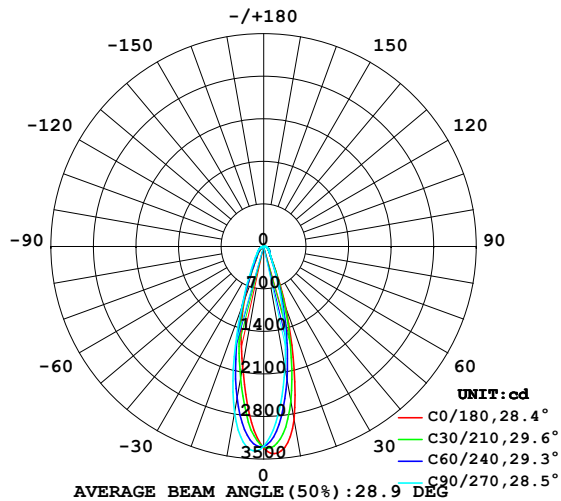


## LUMINAIRE PHOTOMETRIC TEST REPORT

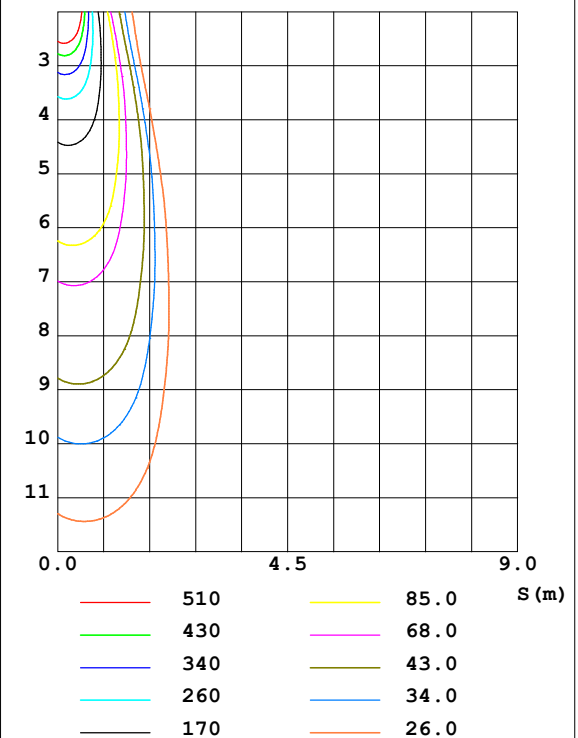
Test:U:24.00V I:0.7702A P:18.49W PF:1.000 Lamp Flux:1448.2x1 lm		
NAME: SFW20-24V-3535-24-CC-4000K-80-25	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.34 lm/W			
MODEL	3535	I <sub>max</sub> (cd)	3468	S/MH (C0/180)	0.53
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.42
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1448.2	η UP, DN (C0-180)	1.7, 45.6
NOMINAL FLUX (lm)	1448.2	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.3, 51.4
LAMPS INSIDE	1	η up (%)	3.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)		η down (%)	97.0	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



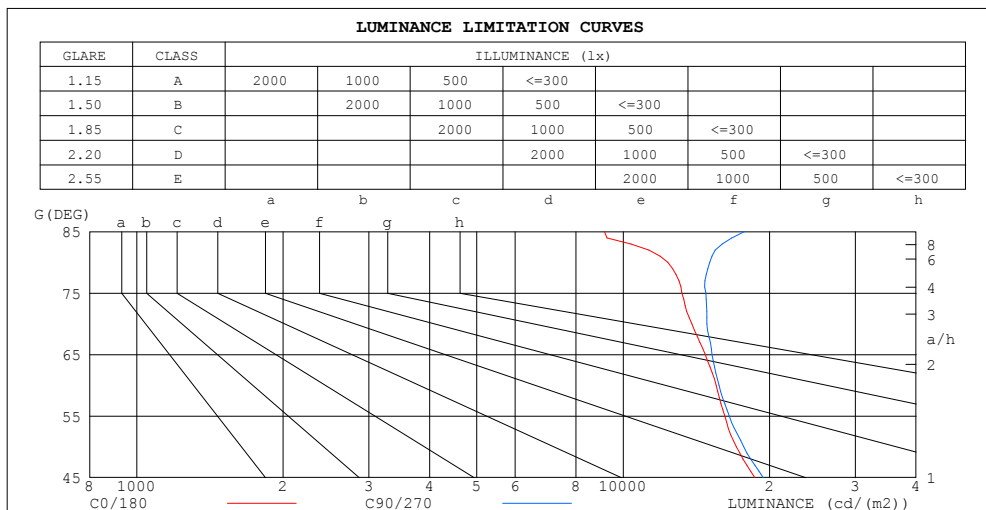
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 10.000m [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	2887	2400	2021	1907	2003	2368	2778	3040	0- 10	270.6	270.6	18.7,18.7
20	1053	910.0	780.1	798.7	913.4	1006	1059	1154	10- 20	449.8	720.4	49.7,49.7
30	300.0	282.9	281.1	263.3	271.0	289.8	370.8	353.2	20- 30	245.9	966.3	66.7,66.7
40	162.4	160.0	166.5	152.9	141.3	158.7	193.3	189.3	30- 40	135.8	1102	76.1,76.1
50	109.9	113.6	113.8	105.0	94.40	110.6	126.5	129.7	40- 50	105.4	1208	83.4,83.4
60	77.68	83.50	78.70	76.14	64.36	79.30	83.22	92.11	50- 60	86.21	1294	89.3,89.3
70	47.31	51.35	50.83	48.18	37.50	46.22	49.92	52.31	60- 70	63.83	1358	93.7,93.7
80	21.45	24.11	26.16	21.80	13.65	18.14	22.92	21.28	70- 80	36.17	1394	96.2,96.2
90	5.672	5.690	5.933	5.763	1.755	1.839	2.033	1.755	80- 90	11.25	1405	97,97
100	5.365	5.474	5.817	5.580	2.491	2.523	2.598	2.377	90-100	4.237	1409	97.3,97.3
110	5.256	5.478	5.904	5.598	3.496	3.498	3.442	3.243	100-110	4.461	1414	97.6,97.6
120	5.685	6.060	6.575	6.330	5.229	5.078	4.934	4.703	110-120	4.911	1419	98,98
130	7.110	7.665	8.360	8.208	7.610	7.287	7.001	6.796	120-130	5.785	1424	98.4,98.4
140	9.628	10.10	10.68	10.72	9.669	9.420	9.141	9.060	130-140	6.681	1431	98.8,98.8
150	12.25	12.42	12.63	12.93	10.97	10.83	10.57	10.55	140-150	6.759	1438	99.3,99.3
160	13.75	13.40	13.34	13.81	11.69	11.56	11.23	11.18	150-160	5.621	1443	99.7,99.7
170	13.58	13.00	13.04	13.28	11.76	11.86	11.72	11.49	160-170	3.548	1447	99.9,99.9
180	12.57	12.59	12.75	12.46	12.51	12.52	12.73	12.42	170-180	1.186	1448	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9145	17760
80	12350	15064
75	13212	14790
70	13831	14861
65	14743	15233
60	15537	15739
55	16186	16518
50	17096	17697
45	18654	19392

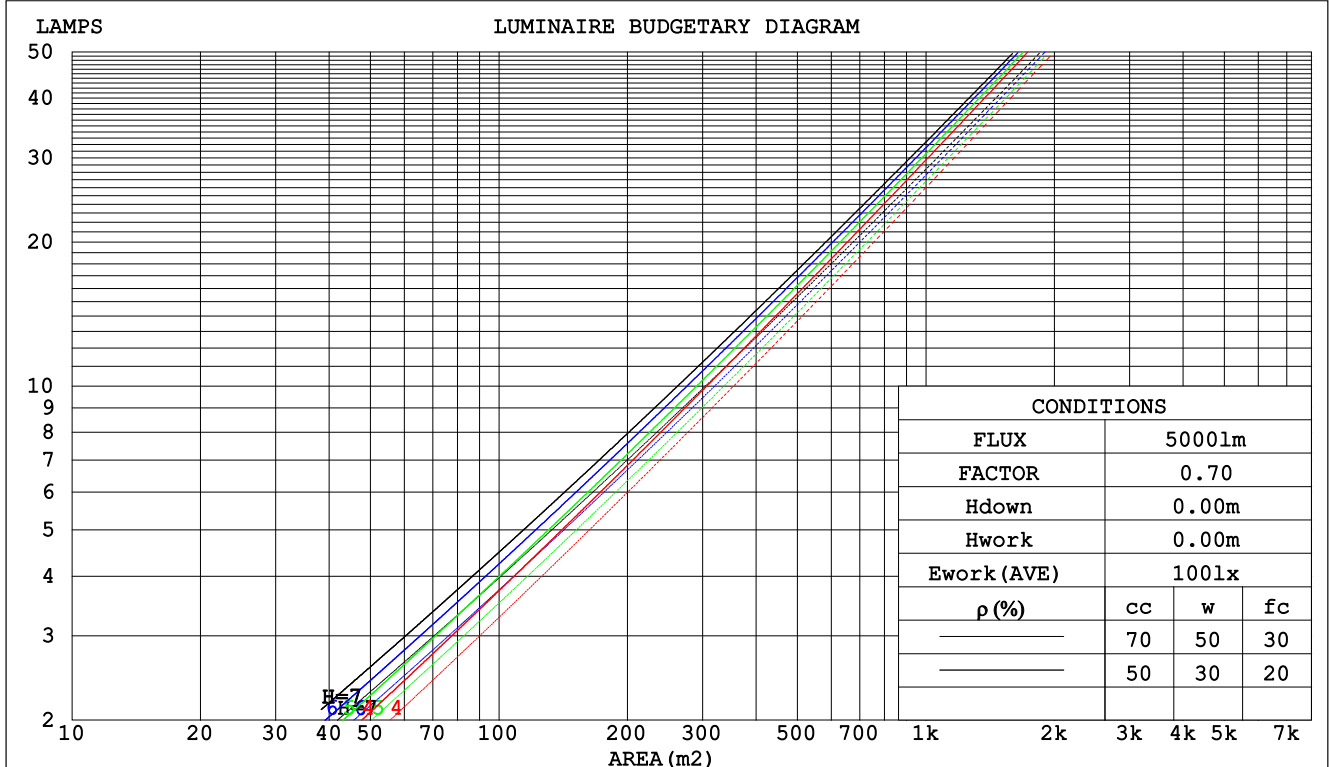
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.7702A P:18.49W PF:1.000 Lamp Flux:1448.2x1 lm		
NAME: SFW20-24V-3535-24-CC-4000K-80-25	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	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	1.09	1.06	1.03	1.06	1.03	1.01	1.01	.99	.97	.97	.96	.94	.93	.92	.91	.89
2.0	.00	.95	.92	.98	.94	.90	.94	.91	.88	.91	.88	.86	.87	.85	.83	.81
3.0	.93	.87	.83	.91	.86	.82	.88	.84	.80	.85	.82	.79	.82	.80	.77	.75
4.0	.87	.81	.76	.85	.80	.75	.83	.78	.74	.80	.76	.73	.78	.75	.72	.70
5.0	.81	.75	.71	.80	.74	.70	.78	.73	.69	.76	.72	.68	.74	.70	.67	.66
6.0	.77	.70	.66	.76	.70	.66	.74	.69	.65	.72	.68	.64	.70	.67	.64	.62
7.0	.73	.66	.62	.72	.66	.62	.70	.65	.61	.69	.64	.61	.67	.63	.60	.59
8.0	.69	.63	.59	.68	.63	.59	.67	.62	.58	.66	.61	.58	.64	.60	.57	.56
9.0	.66	.60	.56	.65	.60	.56	.64	.59	.55	.63	.58	.55	.62	.58	.55	.53
10.0	.63	.57	.53	.62	.57	.53	.61	.56	.53	.60	.56	.53	.59	.55	.52	.51



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:24.00V I:0.7702A P:18.49W PF:1.000 Lamp Flux:1448.2x1 lm					
NAME: SFW20-24V-3535-24-CC-4000K-80-25			TYPE:		WEIGHT:
DIM.: Length=1m			SPEC.:		SERIAL No.:
MFR.:			SUR.:		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	.207	.118	.037	.199	.114	.036	.185	.106	.034	.172	.099	.032	.159	.092	.030	
2.0	.194	.106	.033	.187	.103	.032	.175	.097	.030	.163	.092	.029	.153	.086	.027	
3.0	.180	.096	.029	.174	.093	.028	.164	.089	.027	.154	.084	.026	.144	.080	.025	
4.0	.167	.087	.026	.163	.085	.025	.153	.081	.024	.144	.078	.023	.136	.074	.023	
5.0	.156	.080	.023	.152	.078	.023	.144	.075	.022	.136	.072	.021	.129	.069	.021	
6.0	.147	.073	.021	.143	.072	.021	.135	.069	.020	.129	.067	.020	.122	.064	.019	
7.0	.138	.068	.019	.134	.067	.019	.128	.065	.019	.122	.062	.018	.116	.060	.018	
8.0	.130	.064	.018	.127	.063	.018	.121	.061	.017	.116	.059	.017	.110	.057	.017	
9.0	.123	.060	.017	.120	.059	.016	.115	.057	.016	.110	.055	.016	.105	.054	.015	
10.0	.117	.056	.016	.114	.055	.015	.110	.054	.015	.105	.052	.015	.101	.051	.015	

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	.213	.213	.213	.182	.182	.182	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.196	.180	.165	.168	.154	.142	.115	.106	.098	.066	.061	.057	.021	.020	.019	
2.0	.182	.155	.133	.156	.134	.115	.107	.093	.080	.062	.054	.047	.020	.017	.015	
3.0	.170	.137	.110	.146	.118	.096	.100	.082	.067	.058	.048	.040	.019	.016	.013	
4.0	.160	.122	.094	.137	.106	.081	.094	.074	.057	.055	.043	.034	.018	.014	.011	
5.0	.151	.111	.082	.130	.096	.071	.089	.067	.050	.052	.039	.030	.017	.013	.010	
6.0	.143	.102	.072	.123	.088	.063	.085	.062	.045	.049	.036	.026	.016	.012	.009	
7.0	.136	.094	.065	.117	.082	.057	.081	.057	.040	.047	.034	.024	.015	.011	.008	
8.0	.130	.088	.059	.112	.076	.052	.077	.054	.037	.045	.032	.022	.015	.010	.007	
9.0	.124	.083	.055	.107	.072	.048	.074	.050	.034	.043	.030	.020	.014	.010	.007	
10.0	.119	.078	.051	.102	.068	.045	.071	.048	.032	.041	.028	.019	.013	.009	.006	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LYH  
 Test Date:2024-07-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

Test:U:24.00V I:0.7702A P:18.49W PF:1.000 Lamp Flux:1448.2x1 lm										
NAME: SFW20-24V-3535-24-CC-4000K-80-25						TYPE:		WEIGHT:		
DIM.: Length=1m						SPEC.:		SERIAL No.:		
MFR.:						SUR.:		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	19.5	20.5	19.8	20.7	20.9	19.4	20.4	19.7	20.6	20.8
3H	20.9	21.8	21.2	22.0	22.3	20.9	21.8	21.2	22.0	22.3
4H	21.4	22.3	21.7	22.5	22.8	21.6	22.4	21.9	22.7	23.0
6H	21.9	22.7	22.2	23.0	23.3	22.1	22.9	22.5	23.2	23.5
8H	22.0	22.8	22.4	23.1	23.4	22.4	23.1	22.7	23.5	23.8
12H	22.0	22.8	22.4	23.1	23.5	22.6	23.3	23.0	23.7	24.0
4H 2H	20.1	21.0	20.4	21.3	21.5	20.1	20.9	20.4	21.2	21.5
3H	21.7	22.4	22.0	22.8	23.1	21.7	22.5	22.1	22.8	23.1
4H	22.4	23.1	22.8	23.4	23.8	22.5	23.2	22.9	23.5	23.9
6H	22.9	23.5	23.4	23.9	24.3	23.2	23.8	23.6	24.2	24.6
8H	23.1	23.7	23.6	24.1	24.5	23.5	24.1	23.9	24.5	24.9
12H	23.2	23.7	23.6	24.1	24.6	23.8	24.3	24.2	24.7	25.2
8H 4H	22.6	23.2	23.1	23.6	24.1	22.8	23.3	23.2	23.7	24.2
6H	23.4	23.8	23.8	24.3	24.8	23.6	24.1	24.1	24.5	25.0
8H	23.6	24.0	24.1	24.5	25.0	24.0	24.4	24.5	24.9	25.4
12H	23.8	24.1	24.3	24.6	25.1	24.4	24.8	24.9	25.3	25.8
12H 4H	22.7	23.2	23.1	23.6	24.1	22.8	23.3	23.2	23.7	24.2
6H	23.4	23.9	23.9	24.3	24.8	23.7	24.1	24.2	24.6	25.1
8H	23.7	24.1	24.3	24.6	25.1	24.1	24.5	24.7	25.0	25.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.2					+ 0.1 / - 0.1				
2.0H	+ 0.2 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1448 lm Total Lamp Luminous Flux. (8log(F/F0) = 1.3)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LYH  
 Test Date: 2024-07-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 10.000m [K=1.0000]  
 Remarks:

### UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.7702A P:18.49W PF:1.000 Lamp Flux:1448.2x1 lm		
NAME: SFW20-24V-3535-24-CC-4000K-80-25	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

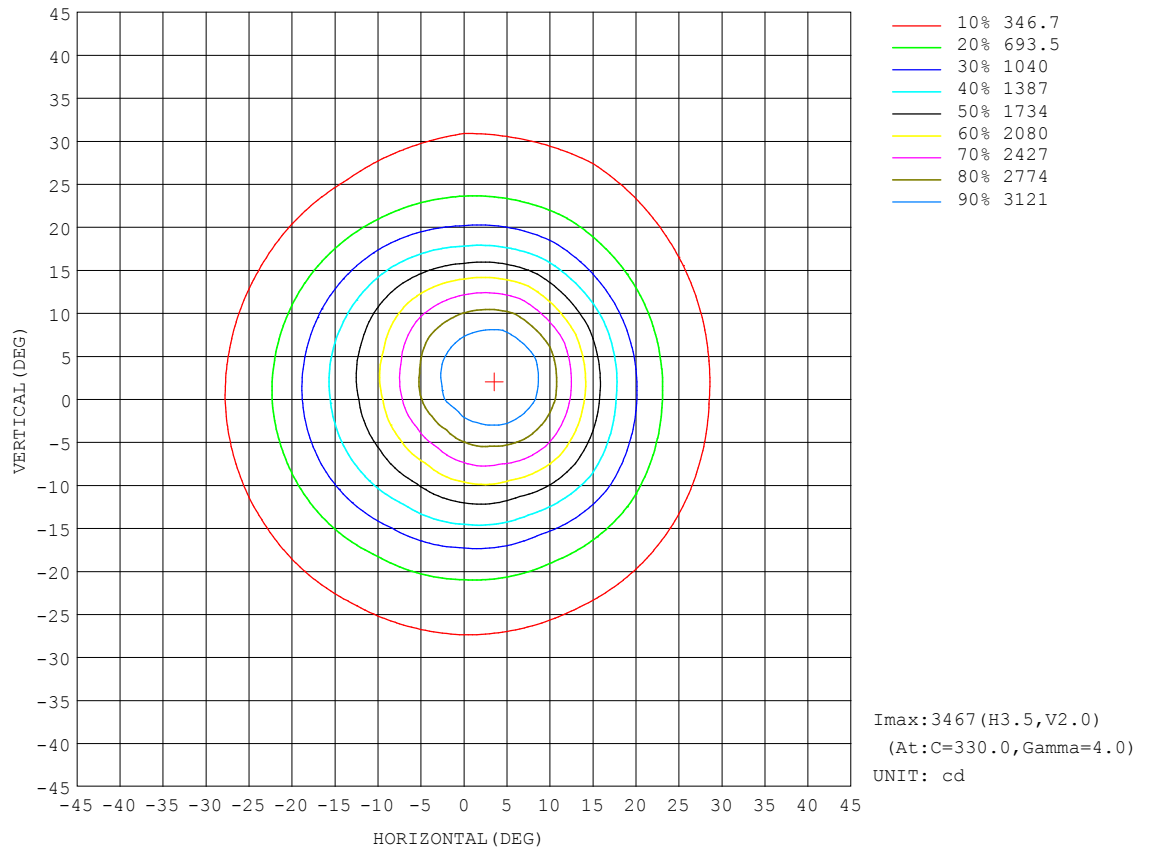
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	77	69	64	76	69	64	75	68	64	59
0.80	85	77	72	84	77	72	82	76	72	67
1.00	91	83	78	89	83	78	87	83	77	72
1.25	96	89	84	94	88	83	92	86	82	77
1.50	99	92	88	97	92	87	95	90	86	80
2.00	103	97	93	101	96	92	98	94	90	84
2.50	105	100	96	104	99	95	100	96	93	85
3.00	108	103	99	105	101	98	101	98	95	88
4.00	110	107	103	108	105	102	104	101	99	90
5.00	112	109	106	110	107	104	105	103	101	92
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:LYH  
Test Date:2024-07-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:24.00V I:0.7702A P:18.49W PF:1.000 Lamp Flux:1448.2x1 lm		
NAME: SFW20-24V-3535-24-CC-4000K-80-25	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

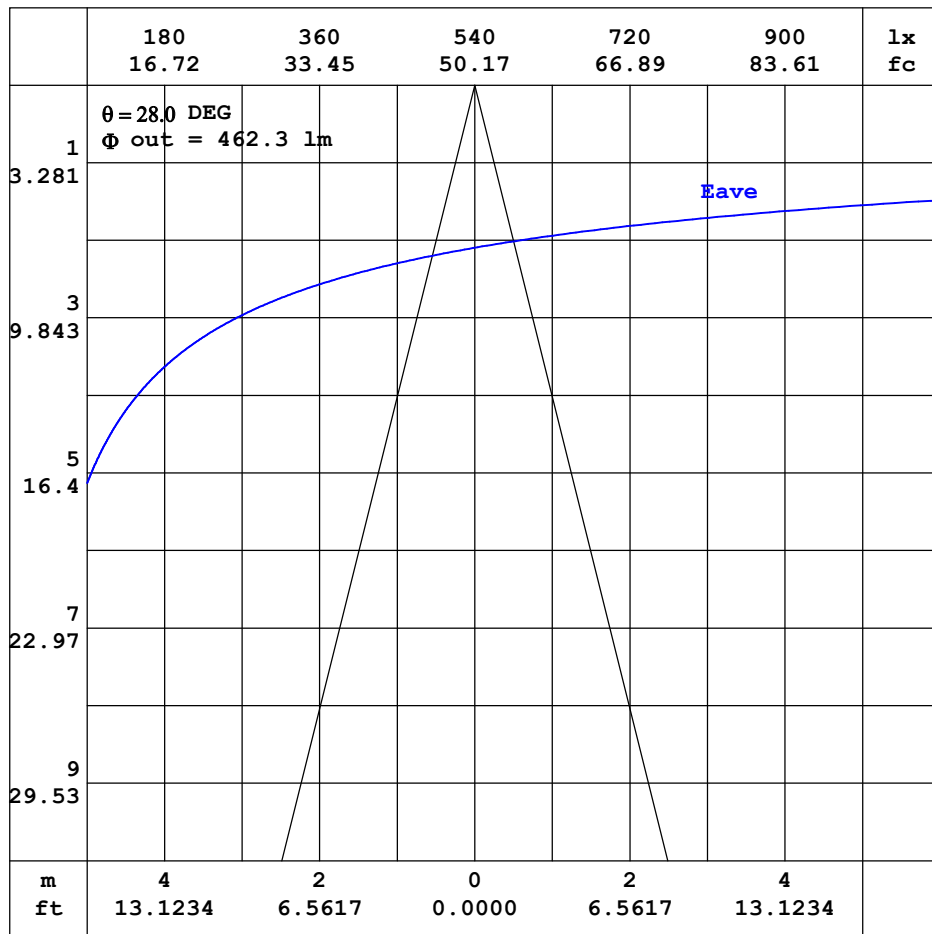


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

### AAI CURVES

Test:U:24.00V I:0.7702A P:18.49W PF:1.000 Lamp Flux:1448.2x1 lm		
NAME: SFW20-24V-3535-24-CC-4000K-80-25	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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

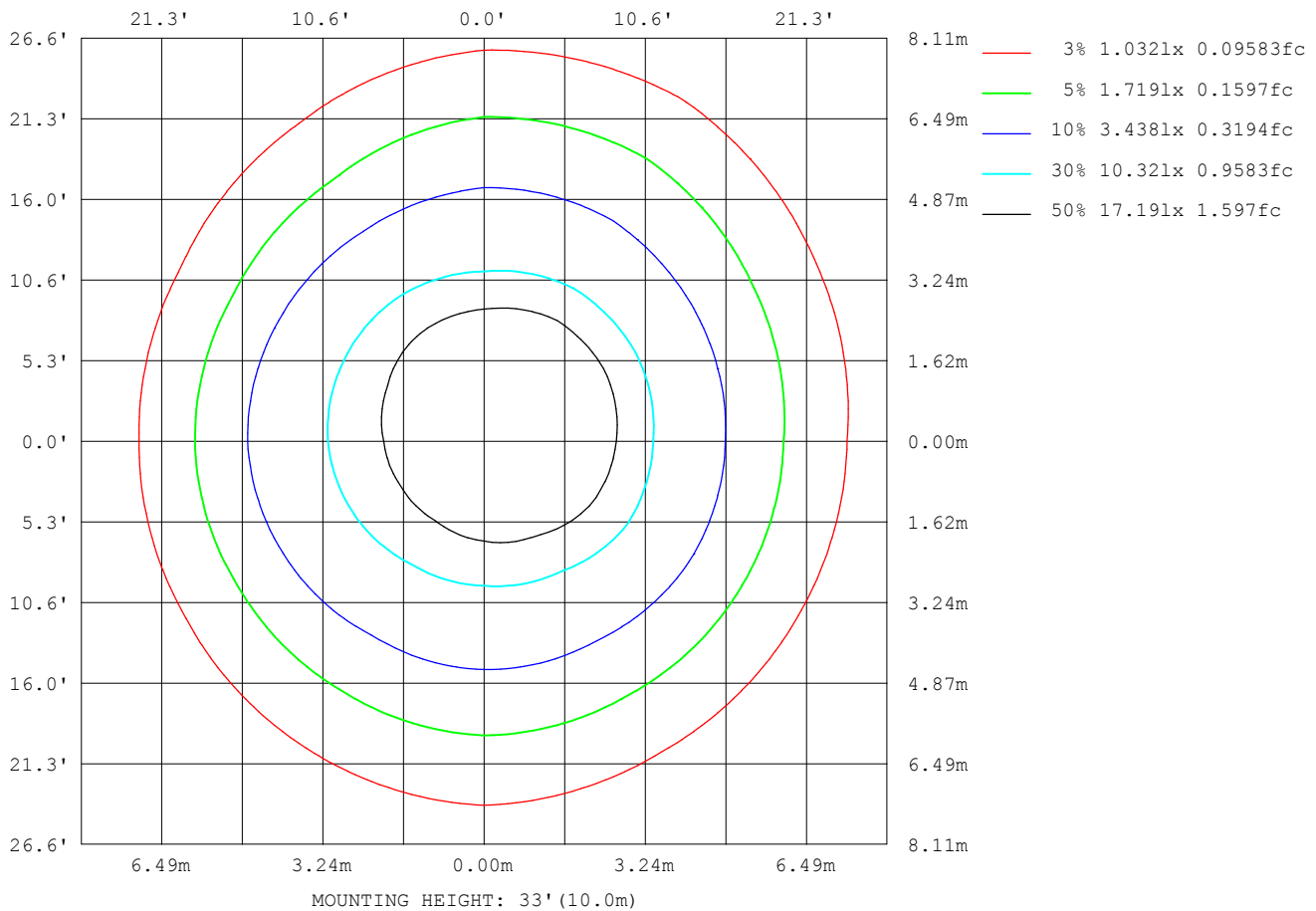
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LYH  
 Test Date: 2024-07-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 10.000m [K=1.0000]  
 Remarks:



## ISOLUX DIAGRAM

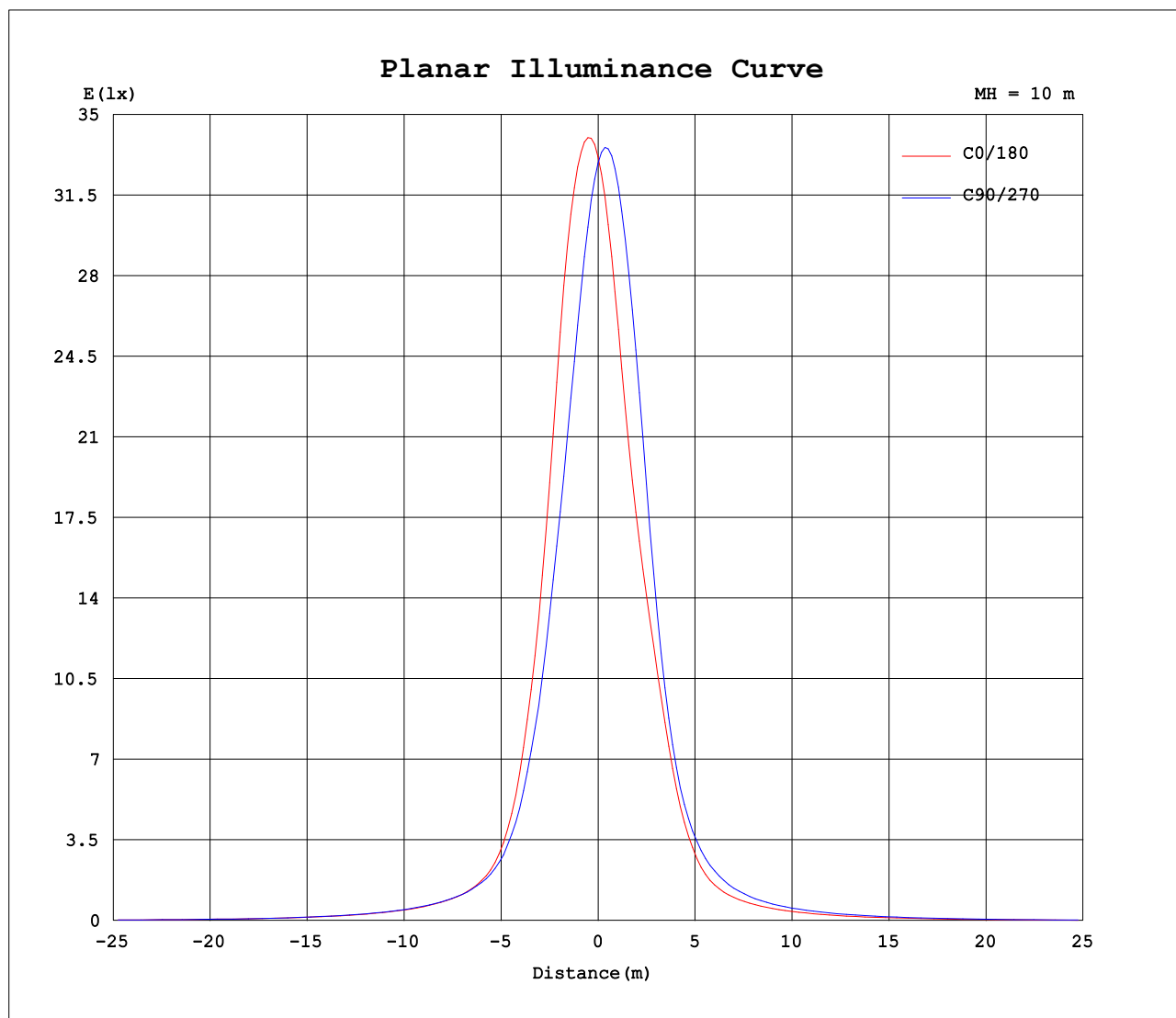
Test:U:24.00V I:0.7702A P:18.49W PF:1.000 Lamp Flux:1448.2x1 lm		
NAME: SFW20-24V-3535-24-CC-4000K-80-25	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.7702A P:18.49W PF:1.000 Lamp Flux:1448.2x1 lm		
NAME: SFW20-24V-3535-24-CC-4000K-80-25	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	3318	3301	3292	3288	3278	3286	3318	3301	3292	3288	3278	3286							
5	3376	3176	2940	2774	2641	2649	2761	2903	3118	3304	3436	3463							
10	2887	2579	2221	2021	1901	1914	2003	2204	2531	2778	3015	3065							
15	1887	1715	1445	1324	1282	1359	1445	1583	1759	1879	2099	2077							
20	1053	993	827	780	759	838	913	979	1033	1059	1175	1133							
25	534	503	445	443	420	451	494	510	532	595	621	574							
30	300	289	277	281	265	261	271	274	305	371	374	332							
35	209	203	201	208	196	186	184	190	215	258	262	233							
40	162	160	160	166	158	148	141	149	169	193	199	179							
45	132	133	133	137	130	122	114	123	139	155	162	146							
50	110	114	113	114	108	102	94.4	105	117	127	135	124							
55	92.8	100	96.6	94.7	92.2	86.4	78.2	89.8	99.0	103	114	107							
60	77.7	85.5	81.5	78.7	78.2	74.1	64.4	75.7	82.9	83.2	94.0	90.3							
65	62.3	68.9	66.3	64.4	64.1	61.1	51.4	60.3	65.8	65.8	74.0	70.7							
70	47.3	51.3	51.4	50.8	50.1	46.3	37.5	43.7	48.8	49.9	54.1	50.5							
75	34.2	36.5	37.6	38.3	36.6	31.7	24.7	28.4	34.1	35.6	37.1	33.7							
80	21.4	23.3	24.9	26.2	24.1	19.5	13.6	15.1	21.1	22.9	23.1	19.5							
85	7.97	9.12	13.5	15.5	12.2	8.26	3.47	3.69	8.42	11.4	10.3	4.48							
90	5.67	5.59	5.79	5.93	5.88	5.65	1.76	1.76	1.92	2.03	1.86	1.65							
95	5.52	5.43	5.69	5.87	5.77	5.53	2.11	2.07	2.25	2.27	2.16	1.89							
100	5.37	5.34	5.61	5.82	5.70	5.46	2.49	2.43	2.61	2.60	2.49	2.26							
105	5.28	5.34	5.58	5.83	5.66	5.46	2.94	2.87	3.04	2.93	2.83	2.67							
110	5.26	5.38	5.58	5.90	5.68	5.52	3.50	3.43	3.57	3.44	3.31	3.17							
115	5.37	5.55	5.77	6.12	5.95	5.74	4.24	4.14	4.25	4.10	4.04	3.78							
120	5.68	5.93	6.19	6.57	6.45	6.21	5.23	5.07	5.09	4.93	4.83	4.58							
125	6.24	6.53	6.91	7.35	7.26	7.00	6.39	6.17	6.10	5.91	5.78	5.57							
130	7.11	7.44	7.89	8.36	8.33	8.08	7.61	7.36	7.22	7.00	6.88	6.72							
135	8.26	8.61	9.07	9.53	9.55	9.36	8.74	8.49	8.35	8.11	8.02	7.93							
140	9.63	9.90	10.3	10.7	10.8	10.7	9.67	9.48	9.36	9.14	9.09	9.03							
145	11.0	11.2	11.5	11.8	11.9	11.9	10.4	10.2	10.2	9.95	9.94	9.91							
150	12.2	12.4	12.4	12.6	12.8	13.0	11.0	10.9	10.8	10.6	10.6	10.5							
155	13.2	13.2	13.1	13.2	13.4	13.8	11.4	11.3	11.2	11.0	11.0	10.9							
160	13.8	13.6	13.2	13.3	13.6	14.0	11.7	11.6	11.5	11.2	11.2	11.2							
165	13.8	13.5	13.2	13.2	13.6	13.8	11.8	11.7	11.7	11.5	11.3	11.3							
170	13.6	13.1	12.9	13.0	13.3	13.3	11.8	11.8	11.9	11.7	11.5	11.4							
175	13.0	12.7	12.8	12.9	12.9	12.7	11.9	11.9	12.3	12.2	11.9	11.7							
180	12.6	12.5	12.7	12.8	12.6	12.3	12.5	12.4	12.7	12.7	12.6	12.3							

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [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	3318	3301	3292	3288	3278	3286	3318	3301	3292	3288
3.0	3414	3289	3136	3024	2932	2943	3035	3115	3249	3365
6.0	3327	3095	2816	2628	2487	2486	2610	2767	3029	3237
9.0	3036	2727	2379	2181	2037	2051	2142	2350	2671	2919
12.0	2497	2238	1890	1739	1632	1665	1760	1928	2229	2449
15.0	1887	1715	1445	1324	1282	1359	1445	1583	1759	1879
18.0	1337	1270	1041	969.5	947.4	1040	1127	1204	1303	1350
21.0	925.4	861.9	737.2	693.1	672.4	740.5	812.7	869.4	908.5	939.3
24.0	610.1	579.1	501.3	492.5	467.2	508.4	560.9	583.9	606.7	662.0
27.0	410.9	386.6	361.1	358.8	341.9	351.8	379.7	387.3	411.8	486.7
30.0	300.0	288.6	277.3	281.1	265.4	261.1	271.0	274.4	305.3	370.8
33.0	237.8	229.7	226.2	232.6	217.4	209.2	209.8	215.0	243.7	294.8
36.0	197.7	192.5	190.6	198.6	187.1	177.0	173.1	180.3	204.1	242.4
39.0	169.9	166.9	166.5	173.0	164.5	153.7	148.1	155.4	176.1	203.2
42.0	148.6	147.6	148.4	153.7	145.8	136.3	129.3	137.3	155.0	176.1
45.0	131.9	133.2	133.4	137.1	129.8	121.9	114.4	123.4	138.8	155.1
48.0	118.1	120.9	120.5	122.5	116.1	109.2	102.0	111.4	124.9	137.1
51.0	106.1	111.2	109.4	109.8	104.8	98.48	90.84	101.3	112.9	121.4
54.0	95.90	102.7	99.56	98.11	95.07	89.23	81.11	92.65	102.3	107.7
57.0	86.47	94.45	90.35	88.16	86.47	81.53	72.59	84.16	92.51	95.09
60.0	77.68	85.53	81.46	78.70	78.18	74.09	64.36	75.70	82.91	83.22
63.0	68.53	75.68	72.55	70.00	69.83	66.50	57.00	66.68	72.68	72.58
66.0	59.30	65.43	63.30	61.75	61.29	58.11	48.74	56.58	62.27	62.52
69.0	50.21	54.79	54.48	53.41	52.80	49.27	40.23	46.60	51.98	52.98
72.0	41.76	44.95	45.62	45.95	44.59	40.06	32.07	37.08	42.53	44.01
75.0	34.19	36.48	37.58	38.28	36.65	31.71	24.68	28.37	34.09	35.59
78.0	26.70	28.73	29.75	30.82	28.87	24.14	17.96	19.93	26.22	27.80
81.0	18.63	20.48	22.53	23.84	21.73	17.27	11.54	12.99	18.67	20.53
84.0	9.683	12.08	15.96	17.48	14.66	10.48	4.846	5.673	11.05	13.61
87.0	6.862	6.760	7.628	11.31	7.148	6.346	2.181	2.225	3.099	7.030
90.0	5.672	5.591	5.790	5.933	5.876	5.649	1.755	1.762	1.915	2.033
93.0	5.584	5.503	5.715	5.882	5.810	5.576	1.959	1.914	2.112	2.140
96.0	5.475	5.402	5.664	5.860	5.751	5.503	2.199	2.132	2.323	2.343
99.0	5.380	5.336	5.620	5.817	5.708	5.460	2.410	2.351	2.534	2.533
102.0	5.322	5.336	5.598	5.824	5.678	5.460	2.665	2.598	2.775	2.708
105.0	5.278	5.336	5.576	5.831	5.664	5.460	2.942	2.875	3.044	2.933
108.0	5.256	5.351	5.576	5.860	5.664	5.475	3.248	3.202	3.350	3.224
111.0	5.256	5.409	5.605	5.926	5.721	5.540	3.627	3.566	3.692	3.559
114.0	5.307	5.511	5.736	6.050	5.867	5.679	4.079	3.988	4.093	3.974
117.0	5.459	5.672	5.918	6.254	6.099	5.883	4.610	4.504	4.559	4.417
120.0	5.685	5.926	6.194	6.575	6.448	6.211	5.229	5.065	5.091	4.934
123.0	5.997	6.240	6.594	7.012	6.907	6.633	5.921	5.720	5.673	5.509
126.0	6.397	6.692	7.089	7.551	7.467	7.201	6.642	6.412	6.307	6.113
129.0	6.899	7.224	7.685	8.134	8.100	7.835	7.370	7.117	6.984	6.775
132.0	7.532	7.871	8.347	8.818	8.799	8.570	8.076	7.824	7.668	7.460
135.0	8.260	8.607	9.068	9.531	9.548	9.357	8.738	8.487	8.345	8.108
138.0	9.061	9.393	9.796	10.22	10.28	10.14	9.313	9.106	8.971	8.742
141.0	9.890	10.18	10.54	10.91	11.02	10.93	9.822	9.659	9.546	9.338
144.0	10.73	10.98	11.24	11.57	11.71	11.70	10.25	10.10	10.03	9.805
147.0	11.54	11.73	11.88	12.14	12.32	12.41	10.64	10.50	10.46	10.22
150.0	12.25	12.41	12.42	12.63	12.83	13.03	10.97	10.85	10.80	10.57
153.0	12.86	12.96	12.84	13.01	13.21	13.53	11.26	11.14	11.09	10.83
156.0	13.34	13.36	13.10	13.25	13.48	13.85	11.48	11.36	11.31	11.04
159.0	13.68	13.56	13.23	13.34	13.60	13.99	11.65	11.55	11.49	11.20
162.0	13.82	13.55	13.25	13.32	13.65	13.96	11.76	11.68	11.61	11.31
165.0	13.83	13.47	13.21	13.22	13.58	13.80	11.76	11.73	11.71	11.45
168.0	13.74	13.27	13.03	13.11	13.40	13.53	11.76	11.79	11.84	11.57
171.0	13.47	12.99	12.87	12.99	13.19	13.18	11.76	11.80	11.99	11.79
174.0	13.14	12.72	12.78	12.90	13.00	12.82	11.85	11.89	12.18	12.05
177.0	12.83	12.52	12.75	12.88	12.81	12.52	12.13	12.07	12.46	12.40
180.0	12.57	12.46	12.72	12.75	12.58	12.35	12.51	12.39	12.65	12.73
G/C	300.0	330.0								
0.0	3278	3286								
3.0	3442	3454								
6.0	3400	3433								
9.0	3147	3202								
12.0	2688	2712								
15.0	2099	2077								
18.0	1506	1497								
21.0	1030	988.5								
24.0	699.1	659.2								
27.0	496.6	450.7								
30.0	374.1	332.3								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LYH  
 Test Date: 2024-07-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 10.000m [K=1.0000]  
 Remarks:

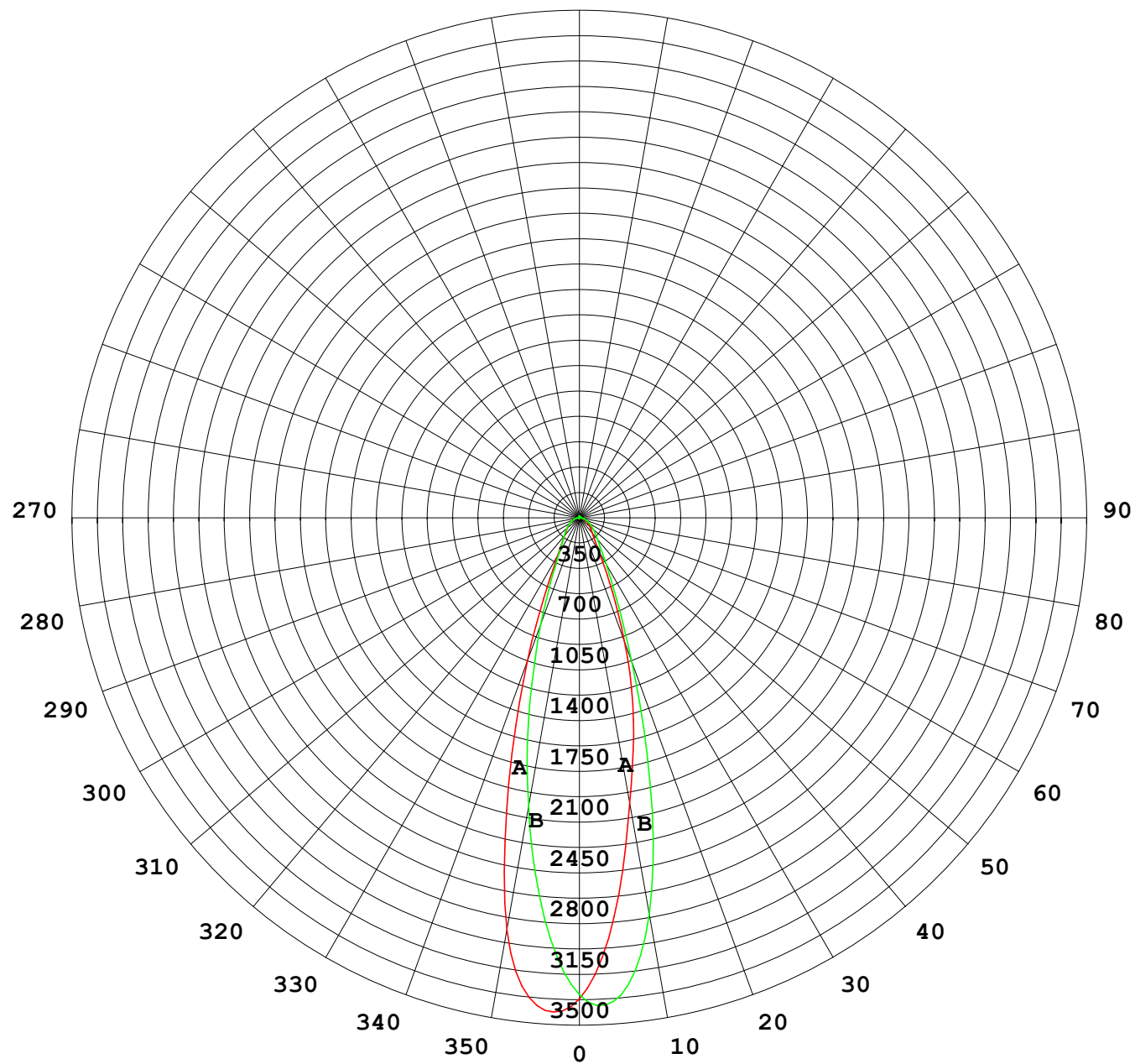
## Photometric Data Table [cd]

33.0	299.0	263.2
36.0	246.9	218.4
39.0	209.5	188.0
42.0	182.4	164.3
45.0	162.0	146.3
48.0	145.2	131.8
51.0	130.9	120.0
54.0	118.1	110.1
57.0	105.9	99.99
60.0	93.96	90.27
63.0	82.06	78.48
66.0	69.87	66.47
69.0	57.88	54.40
72.0	46.82	43.33
75.0	37.07	33.66
78.0	28.51	25.05
81.0	20.48	16.81
84.0	12.98	7.522
87.0	4.066	2.581
90.0	1.864	1.646
93.0	2.017	1.761
96.0	2.228	1.965
99.0	2.425	2.183
102.0	2.643	2.409
105.0	2.833	2.671
108.0	3.095	2.955
111.0	3.452	3.282
114.0	3.889	3.653
117.0	4.341	4.075
120.0	4.828	4.577
123.0	5.375	5.160
126.0	5.972	5.786
129.0	6.642	6.470
132.0	7.340	7.198
135.0	8.025	7.933
138.0	8.673	8.618
141.0	9.284	9.236
144.0	9.800	9.761
147.0	10.21	10.18
150.0	10.56	10.53
153.0	10.83	10.78
156.0	11.03	10.98
159.0	11.17	11.13
162.0	11.26	11.23
165.0	11.34	11.31
168.0	11.45	11.37
171.0	11.60	11.46
174.0	11.83	11.61
177.0	12.18	11.89
180.0	12.57	12.27

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-20

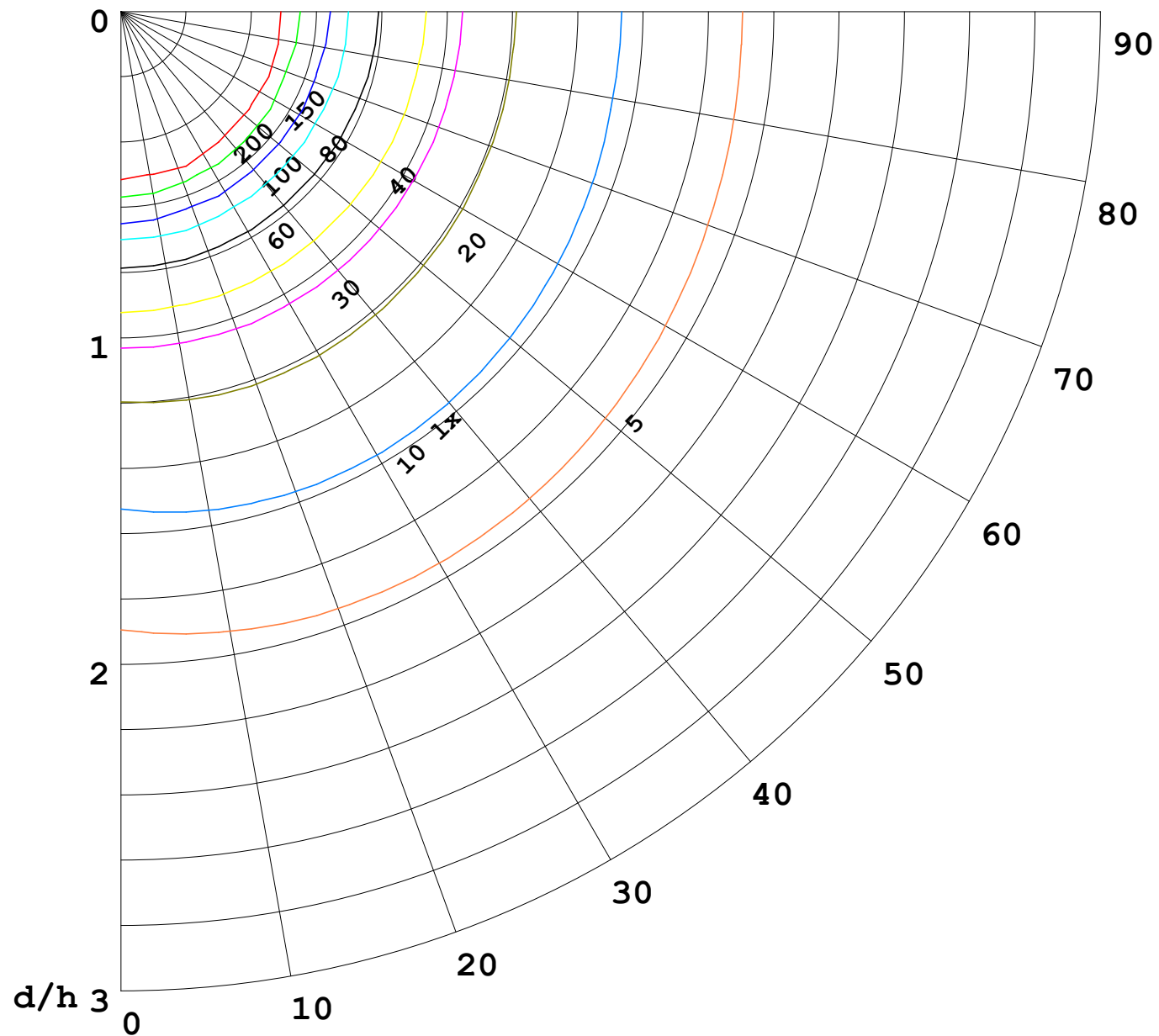
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

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

