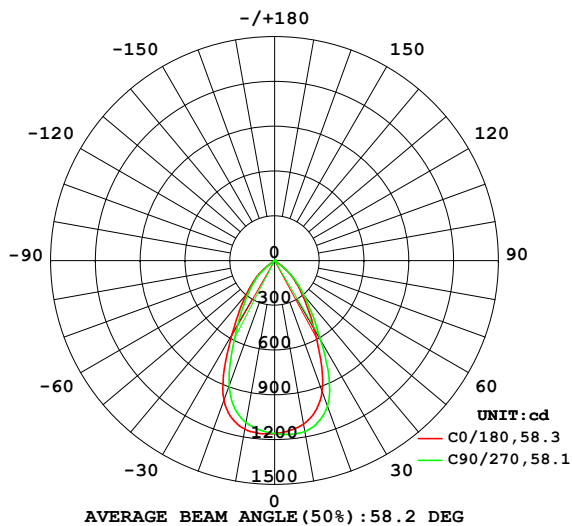


LUMINAIRE PHOTOMETRIC TEST REPORT

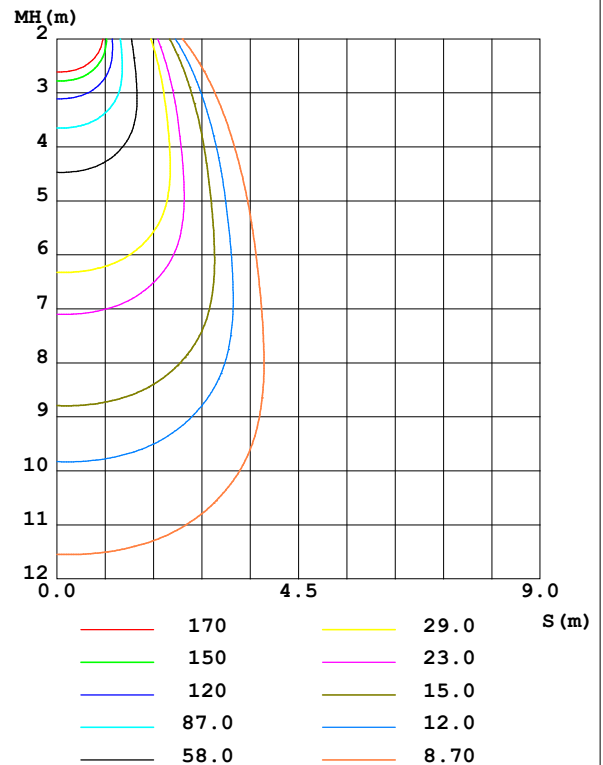
Test:U:230.04V I:0.0483A P:10W PF:0.9112 Freq:49.99Hz Lamp Flux:1200.04x1 lm		
NAME: 0017440234 3500K 10W 1200lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120 lm/W			
MODEL		I _{max} (cd)	1175	S/MH(C0/180)	0.88
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.93
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1200	η UP,DN(C0-180)	0.0,47.6
NOMINAL FLUX(lm)	1200	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,52.4
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)		η down (%)	100.0	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: Testing Room
 Test Date: 2026-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.471
 Humidity: 65.0%
 Test Distance: 11.050m [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	1147	1119	1103	1102	1113	1138	1163	1171	0- 10	109.5	109.5	9.12,9.12
20	994.1	928.2	891.0	890.1	932.2	994.0	1037	1044	10- 20	299.7	409.2	34.1,34.1
30	571.3	513.5	492.0	492.0	531.2	599.9	621.3	617.7	20- 30	347.6	756.7	63.1,63.1
40	296.3	269.5	260.5	262.9	279.6	308.4	311.2	312.7	30- 40	252.1	1009	84.1,84.1
50	115.2	96.04	94.34	95.67	109.8	126.1	124.4	127.0	40- 50	153.2	1162	96.8,96.8
60	7.312	7.053	6.241	6.935	7.112	7.229	6.586	7.279	50- 60	29.14	1191	99.3,99.3
70	3.738	3.668	3.571	3.585	3.560	3.417	3.333	3.455	60- 70	4.606	1196	99.6,99.6
80	2.470	2.342	2.222	2.259	2.295	2.169	2.086	2.169	70- 80	3.008	1199	99.9,99.9
90	0.0226	0.0151	0.0151	0.0151	0.0151	0.0075	0.0075	0.0075	80- 90	1.196	1200	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): 1098.3 lm

%lum = 91.5%

%lamp = 91.5%

Conical surface Flux(120deg): 1191.2 lm

%lum = 99.3%

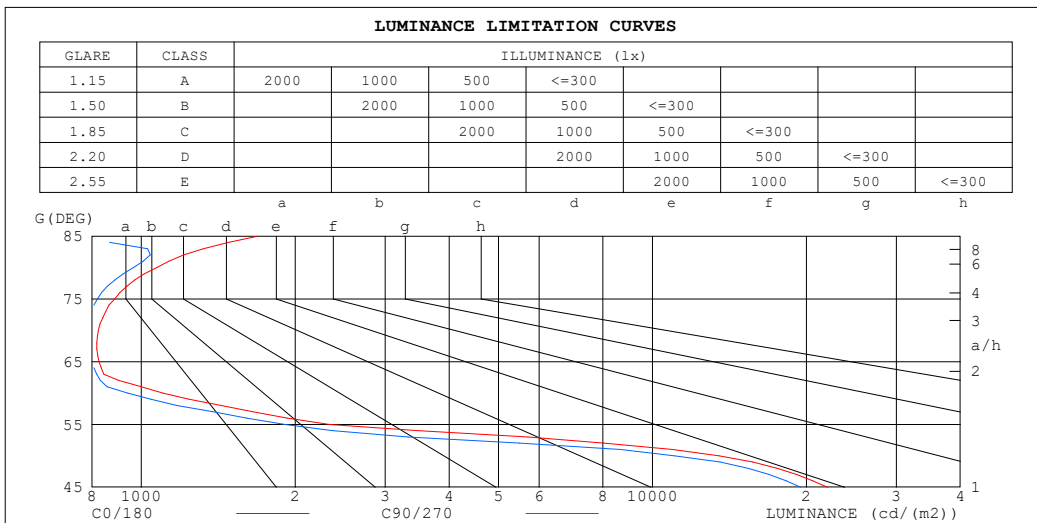
%lamp = 99.3%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Testing Room
Test Date:2026-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:11.050m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.04V I:0.0483A P:10.124W PF:0.9112 Freq:49.99Hz Lamp Flux:1200.04x1 lm		
NAME: 017440234 4000K 10W 1200lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1687	268
80	1072	964
75	886	821
70	823	787
65	826	800
60	1102	941
55	2338	1912
50	13506	11060
45	21989	19485

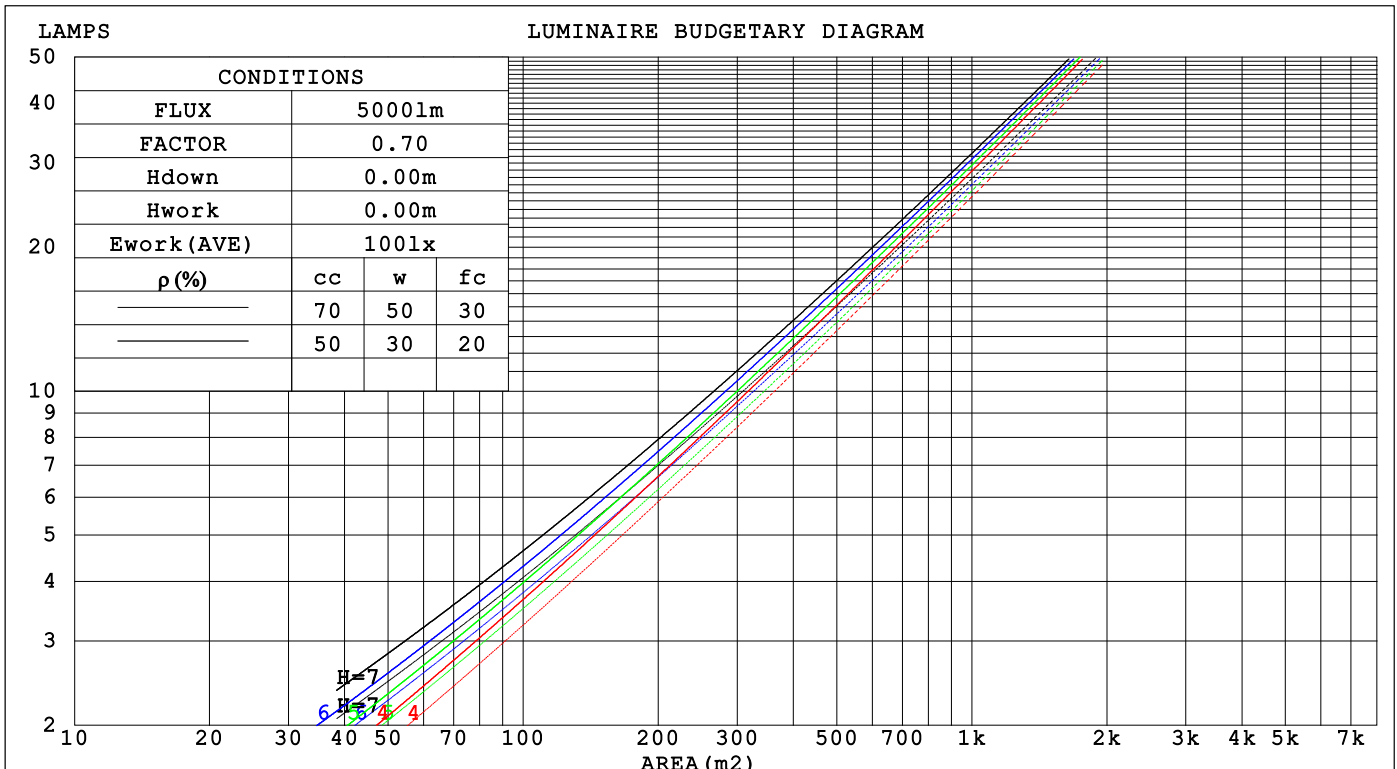
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Testing Room
Test Date:2026-02-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:11.050m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.04V I:0.0483A P:10.124W PF:0.9112 Freq:49.99Hz Lamp Flux:1200.04x1 lm		
NAME: 017440234 4000K 10W 1200lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.94	.93
2.0	1.02	.98	.94	1.00	.96	.93	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.83	.88	.84	.81	.85	.83	.80	.79
4.0	.88	.82	.77	.86	.81	.77	.84	.79	.76	.82	.78	.75	.80	.77	.74	.72
5.0	.81	.75	.71	.80	.75	.70	.79	.73	.70	.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	.63	.60	.68	.63	.59	.67	.62	.59	.57
8.0	.66	.60	.56	.66	.60	.56	.65	.59	.55	.64	.59	.55	.63	.58	.55	.53
9.0	.62	.56	.52	.62	.56	.52	.61	.55	.52	.60	.55	.51	.59	.55	.51	.50
10.0	.59	.53	.49	.58	.52	.49	.57	.52	.48	.57	.52	.48	.56	.51	.48	.47



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:Testing Room
 Test Date:2026-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:11.050m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.04V I:0.0483A P:10.124W PF:0.9112 Freq:49.99Hz Lamp Flux:1200.04x1 lm					
NAME: 017440234 4000K 10W 1200lm			TYPE:		WEIGHT:
SPEC.:			DIM.:		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	.189	.107	.034	.182	.104	.033	.170	.097	.031	.158	.091	.029	.147	.085	.028															
2.0	.182	.100	.031	.177	.097	.030	.166	.092	.029	.156	.087	.027	.147	.083	.026															
3.0	.174	.093	.028	.169	.091	.027	.160	.087	.026	.152	.083	.025	.144	.080	.025															
4.0	.166	.086	.025	.162	.085	.025	.154	.082	.024	.147	.079	.024	.140	.076	.023															
5.0	.158	.081	.023	.155	.079	.023	.148	.077	.023	.141	.075	.022	.135	.072	.022															
6.0	.151	.076	.022	.148	.075	.021	.142	.073	.021	.136	.071	.021	.131	.069	.020															
7.0	.144	.071	.020	.141	.070	.020	.136	.069	.020	.131	.067	.020	.126	.065	.019															
8.0	.138	.067	.019	.135	.067	.019	.130	.065	.019	.126	.064	.018	.121	.062	.018															
9.0	.132	.064	.018	.130	.063	.018	.125	.062	.018	.121	.061	.017	.117	.059	.017															
10.0	.126	.061	.017	.124	.060	.017	.120	.059	.017	.116	.058	.016	.113	.057	.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	.086	.058	.054	.050	.019	.017	.016	
2.0	.158	.132	.111	.135	.114	.096	.093	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.146	.114	.088	.125	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.136	.099	.071	.117	.086	.061	.080	.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	.035	.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	.090	.052	.026	.062	.037	.019	.036	.022	.011	.012	.007	.004	
10.0	.100	.056	.026	.086	.048	.023	.060	.034	.016	.035	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:Testing Room
 Test Date:2026-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:11.050m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.04V I:0.0483A P:10.124W PF:0.9112 Freq:49.99Hz Lamp Flux:1200.04x1 lm										
NAME: 017440234 4000K 10W 1200lm					TYPE:			WEIGHT:		
SPEC.:					DIM.:			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	18.3	19.4	18.6	19.5	19.7	17.8	18.8	18.0	19.0	19.2
3H	18.2	19.1	18.4	19.3	19.5	17.6	18.6	17.9	18.8	19.0
4H	18.1	19.0	18.4	19.2	19.4	17.6	18.4	17.8	18.7	18.9
6H	18.0	18.8	18.3	19.1	19.3	17.5	18.3	17.8	18.6	18.8
8H	18.0	18.8	18.3	19.0	19.3	17.4	18.2	17.8	18.5	18.8
12H	17.9	18.7	18.3	19.0	19.3	17.4	18.2	17.7	18.4	18.7
4H 2H	18.1	19.0	18.4	19.2	19.4	17.6	18.4	17.8	18.7	18.9
3H	17.9	18.7	18.2	19.0	19.2	17.4	18.2	17.7	18.4	18.7
4H	17.8	18.5	18.2	18.8	19.1	17.3	18.0	17.7	18.3	18.6
6H	17.8	18.4	18.2	18.7	19.1	17.2	17.9	17.6	18.2	18.5
8H	17.7	18.3	18.1	18.7	19.0	17.2	17.8	17.6	18.1	18.5
12H	17.7	18.2	18.1	18.6	19.0	17.2	17.7	17.6	18.1	18.4
8H 4H	17.7	18.3	18.1	18.6	19.0	17.2	17.7	17.6	18.1	18.5
6H	17.6	18.1	18.1	18.5	18.9	17.1	17.6	17.5	18.0	18.4
8H	17.6	18.0	18.1	18.4	18.9	17.1	17.5	17.5	17.9	18.4
12H	17.6	18.0	18.1	18.4	18.9	17.1	17.4	17.5	17.8	18.3
12H 4H	17.7	18.2	18.1	18.5	18.9	17.1	17.6	17.5	18.0	18.4
6H	17.6	18.0	18.1	18.4	18.9	17.1	17.5	17.5	17.9	18.3
8H	17.6	17.9	18.1	18.4	18.8	17.1	17.4	17.5	17.8	18.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.4 / -10.0					+ 2.5 / -10.0				
1.5H	+ 3.0 / -10.3					+ 2.7 / -10.1				
2.0H	+ 6.2 / - 9.5					+ 6.2 / - 9.2				

CIE Pub.117, 1200 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.6$)
Area: 0.01327 m²

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Testing Room
Test Date:2026-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:11.050m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.04V I:0.0483A P:10.124W PF:0.9112 Freq:49.99Hz Lamp Flux:1200.04x1 lm		
NAME: 017440234 4000K 10W 1200lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

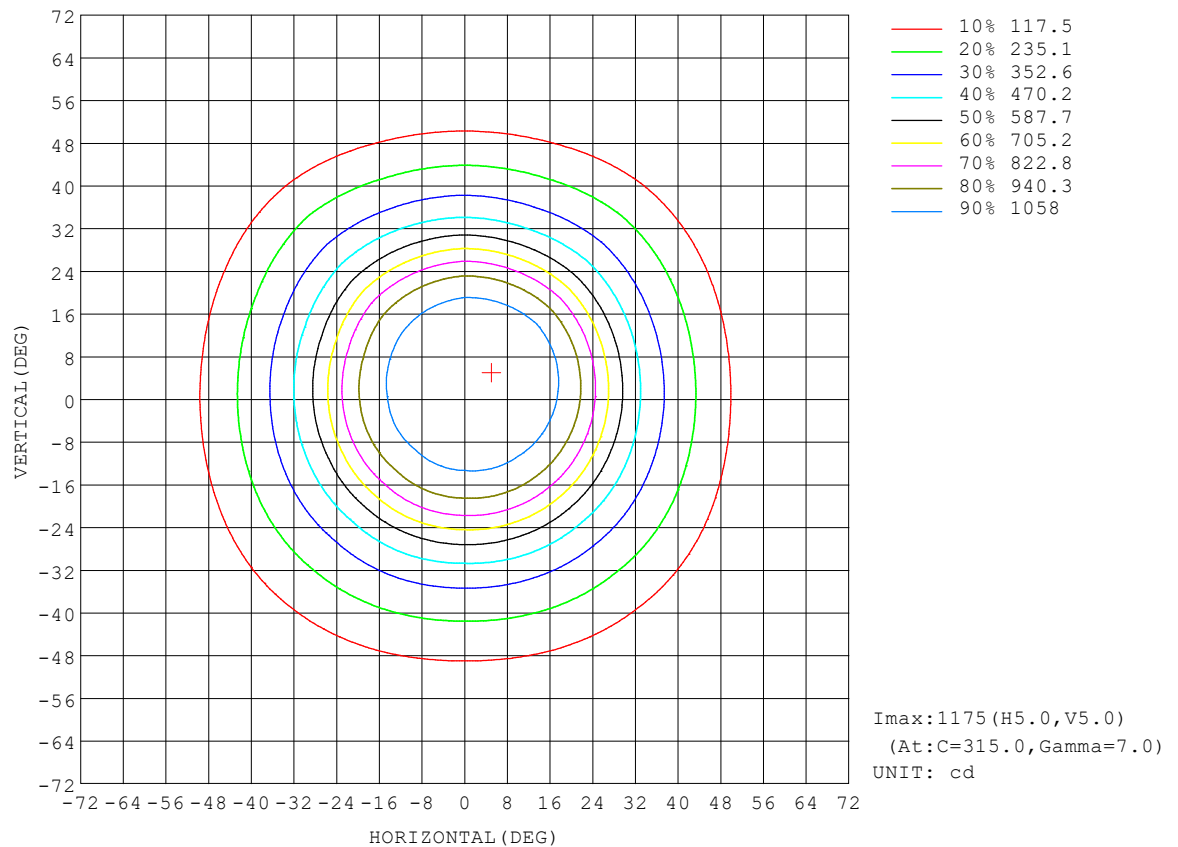
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	74	70	81	74	69	80	73	69	65
0.80	90	83	79	89	83	78	88	82	78	74
1.00	96	89	85	95	89	85	93	89	84	80
1.25	100	94	91	99	94	90	97	93	89	85
1.50	104	98	94	102	97	94	100	96	93	88
2.00	107	102	99	106	101	98	103	99	96	91
2.50	109	105	101	107	103	100	104	101	98	92
3.00	111	107	104	109	105	103	105	103	101	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	111	109	112	110	108	108	106	105	97
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Testing Room
Test Date: 2026-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 11.050m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.04V I:0.0483A P:10.124W PF:0.9112 Freq:49.99Hz Lamp Flux:1200.04x1 lm		
NAME: 017440234 4000K 10W 1200lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

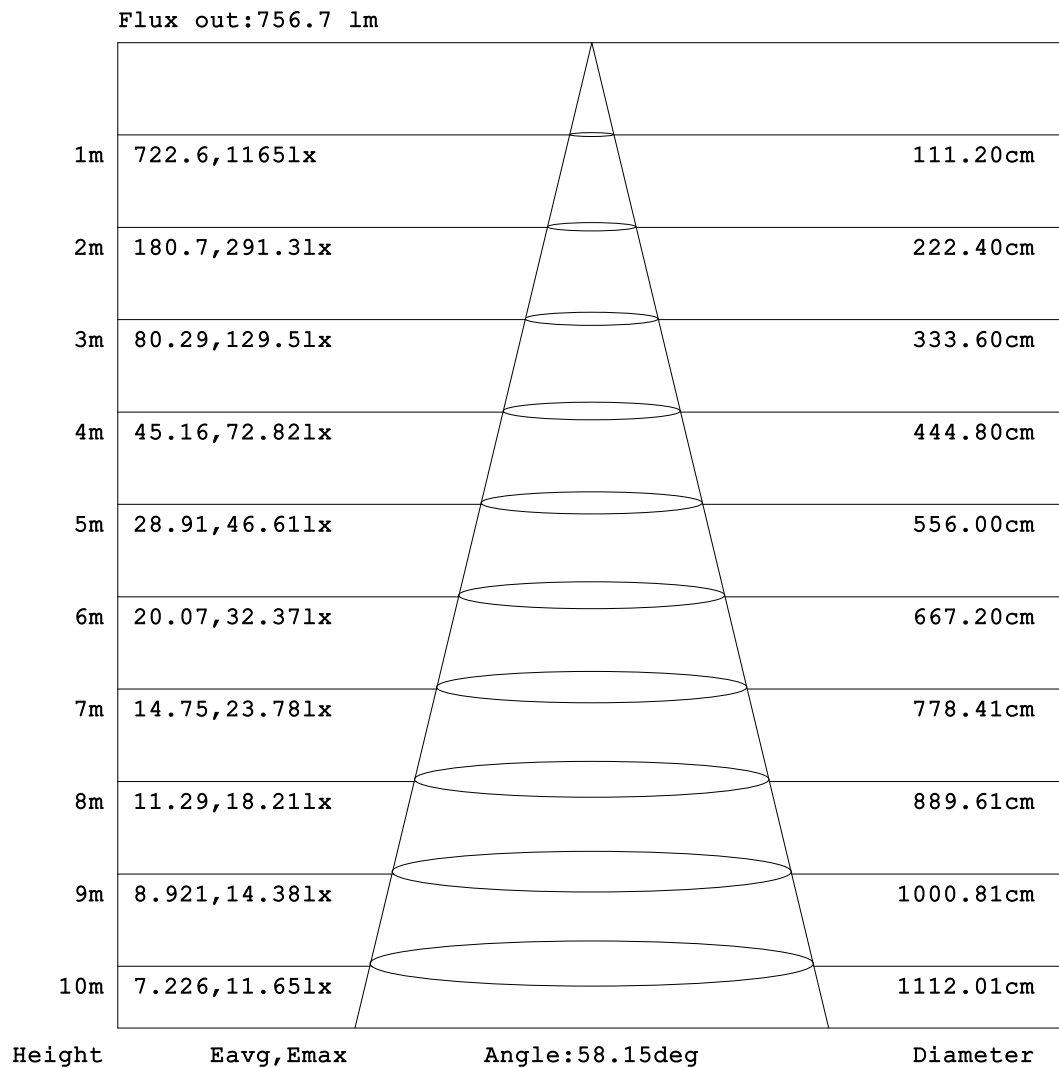


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:Testing Room
 Test Date:2026-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:11.050m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.04V I:0.0483A P:10.124W PF:0.9112 Freq:49.99Hz Lamp Flux:1200.04x1 lm		
NAME: 017440234 4000K 10W 1200lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

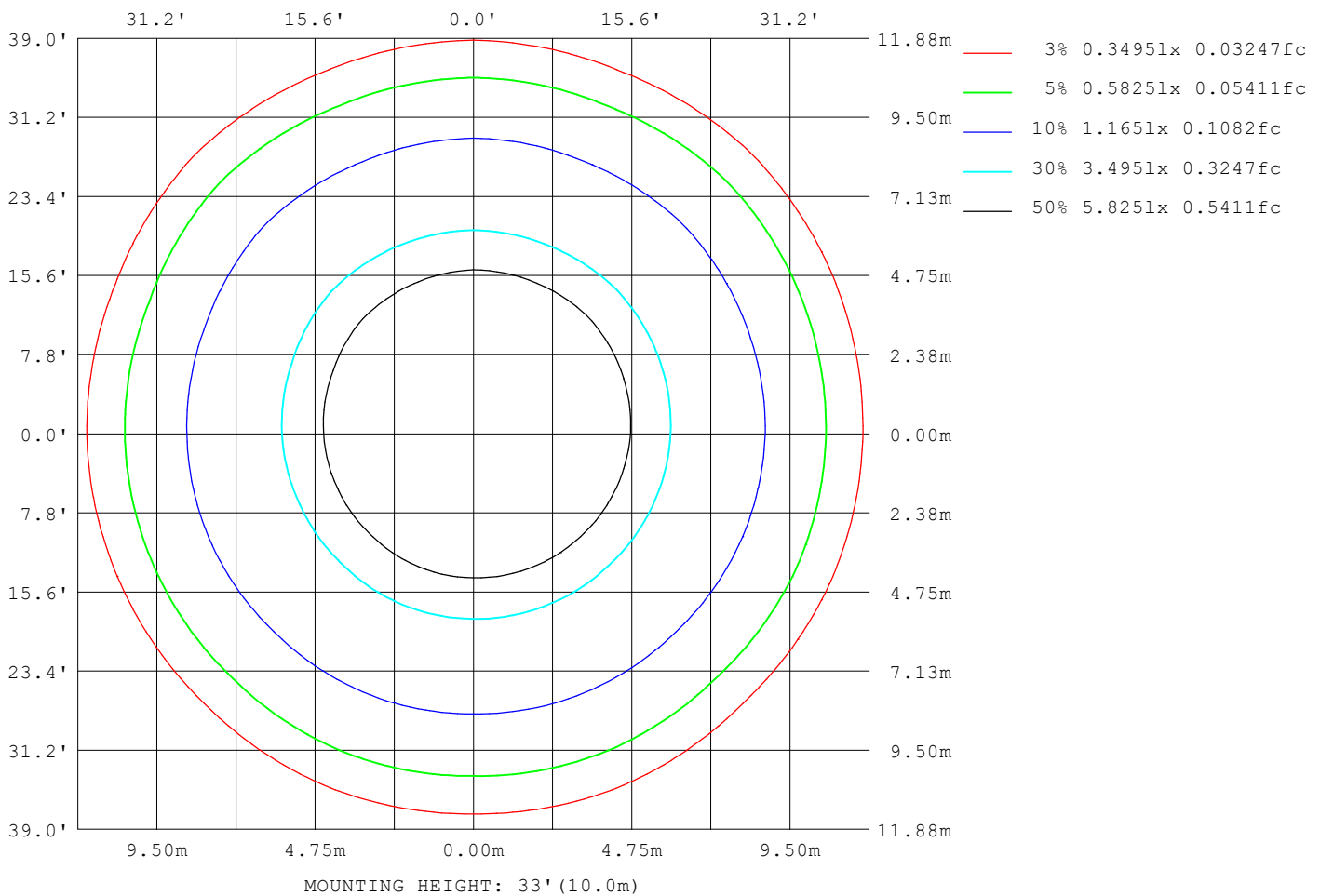


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG C Interval: 22.5DEG Test Speed: HIGH Temperature: 25.3°C Operators: Testing Room Test Date: 2026-02-28	γ Range: 0 - 90DEG γ Interval: 1.0DEG Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.471 Humidity: 65.0% Test Distance: 11.050m [K=1.0000] Remarks:
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ISOLUX DIAGRAM

Test: U:230.04V I:0.0483A P:10.124W PF:0.9112 Freq:49.99Hz Lamp Flux: 1200.04x1 lm		
NAME: 017440234 4000K 10W 1200lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: Testing Room
 Test Date: 2026-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.471
 Humidity: 65.0%
 Test Distance: 11.050m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.04V I:0.0483A P:10.124W PF:0.9112 Freq:49.99Hz Lamp Flux:1200.04x1 lm		
NAME: 017440234 4000K 10W 1200lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

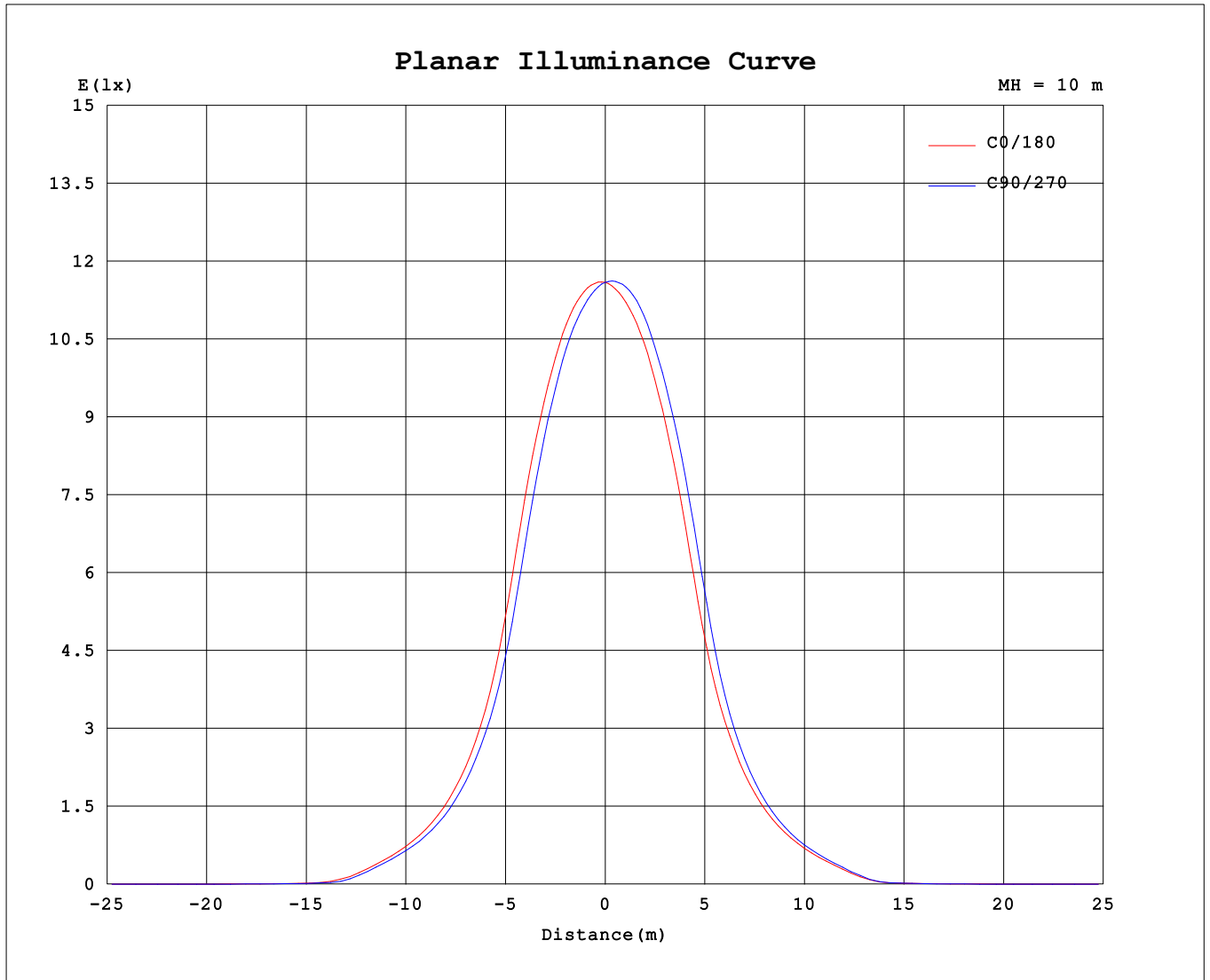
AvgL	cd/m2
L_0~180 (65) av	809
L_0~180 (75) av	861
L_0~180 (85) av	1628
L_90~270 (65) av	776
L_90~270 (75) av	796
L_90~270 (85) av	580
L_45 (65) av	793
L_45 (75) av	820
L_45 (85) av	1050

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Testing Room
Test Date:2026-02-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:11.050m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: Testing Room
 Test Date: 2026-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.471
 Humidity: 65.0%
 Test Distance: 11.050m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.04V I:0.0483A P:10.124W PF:0.9112 Freq:49.99Hz Lamp Flux:1200.04x1 lm		
NAME: 017440234 4000K 10W 1200lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Testing Room
Test Date:2026-02-28

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:11.050m [K=1.0000]
Remarks:

```