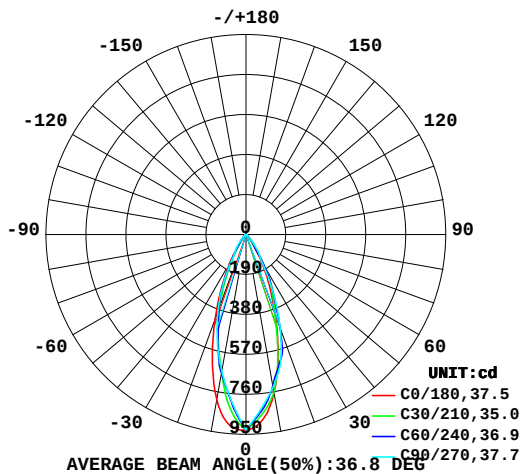


LUMINAIRE PHOTOMETRIC TEST REPORT

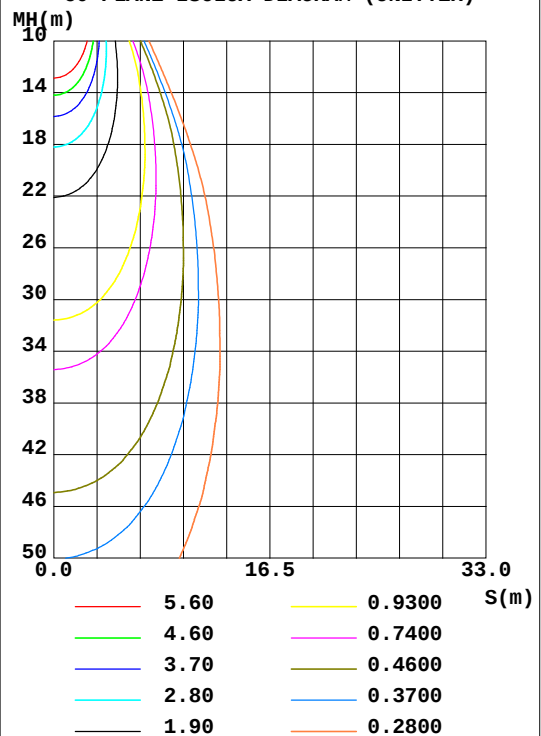
Test:U:220.14V I:0.0988A P:10.174W PF:0.4678 Freq:50.00Hz Lamp Flux:428.274x1 lm		
NAME: POWERUS	TYPE:	WEIGHT:
SPEC.:	DIM.: 78*43*143mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 42.09 lm/W			
MODEL	6389	I _{max} (cd)	929.5	S/MH(C0/180)	0.62
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.55
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	428.27	h UP, DN(C0-180)	0.0,52.4
NOMINAL FLUX(lm)	428.274	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,47.6
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	h down(%)	100.0	CIBSE SHR MAX	0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H_b Range: -90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-06-30

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 5.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
10	767.1	741.4	737.8	709.0	798.4	668.9	662.6	689.9	0- 10	76.18	76.18	17.8, 17.8
20	410.4	478.9	478.6	392.2	432.1	351.2	391.4	397.7	10- 20	155.1	231.3	54, 54
30	142.0	175.3	151.0	154.4	149.0	141.8	114.7	147.3	20- 30	120.5	351.7	82.1, 82.1
40	30.64	31.26	58.54	28.50	32.25	29.42	46.51	29.75	30- 40	47.51	399.3	93.2, 93.2
50	8.031	10.31	10.40	10.31	9.277	10.81	10.41	10.10	40- 50	13.95	413.2	96.5, 96.5
60	6.281	5.558	6.573	5.848	7.195	6.018	6.441	5.722	50- 60	6.436	419.6	98, 98
70	4.262	3.947	4.280	4.004	4.817	4.141	4.406	4.108	60- 70	5.057	424.7	99.2, 99.2
80	2.248	1.754	0	1.645	2.542	1.849	0	1.971	70- 80	3.087	427.8	99.9, 99.9
90	1.080	0	0	0	1.106	0	0	0	80- 90	0.4817	428.3	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): 408.74 lm

%lum = 95.4%

%lamp = 95.4%

Conical surface Flux(120deg): 419.65 lm

%lum = 98.0%

%lamp = 98.0%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-06-30

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:5.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.14V I:0.0988A P:10.174W PF:0.4678 Freq:50.00Hz Lamp Flux:428.274x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 78*43*143mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	138	0
80	129	0
75	125	121
70	125	125
65	125	128
60	126	131
55	125	147
50	125	162
45	167	173

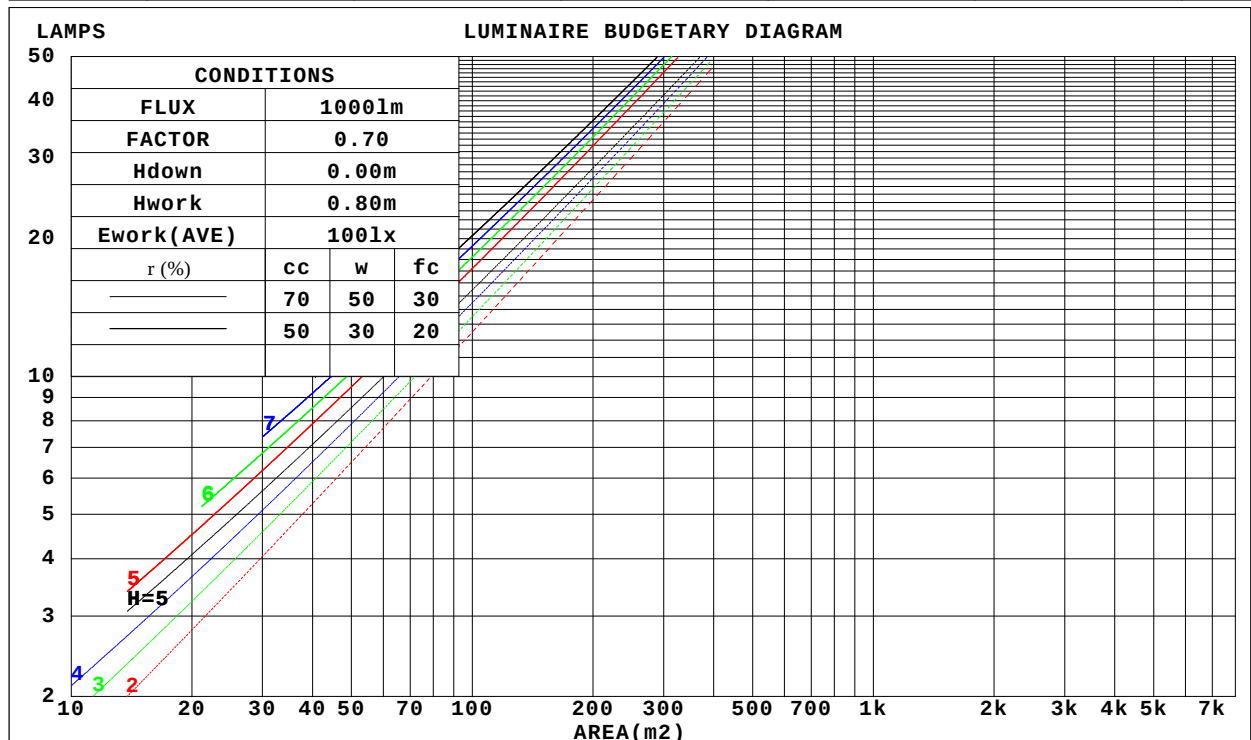
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-06-30

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 5.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.14V I:0.0988A P:10.174W PF:0.4678 Freq:50.00Hz Lamp Flux:428.274x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 78*43*143mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

r CC	80%			70%			50%			30%			10%			0
r W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r 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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.94	.92	.90	.89
3.0	.98	.93	.90	.97	.92	.89	.94	.90	.88	.92	.89	.86	.89	.87	.85	.83
4.0	.92	.87	.84	.91	.87	.83	.89	.85	.82	.87	.84	.81	.85	.83	.80	.79
5.0	.88	.82	.78	.87	.82	.78	.85	.81	.77	.83	.80	.77	.82	.79	.76	.75
6.0	.83	.78	.74	.82	.77	.74	.81	.76	.73	.80	.76	.73	.78	.75	.72	.71
7.0	.79	.74	.70	.78	.73	.70	.77	.73	.69	.76	.72	.69	.75	.71	.69	.67
8.0	.75	.70	.66	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.65	.64
9.0	.72	.67	.63	.72	.66	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61
10.0	.69	.64	.60	.68	.64	.60	.68	.63	.60	.67	.63	.60	.66	.62	.60	.59



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-06-30

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 5.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.14V I:0.0988A P:10.174W PF:0.4678 Freq:50.00Hz Lamp Flux:428.274x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.: 78*43*143mm		SERIAL No.:01	
MFR.: NORDECOR		SUR.:		Shielding Angle:35°	

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.169	.096	.031	.163	.093	.029	.150	.086	.028	.139	.080	.026	.128	.074	.024	
2.0	.160	.088	.027	.154	.085	.026	.144	.080	.025	.134	.075	.024	.125	.071	.022	
3.0	.151	.080	.024	.146	.078	.024	.137	.074	.023	.129	.071	.022	.121	.067	.021	
4.0	.142	.074	.022	.138	.072	.021	.131	.069	.021	.124	.066	.020	.117	.064	.019	
5.0	.135	.069	.020	.131	.067	.020	.125	.065	.019	.118	.063	.019	.113	.060	.018	
6.0	.128	.064	.018	.125	.063	.018	.119	.061	.018	.114	.059	.017	.109	.057	.017	
7.0	.122	.060	.017	.119	.059	.017	.114	.058	.017	.109	.056	.016	.105	.054	.016	
8.0	.116	.057	.016	.114	.056	.016	.109	.055	.016	.105	.053	.015	.101	.052	.015	
9.0	.111	.054	.015	.109	.053	.015	.105	.052	.015	.101	.051	.015	.098	.050	.014	
10.0	.107	.051	.014	.105	.051	.014	.101	.050	.014	.098	.048	.014	.094	.047	.014	

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{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	.171	.157	.145	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.132	.114	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.113	.091	.121	.098	.079	.083	.068	.055	.048	.040	.033	.015	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.121	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.113	.077	.051	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.106	.070	.044	.091	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.063	.038	.086	.055	.033	.060	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.090	.053	.029	.078	.046	.025	.054	.033	.018	.032	.019	.011	.010	.006	.004	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-06-30

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 5.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.14V I:0.0988A P:10.174W PF:0.4678 Freq:50.00Hz Lamp Flux:428.274x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 78*43*143mm			SERIAL No.:01				
MFR.: NORDECOR			SUR.:			Shielding Angle:35°				
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	4.9	5.8	5.1	5.9	6.1	6.2	7.1	6.4	7.2	7.4
	3H	5.4	6.2	5.6	6.3	6.5	7.3	6.8	7.5	7.7
	4H	5.6	6.4	5.9	6.6	6.8	6.7	7.5	7.0	7.7
	6H	5.9	6.6	6.2	6.8	7.1	6.7	7.4	7.0	7.7
	8H	6.0	6.7	6.3	7.0	7.2	6.7	7.3	7.0	7.6
	12H	6.1	6.8	6.4	7.0	7.3	6.6	7.3	6.9	7.5
4H	2H	4.9	5.7	5.2	5.9	6.1	6.1	6.9	6.4	7.1
	3H	5.5	6.2	5.9	6.5	6.7	6.6	7.3	6.9	7.5
	4H	5.9	6.5	6.3	6.8	7.1	6.9	7.5	7.3	7.8
	6H	6.3	6.8	6.7	7.2	7.5	7.0	7.5	7.3	7.8
	8H	6.5	7.0	6.9	7.3	7.7	6.9	7.4	7.3	7.7
	12H	6.7	7.1	7.1	7.5	7.9	6.8	7.3	7.3	7.7
8H	4H	6.0	6.5	6.4	6.9	7.2	7.0	7.5	7.4	7.8
	6H	6.6	7.0	7.0	7.4	7.8	7.0	7.4	7.5	7.8
	8H	6.8	7.2	7.3	7.6	8.1	7.0	7.3	7.4	7.7
	12H	7.1	7.4	7.6	7.9	8.3	6.9	7.2	7.4	7.7
12H	4H	6.0	6.5	6.4	6.8	7.2	7.0	7.4	7.4	7.8
	6H	6.5	6.9	7.0	7.3	7.7	7.0	7.4	7.5	7.8
	8H	6.8	7.1	7.3	7.6	8.0	7.0	7.3	7.4	7.7
Variations with the observer position at spacings:										
S = 1.0H	+ 1.1 / - 1.3					+ 2.3 / - 2.9				
1.5H	+ 2.4 / - 1.2					+ 4.5 / - 2.8				
2.0H	+ 1.2 / - 0.7					+ 0.4 / - 0.7				

CIE Pub.117, 428.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.9)
Area: 0.1 m2

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-06-30

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 5.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.14V I:0.0988A P:10.174W PF:0.4678 Freq:50.00Hz Lamp Flux:428.274x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 78*43*143mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

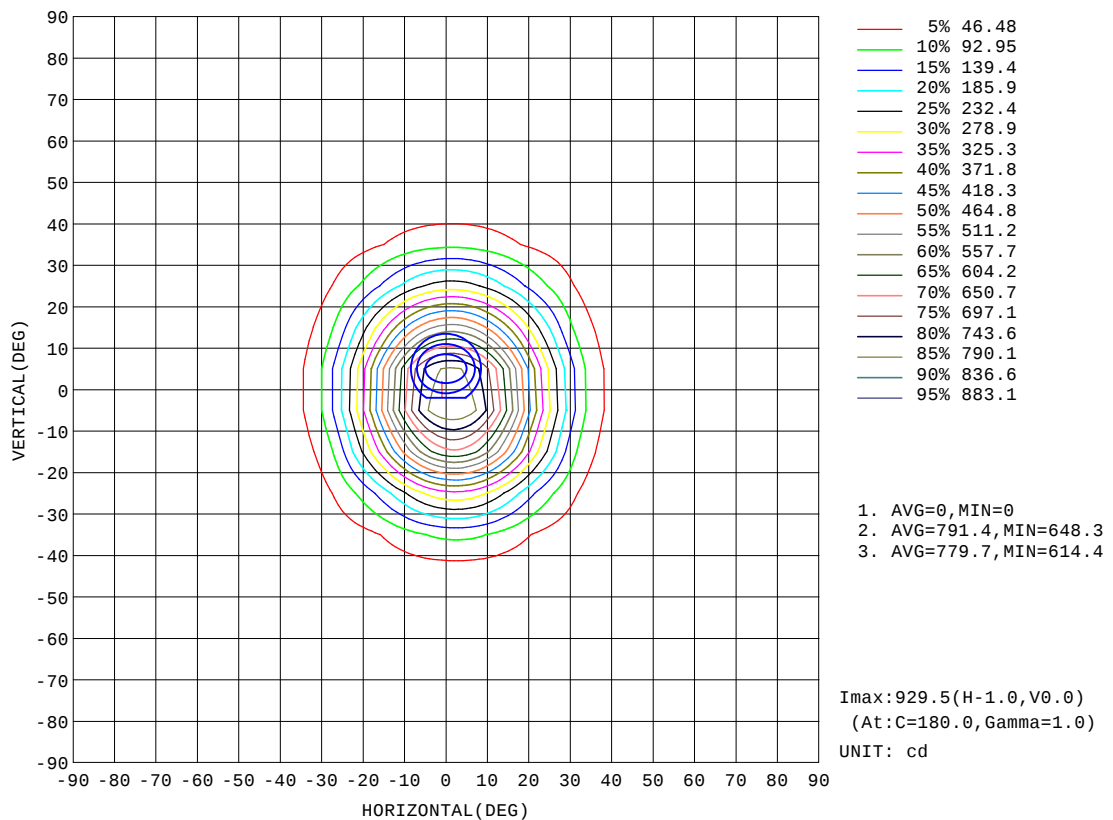
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	87	81	77	87	81	77	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	93	90	98	93	89	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	97	104	100	97	102	99	96	91
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	103	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	105	97
5.00	115	113	111	113	111	109	109	107	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

H_b Range:-90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-06-30

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.14V I:0.0988A P:10.174W PF:0.4678 Freq:50.00Hz Lamp Flux:428.274x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 78*43*143mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



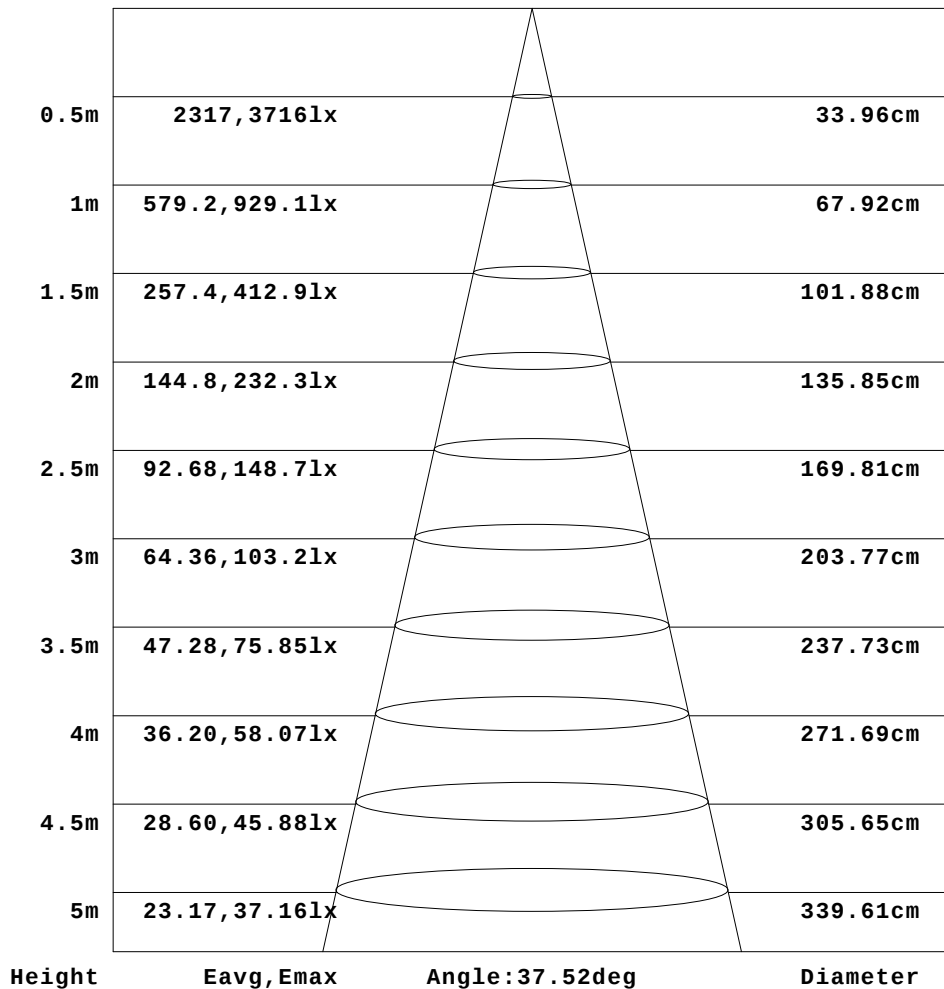
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-06-30

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.14V I:0.0988A P:10.174W PF:0.4678 Freq:50.00Hz Lamp Flux:428.274x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 78*43*143mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

Flux out:215.7 lm



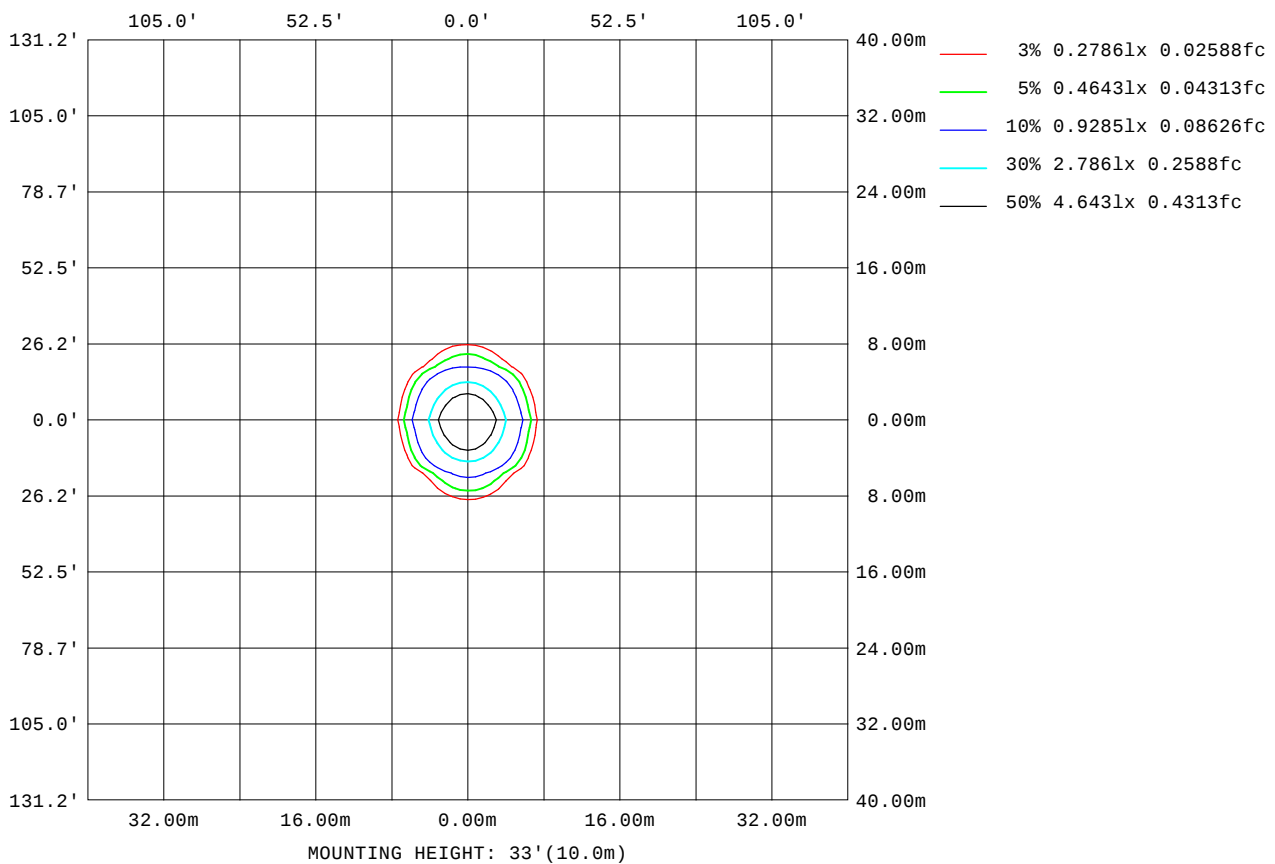
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-06-30

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.14V I:0.0988A P:10.174W PF:0.4678 Freq:50.00Hz Lamp Flux:428.274x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 78*43*143mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-06-30

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 5.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.14V I:0.0988A P:10.174W PF:0.4678 Freq:50.00Hz Lamp Flux:428.274x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 78*43*143mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

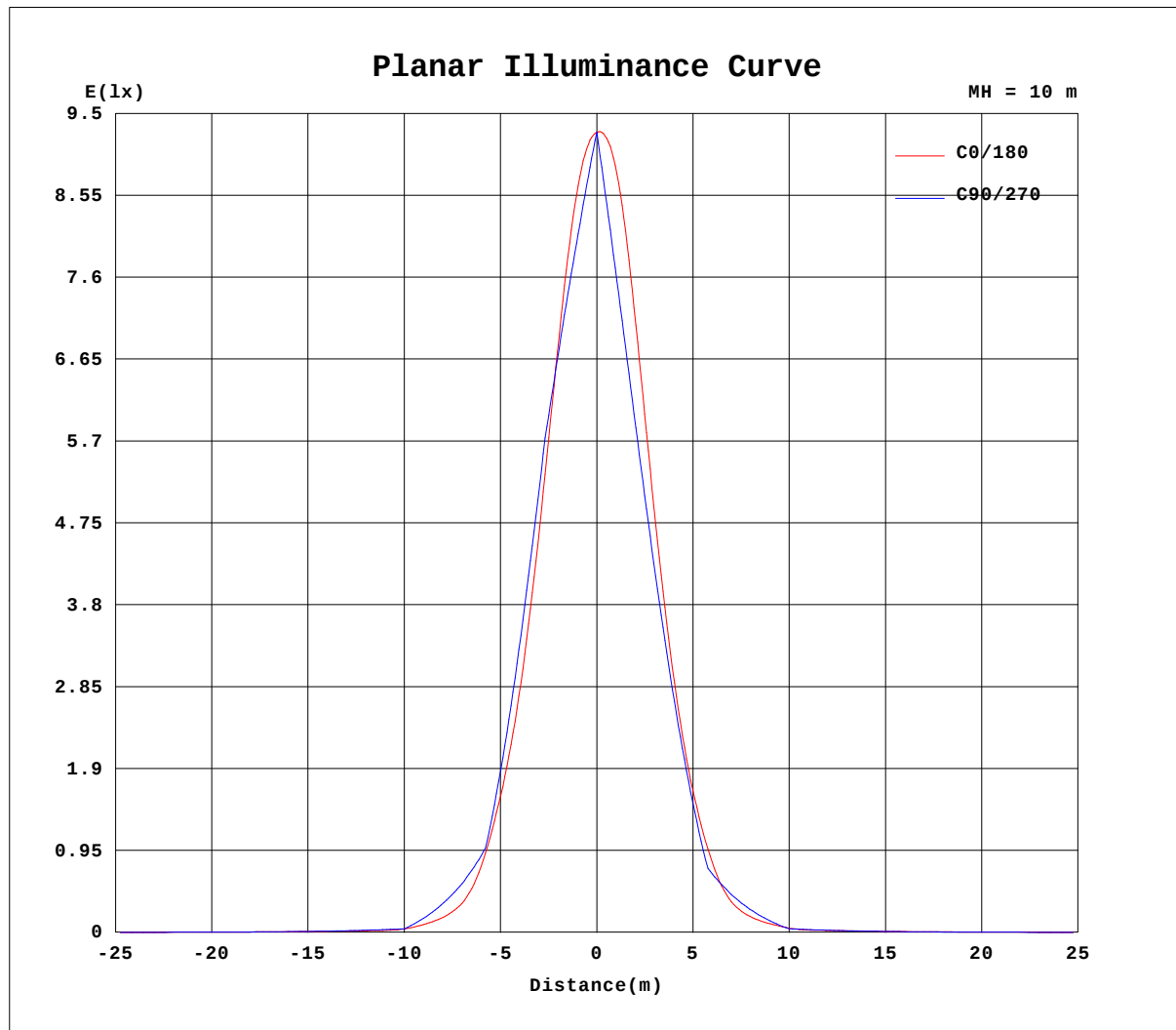
AvgL	cd/m2
L_0~180(65)av	133
L_0~180(75)av	133
L_0~180(85)av	162
L_90~270(65)av	128
L_90~270(75)av	126
L_90~270(85)av	0
L_45(65)av	117
L_45(75)av	119
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-06-30

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:5.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



H_b Range: -90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-06-30

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 5.000m [K=1.0000]
Remarks:

