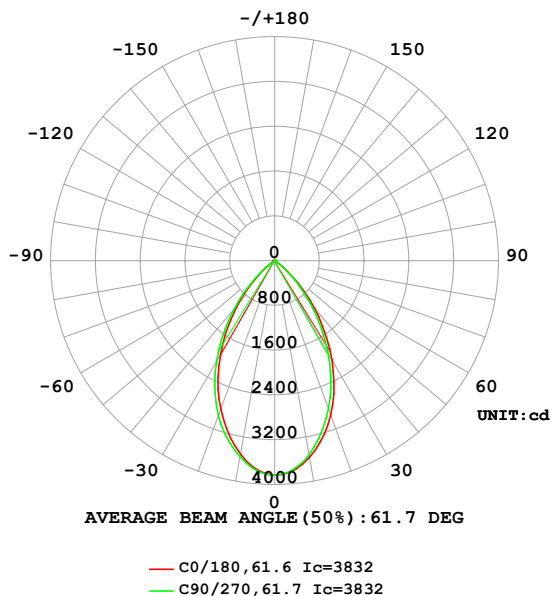


LUMINAIRE PHOTOMETRIC TEST REPORT

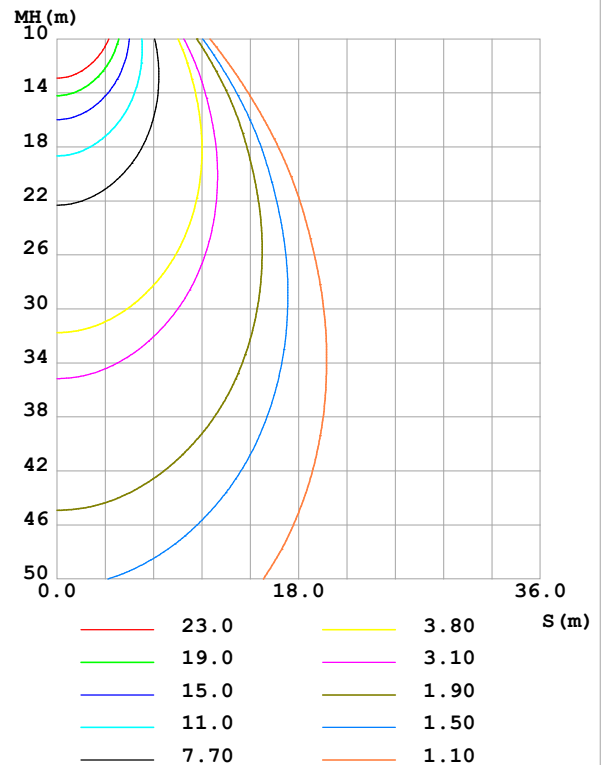
Test:U:230.51V I:0.1315A P:26.495W PF:0.8742 Freq:50.18Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 6-0927-F	Test NO: 20260718-C002	Report NO: 20260718-B002
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.34 lm/W			
MODEL	BRIDGELUX 2835	I _{max} (cd)	3832	S/MH(C0/180)	0.89
NOMINAL POWER(W)	10	LOR(%)	82.0	S/MH(C90/270)	0.92
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3983.2	η UP,DN(C0-180)	0.0,40.4
NOMINAL FLUX(lm)	4858.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,41.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	34.9	η down (%)	82.0	CIBSE SHR MAX	0.95

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.0°C
Operators: ZJW
Test Date: 2026-07-18

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity: 60.0%
Test Distance: 7.710m [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	3572	3539	3525	3521	3514	3535	3563	3565	0- 10	351.6	351.6	8.83,7.24
20	2936	2859	2813	2781	2823	2869	2945	2968	10- 20	905.0	1257	31.5,25.9
30	2048	1985	1911	1891	1941	1993	2075	2095	20- 30	1121	2377	59.7,48.9
40	1108	1058	992.3	991.4	1026	1081	1138	1156	30- 40	944.4	3322	83.4,68.4
50	302.4	277.3	245.6	246.3	262.9	285.1	316.3	319.8	40- 50	495.5	3817	95.8,78.6
60	26.38	26.31	29.90	33.94	29.16	25.65	22.62	21.55	50- 60	90.34	3908	98.1,80.4
70	21.15	23.81	28.02	30.32	28.08	24.46	21.95	20.30	60- 70	25.32	3933	98.7,80.9
80	20.93	24.77	27.88	30.63	27.05	23.81	19.41	20.64	70- 80	26.39	3959	99.4,81.5
90	18.86	20.24	22.31	24.80	22.57	17.37	14.57	16.70	80- 90	23.86	3983	100,82
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): 3682.8 lm

%lum = 92.5%

%lamp = 75.8%

Conical surface Flux(130deg): 3922.8 lm

%lum = 98.5%

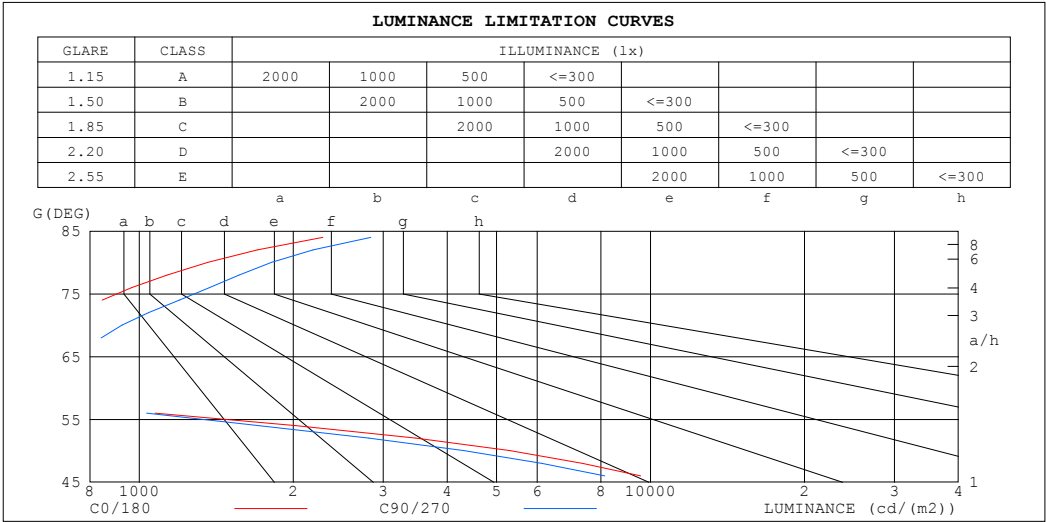
%lamp = 80.7%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-07-18

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.51V I:0.1315A P:26.495W PF:0.8742 Freq:50.18Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 6-0927-F	Test NO: 20260718-C002	Report NO: 20260718-B002
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2738	3401
80	1360	1812
75	900	1276
70	698	925
65	632	756
60	596	675
55	2074	1754
50	5310	4313
45	12058	10449

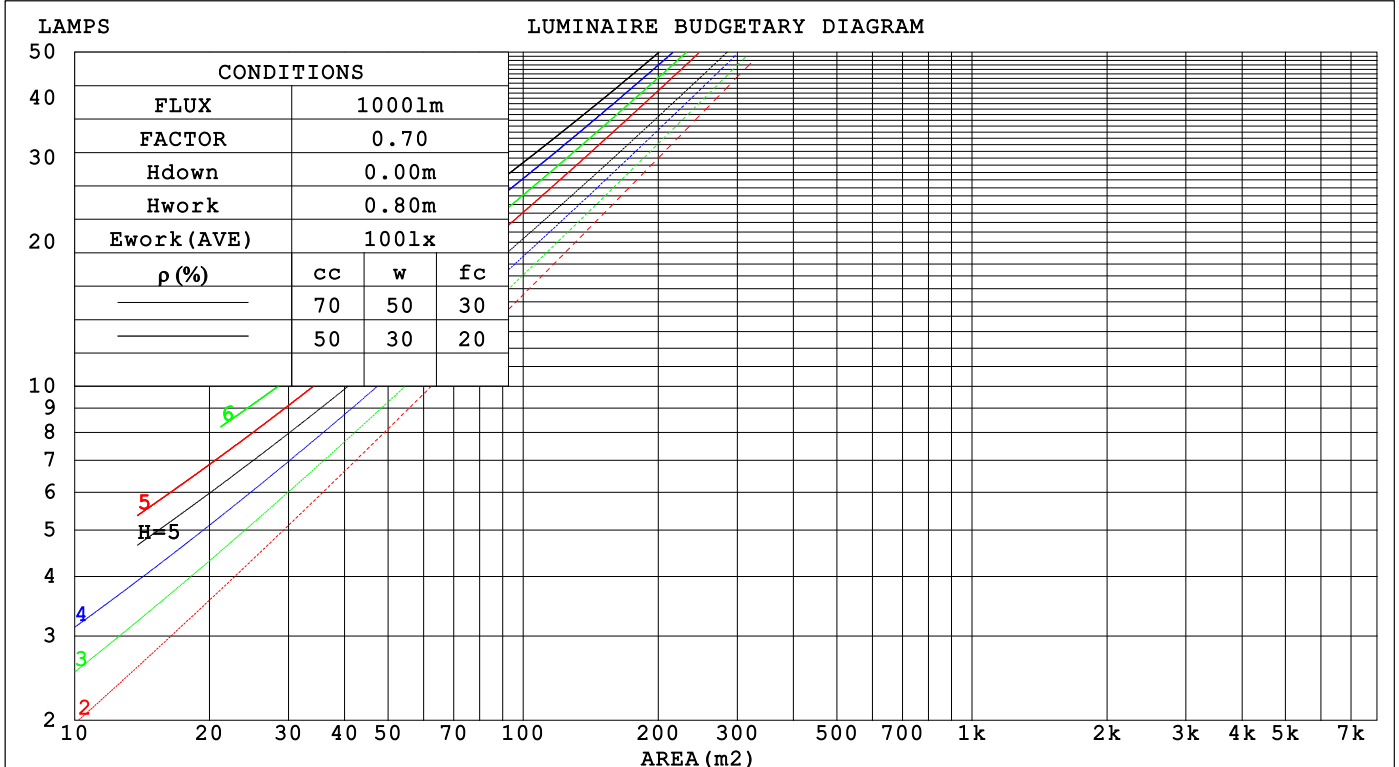
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-07-18

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.51V I:0.1315A P:26.495W PF:0.8742 Freq:50.18Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:4858.8x1 lm		
LumCAT: 6-0927-F			Test NO: 20260718-C002			Report NO: 20260718-B002		
LED HOLDER: 92.70.553.00			DIM.:			Lamp No.: 1		
LampCAT:			MFR.: NATA					

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	.98	.98	.98	.95	.95	.95	.91	.91	.91	.87	.87	.87	.84	.84	.84	.82
1.0	.90	.88	.86	.88	.86	.84	.85	.83	.82	.82	.80	.79	.79	.78	.77	.75
2.0	.83	.79	.76	.81	.78	.75	.79	.76	.74	.76	.74	.72	.74	.72	.71	.69
3.0	.77	.72	.68	.75	.71	.68	.73	.70	.67	.71	.68	.66	.69	.67	.65	.63
4.0	.71	.66	.62	.70	.65	.62	.68	.64	.61	.66	.63	.60	.65	.62	.60	.58
5.0	.66	.61	.57	.65	.60	.56	.64	.59	.56	.62	.58	.55	.61	.58	.55	.54
6.0	.61	.56	.52	.61	.56	.52	.59	.55	.52	.58	.54	.51	.57	.54	.51	.50
7.0	.57	.52	.48	.57	.52	.48	.55	.51	.48	.54	.50	.47	.54	.50	.47	.46
8.0	.53	.48	.44	.53	.48	.44	.52	.47	.44	.51	.47	.44	.50	.47	.44	.43
9.0	.50	.45	.41	.50	.45	.41	.49	.44	.41	.48	.44	.41	.47	.44	.41	.40
10.0	.47	.42	.39	.47	.42	.39	.46	.42	.38	.45	.41	.38	.45	.41	.38	.37



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.0℃
 Operators:ZJW
 Test Date:2026-07-18

γ Range: 0 - 90DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
 Humidity:60.0%
 Test Distance:7.710m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.51V I:0.1315A P:26.495W PF:0.8742 Freq:50.18Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:4858.8x1 lm		
LumCAT: 6-0927-F			Test NO: 20260718-C002			Report NO: 20260718-B002		
LED HOLDER: 92.70.553.00			DIM.:			Lamp No.: 1		
LampCAT:			MFR.: NATA					

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	.163	.093	.029	.157	.090	.029	.147	.084	.027	.137	.079	.025	.129	.075	.024															
2.0	.155	.085	.026	.151	.083	.026	.142	.079	.024	.134	.075	.023	.126	.071	.022															
3.0	.148	.079	.024	.144	.077	.023	.136	.074	.022	.129	.071	.022	.122	.068	.021															
4.0	.140	.073	.021	.137	.072	.021	.130	.069	.021	.124	.067	.020	.118	.064	.020															
5.0	.133	.068	.020	.130	.067	.019	.124	.065	.019	.119	.063	.019	.114	.061	.018															
6.0	.127	.064	.018	.124	.063	.018	.119	.061	.018	.114	.059	.017	.110	.058	.017															
7.0	.121	.060	.017	.119	.059	.017	.114	.058	.017	.110	.056	.016	.106	.055	.016															
8.0	.115	.056	.016	.113	.056	.016	.109	.055	.016	.105	.053	.015	.102	.052	.015															
9.0	.110	.053	.015	.108	.053	.015	.105	.052	.015	.101	.051	.015	.098	.050	.014															
10.0	.106	.051	.014	.104	.050	.014	.100	.049	.014	.097	.048	.014	.094	.047	.014															

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	.156	.156	.156	.133	.133	.133	.091	.091	.091	.052	.052	.052	.017	.017	.017	
1.0	.142	.129	.117	.121	.111	.101	.083	.076	.070	.048	.044	.041	.015	.014	.013	
2.0	.130	.109	.090	.111	.093	.078	.076	.065	.055	.044	.038	.032	.014	.012	.010	
3.0	.121	.093	.071	.103	.080	.062	.071	.056	.043	.041	.033	.026	.013	.011	.008	
4.0	.113	.081	.057	.097	.070	.050	.067	.049	.035	.039	.029	.021	.012	.009	.007	
5.0	.106	.072	.047	.091	.062	.041	.063	.044	.029	.036	.026	.017	.012	.008	.006	
6.0	.100	.065	.039	.086	.056	.034	.059	.039	.024	.035	.023	.014	.011	.008	.005	
7.0	.095	.059	.033	.082	.051	.029	.057	.036	.020	.033	.021	.012	.011	.007	.004	
8.0	.091	.054	.028	.078	.046	.025	.054	.033	.017	.031	.019	.010	.010	.006	.003	
9.0	.086	.049	.024	.074	.043	.021	.052	.030	.015	.030	.018	.009	.010	.006	.003	
10.0	.083	.046	.021	.071	.040	.019	.049	.028	.013	.029	.017	.008	.009	.005	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-07-18

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.51V I:0.1315A P:26.495W PF:0.8742 Freq:50.18Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm										
LumCAT: 6-0927-F					Test NO: 20260718-C002			Report NO: 20260718-B002		
LED HOLDER: 92.70.553.00					DIM.:			Lamp No.: 1		
LampCAT:					MFR.: NATA					
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	21.1	22.1	21.3	22.3	22.5	20.6	21.7	20.9	21.9	22.0
3H	20.9	21.9	21.2	22.1	22.3	20.5	21.5	20.8	21.7	21.9
4H	20.9	21.8	21.2	22.0	22.2	20.5	21.4	20.8	21.6	21.9
6H	20.9	21.7	21.2	22.0	22.2	20.6	21.4	20.9	21.7	21.9
8H	20.9	21.7	21.2	22.0	22.2	20.6	21.5	20.9	21.7	22.0
12H	20.9	21.7	21.3	22.0	22.3	20.8	21.5	21.1	21.8	22.1
4H 2H	20.8	21.7	21.1	22.0	22.2	20.4	21.3	20.7	21.5	21.8
3H	20.7	21.5	21.0	21.8	22.0	20.3	21.1	20.6	21.4	21.6
4H	20.7	21.4	21.0	21.7	22.0	20.3	21.0	20.7	21.3	21.7
6H	20.7	21.3	21.1	21.7	22.0	20.5	21.1	20.9	21.5	21.8
8H	20.8	21.4	21.2	21.7	22.1	20.6	21.2	21.0	21.6	21.9
12H	21.0	21.5	21.4	21.9	22.3	20.9	21.4	21.3	21.8	22.2
8H 4H	20.6	21.2	21.0	21.5	21.9	20.3	20.8	20.7	21.2	21.6
6H	20.7	21.2	21.2	21.6	22.0	20.5	21.0	20.9	21.4	21.8
8H	20.9	21.3	21.3	21.7	22.2	20.8	21.2	21.2	21.6	22.1
12H	21.2	21.5	21.6	22.0	22.4	21.2	21.6	21.7	22.0	22.5
12H 4H	20.6	21.1	21.0	21.5	21.9	20.2	20.8	20.6	21.1	21.5
6H	20.7	21.2	21.2	21.6	22.0	20.5	20.9	21.0	21.4	21.8
8H	20.9	21.3	21.4	21.7	22.2	20.8	21.2	21.3	21.6	22.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.1 / - 5.6					+ 2.0 / - 4.5				
1.5H	+ 3.4 / - 6.1					+ 3.1 / - 5.0				
2.0H	+ 5.7 / - 3.7					+ 4.8 / - 2.6				

CIE Pub.117, 4859 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.5)
 Area: 0.0886 m2

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.0℃
 Operators:ZJW
 Test Date:2026-07-18

γ Range: 0 - 90DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
 Humidity:60.0%
 Test Distance:7.710m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.51V I:0.1315A P:26.495W PF:0.8742 Freq:50.18Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 6-0927-F	Test NO: 20260718-C002	Report NO: 20260718-B002
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

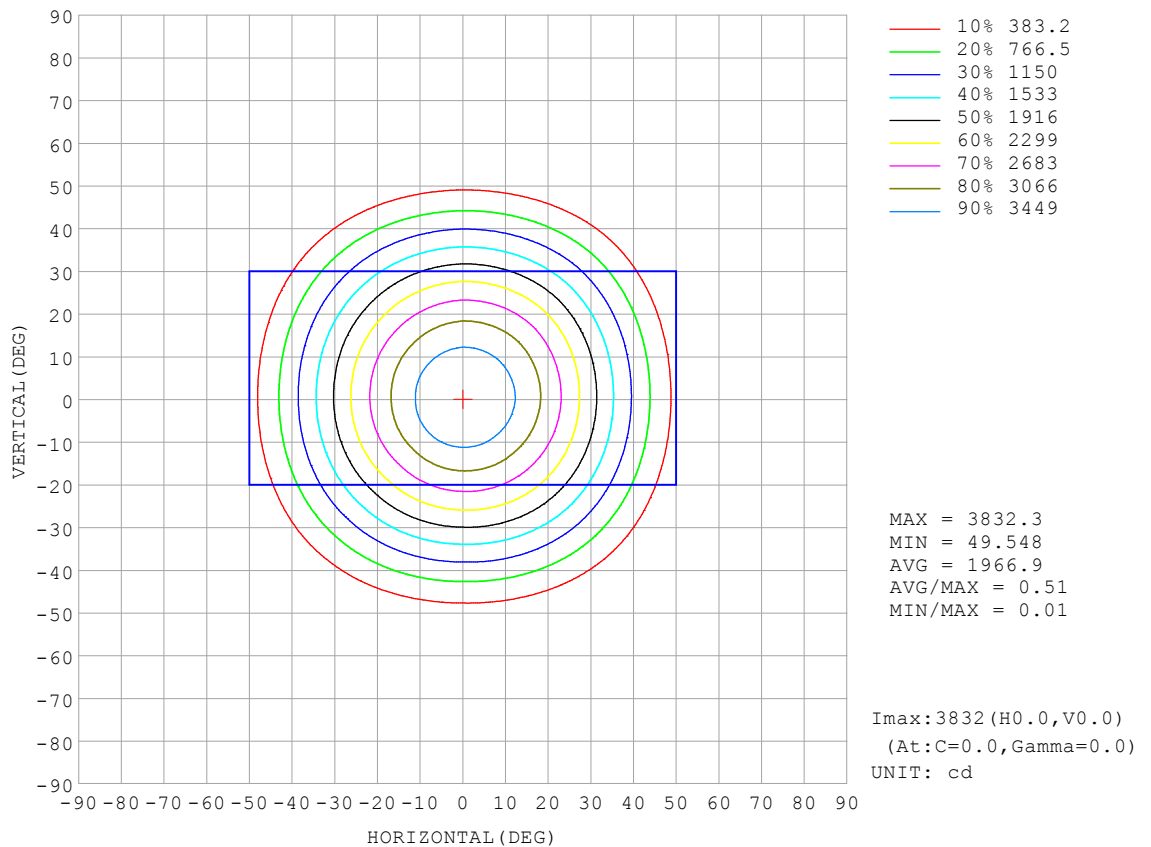
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	66	60	57	66	60	57	65	60	57	53
0.80	73	68	64	73	67	64	72	67	64	60
1.00	78	73	69	77	72	69	76	72	68	65
1.25	82	77	74	81	76	73	79	75	73	69
1.50	84	80	77	83	79	76	82	78	75	71
2.00	87	83	80	86	83	80	84	81	79	74
2.50	89	85	82	88	84	82	85	82	80	75
3.00	90	87	85	89	86	84	86	84	82	76
4.00	92	90	87	90	88	86	87	86	84	78
5.00	93	91	89	91	90	88	88	87	85	79
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.0°C
 Operators: ZJW
 Test Date: 2026-07-18

γ Range: 0 - 90DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.491
 Humidity: 60.0%
 Test Distance: 7.710m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.51V I:0.1315A P:26.495W PF:0.8742 Freq:50.18Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 6-0927-F	Test NO: 20260718-C002	Report NO: 20260718-B002
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

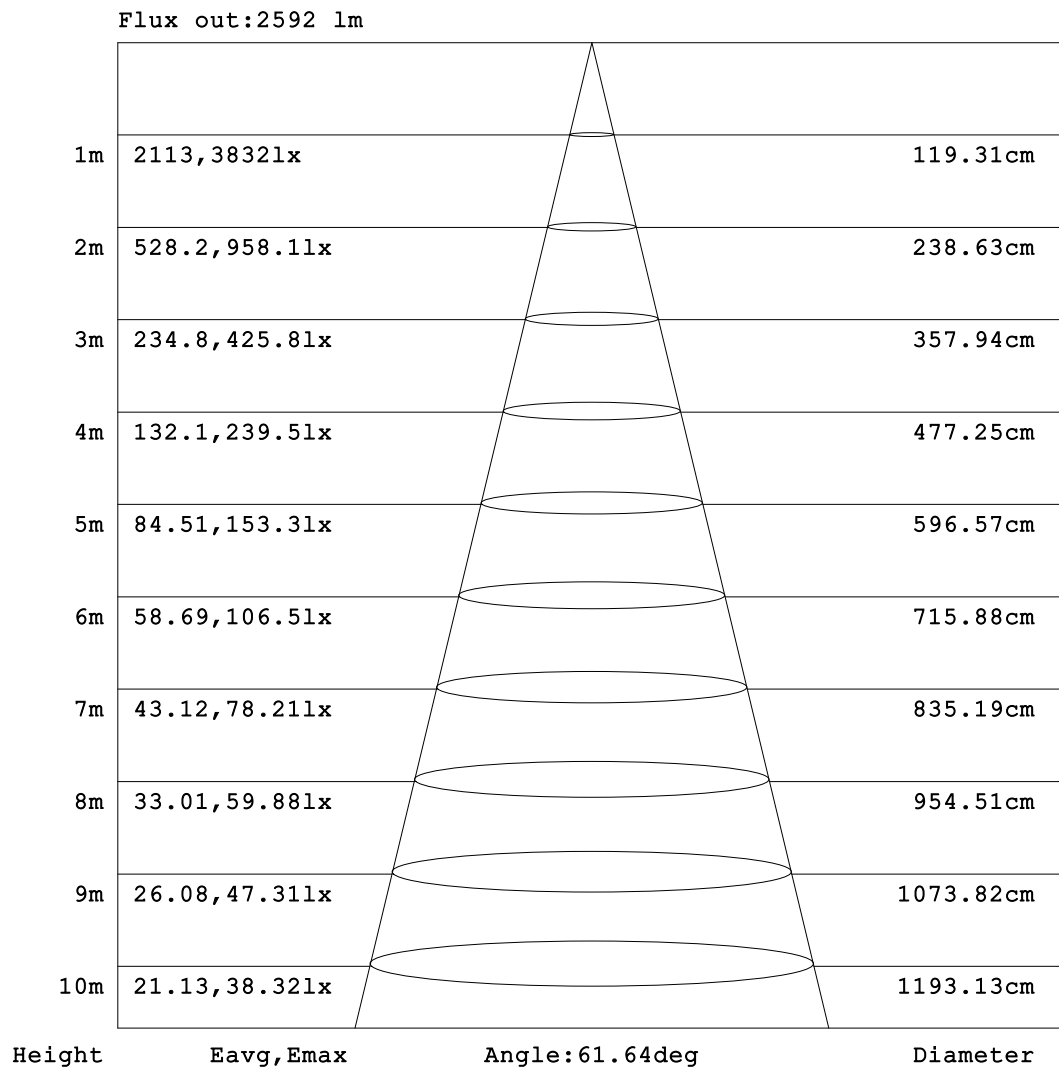


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0°C
Operators:ZJW
Test Date:2026-07-18

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.51V I:0.1315A P:26.495W PF:0.8742 Freq:50.18Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 6-0927-F	Test NO: 20260718-C002	Report NO: 20260718-B002
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	



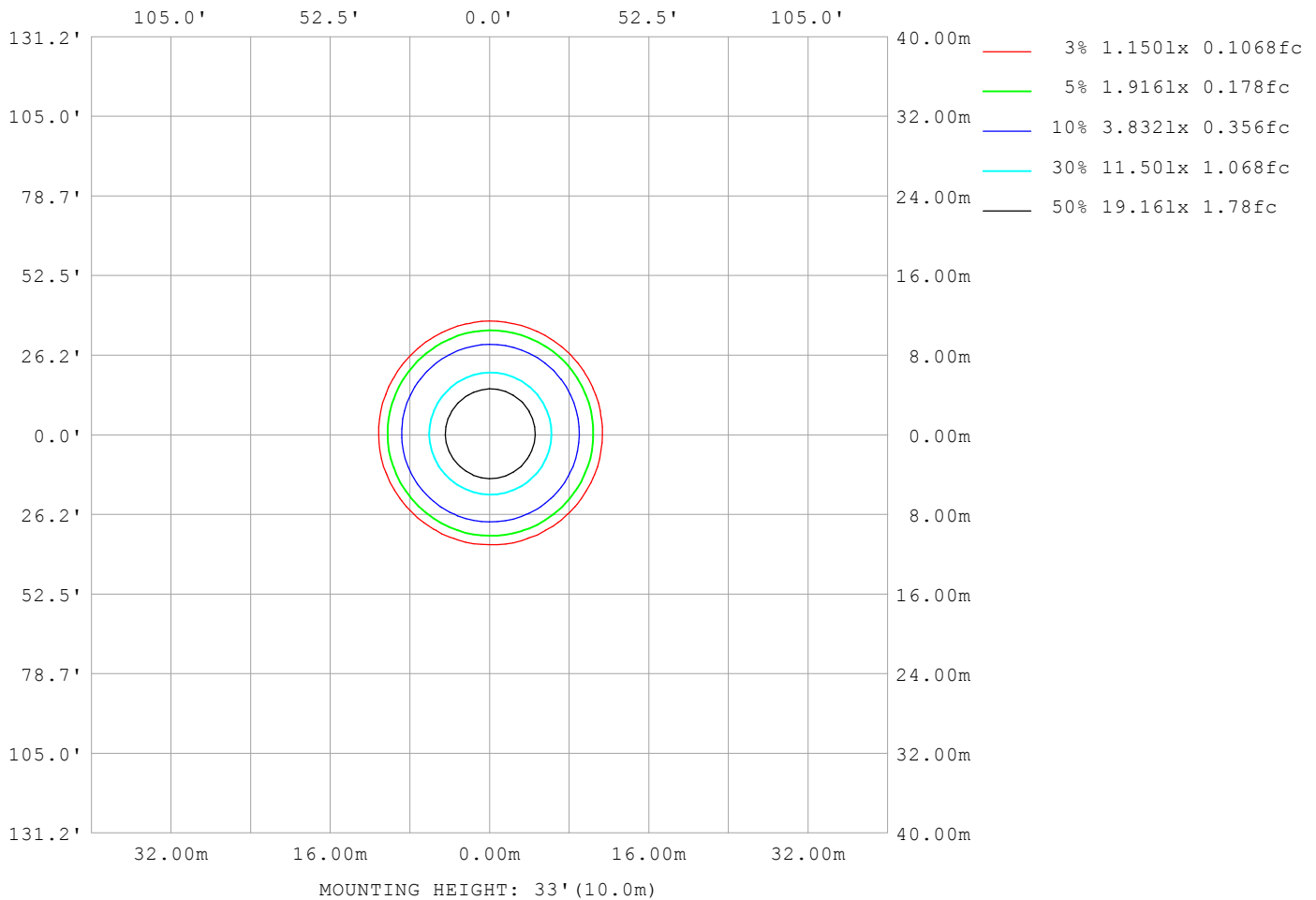
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-07-18

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.51V I:0.1315A P:26.495W PF:0.8742 Freq:50.18Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 6-0927-F	Test NO: 20260718-C002	Report NO: 20260718-B002
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0°C
Operators:ZJW
Test Date:2026-07-18

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.51V I:0.1315A P:26.495W PF:0.8742 Freq:50.18Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 6-0927-F	Test NO: 20260718-C002	Report NO: 20260718-B002
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

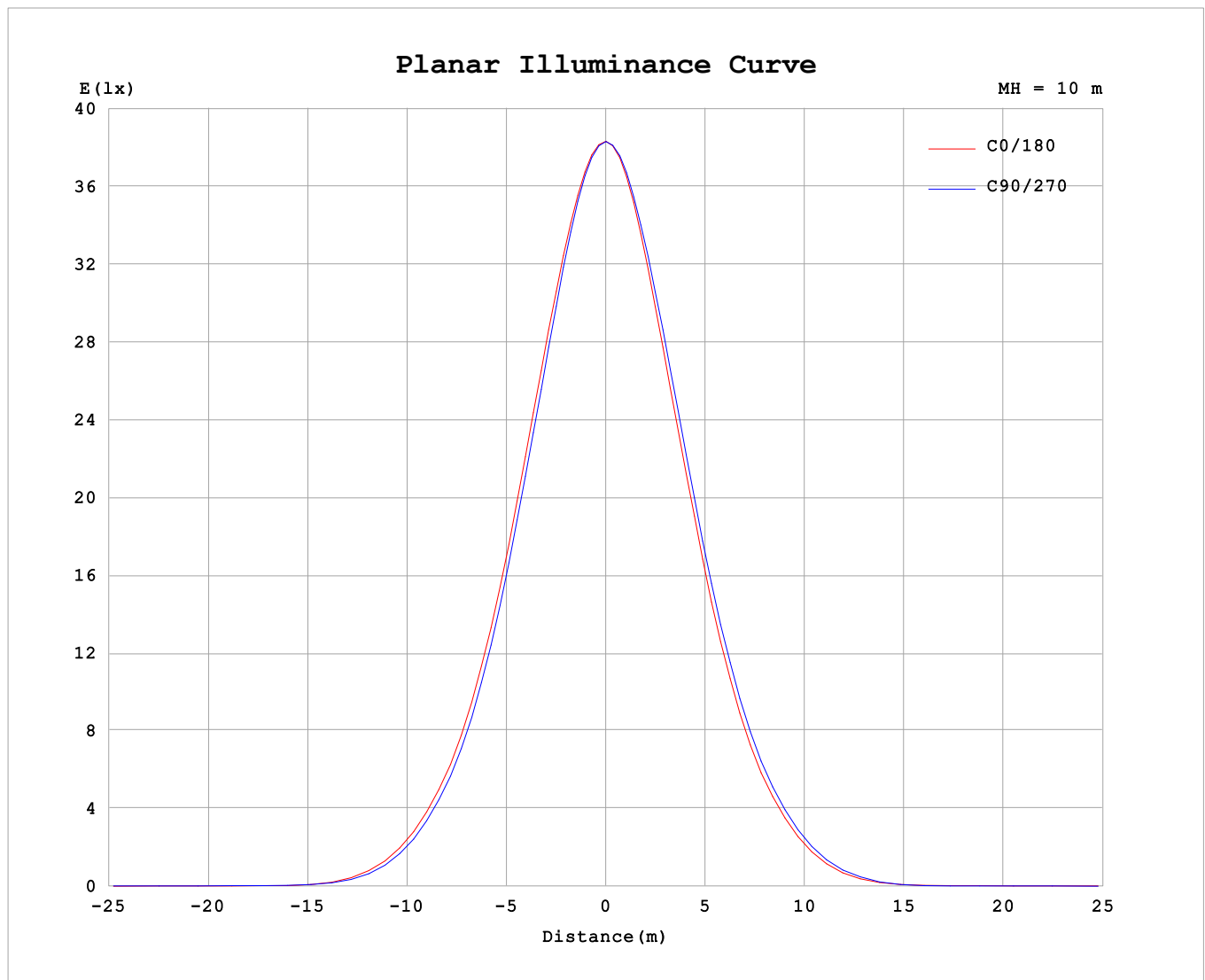
AvgL	cd/m2
L_0~180 (65) av	690
L_0~180 (75) av	1058
L_0~180 (85) av	2997
L_90~270 (65) av	670
L_90~270 (75) av	1126
L_90~270 (85) av	2593
L_45 (65) av	675
L_45 (75) av	1101
L_45 (85) av	2833

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-07-18

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.0°C
 Operators: ZJW
 Test Date: 2026-07-18

γ Range: 0 - 90DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.491
 Humidity: 60.0%
 Test Distance: 7.710m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.51V I:0.1315A P:26.495W PF:0.8742 Freq:50.18Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 6-0927-F	Test NO: 20260718-C002	Report NO: 20260718-B002
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.0°C
Operators: ZJW
Test Date: 2026-07-18

```

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

```