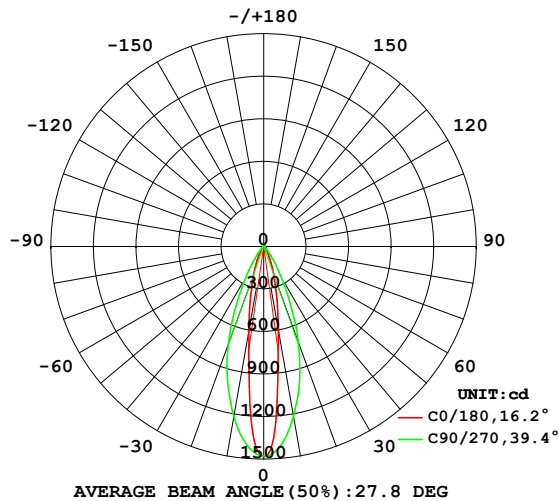


## LUMINAIRE PHOTOMETRIC TEST REPORT

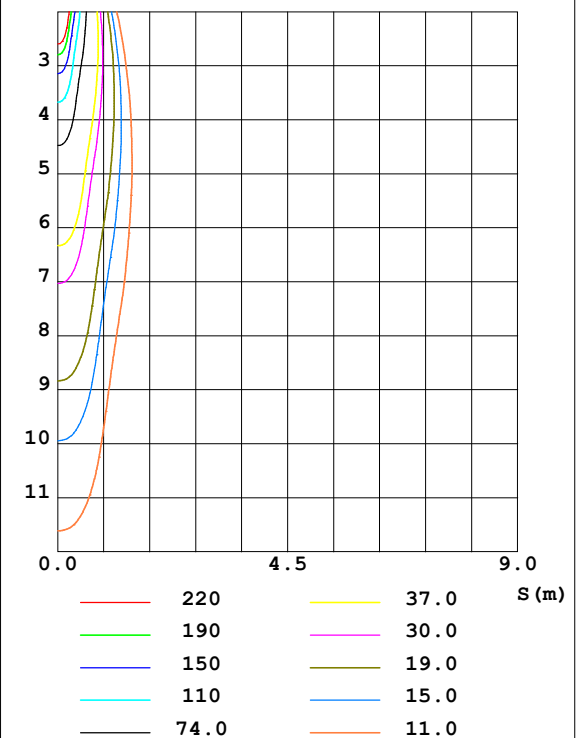
Test:U:24.00V I:0.3858A P:9.259W PF:1.000 Lamp Flux:433.483x1 lm		
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 46.82 lm/W			
MODEL		I <sub>max</sub> (cd)	1484	S/MH (C0/180)	0.27
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.63
RATED VOLTAGE (V)		TOTAL FLUX (lm)	433.48	η UP, DN (C0-180)	1.8, 48.3
NOMINAL FLUX (lm)	433.483	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.3, 48.6
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)



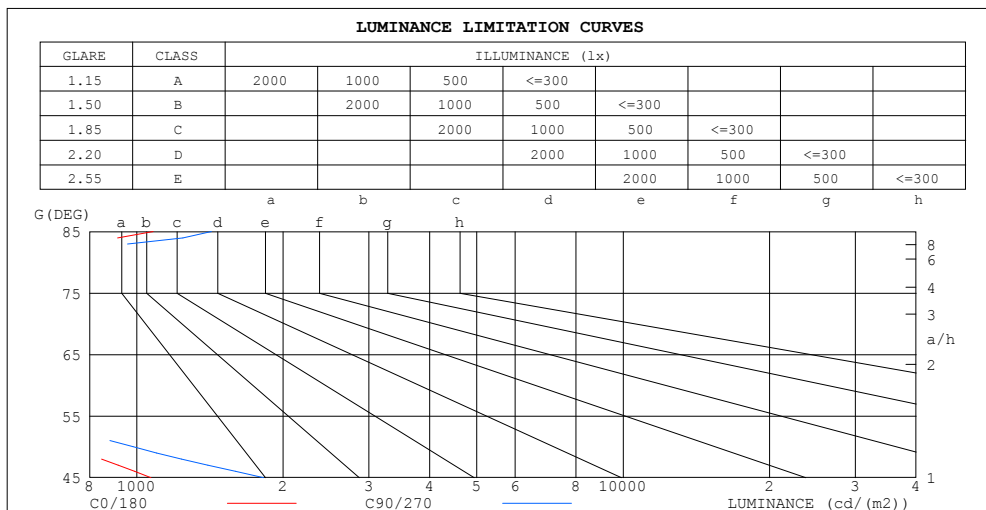
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-29

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: White

### 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	601.9	759.7	1215	730.9	611.1	740.7	1217	810.6	0- 10	105.9	105.9	24.4, 24.4
20	204.9	265.2	716.3	260.5	205.2	257.8	729.7	288.5	10- 20	152.6	258.5	59.6, 59.6
30	68.31	87.71	240.7	87.11	67.56	85.57	257.9	97.58	20- 30	94.54	353.0	81.4, 81.4
40	24.75	30.11	55.43	29.28	24.38	29.46	59.76	33.11	30- 40	40.72	393.8	90.8, 90.8
50	9.491	10.75	12.63	10.37	8.743	10.05	13.13	11.25	40- 50	15.40	409.2	94.4, 94.4
60	4.507	4.236	4.495	3.983	3.131	3.028	3.624	3.425	50- 60	5.963	415.1	95.8, 95.8
70	2.409	2.343	2.470	2.373	0.7325	0.6306	1.039	0.8108	60- 70	2.426	417.6	96.3, 96.3
80	1.936	1.950	2.043	2.004	0.2529	0.2771	0.3493	0.2830	70- 80	1.281	418.8	96.6, 96.6
90	1.782	1.770	1.836	1.860	0.3614	0.4215	0.4757	0.4155	80- 90	1.213	420.0	96.9, 96.9
100	1.589	1.668	1.734	1.668	0.5901	0.6564	0.7347	0.6384	90-100	1.203	421.3	97.2, 97.2
110	1.535	1.646	1.737	1.605	0.8732	1.012	1.144	0.9937	100-110	1.278	422.5	97.5, 97.5
120	1.562	1.757	1.944	1.763	1.343	1.602	1.728	1.572	110-120	1.442	424.0	97.8, 97.8
130	2.039	2.317	2.497	2.395	2.331	2.385	2.409	2.337	120-130	1.763	425.7	98.2, 98.2
140	3.231	3.207	3.219	3.309	3.227	3.113	3.040	3.089	130-140	2.135	427.9	98.7, 98.7
150	4.206	4.074	3.822	4.153	3.594	3.630	3.455	3.570	140-150	2.204	430.1	99.2, 99.2
160	4.827	4.460	4.135	4.599	3.811	3.919	3.642	3.648	150-160	1.851	431.9	99.6, 99.6
170	4.593	4.280	4.180	4.557	3.821	4.043	3.847	3.624	160-170	1.171	433.1	99.9, 99.9
180	3.828	4.111	4.183	4.045	3.786	4.087	4.189	4.039	170-180	0.3868	433.5	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1081	1424
80	557	588
75	379	382
70	352	361
65	377	385
60	451	449
55	572	622
50	738	983
45	1070	1822

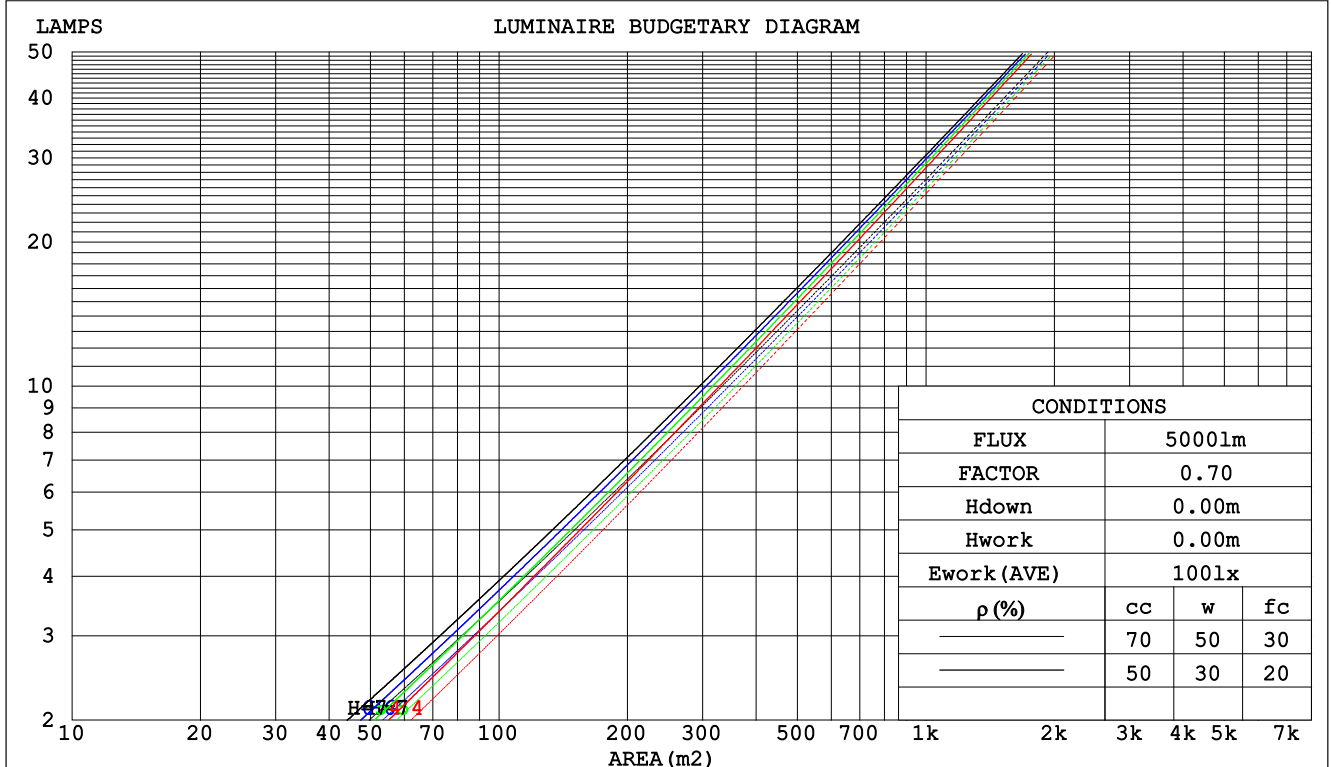
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-29

$\gamma$  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: White

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.3858A P:9.259W PF:1.000 Lamp Flux:433.483x1 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						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	.90	.97	.93	.90	.94	.90	.88	.91	.88	.86	.88	.86	.84	.83
4.0	.93	.88	.85	.92	.87	.84	.89	.86	.83	.87	.84	.82	.85	.82	.80	.79
5.0	.89	.84	.80	.88	.83	.79	.85	.82	.78	.84	.80	.78	.82	.79	.77	.75
6.0	.84	.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	.73	.71	.76	.73	.70	.69
8.0	.77	.72	.69	.77	.72	.69	.75	.71	.68	.74	.71	.68	.73	.70	.67	.66
9.0	.74	.69	.66	.74	.69	.66	.73	.68	.65	.72	.68	.65	.71	.67	.65	.64
10.0	.71	.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: White

## WEC AND CCEC

Test:U:24.00V I:0.3858A P:9.259W PF:1.000 Lamp Flux:433.483x1 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	.142	.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	.128	.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	.128	.065	.019	.123	.063	.018	.116	.060	.018	.108	.057	.017	.102	.054	.016	
6.0	.121	.061	.017	.117	.059	.017	.110	.057	.016	.104	.054	.016	.098	.052	.015	
7.0	.115	.057	.016	.112	.056	.016	.106	.053	.015	.100	.051	.015	.094	.049	.014	
8.0	.110	.054	.015	.107	.052	.015	.101	.051	.014	.096	.049	.014	.091	.047	.014	
9.0	.105	.051	.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	.047	.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: White

## Uncorrected UGR Table

Test:U:24.00V I:0.3858A P:9.259W PF:1.000 Lamp Flux:433.483x1 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					5.1	5.9	5.4	6.1	6.3	8.5
3H					5.4	6.1	5.7	6.4	6.6	8.5
4H					5.6	6.3	5.9	6.6	6.8	8.6
6H					6.0	6.7	6.4	6.9	7.2	8.7
8H					6.3	7.0	6.7	7.3	7.6	8.9
12H					6.8	7.4	7.2	7.8	8.1	9.3
4H 2H					5.1	5.8	5.5	6.1	6.4	8.4
3H					5.5	6.1	5.9	6.5	6.8	8.4
4H					5.9	6.4	6.3	6.8	7.1	8.5
6H					6.5	7.0	6.9	7.4	7.8	8.8
8H					7.0	7.5	7.4	7.9	8.3	9.1
12H					7.7	8.1	8.2	8.6	9.0	9.7
8H 4H					6.0	6.4	6.4	6.8	7.3	8.5
6H					6.9	7.2	7.4	7.7	8.2	8.9
8H					7.6	7.9	8.1	8.4	8.9	9.3
12H					8.6	8.8	9.1	9.3	9.9	10.2
12H 4H					6.0	6.4	6.5	6.9	7.3	8.5
6H					7.0	7.3	7.5	7.8	8.3	8.9
8H					7.8	8.1	8.3	8.6	9.1	9.4
Variations with the observer position at spacings:										
S = 1.0H					+ 0.7 / - 1.0			+ 3.0 / - 2.4		
1.5H					+ 1.3 / - 0.8			+ 4.9 / - 2.2		
2.0H					+ 1.2 / - 0.5			+ 3.0 / - 0.9		

CIE Pub.117 Corrected 433.5 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.9)

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: White

## UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.3858A P:9.259W PF:1.000 Lamp Flux:433.483x1 lm		
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

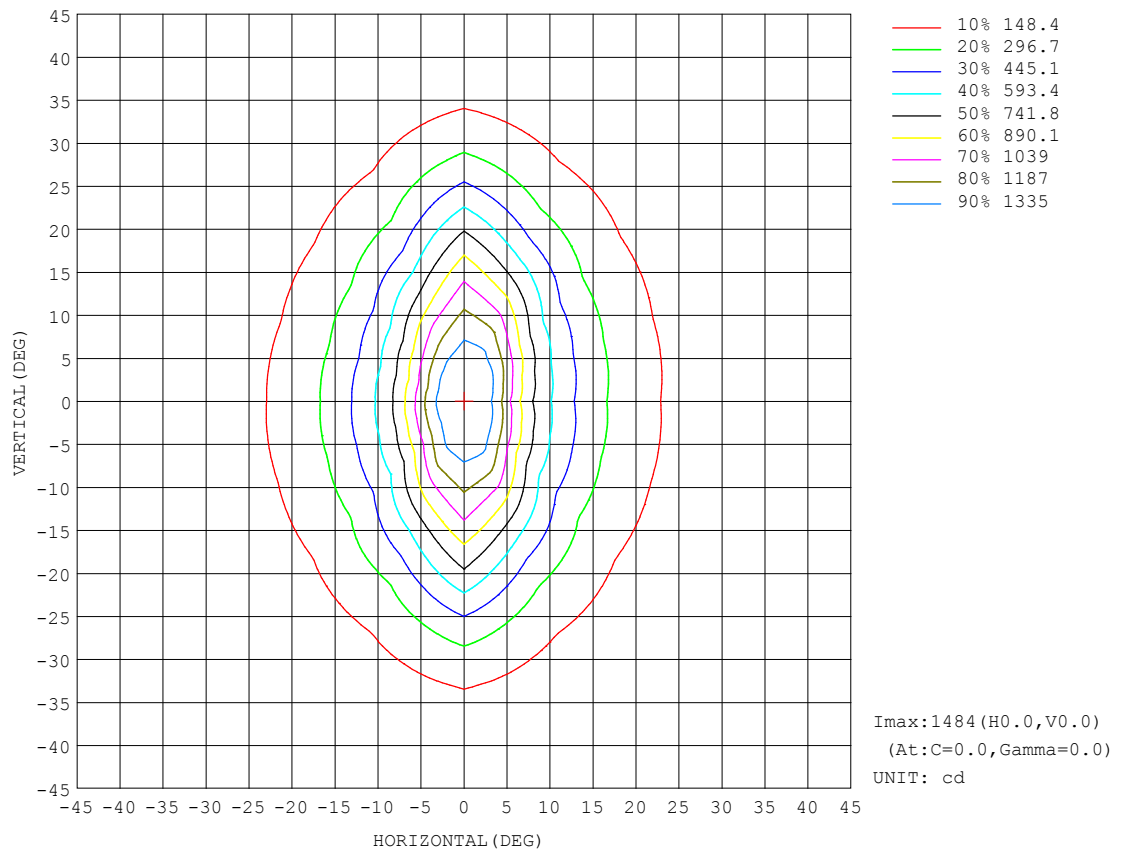
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	76	85	79	75	84	79	75	72
0.80	93	87	83	92	87	83	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	109	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: White

## ISOCANDELA DIAGRAM

Test:U:24.00V I:0.3858A P:9.259W PF:1.000 Lamp Flux:433.483x1 lm		
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

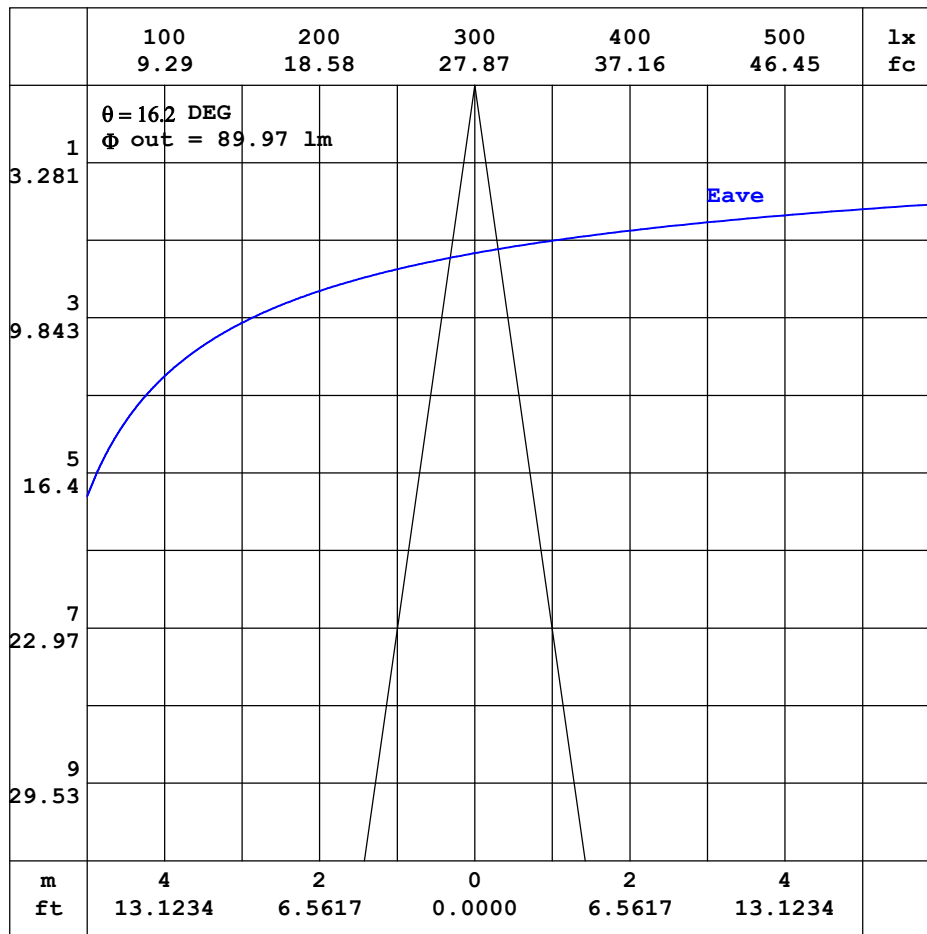


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-07-29

$\gamma$  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: White

## AAI CURVES

Test:U:24.00V I:0.3858A P:9.259W PF:1.000 Lamp Flux:433.483x1 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.

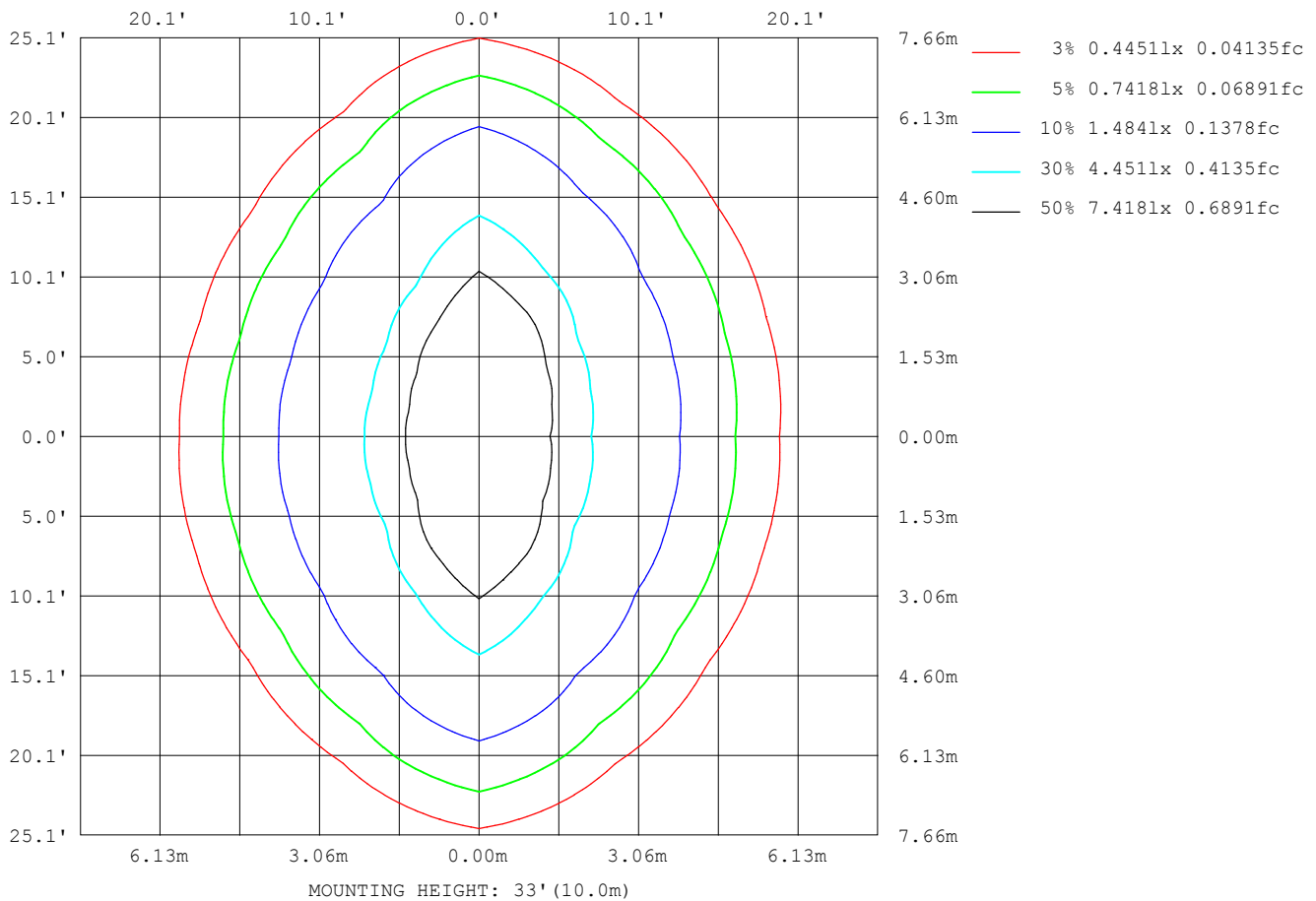
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-07-29

$\gamma$  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: White



## ISOLUX DIAGRAM

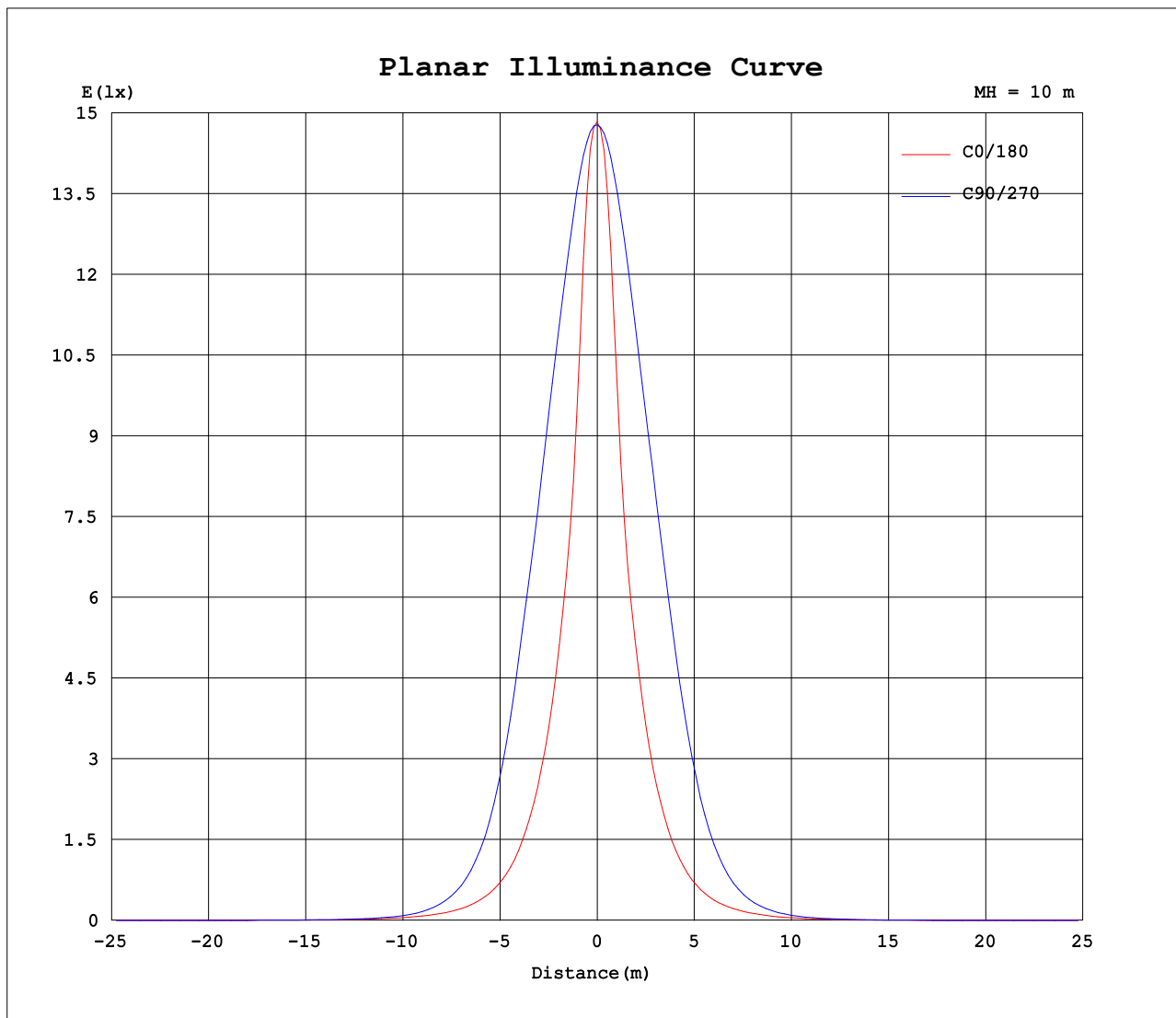
Test:U:24.00V I:0.3858A P:9.259W PF:1.000 Lamp Flux:433.483x1 lm		
NAME: AW01-24V-3030-18-RGBW(4000K)-1540-A-1000	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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: White

## 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: White

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.3858A P:9.259W PF:1.000 Lamp Flux:433.483x1 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	1484	1481	1481	1478	1478	1478	1478	1480	1484	1481	1481	1478	1478	1478	1478	1480			
5	1094	1172	1283	1398	1406	1364	1221	1150	1126	1123	1235	1341	1401	1394	1315	1178			
10	602	641	760	1091	1215	1038	731	630	611	624	741	1004	1217	1115	811	654			
15	353	385	451	713	980	681	440	377	359	365	442	655	987	754	486	390			
20	205	222	265	425	716	415	261	220	205	211	258	396	730	459	288	229			
25	117	127	152	238	446	234	150	126	117	120	149	227	468	263	168	131			
30	68.3	73.1	87.7	131	241	130	87.1	72.9	67.6	69.3	85.6	125	258	146	97.6	76.6			
35	40.6	43.6	51.0	71.9	118	71.6	50.4	42.9	40.2	41.2	49.8	69.5	128	79.7	56.6	45.5			
40	24.7	26.4	30.1	39.9	55.4	39.0	29.3	25.6	24.4	25.1	29.5	38.2	59.8	43.2	33.1	27.3			
45	15.1	16.0	17.8	21.8	25.8	21.1	17.2	15.3	14.6	15.0	17.2	20.8	27.7	23.2	19.3	16.4			
50	9.49	9.94	10.7	12.1	12.6	11.7	10.4	9.53	8.74	8.96	10.1	11.2	13.1	12.3	11.3	9.86			
55	6.56	6.66	6.83	7.14	7.14	6.85	6.50	6.32	5.54	5.58	5.90	6.10	6.73	6.57	6.51	6.08			
60	4.51	4.44	4.24	4.40	4.49	4.22	3.98	4.12	3.13	3.05	3.03	3.16	3.62	3.46	3.43	3.45			
65	3.19	3.01	2.90	3.02	3.26	3.02	2.92	2.95	1.65	1.60	1.41	1.68	1.92	1.81	1.61	1.77			
70	2.41	2.27	2.34	2.32	2.47	2.36	2.37	2.27	0.73	0.71	0.63	0.84	1.04	0.99	0.81	0.86			
75	1.96	1.94	2.06	1.87	1.97	1.94	2.13	1.94	0.28	0.27	0.29	0.33	0.34	0.36	0.37	0.28			
80	1.94	1.87	1.95	1.82	2.04	1.90	2.00	1.89	0.25	0.25	0.28	0.31	0.35	0.33	0.28	0.25			
85	1.88	1.79	1.84	1.79	2.48	1.86	1.93	1.84	0.29	0.25	0.34	0.31	1.07	0.33	0.34	0.25			
90	1.78	1.67	1.77	1.76	1.84	1.80	1.86	1.76	0.36	0.31	0.42	0.41	0.48	0.42	0.42	0.31			
95	1.67	1.60	1.72	1.70	1.78	1.73	1.76	1.66	0.47	0.42	0.52	0.52	0.59	0.51	0.52	0.42			
100	1.59	1.57	1.67	1.69	1.73	1.70	1.67	1.57	0.59	0.54	0.66	0.64	0.73	0.63	0.64	0.53			
105	1.55	1.57	1.64	1.69	1.72	1.69	1.60	1.55	0.72	0.69	0.81	0.82	0.92	0.82	0.79	0.66			
110	1.53	1.57	1.65	1.72	1.74	1.70	1.61	1.53	0.87	0.84	1.01	1.05	1.14	1.03	0.99	0.82			
115	1.55	1.58	1.66	1.81	1.77	1.78	1.61	1.57	1.08	1.07	1.27	1.32	1.42	1.31	1.25	1.05			
120	1.56	1.64	1.76	1.96	1.94	1.94	1.76	1.67	1.34	1.38	1.60	1.65	1.73	1.62	1.57	1.37			
125	1.70	1.86	1.98	2.20	2.18	2.20	2.02	1.91	1.76	1.82	1.99	1.97	2.06	1.96	1.94	1.78			
130	2.04	2.20	2.32	2.53	2.50	2.53	2.39	2.28	2.33	2.32	2.38	2.33	2.41	2.33	2.34	2.26			
135	2.61	2.69	2.74	2.91	2.86	2.94	2.83	2.78	2.88	2.77	2.77	2.71	2.74	2.69	2.74	2.73			
140	3.23	3.22	3.21	3.31	3.22	3.35	3.31	3.31	3.23	3.13	3.11	3.02	3.04	3.01	3.09	3.09			
145	3.74	3.75	3.67	3.68	3.57	3.74	3.77	3.83	3.44	3.38	3.40	3.30	3.28	3.27	3.37	3.33			
150	4.21	4.21	4.07	4.00	3.82	4.06	4.15	4.29	3.59	3.57	3.63	3.52	3.46	3.44	3.57	3.49			
155	4.62	4.57	4.35	4.18	4.03	4.31	4.46	4.65	3.72	3.71	3.80	3.69	3.57	3.53	3.66	3.61			
160	4.83	4.69	4.46	4.20	4.13	4.37	4.60	4.78	3.81	3.82	3.92	3.81	3.64	3.55	3.65	3.68			
165	4.82	4.65	4.41	4.20	4.17	4.39	4.63	4.78	3.82	3.89	4.00	3.89	3.73	3.57	3.63	3.68			
170	4.59	4.38	4.28	4.20	4.18	4.34	4.56	4.57	3.82	3.91	4.04	3.96	3.85	3.63	3.62	3.66			
175	4.21	4.00	4.13	4.19	4.18	4.21	4.31	4.21	3.76	3.92	4.06	4.01	4.02	3.82	3.73	3.59			
180	3.83	3.88	4.11	4.19	4.18	4.14	4.04	3.88	3.79	3.92	4.09	4.18	4.19	4.09	4.04	3.81			

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: White

## 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	1484	1481	1481	1478	1478	1478	1478	1480	1484	1481
3.0	1355	1394	1427	1457	1453	1433	1385	1362	1360	1354
6.0	951.9	1033	1179	1355	1376	1317	1118	1022	992.1	994.6
9.0	666.1	717.5	848.0	1168	1257	1117	812.0	697.3	676.8	695.8
12.0	485.5	527.9	611.3	931.8	1124	895.7	593.9	518.5	497.7	504.3
15.0	353.0	385.2	450.8	713.1	980.0	681.4	440.4	376.5	359.1	364.5
18.0	254.7	274.8	326.8	530.7	818.8	511.7	320.5	272.7	258.2	264.0
21.0	184.2	197.7	237.7	380.9	665.5	370.7	235.3	196.4	182.6	189.7
24.0	130.6	141.9	169.7	269.3	497.6	262.6	167.7	140.6	131.8	134.0
27.0	94.22	101.3	122.1	187.9	355.4	184.2	121.8	100.3	93.67	96.33
30.0	68.31	73.08	87.71	131.4	240.7	130.2	87.11	72.93	67.56	69.28
33.0	49.88	53.31	63.13	91.79	158.1	90.82	63.07	52.85	49.23	50.24
36.0	36.76	39.44	45.94	64.02	101.5	63.27	45.21	38.62	36.38	37.31
39.0	27.26	28.98	33.46	44.79	64.87	44.28	32.76	28.41	26.96	27.69
42.0	20.27	21.68	24.43	31.07	40.55	30.58	23.70	20.84	19.97	20.39
45.0	15.13	15.96	17.84	21.80	25.77	21.08	17.20	15.25	14.57	14.98
48.0	11.33	11.96	13.14	15.08	16.56	14.80	12.64	11.45	10.76	10.96
51.0	8.737	9.148	9.775	10.84	11.08	10.47	9.378	8.733	7.979	8.134
54.0	7.018	7.165	7.448	7.832	7.585	7.086	6.840	6.038	6.133	6.133
57.0	5.729	5.775	5.712	5.906	5.935	5.672	5.351	5.426	4.581	4.585
60.0	4.507	4.444	4.236	4.396	4.495	4.222	3.983	4.120	3.131	3.049
63.0	3.548	3.387	3.229	3.357	3.584	3.315	3.162	3.261	2.068	2.013
66.0	3.029	2.852	2.770	2.876	3.125	2.912	2.812	2.810	1.461	1.404
69.0	2.560	2.407	2.451	2.449	2.644	2.527	2.493	2.412	0.9010	0.8681
72.0	2.138	2.052	2.150	2.058	2.193	2.094	2.192	2.040	0.4260	0.4526
75.0	1.962	1.940	2.065	1.872	1.975	1.941	2.131	1.944	0.2836	0.2651
78.0	1.946	1.899	1.963	1.854	1.981	1.914	2.011	1.908	0.2409	0.2480
81.0	1.931	1.860	1.926	1.824	2.074	1.896	1.987	1.878	0.2588	0.2496
84.0	1.908	1.812	1.860	1.812	2.603	1.872	1.944	1.851	0.2711	0.2511
87.0	1.848	1.757	1.818	1.764	1.897	1.842	1.914	1.812	0.3131	0.2527
90.0	1.782	1.673	1.770	1.758	1.836	1.800	1.860	1.764	0.3614	0.3069
93.0	1.710	1.643	1.734	1.703	1.812	1.760	1.800	1.691	0.4217	0.3730
96.0	1.649	1.589	1.710	1.696	1.776	1.715	1.746	1.637	0.4939	0.4392
99.0	1.601	1.578	1.685	1.695	1.746	1.706	1.692	1.571	0.5601	0.5116
102.0	1.571	1.572	1.655	1.694	1.724	1.697	1.643	1.559	0.6503	0.6076
105.0	1.553	1.567	1.643	1.692	1.720	1.688	1.601	1.548	0.7226	0.6859
108.0	1.547	1.570	1.642	1.703	1.731	1.679	1.602	1.537	0.8070	0.7821
111.0	1.538	1.573	1.648	1.728	1.741	1.698	1.606	1.529	0.9094	0.8964
114.0	1.546	1.576	1.655	1.776	1.751	1.752	1.610	1.553	1.030	1.011
117.0	1.554	1.595	1.661	1.854	1.829	1.830	1.655	1.595	1.168	1.179
120.0	1.562	1.643	1.757	1.962	1.944	1.939	1.763	1.668	1.343	1.378
123.0	1.625	1.752	1.877	2.089	2.070	2.077	1.902	1.788	1.566	1.643
126.0	1.763	1.921	2.046	2.264	2.245	2.258	2.082	1.975	1.867	1.901
129.0	1.956	2.114	2.244	2.451	2.431	2.463	2.310	2.192	2.216	2.220
132.0	2.250	2.378	2.485	2.667	2.642	2.691	2.563	2.463	2.577	2.515
135.0	2.611	2.685	2.744	2.908	2.858	2.938	2.834	2.776	2.878	2.774
138.0	3.002	3.005	3.021	3.155	3.087	3.185	3.123	3.101	3.113	3.003
141.0	3.339	3.336	3.303	3.390	3.298	3.432	3.400	3.420	3.287	3.196
144.0	3.641	3.648	3.580	3.624	3.496	3.660	3.677	3.733	3.407	3.334
147.0	3.924	3.949	3.839	3.829	3.683	3.883	3.936	4.028	3.515	3.455
150.0	4.206	4.214	4.074	4.003	3.822	4.058	4.153	4.292	3.594	3.569
153.0	4.465	4.443	4.261	4.142	3.960	4.232	4.357	4.527	3.666	3.653
156.0	4.676	4.623	4.388	4.184	4.074	4.352	4.490	4.701	3.738	3.726
159.0	4.785	4.673	4.460	4.194	4.111	4.364	4.580	4.773	3.810	3.798
162.0	4.823	4.695	4.441	4.204	4.165	4.376	4.641	4.800	3.813	3.876
165.0	4.816	4.647	4.413	4.200	4.174	4.388	4.632	4.779	3.816	3.894
168.0	4.701	4.508	4.364	4.198	4.179	4.359	4.623	4.671	3.819	3.912
171.0	4.527	4.297	4.244	4.195	4.180	4.292	4.515	4.502	3.822	3.914
174.0	4.299	4.068	4.154	4.192	4.182	4.249	4.365	4.285	3.786	3.917
177.0	4.016	3.906	4.111	4.189	4.183	4.171	4.208	4.050	3.756	3.919
180.0	3.828	3.882	4.111	4.189	4.183	4.135	4.045	3.876	3.786	3.919
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	1481	1478	1478	1478	1478	1480				
3.0	1396	1421	1450	1453	1441	1399				
6.0	1133	1282	1371	1354	1223	1048				
9.0	825.3	1076	1261	1184	904.9	730.3				
12.0	600.8	849.5	1126	967.8	657.4	534.2				
15.0	441.6	654.8	987.3	754.1	486.4	390.1				
18.0	319.6	482.8	835.3	568.3	358.8	284.5				
21.0	230.9	353.3	677.0	413.8	259.1	205.1				
24.0	166.0	254.4	517.8	295.0	187.6	146.4				
27.0	119.1	180.8	375.4	209.2	135.2	106.0				
30.0	85.57	125.4	257.9	145.5	97.58	76.57				

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: White

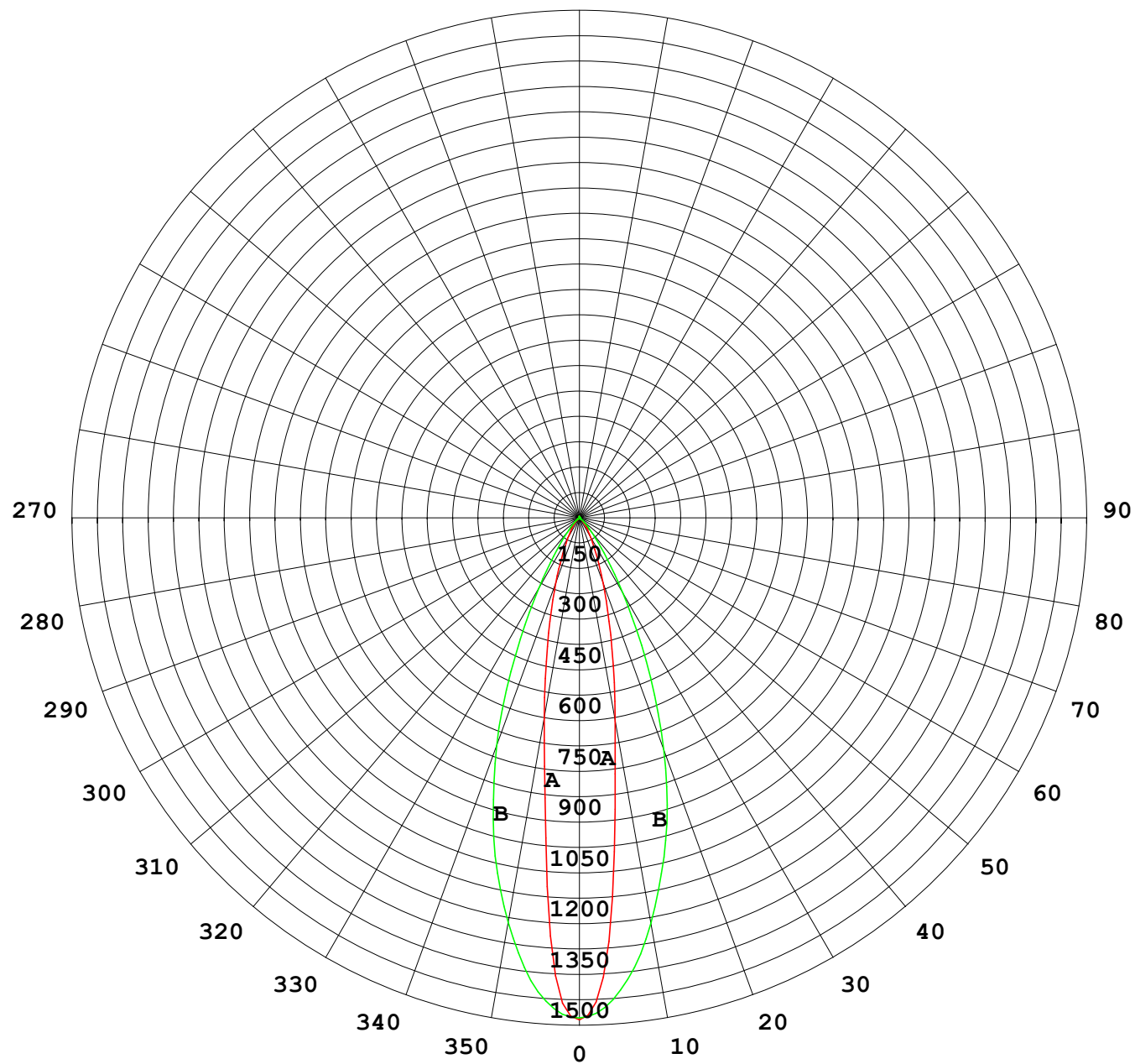
## Photometric Data Table [cd]

33.0	61.67	88.87	171.5	101.0	70.39	55.67
36.0	44.80	61.87	110.0	70.67	50.87	40.98
39.0	32.71	43.15	69.58	48.85	36.79	30.19
42.0	23.85	30.26	44.03	33.55	26.63	22.23
45.0	17.24	20.75	27.75	23.16	19.31	16.42
48.0	12.44	14.27	17.58	15.82	13.93	12.12
51.0	9.066	9.926	11.41	10.84	10.12	8.929
54.0	6.560	6.845	7.575	7.466	7.281	6.699
57.0	4.670	4.730	5.290	5.122	5.158	4.988
60.0	3.028	3.164	3.624	3.459	3.425	3.453
63.0	1.851	2.055	2.392	2.279	2.109	2.248
66.0	1.226	1.494	1.756	1.645	1.419	1.579
69.0	0.7748	1.000	1.226	1.169	0.9614	1.037
72.0	0.3961	0.5371	0.6543	0.6578	0.5103	0.5432
75.0	0.2863	0.3315	0.3370	0.3557	0.3680	0.2773
78.0	0.2650	0.3131	0.3430	0.3300	0.3170	0.2519
81.0	0.2949	0.3131	0.3616	0.3281	0.2890	0.2502
84.0	0.3192	0.3130	0.9525	0.3262	0.3192	0.2484
87.0	0.3614	0.3430	0.4276	0.3370	0.3553	0.2467
90.0	0.4215	0.4091	0.4757	0.4150	0.4155	0.3128
93.0	0.4818	0.4573	0.5420	0.4513	0.4638	0.3669
96.0	0.5480	0.5355	0.6084	0.5295	0.5361	0.4332
99.0	0.6204	0.6199	0.6927	0.6079	0.6083	0.5235
102.0	0.7107	0.7220	0.8009	0.6980	0.6927	0.5895
105.0	0.8130	0.8244	0.9154	0.8184	0.7950	0.6619
108.0	0.9215	0.9746	1.048	0.9445	0.9094	0.7641
111.0	1.054	1.101	1.198	1.089	1.042	0.8843
114.0	1.211	1.270	1.355	1.263	1.198	0.9928
117.0	1.397	1.450	1.536	1.426	1.367	1.161
120.0	1.602	1.649	1.728	1.625	1.572	1.366
123.0	1.831	1.853	1.933	1.835	1.788	1.594
126.0	2.059	2.046	2.126	2.040	2.011	1.871
129.0	2.306	2.269	2.336	2.257	2.258	2.154
132.0	2.535	2.485	2.541	2.473	2.505	2.455
135.0	2.770	2.708	2.739	2.690	2.740	2.726
138.0	2.986	2.907	2.920	2.895	2.956	2.961
141.0	3.173	3.081	3.088	3.063	3.149	3.142
144.0	3.347	3.244	3.233	3.220	3.317	3.298
147.0	3.504	3.394	3.353	3.346	3.461	3.395
150.0	3.630	3.521	3.455	3.443	3.570	3.491
153.0	3.738	3.629	3.522	3.503	3.648	3.593
156.0	3.828	3.720	3.582	3.533	3.662	3.623
159.0	3.901	3.792	3.624	3.545	3.660	3.678
162.0	3.961	3.864	3.672	3.558	3.630	3.692
165.0	3.997	3.888	3.726	3.571	3.627	3.679
168.0	4.039	3.918	3.798	3.587	3.625	3.666
171.0	4.046	3.979	3.883	3.683	3.630	3.654
174.0	4.057	3.997	3.979	3.774	3.684	3.588
177.0	4.075	4.069	4.088	3.918	3.835	3.599
180.0	4.087	4.183	4.189	4.087	4.039	3.810

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

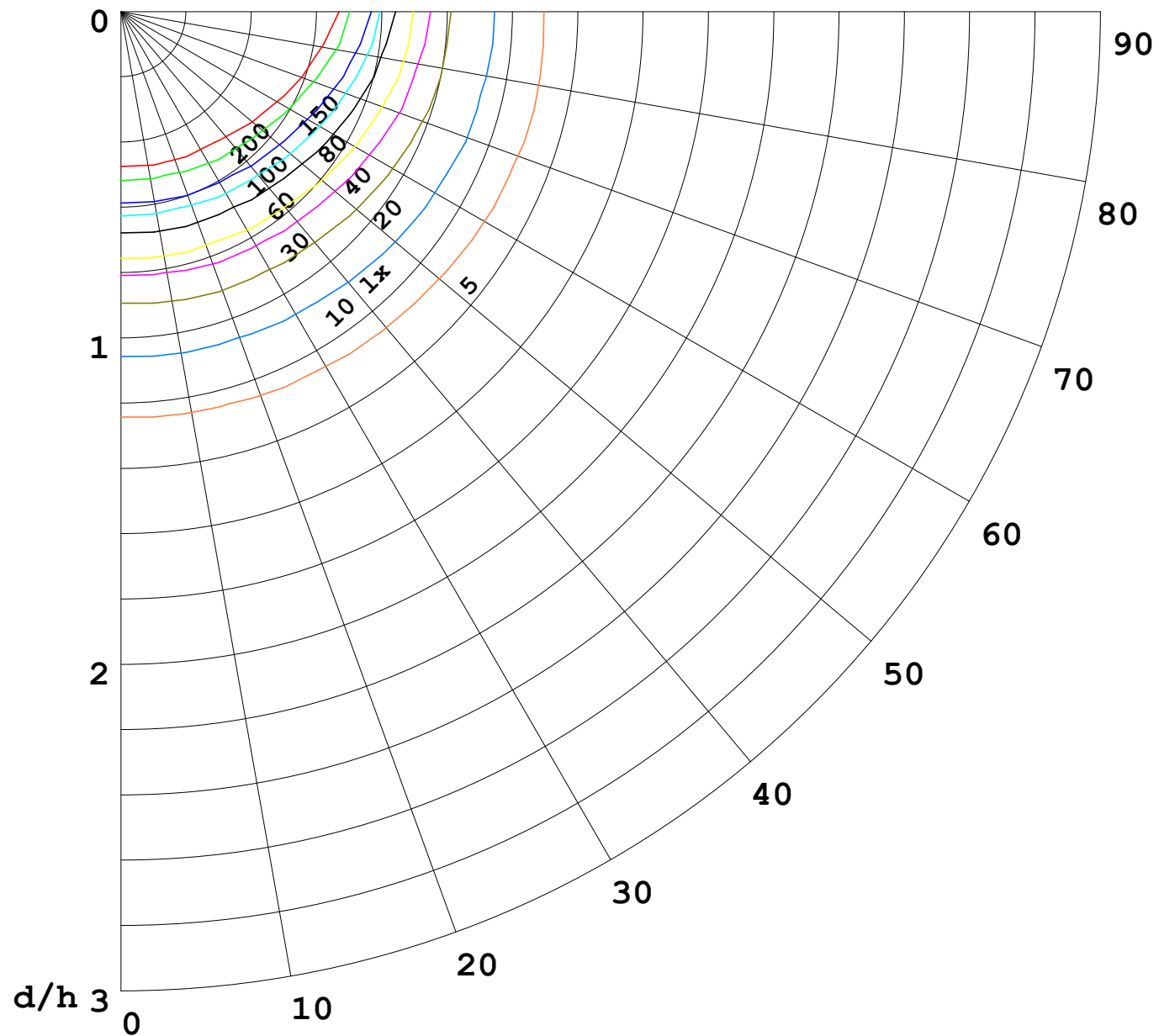
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 10.000m [K=1.0000]  
 Remarks: White

I (cd)



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

