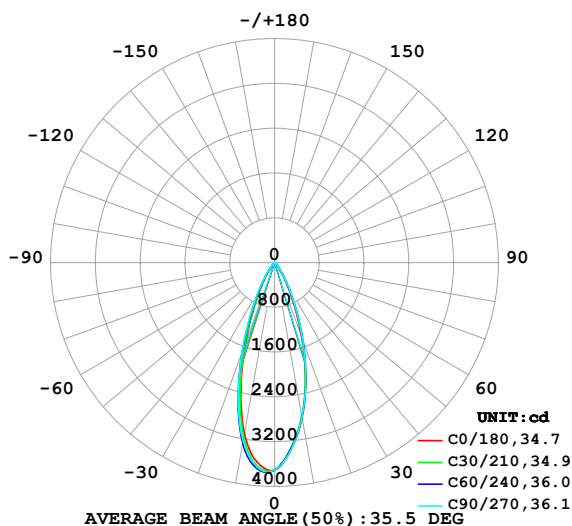


LUMINAIRE PHOTOMETRIC TEST REPORT

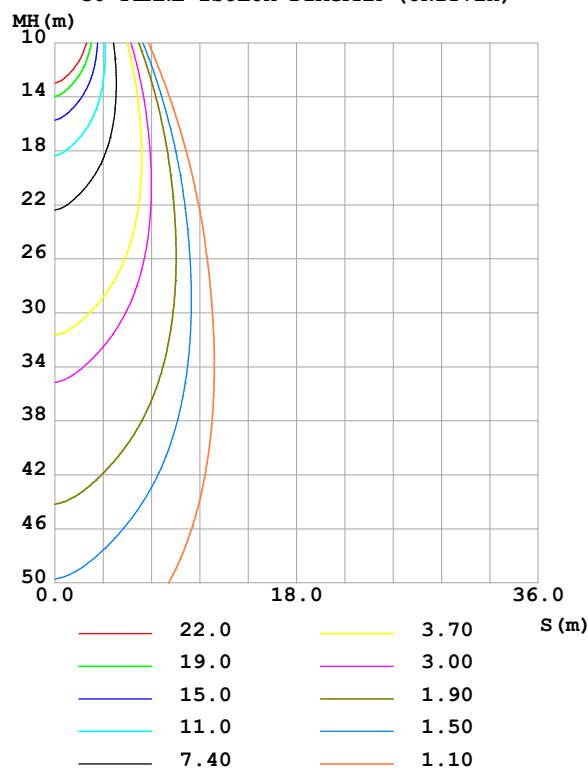
Test:U:24.000V I:1.4509A P:34.822W PF:1.0000 Freq:0Hz Lamp Flux:1571.73x1 lm		
NAME: AW01-24V-3535-18-3000-80-40-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 45.14 lm/W
MODEL		Imax (cd)	3746	S/MH (C0/180)	0.58	
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.62	
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1571.7	η UP, DN (C0-180)	0.0, 47.8	
NOMINAL FLUX (lm)	1571.73	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 52.2	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE (V)		η down (%)	100.0	CIBSE SHR MAX	0.60	

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	2823	2804	2809	2918	3110	3232	3244	3068	0- 10	317.9	317.9	20.2,20.2
20	1409	1461	1480	1461	1515	1630	1710	1625	10- 20	625.6	943.5	60,60
30	425.6	471.3	491.6	446.0	434.4	483.2	549.7	513.1	20- 30	420.8	1364	86.8,86.8
40	84.72	101.7	111.9	92.27	81.03	94.93	117.6	107.0	30- 40	151.3	1516	96.4,96.4
50	13.59	15.93	18.79	13.59	12.12	12.08	17.12	15.05	40- 50	33.45	1549	98.6,98.6
60	6.131	6.767	6.648	6.458	5.499	5.660	5.790	6.113	50- 60	7.890	1557	99.1,99.1
70	5.060	5.106	5.071	5.123	4.441	4.537	4.641	4.600	60- 70	5.290	1562	99.4,99.4
80	4.654	4.553	4.551	4.673	4.113	4.195	4.307	4.199	70- 80	4.860	1567	99.7,99.7
90	4.217	4.236	4.329	4.361	3.970	4.093	4.223	4.090	80- 90	4.667	1572	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): 1539.3 lm

%lum = 97.9%

%lamp = 97.9%

Conical surface Flux(130deg): 1559.7 lm

%lum = 99.2%

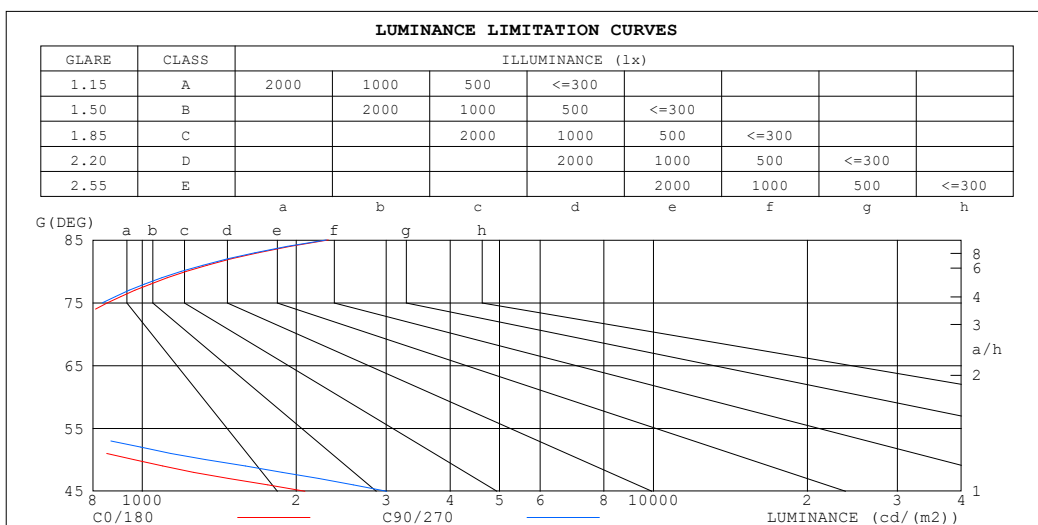
%lamp = 99.2%

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:1.4509A P:34.822W PF:1.0000 Freq:0Hz Lamp Flux:1571.73x1 lm		
NAME: AW01-24V-3535-18-3000-80-40-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



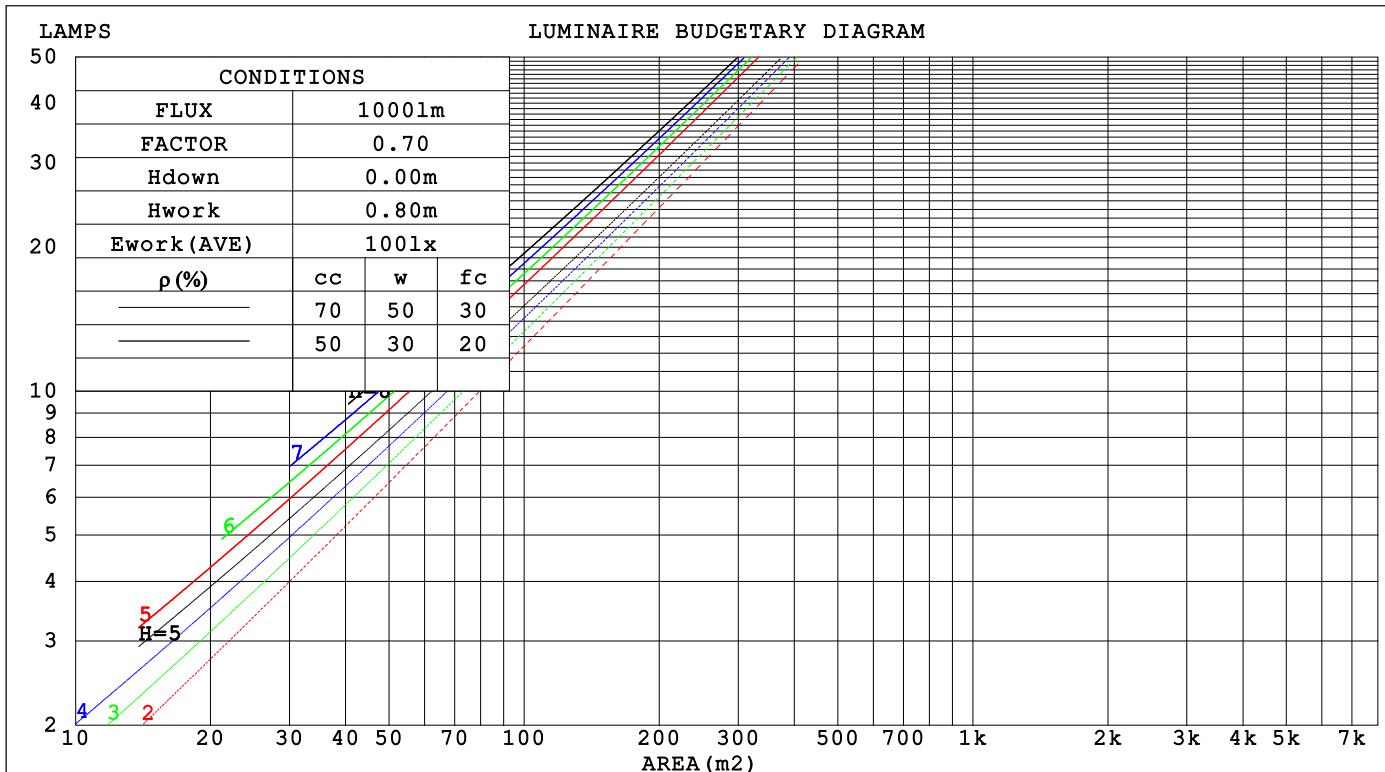
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: Cloud
Test Date: 2024-09-23

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.000V I:1.4509A P:34.822W PF:1.0000 Freq:0Hz Lamp Flux:1571.73x1 lm		
NAME: AW01-24V-3535-18-3000-80-40-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0														
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
p _{fc}	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	1.09	1.07	1.10	1.08	1.06	1.05	1.04	1.02	1.02	1.01	.99	.98	.97	.97	.95														
2.0	1.05	1.02	.99	1.04	1.00	.98	1.00	.98	.95	.97	.95	.93	.95	.93	.92	.90														
3.0	.99	.95	.92	.98	.94	.91	.96	.92	.90	.93	.91	.88	.91	.89	.87	.85														
4.0	.94	.90	.86	.93	.89	.86	.91	.88	.85	.89	.86	.84	.88	.85	.83	.81														
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.86	.82	.79	.84	.81	.79	.77														
6.0	.86	.81	.77	.85	.80	.77	.83	.79	.76	.82	.78	.76	.81	.78	.75	.74														
7.0	.82	.77	.73	.81	.76	.73	.80	.76	.73	.79	.75	.72	.78	.74	.72	.71														
8.0	.78	.73	.70	.78	.73	.70	.77	.72	.69	.76	.72	.69	.75	.71	.69	.68														
9.0	.75	.70	.67	.75	.70	.67	.74	.69	.66	.73	.69	.66	.72	.69	.66	.65														
10.0	.72	.67	.64	.72	.67	.64	.71	.67	.64	.70	.66	.63	.70	.66	.63	.62														



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:1.4509A P:34.822W PF:1.0000 Freq:0Hz Lamp Flux:1571.73x1 lm		
NAME: AW01-24V-3535-18-3000-80-40-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	.161	.091	.029	.154	.088	.028	.141	.081	.026	.130	.075	.024	.119	.069	.022		
2.0	.150	.082	.025	.145	.080	.025	.134	.075	.023	.125	.070	.022	.116	.065	.021		
3.0	.141	.075	.022	.136	.073	.022	.128	.069	.021	.119	.065	.020	.112	.062	.019		
4.0	.133	.069	.020	.129	.068	.020	.122	.064	.019	.115	.062	.019	.108	.059	.018		
5.0	.126	.064	.019	.123	.063	.018	.116	.061	.018	.110	.058	.017	.105	.056	.017		
6.0	.120	.060	.017	.117	.059	.017	.111	.057	.017	.106	.055	.016	.101	.053	.016		
7.0	.114	.057	.016	.112	.056	.016	.107	.054	.016	.102	.052	.015	.098	.051	.015		
8.0	.109	.053	.015	.107	.053	.015	.103	.051	.015	.098	.050	.014	.095	.049	.014		
9.0	.105	.051	.014	.103	.050	.014	.099	.049	.014	.095	.048	.014	.092	.047	.013		
10.0	.101	.048	.013	.099	.048	.013	.095	.047	.013	.092	.046	.013	.089	.045	.013		

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	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016		
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.069	.052	.046	.041	.017	.015	.013		
3.0	.140	.113	.093	.120	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011		
4.0	.128	.098	.076	.110	.085	.066	.076	.059	.046	.044	.035	.027	.014	.011	.009		
5.0	.119	.086	.063	.102	.075	.055	.070	.052	.039	.041	.031	.023	.013	.010	.008		
6.0	.111	.077	.053	.095	.067	.046	.066	.047	.032	.038	.027	.019	.012	.009	.006		
7.0	.104	.069	.045	.089	.060	.039	.062	.042	.028	.036	.025	.016	.012	.008	.005		
8.0	.097	.062	.038	.084	.054	.034	.058	.038	.024	.034	.022	.014	.011	.007	.005		
9.0	.092	.057	.033	.079	.050	.029	.055	.035	.021	.032	.021	.012	.010	.007	.004		
10.0	.087	.053	.029	.075	.046	.026	.052	.032	.018	.031	.019	.011	.010	.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:1.4509A P:34.822W PF:1.0000 Freq:0Hz Lamp Flux:1571.73x1 lm										
NAME: AW01-24V-3535-18-3000-80-40-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	7.6	8.4	7.8	8.6	8.8	8.6	9.4	8.9	9.6	9.8
3H	7.6	8.4	7.9	8.6	8.7	8.6	9.3	8.8	9.5	9.7
4H	7.7	8.4	8.0	8.6	8.8	8.6	9.3	8.9	9.5	9.8
6H	7.9	8.5	8.2	8.8	9.0	8.7	9.4	9.0	9.6	9.9
8H	8.0	8.7	8.4	8.9	9.2	8.9	9.5	9.2	9.7	10.0
12H	8.3	8.9	8.6	9.2	9.5	9.1	9.7	9.4	9.9	10.2
4H 2H	7.5	8.2	7.7	8.4	8.6	8.4	9.1	8.7	9.4	9.6
3H	7.5	8.1	7.8	8.4	8.7	8.4	9.1	8.8	9.3	9.6
4H	7.7	8.2	8.0	8.5	8.8	8.5	9.1	8.9	9.4	9.7
6H	8.0	8.5	8.4	8.8	9.2	8.8	9.3	9.1	9.6	9.9
8H	8.3	8.8	8.7	9.1	9.5	9.0	9.5	9.4	9.8	10.2
12H	8.8	9.2	9.2	9.6	10.0	9.4	9.8	9.8	10.2	10.5
8H 4H	7.7	8.1	8.1	8.5	8.9	8.5	9.0	8.9	9.3	9.7
6H	8.2	8.6	8.6	9.0	9.4	8.9	9.3	9.3	9.7	10.1
8H	8.7	9.0	9.1	9.4	9.9	9.3	9.6	9.7	10.0	10.4
12H	9.4	9.6	9.8	10.1	10.6	9.8	10.1	10.3	10.6	11.0
12H 4H	7.7	8.1	8.1	8.5	8.9	8.5	8.9	8.9	9.3	9.7
6H	8.3	8.6	8.7	9.0	9.5	8.9	9.3	9.4	9.7	10.1
8H	8.8	9.1	9.3	9.5	10.0	9.4	9.7	9.8	10.1	10.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.8 / - 2.1					+ 2.4 / - 2.7				
1.5H	+ 3.7 / - 2.0					+ 4.4 / - 2.6				
2.0H	+ 1.3 / - 0.4					+ 2.5 / - 0.7				

CIE Pub.117, 1572 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.6)
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:1.4509A P:34.822W PF:1.0000 Freq:0Hz Lamp Flux:1571.73x1 lm		
NAME: AW01-24V-3535-18-3000-80-40-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

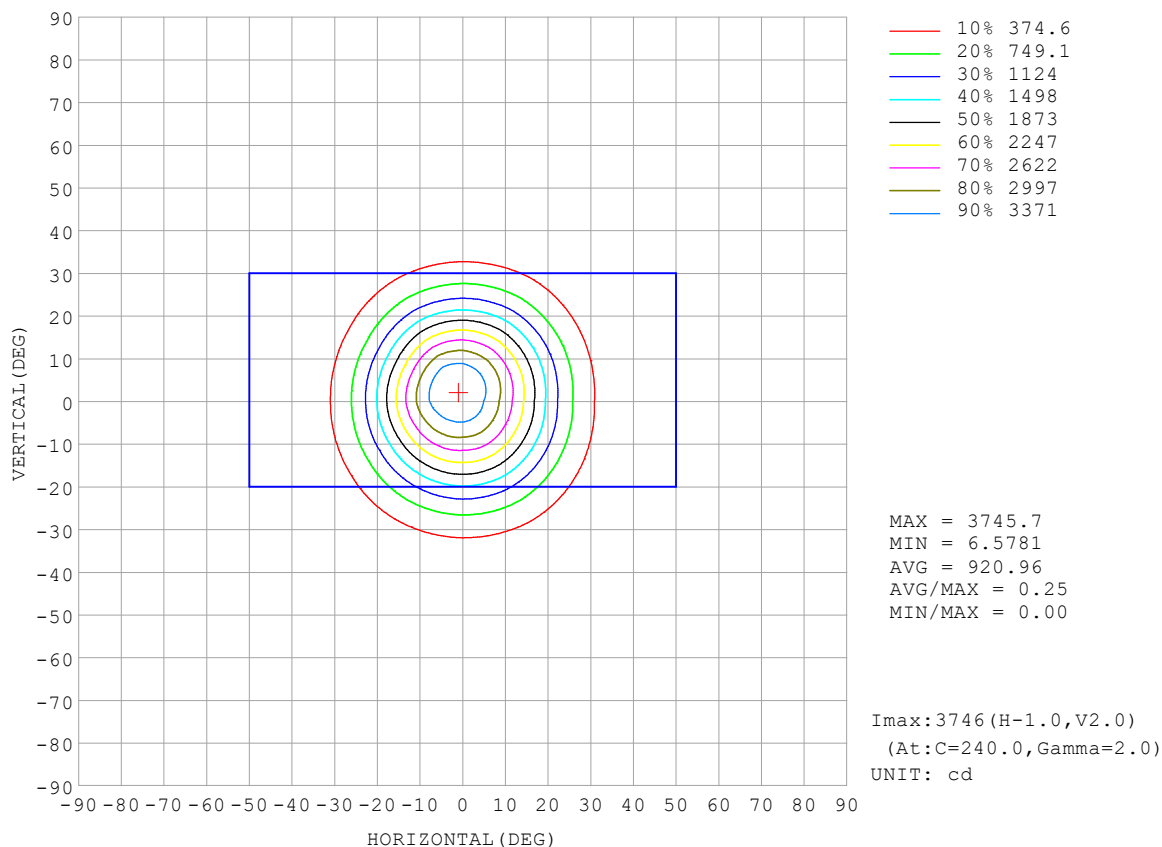
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	80	76
0.80	96	91	88	96	91	87	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	87
1.25	104	99	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	96
3.00	112	109	106	110	107	105	107	105	103	97
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	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:1.4509A P:34.822W PF:1.0000 Freq:0Hz Lamp Flux:1571.73x1 lm		
NAME: AW01-24V-3535-18-3000-80-40-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

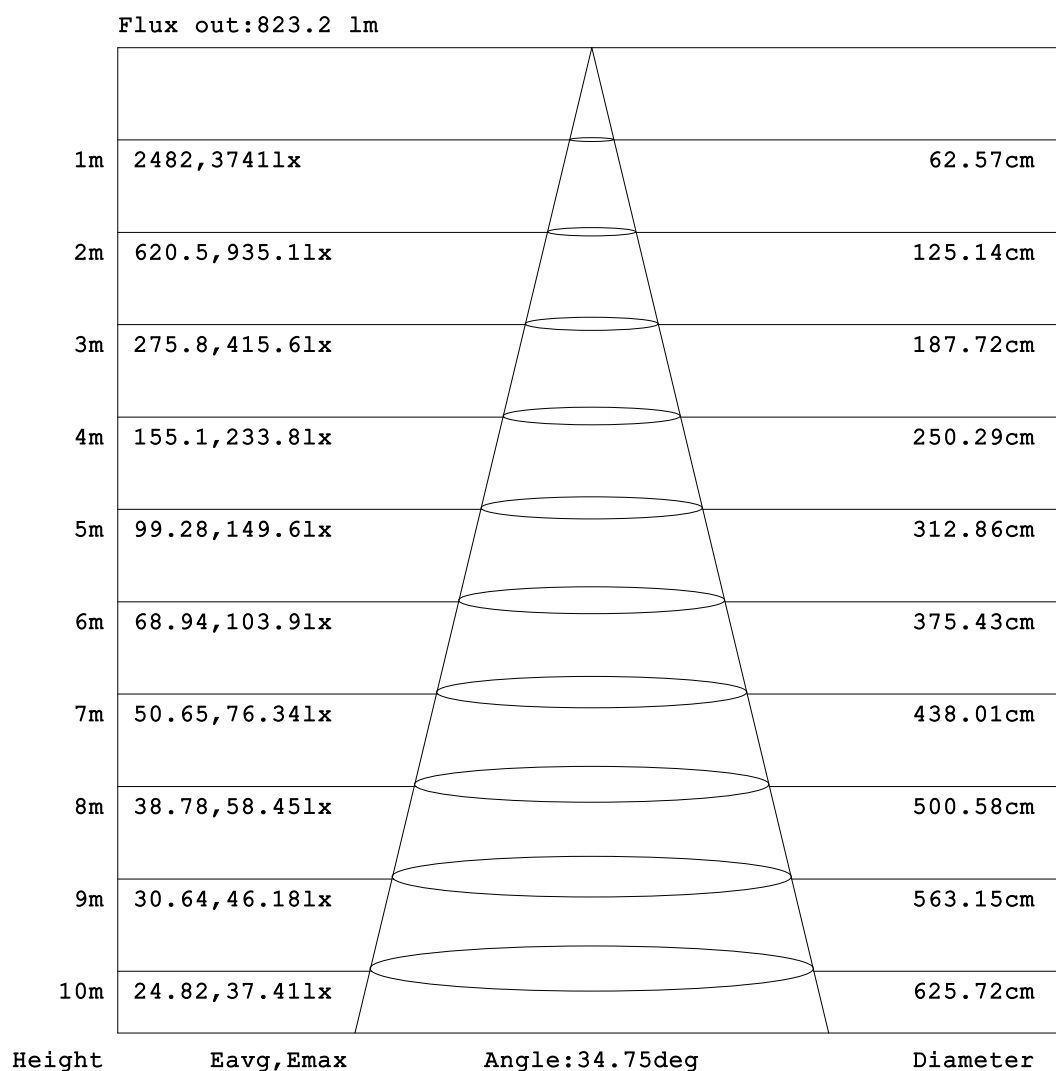


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Cloud
Test Date: 2024-09-23

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:

AAI Figure

Test:U:24.000V I:1.4509A P:34.822W PF:1.0000 Freq:0Hz Lamp Flux:1571.73x1 lm		
NAME: AW01-24V-3535-18-3000-80-40-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



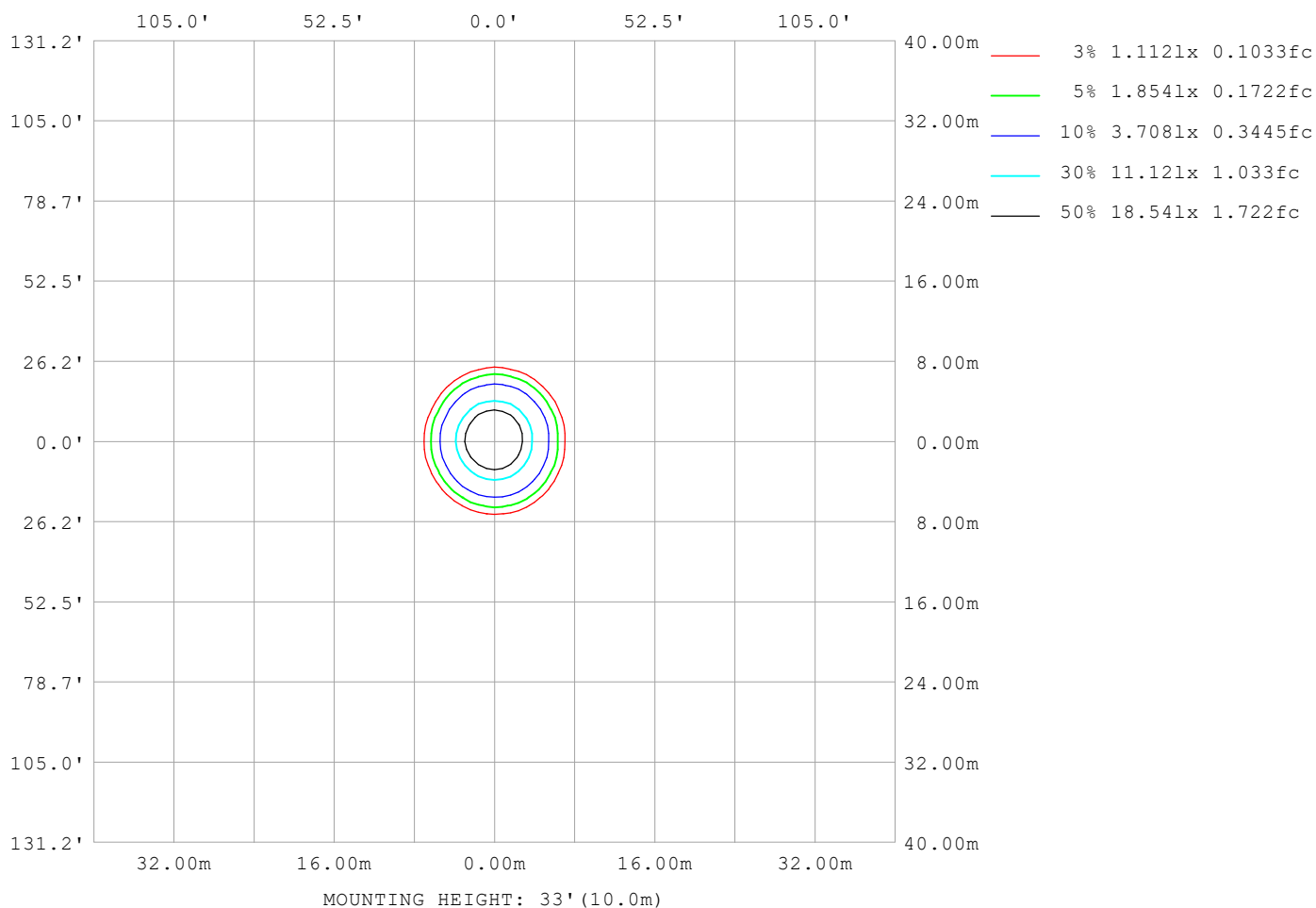
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:1.4509A P:34.822W PF:1.0000 Freq:0Hz Lamp Flux:1571.73x1 lm		
NAME: AW01-24V-3535-18-3000-80-40-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:1.4509A P:34.822W PF:1.0000 Freq:0Hz Lamp Flux:1571.73x1 lm		
NAME: AW01-24V-3535-18-3000-80-40-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

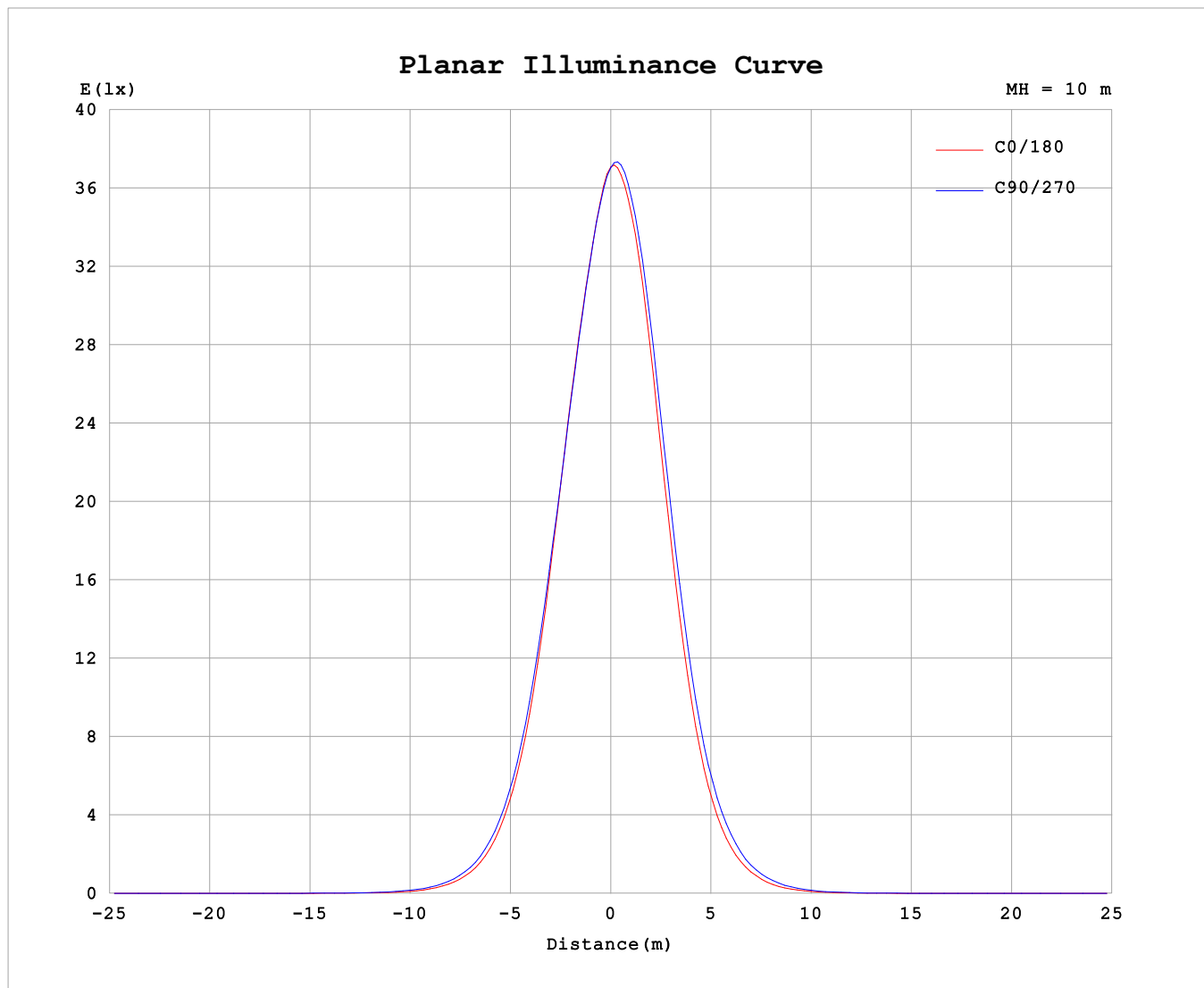
AvgL	cd/m2
L_0~180 (65) av	544
L_0~180 (75) av	802
L_0~180 (85) av	2197
L_90~270 (65) av	571
L_90~270 (75) av	807
L_90~270 (85) av	2247
L_45 (65) av	570
L_45 (75) av	806
L_45 (85) av	2227

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:1.4509A P:34.822W PF:1.0000 Freq:0Hz Lamp Flux:1571.73x1 lm		
NAME: AW01-24V-3535-18-3000-80-40-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:

```