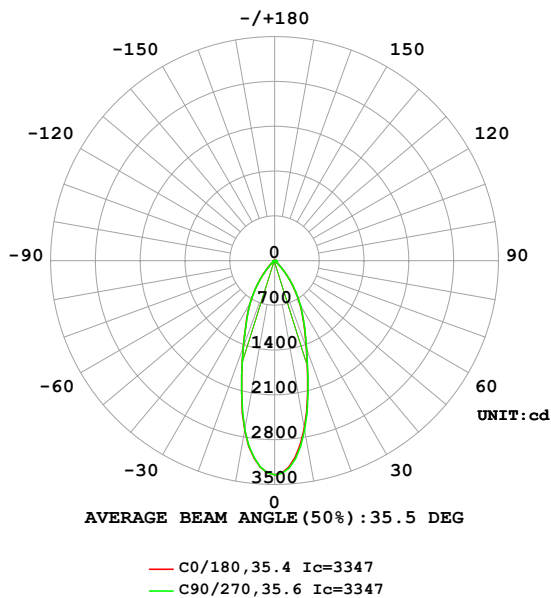


LUMINAIRE PHOTOMETRIC TEST REPORT

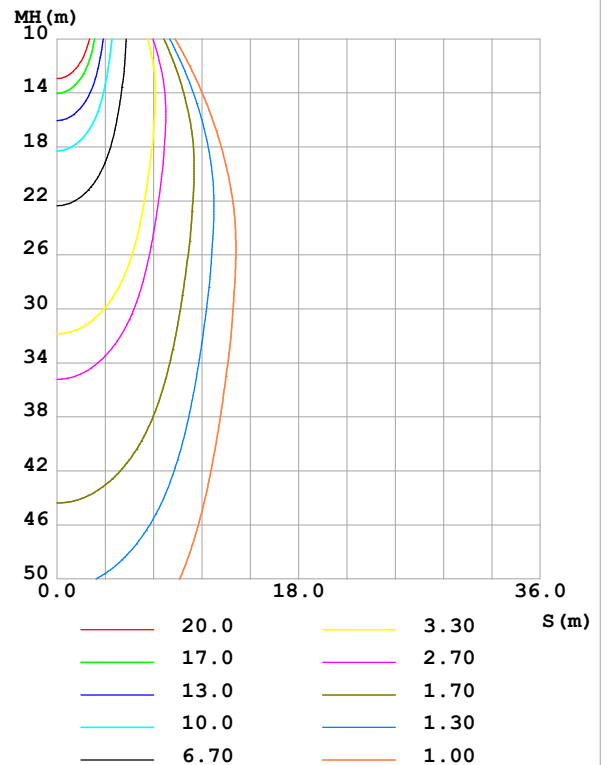
Test:U:28.000V I:0.4000A P:11.200W PF:100.0000 Freq:49.97Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2273.8x1 lm		
LumCAT: 3-3066-A	Test NO: 20260717-C002	Report NO: 20260717-B002
LED HOLDER: 92.70.466.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 165.16 lm/W			
MODEL	BRIDGELUX 2835	I _{max} (cd)	3347	S/MH(C0/180)	0.57
NOMINAL POWER(W)	10	LOR(%)	81.4	S/MH(C90/270)	0.57
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1849.8	η UP,DN(C0-180)	0.0,41.1
NOMINAL FLUX(lm)	2273.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,40.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	34.9	η down (%)	81.4	CIBSE SHR MAX	0.60

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: 2026-07-17

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	2673	2700	2702	2709	2704	2684	2686	2669	0- 10	287.8	287.8	15.6,12.7
20	1452	1473	1470	1461	1435	1426	1437	1440	10- 20	557.6	845.4	45.7,37.2
30	806.4	817.7	817.1	798.0	777.5	770.2	778.1	798.6	20- 30	495.4	1341	72.5,59
40	292.2	302.3	293.4	285.2	273.6	266.4	270.3	279.7	30- 40	325.1	1666	90.1,73.3
50	39.05	38.88	38.47	39.61	40.35	40.00	39.73	37.99	40- 50	100.2	1766	95.5,77.7
60	19.78	20.18	21.02	20.89	21.83	22.25	21.63	19.69	50- 60	21.64	1788	96.6,78.6
70	19.71	20.40	21.28	20.69	21.53	22.59	22.72	20.03	60- 70	20.77	1809	97.8,79.5
80	18.41	20.51	20.75	20.53	21.13	20.88	21.66	19.78	70- 80	22.18	1831	99,80.5
90	13.51	15.14	15.69	15.47	14.72	13.63	11.93	14.38	80- 90	19.11	1850	100,81.4
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): 1745.5 lm

%lum = 94.4%

%lamp = 76.8%

Conical surface Flux(130deg): 1800 lm

%lum = 97.3%

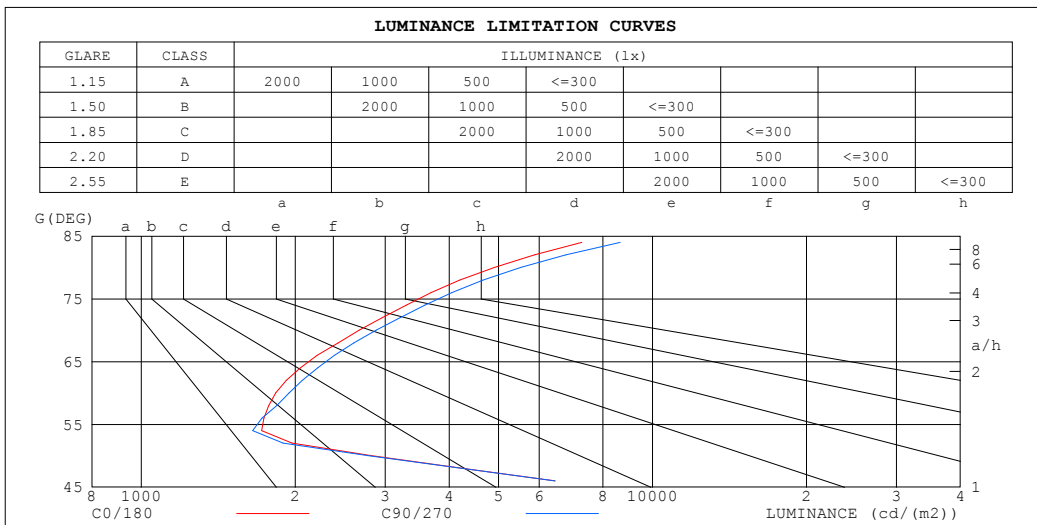
%lamp = 79.2%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-07-17

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:28.000V I:0.4000A P:11.200W PF:100.0000 Freq:49.97Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2273.8x1 lm		
LumCAT: 3-3066-A	Test NO: 20260717-C002	Report NO: 20260717-B002
LED HOLDER: 92.70.466.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	8719	10371
80	4911	5532
75	3511	3820
70	2669	2879
65	2122	2294
60	1833	1946
55	1762	1691
50	2814	2770
45	9632	9640

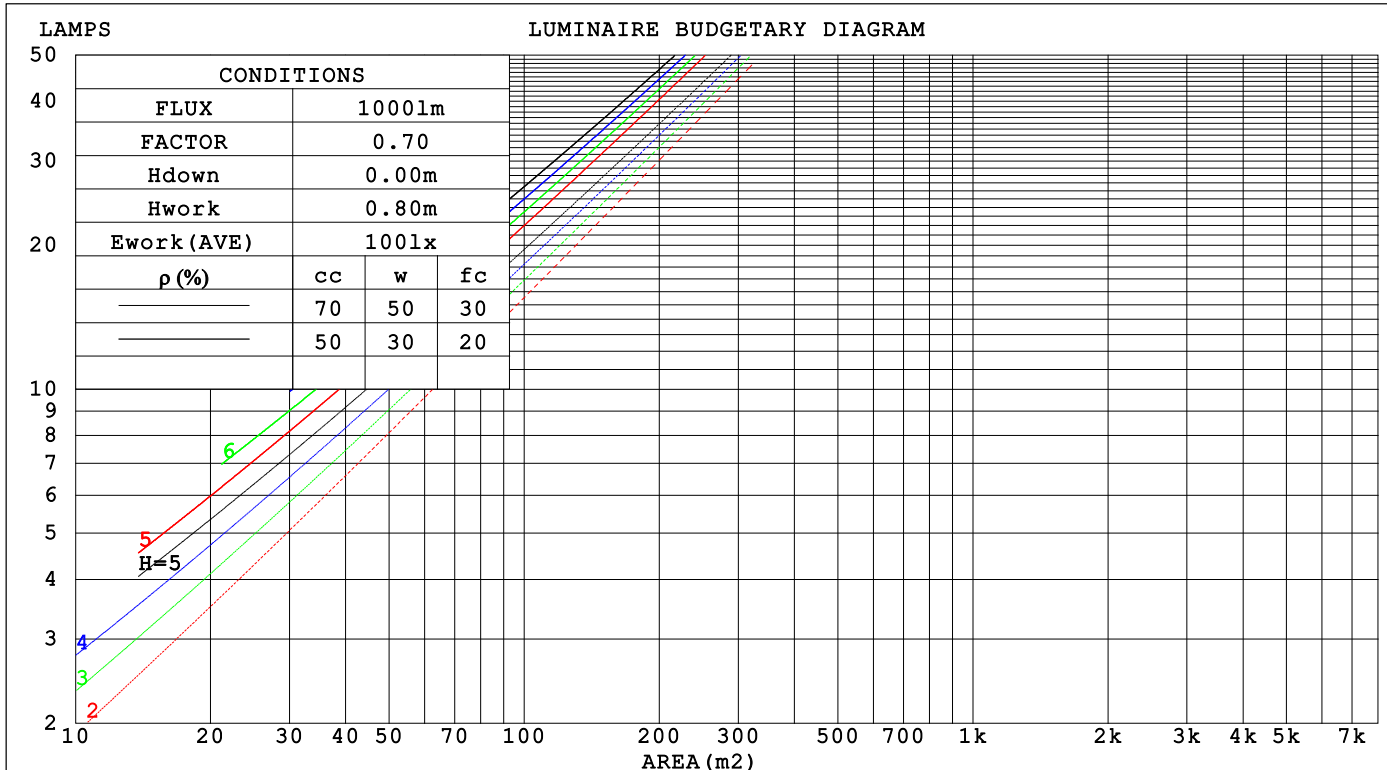
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.0°C
 Operators:ZJW
 Test Date:2026-07-17

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:28.000V I:0.4000A P:11.200W PF:100.0000 Freq:49.97Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2273.8x1 lm		
LumCAT: 3-3066-A	Test NO: 20260717-C002	Report NO: 20260717-B002
LED HOLDER: 92.70.466.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	.97	.97	.97	.95	.95	.95	.90	.90	.90	.87	.87	.87	.83	.83	.83	.81
1.0	.90	.87	.86	.88	.86	.84	.85	.83	.82	.81	.80	.79	.79	.78	.77	.75
2.0	.83	.80	.77	.82	.79	.76	.79	.77	.75	.77	.75	.73	.75	.73	.72	.70
3.0	.78	.74	.71	.77	.73	.70	.75	.72	.69	.73	.70	.68	.71	.69	.67	.66
4.0	.73	.69	.65	.72	.68	.65	.70	.67	.64	.69	.66	.63	.67	.65	.63	.61
5.0	.69	.64	.61	.68	.64	.60	.67	.63	.60	.65	.62	.59	.64	.61	.59	.58
6.0	.65	.60	.57	.64	.60	.57	.63	.59	.56	.62	.58	.56	.61	.58	.55	.54
7.0	.61	.57	.53	.61	.56	.53	.60	.56	.53	.59	.55	.53	.58	.55	.52	.51
8.0	.58	.53	.50	.58	.53	.50	.57	.53	.50	.56	.52	.50	.55	.52	.50	.48
9.0	.55	.51	.48	.55	.50	.47	.54	.50	.47	.53	.50	.47	.53	.49	.47	.46
10.0	.53	.48	.45	.52	.48	.45	.52	.48	.45	.51	.47	.45	.50	.47	.45	.44



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.0℃
 Operators:ZJW
 Test Date:2026-07-17

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:28.000V I:0.4000A P:11.200W PF:100.0000 Freq:49.97Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:2273.8x1 lm		
LumCAT: 3-3066-A			Test NO: 20260717-C002			Report NO: 20260717-B002		
LED HOLDER: 92.70.466.00			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	.154	.088	.028	.149	.085	.027	.138	.079	.025	.129	.074	.024	.120	.070	.022	
2.0	.143	.078	.024	.139	.076	.024	.130	.072	.022	.122	.068	.021	.114	.065	.020	
3.0	.134	.071	.021	.130	.070	.021	.123	.066	.020	.116	.063	.019	.109	.061	.019	
4.0	.126	.065	.019	.123	.064	.019	.116	.062	.018	.110	.059	.018	.105	.057	.017	
5.0	.119	.061	.018	.116	.060	.017	.110	.058	.017	.105	.056	.017	.101	.054	.016	
6.0	.113	.057	.016	.110	.056	.016	.105	.054	.016	.101	.052	.015	.097	.051	.015	
7.0	.107	.053	.015	.105	.052	.015	.101	.051	.015	.097	.050	.014	.093	.048	.014	
8.0	.102	.050	.014	.100	.049	.014	.096	.048	.014	.093	.047	.014	.089	.046	.013	
9.0	.098	.047	.013	.096	.047	.013	.092	.046	.013	.089	.045	.013	.086	.044	.013	
10.0	.093	.045	.012	.092	.044	.012	.089	.043	.012	.086	.043	.012	.083	.042	.012	

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	.155	.155	.155	.132	.132	.132	.090	.090	.090	.052	.052	.052	.017	.017	.017	
1.0	.140	.128	.117	.120	.110	.101	.082	.076	.070	.047	.044	.041	.015	.014	.013	
2.0	.128	.108	.091	.109	.093	.079	.075	.064	.055	.043	.037	.032	.014	.012	.010	
3.0	.117	.092	.073	.101	.080	.063	.069	.055	.044	.040	.032	.026	.013	.011	.009	
4.0	.109	.080	.059	.093	.070	.051	.064	.048	.036	.037	.028	.021	.012	.009	.007	
5.0	.101	.071	.049	.087	.061	.042	.060	.043	.030	.035	.025	.018	.011	.008	.006	
6.0	.095	.063	.041	.082	.055	.035	.056	.038	.025	.033	.023	.015	.011	.007	.005	
7.0	.090	.057	.034	.077	.050	.030	.053	.035	.021	.031	.020	.013	.010	.007	.004	
8.0	.085	.052	.030	.073	.045	.026	.050	.032	.018	.029	.019	.011	.009	.006	.004	
9.0	.080	.048	.026	.069	.041	.022	.048	.029	.016	.028	.017	.009	.009	.006	.003	
10.0	.077	.044	.023	.066	.038	.020	.046	.027	.014	.027	.016	.008	.009	.005	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-07-17

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:28.000V I:0.4000A P:11.200W PF:100.0000 Freq:49.97Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2273.8x1 lm		
LumCAT: 3-3066-A	Test NO: 20260717-C002	Report NO: 20260717-B002
LED HOLDER: 92.70.466.00	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	20.0	21.0	20.3	21.1	21.3	20.1	21.0	20.3	21.2	21.4
3H	20.2	21.1	20.4	21.3	21.5	20.3	21.1	20.5	21.3	21.5
4H	20.5	21.3	20.7	21.5	21.7	20.6	21.4	20.9	21.6	21.8
6H	20.9	21.7	21.2	22.0	22.2	21.2	21.9	21.5	22.2	22.4
8H	21.3	22.1	21.6	22.3	22.6	21.6	22.3	21.9	22.6	22.9
12H	21.7	22.5	22.1	22.7	23.0	22.2	22.9	22.5	23.2	23.4
4H 2H	19.9	20.7	20.2	20.9	21.1	19.9	20.8	20.2	21.0	21.2
3H	20.2	20.9	20.5	21.2	21.5	20.3	21.0	20.6	21.3	21.6
4H	20.7	21.3	21.0	21.6	21.9	20.8	21.5	21.2	21.8	22.1
6H	21.5	22.1	21.9	22.4	22.7	21.7	22.3	22.1	22.6	23.0
8H	22.0	22.6	22.4	22.9	23.3	22.4	22.9	22.8	23.3	23.6
12H	22.7	23.2	23.1	23.5	23.9	23.2	23.7	23.6	24.0	24.4
8H 4H	20.9	21.4	21.3	21.8	22.2	21.0	21.6	21.4	21.9	22.3
6H	22.0	22.5	22.5	22.9	23.3	22.3	22.7	22.7	23.1	23.5
8H	22.8	23.2	23.3	23.6	24.1	23.1	23.5	23.6	23.9	24.4
12H	23.7	24.0	24.2	24.5	24.9	24.2	24.5	24.7	25.0	25.4
12H 4H	21.0	21.5	21.4	21.8	22.2	21.1	21.6	21.5	22.0	22.3
6H	22.2	22.6	22.7	23.1	23.5	22.5	22.8	22.9	23.3	23.7
8H	23.1	23.5	23.6	23.9	24.4	23.4	23.8	23.9	24.2	24.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.3 / - 1.3					+ 1.2 / - 1.2				
1.5H	+ 2.8 / - 1.3					+ 2.7 / - 1.2				
2.0H	+ 1.1 / - 0.4					+ 0.9 / - 0.3				

CIE Pub.117, 2274 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.9$)
Area: 0.0216 m²

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-07-17

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:28.000V I:0.4000A P:11.200W PF:100.0000 Freq:49.97Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2273.8x1 lm		
LumCAT: 3-3066-A	Test NO: 20260717-C002	Report NO: 20260717-B002
LED HOLDER: 92.70.466.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

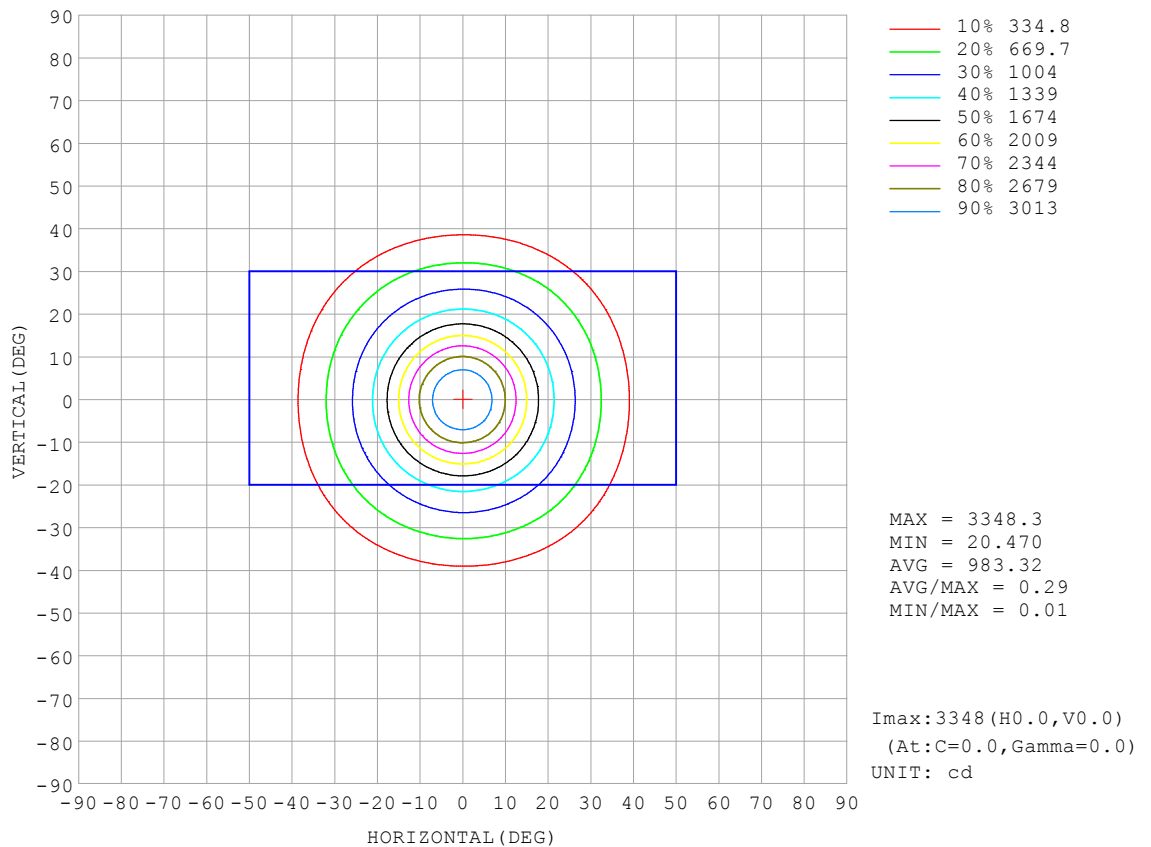
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	70	64	61	69	64	61	69	64	61	58
0.80	76	71	67	75	70	67	74	70	67	64
1.00	79	75	71	79	74	71	77	74	71	67
1.25	83	78	75	82	78	75	80	77	74	71
1.50	85	81	78	84	80	77	82	79	77	73
2.00	87	84	81	86	83	80	84	81	79	74
2.50	89	85	83	87	84	82	85	82	80	75
3.00	90	87	85	89	86	84	86	84	82	77
4.00	92	89	87	90	88	86	87	85	84	78
5.00	93	91	89	91	89	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: 2026-07-17

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:28.000V I:0.4000A P:11.200W PF:100.0000 Freq:49.97Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2273.8x1 lm		
LumCAT: 3-3066-A	Test NO: 20260717-C002	Report NO: 20260717-B002
LED HOLDER: 92.70.466.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

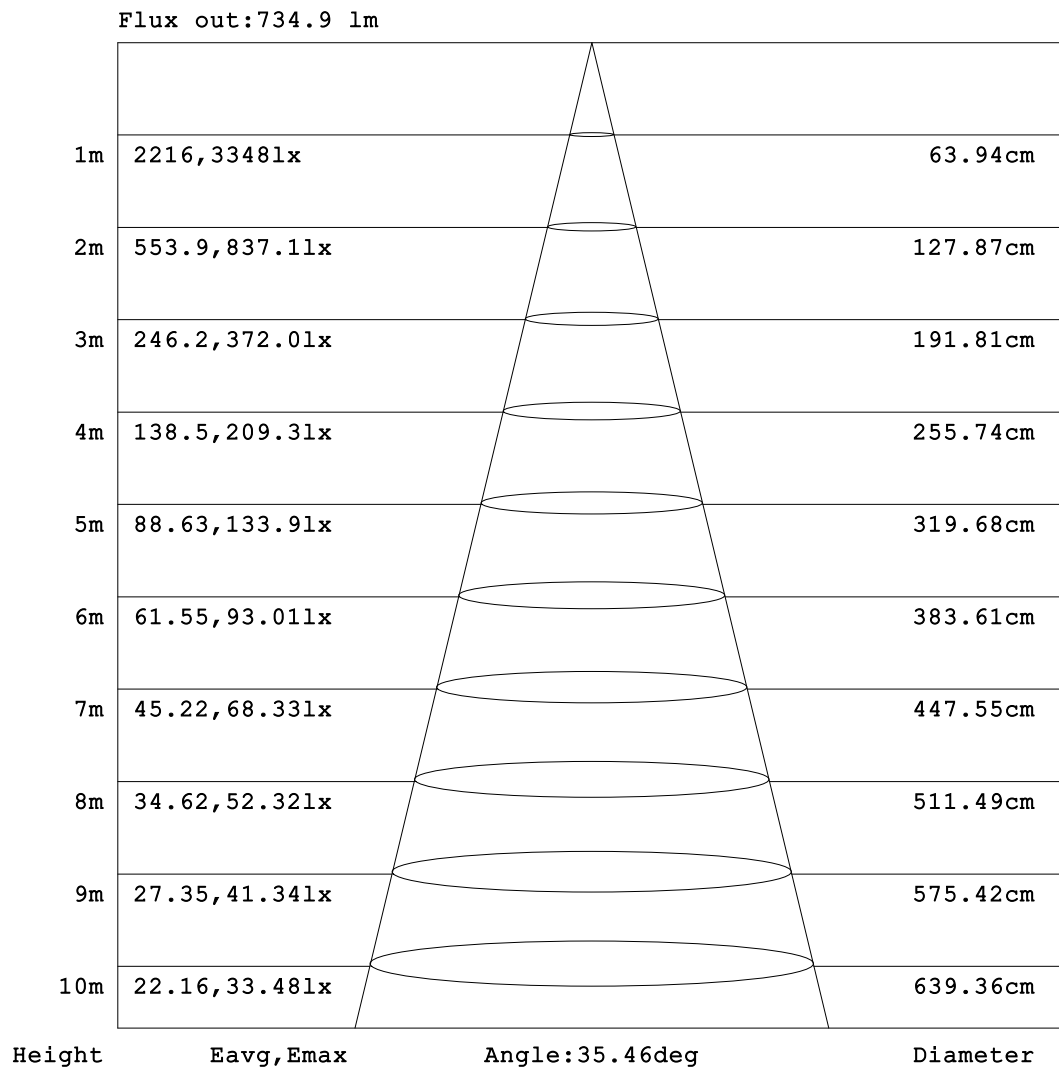


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0°C
Operators:ZJW
Test Date:2026-07-17

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:28.000V I:0.4000A P:11.200W PF:100.0000 Freq:49.97Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2273.8x1 lm		
LumCAT: 3-3066-A	Test NO: 20260717-C002	Report NO: 20260717-B002
LED HOLDER: 92.70.466.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	



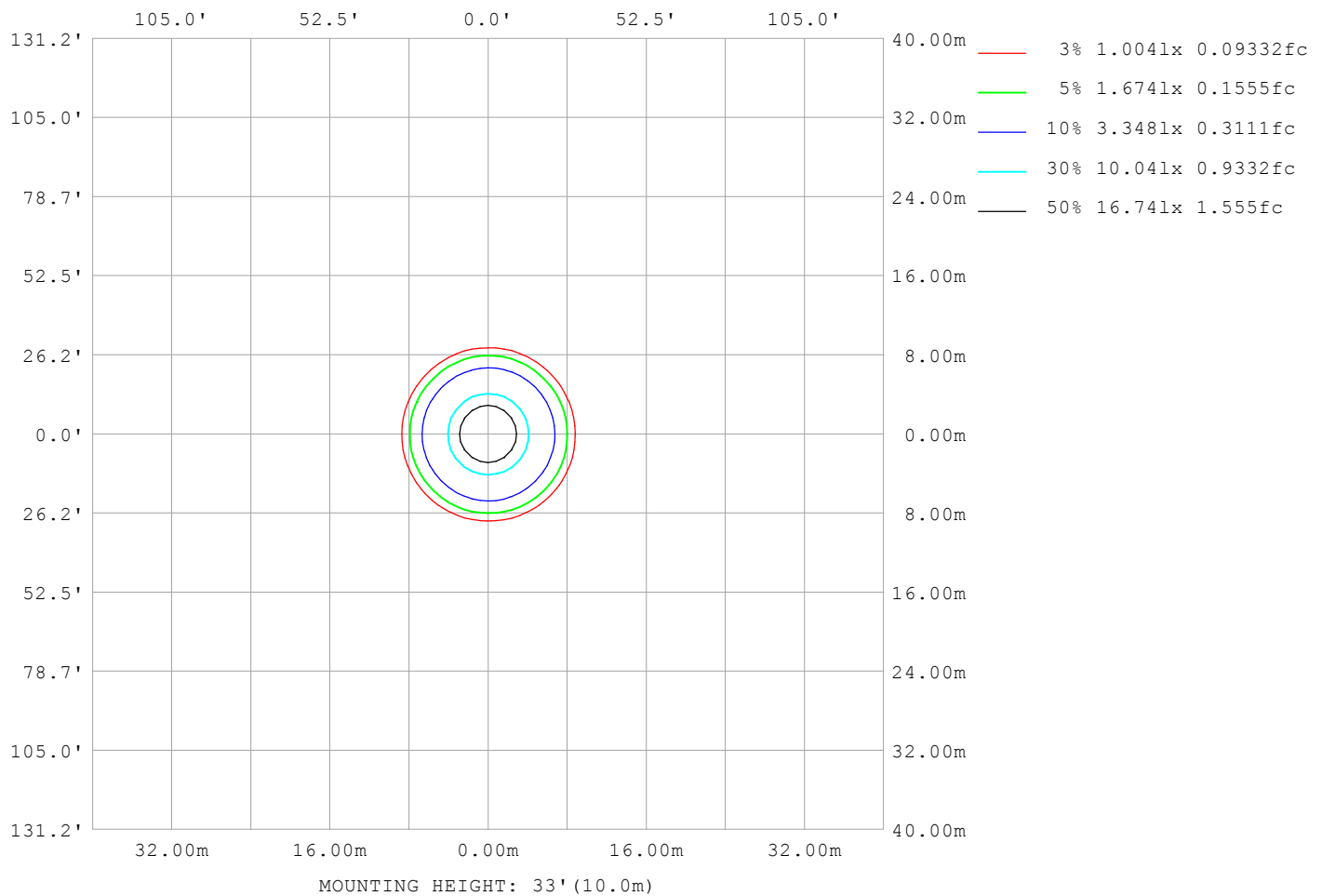
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-07-17

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:28.000V I:0.4000A P:11.200W PF:100.0000 Freq:49.97Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2273.8x1 lm		
LumCAT: 3-3066-A	Test NO: 20260717-C002	Report NO: 20260717-B002
LED HOLDER: 92.70.466.00	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:2026-07-17

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:28.000V I:0.4000A P:11.200W PF:100.0000 Freq:49.97Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2273.8x1 lm		
LumCAT: 3-3066-A	Test NO: 20260717-C002	Report NO: 20260717-B002
LED HOLDER: 92.70.466.00	DIM.:	Lamp No.: 1
LampCAT:	MFR.: NATA	

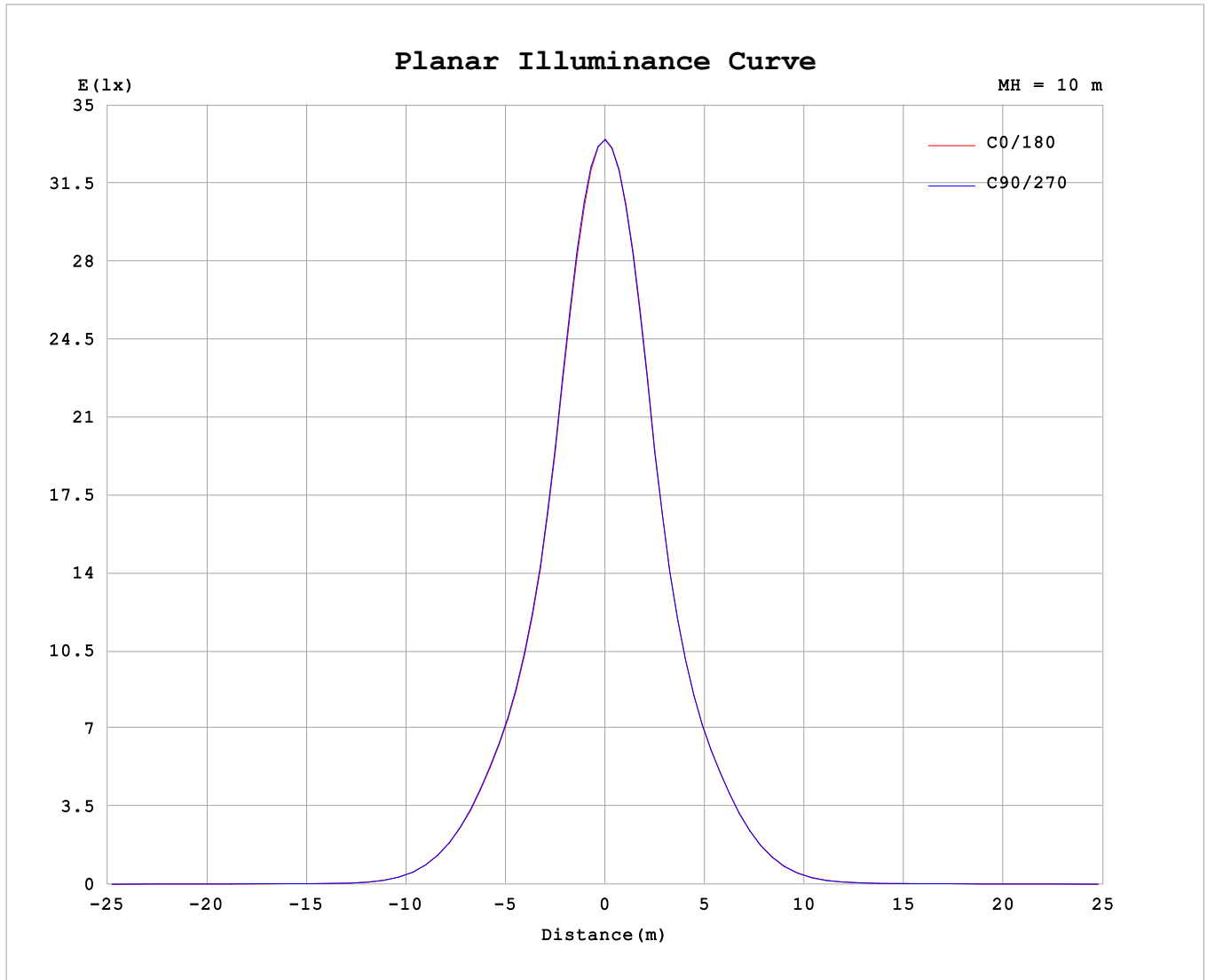
AvgL	cd/m2
L_0~180 (65) av	2249
L_0~180 (75) av	3661
L_0~180 (85) av	9032
L_90~270 (65) av	2363
L_90~270 (75) av	3937
L_90~270 (85) av	9222
L_45 (65) av	2266
L_45 (75) av	3744
L_45 (85) av	9236

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-07-17

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: 2026-07-17

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:28.000V I:0.4000A P:11.200W PF:100.0000 Freq:49.97Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2273.8x1 lm		
LumCAT: 3-3066-A	Test NO: 20260717-C002	Report NO: 20260717-B002
LED HOLDER: 92.70.466.00	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: 2026-07-17

```

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:

```