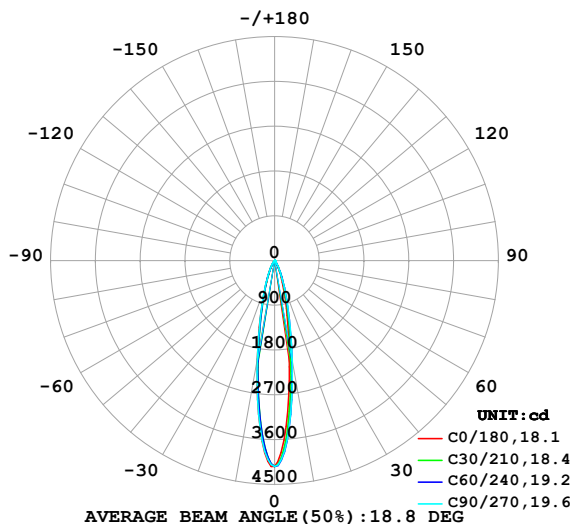


LUMINAIRE PHOTOMETRIC TEST REPORT

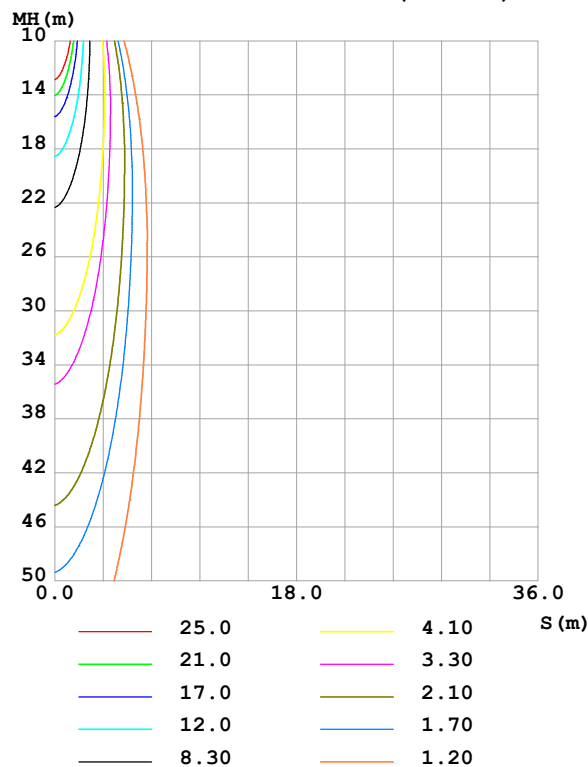
Test:U:24.000V I:0.9239A P:22.174W PF:1.0000 Freq:0Hz Lamp Flux:753.781x1 lm		
NAME: AW06-24V-3535-18-3000-80-24-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 33.99 lm/W
MODEL		Imax (cd)	4136	S/MH(C0/180)	0.33	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.33	
RATED VOLTAGE(V)		TOTAL FLUX(lm)	753.78	η UP,DN(C0-180)	0.0,49.4	
NOMINAL FLUX(lm)	753.781	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.6	
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℃
Operators:Cloud
Test Date:2024-09-24

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	1669	1940	2040	1901	2015	1919	2011	1983	0- 10	268.6	268.6	35.6,35.6
20	468.2	558.0	573.8	528.5	531.8	530.2	548.8	550.7	10- 20	289.1	557.6	74,74
30	113.1	139.1	154.5	133.9	141.5	135.2	150.8	139.9	20- 30	133.2	690.8	91.7,91.7
40	22.01	27.50	30.44	21.56	24.07	21.27	29.86	25.53	30- 40	41.75	732.6	97.2,97.2
50	6.277	6.890	6.724	6.203	6.112	5.797	6.169	6.902	40- 50	9.395	742.0	98.4,98.4
60	3.393	3.510	3.558	3.371	3.207	3.094	3.278	3.349	50- 60	4.036	746.0	99,99
70	2.832	2.760	2.692	2.788	2.452	2.434	2.520	2.481	60- 70	2.878	748.9	99.4,99.4
80	2.468	2.325	2.273	2.447	2.117	2.130	2.208	2.156	70- 80	2.578	751.5	99.7,99.7
90	1.990	1.946	1.947	2.038	1.956	1.978	2.040	1.989	80- 90	2.303	753.8	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): 738.65 lm

%lum = 98.0%

%lamp = 98.0%

Conical surface Flux(130deg): 747.52 lm

%lum = 99.2%

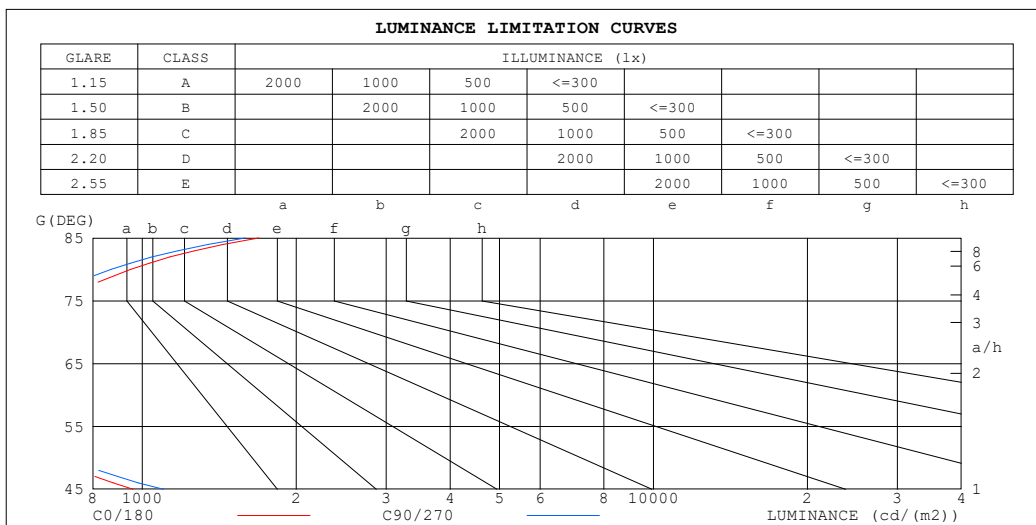
%lamp = 99.2%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:Cloud
 Test Date:2024-09-24

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:0.9239A P:22.174W PF:1.0000 Freq:0Hz Lamp Flux:753.781x1 lm		
NAME: AW06-24V-3535-18-3000-80-24-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1688	1591
80	949	869
75	692	634
70	553	523
65	475	473
60	453	472
55	502	535
50	652	694
45	959	1099

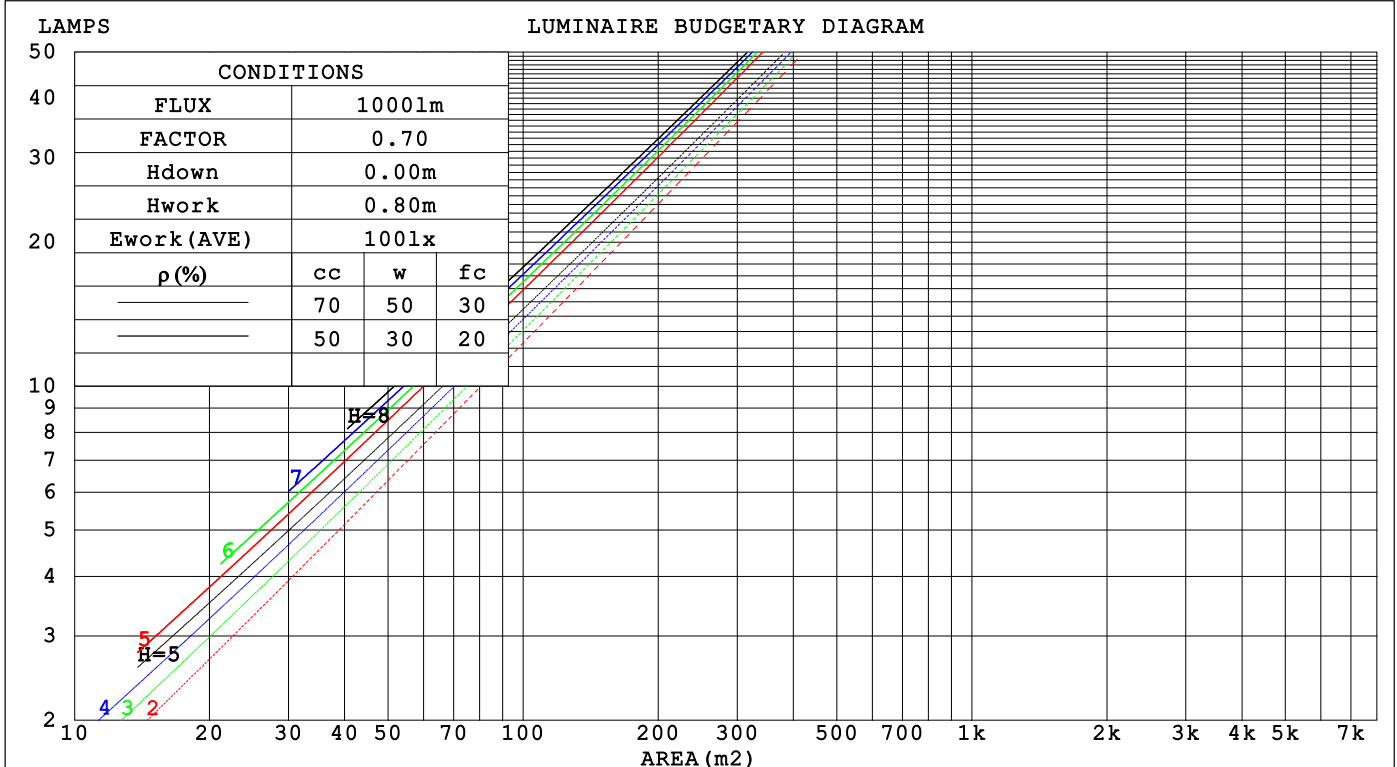
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-09-24

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:0.9239A P:22.174W PF:1.0000 Freq:0Hz Lamp Flux:753.781x1 lm		
NAME: AW06-24V-3535-18-3000-80-24-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-09-24

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:0.9239A P:22.174W PF:1.0000 Freq:0Hz Lamp Flux:753.781x1 lm		
NAME: AW06-24V-3535-18-3000-80-24-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	.146	.083	.026	.139	.079	.025	.126	.073	.023	.115	.066	.021	.105	.061	.020		
2.0	.134	.074	.023	.129	.071	.022	.118	.066	.020	.109	.061	.019	.100	.057	.018		
3.0	.125	.066	.020	.120	.064	.019	.112	.060	.018	.104	.057	.017	.096	.053	.016		
4.0	.117	.061	.018	.113	.059	.017	.106	.056	.017	.099	.053	.016	.093	.050	.015		
5.0	.110	.056	.016	.106	.055	.016	.100	.052	.015	.094	.050	.015	.089	.048	.014		
6.0	.104	.052	.015	.101	.051	.015	.095	.049	.014	.090	.047	.014	.086	.045	.013		
7.0	.098	.049	.014	.096	.048	.014	.091	.046	.013	.087	.045	.013	.083	.043	.013		
8.0	.094	.046	.013	.091	.045	.013	.087	.044	.012	.084	.042	.012	.080	.041	.012		
9.0	.089	.043	.012	.087	.043	.012	.084	.041	.012	.080	.040	.012	.077	.039	.011		
10.0	.086	.041	.011	.084	.040	.011	.081	.039	.011	.078	.039	.011	.075	.038	.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	.151	.133	.117	.130	.114	.101	.089	.079	.071	.051	.046	.041	.016	.015	.013		
3.0	.136	.113	.095	.117	.098	.082	.080	.068	.058	.046	.040	.034	.015	.013	.011		
4.0	.124	.098	.078	.107	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009		
5.0	.114	.086	.065	.098	.074	.057	.067	.052	.040	.039	.030	.024	.013	.010	.008		
6.0	.105	.076	.055	.090	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007		
7.0	.097	.068	.047	.084	.059	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006		
8.0	.091	.061	.040	.078	.053	.035	.054	.037	.025	.032	.022	.015	.010	.007	.005		
9.0	.085	.055	.035	.074	.048	.031	.051	.034	.022	.030	.020	.013	.010	.007	.004		
10.0	.080	.051	.031	.069	.044	.027	.048	.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:2024-09-24

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:0.9239A P:22.174W PF:1.0000 Freq:0Hz Lamp Flux:753.781x1 lm										
NAME: AW06-24V-3535-18-3000-80-24-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	5.6	6.3	5.8	6.4	6.6	6.8	7.4	7.0	7.6	7.7
3H	6.0	6.6	6.2	6.8	7.0	6.9	7.6	7.2	7.8	8.0
4H	6.3	6.9	6.6	7.2	7.4	7.2	7.8	7.4	8.0	8.2
6H	6.9	7.5	7.2	7.8	8.0	7.6	8.1	7.9	8.4	8.6
8H	7.4	7.9	7.7	8.2	8.4	7.9	8.4	8.2	8.7	8.9
12H	7.9	8.5	8.2	8.7	9.0	8.3	8.8	8.6	9.1	9.4
4H 2H	5.6	6.2	5.8	6.4	6.6	6.7	7.3	6.9	7.5	7.7
3H	6.1	6.7	6.4	6.9	7.2	7.0	7.5	7.3	7.8	8.1
4H	6.7	7.2	7.0	7.5	7.8	7.4	7.9	7.7	8.2	8.5
6H	7.6	8.0	8.0	8.4	8.7	8.0	8.5	8.4	8.8	9.1
8H	8.2	8.6	8.6	9.0	9.3	8.5	8.9	8.9	9.2	9.6
12H	9.0	9.3	9.4	9.7	10.1	9.1	9.5	9.5	9.9	10.2
8H 4H	6.9	7.3	7.3	7.7	8.0	7.5	8.0	7.9	8.3	8.7
6H	8.1	8.4	8.5	8.8	9.2	8.4	8.8	8.9	9.2	9.6
8H	8.9	9.2	9.3	9.6	10.0	9.1	9.4	9.5	9.8	10.2
12H	9.9	10.2	10.4	10.6	11.1	10.0	10.2	10.4	10.7	11.1
12H 4H	7.0	7.4	7.4	7.7	8.1	7.6	8.0	8.0	8.3	8.7
6H	8.2	8.5	8.7	9.0	9.4	8.6	8.9	9.0	9.3	9.7
8H	9.1	9.4	9.6	9.8	10.3	9.3	9.6	9.8	10.0	10.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.8 / - 0.7					+ 1.4 / - 1.1				
1.5H	+ 1.7 / - 0.6					+ 2.9 / - 1.0				
2.0H	+ 0.4 / - 0.2					+ 0.5 / - 0.3				

CIE Pub.117, 753.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.0)
Area: 0.015 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-09-24

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:0.9239A P:22.174W PF:1.0000 Freq:0Hz Lamp Flux:753.781x1 lm		
NAME: AW06-24V-3535-18-3000-80-24-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

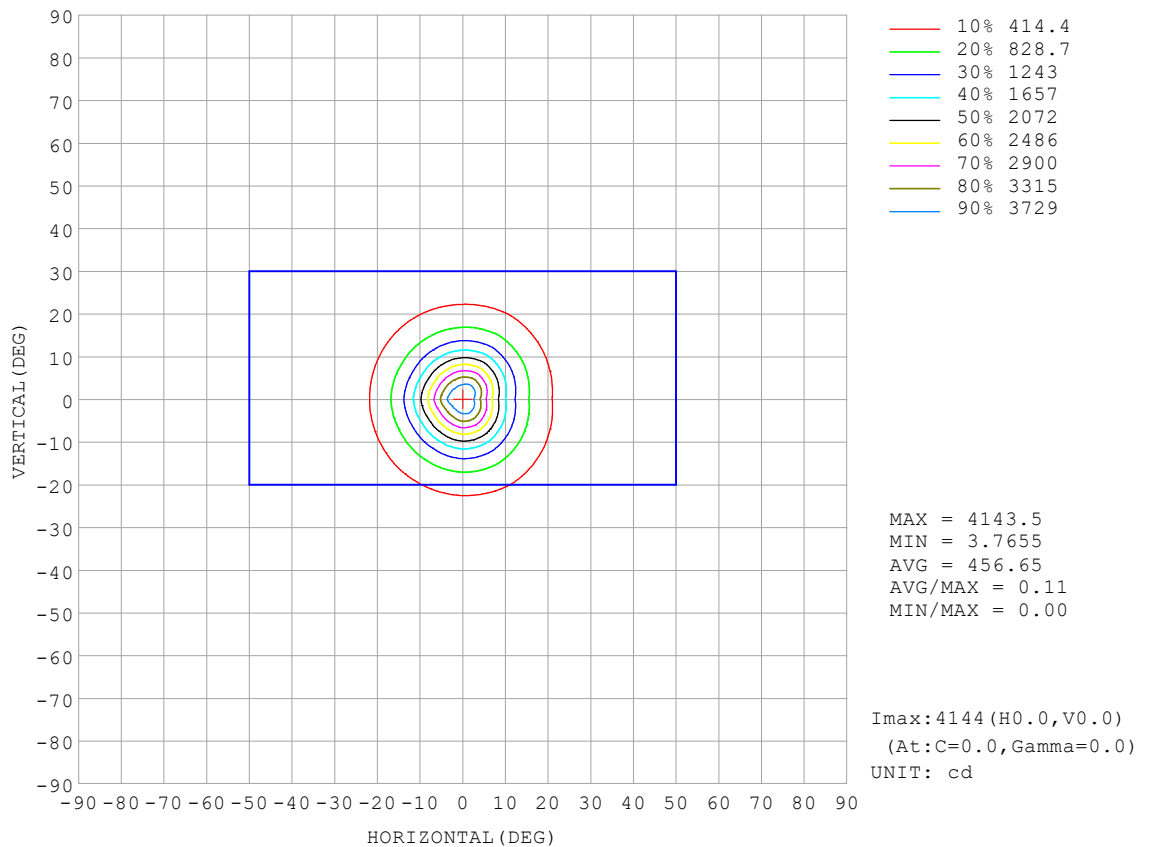
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	80	89	84	80	89	83	80	77
0.80	97	91	88	96	91	88	95	91	88	84
1.00	101	96	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	104	100	98	94
2.00	109	105	102	108	104	101	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℃
Operators:Cloud
Test Date:2024-09-24

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:0.9239A P:22.174W PF:1.0000 Freq:0Hz Lamp Flux:753.781x1 lm		
NAME: AW06-24V-3535-18-3000-80-24-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

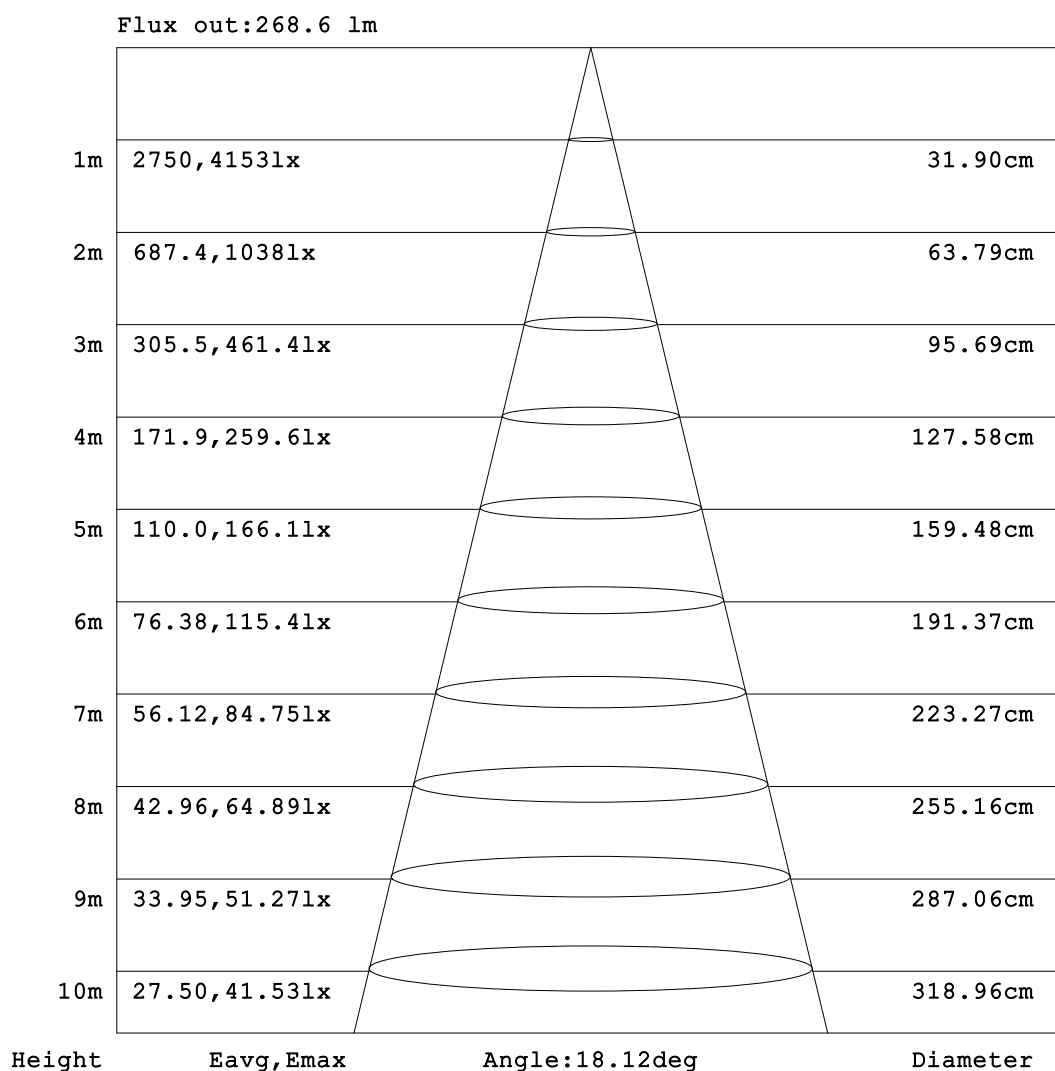


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-09-24

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:0.9239A P:22.174W PF:1.0000 Freq:0Hz Lamp Flux:753.781lx 1m		
NAME: AW06-24V-3535-18-3000-80-24-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



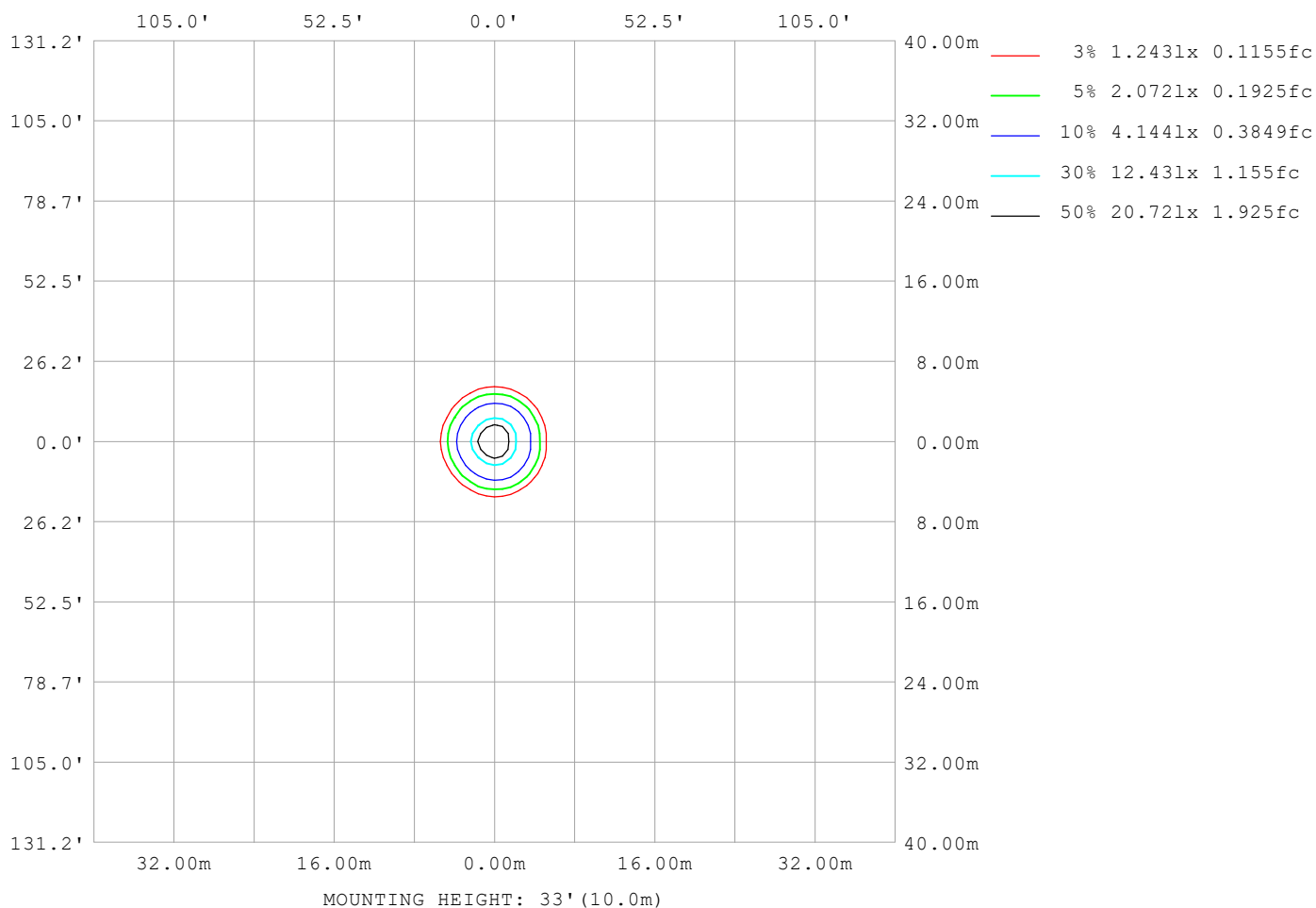
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-09-24

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:0.9239A P:22.174W PF:1.0000 Freq:0Hz Lamp Flux:753.78lx1 lm		
NAME: AW06-24V-3535-18-3000-80-24-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:2024-09-24

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:0.9239A P:22.174W PF:1.0000 Freq:0Hz Lamp Flux:753.781x1 lm		
NAME: AW06-24V-3535-18-3000-80-24-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

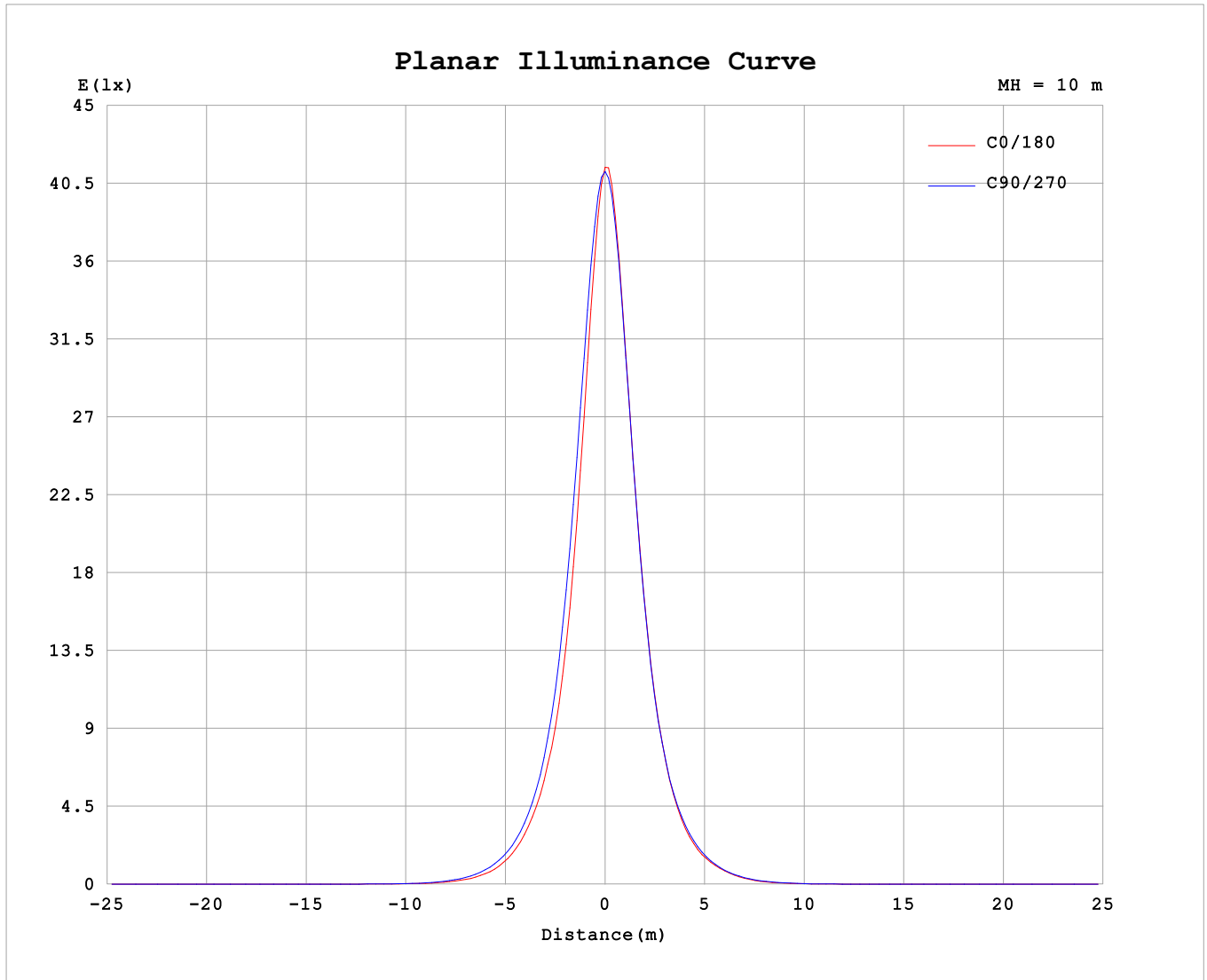
AvgL	cd/m2
L_0~180 (65) av	453
L_0~180 (75) av	637
L_0~180 (85) av	1611
L_90~270 (65) av	457
L_90~270 (75) av	621
L_90~270 (85) av	1607
L_45 (65) av	451
L_45 (75) av	627
L_45 (85) av	1609

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:Cloud
 Test Date:2024-09-24

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: 2024-09-24

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:0.9239A P:22.174W PF:1.0000 Freq:0Hz Lamp Flux:753.781x1 lm		
NAME: AW06-24V-3535-18-3000-80-24-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:

```