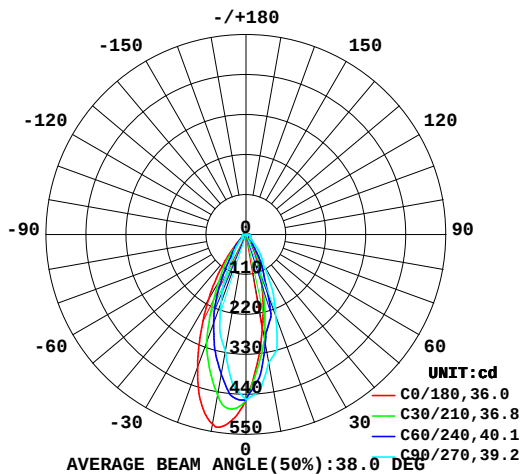


LUMINAIRE PHOTOMETRIC TEST REPORT

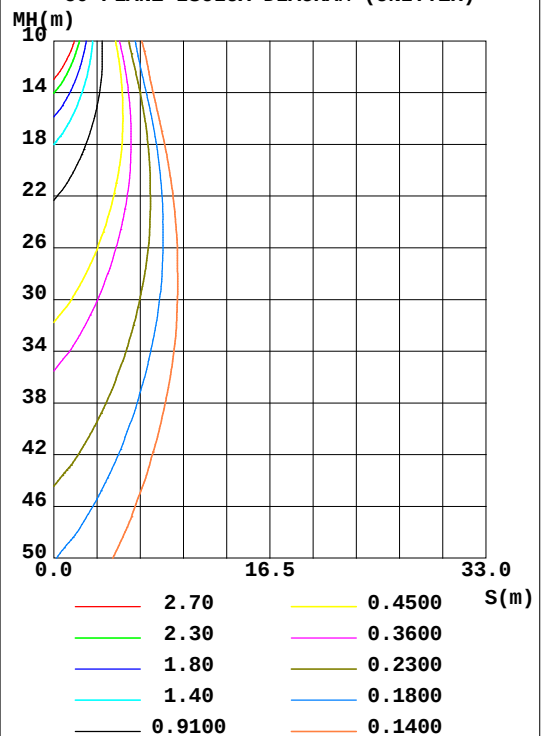
Test:U:220.35V I:0.0392A P:3.8954W PF:0.4511 Freq:50.00Hz Lamp Flux:288.947x1 lm		
NAME: 6854-4W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.18 lm/W			
MODEL		I _{max} (cd)	535.9	S/MH(C0/180)	0.87
NOMINAL POWER(W)	4	LOR(%)	100.0	S/MH(C90/270)	0.59
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	288.95	h UP, DN(C0-180)	0.0,51.5
NOMINAL FLUX(lm)	288.947	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,48.5
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	h down(%)	100.0	CIBSE SHR MAX	0.65

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: 2026-08-10

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: 7.500m [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	261.8	294.8	358.8	450.0	529.8	423.4	326.8	278.6	0- 10	38.64	38.64	13.4, 13.4
20	113.4	165.1	239.6	325.9	390.6	279.7	199.3	141.7	10- 20	82.30	120.9	41.9, 41.9
30	34.42	54.09	96.46	175.3	206.8	147.1	71.67	48.93	20- 30	72.91	193.8	67.1, 67.1
40	14.99	16.81	43.18	55.41	75.30	47.83	34.69	16.60	30- 40	40.32	234.2	81, 81
50	13.44	13.22	15.37	22.24	22.31	21.46	15.22	13.55	40- 50	18.64	252.8	87.5, 87.5
60	11.77	11.68	13.03	13.56	13.83	13.59	13.27	12.04	50- 60	12.58	265.4	91.8, 91.8
70	9.446	10.08	11.21	11.23	10.95	11.20	11.50	10.39	60- 70	11.65	277.0	95.9, 95.9
80	8.337	6.554	0	6.993	8.664	6.997	0	6.773	70- 80	9.422	286.5	99.1, 99.1
90	8.202	0	0	0	8.518	0	0	0	80- 90	2.479	288.9	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): 245.19 lm

%lum = 84.9%

%lamp = 84.9%

Conical surface Flux(120deg): 265.39 lm

%lum = 91.8%

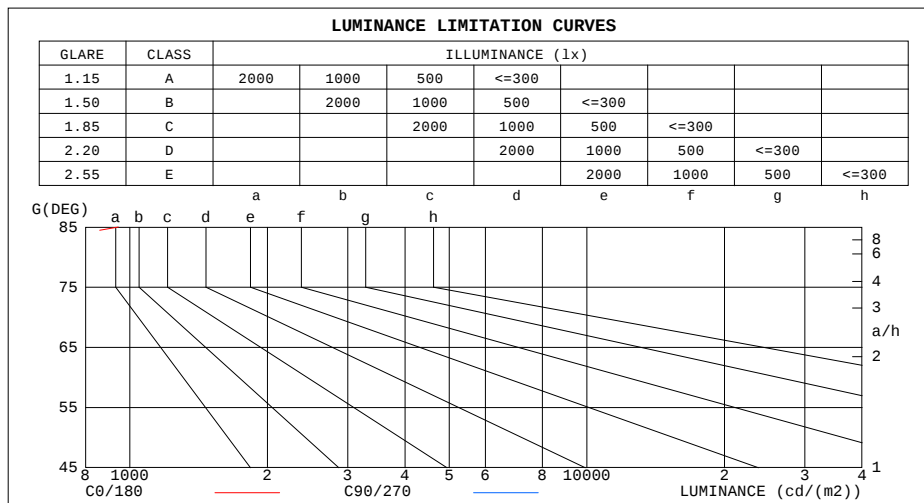
%lamp = 91.8%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-10

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:7.500m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.35V I:0.0392A P:3.8954W PF:0.4511 Freq:50.00Hz Lamp Flux:288.947x1 lm		
NAME: 6854-4W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



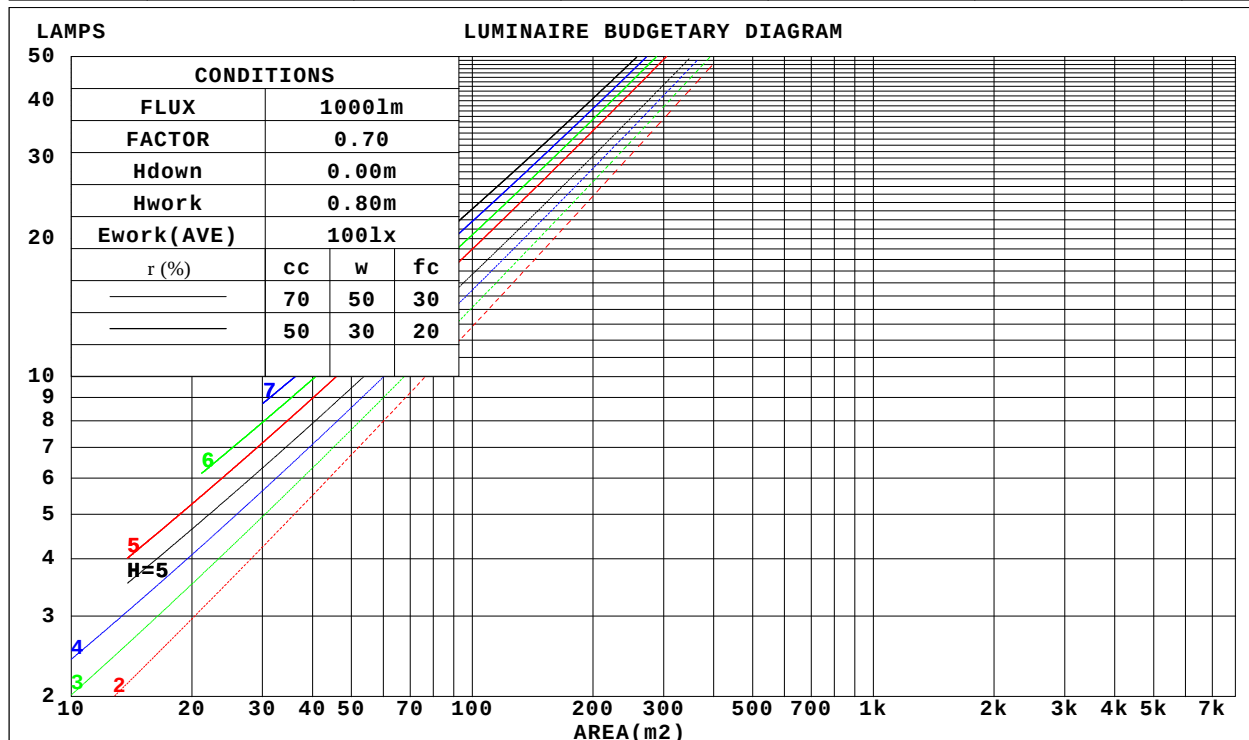
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-10

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: 7.500m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.35V I:0.0392A P:3.8954W PF:0.4511 Freq:50.00Hz Lamp Flux:288.947x1 lm		
NAME: 6854-4W-3000K	TYPE:室内	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	.00
1.0	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.00	.98	.99	.97	.96	.95	.94	.93	.91
2.0	1.00	.95	.91	.98	.94	.90	.95	.91	.88	.92	.89	.86	.89	.87	.85	.83
3.0	.93	.87	.82	.91	.86	.82	.88	.84	.80	.86	.82	.79	.84	.81	.78	.76
4.0	.86	.80	.75	.85	.79	.75	.83	.78	.74	.81	.76	.73	.79	.75	.72	.71
5.0	.81	.74	.70	.80	.74	.69	.78	.73	.69	.76	.71	.68	.74	.70	.67	.66
6.0	.76	.69	.65	.75	.69	.64	.73	.68	.64	.72	.67	.64	.70	.66	.63	.62
7.0	.71	.65	.60	.71	.65	.60	.69	.64	.60	.68	.63	.60	.67	.63	.59	.58
8.0	.67	.61	.57	.67	.61	.57	.66	.60	.56	.65	.60	.56	.64	.59	.56	.55
9.0	.64	.58	.54	.63	.58	.54	.62	.57	.53	.61	.57	.53	.61	.56	.53	.52
10.0	.61	.55	.51	.60	.55	.51	.59	.54	.51	.59	.54	.50	.58	.53	.50	.49



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-10

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: 7.500m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.35V I:0.0392A P:3.8954W PF:0.4511 Freq:50.00Hz Lamp Flux:288.947x1 lm		
NAME: 6854-4W-3000K	TYPE:室内	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	.213	.121	.038	.206	.118	.037	.194	.111	.035	.182	.105	.034	.171	.099	.032	
2.0	.199	.109	.033	.193	.107	.033	.183	.102	.032	.173	.097	.030	.163	.092	.029	
3.0	.185	.099	.030	.180	.097	.029	.171	.093	.028	.162	.089	.027	.154	.085	.026	
4.0	.173	.090	.026	.168	.088	.026	.160	.085	.025	.153	.082	.025	.146	.079	.024	
5.0	.162	.082	.024	.158	.081	.024	.151	.079	.023	.144	.076	.023	.138	.074	.022	
6.0	.152	.076	.022	.149	.075	.022	.142	.073	.021	.137	.071	.021	.131	.069	.021	
7.0	.143	.071	.020	.140	.070	.020	.135	.068	.020	.130	.067	.019	.125	.065	.019	
8.0	.136	.066	.019	.133	.066	.019	.128	.064	.018	.124	.063	.018	.119	.061	.018	
9.0	.129	.062	.017	.126	.062	.017	.122	.060	.017	.118	.059	.017	.114	.058	.017	
10.0	.123	.059	.016	.120	.058	.016	.117	.057	.016	.113	.056	.016	.109	.055	.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	.174	.157	.142	.149	.135	.122	.102	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.148	.114	.086	.127	.098	.075	.087	.068	.052	.050	.040	.031	.016	.013	.010	
4.0	.138	.099	.070	.118	.086	.061	.081	.060	.043	.047	.035	.025	.015	.011	.008	
5.0	.129	.088	.057	.111	.076	.050	.076	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.121	.079	.048	.104	.068	.042	.072	.048	.030	.042	.028	.018	.013	.009	.006	
7.0	.114	.071	.041	.098	.062	.036	.068	.043	.025	.040	.025	.015	.013	.008	.005	
8.0	.108	.065	.035	.093	.056	.031	.065	.040	.022	.038	.023	.013	.012	.008	.004	
9.0	.103	.060	.031	.089	.052	.027	.061	.036	.019	.036	.021	.011	.012	.007	.004	
10.0	.098	.055	.027	.084	.048	.023	.059	.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:
Test Date: 2026-08-10

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: 7.500m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.35V I:0.0392A P:3.8954W PF:0.4511 Freq:50.00Hz Lamp Flux:288.947x1 lm										
NAME: 6854-4W-3000K					TYPE:室内			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	7.4	8.4	7.6	8.6	8.8	8.5	9.6	8.8	9.8	9.9
	9.8	10.8	10.1	11.0	11.2	10.8	11.8	11.1	12.0	12.2
	11.1	12.0	11.3	12.2	12.4	12.1	13.0	12.4	13.2	13.5
	12.6	13.4	12.9	13.7	13.9	12.4	13.2	12.7	13.5	13.7
	13.5	14.4	13.9	14.6	14.9	12.3	13.1	12.6	13.4	13.7
	14.7	15.5	15.0	15.8	16.0	12.3	13.1	12.6	13.3	13.6
4H	8.3	9.3	8.6	9.5	9.7	9.2	10.1	9.5	10.3	10.6
	11.0	11.8	11.3	12.0	12.3	11.7	12.5	12.1	12.8	13.1
	12.4	13.1	12.7	13.4	13.7	13.3	14.0	13.6	14.3	14.6
	14.1	14.7	14.4	15.1	15.4	13.5	14.2	13.9	14.5	14.9
	15.1	15.7	15.5	16.1	16.5	13.5	14.1	13.9	14.5	14.8
	16.4	16.9	16.8	17.3	17.7	13.4	14.0	13.9	14.4	14.8
8H	13.1	13.7	13.5	14.0	14.4	13.8	14.4	14.2	14.7	15.1
	15.0	15.5	15.5	15.9	16.3	14.1	14.6	14.6	15.0	15.4
	16.3	16.7	16.7	17.1	17.6	14.1	14.5	14.5	14.9	15.4
	17.7	18.1	18.2	18.6	19.0	14.0	14.4	14.5	14.9	15.3
12H	13.1	13.6	13.5	14.0	14.4	13.9	14.5	14.3	14.8	15.2
	15.1	15.5	15.5	15.9	16.4	14.3	14.7	14.7	15.1	15.6
	16.3	16.7	16.8	17.1	17.6	14.2	14.6	14.7	15.0	15.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.5 / - 0.3				
1.5H	+ 0.3 / - 0.3					+ 1.3 / - 0.5				
2.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.5				

CIE Pub.117, 288.9 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:
Test Date: 2026-08-10

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: 7.500m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.35V I:0.0392A P:3.8954W PF:0.4511 Freq:50.00Hz Lamp Flux:288.947x1 lm		
NAME: 6854-4W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

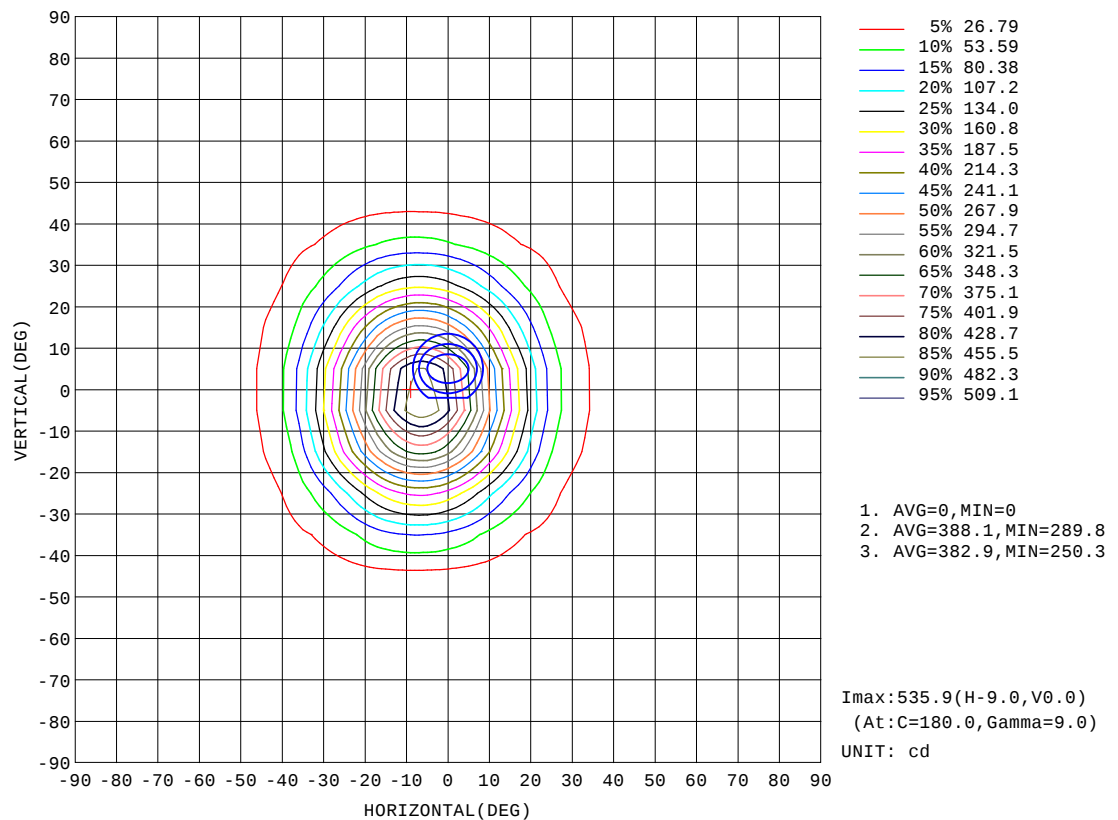
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	80	72	68	80	72	68	79	72	68	63
0.80	88	81	76	87	80	76	86	80	75	71
1.00	93	86	81	92	86	81	90	86	81	76
1.25	98	91	87	97	90	86	94	89	85	80
1.50	101	95	90	100	94	90	97	92	89	84
2.00	105	99	95	103	98	94	100	96	93	87
2.50	107	102	98	105	101	97	102	98	95	89
3.00	109	105	101	107	103	100	103	100	98	91
4.00	112	108	105	109	106	104	106	103	101	93
5.00	113	110	108	111	108	106	107	105	103	95
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:2026-08-10

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:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.35V I:0.0392A P:3.8954W PF:0.4511 Freq:50.00Hz Lamp Flux:288.947x1 lm		
NAME: 6854-4W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



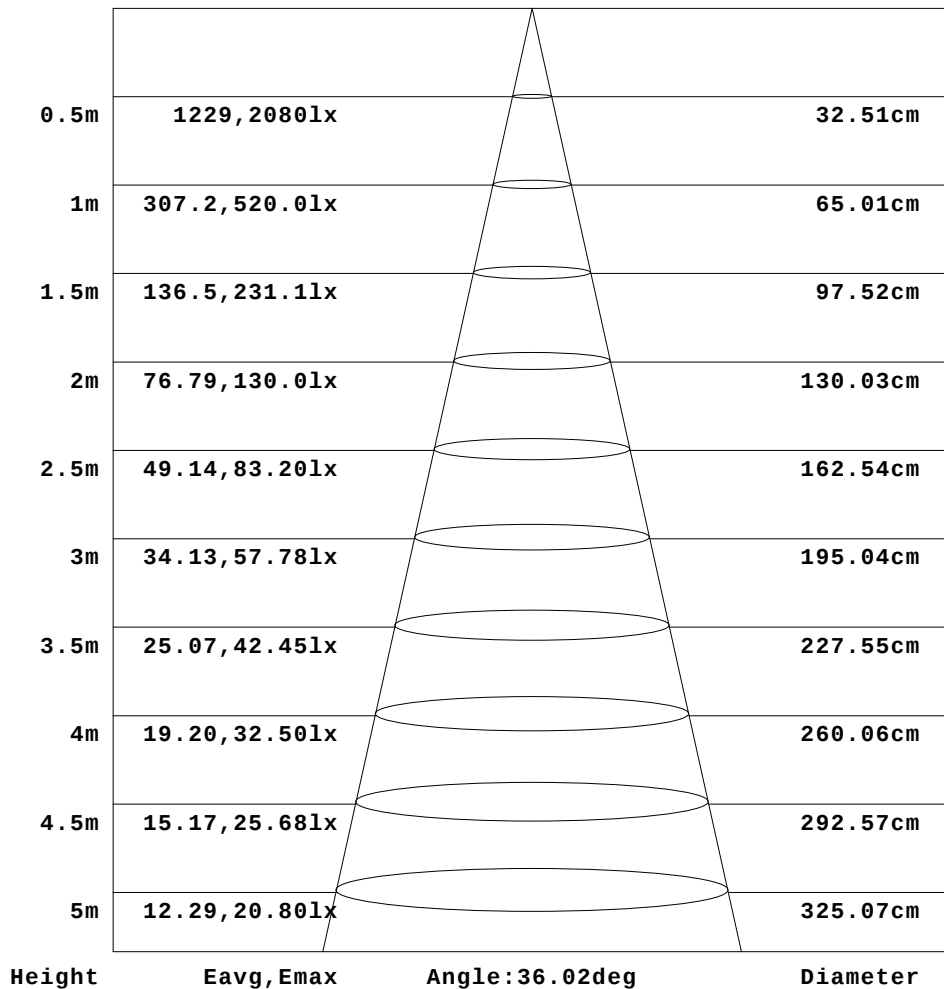
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-10

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:7.500m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.35V I:0.0392A P:3.8954W PF:0.4511 Freq:50.00Hz Lamp Flux:288.947x1 lm		
NAME: 6854-4W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

Flux out:108.0 lm



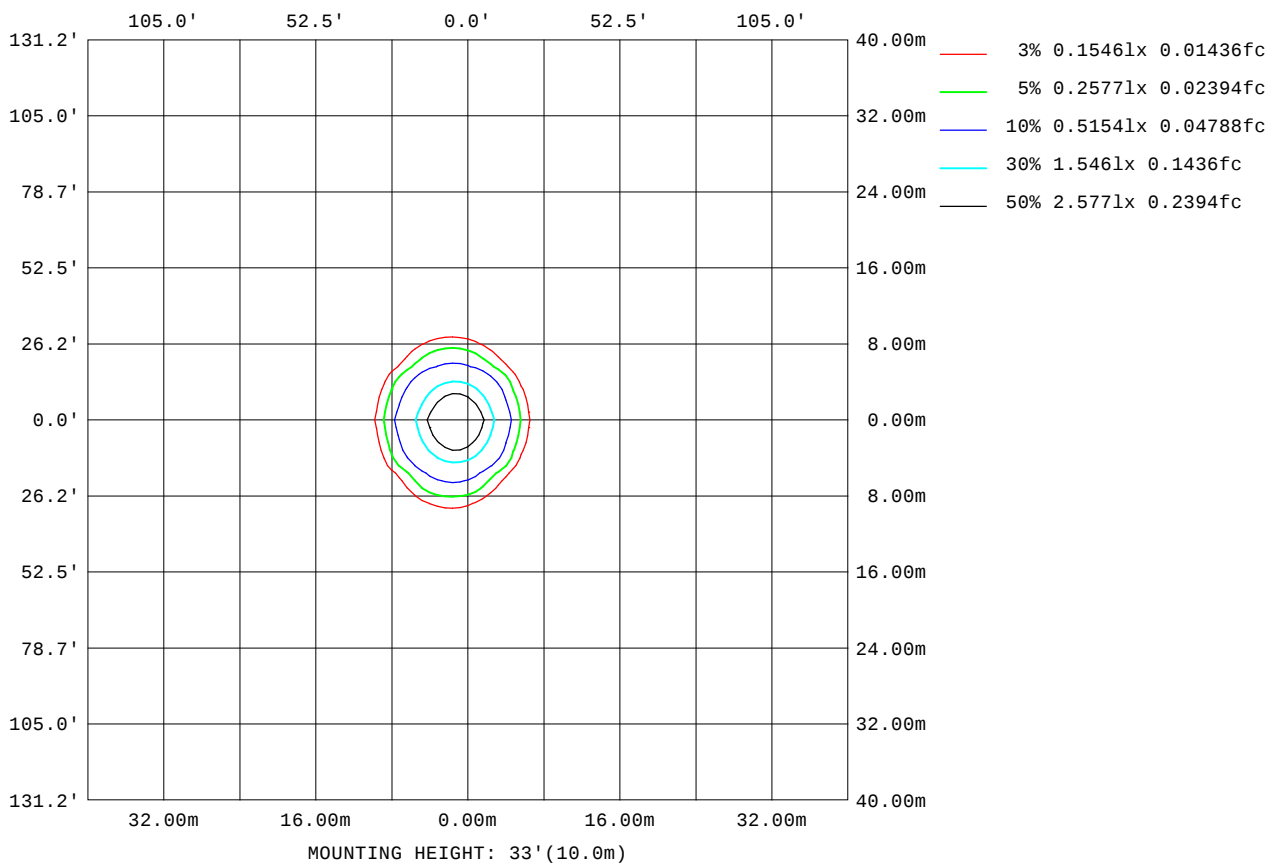
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-10

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: 7.500m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.35V I:0.0392A P:3.8954W PF:0.4511 Freq:50.00Hz Lamp Flux:288.947x1 lm		
NAME: 6854-4W-3000K	TYPE:室内	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: 2026-08-10

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: 7.500m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.35V I:0.0392A P:3.8954W PF:0.4511 Freq:50.00Hz Lamp Flux:288.947x1 lm		
NAME: 6854-4W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 62*41*84mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

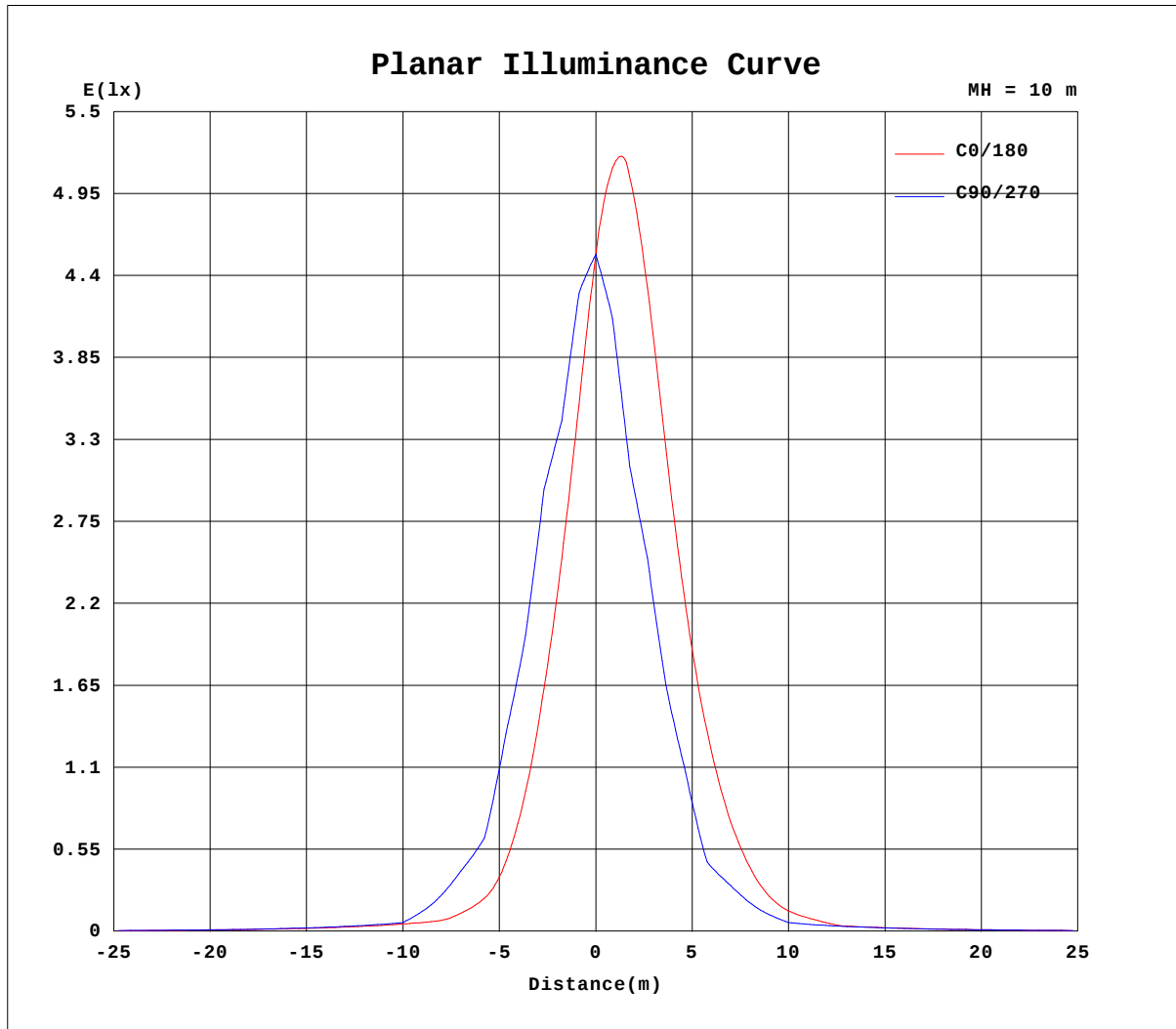
AvgL	cd/m2
L_0~180(65)av	274
L_0~180(75)av	347
L_0~180(85)av	958
L_90~270(65)av	291
L_90~270(75)av	406
L_90~270(85)av	0
L_45(65)av	279
L_45(75)av	368
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-10

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:7.500m [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: 2026-08-10

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: 7.500m [K=1.0000]
Remarks:

