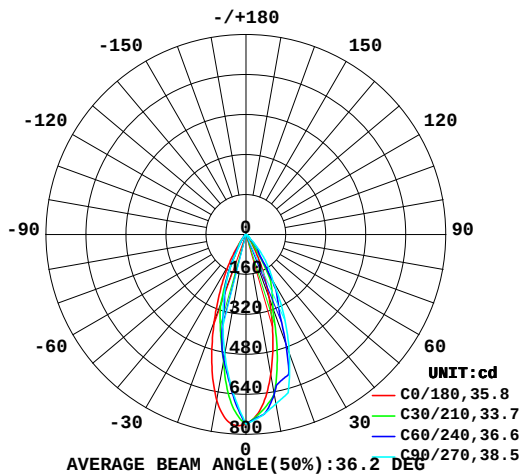


LUMINAIRE PHOTOMETRIC TEST REPORT

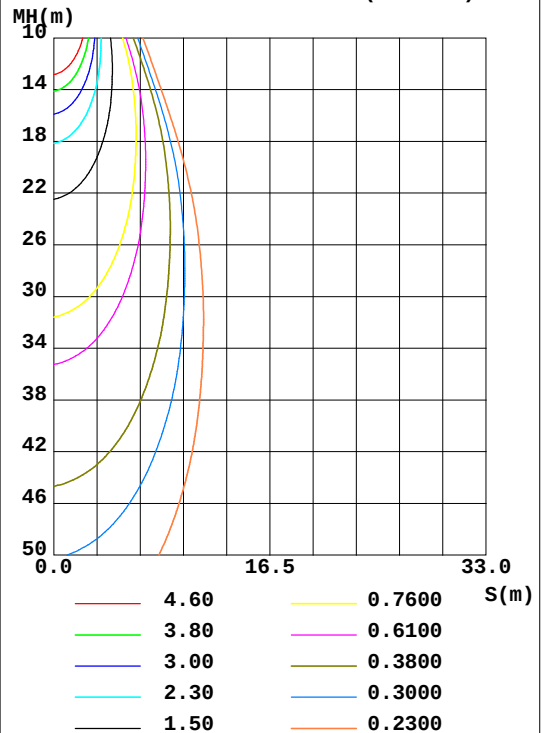
Test:U:220.13V I:0.0852A P:8.3761W PF:0.4467 Freq:50.00Hz Lamp Flux:362.953x1 lm		
NAME: POWERUS	TYPE:	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 43.33 lm/W			
MODEL	6809	I _{max} (cd)	765.4	S/MH(C0/180)	0.65
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.46
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	362.95	h UP, DN(C0-180)	0.0,60.5
NOMINAL FLUX(lm)	362.953	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,39.5
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	h down(%)	100.0	CIBSE SHR MAX	0.60

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: 2026-07-02

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	571.8	640.7	688.2	645.7	674.6	515.5	488.9	517.7	0- 10	62.68	62.68	17.3, 17.3
20	273.6	448.9	507.5	404.5	375.0	240.3	255.6	263.9	10- 20	128.4	191.0	52.6, 52.6
30	74.34	158.5	216.8	185.4	139.8	98.50	58.90	84.47	20- 30	101.9	292.9	80.7, 80.7
40	18.73	32.79	88.29	46.98	31.24	19.40	23.81	13.34	30- 40	44.06	337.0	92.9, 92.9
50	5.868	9.147	18.10	13.67	7.748	7.098	5.619	5.030	40- 50	13.53	350.5	96.6, 96.6
60	4.457	4.522	6.206	5.523	6.072	4.349	4.343	3.817	50- 60	5.608	356.1	98.1, 98.1
70	2.866	3.305	4.375	3.986	4.125	2.825	2.691	2.571	60- 70	3.997	360.1	99.2, 99.2
80	1.491	1.613	0	1.842	2.185	1.177	0	1.131	70- 80	2.427	362.6	99.9, 99.9
90	0.8643	0	0	0	0.8751	0	0	0	80- 90	0.3828	363.0	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): 346.2 lm

%lum = 95.4%

%lamp = 95.4%

Conical surface Flux(120deg): 356.15 lm

%lum = 98.1%

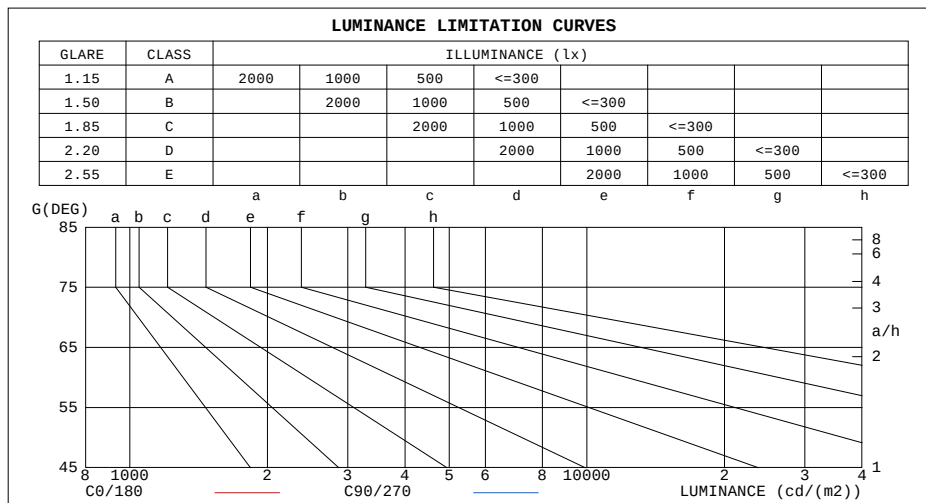
%lamp = 98.1%

H_(b) Range: -90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2026-07-02

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:220.13V I:0.0852A P:8.3761W PF:0.4467 Freq:50.00Hz Lamp Flux:362.953x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	101	0
80	86	0
75	81	135
70	84	128
65	87	126
60	89	124
55	91	214
50	91	282
45	92	343

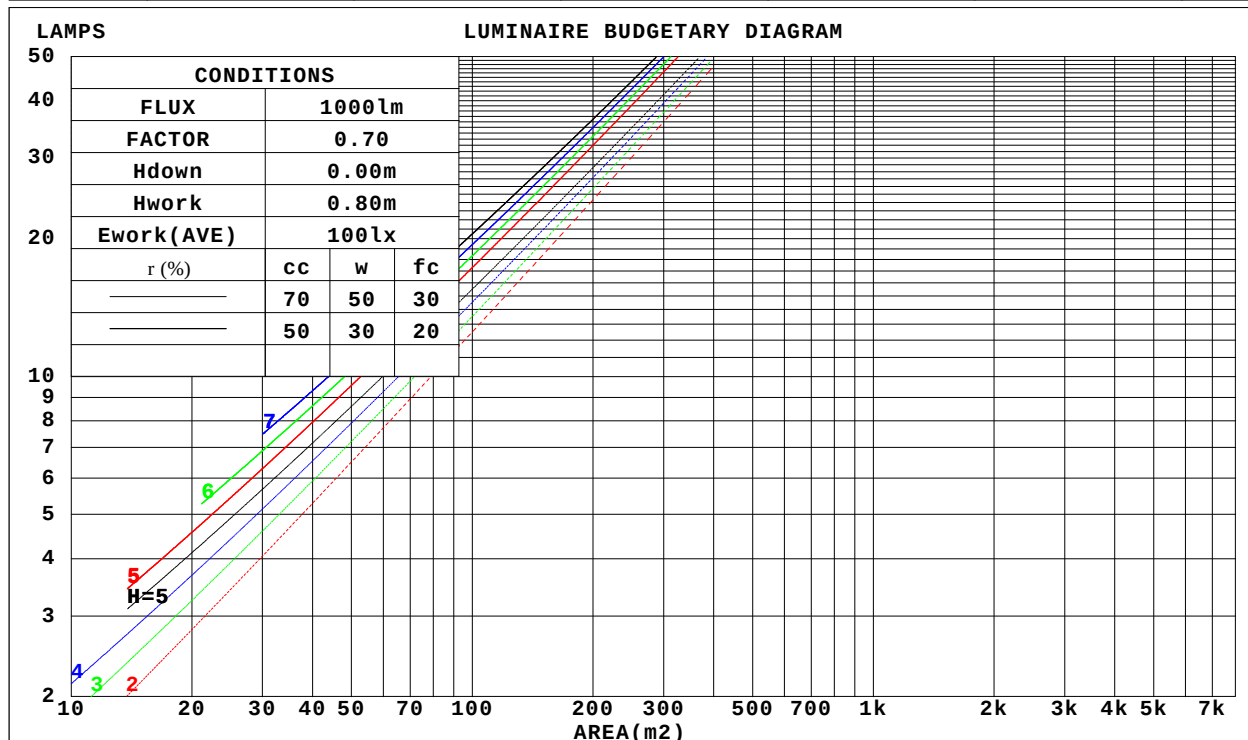
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-07-02

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:220.13V I:0.0852A P:8.3761W PF:0.4467 Freq:50.00Hz Lamp Flux:362.953x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	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	.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	.93	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.84	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.83	.79	.76	.81	.78	.76	.74
6.0	.83	.77	.73	.82	.77	.73	.80	.76	.73	.79	.75	.72	.78	.74	.72	.70
7.0	.79	.73	.69	.78	.73	.69	.77	.72	.69	.76	.71	.68	.74	.71	.68	.67
8.0	.75	.69	.66	.74	.69	.66	.73	.69	.65	.72	.68	.65	.71	.68	.65	.63
9.0	.71	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.65	.62	.61
10.0	.68	.63	.60	.68	.63	.59	.67	.62	.59	.66	.62	.59	.66	.62	.59	.58



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-07-02

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:220.13V I:0.0852A P:8.3761W PF:0.4467 Freq:50.00Hz Lamp Flux:362.953x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.: 72*72*82mm		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	.170	.097	.031	.164	.093	.030	.151	.087	.028	.140	.081	.026	.129	.075	.024	
2.0	.161	.088	.027	.156	.086	.026	.145	.081	.025	.135	.076	.024	.127	.072	.023	
3.0	.152	.081	.024	.147	.079	.024	.138	.075	.023	.130	.071	.022	.123	.068	.021	
4.0	.144	.075	.022	.140	.073	.022	.132	.070	.021	.125	.067	.020	.118	.064	.020	
5.0	.136	.069	.020	.133	.068	.020	.126	.066	.019	.120	.063	.019	.114	.061	.018	
6.0	.129	.065	.019	.126	.064	.018	.121	.062	.018	.115	.060	.018	.110	.058	.017	
7.0	.123	.061	.017	.121	.060	.017	.115	.058	.017	.111	.057	.017	.106	.055	.016	
8.0	.118	.057	.016	.115	.057	.016	.111	.055	.016	.106	.054	.016	.102	.053	.015	
9.0	.113	.054	.015	.110	.054	.015	.106	.053	.015	.103	.051	.015	.099	.050	.015	
10.0	.108	.052	.014	.106	.051	.014	.102	.050	.014	.099	.049	.014	.096	.048	.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	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.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	.122	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.044	.092	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.101	.063	.037	.087	.055	.033	.060	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.096	.058	.032	.082	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.091	.053	.028	.078	.046	.025	.054	.033	.018	.032	.019	.011	.010	.006	.003	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-07-02

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

UGR(Unified Glare Rating) Table

Test:U:220.13V I:0.0852A P:8.3761W PF:0.4467 Freq:50.00Hz Lamp Flux:362.953x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 72*72*82mm			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	4.0	4.9	4.2	5.0	5.2	9.3	10.2	9.5	10.3	10.5	
	3H	4.4	5.2	4.7	5.4	5.6	9.4	10.2	9.7	10.4	
	4H	4.7	5.4	5.0	5.7	5.9	9.5	10.3	9.8	10.5	
	6H	4.9	5.6	5.2	5.9	6.1	9.5	10.2	9.8	10.4	
	8H	5.0	5.7	5.3	6.0	6.2	9.4	10.1	9.7	10.4	
	12H	5.2	5.8	5.5	6.1	6.4	9.4	10.0	9.7	10.3	
4H	2H	4.1	4.8	4.4	5.1	5.3	9.1	9.9	9.4	10.1	
	3H	4.7	5.4	5.0	5.6	5.9	9.3	10.0	9.6	10.2	
	4H	5.0	5.6	5.4	5.9	6.3	9.5	10.1	9.8	10.4	
	6H	5.4	5.9	5.8	6.3	6.6	9.5	10.0	9.9	10.4	
	8H	5.6	6.1	6.0	6.4	6.8	9.4	9.9	9.8	10.3	
	12H	5.8	6.2	6.2	6.6	7.0	9.4	9.8	9.8	10.2	
8H	4H	5.3	5.8	5.7	6.1	6.5	9.5	10.0	9.8	10.3	
	6H	5.8	6.2	6.2	6.6	7.0	9.5	9.9	9.9	10.3	
	8H	6.1	6.4	6.5	6.8	7.3	9.4	9.8	9.8	10.2	
	12H	6.4	6.7	6.8	7.1	7.6	9.3	9.7	9.8	10.1	
12H	4H	5.2	5.7	5.6	6.1	6.5	9.4	9.9	9.8	10.2	
	6H	5.8	6.1	6.2	6.5	7.0	9.4	9.8	9.9	10.2	
	8H	6.1	6.4	6.5	6.8	7.3	9.4	9.7	9.8	10.1	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.4 / - 1.6					+ 3.1 / - 4.2					
1.5H	+ 2.6 / - 1.6					+ 5.4 / - 5.0					
2.0H	+ 1.3 / - 0.6					+ 2.5 / - 1.9					

CIE Pub.117, 363.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.5)
Area: 0.1 m2

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-07-02

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:220.13V I:0.0852A P:8.3761W PF:0.4467 Freq:50.00Hz Lamp Flux:362.953x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

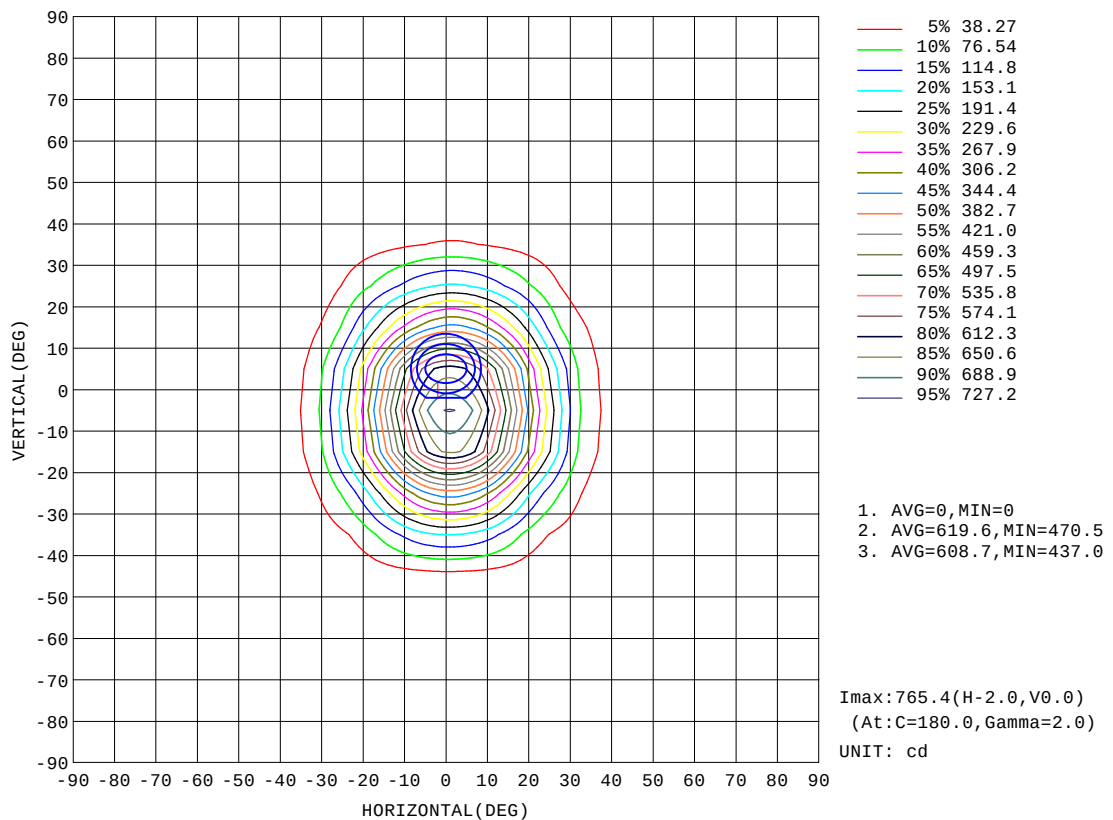
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	88	85	93	88	84	81
1.00	99	93	90	98	93	89	96	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:2026-07-02

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:220.13V I:0.0852A P:8.3761W PF:0.4467 Freq:50.00Hz Lamp Flux:362.953x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

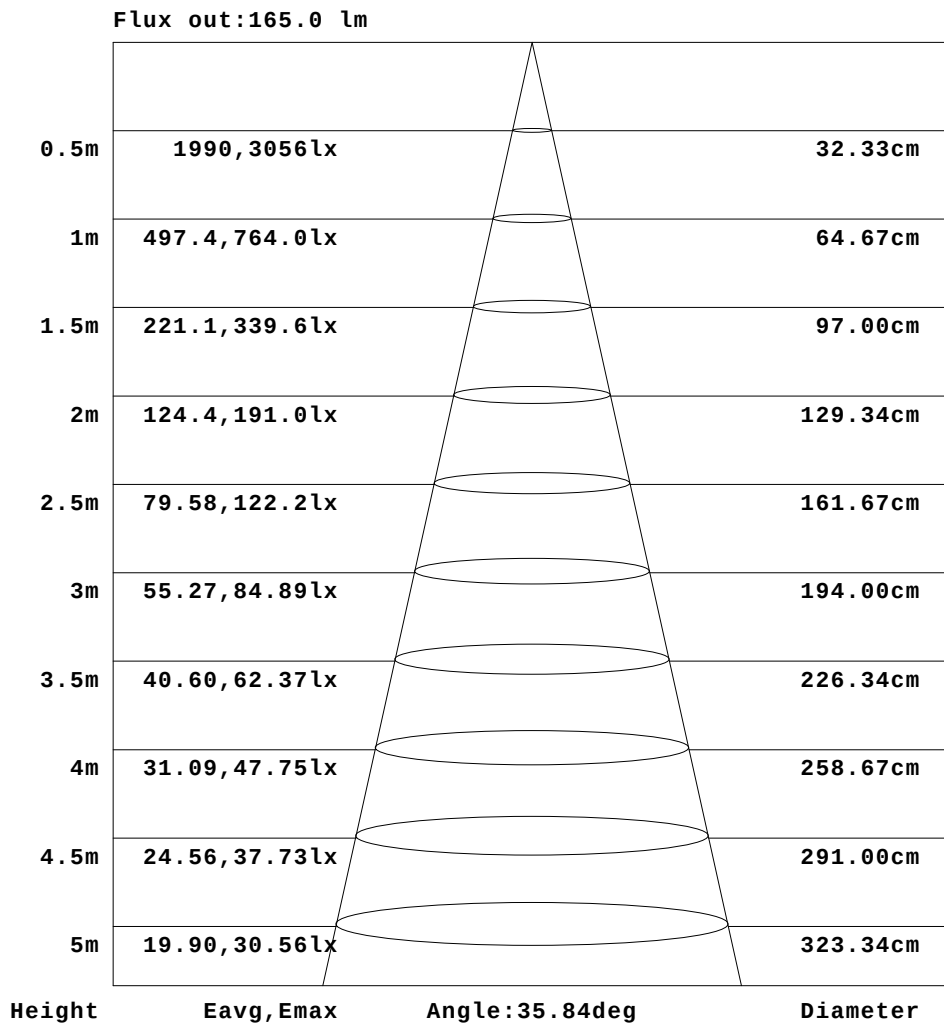


H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-07-02

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:220.13V I:0.0852A P:8.3761W PF:0.4467 Freq:50.00Hz Lamp Flux:362.953x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



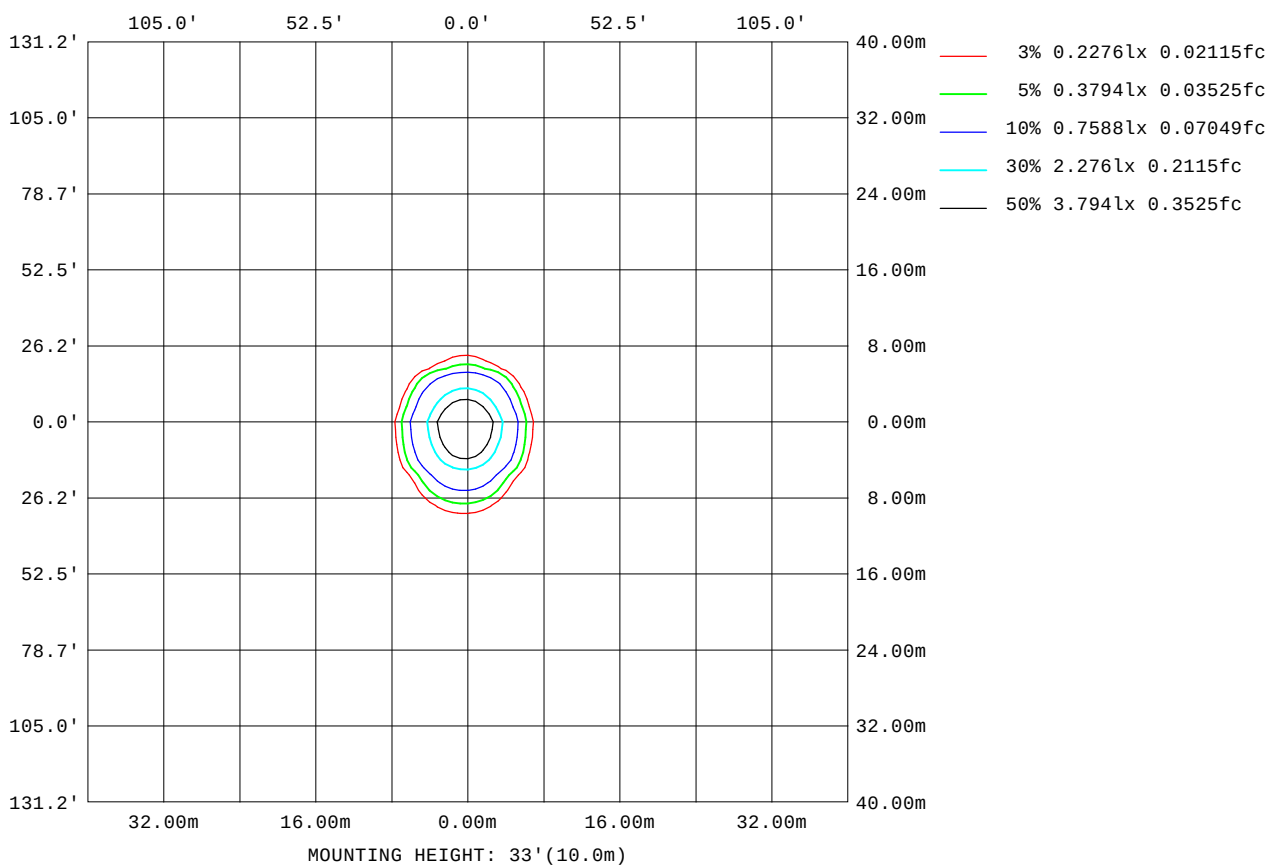
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-07-02

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:220.13V I:0.0852A P:8.3761W PF:0.4467 Freq:50.00Hz Lamp Flux:362.953x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	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: 2026-07-02

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:220.13V I:0.0852A P:8.3761W PF:0.4467 Freq:50.00Hz Lamp Flux:362.953x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

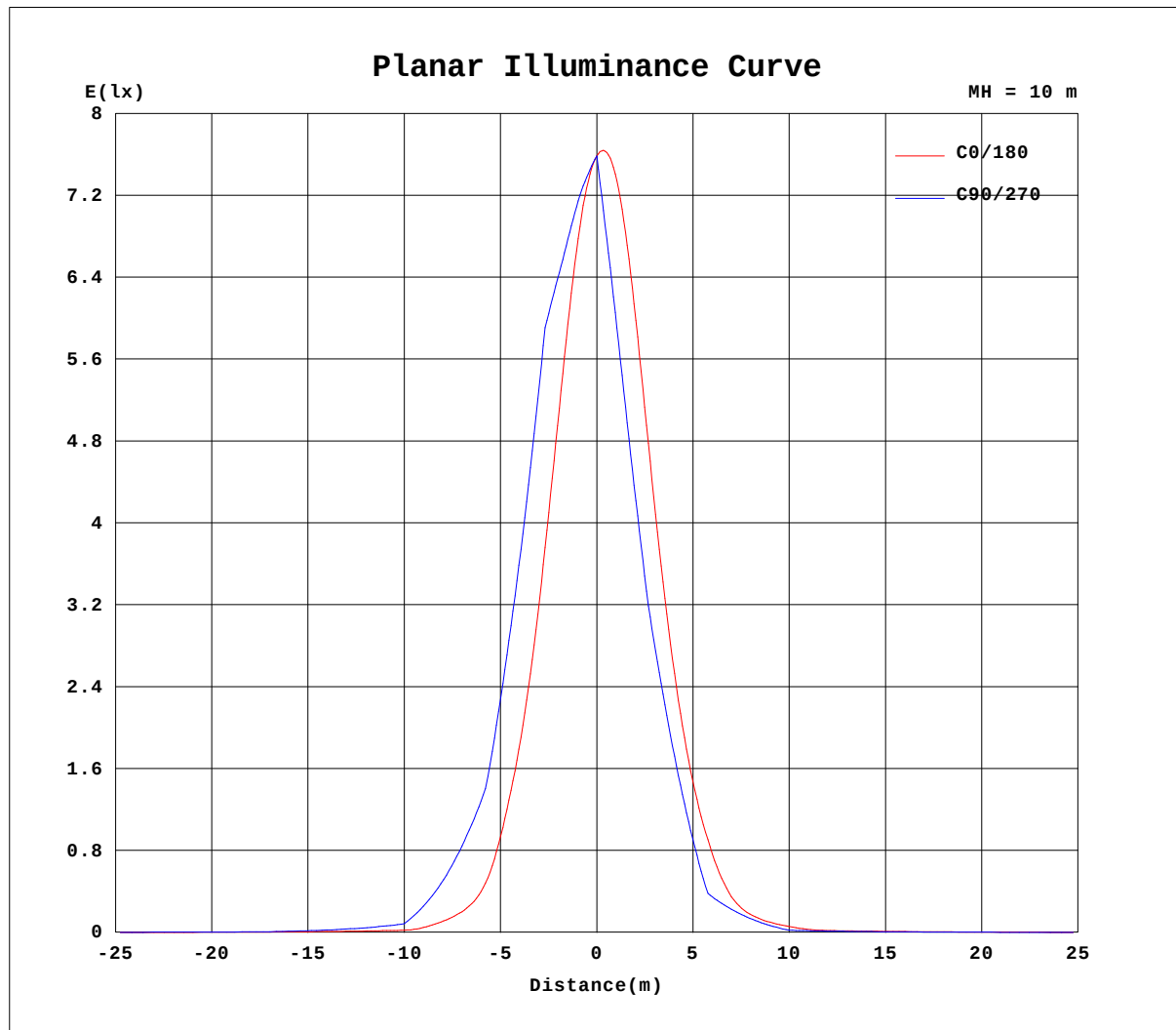
AvgL	cd/m2
L_0~180(65)av	104
L_0~180(75)av	101
L_0~180(85)av	134
L_90~270(65)av	105
L_90~270(75)av	103
L_90~270(85)av	0
L_45(65)av	92
L_45(75)av	93
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-07-02

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: 2026-07-02

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:

