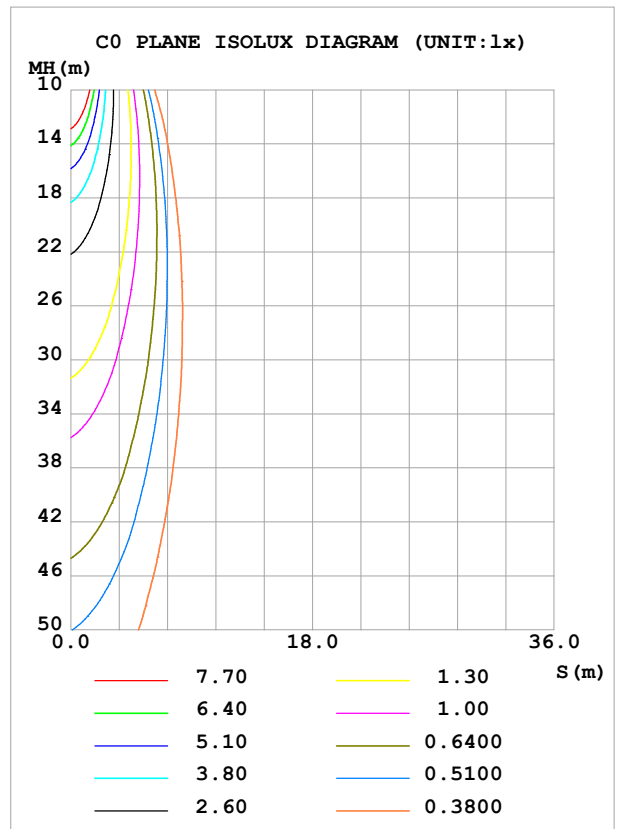
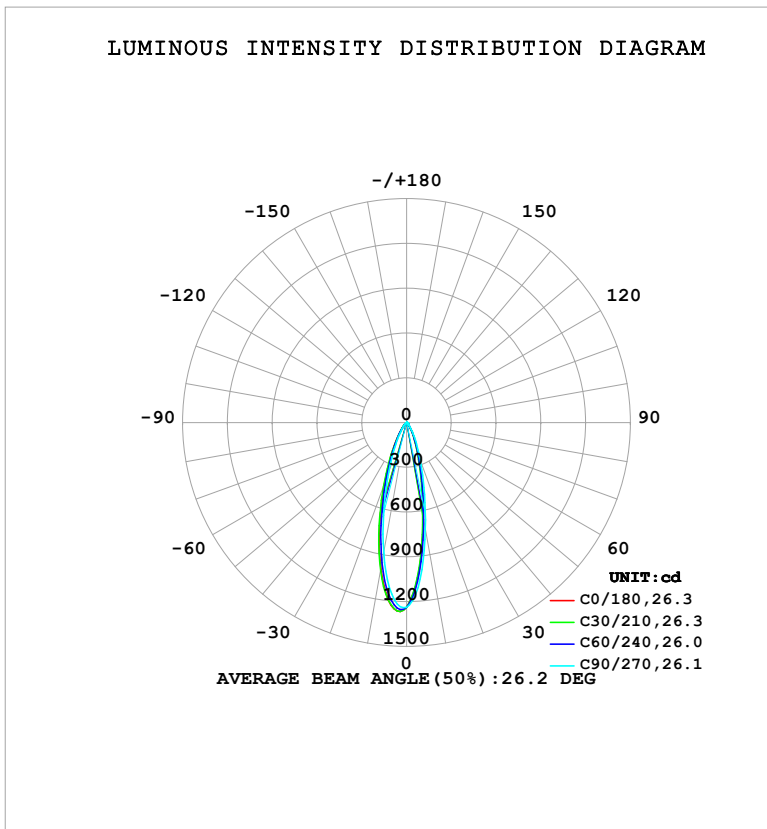


**LUMINAIRE PHOTOMETRIC TEST REPORT**

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. : 55mm	Shielding Angle :

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CLT0.37005 7W BL SMART	I <sub>max</sub> (cd)	1266	S/MH (C0/180)	0.55
NOMINAL POWER (W)	7	LOR (%)	100.0	S/MH (C90/270)	0.48
RATED VOLTAGE (V)	48	TOTAL FLUX (lm)	388.16	η UP, DN (C0-180)	0.0, 41.6
NOMINAL FLUX (lm)	388.161	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 58.4
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	48	η down (%)	100.0	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators: FG  
 Test Date: 2025-11-04

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.493  
 Humidity: 65.0%  
 Test Distance: 6.980m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	641.7	642.8	727.4	772.2	996.6	980.5	888.0	857.5	0- 10	95.69	95.69	24.7,24.7
20	225.3	218.6	269.7	294.7	434.7	427.9	353.8	346.4	10- 20	146.5	242.1	62.4,62.4
30	76.09	75.54	92.43	100.2	142.0	137.7	111.6	118.0	20- 30	88.20	330.3	85.1,85.1
40	25.31	24.51	28.93	33.06	43.21	43.37	36.39	39.17	30- 40	38.80	369.1	95.1,95.1
50	8.288	8.513	9.971	9.783	13.97	13.10	11.32	13.34	40- 50	16.34	385.5	99.3,99.3
60	0.2592	0.2976	0.3388	0.2899	0.3577	0.2931	0.3026	0.4188	50- 60	2.532	388.0	100,100
70	0.0143	0.0128	0.0086	0.0142	0.0171	0.0171	0.0143	0.0174	60- 70	0.1080	388.1	100,100
80	0.0227	0.0157	0.0171	0.0142	0.0198	0.0157	0.0143	0.0204	70- 80	0.0172	388.1	100,100
90	0.0142	0.0128	0.0114	0.0189	0.0142	0.0171	0.0228	0.0205	80- 90	0.0178	388.2	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): 379.13 lm

%lum = 97.7%

%lamp = 97.7%

Conical surface Flux(130deg): 388.11 lm

%lum = 100.0%

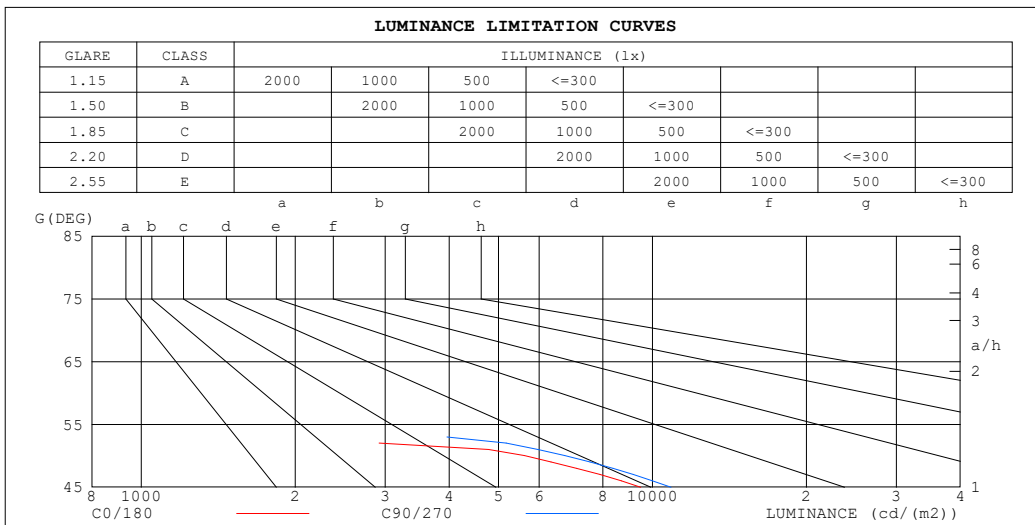
%lamp = 100.0%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:FG  
 Test Date:2025-11-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.493  
 Humidity:65.0%  
 Test Distance:6.980m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

<b>NAME :</b>	<b>TYPE :</b>	<b>WEIGHT :</b>
<b>SPEC. :</b>	<b>DIM. :</b>	<b>SERIAL No. :</b>
<b>MFR. :</b>	<b>SUR. : 55mm</b>	<b>Shielding Angle :</b>



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	85	71
80	57	43
75	29	24
70	18	11
65	12	87
60	226	294
55	337	435
50	5613	6734
45	9476	10866

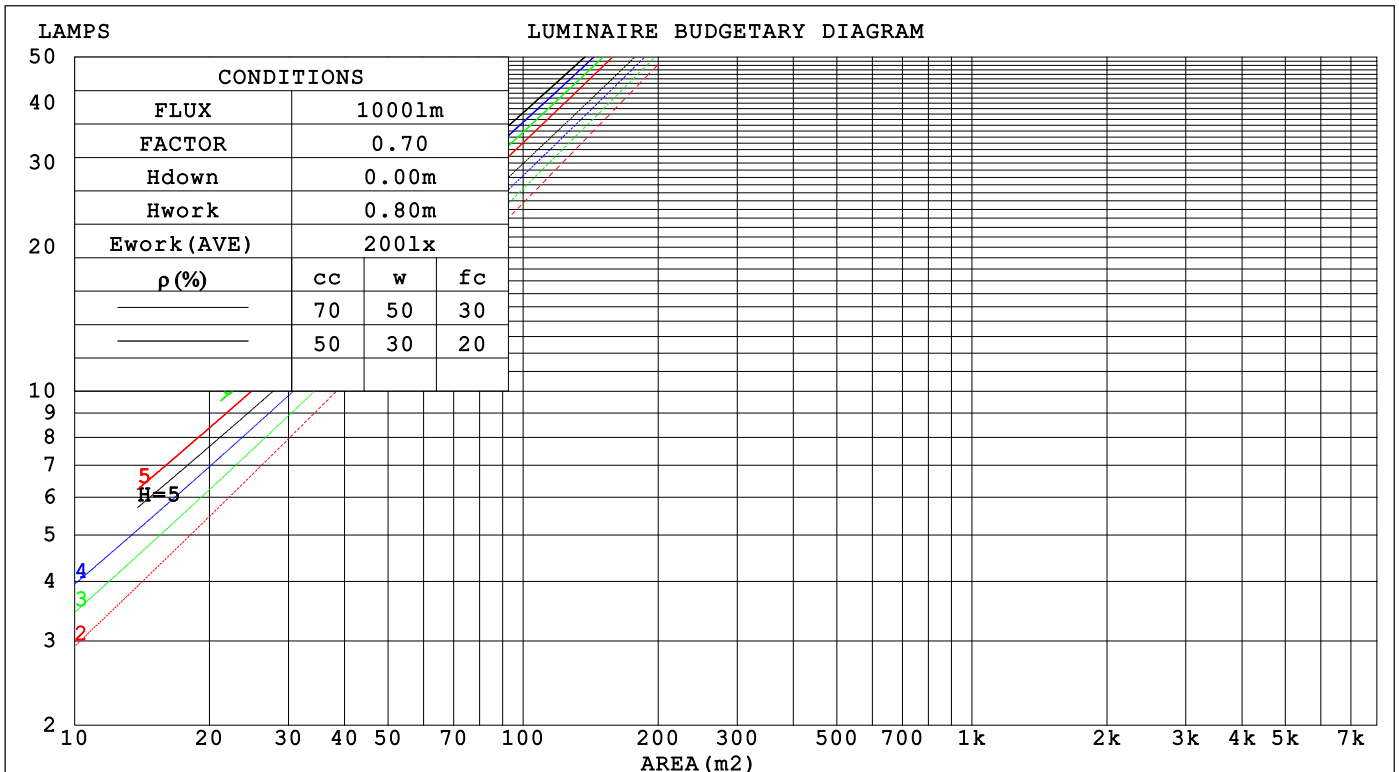
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators: FG  
 Test Date: 2025-11-04

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.493  
 Humidity: 65.0%  
 Test Distance: 6.980m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPEC.:</b>	<b>DIM.:</b>	<b>SERIAL No.:</b>
<b>MFR.:</b>	<b>SUR.: 55mm</b>	<b>Shielding Angle:</b>

<b>pcc</b>	80%			70%			50%			30%			10%			0
<b>p<sub>w</sub></b>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
<b>p<sub>fc</sub></b>	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Coefficients of Utilization(CU)</b>									
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	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.06	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.94	.92	.91
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.90	.94	.91	.89	.92	.90	.88	.86
4.0	.95	.90	.87	.94	.90	.86	.92	.88	.85	.90	.87	.85	.88	.86	.84	.82
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.86	.83	.80	.85	.82	.80	.78
6.0	.86	.82	.78	.86	.81	.78	.84	.80	.77	.83	.79	.77	.82	.79	.76	.75
7.0	.83	.78	.74	.82	.77	.74	.81	.77	.74	.80	.76	.73	.79	.76	.73	.72
8.0	.79	.74	.71	.79	.74	.71	.78	.74	.71	.77	.73	.70	.76	.73	.70	.69
9.0	.76	.71	.68	.76	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.67	.66
10.0	.73	.69	.65	.73	.68	.65	.72	.68	.65	.72	.68	.65	.71	.67	.65	.64



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:FG  
 Test Date:2025-11-04

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.493  
 Humidity:65.0%  
 Test Distance:6.980m [K=1.0000]  
 Remarks:

WEC AND CCEC

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 55mm	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.154	.087	.028	.147	.084	.027	.135	.077	.025	.123	.071	.023	.113	.065	.021	
2.0	.145	.080	.024	.140	.077	.024	.129	.072	.022	.120	.067	.021	.111	.063	.020	
3.0	.137	.073	.022	.132	.071	.021	.124	.067	.020	.115	.063	.019	.108	.060	.019	
4.0	.130	.067	.020	.126	.066	.019	.118	.063	.019	.111	.060	.018	.105	.057	.017	
5.0	.123	.063	.018	.120	.061	.018	.113	.059	.017	.107	.057	.017	.102	.054	.016	
6.0	.117	.059	.017	.114	.058	.017	.108	.056	.016	.103	.054	.016	.098	.052	.015	
7.0	.112	.055	.016	.109	.054	.015	.104	.053	.015	.099	.051	.015	.095	.049	.015	
8.0	.107	.052	.015	.104	.051	.015	.100	.050	.014	.096	.049	.014	.092	.047	.014	
9.0	.102	.049	.014	.100	.049	.014	.096	.048	.013	.093	.046	.013	.089	.045	.013	
10.0	.098	.047	.013	.096	.046	.013	.093	.045	.013	.089	.044	.013	.086	.043	.012	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.116	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.081	.082	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.076	.109	.085	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.118	.086	.063	.101	.075	.055	.070	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.110	.077	.053	.094	.066	.046	.065	.046	.033	.038	.027	.019	.012	.009	.006	
7.0	.102	.069	.045	.088	.060	.039	.061	.042	.028	.035	.025	.017	.011	.008	.005	
8.0	.096	.062	.039	.083	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.091	.057	.034	.078	.049	.029	.054	.035	.021	.032	.020	.012	.010	.007	.004	
10.0	.086	.052	.030	.074	.045	.026	.052	.032	.018	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3 °C  
 Operators:FG  
 Test Date:2025-11-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.493  
 Humidity:65.0%  
 Test Distance:6.980m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

NAME:	TYPE:					WEIGHT:				
SPEC.:	DIM.:					SERIAL No.:				
MFR.:	SUR.: 55mm					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	15.0	15.8	15.2	16.0	16.1	16.0	16.8	16.2	16.9	17.1
3H	14.9	15.6	15.1	15.8	16.0	15.8	16.5	16.1	16.7	16.9
4H	14.8	15.5	15.1	15.7	15.9	15.7	16.4	16.0	16.6	16.9
6H	14.7	15.3	15.0	15.6	15.8	15.7	16.3	15.9	16.5	16.8
8H	14.7	15.3	15.0	15.5	15.8	15.6	16.2	15.9	16.5	16.7
12H	14.6	15.2	14.9	15.5	15.7	15.6	16.2	15.9	16.4	16.7
4H 2H	14.8	15.5	15.1	15.7	15.9	15.7	16.4	16.0	16.6	16.9
3H	14.6	15.2	14.9	15.5	15.8	15.6	16.2	15.9	16.4	16.7
4H	14.5	15.1	14.9	15.4	15.7	15.5	16.0	15.8	16.3	16.6
6H	14.4	14.9	14.8	15.2	15.6	15.4	15.9	15.7	16.2	16.5
8H	14.4	14.8	14.8	15.2	15.5	15.3	15.8	15.7	16.1	16.5
12H	14.3	14.7	14.7	15.1	15.5	15.3	15.7	15.7	16.0	16.4
8H 4H	14.4	14.8	14.8	15.2	15.5	15.3	15.8	15.7	16.1	16.5
6H	14.3	14.6	14.7	15.0	15.4	15.2	15.6	15.6	16.0	16.4
8H	14.2	14.5	14.7	15.0	15.4	15.2	15.5	15.6	15.9	16.3
12H	14.2	14.4	14.6	14.9	15.3	15.1	15.4	15.6	15.8	16.3
12H 4H	14.3	14.7	14.7	15.1	15.5	15.3	15.7	15.7	16.0	16.4
6H	14.2	14.5	14.7	15.0	15.4	15.2	15.5	15.6	15.9	16.3
8H	14.2	14.4	14.6	14.9	15.3	15.1	15.4	15.6	15.8	16.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.1 / -20.2					+ 3.4 / -20.6				
1.5H	+ 4.0 / -19.4					+ 4.3 / -19.8				
2.0H	+ 6.4 / -20.0					+ 6.3 / -20.0				

CIE Pub.117, 388.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.3)  
 Area: 0.002376 m2

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:FG  
 Test Date:2025-11-04

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.493  
 Humidity:65.0%  
 Test Distance:6.980m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. : 55mm	Shielding Angle :

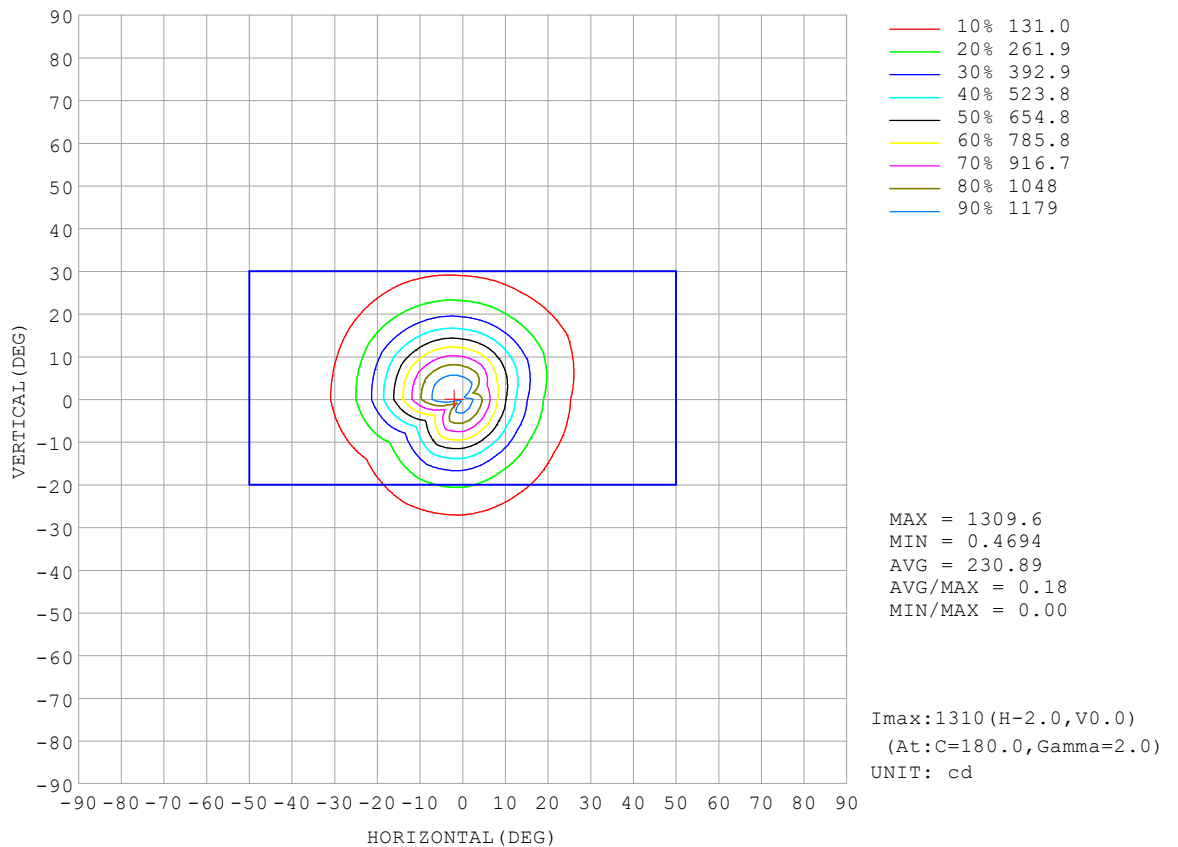
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	79	88	82	79	87	82	78	75
0.80	96	90	87	95	90	86	94	89	86	83
1.00	100	95	91	99	94	91	98	94	91	87
1.25	104	99	96	103	99	95	101	97	95	91
1.50	107	102	99	105	101	98	103	100	97	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	108	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: FG  
 Test Date: 2025-11-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.493  
 Humidity: 65.0%  
 Test Distance: 6.980m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

<b>NAME :</b>	<b>TYPE :</b>	<b>WEIGHT :</b>
<b>SPEC. :</b>	<b>DIM. :</b>	<b>SERIAL No. :</b>
<b>MFR. :</b>	<b>SUR. : 55mm</b>	<b>Shielding Angle :</b>

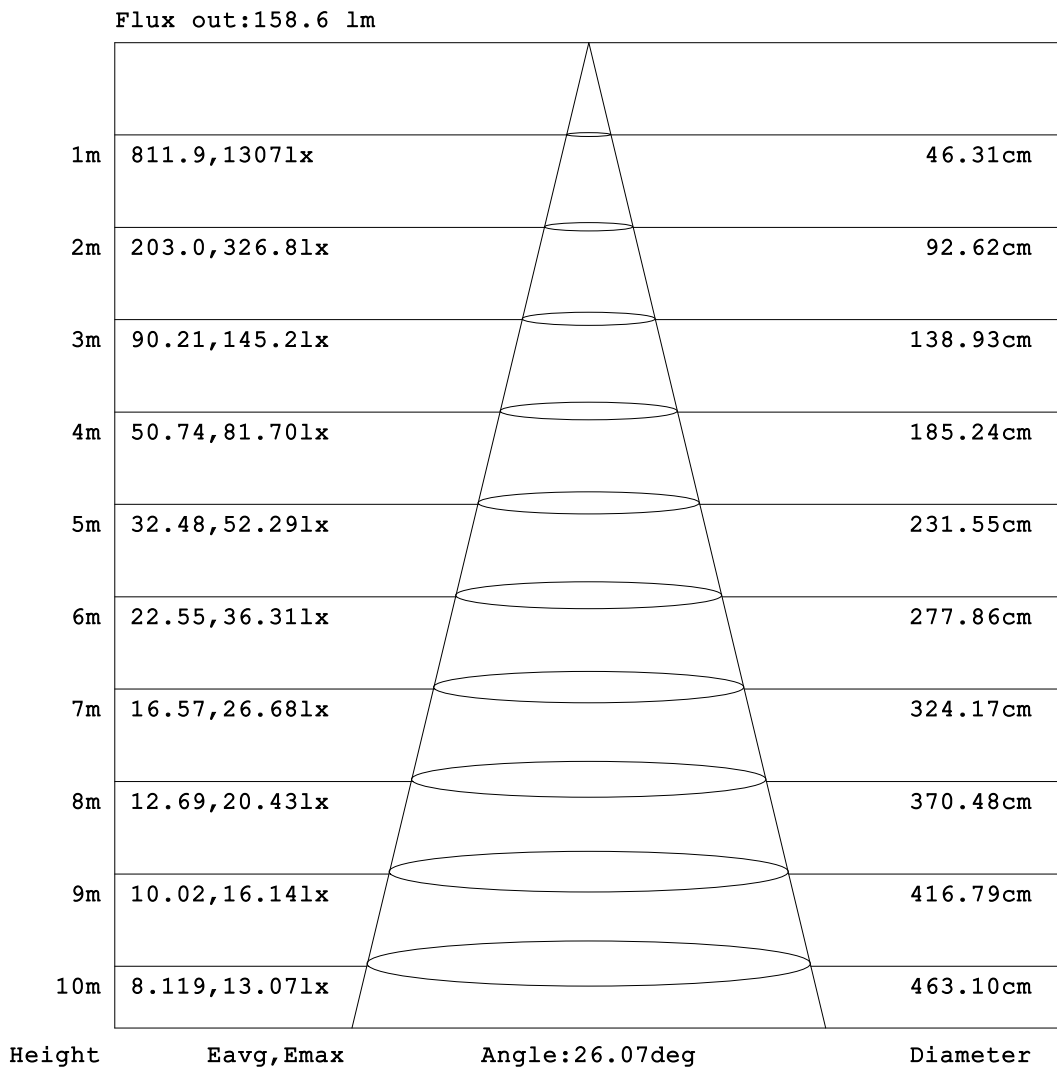


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3 °C  
 Operators:FG  
 Test Date:2025-11-04

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.493  
 Humidity:65.0%  
 Test Distance:6.980m [K=1.0000]  
 Remarks:

**AAI Figure**

<b>NAME :</b>	<b>TYPE :</b>	<b>WEIGHT :</b>
<b>SPEC. :</b>	<b>DIM. :</b>	<b>SERIAL No. :</b>
<b>MFR. :</b>	<b>SUR. : 55mm</b>	<b>Shielding Angle :</b>



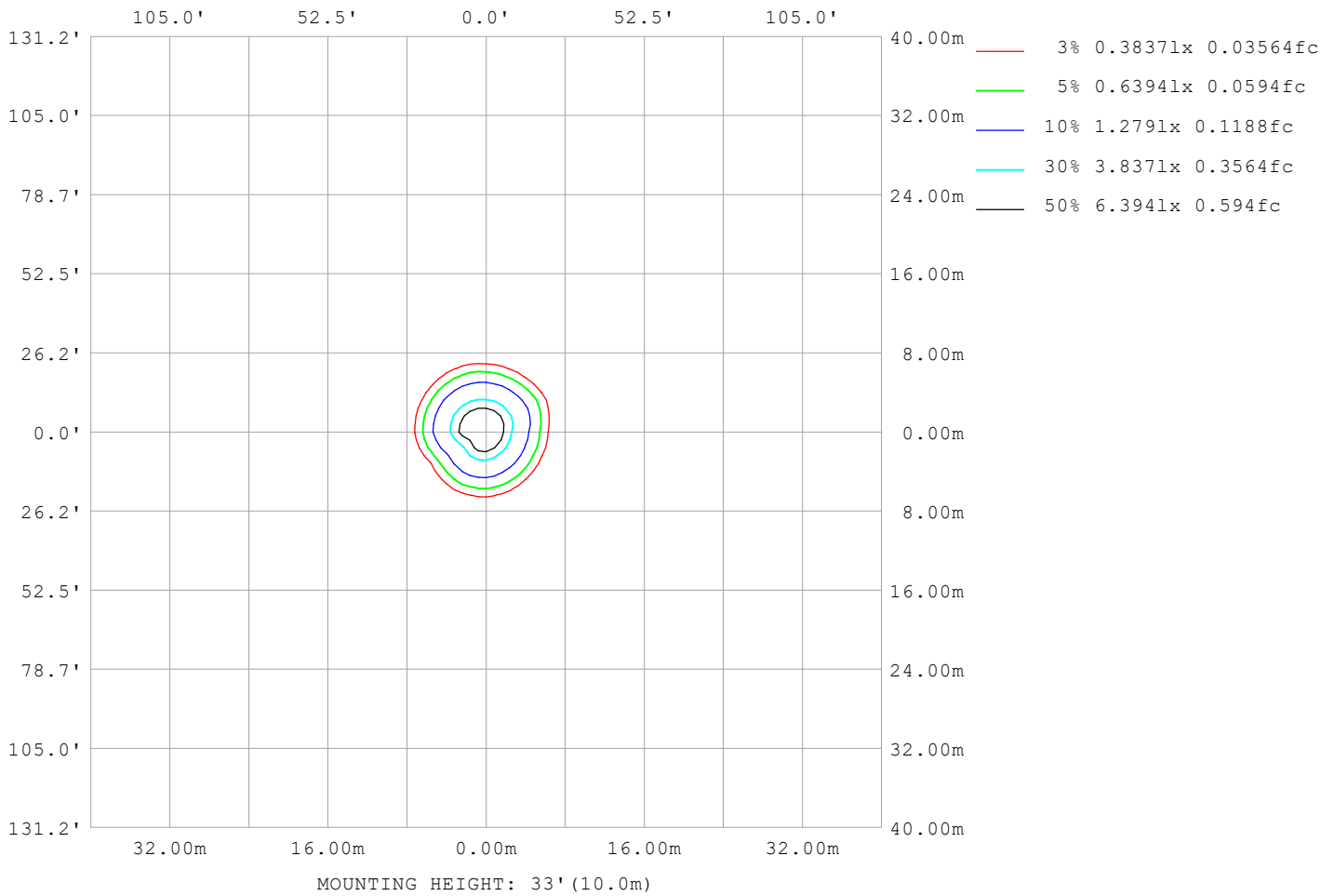
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3 °C  
 Operators:FG  
 Test Date:2025-11-04

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.493  
 Humidity:65.0%  
 Test Distance:6.980m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPEC.:</b>	<b>DIM.:</b>	<b>SERIAL No.:</b>
<b>MFR.:</b>	<b>SUR.: 55mm</b>	<b>Shielding Angle:</b>



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators: FG  
 Test Date: 2025-11-04

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.493  
 Humidity: 65.0%  
 Test Distance: 6.980m [K=1.0000]  
 Remarks:

LED Avg.L Report

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. : 55mm	Shielding Angle :

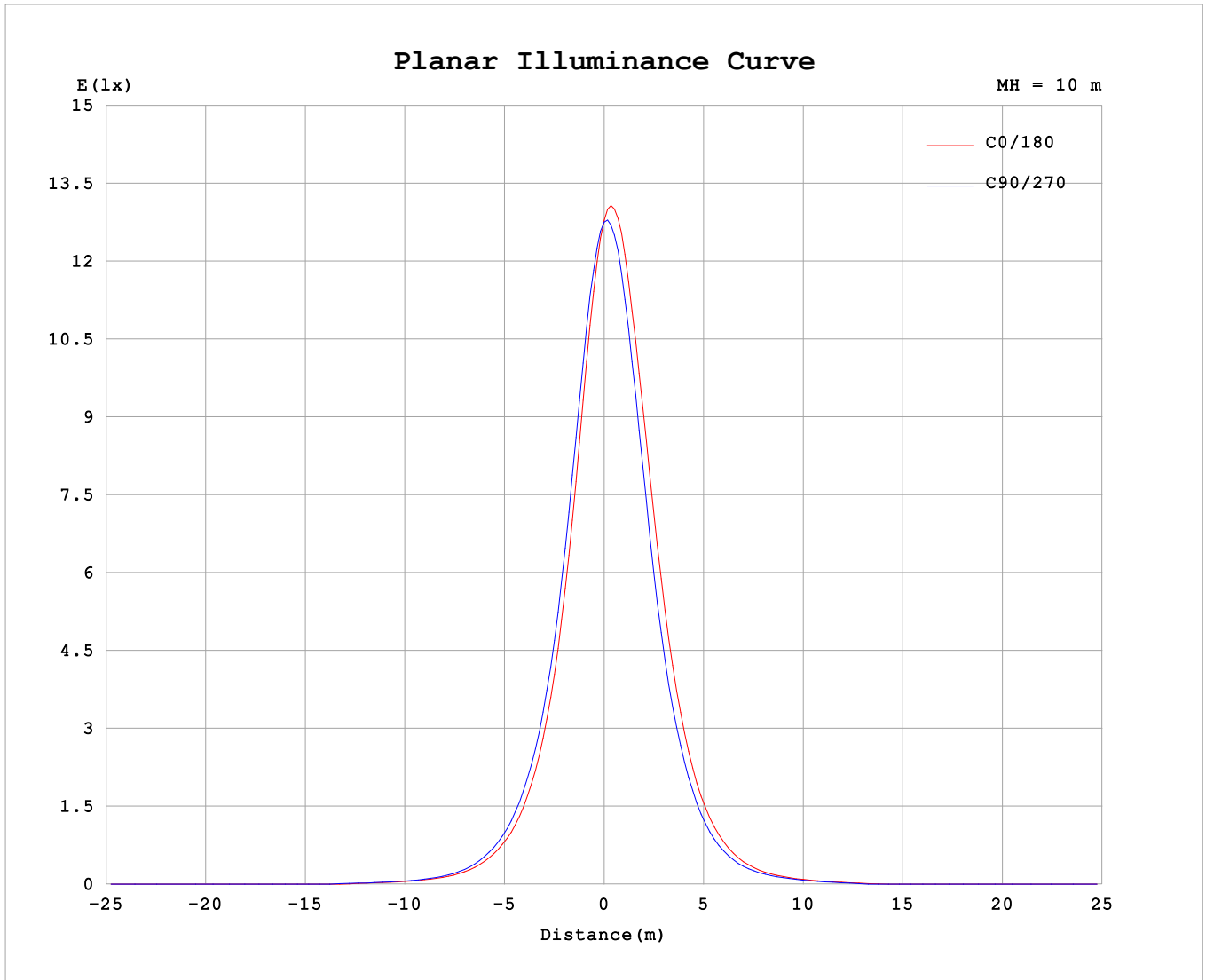
AvgL	cd/m2
L_0~180 (65) av	65
L_0~180 (75) av	23
L_0~180 (85) av	89
L_90~270 (65) av	54
L_90~270 (75) av	28
L_90~270 (85) av	69
L_45 (65) av	74
L_45 (75) av	24
L_45 (85) av	78

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:FG  
 Test Date:2025-11-04

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.493  
 Humidity:65.0%  
 Test Distance:6.980m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators: FG  
 Test Date: 2025-11-04

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.493  
 Humidity: 65.0%  
 Test Distance: 6.980m [K=1.0000]  
 Remarks:

