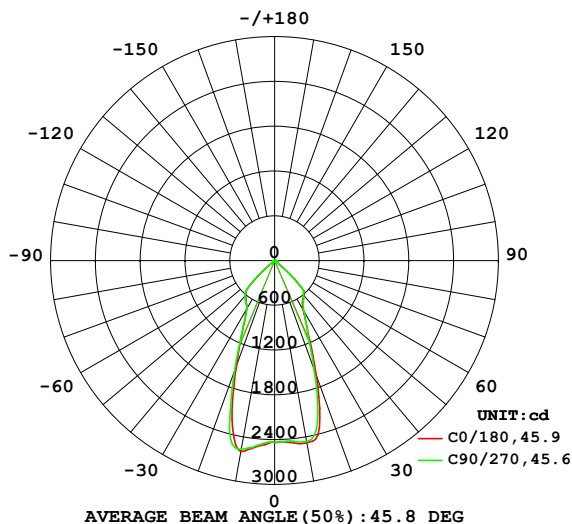


LUMINAIRE PHOTOMETRIC TEST REPORT

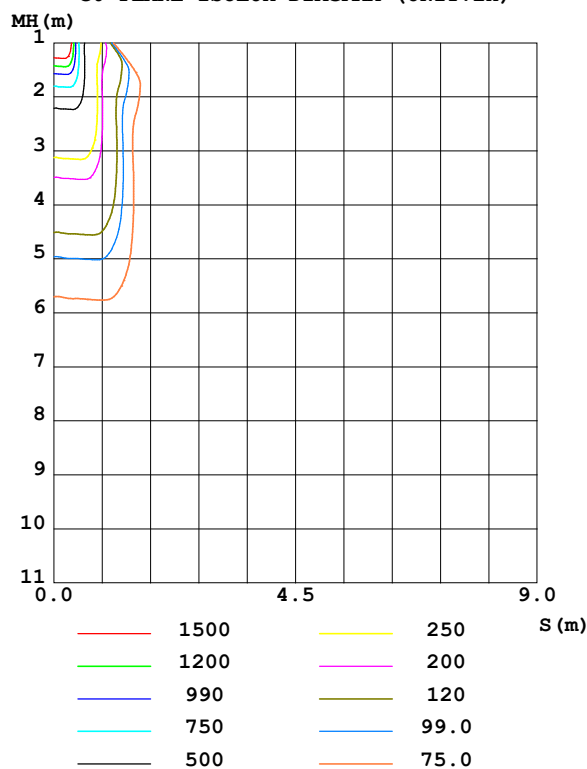
Test:U:240.53V I:0.1060A P:24.567W PF:0.9639 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2171.25x1 lm		
Name: LED-SN25W-CC	Type: 25W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.:
MFR.: EVERFINE	SUR.: 0.0535	shielding angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.38 lm/W			
MODEL	LED-SN25W-CC	I _{max} (cd)	2775	S/MH(C0/180)	0.73
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.75
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2171.3	η UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	2171.25	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	240	η down (%)	100.0	CIBSE SHR MAX	0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2024-01-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.780m [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	2594	2775	2567	2513	2476	2630	2462	2509	0- 10	239.5	239.5	11,11
20	1503	1544	1573	1644	1641	1559	1554	1486	10- 20	605.7	845.2	38.9,38.9
30	754.2	761.6	743.7	752.6	775.8	781.7	788.9	766.2	20- 30	488.5	1334	61.4,61.4
40	607.3	612.1	618.4	619.6	609.3	606.5	605.7	595.2	30- 40	421.7	1755	80.8,80.8
50	108.4	111.9	101.6	110.9	135.4	129.5	119.8	107.8	40- 50	331.1	2086	96.1,96.1
60	27.19	27.03	24.20	24.90	25.83	28.28	29.28	27.55	50- 60	31.56	2118	97.5,97.5
70	26.70	25.03	24.74	25.69	27.15	27.35	28.49	27.81	60- 70	26.59	2145	98.8,98.8
80	10.72	11.14	9.189	10.26	9.849	13.37	13.09	13.43	70- 80	20.59	2165	99.7,99.7
90	0.0545	0.0727	0.0607	0.0608	0.0908	0.2122	0.1397	0.1946	80- 90	6.119	2171	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): 1965.9 lm

%lum = 90.5%

%lamp = 90.5%

Conical surface Flux(120deg): 2118 lm

%lum = 97.5%

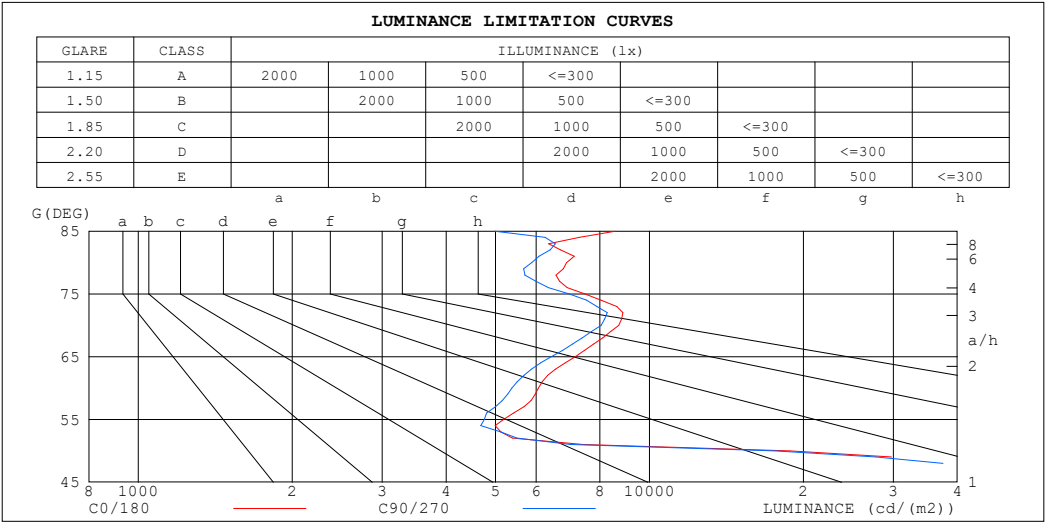
%lamp = 97.5%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-01-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.780m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.53V I:0.1060A P:24.567W PF:0.9639 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0Lamp Flux:2171.25x1 lm		
Name: LED-SN25W-CC	Type: 25W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.:
MFR.: EVERFINE	SUR.: 0.0535	shielding angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	8562	4989
80	6886	5882
75	7480	6970
70	8706	8040
65	7151	6425
60	6065	5379
55	5178	4750
50	18806	17562
45	74954	75912

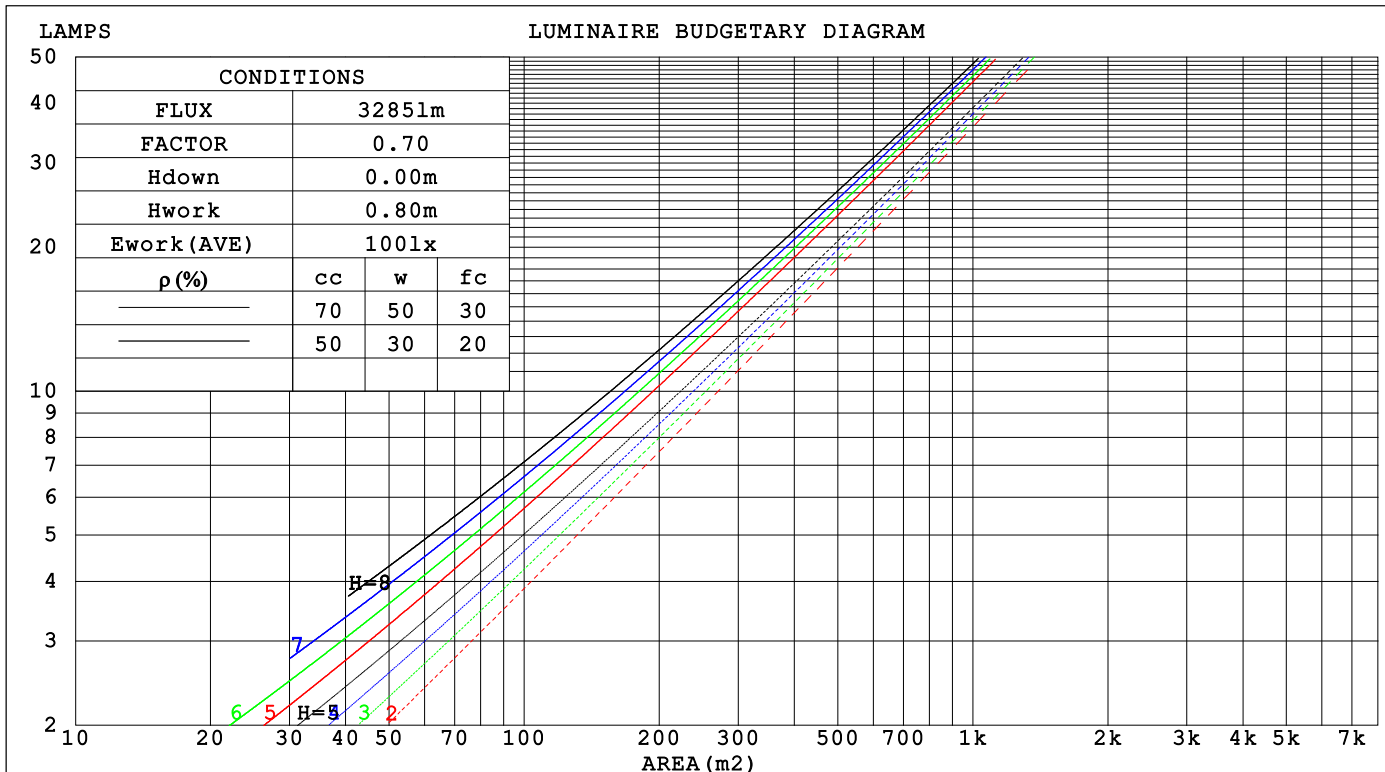
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2024-01-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.780m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.53V I:0.1060A P:24.567W PF:0.9639 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2171.25x1 lm		
Name: LED-SN25W-CC	Type: 25W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.:
MFR.: EVERFINE	SUR.: 0.0535	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	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	.00	.00	.98	.97	.96	.95	.94	.92														
2.0	1.01	.97	.93	.00	.96	.92	.96	.93	.90	.93	.91	.88	.91	.88	.87	.85														
3.0	.94	.89	.84	.93	.88	.84	.90	.86	.82	.87	.84	.81	.85	.82	.80	.78														
4.0	.87	.81	.77	.86	.81	.76	.84	.79	.75	.82	.78	.75	.80	.77	.74	.72														
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.77	.72	.69	.75	.71	.68	.67														
6.0	.76	.70	.65	.75	.69	.65	.74	.68	.64	.72	.67	.64	.71	.67	.63	.62														
7.0	.71	.65	.60	.70	.64	.60	.69	.64	.60	.68	.63	.59	.67	.62	.59	.58														
8.0	.67	.61	.56	.66	.60	.56	.65	.60	.56	.64	.59	.56	.63	.59	.55	.54														
9.0	.63	.57	.53	.62	.57	.53	.62	.56	.52	.61	.56	.52	.60	.55	.52	.51														
10.0	.59	.53	.49	.59	.53	.49	.58	.53	.49	.57	.52	.49	.57	.52	.49	.48														



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2024-01-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.780m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:240.53V I:0.1060A P:24.567W PF:0.9639 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2171.25x1 lm		
Name: LED-SN25W-CC	Type: 25W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.:
MFR.: EVERFINE	SUR.: 0.0535	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	.194	.110	.035	.187	.107	.034	.175	.100	.032	.163	.094	.030	.152	.088	.028		
2.0	.186	.102	.031	.180	.099	.031	.169	.094	.029	.159	.089	.028	.150	.085	.027		
3.0	.176	.094	.028	.171	.092	.028	.162	.088	.027	.154	.084	.026	.146	.081	.025		
4.0	.167	.087	.026	.163	.085	.025	.155	.082	.025	.148	.079	.024	.141	.076	.023		
5.0	.159	.081	.023	.155	.080	.023	.148	.077	.023	.142	.075	.022	.135	.072	.022		
6.0	.151	.076	.022	.148	.075	.021	.141	.073	.021	.136	.071	.021	.130	.069	.020		
7.0	.144	.071	.020	.141	.070	.020	.135	.068	.020	.130	.067	.019	.125	.065	.019		
8.0	.137	.067	.019	.134	.066	.019	.129	.065	.018	.125	.063	.018	.120	.062	.018		
9.0	.131	.063	.018	.128	.063	.018	.124	.061	.017	.120	.060	.017	.116	.059	.017		
10.0	.125	.060	.017	.123	.059	.017	.119	.058	.016	.115	.057	.016	.112	.056	.016		

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	.172	.157	.144	.147	.135	.124	.101	.093	.085	.058	.054	.050	.019	.017	.016		
2.0	.158	.132	.111	.135	.114	.096	.093	.079	.067	.054	.046	.039	.017	.015	.013		
3.0	.146	.114	.088	.126	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010		
4.0	.137	.099	.071	.117	.086	.061	.081	.060	.043	.047	.035	.026	.015	.011	.008		
5.0	.128	.088	.058	.110	.076	.050	.076	.053	.036	.044	.031	.021	.014	.010	.007		
6.0	.121	.079	.048	.104	.068	.042	.072	.048	.030	.042	.028	.018	.013	.009	.006		
7.0	.115	.071	.041	.099	.062	.036	.068	.043	.025	.040	.025	.015	.013	.008	.005		
8.0	.109	.065	.035	.094	.056	.030	.065	.040	.022	.038	.023	.013	.012	.008	.004		
9.0	.104	.060	.030	.089	.052	.026	.062	.037	.019	.036	.022	.011	.012	.007	.004		
10.0	.099	.056	.027	.085	.048	.023	.059	.034	.017	.035	.020	.010	.011	.007	.003		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2024-01-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.780m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.53V I:0.1060A P:24.567W PF:0.9639 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0Lamp Flux:2171.25x1 lm											
Name: LED-SN25W-CC					Type: 25W			Weight:			
SPEC.: 3000K					DIM.:			Instrument No.:			
MFR.: EVERFINE					SUR.: 0.0535			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	2H	22.2	23.2	22.4	23.4	23.6	22.2	23.2	22.4	23.4	23.5
	3H	22.2	23.1	22.4	23.3	23.5	22.1	23.1	22.4	23.3	23.5
	4H	22.2	23.1	22.5	23.3	23.5	22.1	23.0	22.4	23.2	23.5
	6H	22.2	23.0	22.5	23.3	23.5	22.1	22.9	22.4	23.2	23.4
	8H	22.2	23.0	22.5	23.2	23.5	22.1	22.9	22.4	23.2	23.4
	12H	22.2	22.9	22.5	23.2	23.5	22.1	22.8	22.4	23.1	23.4
4H	2H	22.0	22.9	22.3	23.1	23.3	21.9	22.8	22.2	23.1	23.3
	3H	22.0	22.8	22.4	23.1	23.4	22.0	22.8	22.3	23.0	23.3
	4H	22.1	22.8	22.5	23.1	23.4	22.0	22.7	22.4	23.0	23.4
	6H	22.2	22.8	22.5	23.1	23.5	22.1	22.7	22.4	23.0	23.4
	8H	22.2	22.7	22.6	23.1	23.5	22.1	22.6	22.5	23.0	23.4
	12H	22.2	22.7	22.6	23.1	23.5	22.1	22.6	22.5	23.0	23.4
8H	4H	22.1	22.6	22.5	23.0	23.4	22.0	22.6	22.4	22.9	23.3
	6H	22.2	22.6	22.6	23.0	23.4	22.1	22.5	22.5	22.9	23.3
	8H	22.2	22.6	22.6	23.0	23.5	22.1	22.5	22.6	22.9	23.4
	12H	22.3	22.6	22.7	23.1	23.5	22.1	22.5	22.6	22.9	23.4
12H	4H	22.0	22.5	22.4	22.9	23.3	22.0	22.5	22.4	22.9	23.2
	6H	22.1	22.5	22.6	23.0	23.4	22.0	22.5	22.5	22.9	23.3
	8H	22.2	22.6	22.7	23.0	23.5	22.1	22.5	22.6	22.9	23.4
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 2.8 / - 5.0					+ 2.8 / - 5.2				
1.5H		+ 2.4 / - 6.2					+ 2.5 / - 6.5				
2.0H		+ 6.7 / - 3.9					+ 6.8 / - 4.2				

CIE Pub.117, 2171 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.7)
Area: 0.008987 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2024-01-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.780m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.53V I:0.1060A P:24.567W PF:0.9639 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2171.25x1 lm		
Name: LED-SN25W-CC	Type: 25W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.:
MFR.: EVERFINE	SUR.: 0.0535	shielding angle:

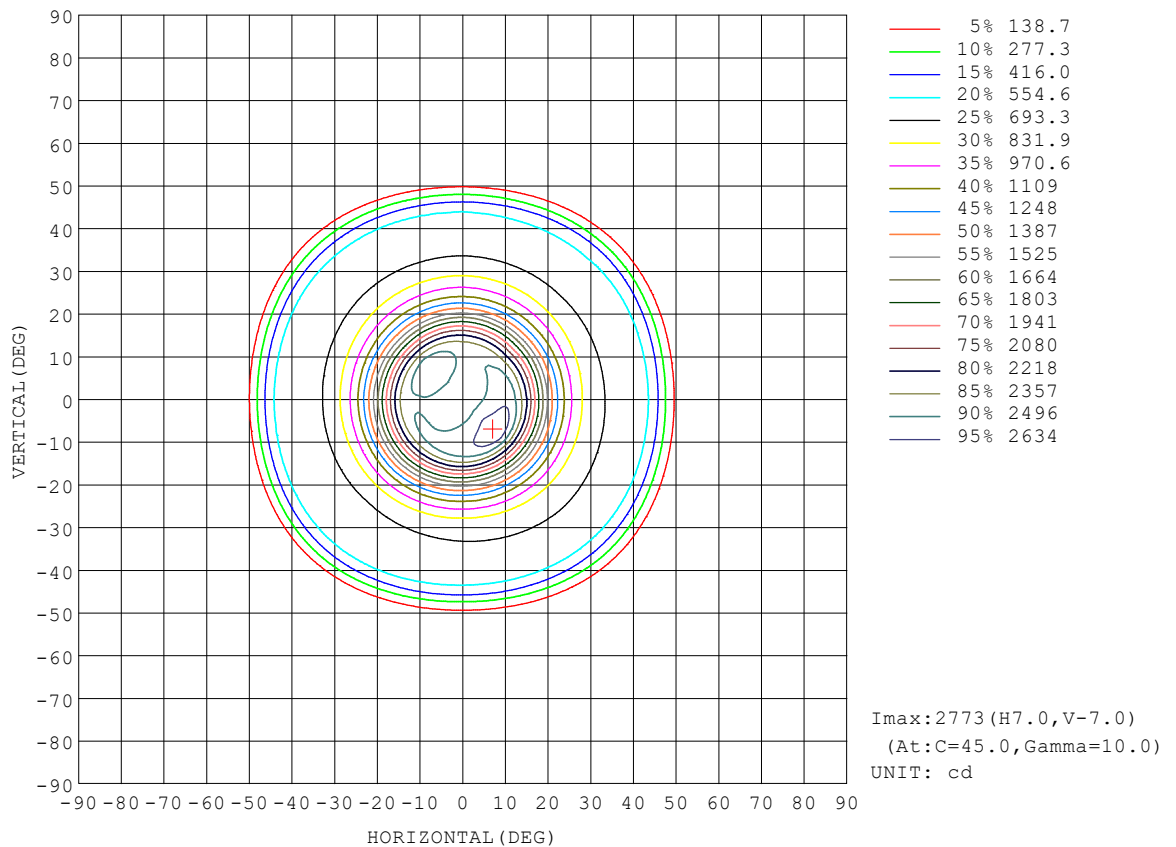
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	80	72	67	79	72	67	78	71	67	63
0.80	88	81	76	87	81	76	86	80	76	71
1.00	94	87	83	93	87	83	92	87	82	78
1.25	99	93	89	98	92	88	96	91	87	83
1.50	102	97	93	101	96	92	99	94	91	86
2.00	106	101	97	105	100	97	102	98	95	89
2.50	108	104	100	106	102	99	103	100	97	91
3.00	110	106	103	108	104	102	105	102	99	93
4.00	112	109	106	110	107	105	106	104	102	95
5.00	114	111	109	111	109	107	107	106	104	96
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHR NOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators:
Test Date: 2024-01-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.473
Humidity: 65.0%
Test Distance: 9.780m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:240.53V I:0.1060A P:24.567W PF:0.9639 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2171.25x1 lm		
Name: LED-SN25W-CC	Type: 25W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.:
MFR.: EVERFINE	SUR.: 0.0535	shielding angle:

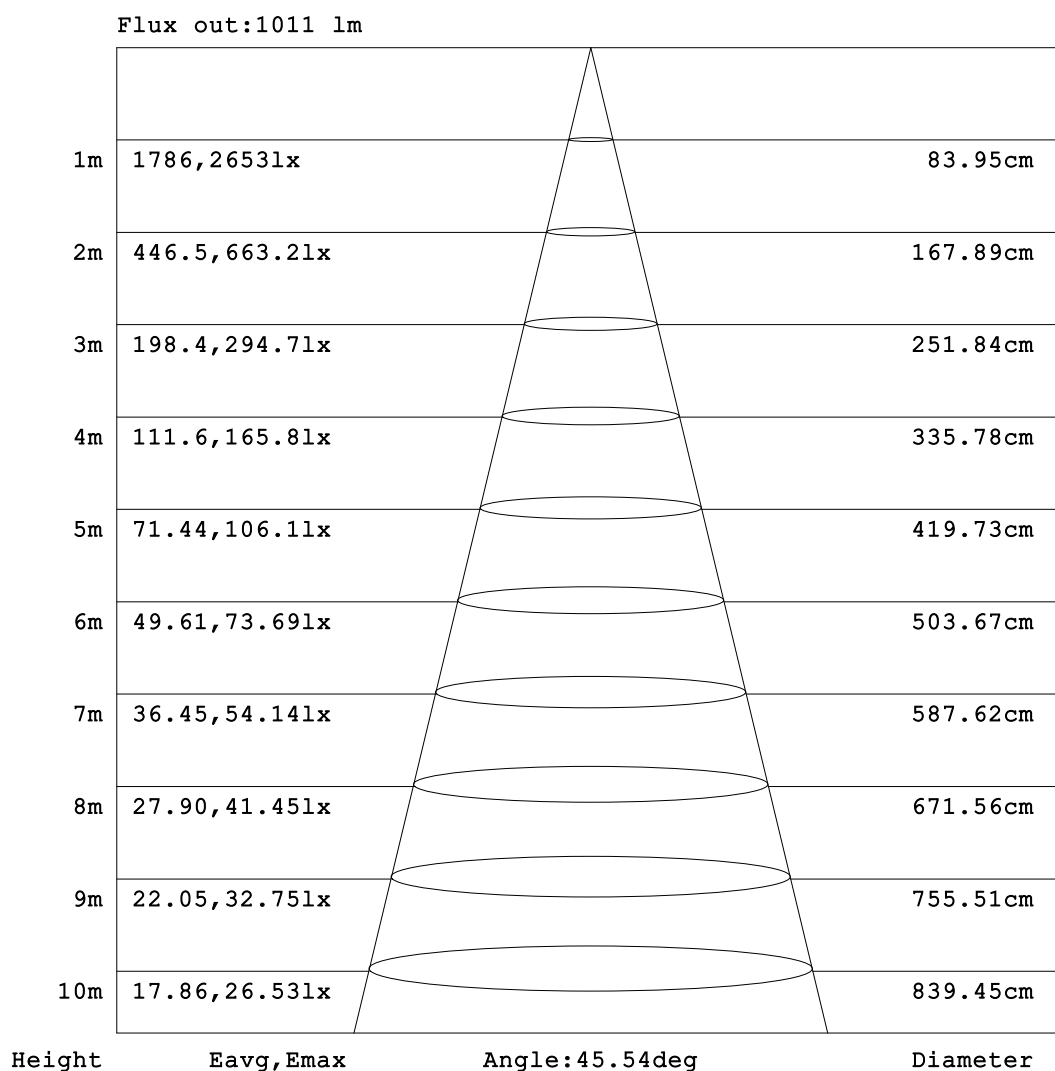


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2024-01-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.780m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.53V I:0.1060A P:24.567W PF:0.9639 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2171.25x1 lm		
Name: LED-SN25W-CC	Type: 25W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.:
MFR.: EVERFINE	SUR.: 0.0535	shielding angle:



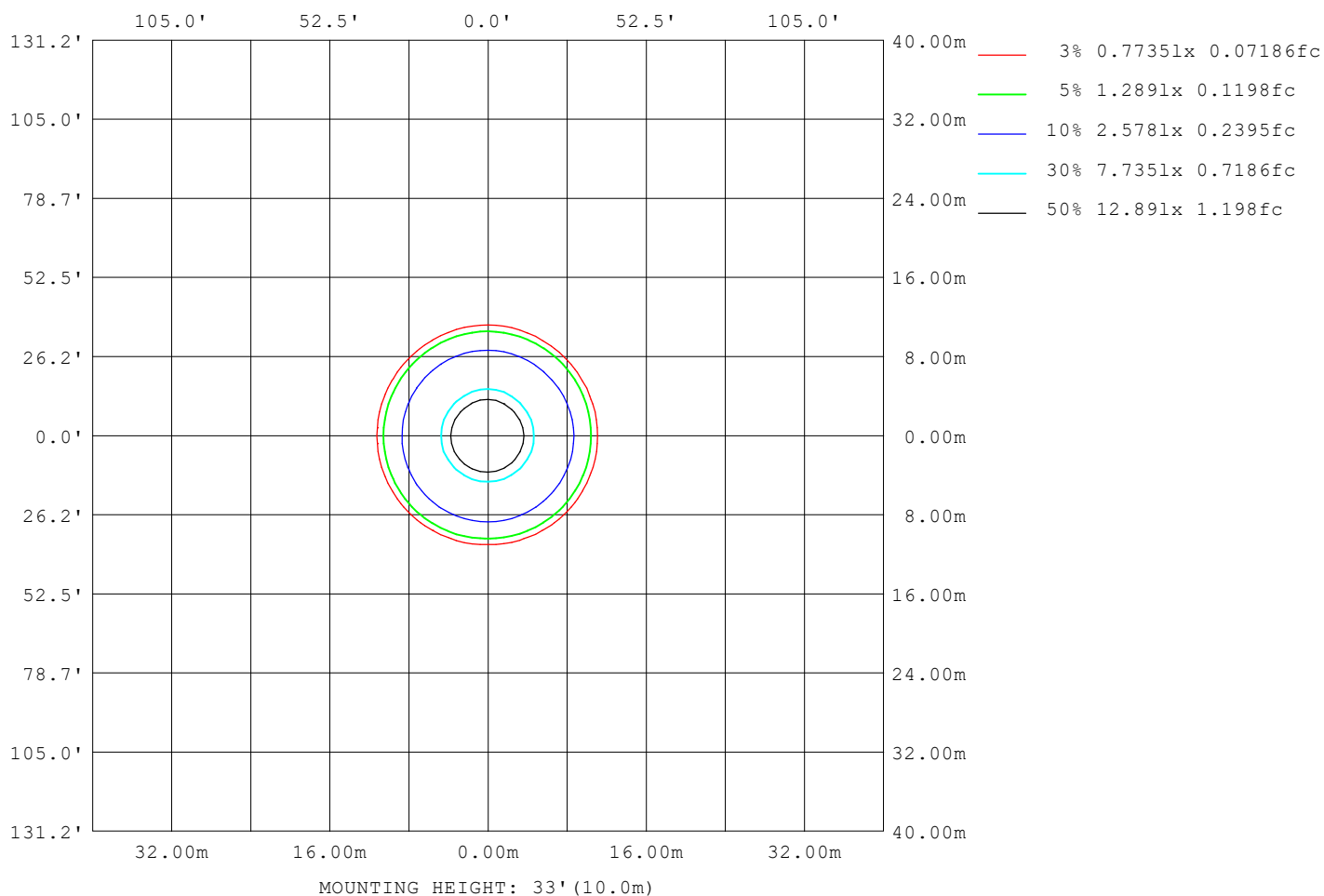
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2024-01-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.780m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:240.53V I:0.1060A P:24.567W PF:0.9639 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2171.25x1 lm		
Name: LED-SN25W-CC	Type: 25W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.:
MFR.: EVERFINE	SUR.: 0.0535	shielding angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2024-01-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.780m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.53V I:0.1060A P:24.567W PF:0.9639 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2171.25x1 lm		
Name: LED-SN25W-CC	Type: 25W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.:
MFR.: EVERFINE	SUR.: 0.0535	shielding angle:

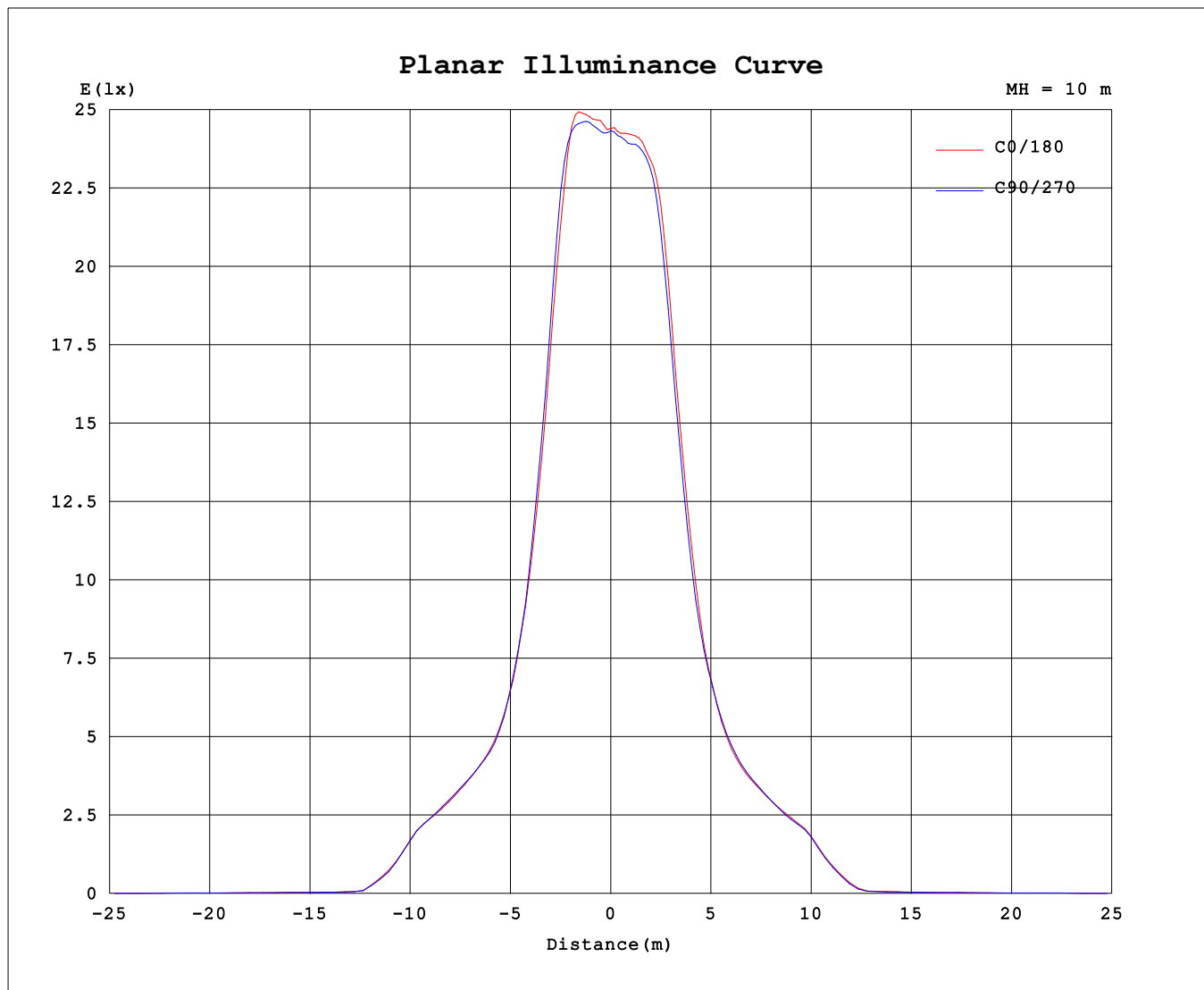
AvgL	cd/m2
L_0~180 (65) av	7173
L_0~180 (75) av	7574
L_0~180 (85) av	7935
L_90~270 (65) av	7036
L_90~270 (75) av	8360
L_90~270 (85) av	7378
L_45 (65) av	7030
L_45 (75) av	9077
L_45 (85) av	9763

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2024-01-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.780m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2024-01-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 9.780m [K=1.0000]
 Remarks:

Test: U:240.53V I:0.1060A P:24.567W PF:0.9639 Freq:49.99Hz UTHDi: 0.00% ITHDi: 0.00% KDisp: 0 Lamp Flux: 2171.25x1 lm		
Name: LED-SN25W-CC	Type: 25W	Weight:
SPEC.: 3000K	DIM.:	Instrument No.:
MFR.: EVERFINE	SUR.: 0.0535	shielding angle:

UNIT: cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.780m [K=1.0000]
Remarks:

```