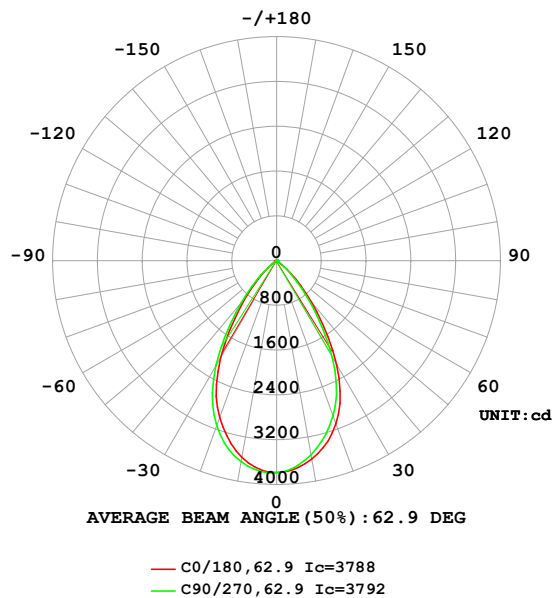


LUMINAIRE PHOTOMETRIC TEST REPORT

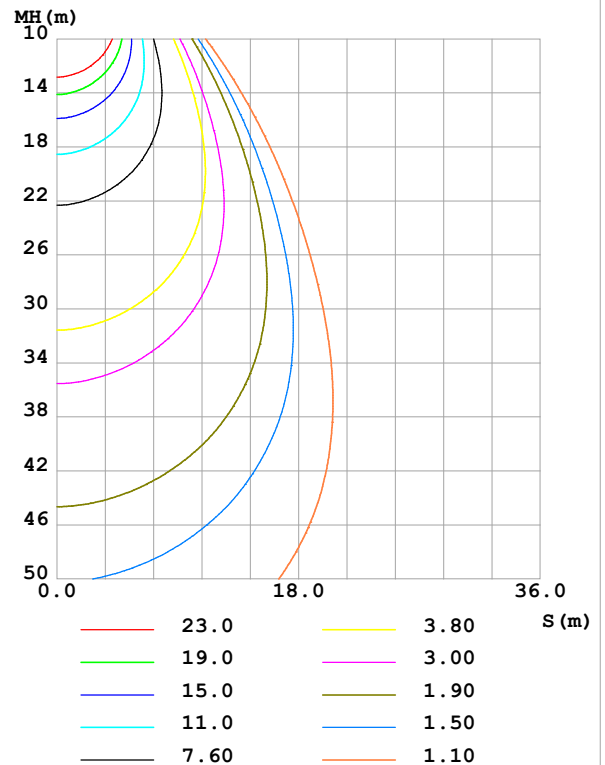
Test:U:230.51V I:0.1314A P:26.504W PF:0.8749 Freq:50.18Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 7-0916-F	Test NO: 20260718-C003	Report NO: 20260718-B003
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.68 lm/W			
MODEL	BRIDGELUX 2835	I _{max} (cd)	3792	S/MH(C0/180)	0.93
NOMINAL POWER(W)	10	LOR(%)	81.1	S/MH(C90/270)	0.96
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3940.6	η UP,DN(C0-180)	0.0,39.9
NOMINAL FLUX(lm)	4858.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,41.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	34.9	η down (%)	81.1	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℃
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	3602	3547	3524	3534	3571	3619	3649	3645	0- 10	351.7	351.7	8.93,7.24
20	3101	3020	2946	2927	2974	3054	3135	3151	10- 20	939.0	1291	32.8,26.6
30	2144	2062	1980	1952	2000	2066	2173	2195	20- 30	1190	2481	63,51.1
40	972.8	917.8	850.6	826.3	863.4	918.0	991.6	1012	30- 40	909.3	3390	86,69.8
50	243.4	222.6	193.2	190.6	204.0	225.3	253.1	259.2	40- 50	408.1	3798	96.4,78.2
60	23.02	22.77	26.98	31.04	26.61	23.07	20.03	18.91	50- 60	66.29	3864	98.1,79.5
70	20.71	23.87	28.71	30.62	28.17	23.98	21.42	19.80	60- 70	24.06	3888	98.7,80
80	21.91	26.50	29.98	32.09	27.99	24.49	20.03	21.18	70- 80	27.14	3915	99.4,80.6
90	20.21	21.47	23.69	25.98	23.40	18.03	14.97	17.87	80- 90	25.15	3941	100,81.1
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): 3689.4 lm

%lum = 93.6%

%lamp = 75.9%

Conical surface Flux(130deg): 3878.4 lm

%lum = 98.4%

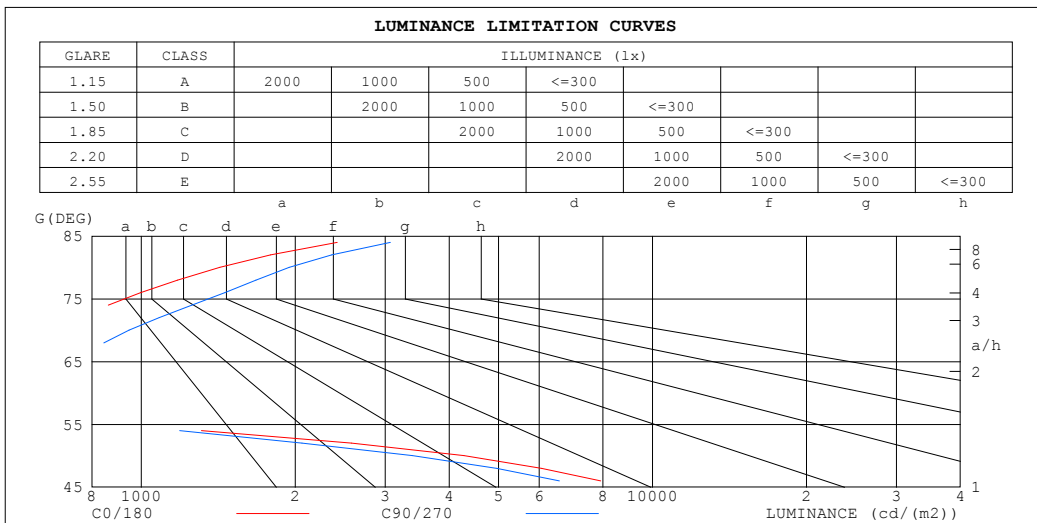
%lamp = 79.8%

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:0.1314A P:26.504W PF:0.8749 Freq:50.18Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 7-0916-F	Test NO: 20260718-C003	Report NO: 20260718-B003
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	



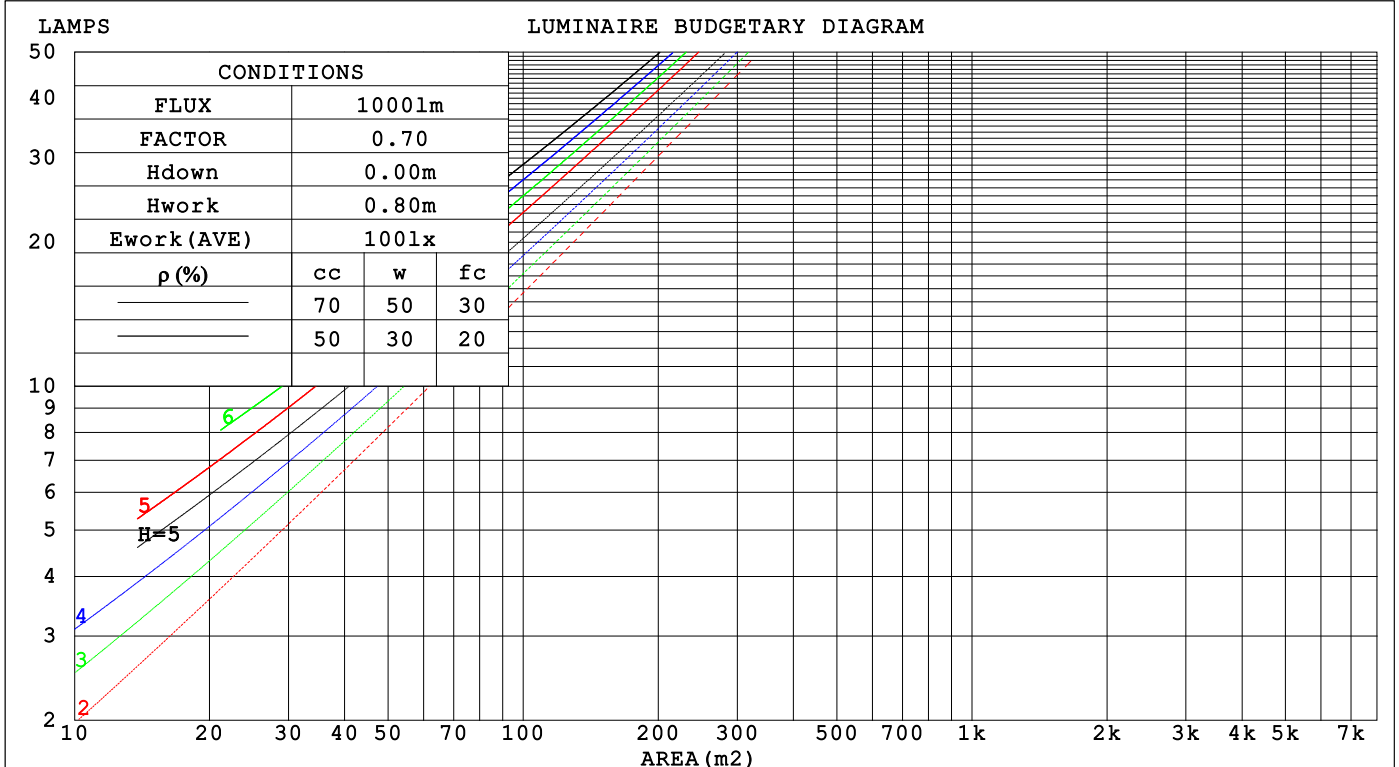
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-07-18

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:0.1314A P:26.504W PF:0.8749 Freq:50.18Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:4858.8x1 lm		
LumCAT: 7-0916-F			Test NO: 20260718-C003			Report NO: 20260718-B003		
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	.97	.97	.97	.94	.94	.94	.90	.90	.90	.86	.86	.86	.83	.83	.83	.81
1.0	.89	.87	.85	.87	.85	.83	.84	.82	.81	.81	.80	.78	.78	.77	.76	.75
2.0	.82	.79	.76	.81	.78	.75	.78	.76	.73	.76	.74	.72	.73	.72	.70	.69
3.0	.76	.72	.68	.75	.71	.68	.73	.69	.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	.57	.64	.59	.56	.62	.59	.56	.61	.58	.55	.54
6.0	.61	.56	.52	.61	.56	.52	.59	.55	.52	.58	.54	.52	.57	.54	.51	.50
7.0	.57	.52	.49	.57	.52	.48	.56	.51	.48	.55	.51	.48	.54	.50	.48	.46
8.0	.54	.49	.45	.53	.48	.45	.52	.48	.45	.51	.47	.45	.51	.47	.44	.43
9.0	.50	.45	.42	.50	.45	.42	.49	.45	.42	.49	.44	.42	.48	.44	.41	.40
10.0	.48	.43	.39	.47	.42	.39	.46	.42	.39	.46	.42	.39	.45	.41	.39	.38



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:0.1314A P:26.504W PF:0.8749 Freq:50.18Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:4858.8x1 lm		
LumCAT: 7-0916-F			Test NO: 20260718-C003			Report NO: 20260718-B003		
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	.159	.090	.029	.154	.088	.028	.143	.082	.026	.134	.077	.025	.125	.073	.023															
2.0	.151	.083	.025	.146	.081	.025	.138	.077	.024	.130	.073	.023	.122	.069	.022															
3.0	.143	.076	.023	.139	.075	.022	.132	.071	.022	.125	.068	.021	.118	.066	.020															
4.0	.136	.071	.021	.133	.069	.020	.126	.067	.020	.120	.064	.019	.114	.062	.019															
5.0	.129	.066	.019	.126	.065	.019	.121	.063	.018	.115	.061	.018	.110	.059	.018															
6.0	.123	.062	.018	.120	.061	.018	.115	.059	.017	.111	.058	.017	.106	.056	.017															
7.0	.117	.058	.016	.115	.057	.016	.111	.056	.016	.106	.055	.016	.103	.053	.016															
8.0	.112	.055	.015	.110	.054	.015	.106	.053	.015	.102	.052	.015	.099	.051	.015															
9.0	.107	.052	.014	.105	.051	.014	.102	.050	.014	.098	.049	.014	.095	.048	.014															
10.0	.103	.049	.014	.101	.049	.014	.098	.048	.013	.095	.047	.013	.092	.046	.013															

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	.154	.154	.154	.132	.132	.132	.090	.090	.090	.052	.052	.052	.017	.017	.017	
1.0	.140	.127	.116	.120	.109	.100	.082	.075	.069	.047	.044	.040	.015	.014	.013	
2.0	.128	.107	.090	.110	.092	.078	.075	.064	.054	.043	.037	.032	.014	.012	.010	
3.0	.119	.092	.071	.102	.080	.062	.070	.055	.043	.040	.032	.025	.013	.010	.008	
4.0	.111	.080	.057	.095	.069	.050	.065	.048	.035	.038	.028	.021	.012	.009	.007	
5.0	.104	.071	.047	.089	.062	.041	.062	.043	.029	.036	.025	.017	.012	.008	.006	
6.0	.098	.064	.039	.085	.055	.034	.058	.039	.024	.034	.023	.014	.011	.007	.005	
7.0	.093	.058	.033	.080	.050	.029	.055	.035	.020	.032	.021	.012	.010	.007	.004	
8.0	.089	.053	.028	.076	.046	.025	.053	.032	.017	.031	.019	.010	.010	.006	.003	
9.0	.085	.049	.024	.073	.042	.021	.051	.030	.015	.029	.018	.009	.010	.006	.003	
10.0	.081	.045	.021	.070	.039	.019	.048	.028	.013	.028	.016	.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:0.1314A P:26.504W PF:0.8749 Freq:50.18Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 7-0916-F	Test NO: 20260718-C003	Report NO: 20260718-B003
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	20.4	21.4	20.6	21.6	21.7	19.9	20.9	20.1	21.1	21.3
3H	20.2	21.2	20.5	21.4	21.6	19.8	20.7	20.0	20.9	21.1
4H	20.2	21.1	20.5	21.3	21.5	19.8	20.7	20.1	20.9	21.1
6H	20.2	21.0	20.5	21.3	21.5	19.9	20.7	20.2	21.0	21.2
8H	20.2	21.1	20.6	21.3	21.6	20.0	20.8	20.3	21.1	21.4
12H	20.4	21.1	20.7	21.4	21.7	20.2	21.0	20.6	21.3	21.6
4H 2H	20.1	21.0	20.4	21.2	21.5	19.6	20.5	19.9	20.7	21.0
3H	20.0	20.8	20.3	21.0	21.3	19.6	20.3	19.9	20.6	20.9
4H	20.0	20.7	20.3	21.0	21.3	19.6	20.3	20.0	20.6	21.0
6H	20.1	20.7	20.5	21.0	21.4	19.9	20.5	20.3	20.9	21.2
8H	20.2	20.8	20.6	21.1	21.5	20.1	20.7	20.5	21.1	21.4
12H	20.4	21.0	20.9	21.3	21.7	20.5	21.0	20.9	21.4	21.8
8H 4H	19.9	20.5	20.3	20.9	21.2	19.6	20.2	20.0	20.5	20.9
6H	20.1	20.6	20.6	21.0	21.4	20.0	20.5	20.4	20.9	21.3
8H	20.4	20.8	20.8	21.2	21.6	20.4	20.8	20.8	21.2	21.6
12H	20.8	21.1	21.2	21.6	22.0	20.9	21.3	21.4	21.7	22.2
12H 4H	19.9	20.4	20.3	20.8	21.2	19.6	20.1	20.0	20.5	20.9
6H	20.2	20.6	20.6	21.0	21.5	20.0	20.4	20.5	20.9	21.3
8H	20.5	20.8	20.9	21.3	21.7	20.5	20.8	20.9	21.3	21.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.3 / - 4.7					+ 1.9 / - 3.6				
1.5H	+ 3.8 / - 5.4					+ 3.3 / - 4.1				
2.0H	+ 5.2 / - 2.7					+ 4.1 / - 1.8				

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:0.1314A P:26.504W PF:0.8749 Freq:50.18Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 7-0916-F	Test NO: 20260718-C003	Report NO: 20260718-B003
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

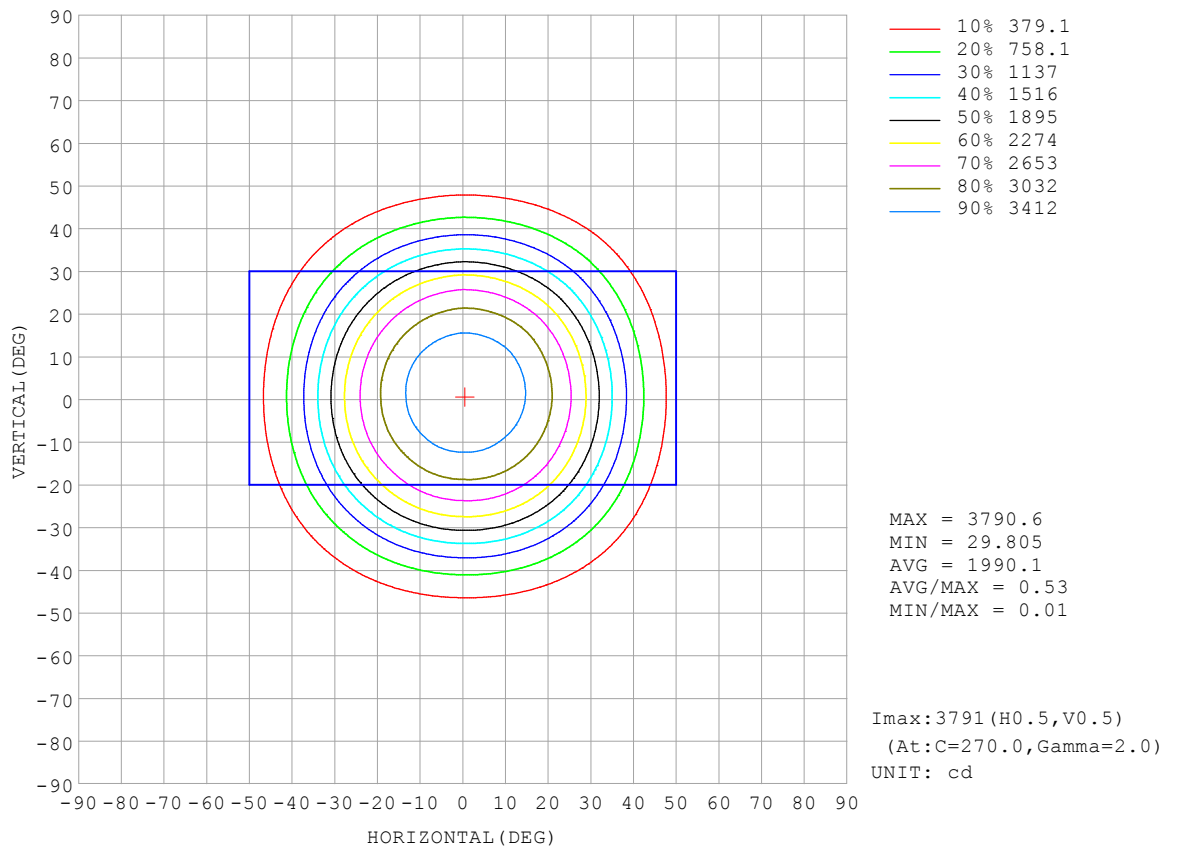
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	67	61	58	67	61	58	66	61	58	54
0.80	74	68	65	73	68	65	72	68	64	61
1.00	78	73	70	77	73	69	76	73	69	65
1.25	82	77	74	81	77	73	79	76	73	69
1.50	84	80	77	83	79	76	81	78	75	72
2.00	87	83	80	86	82	79	83	81	78	74
2.50	88	85	82	87	84	81	84	82	80	75
3.00	90	87	84	88	85	83	85	83	81	76
4.00	91	89	87	90	88	86	87	85	83	78
5.00	93	90	89	91	89	87	87	86	85	78
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:0.1314A P:26.504W PF:0.8749 Freq:50.18Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 7-0916-F	Test NO: 20260718-C003	Report NO: 20260718-B003
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

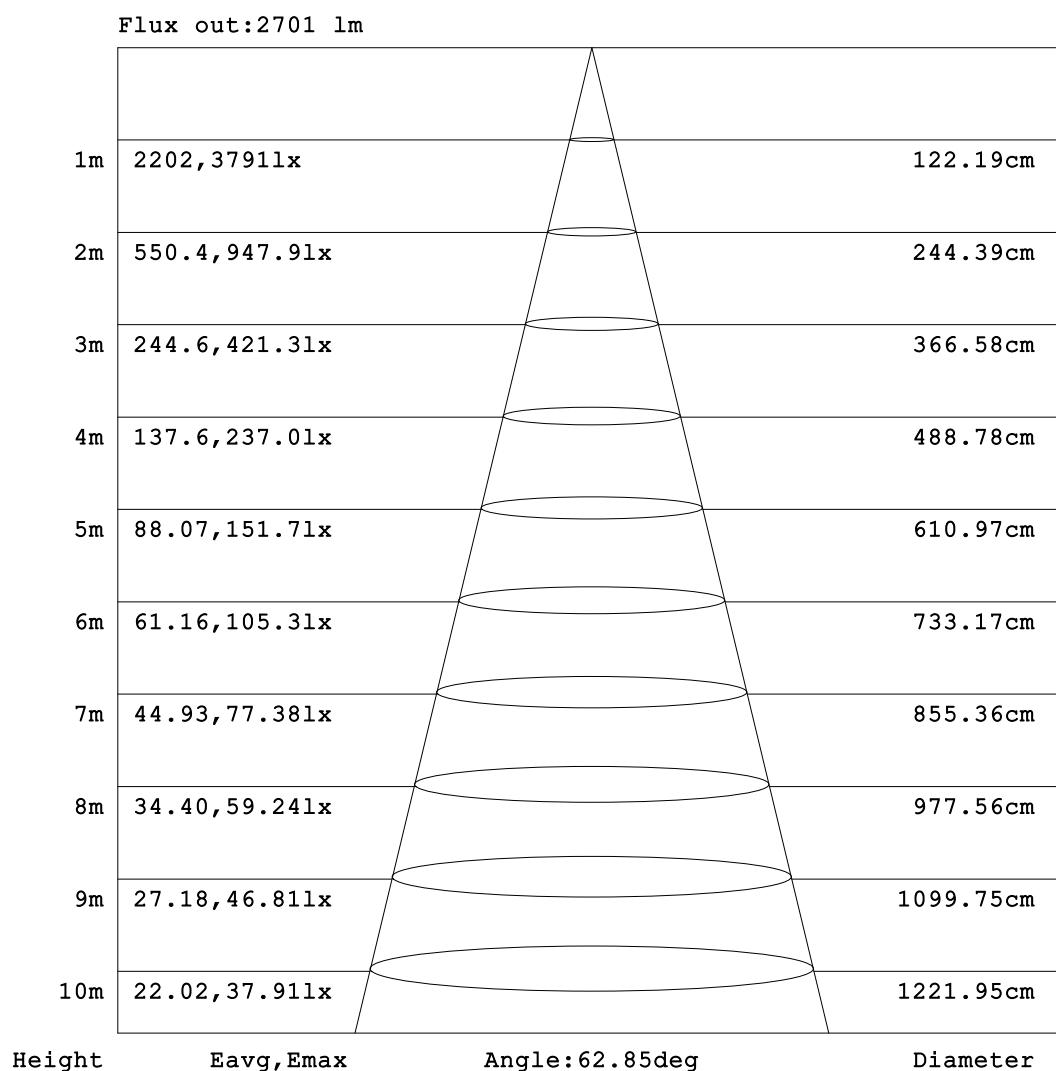


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0°C
Operators:ZJW
Test Date:2026-07-18

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:0.1314A P:26.504W PF:0.8749 Freq:50.18Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 7-0916-F	Test NO: 20260718-C003	Report NO: 20260718-B003
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

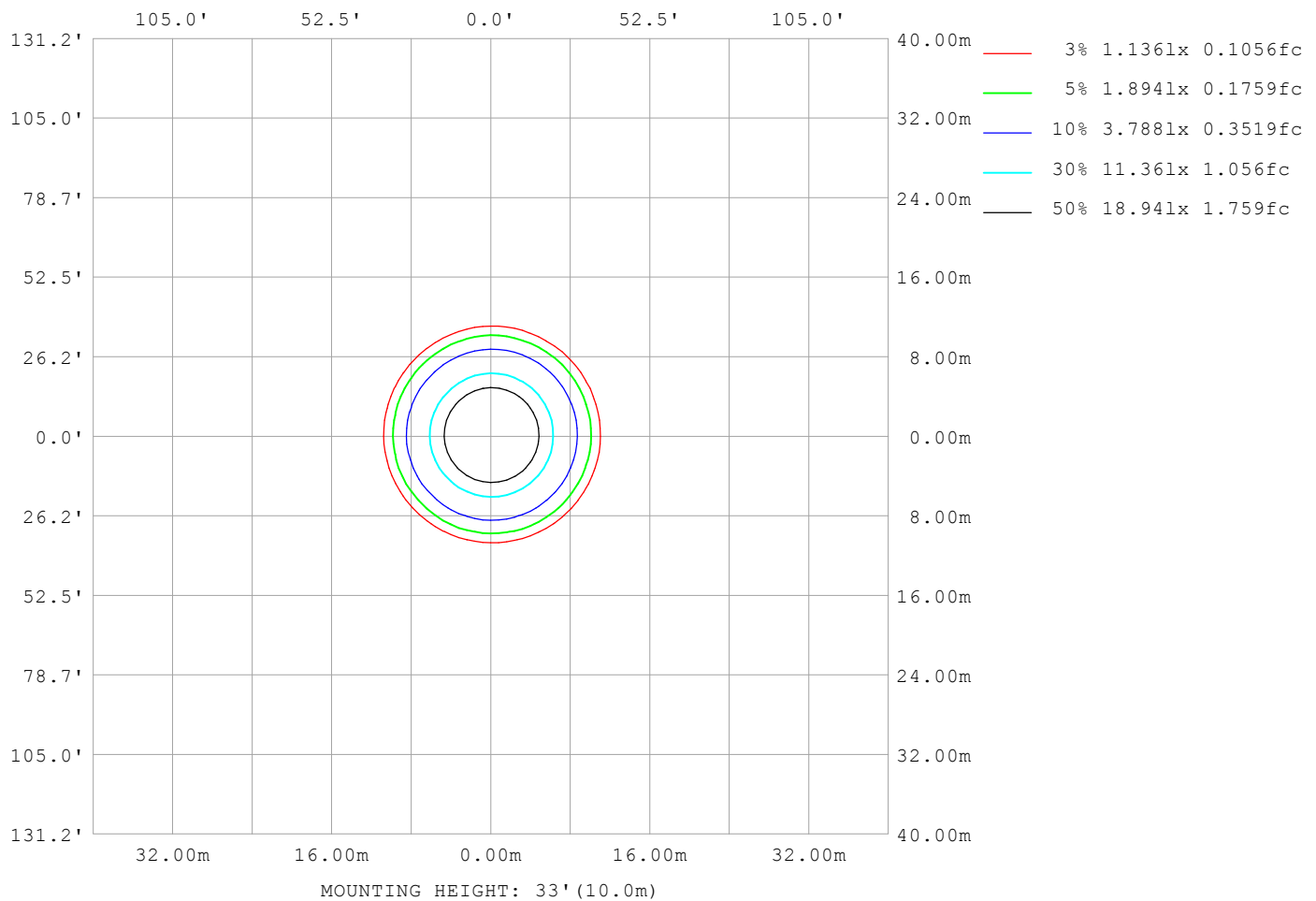


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-07-18

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:0.1314A P:26.504W PF:0.8749 Freq:50.18Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 7-0916-F	Test NO: 20260718-C003	Report NO: 20260718-B003
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:0.1314A P:26.504W PF:0.8749 Freq:50.18Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 7-0916-F	Test NO: 20260718-C003	Report NO: 20260718-B003
LED HOLDER: 92.70.553.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

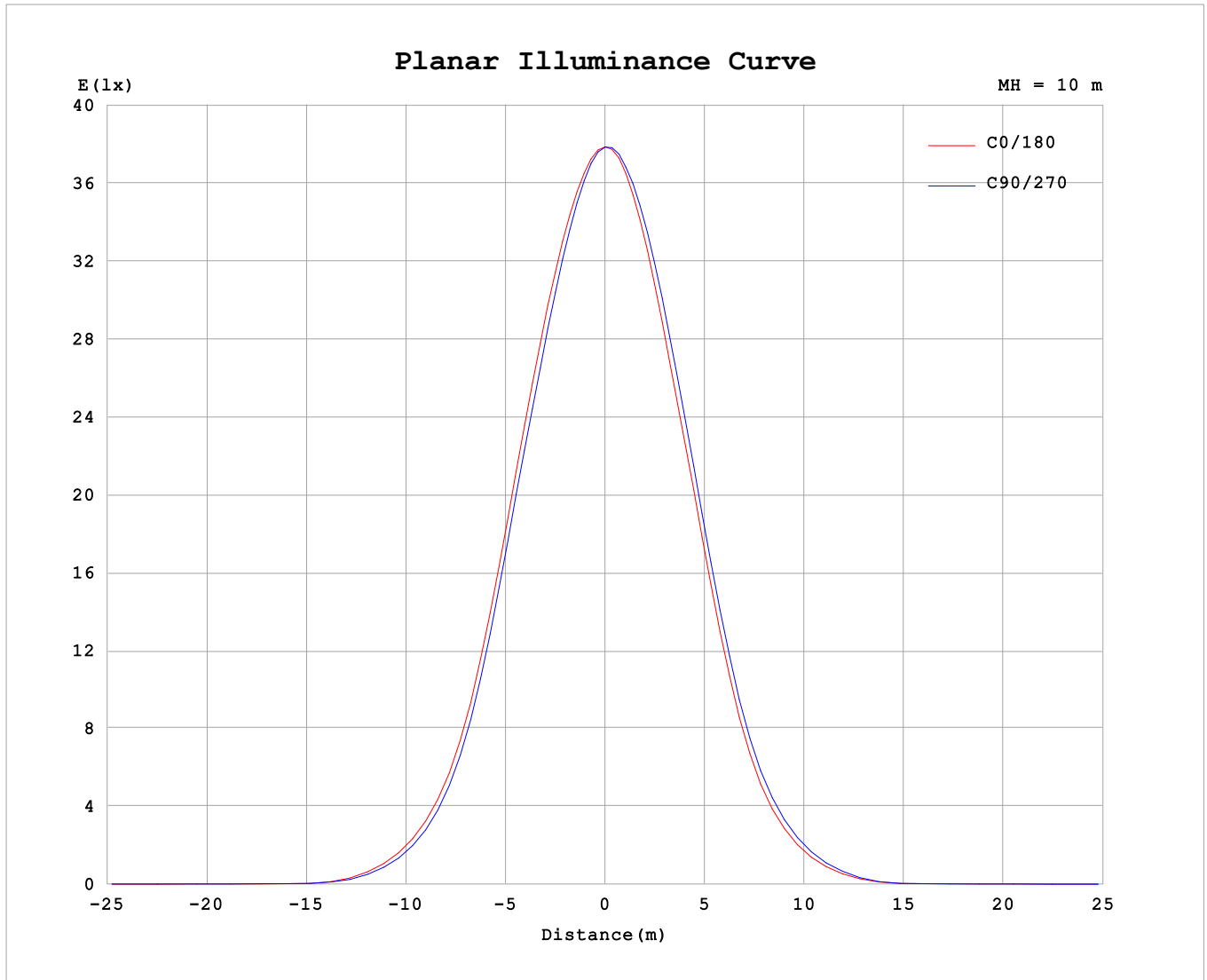
AvgL	cd/m2
L_0~180 (65) av	658
L_0~180 (75) av	1087
L_0~180 (85) av	3148
L_90~270 (65) av	644
L_90~270 (75) av	1170
L_90~270 (85) av	2760
L_45 (65) av	642
L_45 (75) av	1136
L_45 (85) av	2995

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:0.1314A P:26.504W PF:0.8749 Freq:50.18Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4858.8x1 lm		
LumCAT: 7-0916-F	Test NO: 20260718-C003	Report NO: 20260718-B003
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:

```