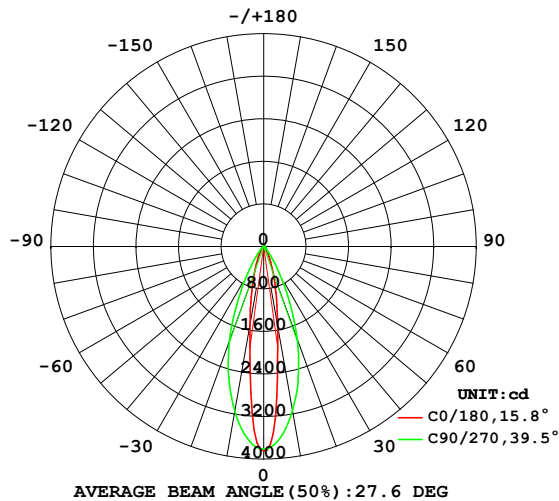


## LUMINAIRE PHOTOMETRIC TEST REPORT

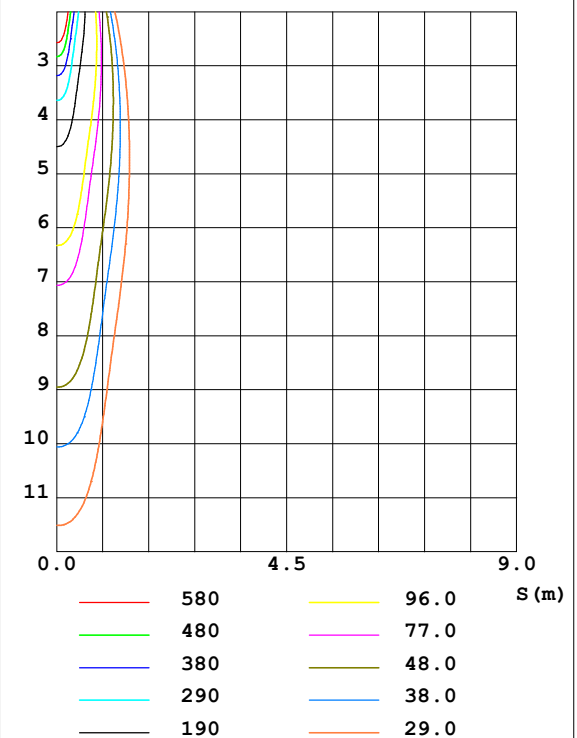
Test:U:24.00V I:1.615A P:38.76W PF:1.000 Lamp Flux:1095.33x1 lm		
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 28.26 lm/W			
MODEL		I <sub>max</sub> (cd)	3844	S/MH (C0/180)	0.27
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.63
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1095.3	η UP, DN (C0-180)	1.7, 48.4
NOMINAL FLUX (lm)	1095.33	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.3, 48.5
LAMPS INSIDE	1	η up (%)	3.1	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)		η down (%)	96.9	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



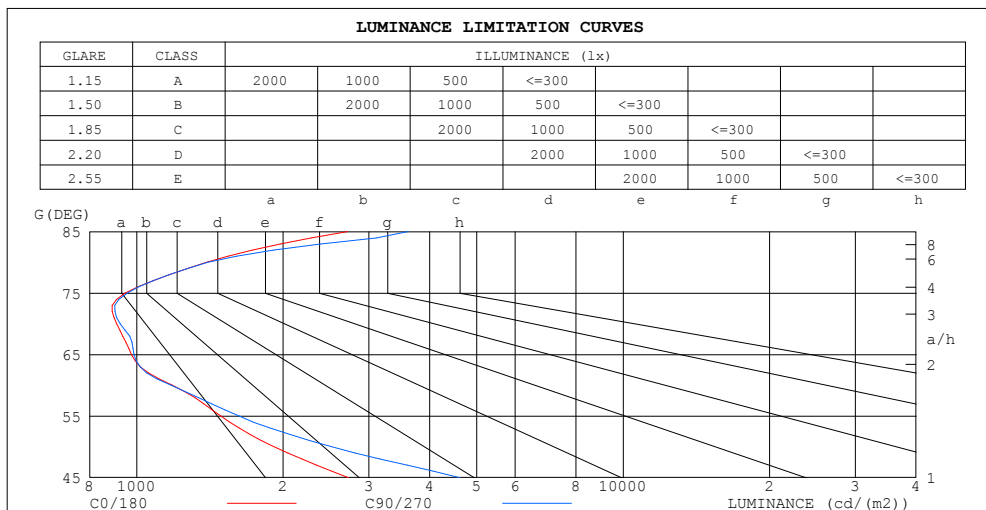
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-29

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: All

### 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	1538	1953	3129	1815	1509	1843	3148	2053	0- 10	269.6	269.6	24.6, 24.6
20	515.7	664.6	1854	640.8	503.4	642.2	1889	719.6	10- 20	385.7	655.3	59.8, 59.8
30	169.7	218.9	624.9	213.6	164.2	210.1	668.1	237.6	20- 30	237.6	892.9	81.5, 81.5
40	62.11	75.49	140.3	72.27	60.29	72.85	150.9	81.04	30- 40	101.6	994.6	90.8, 90.8
50	24.60	27.75	32.33	26.46	22.26	25.65	33.29	28.37	40- 50	38.70	1033	94.3, 94.3
60	11.83	11.20	11.76	10.36	8.239	8.022	9.587	9.087	50- 60	15.45	1049	95.7, 95.7
70	6.222	6.010	6.325	6.040	2.012	1.796	2.847	2.211	60- 70	6.348	1055	96.3, 96.3
80	4.831	4.864	4.863	5.050	0.6080	0.6865	0.8671	0.6745	70- 80	3.262	1058	96.6, 96.6
90	4.467	4.406	4.581	4.623	0.9035	1.042	1.192	1.018	80- 90	3.064	1061	96.9, 96.9
100	3.967	4.171	4.310	4.148	1.481	1.632	1.837	1.596	90-100	3.042	1064	97.2, 97.2
110	3.834	4.077	4.268	3.975	2.186	2.517	2.854	2.463	100-110	3.207	1068	97.5, 97.5
120	3.900	4.459	4.959	4.459	3.373	4.023	4.330	3.902	110-120	3.622	1071	97.8, 97.8
130	5.204	5.921	6.384	6.107	5.951	6.016	6.058	5.859	120-130	4.463	1076	98.2, 98.2
140	8.207	8.147	8.184	8.400	8.182	7.863	7.646	7.749	130-140	5.409	1081	98.7, 98.7
150	10.68	10.32	9.696	10.53	9.084	9.156	8.680	8.952	140-150	5.568	1087	99.2, 99.2
160	12.25	11.32	10.44	11.61	9.667	9.908	9.168	9.237	150-160	4.678	1091	99.6, 99.6
170	11.59	10.76	10.61	11.40	9.772	10.20	9.686	9.083	160-170	2.966	1094	99.9, 99.9
180	9.643	10.31	10.54	10.11	9.589	10.27	10.55	10.12	170-180	0.9763	1095	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2714	3617
80	1391	1400
75	947	957
70	910	925
65	975	986
60	1183	1176
55	1488	1623
50	1913	2515
45	2724	4614

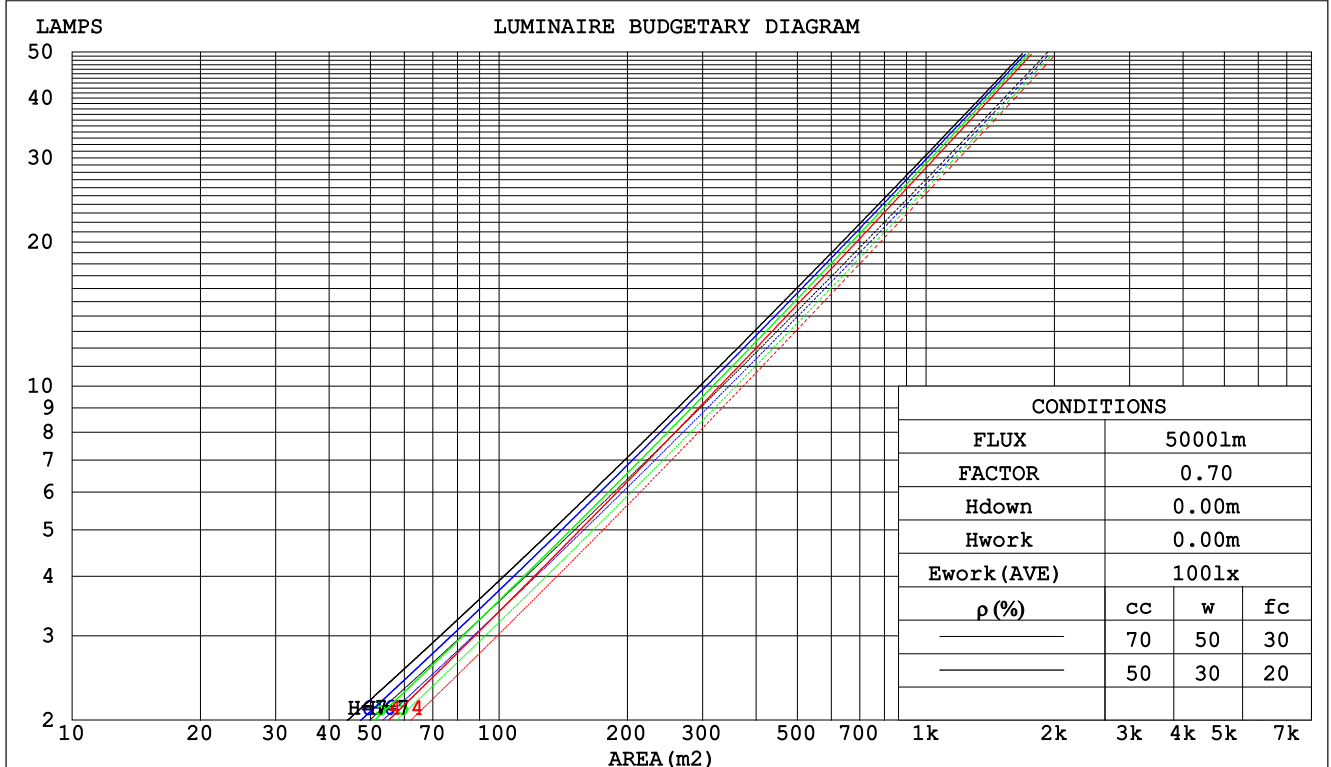
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-29

$\gamma$  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: All

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:1.615A P:38.76W PF:1.000 Lamp Flux:1095.33x1 lm		
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	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	1.11	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	.90	.98	.97	.96	.95	.94	.92
2.0	1.04	1.01	.98	1.02	.99	.96	.99	.96	.94	.95	.93	.91	.92	.90	.89	.87
3.0	.98	.94	.91	.97	.93	.90	.94	.91	.88	.91	.88	.86	.88	.86	.84	.83
4.0	.93	.88	.85	.92	.88	.84	.89	.86	.83	.87	.84	.82	.85	.82	.80	.79
5.0	.89	.84	.80	.88	.83	.79	.86	.82	.79	.84	.80	.78	.82	.79	.77	.75
6.0	.85	.79	.76	.84	.79	.75	.82	.78	.75	.80	.77	.74	.79	.76	.73	.72
7.0	.81	.76	.72	.80	.75	.72	.79	.74	.71	.77	.74	.71	.76	.73	.70	.69
8.0	.77	.72	.69	.77	.72	.69	.76	.71	.68	.74	.71	.68	.73	.70	.67	.66
9.0	.74	.69	.66	.74	.69	.66	.73	.68	.66	.72	.68	.65	.71	.67	.65	.64
10.0	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.63	.68	.65	.62	.61



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-29

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: All

## WEC AND CCEC

Test:U:24.00V I:1.615A P:38.76W PF:1.000 Lamp Flux:1095.33x1 lm		
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000	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	.163	.093	.029	.156	.089	.028	.141	.081	.026	.128	.074	.024	.116	.067	.022	
2.0	.153	.084	.026	.146	.081	.025	.134	.075	.023	.123	.069	.022	.113	.064	.020	
3.0	.143	.076	.023	.138	.074	.022	.127	.069	.021	.118	.065	.020	.109	.060	.019	
4.0	.135	.070	.021	.130	.068	.020	.121	.064	.019	.113	.061	.018	.105	.057	.017	
5.0	.127	.065	.019	.123	.063	.018	.115	.060	.018	.108	.057	.017	.101	.054	.016	
6.0	.121	.061	.017	.117	.059	.017	.110	.056	.016	.104	.054	.016	.098	.051	.015	
7.0	.115	.057	.016	.112	.056	.016	.105	.053	.015	.100	.051	.015	.094	.049	.014	
8.0	.109	.053	.015	.106	.052	.015	.101	.050	.014	.096	.049	.014	.091	.047	.014	
9.0	.104	.050	.014	.102	.050	.014	.097	.048	.014	.092	.046	.013	.088	.045	.013	
10.0	.100	.048	.013	.098	.047	.013	.093	.046	.013	.089	.044	.013	.085	.043	.012	

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	.194	.181	.170	.166	.156	.146	.114	.107	.101	.065	.062	.059	.021	.020	.019		
2.0	.178	.157	.139	.152	.135	.120	.104	.093	.084	.060	.054	.049	.019	.018	.016		
3.0	.164	.138	.116	.141	.119	.101	.097	.082	.071	.056	.048	.042	.018	.016	.014		
4.0	.153	.123	.100	.131	.106	.086	.090	.074	.061	.052	.043	.036	.017	.014	.012		
5.0	.143	.111	.087	.123	.096	.075	.085	.067	.053	.049	.039	.032	.016	.013	.010		
6.0	.135	.101	.077	.116	.088	.067	.080	.061	.047	.046	.036	.028	.015	.012	.009		
7.0	.128	.093	.069	.110	.081	.060	.076	.057	.043	.044	.033	.025	.014	.011	.008		
8.0	.122	.087	.063	.105	.075	.055	.073	.053	.039	.042	.031	.023	.014	.010	.008		
9.0	.117	.082	.058	.100	.071	.051	.070	.050	.036	.041	.029	.021	.013	.010	.007		
10.0	.112	.077	.054	.096	.067	.047	.067	.047	.033	.039	.028	.020	.013	.009	.007		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LYH  
 Test Date:2024-07-29

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: All

## Uncorrected UGR Table

Test:U:24.00V I:1.615A P:38.76W PF:1.000 Lamp Flux:1095.33x1 lm											
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000						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		8.4	9.2	8.7	9.4	9.6	11.8	12.6	12.1	12.8	13.0
	3H	8.7	9.4	9.0	9.7	9.9	11.8	12.6	12.1	12.8	13.1
	4H	8.9	9.6	9.2	9.8	10.1	11.9	12.6	12.2	12.8	13.1
	6H	9.3	9.9	9.6	10.2	10.5	12.0	12.6	12.3	12.9	13.2
	8H	9.6	10.2	10.0	10.5	10.8	12.1	12.8	12.5	13.1	13.4
	12H	10.1	10.7	10.5	11.0	11.3	12.6	13.2	12.9	13.5	13.8
4H	2H	8.4	9.1	8.7	9.4	9.6	11.7	12.4	12.0	12.6	12.9
	3H	8.8	9.4	9.2	9.8	10.1	11.7	12.3	12.1	12.7	13.0
	4H	9.2	9.7	9.6	10.1	10.4	11.8	12.4	12.2	12.7	13.1
	6H	9.8	10.3	10.2	10.6	11.1	12.1	12.5	12.5	12.9	13.3
	8H	10.3	10.7	10.7	11.1	11.5	12.3	12.8	12.8	13.2	13.6
	12H	11.0	11.4	11.4	11.8	12.3	13.0	13.4	13.4	13.8	14.3
8H	4H	9.3	9.7	9.7	10.1	10.6	11.8	12.2	12.2	12.6	13.1
	6H	10.2	10.5	10.6	11.0	11.4	12.2	12.5	12.7	13.0	13.5
	8H	10.8	11.2	11.3	11.6	12.1	12.6	12.9	13.1	13.4	13.9
	12H	11.8	12.1	12.3	12.6	13.1	13.4	13.7	14.0	14.2	14.7
12H	4H	9.3	9.7	9.8	10.1	10.6	11.8	12.2	12.2	12.6	13.1
	6H	10.3	10.6	10.8	11.1	11.6	12.2	12.5	12.7	13.0	13.5
	8H	11.1	11.4	11.6	11.9	12.4	12.7	13.0	13.2	13.5	14.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.7 / - 0.9					+ 3.1 / - 2.4					
1.5H	+ 1.2 / - 0.7					+ 5.0 / - 2.2					
2.0H	+ 1.1 / - 0.5					+ 3.0 / - 1.0					

CIE Pub.117 Corrected 1095 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.3)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LYH  
 Test Date: 2024-07-29

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: All

## UTILIZATION FACTORS TABLE

Test:U:24.00V I:1.615A P:38.76W PF:1.000 Lamp Flux:1095.33x1 lm		
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

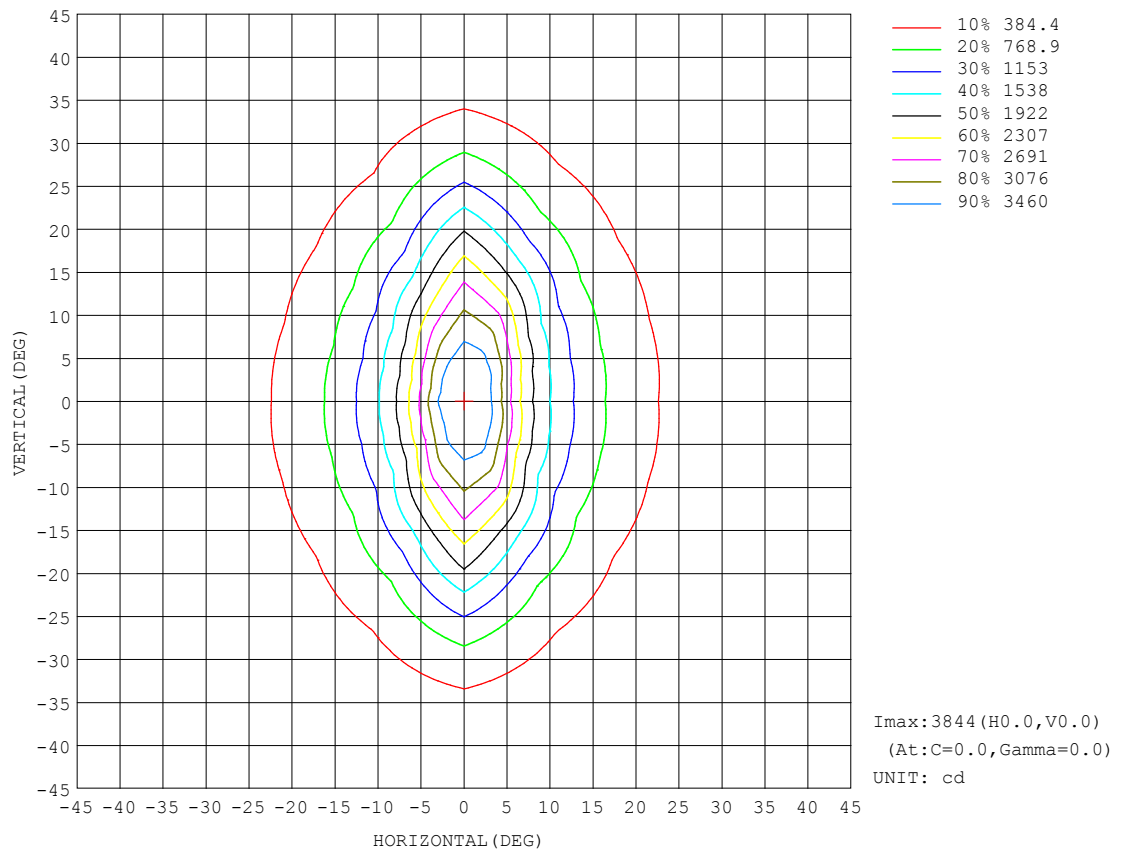
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	76	85	79	75	84	79	75	71
0.80	93	87	83	92	87	83	91	86	83	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	100	96	92	98	94	91	87
1.50	104	100	96	103	99	95	100	97	94	89
2.00	107	103	100	106	102	99	102	99	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	104	108	105	103	105	102	100	93
4.00	113	110	107	110	108	106	106	104	103	95
5.00	114	112	110	112	109	108	107	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LYH  
 Test Date: 2024-07-29

$\gamma$  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: All

## ISOCANDELA DIAGRAM

Test:U:24.00V I:1.615A P:38.76W PF:1.000 Lamp Flux:1095.33x1 lm		
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

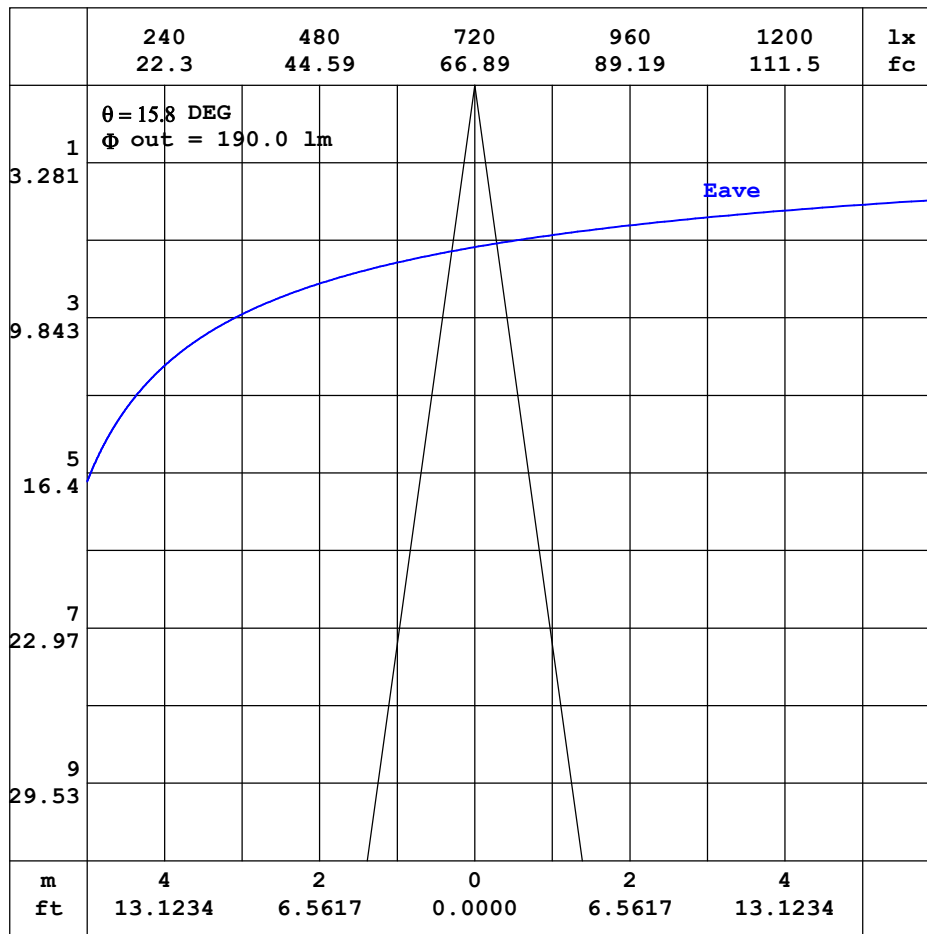


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-29

$\gamma$  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: All

## AAI CURVES

Test:U:24.00V I:1.615A P:38.76W PF:1.000 Lamp Flux:1095.33x1 lm		
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000	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.

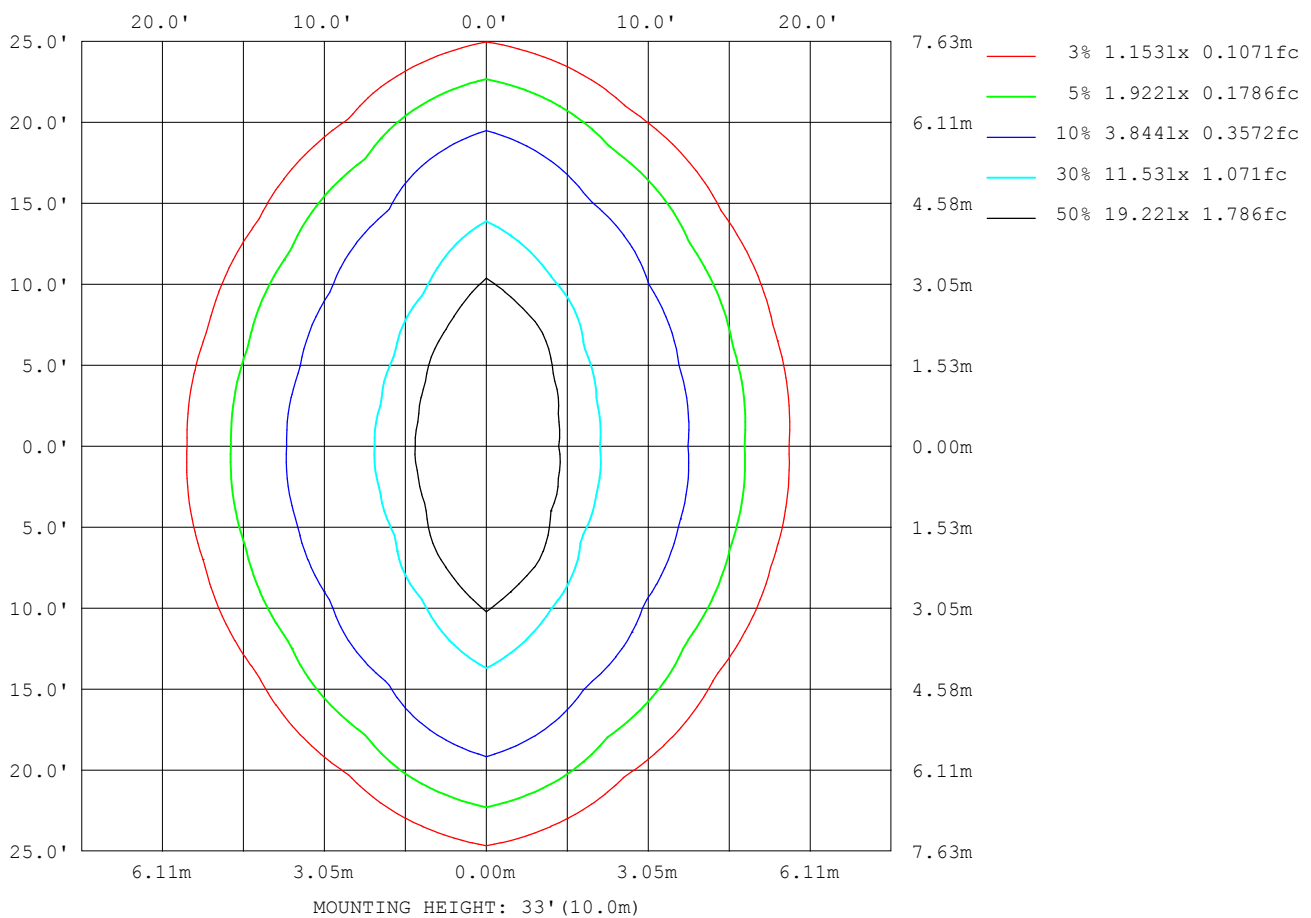
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-29

$\gamma$  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: All



## ISOLUX DIAGRAM

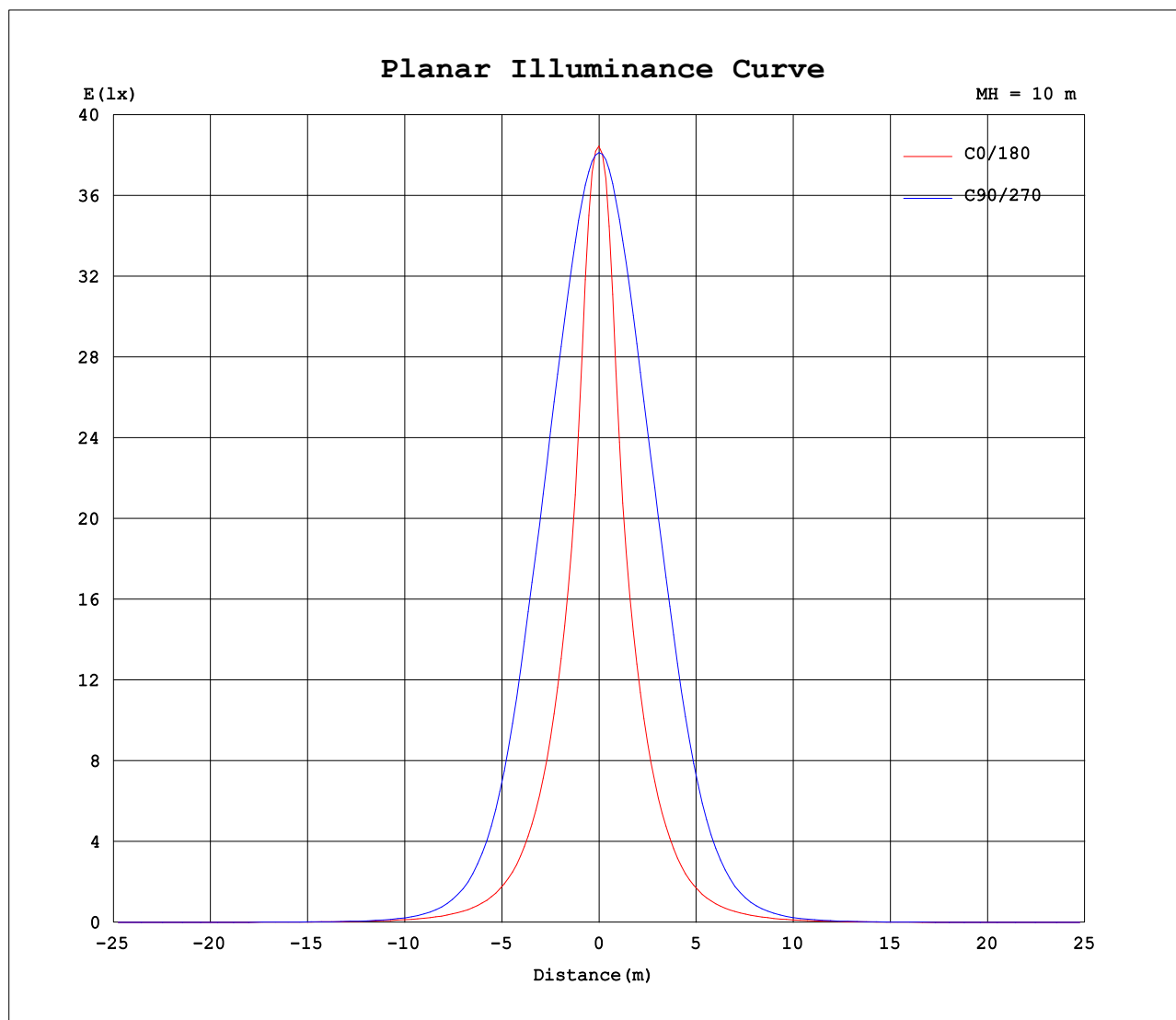
Test:U:24.00V I:1.615A P:38.76W PF:1.000 Lamp Flux:1095.33x1 lm		
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-29

$\gamma$  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: All

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-29

$\gamma$  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: All

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:1.615A P:38.76W PF:1.000 Lamp Flux:1095.33x1 lm		
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	3844	3833	3828	3819	3813	3808	3803	3804	3844	3833	3828	3819	3813	3808	3803	3804			
5	2836	3048	3302	3604	3612	3470	3077	2818	2763	2778	3115	3431	3616	3590	3361	2977			
10	1538	1648	1953	2807	3129	2606	1815	1557	1509	1554	1843	2537	3148	2865	2053	1646			
15	898	964	1147	1843	2527	1703	1088	918	878	904	1098	1637	2550	1923	1220	973			
20	516	557	665	1095	1854	1022	641	532	503	518	642	990	1889	1165	720	564			
25	294	315	380	609	1162	580	371	304	284	293	370	566	1209	659	416	321			
30	170	182	219	331	625	321	214	176	164	168	210	317	668	363	238	187			
35	101	108	127	180	304	177	123	104	98.3	100	122	176	326	198	138	109			
40	62.1	65.8	75.5	99.5	140	97.4	72.3	62.9	60.3	61.6	72.8	96.2	151	107	81.0	66.2			
45	38.5	40.4	45.2	55.1	65.2	53.7	43.0	38.2	36.5	37.3	43.2	52.7	70.0	57.8	47.8	40.6			
50	24.6	25.6	27.8	31.5	32.3	30.2	26.5	24.2	22.3	22.8	25.6	28.7	33.3	31.1	28.4	25.1			
55	17.1	17.5	17.8	18.5	18.6	17.9	16.8	16.3	14.3	14.4	15.3	15.9	17.3	17.1	16.8	15.7			
60	11.8	11.8	11.2	11.7	11.8	11.1	10.4	10.8	8.24	8.01	8.02	8.44	9.59	9.21	9.09	9.19			
65	8.24	7.96	7.48	7.93	8.34	7.88	7.46	7.68	4.39	4.12	3.81	4.33	5.09	4.66	4.27	4.61			
70	6.22	6.04	6.01	6.07	6.32	6.17	6.04	5.89	2.01	1.84	1.80	2.20	2.85	2.56	2.21	2.26			
75	4.90	4.94	5.18	4.77	4.96	4.93	5.35	4.91	0.79	0.62	0.64	0.84	0.96	0.90	0.84	0.68			
80	4.83	4.78	4.86	4.66	4.86	4.85	5.05	4.79	0.61	0.59	0.69	0.78	0.87	0.78	0.67	0.59			
85	4.73	4.59	4.60	4.57	6.30	4.75	4.81	4.68	0.70	0.67	0.84	0.90	2.71	0.90	0.83	0.65			
90	4.47	4.31	4.41	4.44	4.58	4.59	4.62	4.46	0.90	0.90	1.04	1.08	1.19	1.08	1.02	0.85			
95	4.17	4.10	4.27	4.31	4.43	4.40	4.38	4.20	1.18	1.15	1.31	1.38	1.47	1.36	1.28	1.11			
100	3.97	3.99	4.17	4.25	4.31	4.23	4.15	3.93	1.48	1.46	1.63	1.71	1.84	1.70	1.60	1.41			
105	3.89	3.92	4.09	4.24	4.27	4.20	3.97	3.80	1.81	1.80	2.01	2.16	2.29	2.13	1.98	1.76			
110	3.83	3.91	4.08	4.27	4.27	4.21	3.98	3.79	2.19	2.20	2.52	2.73	2.85	2.68	2.46	2.14			
115	3.83	3.92	4.12	4.49	4.53	4.42	4.05	3.86	2.69	2.76	3.18	3.42	3.54	3.36	3.10	2.68			
120	3.90	4.11	4.46	4.90	4.96	4.85	4.46	4.14	3.37	3.58	4.02	4.22	4.33	4.16	3.90	3.44			
125	4.34	4.61	5.06	5.53	5.59	5.51	5.15	4.73	4.44	4.72	5.00	5.10	5.18	5.04	4.84	4.50			
130	5.20	5.49	5.92	6.35	6.38	6.37	6.11	5.70	5.95	5.99	6.02	6.01	6.06	5.96	5.86	5.74			
135	6.64	6.70	6.98	7.32	7.28	7.37	7.23	6.94	7.33	7.15	7.00	6.90	6.89	6.85	6.86	6.93			
140	8.21	8.07	8.15	8.30	8.18	8.39	8.40	8.29	8.18	8.03	7.86	7.72	7.65	7.66	7.75	7.84			
145	9.48	9.42	9.31	9.26	9.02	9.37	9.54	9.60	8.72	8.64	8.57	8.41	8.24	8.29	8.43	8.44			
150	10.7	10.6	10.3	10.0	9.70	10.2	10.5	10.8	9.08	9.08	9.16	8.98	8.68	8.74	8.95	8.84			
155	11.7	11.5	11.0	10.5	10.2	10.8	11.2	11.6	9.40	9.46	9.59	9.42	8.97	8.96	9.26	9.14			
160	12.2	12.0	11.3	10.6	10.4	11.1	11.6	12.1	9.67	9.76	9.91	9.74	9.17	9.00	9.24	9.33			
165	12.2	11.8	11.2	10.6	10.6	11.1	11.7	12.1	9.76	9.93	10.1	9.91	9.38	9.02	9.12	9.33			
170	11.6	11.2	10.8	10.6	10.6	10.9	11.4	11.5	9.77	9.97	10.2	10.0	9.69	9.20	9.08	9.19			
175	10.6	10.2	10.4	10.6	10.6	10.7	10.8	10.6	9.55	9.94	10.2	10.2	10.1	9.65	9.33	8.97			
180	9.64	9.86	10.3	10.5	10.5	10.4	10.1	9.69	9.59	9.88	10.3	10.5	10.5	10.3	10.1	9.61			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-29

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: All

Photometric Data Table [cd]

G/C	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	3844	3833	3828	3819	3813	3808	3803	3804	3844	3833
3.0	3516	3600	3678	3753	3735	3674	3529	3448	3462	3437
6.0	2476	2706	3035	3494	3534	3333	2795	2500	2419	2465
9.0	1715	1830	2190	2987	3241	2808	2015	1730	1681	1722
12.0	1243	1337	1562	2428	2903	2229	1470	1267	1217	1244
15.0	897.9	964.3	1147	1843	2527	1703	1088	917.5	877.8	903.6
18.0	645.5	692.4	823.8	1360	2122	1259	793.8	660.6	629.2	646.7
21.0	461.3	498.9	598.7	973.6	1711	912.4	573.5	476.9	449.5	461.2
24.0	328.7	355.7	425.6	683.6	1292	653.3	414.7	338.0	317.6	330.0
27.0	236.1	252.1	305.4	474.7	918.1	460.7	297.9	242.3	227.1	236.0
30.0	169.7	182.5	218.9	330.5	624.9	320.7	213.6	175.8	164.2	168.3
33.0	124.1	132.6	157.2	229.5	409.9	225.9	153.5	128.0	120.4	123.3
36.0	91.72	97.53	114.3	159.9	261.9	157.8	110.6	94.01	89.10	91.39
39.0	68.28	72.60	83.79	112.2	163.6	109.3	80.50	69.64	66.44	67.86
42.0	51.19	54.05	61.61	78.31	103.2	76.68	58.73	51.42	49.40	50.83
45.0	38.52	40.41	45.17	55.07	65.25	53.67	42.98	38.16	36.49	37.27
48.0	29.29	30.65	33.47	39.06	42.42	37.68	31.95	28.81	27.02	27.61
51.0	22.72	23.66	25.34	28.20	28.54	27.04	24.06	22.24	20.30	20.81
54.0	18.27	18.66	19.38	20.25	20.44	19.62	18.32	17.55	15.53	15.71
57.0	14.95	15.12	14.95	15.55	15.52	14.83	13.99	14.16	11.87	11.80
60.0	11.83	11.79	11.20	11.71	11.76	11.13	10.36	10.83	8.239	8.009
63.0	9.230	9.017	8.387	8.837	9.235	8.651	8.114	8.489	5.489	5.200
66.0	7.830	7.509	7.113	7.539	7.991	7.533	7.160	7.299	3.883	3.580
69.0	6.619	6.395	6.299	6.408	6.777	6.552	6.347	6.263	2.457	2.248
72.0	5.500	5.373	5.456	5.355	5.578	5.439	5.510	5.289	1.206	1.123
75.0	4.901	4.936	5.177	4.773	4.955	4.929	5.351	4.911	0.7929	0.6208
78.0	4.849	4.868	4.908	4.689	4.846	4.864	5.022	4.857	0.6408	0.5841
81.0	4.822	4.743	4.822	4.653	5.018	4.857	4.955	4.767	0.6142	0.5928
84.0	4.774	4.640	4.635	4.592	6.504	4.791	4.834	4.725	0.6745	0.6318
87.0	4.635	4.472	4.521	4.514	4.722	4.695	4.732	4.610	0.7709	0.7400
90.0	4.467	4.309	4.406	4.442	4.581	4.586	4.623	4.460	0.9035	0.8963
93.0	4.280	4.171	4.316	4.370	4.491	4.472	4.485	4.309	1.066	1.035
96.0	4.112	4.069	4.244	4.285	4.412	4.364	4.329	4.135	1.241	1.203
99.0	3.997	4.004	4.184	4.258	4.334	4.261	4.184	3.978	1.421	1.384
102.0	3.925	3.971	4.135	4.246	4.286	4.218	4.063	3.840	1.614	1.589
105.0	3.888	3.917	4.087	4.235	4.268	4.198	3.973	3.799	1.813	1.799
108.0	3.853	3.914	4.075	4.244	4.268	4.178	3.961	3.791	2.024	2.040
111.0	3.828	3.910	4.079	4.310	4.303	4.232	3.982	3.792	2.276	2.310
114.0	3.828	3.907	4.081	4.437	4.460	4.352	4.002	3.846	2.572	2.642
117.0	3.846	3.955	4.225	4.624	4.670	4.563	4.182	3.943	2.933	3.050
120.0	3.900	4.106	4.459	4.901	4.959	4.846	4.459	4.136	3.373	3.580
123.0	4.122	4.353	4.790	5.244	5.314	5.202	4.850	4.437	3.939	4.212
126.0	4.477	4.763	5.217	5.684	5.735	5.660	5.325	4.889	4.711	4.964
129.0	4.982	5.287	5.728	6.171	6.216	6.190	5.902	5.486	5.632	5.740
132.0	5.715	5.943	6.324	6.725	6.740	6.755	6.540	6.172	6.564	6.486
135.0	6.636	6.702	6.980	7.315	7.275	7.369	7.232	6.942	7.334	7.149
138.0	7.617	7.550	7.684	7.911	7.835	8.013	7.937	7.773	7.899	7.727
141.0	8.484	8.327	8.388	8.501	8.353	8.598	8.635	8.562	8.302	8.155
144.0	9.243	9.169	9.092	9.078	8.864	9.199	9.327	9.356	8.627	8.534
147.0	9.965	9.898	9.743	9.602	9.316	9.741	9.972	10.10	8.873	8.829
150.0	10.68	10.59	10.32	10.05	9.696	10.21	10.53	10.76	9.084	9.082
153.0	11.33	11.14	10.80	10.38	10.00	10.61	11.00	11.33	9.276	9.317
156.0	11.87	11.61	11.13	10.61	10.23	10.90	11.34	11.77	9.463	9.522
159.0	12.19	11.92	11.30	10.62	10.41	11.06	11.57	12.09	9.631	9.697
162.0	12.22	11.94	11.28	10.64	10.51	11.10	11.68	12.16	9.751	9.841
165.0	12.18	11.80	11.23	10.64	10.56	11.12	11.71	12.06	9.759	9.931
168.0	11.87	11.47	10.97	10.58	10.58	11.02	11.56	11.80	9.767	9.980
171.0	11.44	11.00	10.67	10.57	10.61	10.89	11.29	11.39	9.775	9.965
174.0	10.87	10.39	10.43	10.56	10.61	10.71	10.92	10.85	9.636	9.949
177.0	10.12	9.943	10.31	10.55	10.61	10.53	10.51	10.21	9.468	9.884
180.0	9.643	9.860	10.31	10.53	10.54	10.38	10.11	9.691	9.589	9.878
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	3828	3819	3813	3808	3803	3804				
3.0	3575	3673	3745	3744	3694	3550				
6.0	2836	3279	3539	3481	3122	2660				
9.0	2049	2736	3259	3045	2297	1826				
12.0	1496	2157	2910	2484	1657	1329				
15.0	1098	1637	2550	1923	1220	973.3				
18.0	797.5	1221	2160	1442	891.1	699.3				
21.0	574.7	889.0	1750	1044	645.4	502.3				
24.0	412.1	634.0	1338	739.2	463.4	360.3				
27.0	292.8	451.4	967.1	521.7	330.5	259.5				
30.0	210.1	316.7	668.1	363.2	237.6	186.8				

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LYH  
 Test Date: 2024-07-29

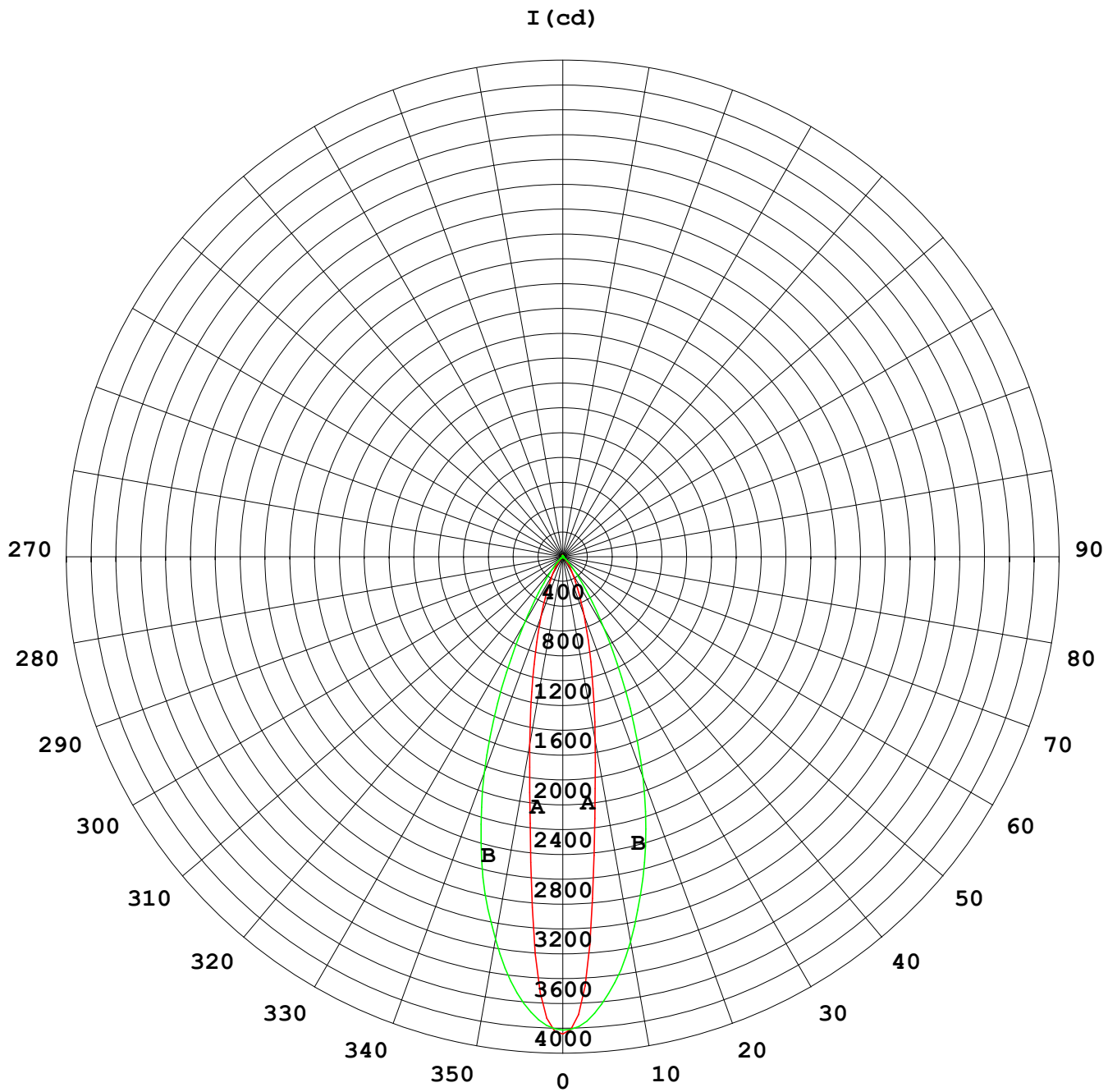
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 10.000m [K=1.0000]  
 Remarks: All

## Photometric Data Table [cd]

33.0	151.9	221.1	441.3	251.8	171.3	134.2
36.0	110.5	155.1	279.7	176.1	123.9	98.96
39.0	81.03	108.4	175.7	120.5	90.00	73.19
42.0	59.53	75.55	110.7	83.17	65.55	54.86
45.0	43.24	52.72	69.97	57.76	47.77	40.58
48.0	31.63	36.58	44.38	39.93	34.96	30.26
51.0	23.23	25.41	29.03	27.51	25.62	22.77
54.0	16.94	17.85	19.58	19.34	18.72	17.29
57.0	12.14	12.53	13.77	13.41	13.45	12.86
60.0	8.022	8.437	9.587	9.213	9.087	9.194
63.0	4.934	5.455	6.431	6.015	5.702	5.841
66.0	3.330	3.898	4.636	4.211	3.782	4.044
69.0	2.139	2.616	3.282	2.983	2.578	2.658
72.0	1.141	1.472	1.873	1.750	1.483	1.425
75.0	0.6380	0.8378	0.9618	0.9045	0.8362	0.6818
78.0	0.6443	0.7705	0.8308	0.7791	0.6968	0.5718
81.0	0.7106	0.7883	0.8978	0.7860	0.7045	0.5958
84.0	0.8010	0.8544	2.257	0.8484	0.7890	0.6197
87.0	0.9154	0.9746	1.084	0.9447	0.8972	0.7220
90.0	1.042	1.083	1.192	1.083	1.018	0.8484
93.0	1.198	1.246	1.349	1.227	1.168	1.005
96.0	1.367	1.426	1.536	1.408	1.337	1.185
99.0	1.560	1.643	1.758	1.625	1.530	1.372
102.0	1.771	1.889	1.993	1.865	1.740	1.558
105.0	2.005	2.160	2.289	2.130	1.981	1.763
108.0	2.301	2.479	2.614	2.443	2.247	1.974
111.0	2.632	2.846	2.981	2.810	2.578	2.244
114.0	3.035	3.273	3.396	3.219	2.963	2.569
117.0	3.505	3.718	3.842	3.670	3.403	2.966
120.0	4.023	4.218	4.330	4.164	3.902	3.442
123.0	4.595	4.748	4.829	4.694	4.444	4.049
126.0	5.197	5.272	5.353	5.223	5.046	4.735
129.0	5.817	5.825	5.883	5.771	5.661	5.493
132.0	6.419	6.373	6.400	6.319	6.280	6.246
135.0	6.996	6.897	6.894	6.854	6.864	6.932
138.0	7.526	7.402	7.357	7.348	7.406	7.523
141.0	8.019	7.872	7.772	7.811	7.899	7.986
144.0	8.434	8.281	8.139	8.173	8.314	8.324
147.0	8.820	8.649	8.434	8.498	8.669	8.607
150.0	9.156	8.980	8.680	8.739	8.952	8.836
153.0	9.433	9.257	8.867	8.884	9.162	9.028
156.0	9.662	9.486	9.011	8.981	9.254	9.179
159.0	9.848	9.673	9.126	8.995	9.241	9.288
162.0	9.992	9.817	9.240	9.009	9.215	9.344
165.0	10.11	9.907	9.378	9.024	9.125	9.333
168.0	10.19	9.986	9.547	9.095	9.100	9.306
171.0	10.21	10.05	9.758	9.269	9.095	9.126
174.0	10.22	10.16	9.999	9.551	9.235	8.975
177.0	10.25	10.33	10.28	9.900	9.584	9.052
180.0	10.27	10.53	10.55	10.29	10.12	9.613

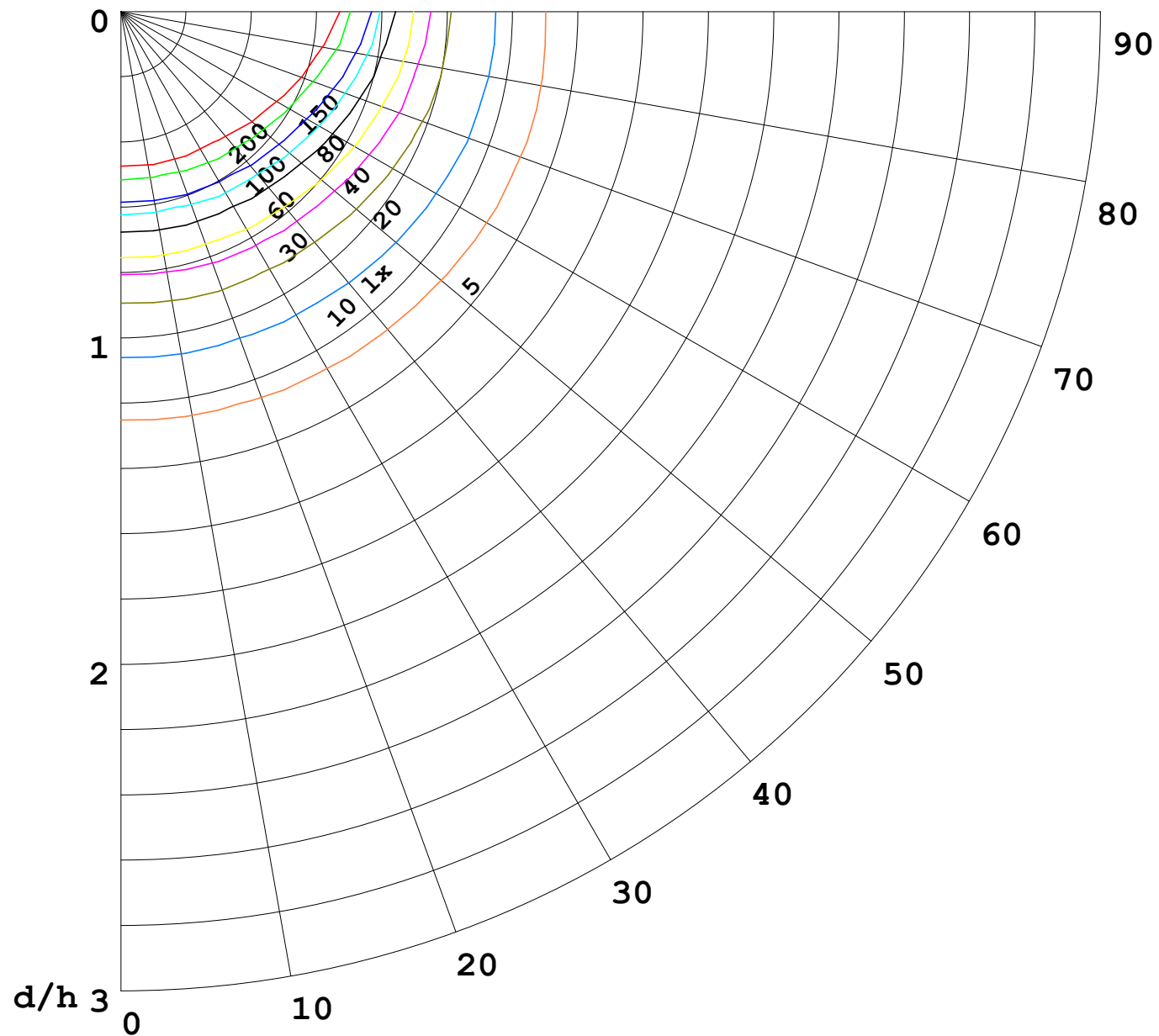
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-29

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: All



1000 lm

$K = 1$



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

