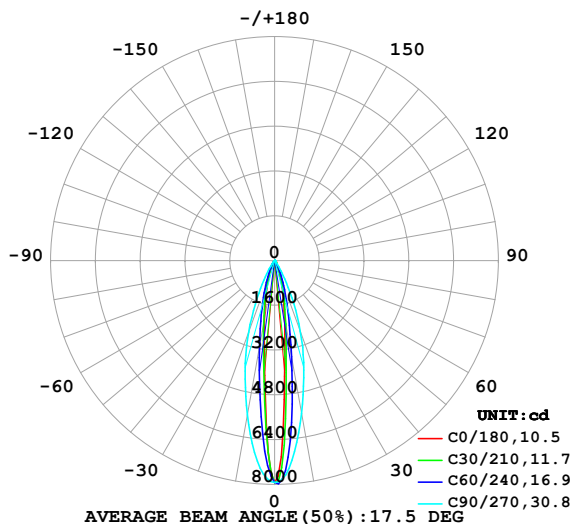


LUMINAIRE PHOTOMETRIC TEST REPORT

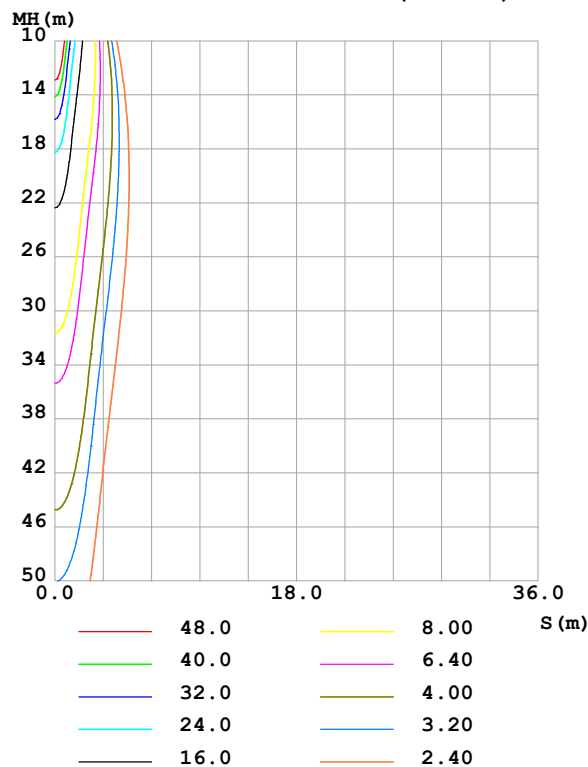
Test:U:24.000V I:1.4481A P:34.754W PF:1.0000 Freq:0Hz Lamp Flux:1364.88x1 lm		
NAME: AW01-24V-3535-18-3000-80-1540-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 39.27 lm/W
MODEL		I _{max} (cd)	7995	S/MH (C0/180)	0.18	
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.50	
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1364.9	η UP,DN (C0-180)	0.0,49.2	
NOMINAL FLUX (lm)	1364.88	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.8	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)		η down (%)	100.0	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: Cloud
Test Date: 2024-09-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.350m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2066	2898	5549	2627	2130	2704	5602	3070	0- 10	445.9	445.9	32.7,32.7
20	600.5	811.1	2705	769.9	632.4	817.5	2731	866.0	10- 20	527.8	973.7	71.3,71.3
30	154.8	195.8	638.5	200.4	172.1	207.1	677.7	211.7	20- 30	272.1	1246	91.3,91.3
40	37.11	44.70	83.37	44.10	38.41	45.16	90.81	48.87	30- 40	81.19	1327	97.2,97.2
50	8.487	9.565	13.93	9.131	8.587	8.916	13.05	9.705	40- 50	18.68	1346	98.6,98.6
60	5.003	5.468	5.767	5.454	4.875	5.064	5.405	5.174	50- 60	6.026	1352	99,99
70	4.628	4.656	4.477	4.789	3.924	4.127	4.386	4.169	60- 70	4.727	1356	99.4,99.4
80	4.310	4.001	3.859	4.338	3.502	3.712	3.969	3.738	70- 80	4.411	1361	99.7,99.7
90	3.414	3.342	3.306	3.579	3.354	3.497	3.769	3.524	80- 90	4.018	1365	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1339.7 lm

%lum = 98.2%

%lamp = 98.2%

Conical surface Flux(130deg): 1354.1 lm

%lum = 99.2%

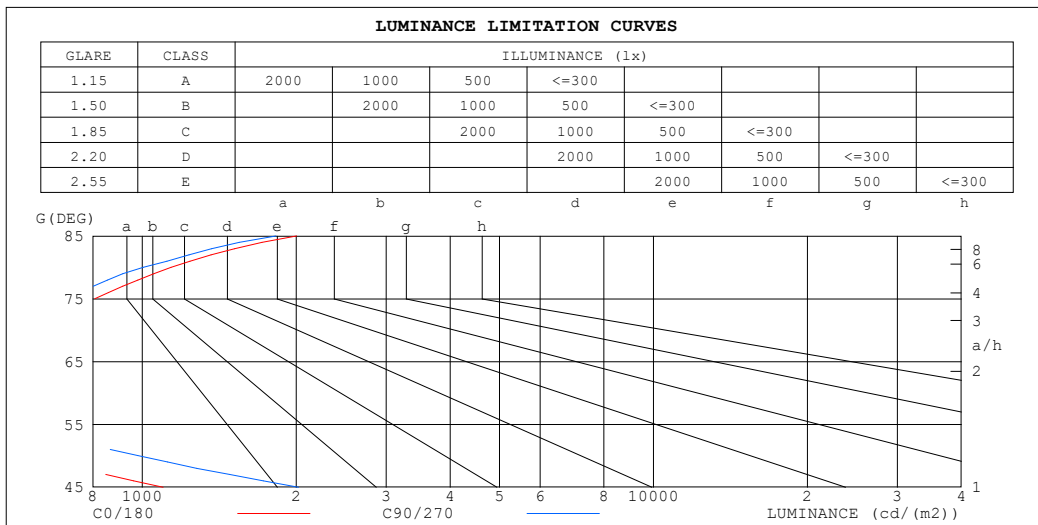
%lamp = 99.2%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:Cloud
 Test Date:2024-09-23

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:6.350m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.000V I:1.4481A P:34.754W PF:1.0000 Freq:0Hz Lamp Flux:1364.88x1 lm		
NAME: AW01-24V-3535-18-3000-80-1540-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2002	1826
80	1139	1004
75	808	719
70	621	591
65	512	532
60	459	521
55	469	599
50	606	979
45	1097	2021

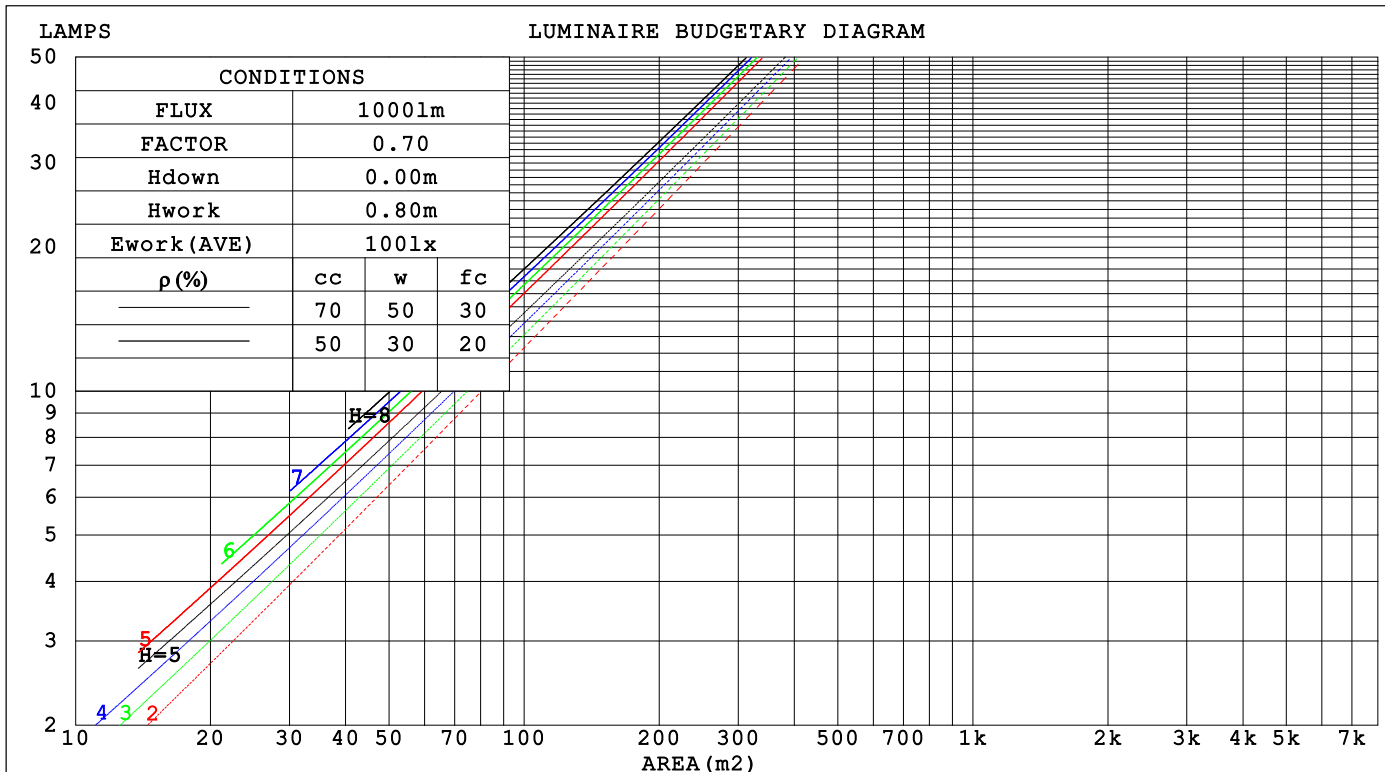
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Cloud
Test Date: 2024-09-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.350m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.000V I:1.4481A P:34.754W PF:1.0000 Freq:0Hz Lamp Flux:1364.88x1 lm		
NAME: AW01-24V-3535-18-3000-80-1540-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.03	1.01	1.00	.99	.98	.97	.96
2.0	1.07	1.03	1.01	1.05	1.02	.00	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3.0	1.02	.98	.95	1.00	.97	.94	.98	.95	.92	.95	.93	.91	.93	.91	.90	.88
4.0	.97	.93	.90	.96	.92	.89	.94	.91	.88	.92	.90	.87	.91	.88	.86	.85
5.0	.93	.89	.86	.92	.88	.85	.91	.87	.85	.89	.86	.84	.88	.85	.83	.82
6.0	.90	.85	.82	.89	.85	.82	.88	.84	.81	.86	.83	.81	.85	.82	.80	.79
7.0	.87	.82	.79	.86	.82	.79	.85	.81	.78	.84	.80	.78	.83	.80	.78	.77
8.0	.84	.79	.76	.83	.79	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.74
9.0	.81	.77	.74	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.72
10.0	.78	.74	.71	.78	.74	.71	.77	.74	.71	.77	.73	.71	.76	.73	.71	.70



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-09-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.350m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:24.000V I:1.4481A P:34.754W PF:1.0000 Freq:0Hz Lamp Flux:1364.88x1 lm					
NAME: AW01-24V-3535-18-3000-80-1540-B-1000			TYPE:		WEIGHT:
SPEC.:			DIM.: Length=1m		SERIAL No.:
MFR.:			SUR.:		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.148	.084	.027	.141	.081	.026	.129	.074	.024	.117	.068	.022	.107	.062	.020		
2.0	.137	.075	.023	.131	.072	.022	.121	.067	.021	.111	.063	.020	.103	.058	.018		
3.0	.127	.068	.020	.123	.066	.020	.114	.062	.019	.106	.058	.018	.099	.055	.017		
4.0	.119	.062	.018	.115	.060	.018	.108	.057	.017	.101	.054	.016	.095	.052	.016		
5.0	.112	.057	.017	.109	.056	.016	.103	.054	.016	.097	.051	.015	.092	.049	.015		
6.0	.106	.053	.015	.104	.052	.015	.098	.050	.015	.093	.048	.014	.088	.047	.014		
7.0	.101	.050	.014	.099	.049	.014	.094	.047	.014	.089	.046	.013	.085	.044	.013		
8.0	.096	.047	.013	.094	.046	.013	.090	.045	.013	.086	.044	.013	.082	.042	.012		
9.0	.092	.045	.012	.090	.044	.012	.086	.043	.012	.083	.042	.012	.080	.040	.012		
10.0	.088	.042	.012	.086	.042	.012	.083	.041	.011	.080	.040	.011	.077	.039	.011		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016		
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013		
3.0	.137	.113	.094	.117	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011		
4.0	.125	.098	.078	.107	.085	.067	.074	.059	.048	.043	.035	.028	.014	.011	.009		
5.0	.115	.086	.065	.098	.074	.056	.068	.052	.040	.039	.030	.024	.013	.010	.008		
6.0	.106	.076	.055	.091	.066	.048	.063	.046	.034	.036	.027	.020	.012	.009	.007		
7.0	.099	.068	.047	.085	.059	.041	.059	.041	.029	.034	.024	.017	.011	.008	.006		
8.0	.092	.061	.040	.079	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005		
9.0	.087	.056	.035	.075	.048	.030	.052	.034	.022	.030	.020	.013	.010	.007	.004		
10.0	.082	.051	.031	.070	.044	.027	.049	.031	.019	.028	.018	.011	.009	.006	.004		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-09-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.350m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.000V I:1.4481A P:34.754W PF:1.0000 Freq:0Hz Lamp Flux:1364.88x1 lm										
NAME: AW01-24V-3535-18-3000-80-1540-B-1000					TYPE:			WEIGHT:		
SPEC.:					DIM.: Length=1m			SERIAL No.:		
MFR.:					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	2.7	3.4	2.9	3.6	3.7	7.5	8.2	7.7	8.3	8.5
3H	3.2	3.8	3.4	4.0	4.2	7.5	8.1	7.7	8.3	8.5
4H	3.7	4.3	4.0	4.5	4.8	7.6	8.2	7.8	8.4	8.6
6H	4.5	5.1	4.8	5.4	5.6	7.7	8.3	8.0	8.6	8.8
8H	5.1	5.7	5.4	5.9	6.2	7.9	8.5	8.2	8.7	9.0
12H	5.8	6.3	6.1	6.6	6.8	8.1	8.7	8.4	8.9	9.2
4H 2H	2.7	3.3	3.0	3.5	3.8	7.3	7.9	7.6	8.1	8.3
3H	3.5	4.0	3.8	4.3	4.5	7.4	7.9	7.7	8.2	8.5
4H	4.2	4.7	4.6	5.0	5.3	7.5	8.0	7.9	8.3	8.6
6H	5.4	5.8	5.8	6.2	6.5	7.9	8.3	8.2	8.6	9.0
8H	6.1	6.5	6.5	6.9	7.2	8.2	8.6	8.5	8.9	9.3
12H	7.0	7.4	7.4	7.7	8.1	8.6	8.9	9.0	9.3	9.7
8H 4H	4.6	5.0	4.9	5.3	5.7	7.6	8.0	8.0	8.3	8.7
6H	6.0	6.3	6.4	6.7	7.1	8.1	8.4	8.5	8.8	9.2
8H	6.9	7.2	7.4	7.6	8.1	8.5	8.8	9.0	9.2	9.7
12H	8.0	8.3	8.5	8.7	9.2	9.1	9.4	9.6	9.8	10.3
12H 4H	4.6	5.0	5.0	5.4	5.8	7.6	8.0	8.0	8.3	8.7
6H	6.2	6.5	6.6	6.9	7.3	8.2	8.5	8.6	8.9	9.3
8H	7.2	7.4	7.6	7.9	8.4	8.7	8.9	9.1	9.4	9.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.7 / - 0.6					+ 3.1 / - 1.9				
1.5H	+ 1.5 / - 0.5					+ 5.2 / - 1.9				
2.0H	+ 0.3 / - 0.2					+ 1.8 / - 0.4				

CIE Pub.117, 1365 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.1)
Area: 0.022 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-09-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.350m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.000V I:1.4481A P:34.754W PF:1.0000 Freq:0Hz Lamp Flux:1364.88x1 lm		
NAME: AW01-24V-3535-18-3000-80-1540-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

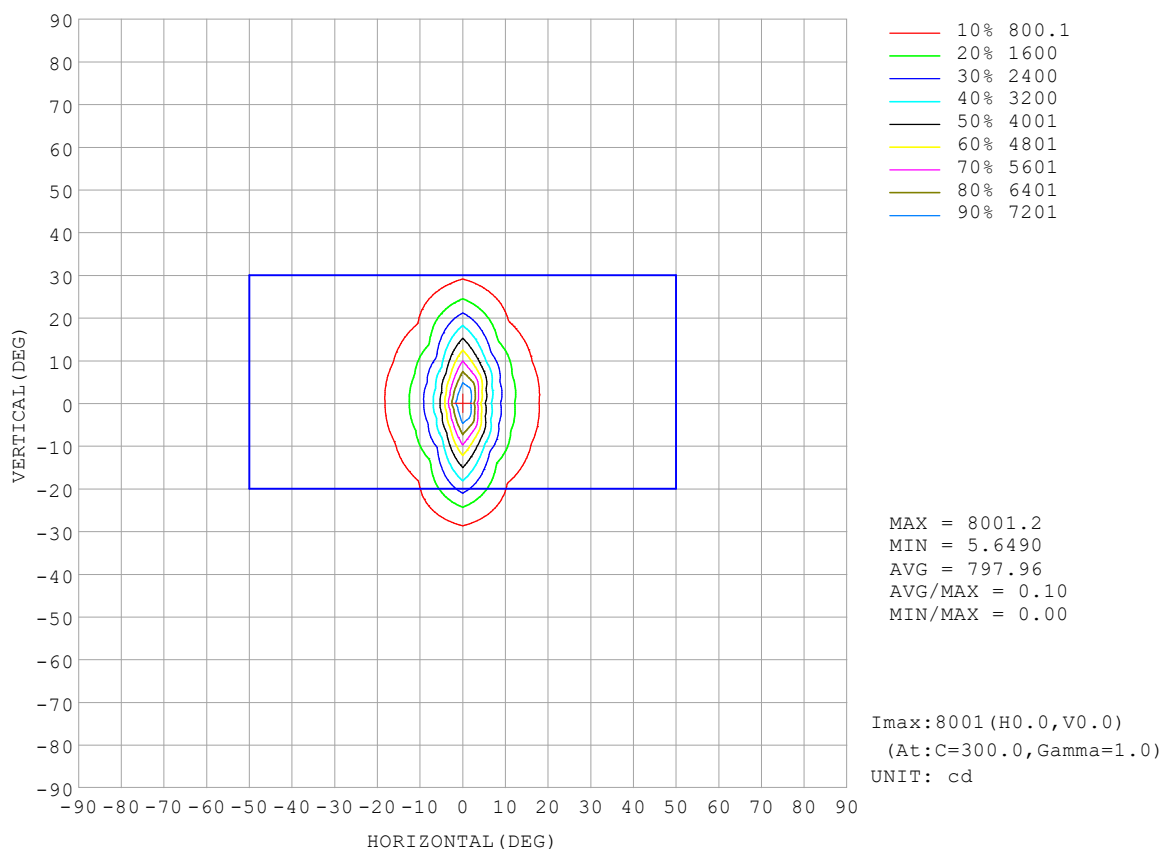
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	80	89	84	80	89	83	80	77
0.80	97	92	88	96	91	88	95	91	88	84
1.00	101	96	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	102	98	95	91
1.50	107	103	99	106	102	99	104	100	98	94
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	103	106	104	102	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	109	112	110	108	109	107	105	98
5.00	115	113	112	113	111	110	109	108	107	99
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: 25.3 °C
Operators: Cloud
Test Date: 2024-09-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.350m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.000V I:1.4481A P:34.754W PF:1.0000 Freq:0Hz Lamp Flux:1364.88x1 lm		
NAME: AW01-24V-3535-18-3000-80-1540-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

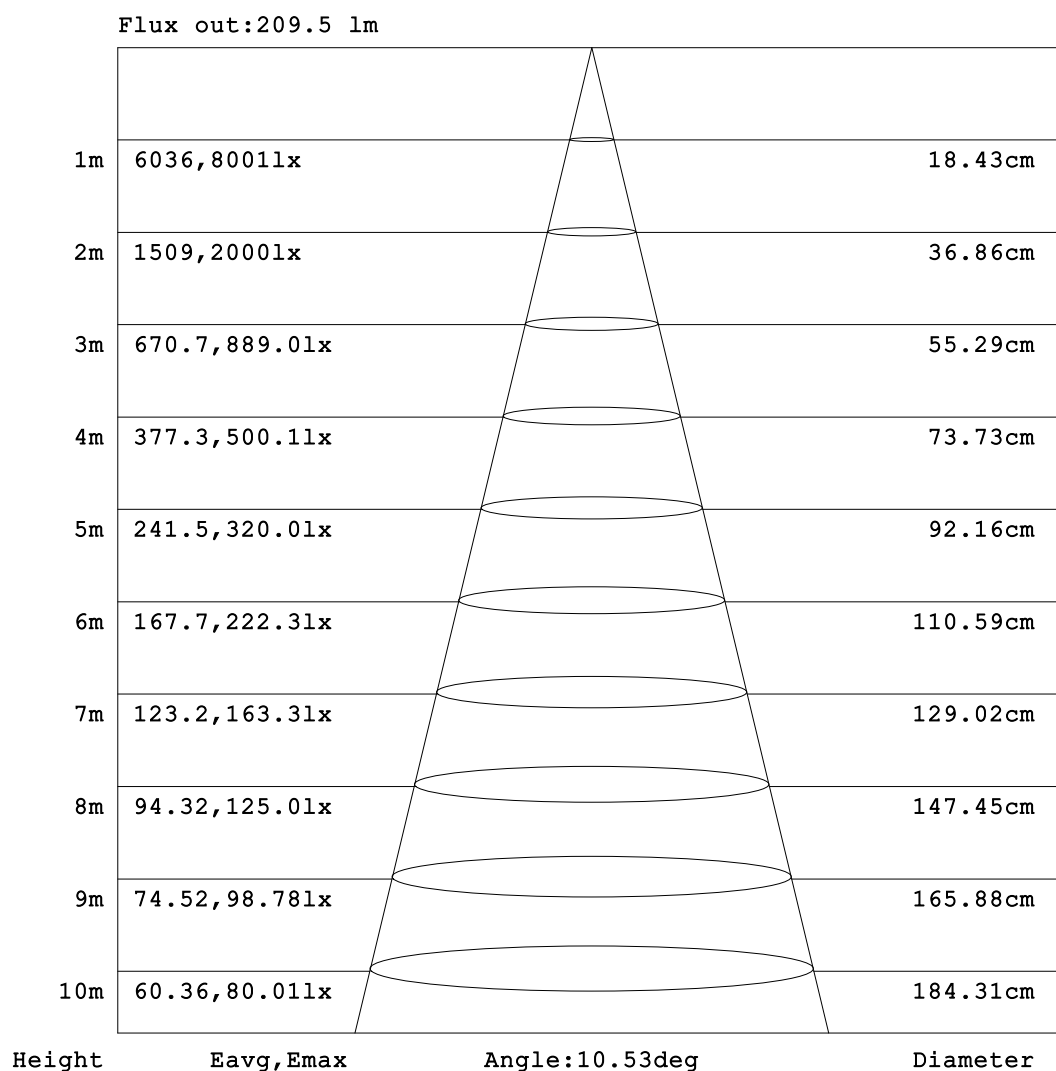


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-09-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.350m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.000V I:1.4481A P:34.754W PF:1.0000 Freq:0Hz Lamp Flux:1364.88x1 lm		
NAME: AW01-24V-3535-18-3000-80-1540-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



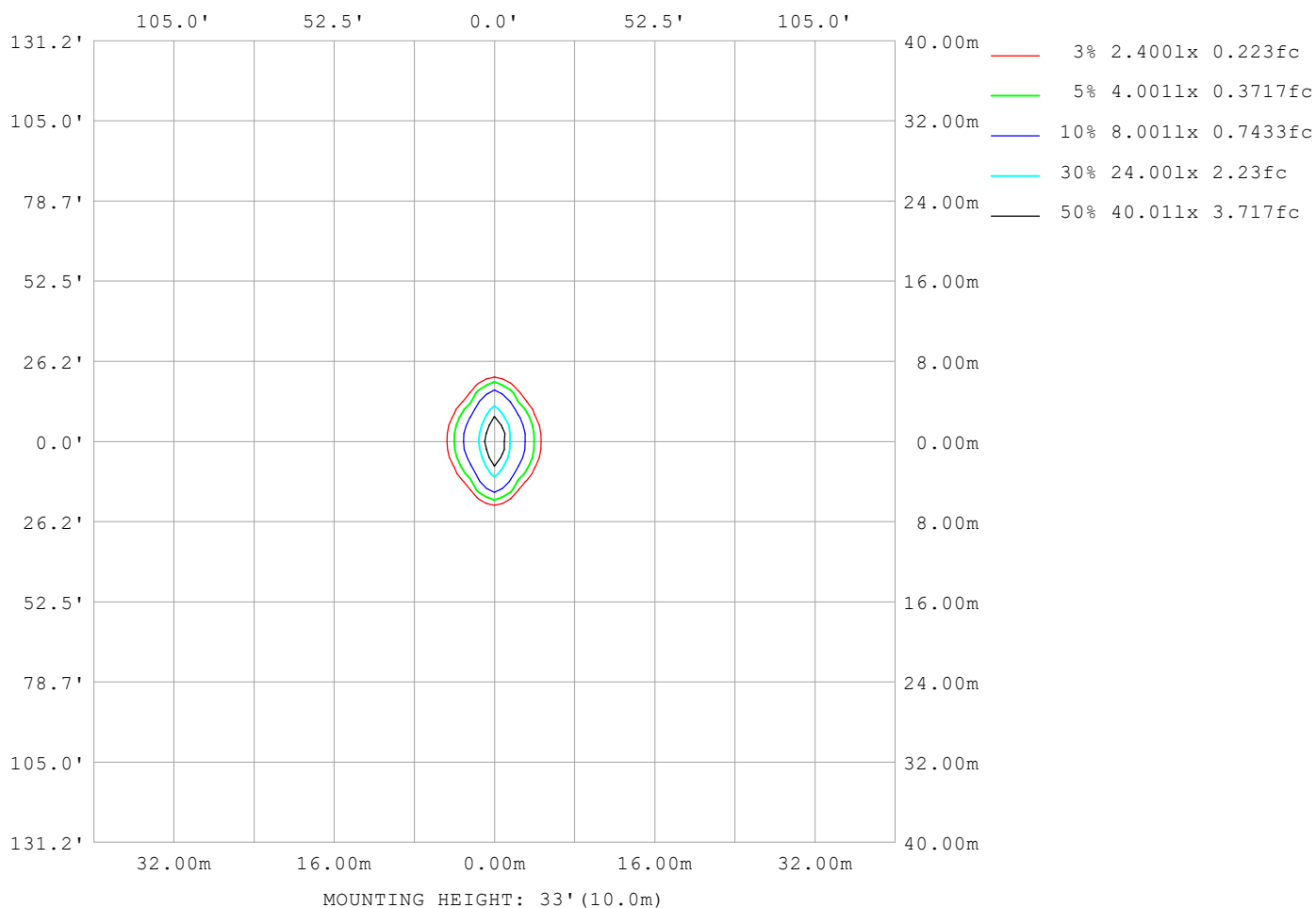
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-09-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.350m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:24.000V I:1.4481A P:34.754W PF:1.0000 Freq:0Hz Lamp Flux:1364.88x1 lm		
NAME: AW01-24V-3535-18-3000-80-1540-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:Cloud
Test Date:2024-09-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.350m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.000V I:1.4481A P:34.754W PF:1.0000 Freq:0Hz Lamp Flux:1364.88x1 lm		
NAME: AW01-24V-3535-18-3000-80-1540-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

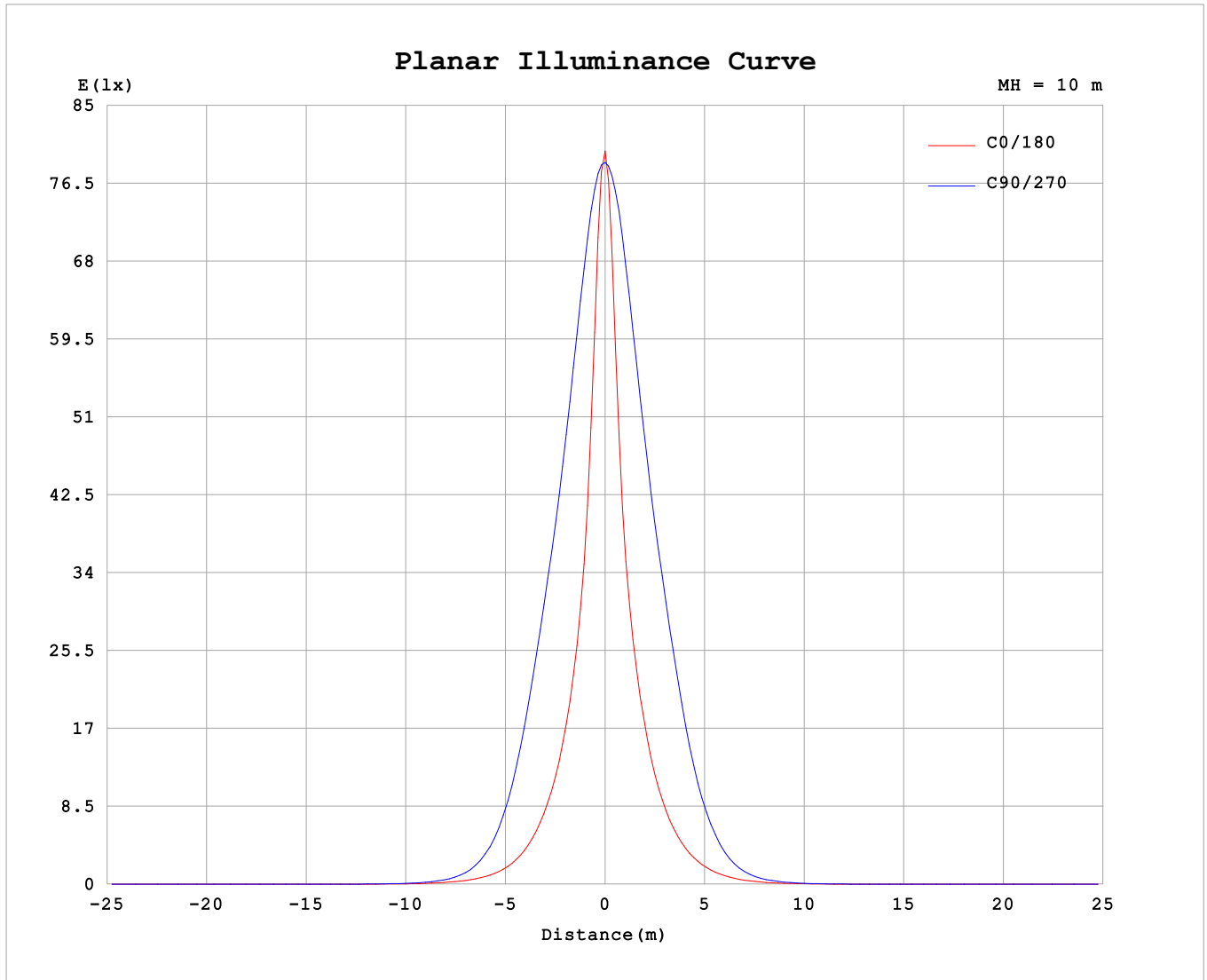
AvgL	cd/m2
L_0~180 (65) av	486
L_0~180 (75) av	724
L_0~180 (85) av	1881
L_90~270 (65) av	523
L_90~270 (75) av	726
L_90~270 (85) av	1917
L_45 (65) av	511
L_45 (75) av	739
L_45 (85) av	1923

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-09-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.350m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: Cloud
 Test Date: 2024-09-23

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity: 65.0%
 Test Distance: 6.350m [K=1.0000]
 Remarks:

Test:U:24.000V I:1.4481A P:34.754W PF:1.0000 Freq:0Hz Lamp Flux:1364.88x1 lm		
NAME: AW01-24V-3535-18-3000-80-1540-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

UNIT: cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.350m [K=1.0000]
Remarks:

```