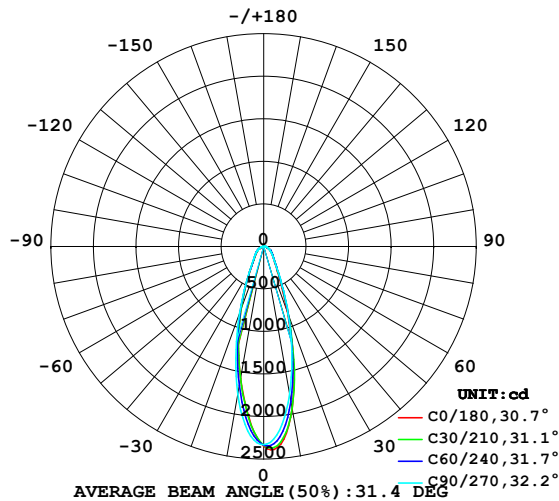


## LUMINAIRE PHOTOMETRIC TEST REPORT

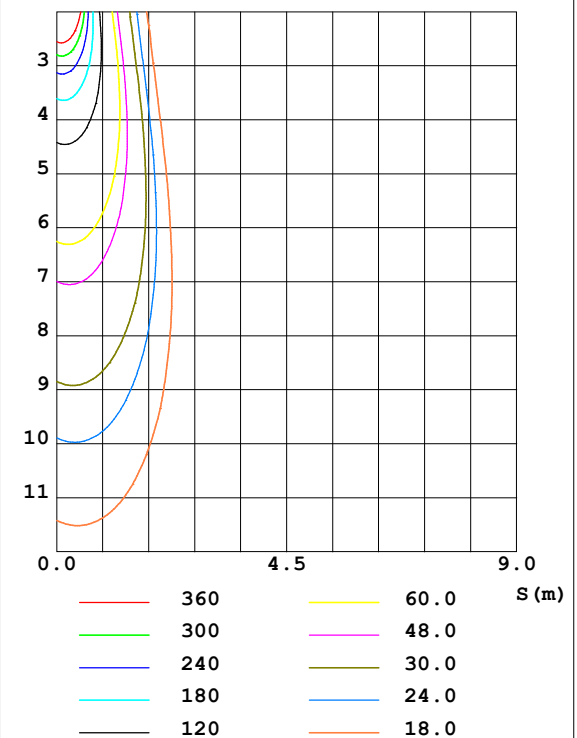
Test:U:24.00V I:0.7783A P:18.68W PF:1.000 Lamp Flux:1273.17x1 lm		
NAME: SFW20-24V-3535-24-CC-3000K-80-25	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.16 lm/W			
MODEL	3535	I <sub>max</sub> (cd)	2391	S/MH (C0/180)	0.55
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.53
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1273.2	η UP, DN (C0-180)	1.7, 49.1
NOMINAL FLUX (lm)	1273.17	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.3, 47.9
LAMPS INSIDE	1	η up (%)	3.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)		η down (%)	97.0	CIBSE SHR MAX	0.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



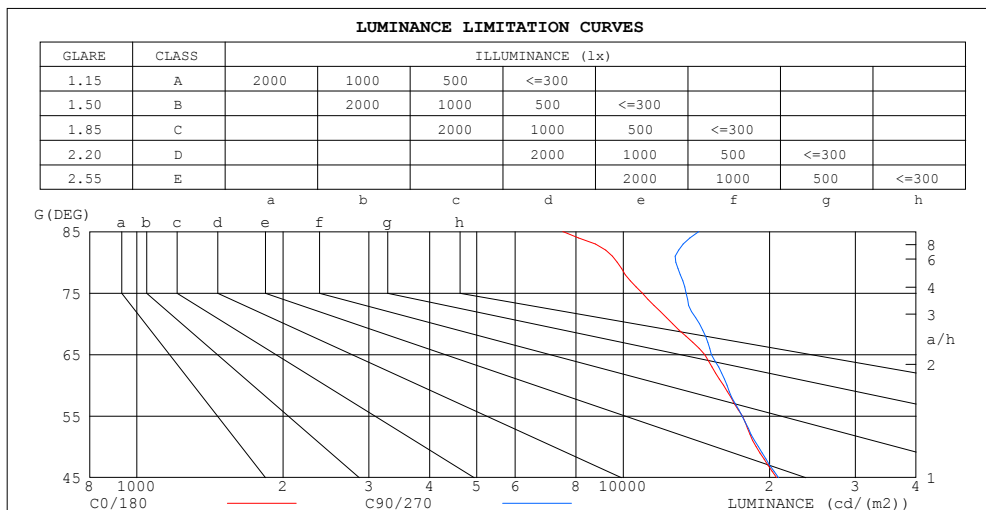
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-19

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	1932	1887	1759	1607	1575	1618	1757	1894	0- 10	193.4	193.4	15.2,15.2
20	815.6	851.7	845.7	793.6	782.7	789.9	826.1	842.5	10- 20	345.1	538.5	42.3,42.3
30	315.8	333.8	335.3	316.1	313.6	318.8	329.8	334.0	20- 30	237.9	776.4	61,61
40	179.9	187.4	181.9	173.1	166.7	173.4	180.2	187.4	30- 40	147.9	924.3	72.6,72.6
50	120.6	131.0	122.0	120.2	110.1	118.6	119.8	130.2	40- 50	114.1	1038	81.6,81.6
60	80.34	89.39	81.75	82.82	72.08	80.42	78.71	88.56	50- 60	91.64	1130	88.8,88.8
70	43.20	48.58	49.11	46.82	38.72	43.80	45.81	47.48	60- 70	63.35	1193	93.7,93.7
80	16.88	19.95	22.28	19.43	13.09	15.98	18.91	16.98	70- 80	32.64	1226	96.3,96.3
90	4.790	4.863	5.102	4.918	1.583	1.733	1.943	1.665	80- 90	9.461	1236	97,97
100	4.716	4.863	5.151	4.915	2.239	2.361	2.520	2.251	90-100	3.763	1239	97.3,97.3
110	4.752	4.985	5.280	5.022	3.135	3.278	3.341	3.130	100-110	4.061	1243	97.7,97.7
120	5.279	5.519	5.863	5.626	4.527	4.645	4.640	4.406	110-120	4.500	1248	98,98
130	6.492	6.733	7.109	6.966	6.386	6.396	6.308	6.111	120-130	5.162	1253	98.4,98.4
140	8.411	8.517	8.777	8.793	8.053	8.027	7.903	7.821	130-140	5.736	1259	98.9,98.9
150	10.36	10.28	10.35	10.54	9.199	9.189	9.007	8.971	140-150	5.671	1264	99.3,99.3
160	11.46	11.24	11.18	11.47	9.910	9.897	9.633	9.535	150-160	4.710	1269	99.7,99.7
170	11.49	11.19	11.23	11.34	10.23	10.29	10.15	9.885	160-170	3.015	1272	99.9,99.9
180	10.90	10.96	11.08	10.83	10.84	10.92	11.04	10.79	170-180	1.026	1273	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7520	14319
80	9720	12832
75	10942	13474
70	12631	14360
65	14694	15189
60	16068	16349
55	17573	17566
50	18765	18979
45	20667	20875

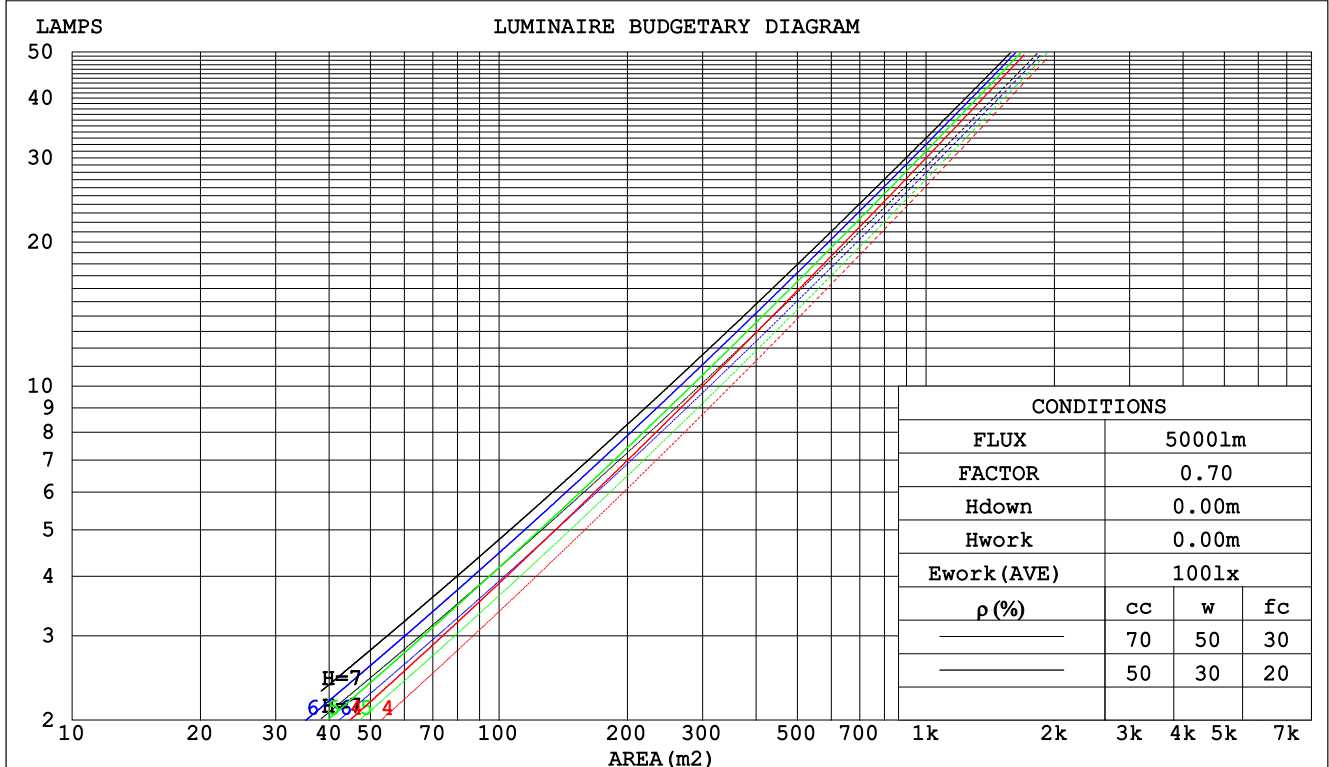
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-19

$\gamma$  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:0.7783A P:18.68W PF:1.000 Lamp Flux:1273.17x1 lm		
NAME: SFW20-24V-3535-24-CC-3000K-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	1.08	1.05	1.02	1.06	1.03	1.00	1.01	.99	.97	.97	.95	.93	.93	.91	.90	.88
2.0	.99	.94	.90	.97	.92	.89	.93	.89	.86	.90	.87	.84	.86	.84	.82	.80
3.0	.91	.85	.81	.89	.84	.80	.86	.82	.78	.83	.80	.76	.81	.78	.75	.73
4.0	.84	.78	.73	.83	.77	.73	.80	.75	.71	.78	.74	.70	.76	.72	.69	.67
5.0	.79	.72	.67	.77	.71	.67	.75	.70	.66	.73	.69	.65	.71	.67	.64	.62
6.0	.74	.67	.62	.73	.66	.62	.71	.65	.61	.69	.64	.61	.67	.63	.60	.58
7.0	.69	.63	.58	.68	.62	.58	.67	.61	.57	.65	.61	.57	.64	.60	.56	.55
8.0	.65	.59	.55	.65	.59	.55	.63	.58	.54	.62	.57	.54	.61	.57	.53	.52
9.0	.62	.56	.52	.61	.56	.51	.60	.55	.51	.59	.54	.51	.58	.54	.50	.49
10.0	.59	.53	.49	.59	.53	.49	.57	.52	.49	.56	.52	.48	.56	.51	.48	.47



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-19

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:0.7783A P:18.68W PF:1.000 Lamp Flux:1273.17x1 lm					
NAME: SFW20-24V-3535-24-CC-3000K-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	.217	.123	.039	.209	.119	.038	.195	.112	.036	.182	.105	.034	.169	.098	.032		
2.0	.204	.112	.034	.198	.109	.034	.185	.103	.032	.174	.098	.031	.163	.092	.029		
3.0	.191	.102	.030	.185	.099	.030	.174	.094	.029	.164	.090	.028	.155	.086	.027		
4.0	.178	.092	.027	.173	.091	.027	.163	.087	.026	.155	.083	.025	.146	.080	.024		
5.0	.166	.085	.025	.162	.083	.024	.154	.080	.024	.146	.077	.023	.138	.074	.022		
6.0	.156	.078	.022	.152	.077	.022	.145	.074	.022	.138	.072	.021	.131	.069	.021		
7.0	.147	.073	.021	.143	.071	.020	.137	.069	.020	.130	.067	.019	.125	.065	.019		
8.0	.138	.068	.019	.135	.067	.019	.129	.065	.018	.124	.063	.018	.118	.061	.018		
9.0	.131	.063	.018	.128	.062	.018	.123	.061	.017	.118	.059	.017	.113	.057	.017		
10.0	.124	.060	.017	.122	.059	.016	.117	.057	.016	.112	.056	.016	.108	.054	.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	.213	.213	.213	.182	.182	.182	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.197	.180	.164	.168	.154	.142	.115	.106	.098	.066	.061	.057	.021	.020	.018	
2.0	.183	.155	.131	.157	.134	.114	.108	.092	.079	.062	.054	.046	.020	.017	.015	
3.0	.172	.137	.108	.148	.118	.094	.101	.082	.066	.059	.048	.039	.019	.016	.013	
4.0	.162	.122	.092	.139	.106	.080	.096	.074	.056	.055	.043	.033	.018	.014	.011	
5.0	.154	.111	.080	.132	.096	.069	.091	.067	.049	.053	.039	.029	.017	.013	.010	
6.0	.146	.102	.071	.125	.088	.062	.087	.062	.044	.050	.036	.026	.016	.012	.009	
7.0	.139	.095	.064	.120	.082	.055	.083	.058	.039	.048	.034	.023	.016	.011	.008	
8.0	.133	.089	.058	.114	.077	.051	.079	.054	.036	.046	.032	.021	.015	.010	.007	
9.0	.127	.083	.054	.110	.072	.047	.076	.051	.033	.044	.030	.020	.014	.010	.007	
10.0	.122	.079	.050	.105	.068	.044	.073	.048	.031	.043	.028	.019	.014	.009	.006	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LYH  
 Test Date:2024-07-19

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:0.7783A P:18.68W PF:1.000 Lamp Flux:1273.17x1 lm										
NAME: SFW20-24V-3535-24-CC-3000K-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	20.5	21.5	20.8	21.8	22.0	20.5	21.6	20.8	21.8	22.0
3H	21.5	22.5	21.8	22.8	23.0	21.7	22.7	22.0	22.9	23.2
4H	21.9	22.8	22.2	23.1	23.4	22.2	23.1	22.5	23.4	23.7
6H	22.1	23.0	22.5	23.3	23.6	22.6	23.5	22.9	23.8	24.1
8H	22.2	23.0	22.6	23.4	23.7	22.7	23.6	23.1	23.9	24.2
12H	22.2	23.0	22.6	23.4	23.7	22.9	23.7	23.3	24.0	24.3
4H 2H	21.0	22.0	21.4	22.2	22.5	21.1	22.0	21.4	22.3	22.5
3H	22.2	23.0	22.6	23.4	23.7	22.4	23.2	22.8	23.5	23.9
4H	22.7	23.4	23.1	23.8	24.2	23.0	23.7	23.4	24.1	24.5
6H	23.0	23.7	23.5	24.1	24.5	23.5	24.2	24.0	24.6	25.0
8H	23.2	23.8	23.6	24.2	24.6	23.7	24.3	24.2	24.7	25.2
12H	23.2	23.8	23.7	24.2	24.6	23.9	24.5	24.4	24.9	25.4
8H 4H	22.9	23.5	23.3	23.9	24.3	23.2	23.8	23.6	24.2	24.6
6H	23.4	23.9	23.8	24.3	24.8	23.8	24.3	24.3	24.8	25.3
8H	23.5	24.0	24.0	24.5	25.0	24.1	24.6	24.6	25.0	25.5
12H	23.7	24.0	24.2	24.5	25.1	24.4	24.8	24.9	25.3	25.8
12H 4H	22.9	23.4	23.4	23.9	24.3	23.2	23.7	23.6	24.2	24.6
6H	23.4	23.8	23.9	24.3	24.8	23.9	24.3	24.4	24.8	25.3
8H	23.6	24.0	24.1	24.5	25.0	24.2	24.6	24.7	25.1	25.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.5					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 1273 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.8)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LYH  
 Test Date: 2024-07-19

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:

## UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.7783A P:18.68W PF:1.000 Lamp Flux:1273.17x1 lm		
NAME: SFW20-24V-3535-24-CC-3000K-80-25	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

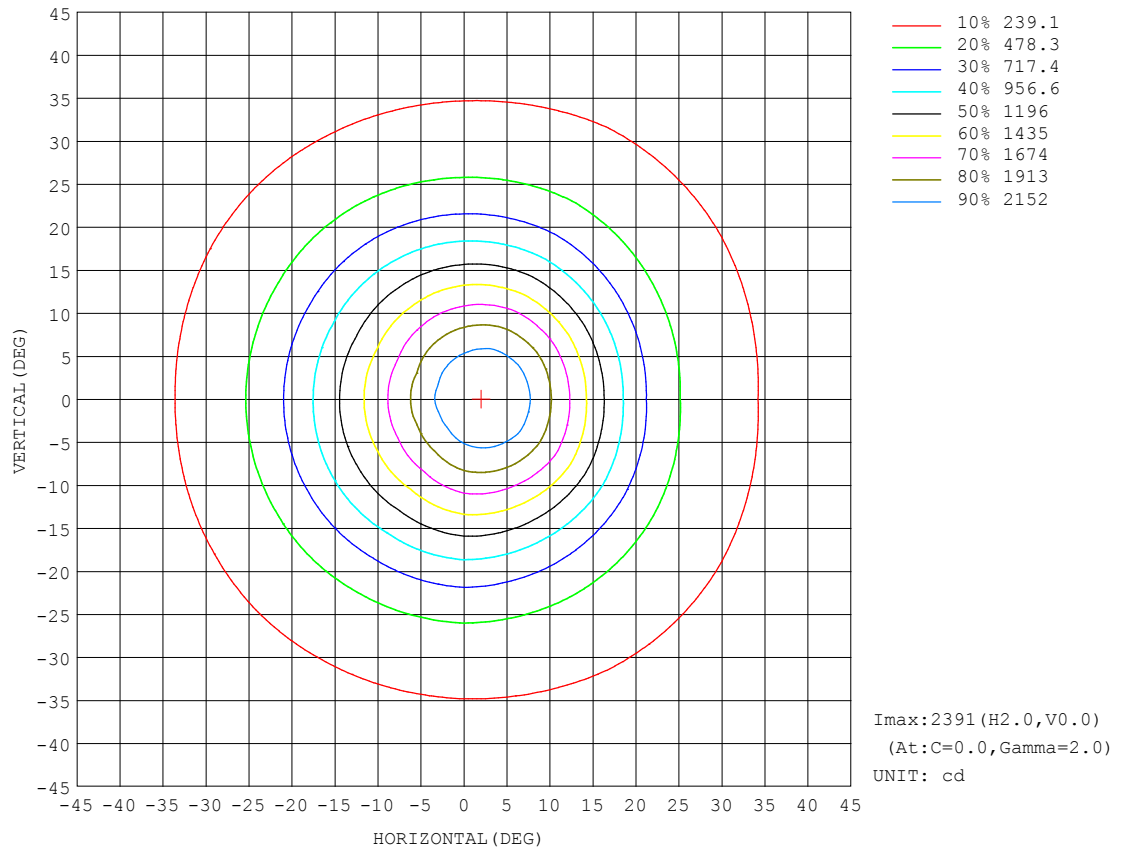
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	75	66	61	74	66	61	73	65	61	56
0.80	83	75	70	82	74	70	80	74	69	64
1.00	89	81	76	88	81	76	86	81	75	70
1.25	94	87	82	93	86	81	90	85	80	75
1.50	98	91	86	96	90	86	93	88	84	78
2.00	102	96	92	100	95	91	97	93	89	82
2.50	105	99	95	103	98	94	99	95	92	84
3.00	107	102	98	105	101	97	101	97	95	87
4.00	110	106	103	108	104	101	103	100	98	89
5.00	112	108	106	109	106	104	105	102	100	91
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: 2024-07-19

$\gamma$  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:0.7783A P:18.68W PF:1.000 Lamp Flux:1273.17x1 lm		
NAME: SFW20-24V-3535-24-CC-3000K-80-25	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

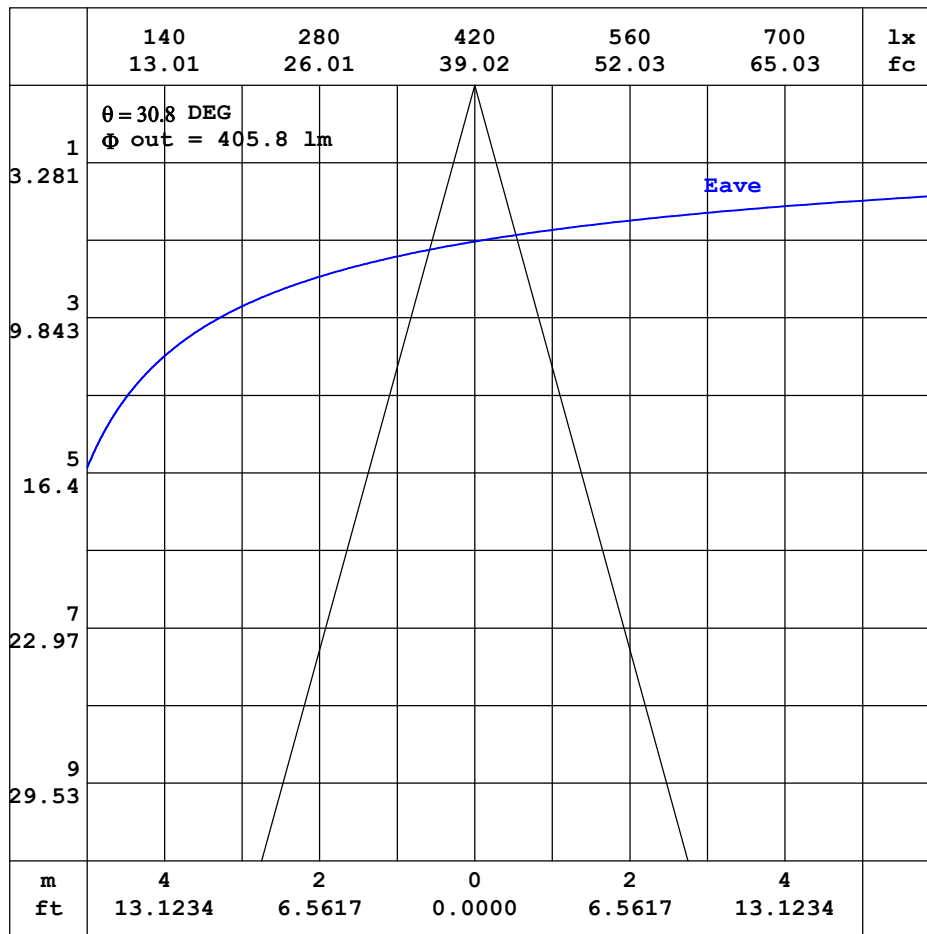


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-19

$\gamma$  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:0.7783A P:18.68W PF:1.000 Lamp Flux:1273.17x1 lm		
NAME: SFW20-24V-3535-24-CC-3000K-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.

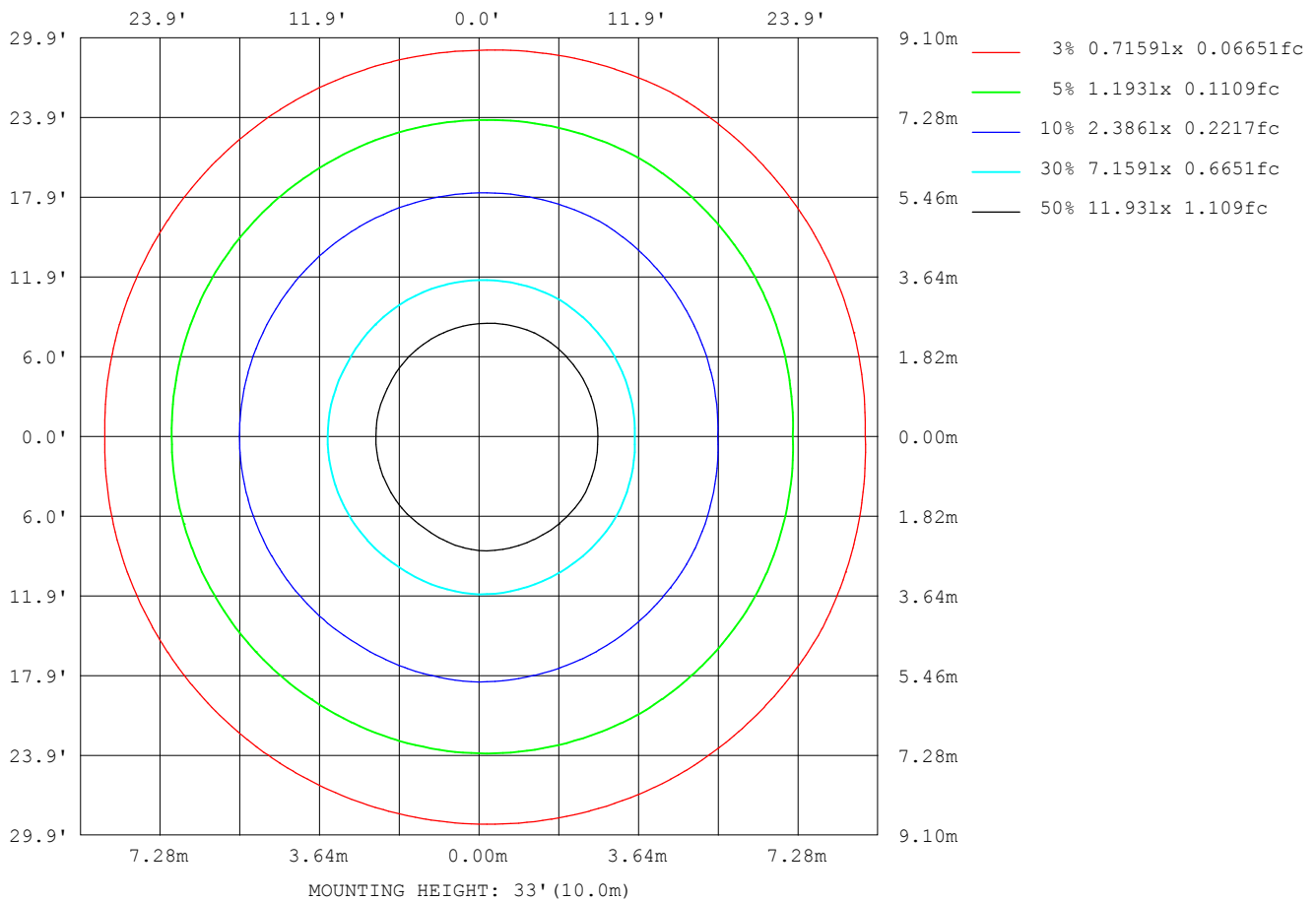
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-19

$\gamma$  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

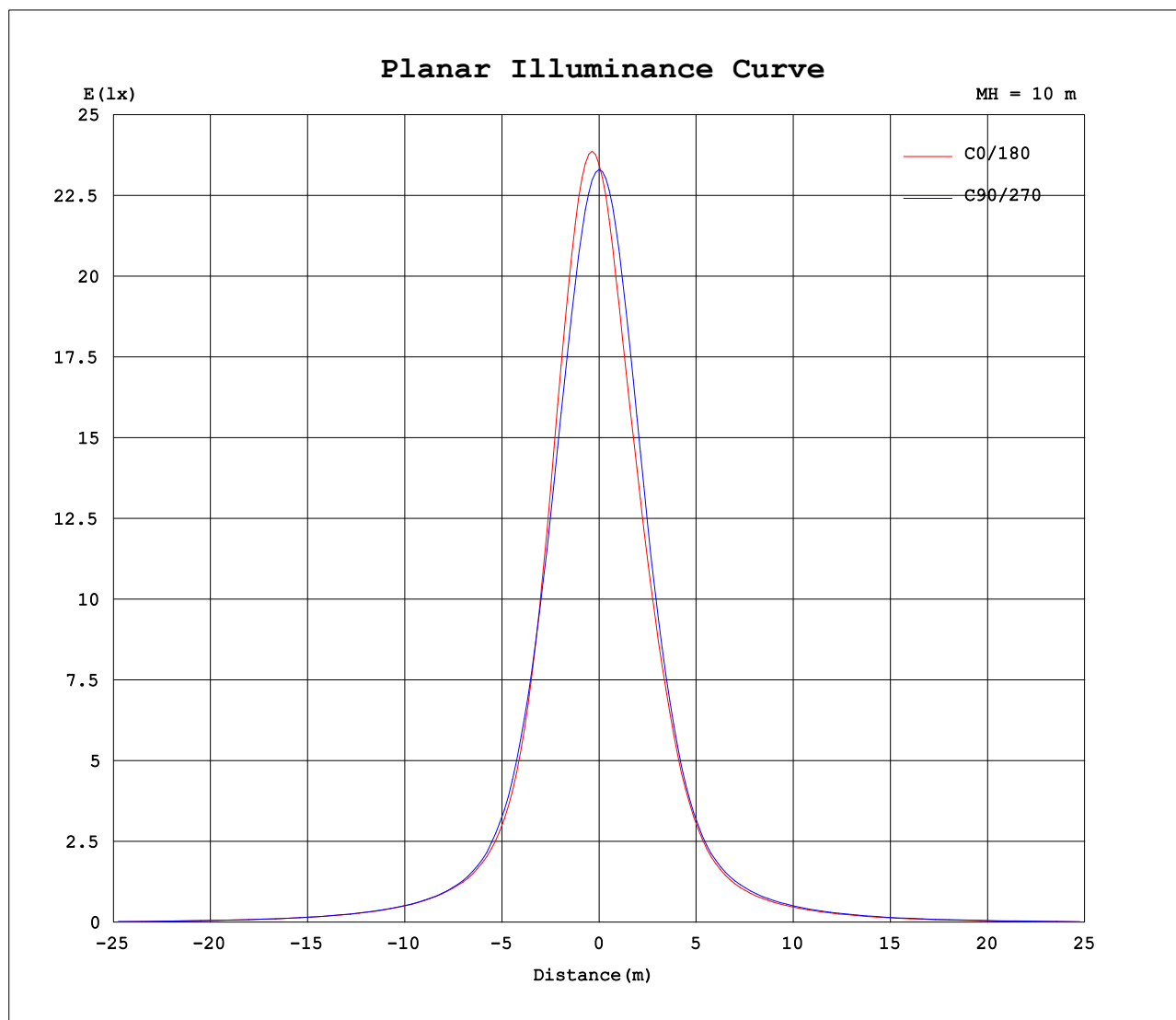
Test:U:24.00V I:0.7783A P:18.68W PF:1.000 Lamp Flux:1273.17x1 lm		
NAME: SFW20-24V-3535-24-CC-3000K-80-25	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-19

$\gamma$  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: 2024-07-19

$\gamma$  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:0.7783A P:18.68W PF:1.000 Lamp Flux:1273.17x1 lm		
NAME: SFW20-24V-3535-24-CC-3000K-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	2348	2337	2335	2330	2327	2330	2348	2337	2335	2330	2327	2330							
5	2332	2307	2243	2164	2071	2017	2018	2029	2099	2174	2258	2305							
10	1932	1927	1848	1759	1636	1578	1575	1577	1658	1757	1863	1924							
15	1345	1374	1321	1280	1192	1161	1153	1150	1197	1256	1327	1345							
20	816	855	848	846	801	786	783	775	804	826	850	835							
25	485	511	523	525	500	493	495	491	505	515	529	503							
30	316	330	338	335	320	313	314	317	321	330	340	328							
35	229	238	242	236	227	220	217	223	227	234	243	238							
40	180	187	188	182	176	170	167	171	176	180	189	186							
45	146	155	154	148	145	140	135	140	144	146	155	153							
50	121	132	130	122	122	118	110	116	121	120	130	130							
55	101	111	110	101	103	99.3	90.1	97.4	101	97.9	110	109							
60	80.3	89.4	89.3	81.7	84.8	80.8	72.1	78.3	82.6	78.7	89.7	87.4							
65	62.1	68.2	68.9	64.2	66.2	62.3	54.7	59.5	63.9	61.6	69.0	66.6							
70	43.2	47.3	49.8	49.1	48.3	45.3	38.7	41.5	46.1	45.8	49.6	45.4							
75	28.3	31.1	34.1	34.9	33.1	30.6	24.6	26.5	30.7	31.5	32.8	28.0							
80	16.9	18.5	21.4	22.3	20.8	18.1	13.1	14.2	17.7	18.9	18.8	15.2							
85	6.55	7.84	10.9	12.5	10.5	7.67	3.04	3.70	7.33	8.65	7.94	4.43							
90	4.79	4.77	4.96	5.10	5.02	4.82	1.58	1.65	1.82	1.94	1.76	1.57							
95	4.75	4.77	4.94	5.13	5.01	4.81	1.90	1.92	2.11	2.16	2.03	1.80							
100	4.72	4.78	4.94	5.15	5.01	4.82	2.24	2.26	2.47	2.52	2.37	2.13							
105	4.72	4.81	4.94	5.19	5.01	4.85	2.64	2.67	2.88	2.90	2.77	2.54							
110	4.75	4.92	5.05	5.28	5.09	4.95	3.13	3.18	3.37	3.34	3.24	3.02							
115	4.95	5.11	5.25	5.49	5.32	5.16	3.74	3.81	3.98	3.93	3.82	3.60							
120	5.28	5.43	5.61	5.86	5.71	5.54	4.53	4.57	4.72	4.64	4.51	4.30							
125	5.79	5.93	6.14	6.40	6.29	6.12	5.44	5.44	5.54	5.45	5.31	5.12							
130	6.49	6.63	6.84	7.11	7.03	6.90	6.39	6.38	6.42	6.31	6.20	6.02							
135	7.40	7.50	7.68	7.94	7.90	7.82	7.28	7.25	7.27	7.15	7.08	6.95							
140	8.41	8.46	8.58	8.78	8.81	8.78	8.05	8.02	8.03	7.90	7.87	7.77							
145	9.44	9.45	9.47	9.62	9.70	9.75	8.68	8.65	8.67	8.52	8.51	8.44							
150	10.4	10.3	10.2	10.3	10.5	10.6	9.20	9.18	9.20	9.01	9.00	8.94							
155	11.1	11.0	10.8	10.9	11.0	11.3	9.62	9.60	9.59	9.36	9.34	9.29							
160	11.5	11.4	11.1	11.2	11.3	11.6	9.91	9.91	9.89	9.63	9.55	9.52							
165	11.6	11.4	11.2	11.2	11.4	11.6	10.1	10.1	10.1	9.85	9.72	9.65							
170	11.5	11.2	11.2	11.2	11.4	11.3	10.2	10.2	10.4	10.2	9.97	9.80							
175	11.2	11.0	11.1	11.2	11.2	11.0	10.4	10.4	10.7	10.6	10.4	10.1							
180	10.9	10.9	11.1	11.1	11.0	10.7	10.8	10.8	11.0	11.0	10.9	10.6							

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-19

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	2348	2337	2335	2330	2327	2330	2348	2337	2335	2330
3.0	2388	2367	2321	2268	2205	2176	2185	2183	2227	2276
6.0	2278	2256	2184	2097	1991	1933	1932	1938	2021	2105
9.0	2034	2030	1942	1851	1725	1664	1659	1669	1754	1853
12.0	1711	1724	1635	1571	1450	1409	1401	1405	1468	1557
15.0	1345	1374	1321	1280	1192	1161	1153	1150	1197	1256
18.0	1009	1043	1016	1014	946.6	932.6	922.8	919.1	951.2	987.7
21.0	732.9	768.2	772.0	776.4	730.2	715.2	715.8	713.0	736.6	753.3
24.0	535.7	564.8	574.4	582.5	552.5	545.6	542.7	539.0	555.6	565.0
27.0	402.0	424.5	433.8	439.1	413.8	409.0	409.7	409.5	418.1	427.2
30.0	315.8	330.0	337.6	335.3	319.6	312.6	313.6	316.6	321.0	329.8
33.0	256.4	269.6	273.3	269.2	257.3	250.9	248.9	253.3	257.3	264.9
36.0	217.7	226.7	229.1	222.6	214.2	208.0	204.9	210.6	214.1	221.5
39.0	187.9	195.8	197.2	191.2	183.6	178.4	174.6	179.0	184.0	189.8
42.0	165.2	173.2	172.7	166.9	162.2	157.0	152.4	156.6	161.6	164.8
45.0	146.1	154.9	154.5	147.6	145.0	140.2	134.6	139.5	144.1	145.9
48.0	130.4	140.4	139.2	131.6	130.6	126.0	119.2	125.0	129.5	129.6
51.0	116.2	127.6	125.9	117.2	118.4	114.1	105.8	112.5	116.6	115.1
54.0	104.7	115.0	113.6	104.8	106.7	102.7	93.83	101.1	104.9	102.1
57.0	92.27	102.3	101.4	92.61	95.74	92.14	82.87	89.92	93.73	90.01
60.0	80.34	89.42	89.35	81.75	84.84	80.81	72.08	78.27	82.58	78.71
63.0	69.11	76.49	77.06	71.31	73.33	69.96	61.48	67.03	71.31	68.31
66.0	58.30	63.76	64.97	61.26	62.33	58.66	51.41	55.80	60.20	58.37
69.0	46.70	51.13	53.50	52.24	51.81	48.71	41.71	44.97	49.43	48.88
72.0	36.85	40.07	43.18	42.70	41.81	38.63	32.81	35.15	39.61	39.95
75.0	28.32	31.11	34.12	34.87	33.13	30.57	24.58	26.49	30.72	31.53
78.0	21.01	23.17	26.19	27.26	25.50	22.94	17.37	18.73	22.56	23.66
81.0	14.86	16.33	19.19	20.02	18.69	15.70	11.09	12.11	15.53	16.66
84.0	8.465	10.08	12.94	14.33	12.52	9.779	4.980	5.674	9.363	10.50
87.0	5.339	5.321	6.563	8.940	6.152	5.284	1.905	1.996	3.268	5.312
90.0	4.790	4.771	4.956	5.102	5.017	4.820	1.583	1.650	1.816	1.943
93.0	4.765	4.771	4.942	5.114	5.010	4.814	1.767	1.784	1.993	2.029
96.0	4.740	4.771	4.942	5.133	5.010	4.814	1.969	1.968	2.178	2.231
99.0	4.722	4.771	4.942	5.151	5.010	4.814	2.159	2.182	2.386	2.446
102.0	4.716	4.783	4.942	5.169	5.010	4.820	2.392	2.409	2.619	2.667
105.0	4.716	4.808	4.942	5.194	5.010	4.851	2.644	2.673	2.883	2.900
108.0	4.722	4.869	5.010	5.243	5.041	4.906	2.932	2.955	3.165	3.139
111.0	4.789	4.949	5.077	5.311	5.132	4.986	3.245	3.298	3.490	3.445
114.0	4.917	5.065	5.230	5.440	5.261	5.108	3.613	3.666	3.852	3.789
117.0	5.065	5.219	5.377	5.611	5.451	5.293	4.043	4.107	4.264	4.205
120.0	5.279	5.428	5.610	5.863	5.714	5.538	4.527	4.573	4.717	4.640
123.0	5.567	5.710	5.910	6.151	6.033	5.863	5.061	5.088	5.196	5.125
126.0	5.916	6.060	6.266	6.532	6.419	6.268	5.619	5.634	5.711	5.628
129.0	6.339	6.471	6.688	6.949	6.866	6.722	6.202	6.192	6.238	6.149
132.0	6.841	6.961	7.179	7.421	7.369	7.256	6.759	6.738	6.765	6.664
135.0	7.399	7.501	7.681	7.936	7.902	7.820	7.281	7.247	7.268	7.155
138.0	8.012	8.078	8.221	8.439	8.442	8.390	7.759	7.725	7.740	7.621
141.0	8.625	8.673	8.760	8.955	8.993	8.986	8.188	8.160	8.182	8.044
144.0	9.245	9.267	9.300	9.469	9.527	9.573	8.562	8.535	8.549	8.406
147.0	9.834	9.831	9.791	9.929	10.02	10.13	8.905	8.878	8.893	8.731
150.0	10.36	10.34	10.23	10.35	10.45	10.62	9.199	9.179	9.199	9.007
153.0	10.80	10.78	10.59	10.69	10.82	11.04	9.463	9.436	9.450	9.228
156.0	11.17	11.11	10.87	10.95	11.11	11.36	9.683	9.664	9.659	9.424
159.0	11.40	11.34	11.04	11.14	11.28	11.57	9.867	9.835	9.836	9.572
162.0	11.53	11.41	11.13	11.23	11.38	11.61	9.996	9.983	9.983	9.713
165.0	11.56	11.37	11.15	11.23	11.42	11.56	10.09	10.09	10.11	9.854
168.0	11.56	11.31	11.15	11.23	11.42	11.43	10.17	10.18	10.25	10.03
171.0	11.44	11.18	11.16	11.22	11.34	11.25	10.24	10.26	10.41	10.23
174.0	11.24	11.04	11.12	11.20	11.23	11.04	10.35	10.37	10.60	10.49
177.0	11.07	10.92	11.10	11.14	11.11	10.83	10.58	10.55	10.84	10.76
180.0	10.90	10.85	11.06	11.08	10.95	10.70	10.84	10.82	11.03	11.04
G/C	300.0	330.0								
0.0	2327	2330								
3.0	2329	2363								
6.0	2202	2253								
9.0	1962	2024								
12.0	1654	1702								
15.0	1327	1345								
18.0	1023	1024								
21.0	772.6	752.5								
24.0	580.5	552.9								
27.0	438.6	419.0								
30.0	340.2	327.9								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LYH  
 Test Date: 2024-07-19

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:

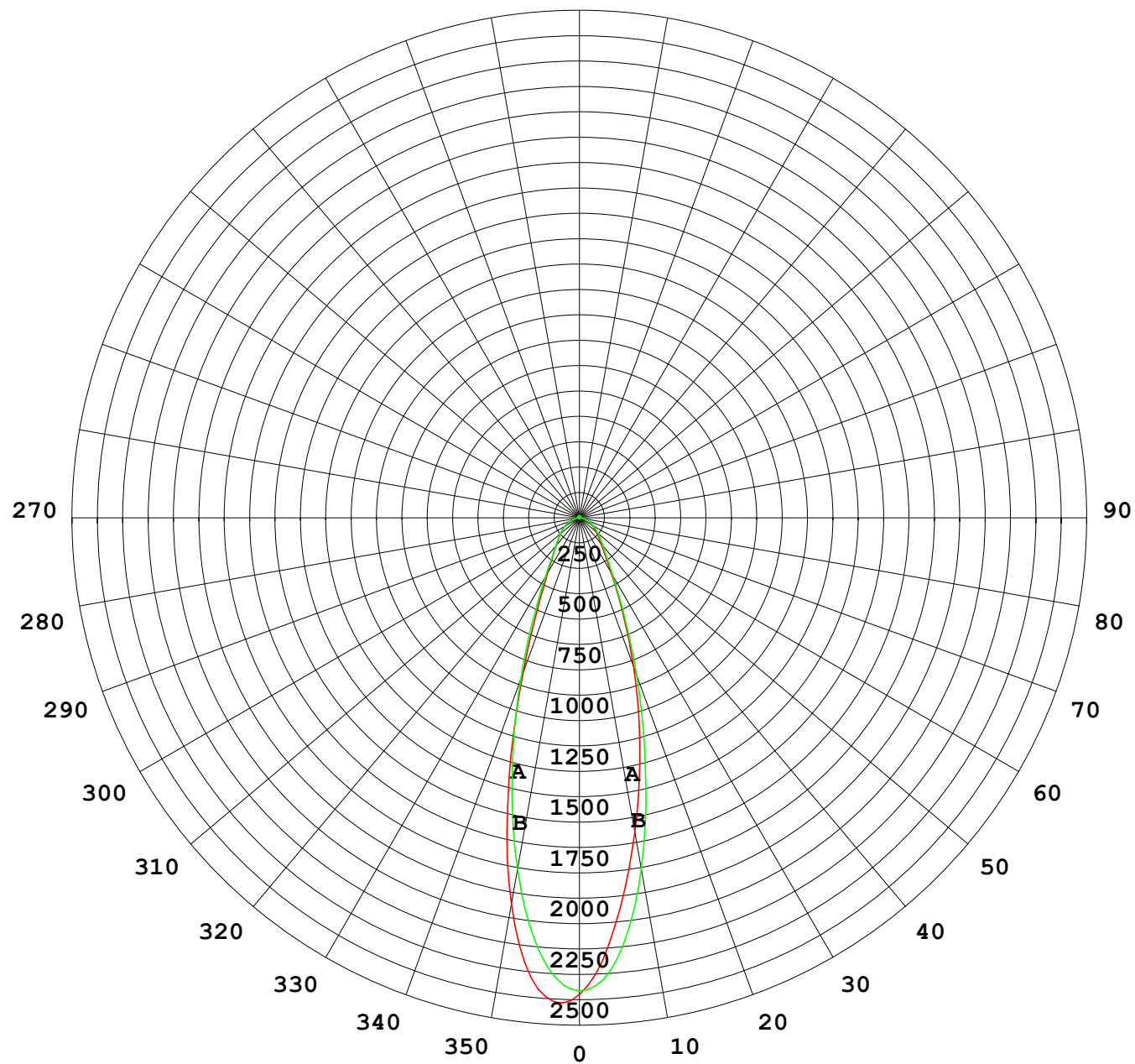
### Photometric Data Table [cd]

33.0	274.8	266.9
36.0	229.9	225.9
39.0	197.8	195.0
42.0	173.9	170.9
45.0	155.2	153.3
48.0	139.7	138.6
51.0	126.0	126.0
54.0	113.5	113.6
57.0	101.7	100.8
60.0	89.67	87.45
63.0	77.16	74.92
66.0	64.91	62.39
69.0	53.22	49.57
72.0	42.44	37.71
75.0	32.76	27.97
78.0	23.96	19.80
81.0	16.46	13.00
84.0	10.00	6.514
87.0	3.834	2.012
90.0	1.760	1.570
93.0	1.914	1.680
96.0	2.092	1.870
99.0	2.300	2.072
102.0	2.527	2.287
105.0	2.773	2.538
108.0	3.049	2.808
111.0	3.349	3.126
114.0	3.693	3.464
117.0	4.086	3.874
120.0	4.509	4.303
123.0	4.975	4.782
126.0	5.478	5.291
129.0	6.018	5.842
132.0	6.563	6.400
135.0	7.078	6.946
138.0	7.563	7.461
141.0	8.010	7.927
144.0	8.384	8.308
147.0	8.721	8.651
150.0	9.003	8.940
153.0	9.223	9.161
156.0	9.389	9.345
159.0	9.517	9.468
162.0	9.609	9.572
165.0	9.720	9.652
168.0	9.849	9.744
171.0	10.03	9.848
174.0	10.27	10.03
177.0	10.60	10.31
180.0	10.95	10.63

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-19

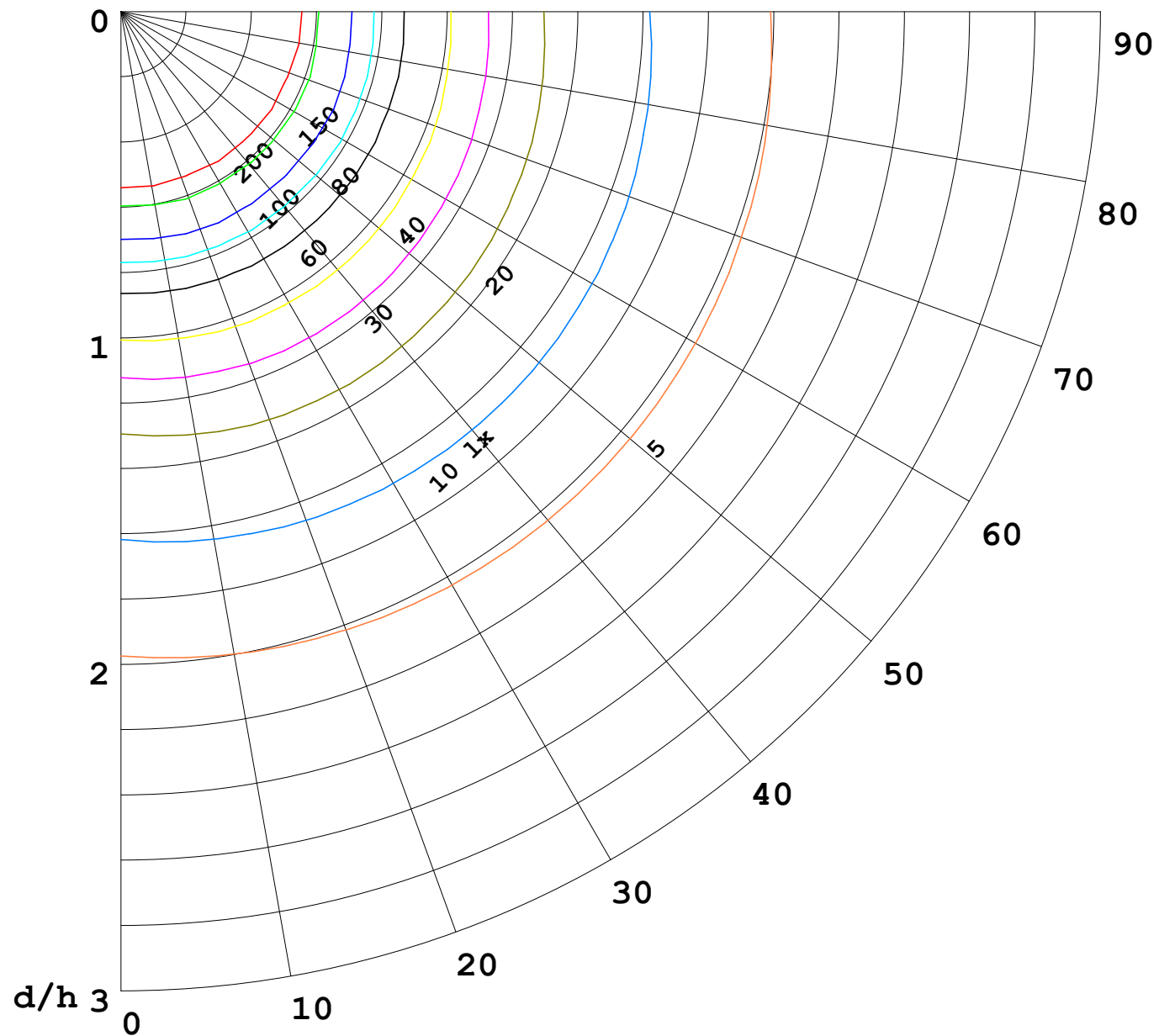
√ Range: 0 - 180DEG  
√ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

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

