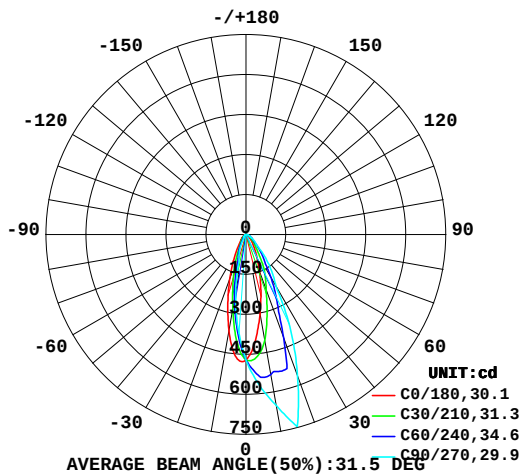


LUMINAIRE PHOTOMETRIC TEST REPORT

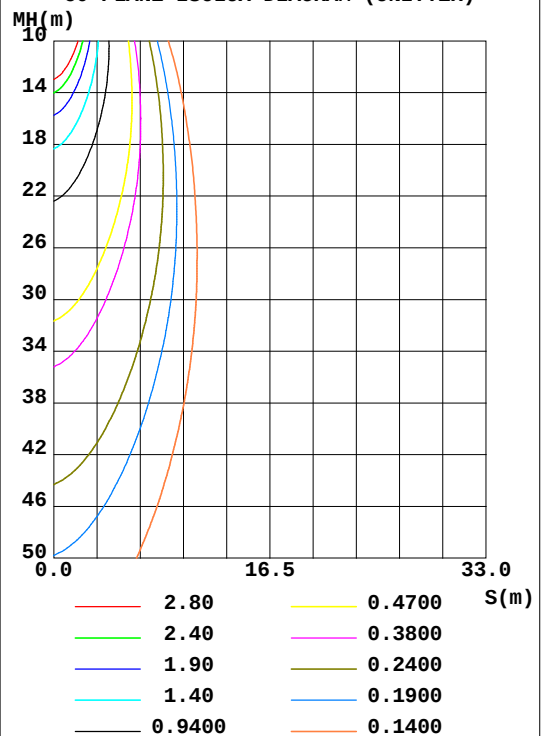
Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6966	TYPE:	WEIGHT:
SPEC.:1W	DIM.: ϕ 1.6*6.7CM+8.2CM	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.16 lm/W			
MODEL		I _{max} (cd)	745.9	S/MH(C0/180)	0.54
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)		TOTAL FLUX(lm)	288.65	h UP, DN(C0-180)	0.0,73.4
NOMINAL FLUX(lm)	288.652	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,26.6
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	0	h down(%)	100.0	CIBSE SHR MAX	0.55

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:NORDECOR
Test Date:2025-08-09

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=2.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
10	304.3	462.5	649.8	513.4	369.1	268.2	226.4	239.7	0- 10	40.07	40.07	13.9, 13.9
20	150.7	334.3	567.9	345.2	179.8	93.70	76.00	81.53	10- 20	84.33	124.4	43.1, 43.1
30	69.65	144.6	225.6	152.8	72.24	45.26	20.12	38.85	20- 30	70.51	194.9	67.5, 67.5
40	35.31	66.25	114.0	62.96	32.58	21.62	13.06	13.07	30- 40	41.34	236.2	81.8, 81.8
50	15.91	34.33	45.60	29.79	18.54	11.69	7.945	7.567	40- 50	23.59	259.8	90, 90
60	6.765	19.08	20.43	16.44	10.45	6.569	4.781	5.007	50- 60	14.11	274.0	94.9, 94.9
70	3.968	9.949	12.01	8.989	6.056	4.253	3.864	3.970	60- 70	8.615	282.6	97.9, 97.9
80	3.099	4.094	0	4.432	3.878	2.415	0	2.657	70- 80	5.102	287.7	99.7, 99.7
90	2.493	0	0	0	2.518	0	0	0	80- 90	0.9842	288.7	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): 249.83 lm

%lum = 86.6%

%lamp = 86.6%

Conical surface Flux(120deg): 273.95 lm

%lum = 94.9%

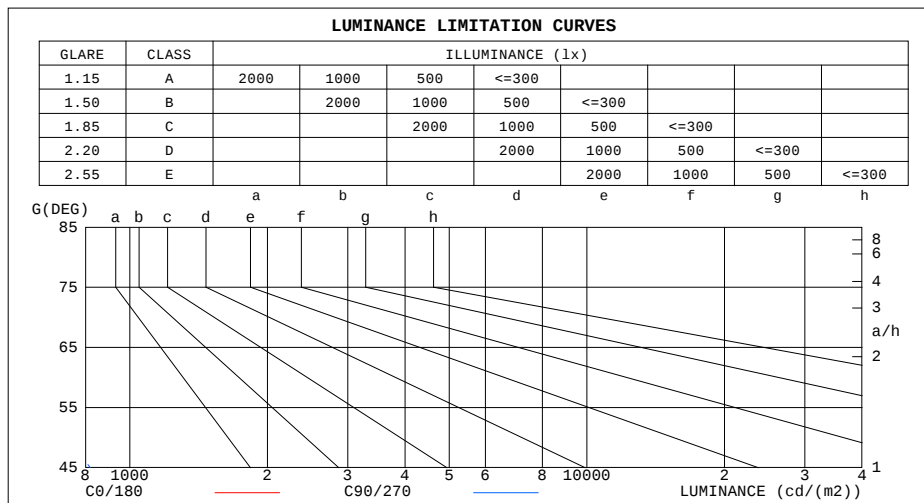
%lamp = 94.9%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:NORDECOR
 Test Date:2025-08-09

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=2.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6966	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.6 \times 6.7\text{CM} + 8.2\text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°



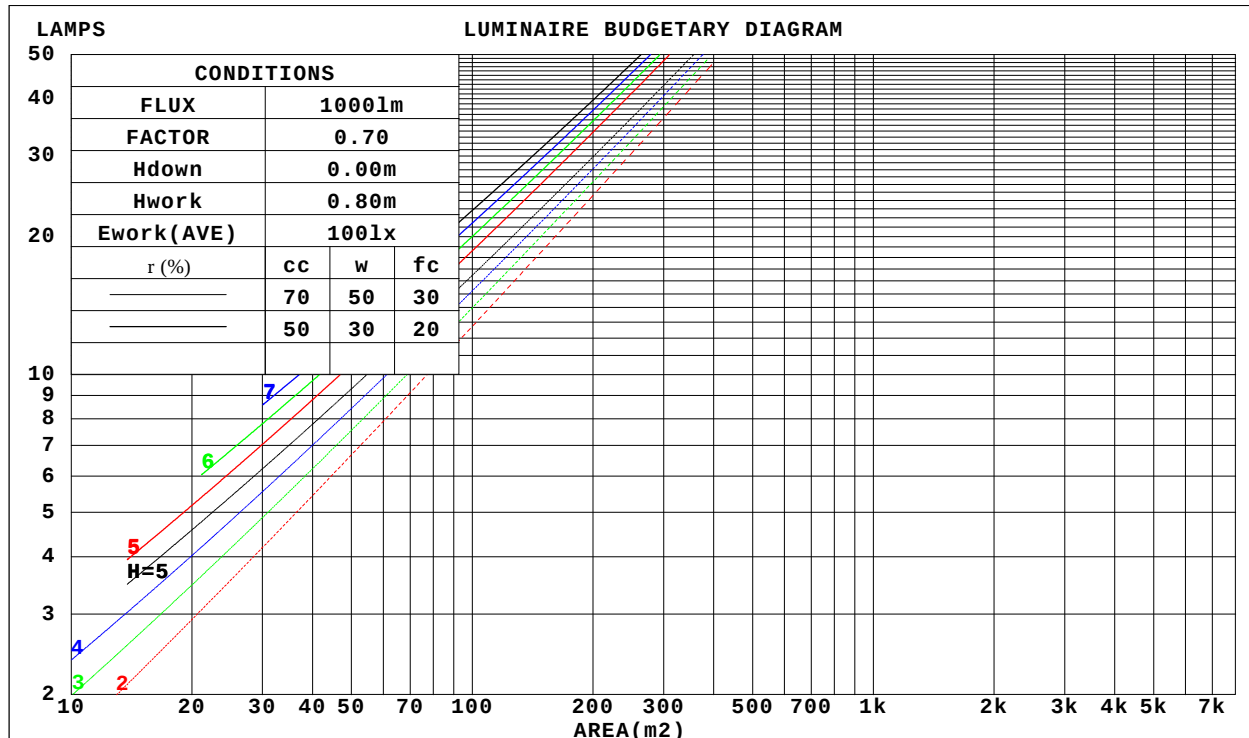
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: NORDECOR
Test Date: 2025-08-09

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=2.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6966	TYPE:	WEIGHT:
SPEC.:1W	DIM.: ϕ 1.6*6.7CM+8.2CM	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

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	1.10	1.07	1.04	1.08	1.05	1.03	1.03	1.01	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.01	.97	.93	.99	.95	.92	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.94	.88	.84	.92	.87	.83	.90	.86	.82	.87	.84	.81	.85	.82	.80	.78
4.0	.87	.81	.77	.86	.81	.76	.84	.79	.76	.82	.78	.75	.80	.77	.74	.72
5.0	.82	.76	.71	.81	.75	.71	.79	.74	.70	.77	.73	.69	.76	.72	.69	.67
6.0	.77	.70	.66	.76	.70	.66	.74	.69	.65	.73	.68	.65	.72	.68	.64	.63
7.0	.72	.66	.62	.72	.66	.62	.70	.65	.61	.69	.64	.61	.68	.64	.61	.59
8.0	.68	.62	.58	.68	.62	.58	.67	.61	.58	.66	.61	.57	.65	.60	.57	.56
9.0	.65	.59	.55	.64	.59	.55	.63	.58	.54	.62	.58	.54	.62	.57	.54	.53
10.0	.62	.56	.52	.61	.55	.52	.60	.55	.52	.59	.55	.51	.59	.54	.51	.50



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: NORDECOR
Test Date: 2025-08-09

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=2.0000]
Remarks:

WEC AND CCEC

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6966	TYPE:	WEIGHT:
SPEC.:1W	DIM.: ϕ 1.6*6.7CM+8.2CM	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

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	.198	.113	.036	.192	.109	.035	.179	.103	.033	.167	.096	.031	.156	.091	.029	
2.0	.188	.103	.032	.183	.101	.031	.172	.096	.030	.162	.091	.028	.153	.086	.027	
3.0	.177	.094	.028	.172	.092	.028	.163	.088	.027	.155	.085	.026	.147	.081	.025	
4.0	.167	.087	.025	.163	.085	.025	.155	.082	.024	.147	.079	.024	.140	.076	.023	
5.0	.157	.080	.023	.153	.079	.023	.146	.076	.022	.140	.074	.022	.134	.072	.022	
6.0	.148	.074	.021	.145	.073	.021	.139	.071	.021	.133	.069	.020	.128	.067	.020	
7.0	.140	.069	.020	.138	.069	.020	.132	.067	.019	.127	.065	.019	.122	.064	.019	
8.0	.133	.065	.018	.131	.064	.018	.126	.063	.018	.121	.062	.018	.117	.060	.018	
9.0	.127	.061	.017	.125	.061	.017	.120	.059	.017	.116	.058	.017	.112	.057	.016	
10.0	.121	.058	.016	.119	.057	.016	.115	.056	.016	.111	.055	.016	.108	.054	.016	

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	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.050	.019	.017	.016	
2.0	.158	.132	.111	.136	.114	.096	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.147	.114	.087	.126	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.137	.099	.071	.117	.086	.061	.081	.060	.043	.047	.035	.026	.015	.011	.008	
5.0	.128	.088	.058	.110	.076	.051	.076	.053	.036	.044	.031	.021	.014	.010	.007	
6.0	.120	.078	.049	.103	.068	.042	.071	.048	.030	.041	.028	.018	.013	.009	.006	
7.0	.113	.071	.041	.098	.061	.036	.067	.043	.025	.039	.025	.015	.013	.008	.005	
8.0	.107	.065	.035	.092	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.102	.059	.031	.088	.052	.027	.061	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.084	.048	.024	.058	.034	.017	.034	.020	.010	.011	.007	.003	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: NORDECOR
Test Date: 2025-08-09

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=2.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm											
NAME: 6966					TYPE:			WEIGHT:			
SPEC.:1W					DIM.: Φ 1.6*6.7CM+8.2CM			SERIAL No.:01			
MFR.: NORDECOR					SUR.:			Shielding Angle:30°			
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	10.6	11.6	10.8	11.8	12.0	14.8	15.8	15.0	16.0	16.2	
	3H	10.9	11.8	11.1	12.0	12.2	15.4	16.3	15.7	16.5	16.7
	4H	11.0	11.9	11.3	12.1	12.3	15.6	16.5	15.9	16.7	17.0
	6H	11.2	12.0	11.5	12.3	12.5	15.6	16.4	15.9	16.7	16.9
	8H	11.4	12.2	11.7	12.5	12.7	15.5	16.4	15.9	16.6	16.9
	12H	11.7	12.4	12.0	12.7	13.0	15.5	16.3	15.8	16.5	16.8
4H	2H	11.3	12.2	11.6	12.4	12.7	14.9	15.7	15.1	16.0	16.2
	3H	11.8	12.6	12.1	12.9	13.1	15.6	16.4	16.0	16.7	17.0
	4H	12.0	12.7	12.4	13.1	13.4	16.0	16.7	16.3	17.0	17.3
	6H	12.3	13.0	12.7	13.3	13.7	16.0	16.6	16.4	16.9	17.3
	8H	12.6	13.2	13.0	13.5	13.9	15.9	16.5	16.3	16.9	17.2
	12H	12.9	13.5	13.3	13.8	14.2	15.9	16.4	16.3	16.8	17.2
8H	4H	12.5	13.0	12.9	13.4	13.8	16.0	16.6	16.4	16.9	17.3
	6H	12.9	13.4	13.4	13.8	14.2	16.0	16.5	16.5	16.9	17.3
	8H	13.3	13.7	13.7	14.1	14.6	16.0	16.4	16.4	16.8	17.3
	12H	13.8	14.2	14.3	14.6	15.1	15.9	16.3	16.4	16.7	17.2
12H	4H	12.4	13.0	12.8	13.3	13.7	16.0	16.5	16.4	16.9	17.3
	6H	12.9	13.4	13.4	13.8	14.2	16.0	16.4	16.5	16.8	17.3
	8H	13.3	13.7	13.8	14.1	14.6	16.0	16.3	16.4	16.8	17.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.8 / - 0.9					+ 1.2 / - 1.3					
1.5H	+ 0.4 / - 1.2					+ 2.4 / - 1.0					
2.0H	+ 0.8 / - 1.6					+ 1.3 / - 1.3					

CIE Pub.117, 288.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.3)
Area: 0.1 m2

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: NORDECOR
Test Date: 2025-08-09

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=2.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6966	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.6 \times 6.7\text{CM} + 8.2\text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

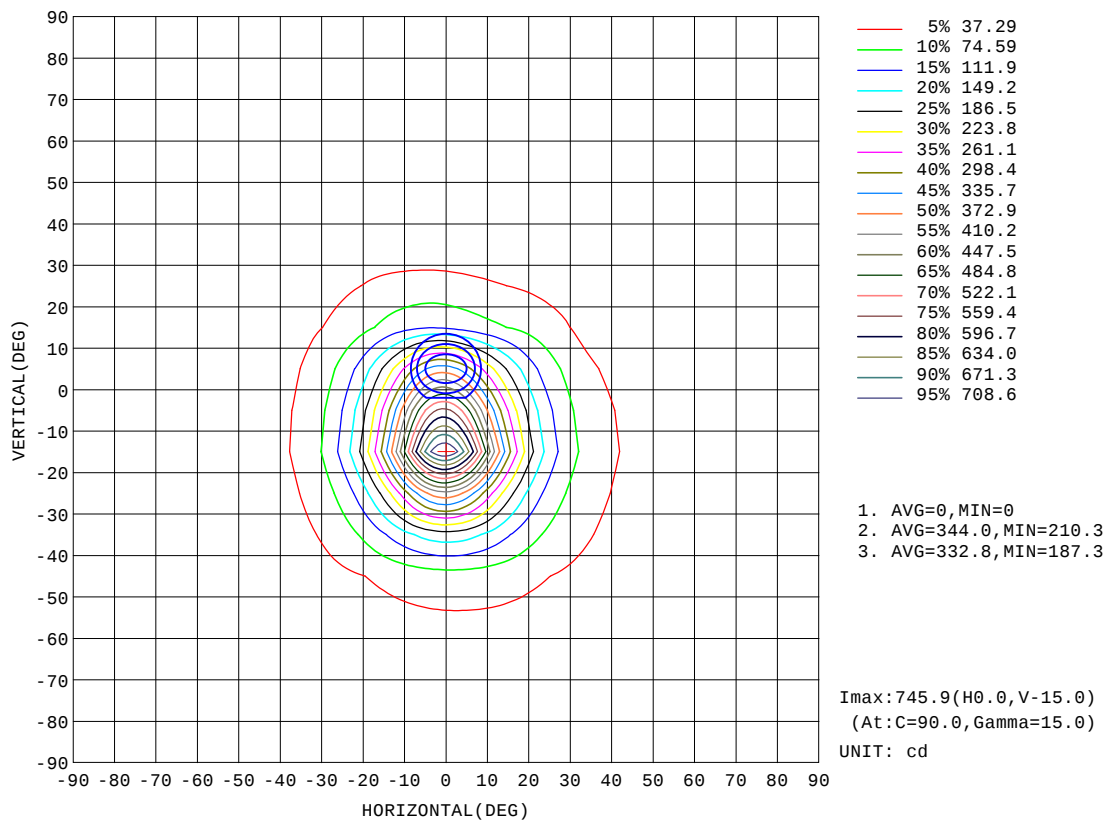
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	80	73	68	80	72	68	79	72	68	64
0.80	88	81	77	88	81	76	86	80	76	72
1.00	94	87	83	93	87	82	91	87	82	77
1.25	99	92	88	97	92	88	95	90	87	82
1.50	102	96	92	101	95	91	98	94	90	85
2.00	106	100	97	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	103	99	97	90
3.00	110	105	102	108	104	101	104	101	99	92
4.00	112	109	106	110	107	105	106	104	102	94
5.00	114	111	108	111	109	107	107	105	104	96
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:NORDECOR
Test Date:2025-08-09

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=2.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6966	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.6 \times 6.7\text{CM} + 8.2\text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°



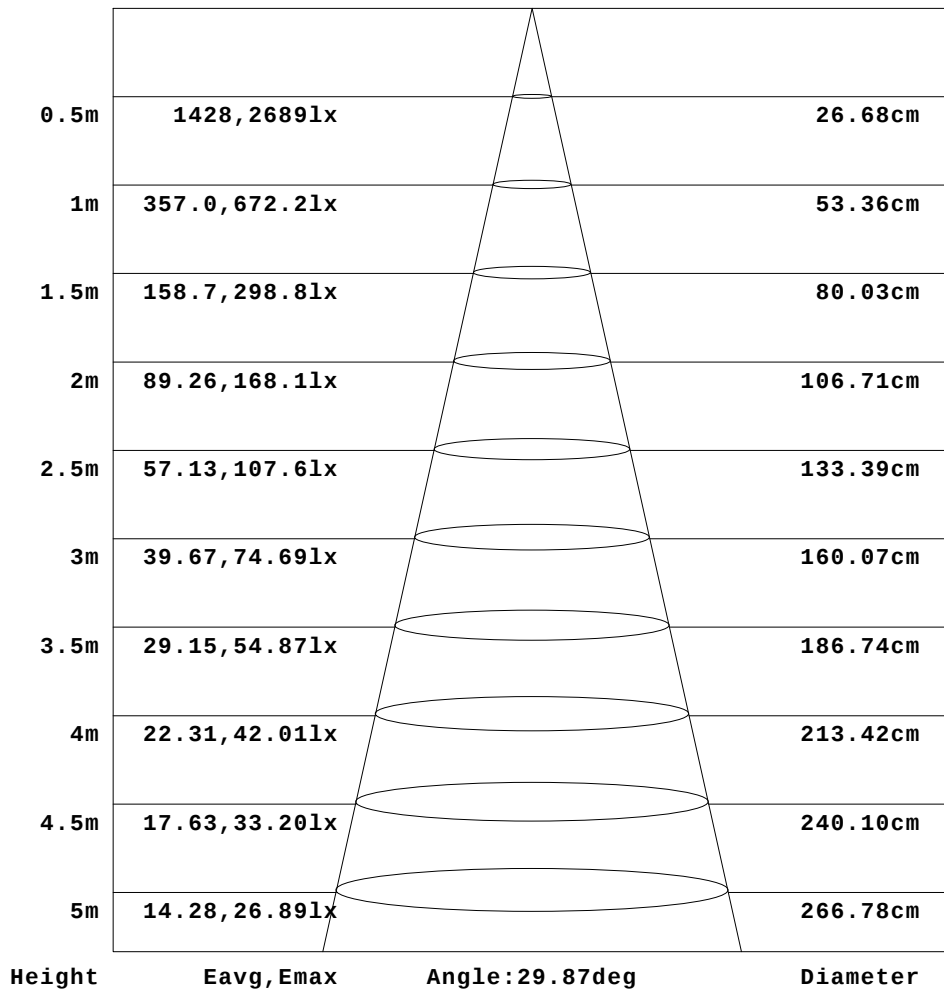
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

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=2.0000]
Remarks:

AAI Figure

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6966	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.6 \times 6.7\text{CM} + 8.2\text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

Flux out:80.53 lm



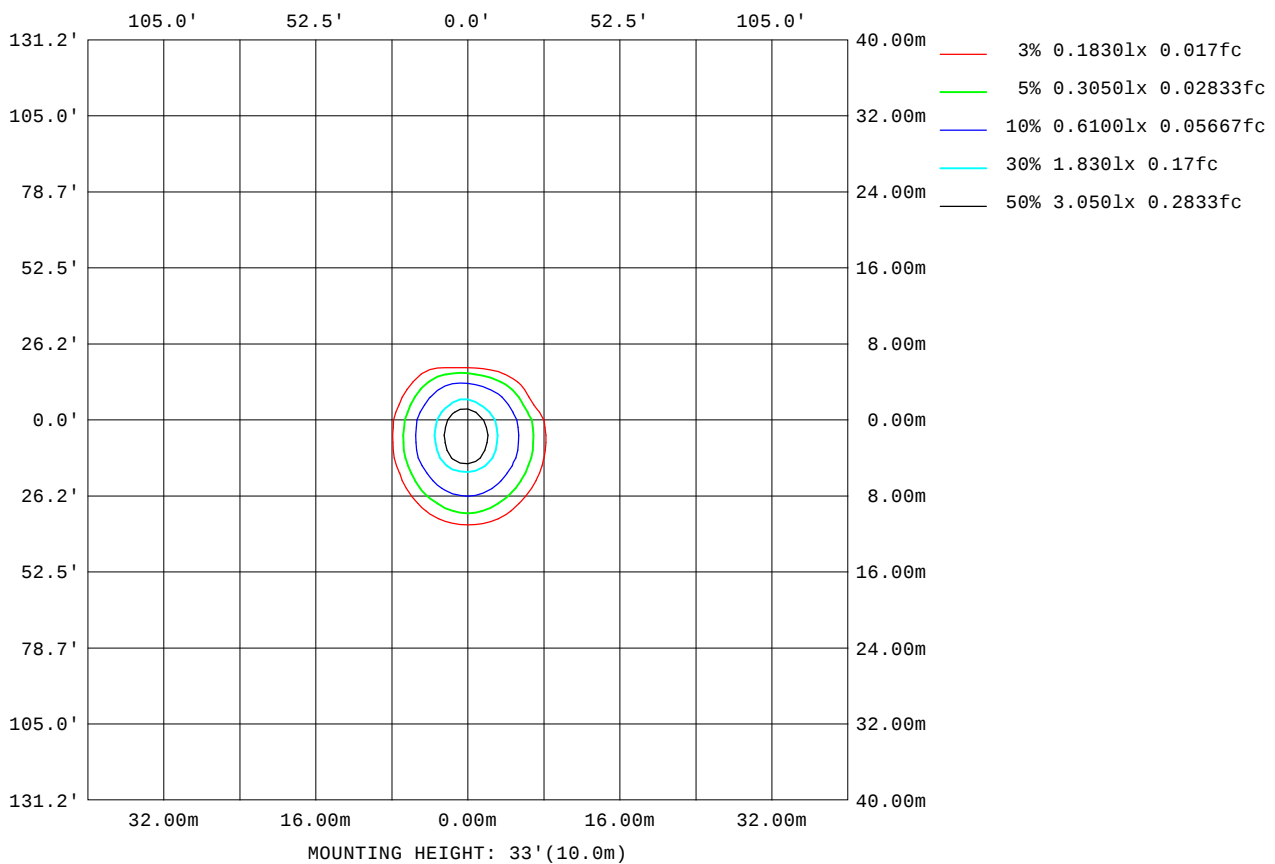
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

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=2.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6966	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi 1.6 \times 6.7\text{CM} + 8.2\text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: NORDECOR
Test Date: 2025-08-09

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=2.0000]
Remarks:

LED Avg.L Report

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6966	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.6 \times 6.7\text{CM} + 8.2\text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

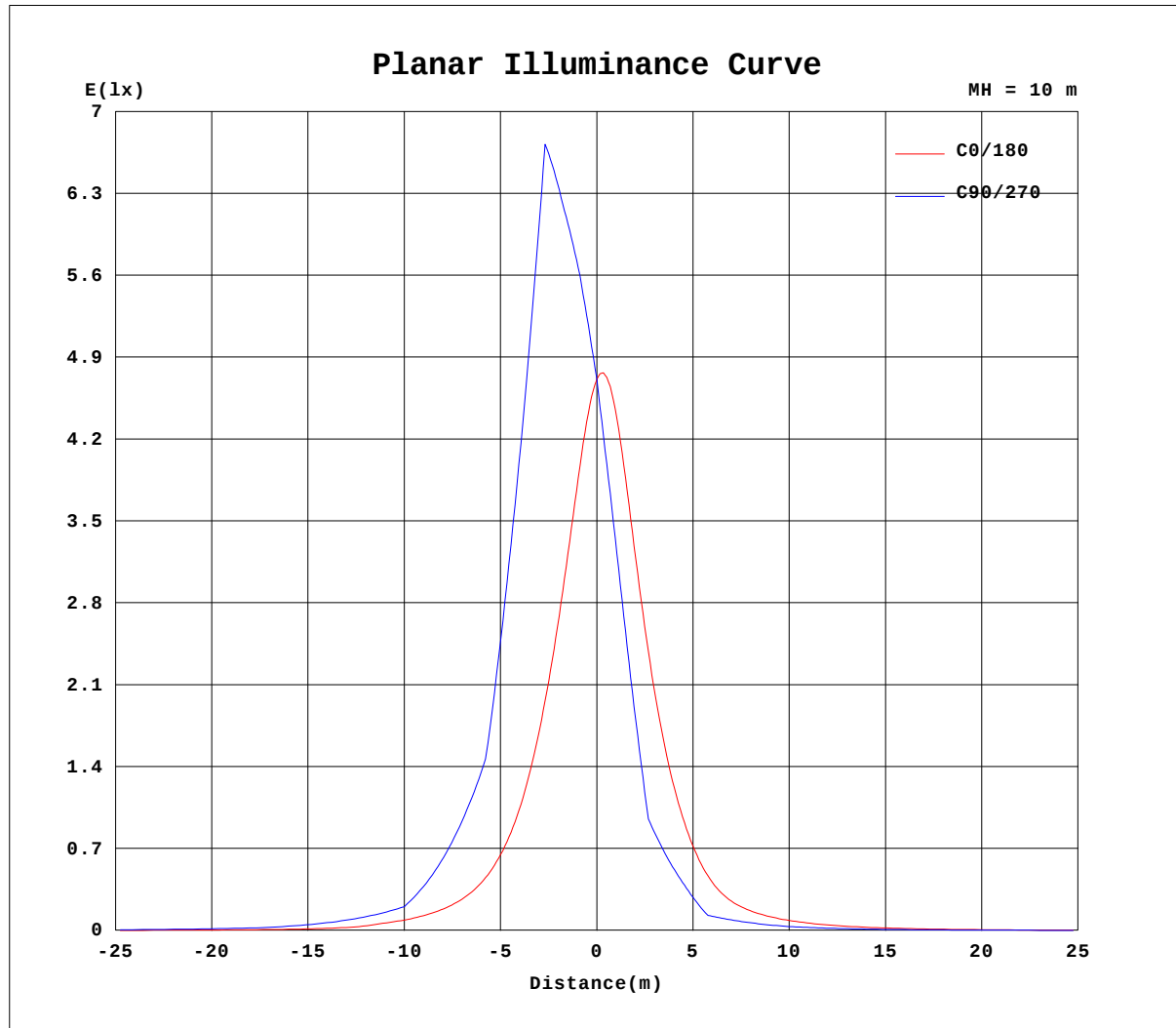
AvgL	cd/m2
L_0~180(65)av	144
L_0~180(75)av	164
L_0~180(85)av	330
L_90~270(65)av	242
L_90~270(75)av	217
L_90~270(85)av	0
L_45(65)av	211
L_45(75)av	206
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: NORDECOR
Test Date: 2025-08-09

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=2.0000]
Remarks:

Planar Illuminance Curve



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: NORDECOR
Test Date: 2025-08-09

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=2.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6966	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi 1.6 \times 6.7 \text{CM} + 8.2 \text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

Table- -3

UNIT: cd

[illegible]

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

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=2.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6966	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi 1.6 \times 6.7 \text{CM} + 8.2 \text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

Table - -4

UNIT: cd

[illegible]

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

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=2.0000]
Remarks: