6	95.0	85.7	63.2	58.0	61.4	79.4	81.3	81.6	61.1							
50	44.2	50.2	63.1	65.0	58.8	47.6	44.0	45.8	54.6	55.7	56.2	45.9							
55	34.0	38.2	44.4	45.7	41.7	36.4	33.2	34.5	38.5	39.6	39.7	35.0							
60	26.5	29.4	32.2	33.1	30.4	27.7	25.1	25.8	28.2	29.3	29.3	26.7							
65	20.6	22.2	23.6	24.3	22.2	20.8	18.6	18.8	20.4	21.7	21.5	20.1							
70	15.7	16.5	17.2	17.7	16.0	15.2	13.4	13.3	14.4	15.4	15.4	14.6							
75	11.5	11.9	12.0	12.3	11.0	10.6	8.88	8.70	9.34	10.1	10.4	9.92							
80	7.71	7.96	7.79	7.74	6.81	6.76	5.10	4.86	5.20	5.62	6.11	6.04							
85	4.54	4.69	4.38	4.07	3.80	3.86	2.24	2.12	2.16	2.23	2.74	2.83							
90	2.52	2.59	2.55	2.50	2.58	2.63	1.11	1.13	1.05	0.90	0.96	0.96							
95	2.25	2.44	2.44	2.52	2.57	2.60	1.21	1.17	1.19	1.05	0.98	0.76							
100	2.25	2.30	2.44	2.56	2.57	2.60	1.35	1.32	1.35	1.25	1.17	0.93							
105	2.26	2.33	2.47	2.62	2.58	2.59	1.52	1.51	1.57	1.48	1.39	1.15							
110	2.28	2.39	2.55	2.71	2.60	2.63	1.74	1.75	1.81	1.74	1.64	1.42							
115	2.38	2.52	2.69	2.85	2.72	2.72	2.03	2.05	2.11	2.04	1.95	1.73							
120	2.58	2.71	2.87	3.04	2.92	2.91	2.38	2.40	2.46	2.39	2.31	2.10							
125	2.88	2.98	3.13	3.28	3.19	3.16	2.78	2.79	2.84	2.76	2.69	2.51							
130	3.26	3.33	3.45	3.59	3.52	3.51	3.19	3.20	3.23	3.17	3.09	2.92							
135	3.72	3.74	3.81	3.94	3.90	3.92	3.59	3.60	3.61	3.52	3.47	3.34							
140	4.19	4.19	4.18	4.29	4.29	4.34	3.96	3.97	3.97	3.86	3.83	3.73							
145	4.68	4.63	4.55	4.64	4.67	4.78	4.28	4.29	4.29	4.16	4.13	4.07							
150	5.10	5.03	4.86	4.94	5.01	5.15	4.55	4.55	4.57	4.41	4.38	4.34							
155	5.43	5.33	5.12	5.19	5.27	5.45	4.75	4.77	4.82	4.64	4.58	4.53							
160	5.61	5.51	5.31	5.38	5.46	5.58	4.89	4.94	5.02	4.85	4.76	4.67							
165	5.66	5.59	5.44	5.53	5.57	5.61	5.01	5.09	5.20	5.07	4.95	4.79							
170	5.66	5.60	5.54	5.64	5.61	5.60	5.17	5.20	5.36	5.28	5.17	4.96							
175	5.65	5.61	5.61	5.67	5.62	5.53	5.36	5.36	5.54	5.49	5.40	5.17							
180	5.58	5.61	5.68	5.68	5.62	5.48	5.54	5.55	5.67	5.67	5.63	5.43							

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-05-23

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	781.5	778.5	776.5	774.2	772.8	771.6	781.5	778.5	776.5	774.2
3.0	772.3	775.3	774.2	771.4	765.1	760.6	767.6	760.3	759.7	758.3
6.0	737.7	748.4	752.4	750.5	737.8	727.0	728.8	719.5	723.7	725.4
9.0	686.4	701.0	712.0	713.0	693.6	677.2	675.6	665.6	673.4	679.9
12.0	625.2	645.2	657.3	661.7	637.6	617.2	611.2	603.8	613.9	618.8
15.0	548.7	579.7	594.2	601.0	575.2	546.3	532.3	532.5	549.4	556.5
18.0	460.6	505.9	528.0	535.1	509.1	470.1	443.4	457.1	483.6	490.2
21.0	368.6	423.8	461.3	466.4	441.3	384.3	354.6	379.0	418.7	423.5
24.0	287.3	345.6	395.9	403.7	375.3	310.0	276.5	304.0	355.8	363.1
27.0	221.0	271.9	334.5	338.2	314.3	242.4	212.8	240.7	296.6	302.1
30.0	168.3	212.3	277.7	282.6	259.0	187.7	164.0	187.4	243.3	249.6
33.0	129.1	165.1	227.5	231.8	211.0	147.1	127.3	145.5	197.9	203.8
36.0	101.6	128.5	184.4	187.3	170.0	116.0	100.9	114.7	158.9	163.1
39.0	82.32	101.8	147.3	150.4	135.6	92.58	82.42	91.40	126.6	129.2
42.0	68.08	82.37	117.0	119.8	107.8	76.18	68.64	74.28	100.3	102.4
45.0	57.65	67.44	92.61	94.97	85.67	63.18	58.04	61.41	79.45	81.34
48.0	49.06	56.14	73.33	75.77	68.21	53.28	49.22	51.36	63.26	63.94
51.0	41.93	47.46	58.66	60.59	54.76	45.19	41.61	43.24	50.76	51.49
54.0	35.78	40.37	47.55	48.71	44.55	38.35	35.22	36.63	41.26	42.25
57.0	30.70	34.33	38.97	39.91	36.73	32.71	29.77	30.80	33.96	34.75
60.0	26.49	29.36	32.23	33.05	30.41	27.73	25.09	25.75	28.19	29.27
63.0	22.84	24.91	26.72	27.63	25.18	23.29	20.96	21.61	23.22	24.27
66.0	19.55	20.94	22.24	22.95	20.89	19.53	17.40	17.64	19.08	20.25
69.0	16.57	17.59	18.39	18.99	17.16	16.19	14.34	14.39	15.48	16.61
72.0	13.92	14.66	15.06	15.48	13.92	13.25	11.46	11.45	12.24	13.24
75.0	11.47	11.91	12.05	12.31	10.95	10.59	8.882	8.697	9.344	10.07
78.0	9.155	9.538	9.388	9.482	8.342	8.206	6.551	6.294	6.761	7.205
81.0	7.018	7.211	7.014	6.883	6.104	6.121	4.451	4.261	4.500	4.791
84.0	5.104	5.296	4.973	4.718	4.269	4.318	2.718	2.543	2.643	2.750
87.0	3.544	3.611	3.403	2.963	3.049	3.079	1.480	1.445	1.450	1.375
90.0	2.521	2.587	2.550	2.498	2.584	2.628	1.111	1.131	1.051	0.9048
93.0	2.252	2.501	2.434	2.508	2.576	2.608	1.166	1.146	1.121	0.9747
96.0	2.244	2.416	2.437	2.528	2.570	2.598	1.232	1.191	1.212	1.085
99.0	2.244	2.330	2.440	2.553	2.565	2.596	1.317	1.286	1.317	1.201
102.0	2.253	2.312	2.447	2.583	2.575	2.595	1.408	1.392	1.433	1.331
105.0	2.262	2.332	2.468	2.619	2.585	2.594	1.523	1.512	1.568	1.477
108.0	2.272	2.367	2.528	2.659	2.595	2.608	1.639	1.638	1.704	1.633
111.0	2.281	2.413	2.573	2.734	2.623	2.644	1.795	1.804	1.870	1.794
114.0	2.352	2.488	2.648	2.820	2.699	2.694	1.971	1.980	2.051	1.975
117.0	2.442	2.589	2.749	2.910	2.794	2.780	2.167	2.185	2.252	2.200
120.0	2.583	2.709	2.874	3.036	2.919	2.905	2.383	2.402	2.463	2.392
123.0	2.753	2.855	3.025	3.172	3.080	3.046	2.614	2.628	2.685	2.618
126.0	2.949	3.041	3.191	3.338	3.251	3.222	2.851	2.874	2.916	2.854
129.0	3.180	3.247	3.382	3.529	3.457	3.433	3.102	3.120	3.152	3.085
132.0	3.432	3.483	3.588	3.730	3.673	3.659	3.348	3.357	3.388	3.301
135.0	3.718	3.745	3.809	3.941	3.899	3.916	3.589	3.598	3.614	3.522
138.0	4.000	4.021	4.045	4.162	4.135	4.172	3.820	3.824	3.835	3.729
141.0	4.291	4.278	4.256	4.368	4.371	4.434	4.036	4.035	4.042	3.930
144.0	4.587	4.549	4.477	4.574	4.608	4.690	4.222	4.211	4.227	4.101
147.0	4.854	4.800	4.683	4.770	4.809	4.936	4.403	4.392	4.408	4.266
150.0	5.100	5.026	4.864	4.941	5.010	5.152	4.554	4.548	4.574	4.412
153.0	5.312	5.227	5.025	5.102	5.171	5.348	4.684	4.679	4.725	4.553
156.0	5.477	5.373	5.171	5.232	5.312	5.488	4.785	4.809	4.855	4.684
159.0	5.583	5.488	5.277	5.358	5.417	5.574	4.870	4.915	4.981	4.819
162.0	5.649	5.554	5.362	5.458	5.503	5.591	4.941	4.995	5.087	4.950
165.0	5.664	5.595	5.443	5.529	5.568	5.608	5.006	5.086	5.197	5.066
168.0	5.666	5.598	5.503	5.599	5.594	5.614	5.097	5.151	5.298	5.191
171.0	5.661	5.602	5.568	5.659	5.624	5.584	5.207	5.237	5.398	5.332
174.0	5.656	5.605	5.594	5.669	5.621	5.543	5.323	5.332	5.509	5.438
177.0	5.629	5.609	5.639	5.679	5.619	5.503	5.458	5.443	5.624	5.573
180.0	5.579	5.609	5.679	5.679	5.619	5.483	5.538	5.553	5.674	5.669
G/C	300.0	330.0								
0.0	772.8	771.6								
3.0	761.6	760.8								
6.0	731.6	728.6								
9.0	685.1	678.3								
12.0	626.9	618.1								
15.0	562.5	551.6								
18.0	495.3	475.7								
21.0	428.6	395.3								
24.0	364.6	319.2								
27.0	303.9	251.1								
30.0	249.2	193.5								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: WFW  
 Test Date: 2023-05-23

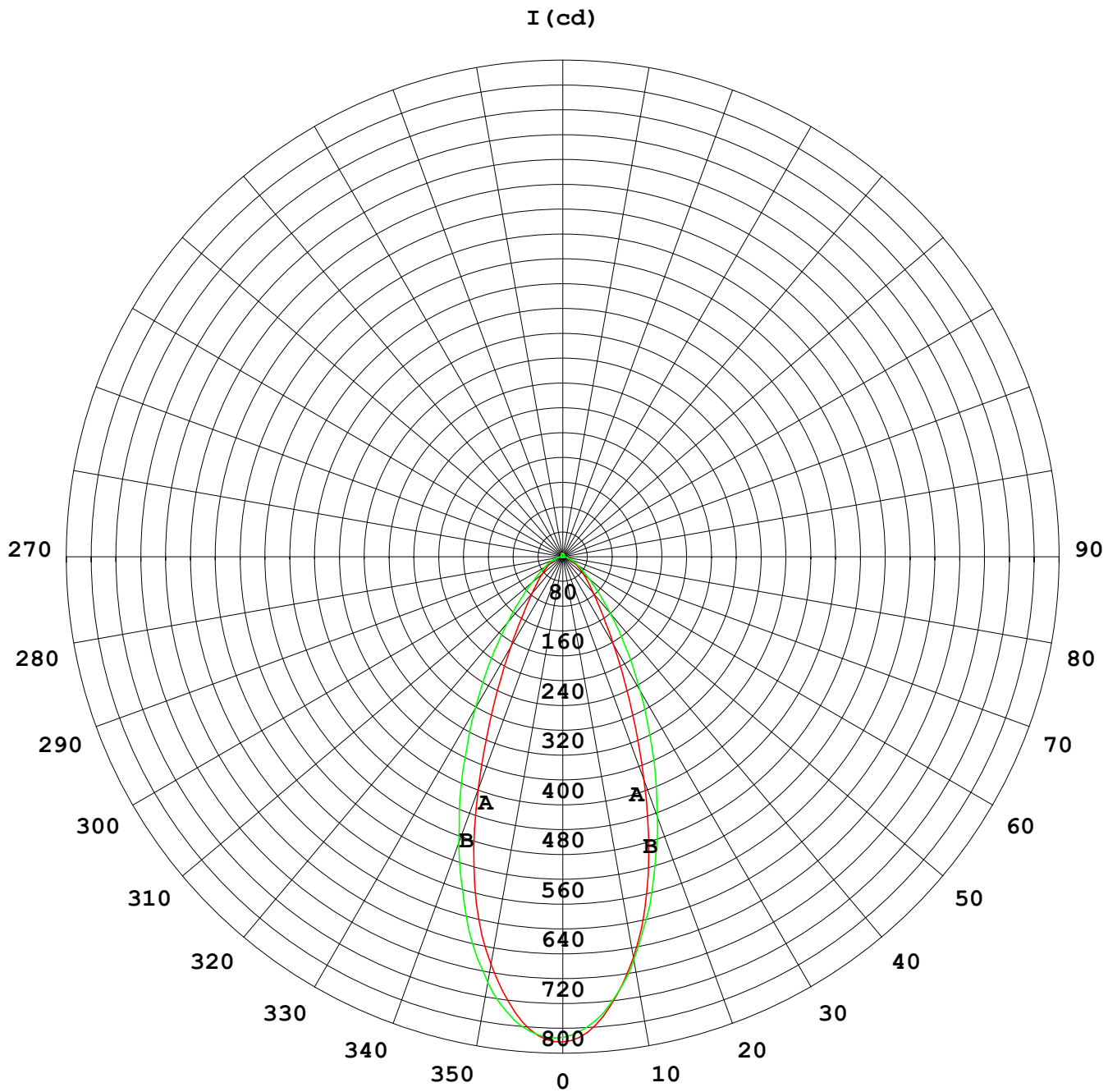
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

33.0	202.8	150.2
36.0	162.8	116.0
39.0	129.8	91.58
42.0	103.0	74.56
45.0	81.64	61.13
48.0	65.10	51.15
51.0	52.22	43.30
54.0	42.55	37.01
57.0	35.11	31.24
60.0	29.27	26.71
63.0	24.31	22.48
66.0	20.17	18.85
69.0	16.58	15.65
72.0	13.31	12.58
75.0	10.38	9.924
78.0	7.736	7.605
81.0	5.364	5.343
84.0	3.330	3.399
87.0	1.786	1.899
90.0	0.9590	0.9617
93.0	0.9051	0.7438
96.0	1.016	0.7888
99.0	1.126	0.8892
102.0	1.247	1.015
105.0	1.388	1.150
108.0	1.544	1.311
111.0	1.694	1.477
114.0	1.890	1.663
117.0	2.092	1.864
120.0	2.308	2.100
123.0	2.534	2.336
126.0	2.770	2.603
129.0	3.006	2.849
132.0	3.247	3.095
135.0	3.474	3.341
138.0	3.690	3.593
141.0	3.891	3.804
144.0	4.076	4.005
147.0	4.232	4.181
150.0	4.383	4.337
153.0	4.509	4.452
156.0	4.619	4.553
159.0	4.725	4.639
162.0	4.835	4.709
165.0	4.951	4.789
168.0	5.076	4.880
171.0	5.212	5.020
174.0	5.353	5.126
177.0	5.504	5.282
180.0	5.629	5.433

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-05-23

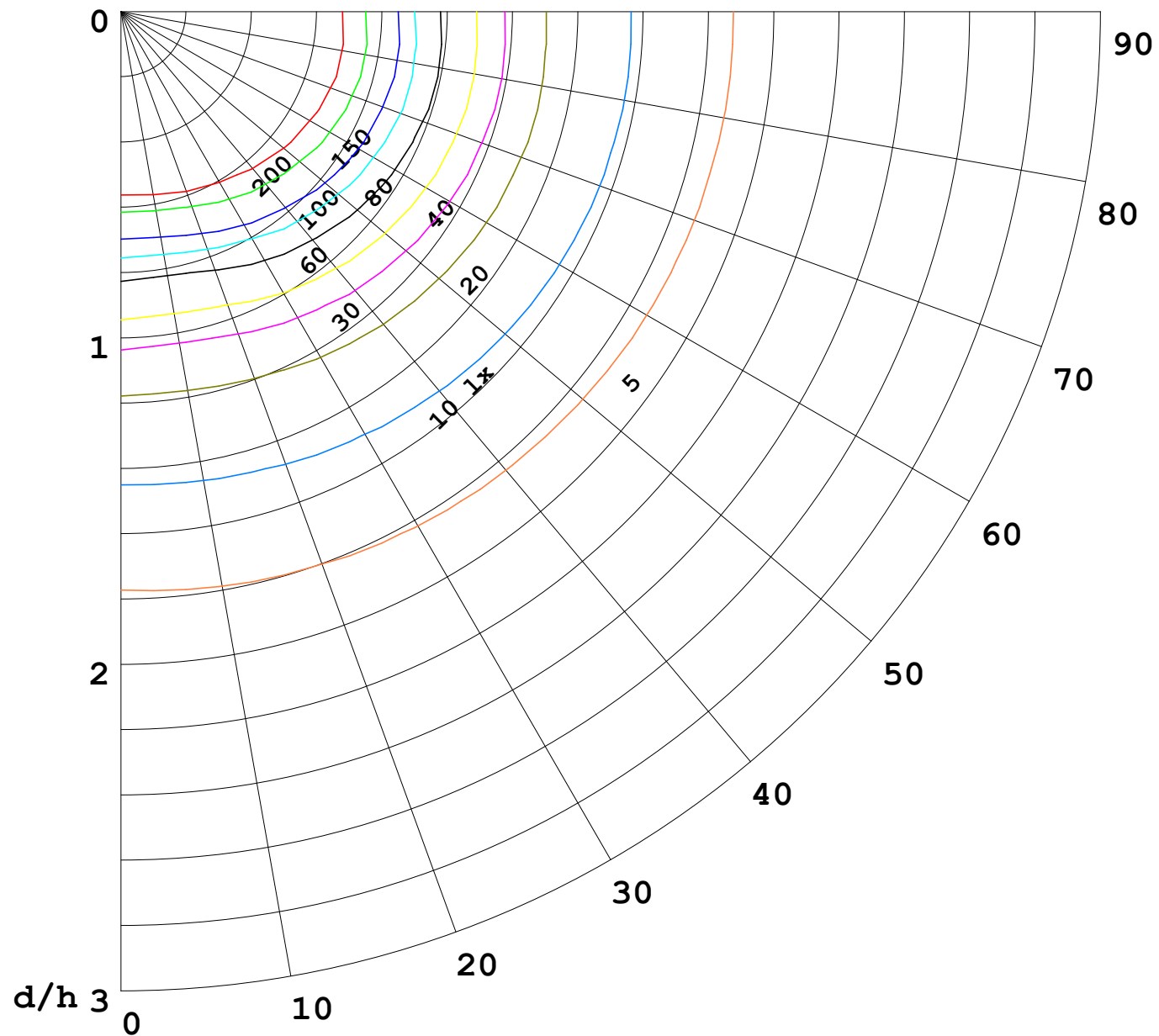
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:





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

