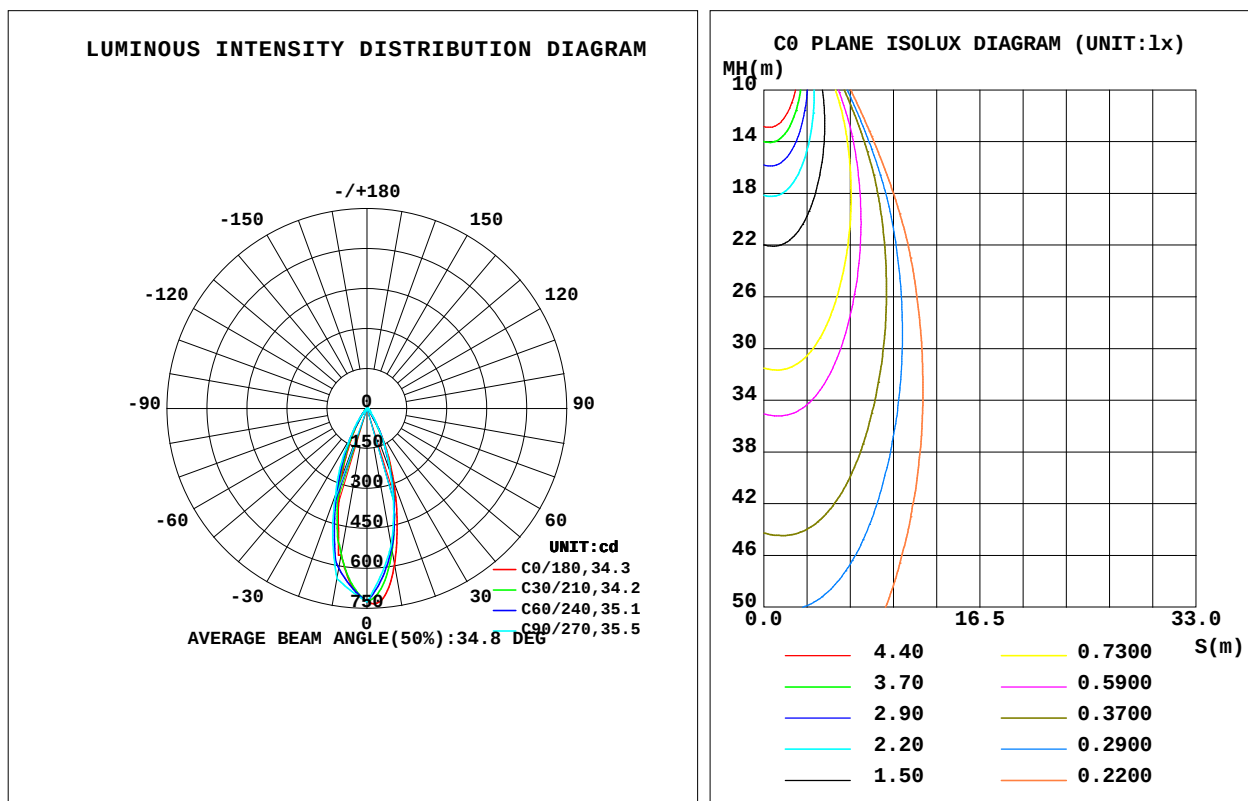


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:150.17V I:0.0535A P:4.3317W PF:0.5387 Freq:50.00Hz Lamp Flux:310.775x1 lm		
NAME: 6854	TYPE:4W-3000K	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.74 lm/W			
MODEL		I _{max} (cd)	733.3	S/MH(C0/180)	0.56
NOMINAL POWER(W)	4	LOR(%)	100.0	S/MH(C90/270)	0.64
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	310.77	h UP, DN(C0-180)	0.0,46.6
NOMINAL FLUX(lm)	310.775	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,53.4
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



H_b Range: -90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.100m [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	595.5	536.2	523.0	506.2	557.8	579.8	648.4	606.9	0- 10	60.17	60.17	19.4, 19.4
20	296.1	267.4	255.4	258.3	283.8	316.9	347.3	325.5	10- 20	117.5	177.7	57.2, 57.2
30	84.48	86.07	79.45	88.80	94.53	112.5	116.0	106.9	20- 30	83.12	260.8	83.9, 83.9
40	13.04	18.02	22.90	25.78	27.18	23.89	17.88	13.79	30- 40	30.17	290.9	93.6, 93.6
50	5.097	4.925	6.412	5.802	6.575	4.974	4.992	4.299	40- 50	8.671	299.6	96.4, 96.4
60	3.797	3.807	5.001	4.743	5.094	3.898	3.899	3.315	50- 60	4.271	303.9	97.8, 97.8
70	2.678	2.747	3.262	3.335	3.450	2.918	2.874	2.524	60- 70	3.462	307.3	98.9, 98.9
80	1.851	1.766	1.696	2.029	2.220	2.038	1.807	1.816	70- 80	2.497	309.8	99.7, 99.7
90	1.334	0	0	0	1.334	0	0	0	80- 90	0.9281	310.8	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): 296.53 lm

%lum = 95.4%

%lamp = 95.4%

Conical surface Flux(120deg): 303.89 lm

%lum = 97.8%

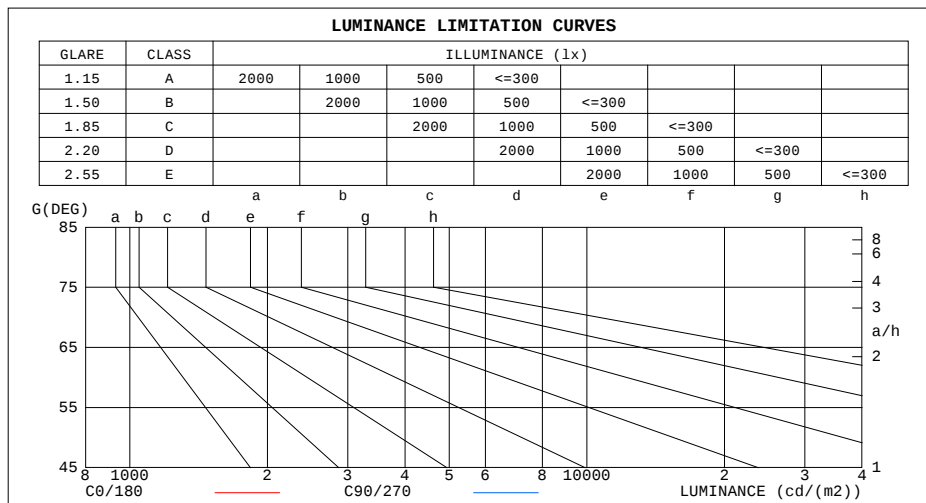
%lamp = 97.8%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-09-04

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:150.17V I:0.0535A P:4.3317W PF:0.5387 Freq:50.00Hz Lamp Flux:310.775x1 lm		
NAME: 6854	TYPE:4W-3000K	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	158	0
80	107	98
75	86	96
70	78	95
65	76	98
60	76	100
55	78	99
50	79	100
45	83	207

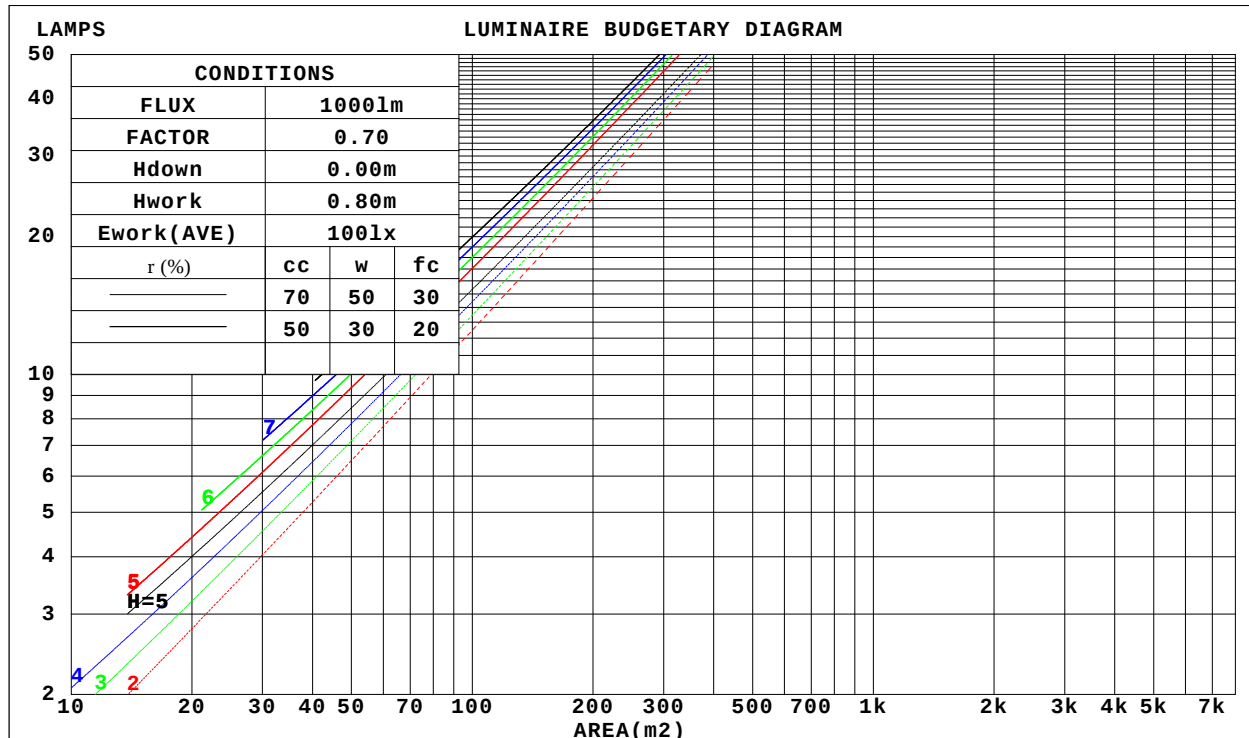
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:150.17V I:0.0535A P:4.3317W PF:0.5387 Freq:50.00Hz Lamp Flux:310.775x1 lm		
NAME: 6854	TYPE:4W-3000K	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	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	1.00	.99	.98	.97	.96	.94
2.0	1.04	1.01	.98	1.03	.99	.96	.99	.97	.94	.97	.94	.92	.94	.92	.90	.89
3.0	.98	.94	.90	.97	.93	.90	.94	.91	.88	.92	.89	.87	.90	.87	.85	.84
4.0	.93	.88	.84	.92	.87	.84	.90	.86	.83	.88	.85	.82	.86	.83	.81	.80
5.0	.88	.83	.79	.87	.83	.79	.86	.81	.78	.84	.80	.78	.83	.79	.77	.76
6.0	.84	.79	.75	.83	.78	.75	.82	.77	.74	.80	.77	.74	.79	.76	.73	.72
7.0	.80	.75	.71	.79	.74	.71	.78	.74	.71	.77	.73	.70	.76	.73	.70	.69
8.0	.77	.71	.68	.76	.71	.68	.75	.70	.67	.74	.70	.67	.73	.69	.67	.66
9.0	.73	.68	.65	.73	.68	.65	.72	.67	.64	.71	.67	.64	.70	.67	.64	.63
10.0	.70	.65	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.68	.64	.61	.60



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-04

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:150.17V I:0.0535A P:4.3317W PF:0.5387 Freq:50.00Hz Lamp Flux:310.775x1 lm					
NAME: 6854			TYPE:4W-3000K		WEIGHT:
SPEC.:			DIM.: 62*41*84mm		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	.030	.162	.092	.029	.149	.086	.027	.138	.080	.026	.127	.074	.024	
2.0	.158	.087	.027	.152	.084	.026	.142	.079	.025	.132	.074	.023	.123	.070	.022	
3.0	.148	.079	.024	.144	.077	.023	.135	.073	.022	.126	.069	.021	.119	.066	.020	
4.0	.140	.073	.021	.136	.071	.021	.128	.068	.020	.121	.065	.020	.114	.062	.019	
5.0	.132	.067	.019	.128	.066	.019	.122	.063	.019	.116	.061	.018	.110	.059	.018	
6.0	.125	.063	.018	.122	.062	.018	.116	.060	.017	.111	.058	.017	.106	.056	.017	
7.0	.119	.059	.017	.116	.058	.017	.111	.056	.016	.107	.055	.016	.102	.053	.016	
8.0	.113	.055	.016	.111	.055	.015	.107	.053	.015	.102	.052	.015	.099	.051	.015	
9.0	.108	.052	.015	.106	.052	.015	.102	.051	.014	.099	.049	.014	.095	.048	.014	
10.0	.104	.050	.014	.102	.049	.014	.099	.048	.014	.095	.047	.013	.092	.046	.013	

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	.146	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.154	.133	.114	.132	.114	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.141	.113	.092	.121	.098	.079	.083	.068	.056	.048	.040	.033	.015	.013	.011	
4.0	.130	.099	.075	.111	.085	.065	.077	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.120	.087	.062	.103	.075	.054	.071	.052	.038	.041	.031	.023	.013	.010	.007	
6.0	.112	.077	.052	.096	.067	.045	.067	.047	.032	.039	.027	.019	.012	.009	.006	
7.0	.105	.069	.044	.091	.060	.038	.063	.042	.027	.036	.025	.016	.012	.008	.005	
8.0	.099	.063	.038	.085	.055	.033	.059	.038	.023	.034	.023	.014	.011	.007	.005	
9.0	.094	.057	.033	.081	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.089	.053	.029	.077	.046	.025	.053	.032	.018	.031	.019	.011	.010	.006	.004	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-04

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:150.17V I:0.0535A P:4.3317W PF:0.5387 Freq:50.00Hz Lamp Flux:310.775x1 lm											
NAME: 6854						TYPE:4W-3000K			WEIGHT:		
SPEC.:						DIM.: 62*41*84mm			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	2H	2.1	3.0	2.4	3.1	3.3	4.2	5.0	4.4	5.2	5.3
	3H	2.9	3.7	3.2	3.9	4.1	4.9	5.7	5.1	5.8	6.0
	4H	3.4	4.2	3.7	4.4	4.6	5.3	6.0	5.6	6.2	6.5
	6H	4.0	4.7	4.3	5.0	5.2	5.7	6.4	6.0	6.6	6.9
	8H	4.4	5.1	4.7	5.3	5.6	5.8	6.5	6.1	6.7	7.0
	12H	4.8	5.5	5.1	5.7	6.0	5.8	6.4	6.1	6.7	7.0
4H	2H	2.4	3.1	2.7	3.3	3.6	4.2	4.9	4.5	5.2	5.4
	3H	3.4	4.0	3.7	4.3	4.6	5.2	5.8	5.5	6.1	6.3
	4H	4.1	4.7	4.4	5.0	5.3	5.8	6.3	6.1	6.6	6.9
	6H	4.9	5.4	5.3	5.7	6.1	6.4	6.9	6.7	7.2	7.5
	8H	5.4	5.9	5.8	6.2	6.6	6.5	7.0	6.9	7.3	7.7
	12H	5.9	6.4	6.3	6.7	7.1	6.5	6.9	6.9	7.3	7.7
8H	4H	4.4	4.9	4.8	5.3	5.6	5.9	6.4	6.3	6.7	7.1
	6H	5.5	5.9	5.9	6.3	6.7	6.7	7.1	7.1	7.5	7.9
	8H	6.1	6.5	6.5	6.9	7.3	6.9	7.3	7.4	7.7	8.1
	12H	6.8	7.1	7.3	7.6	8.0	6.9	7.2	7.4	7.7	8.1
12H	4H	4.5	4.9	4.9	5.3	5.7	5.9	6.4	6.3	6.7	7.1
	6H	5.6	6.0	6.1	6.4	6.8	6.8	7.2	7.2	7.6	8.0
	8H	6.3	6.6	6.8	7.1	7.6	7.1	7.4	7.5	7.8	8.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.5					+ 1.2 / - 0.9					
1.5H	+ 1.1 / - 0.4					+ 2.6 / - 1.0					
2.0H	+ 0.2 / - 0.3					+ 1.5 / - 0.6					

CIE Pub.117, 310.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.1)
Area: 0.1 m2

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-04

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:150.17V I:0.0535A P:4.3317W PF:0.5387 Freq:50.00Hz Lamp Flux:310.775x1 lm		
NAME: 6854	TYPE:4W-3000K	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

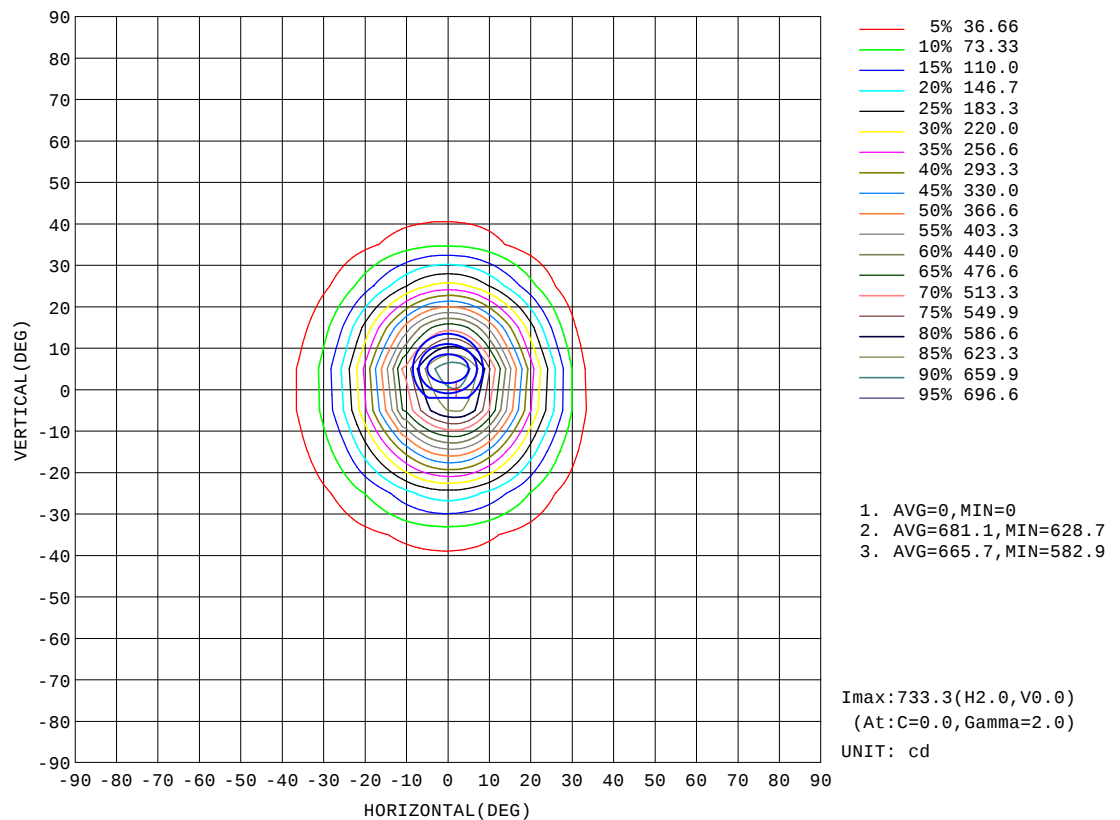
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	88	81	78	87	81	78	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	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:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:150.17V I:0.0535A P:4.3317W PF:0.5387 Freq:50.00Hz Lamp Flux:310.775x1 lm		
NAME: 6854	TYPE:4W-3000K	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



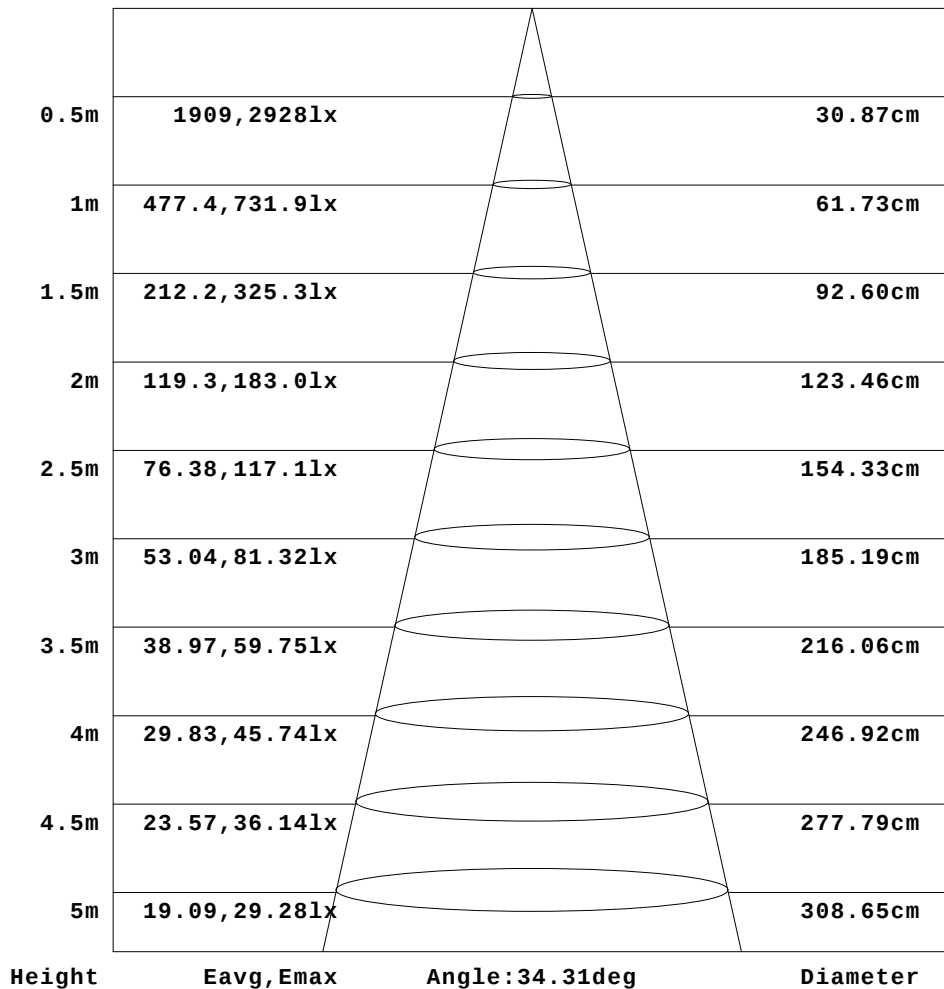
H(b) Range: -90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-04

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

AAI Figure

Test:U:150.17V I:0.0535A P:4.3317W PF:0.5387 Freq:50.00Hz Lamp Flux:310.775x1 lm		
NAME: 6854	TYPE:4W-3000K	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

Flux out:149.1 lm



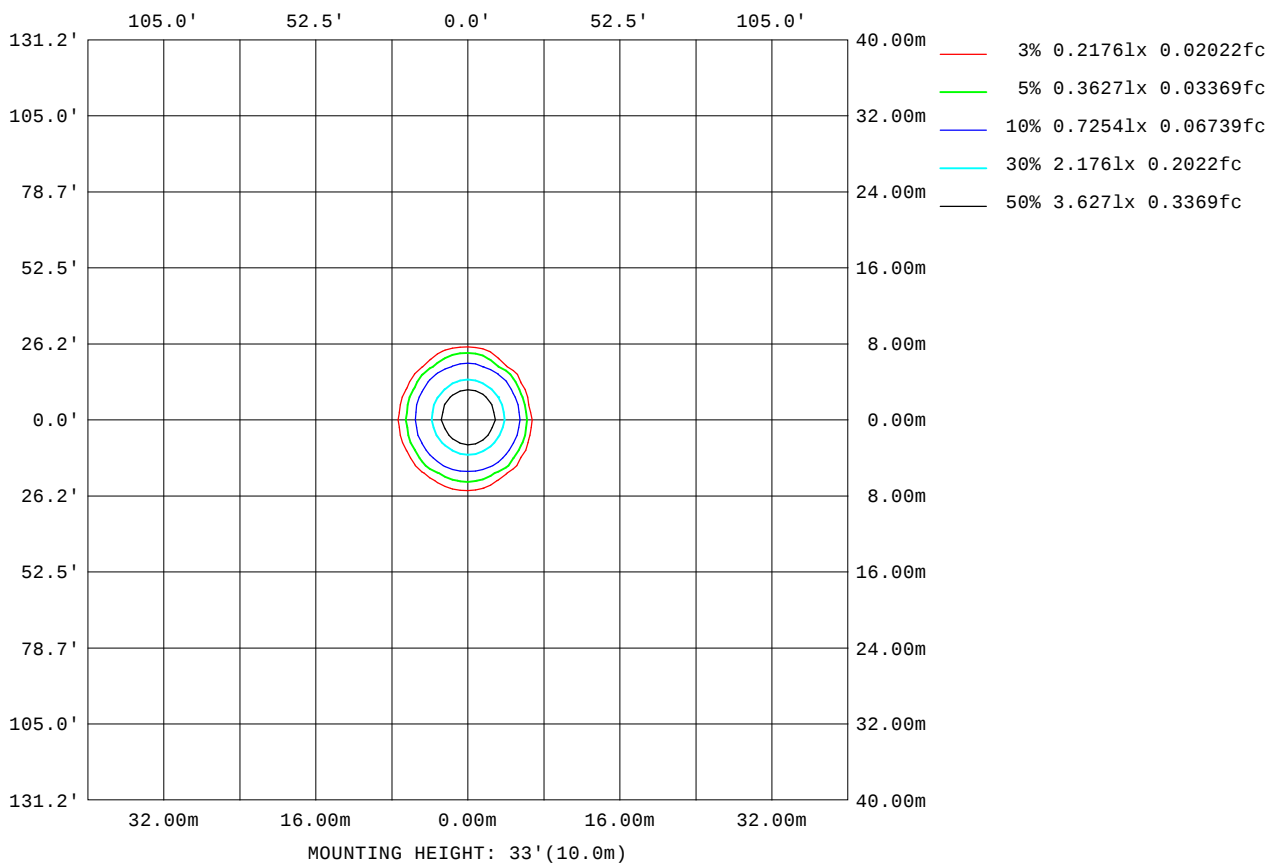
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:150.17V I:0.0535A P:4.3317W PF:0.5387 Freq:50.00Hz Lamp Flux:310.775x1 lm		
NAME: 6854	TYPE:4W-3000K	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	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: 2026-09-04

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:150.17V I:0.0535A P:4.3317W PF:0.5387 Freq:50.00Hz Lamp Flux:310.775x1 lm		
NAME: 6854	TYPE:4W-3000K	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

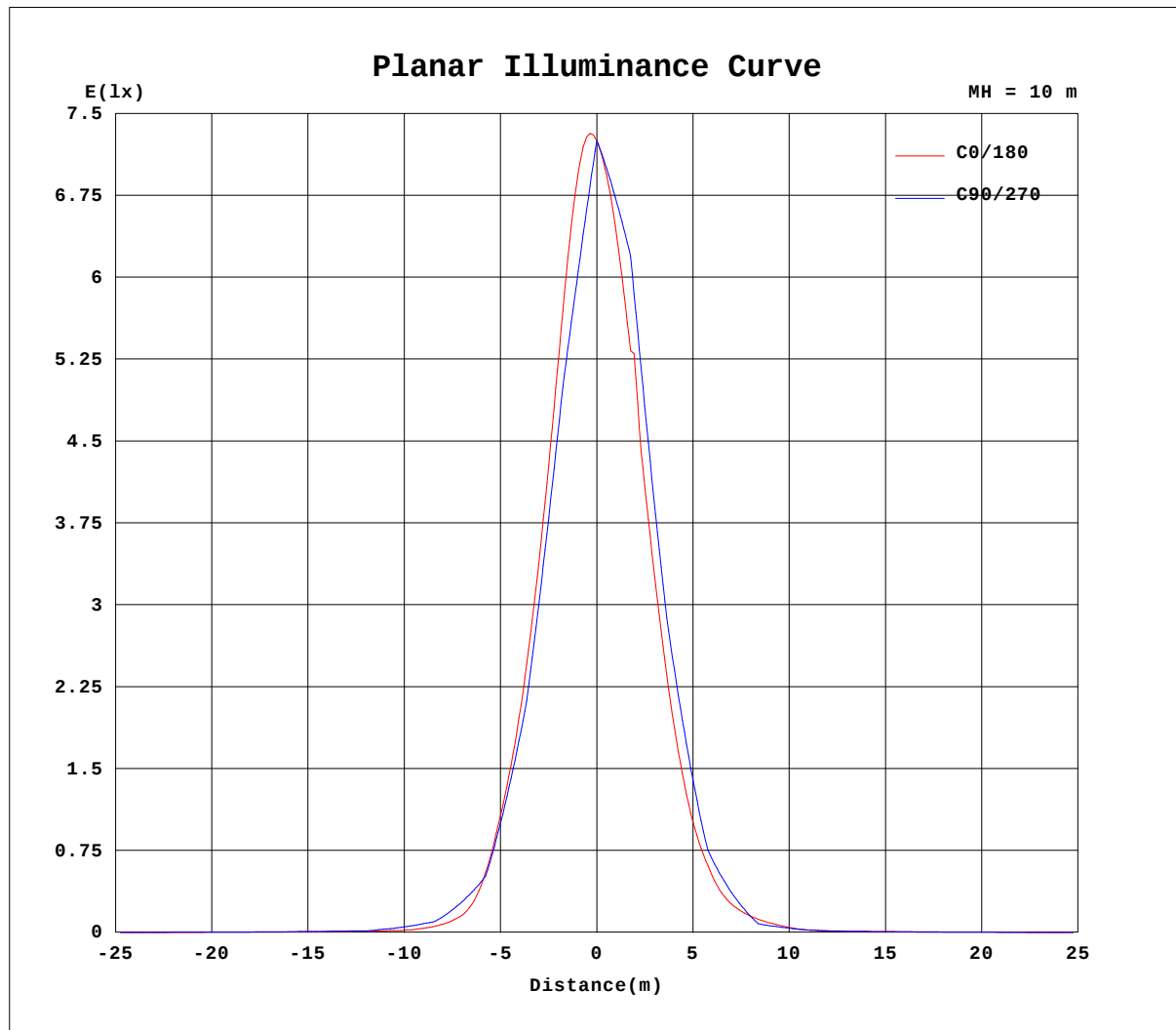
AvgL	cd/m2
L_0~180(65)av	88
L_0~180(75)av	97
L_0~180(85)av	172
L_90~270(65)av	89
L_90~270(75)av	93
L_90~270(85)av	0
L_45(65)av	80
L_45(75)av	92
L_45(85)av	78

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.100m [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: 2026-09-04

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

