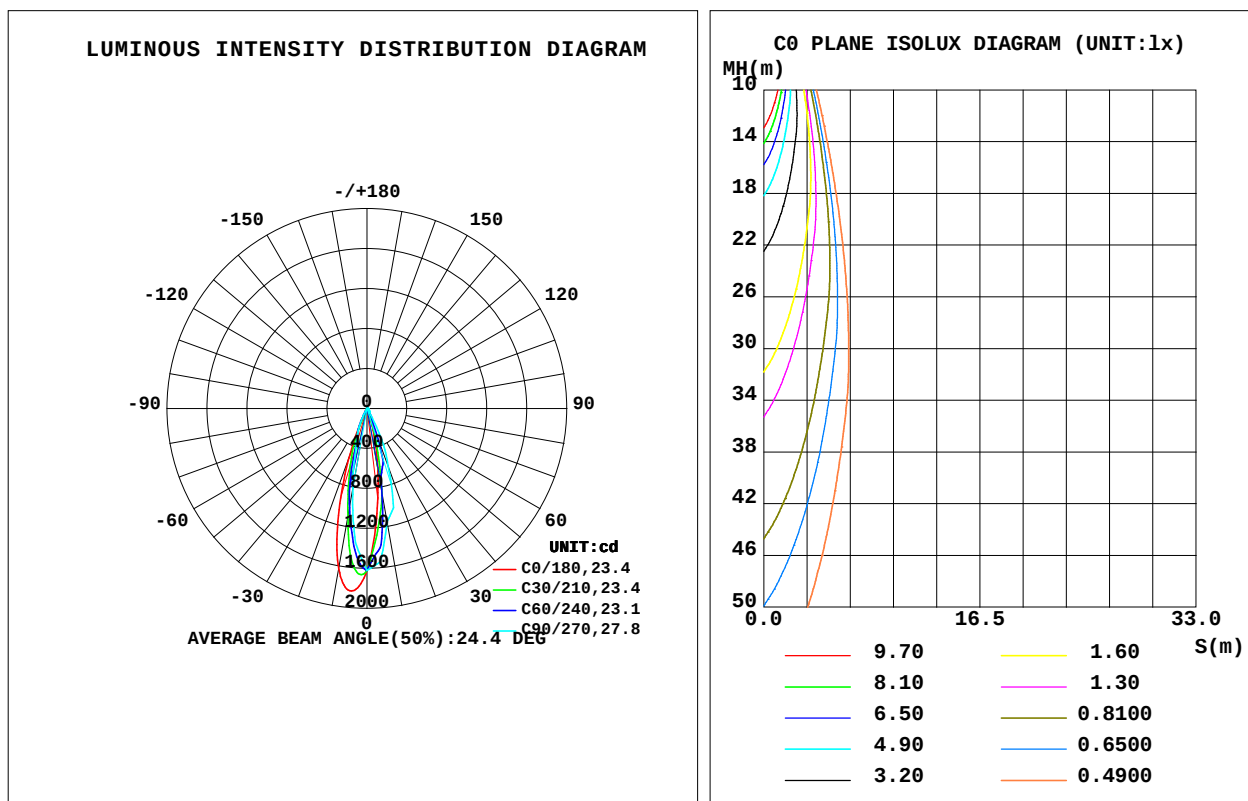


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.25V I:0.0737A P:7.1811W PF:0.4423 Freq:50.00Hz Lamp Flux:384.385x1 lm		
NAME: 6458-7W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 118*53*98mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 53.53 lm/W			
MODEL		I _{max} (cd)	1833	S/MH(C0/180)	0.53
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	0.35
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	384.38	h UP, DN(C0-180)	0.0,57.9
NOMINAL FLUX(lm)	384.385	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,42.1
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	h down(%)	100.0	CIBSE SHR MAX	1.00



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-15

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:7.300m [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	639.0	844.9	1152	1336	1631	1072	818.4	740.5	0- 10	122.3	122.3	31.8, 31.8
20	92.71	232.1	627.5	465.3	533.4	219.5	283.0	172.6	10- 20	171.8	294.1	76.5, 76.5
30	9.702	29.14	46.76	103.6	35.08	37.31	13.70	15.52	20- 30	68.67	362.7	94.4, 94.4
40	4.994	6.886	24.63	13.59	11.24	5.292	6.587	3.015	30- 40	10.58	373.3	97.1, 97.1
50	3.381	4.020	9.949	7.814	7.106	2.651	2.479	1.832	40- 50	5.318	378.6	98.5, 98.5
60	1.487	1.741	2.729	2.962	2.373	1.460	1.378	1.108	50- 60	2.888	381.5	99.3, 99.3
70	1.223	1.212	1.844	1.687	1.652	1.176	1.154	1.004	60- 70	1.468	383.0	99.6, 99.6
80	1.133	0.7970	0	0.9665	1.183	0.8104	0	0.7516	70- 80	1.113	384.1	99.9, 99.9
90	0.9832	0	0	0	0.9963	0	0	0	80- 90	0.2806	384.4	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): 376.3 lm

%lum = 97.9%

%lamp = 97.9%

Conical surface Flux(120deg): 381.52 lm

%lum = 99.3%

%lamp = 99.3%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-15

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:7.300m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.25V I:0.0737A P:7.1811W PF:0.4423 Freq:50.00Hz Lamp Flux:384.385x1 lm		
NAME: 6458-7W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 118*53*98mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	125	0
80	65	0
75	46	56
70	36	54
65	31	56
60	30	55
55	37	115
50	53	155
45	64	200

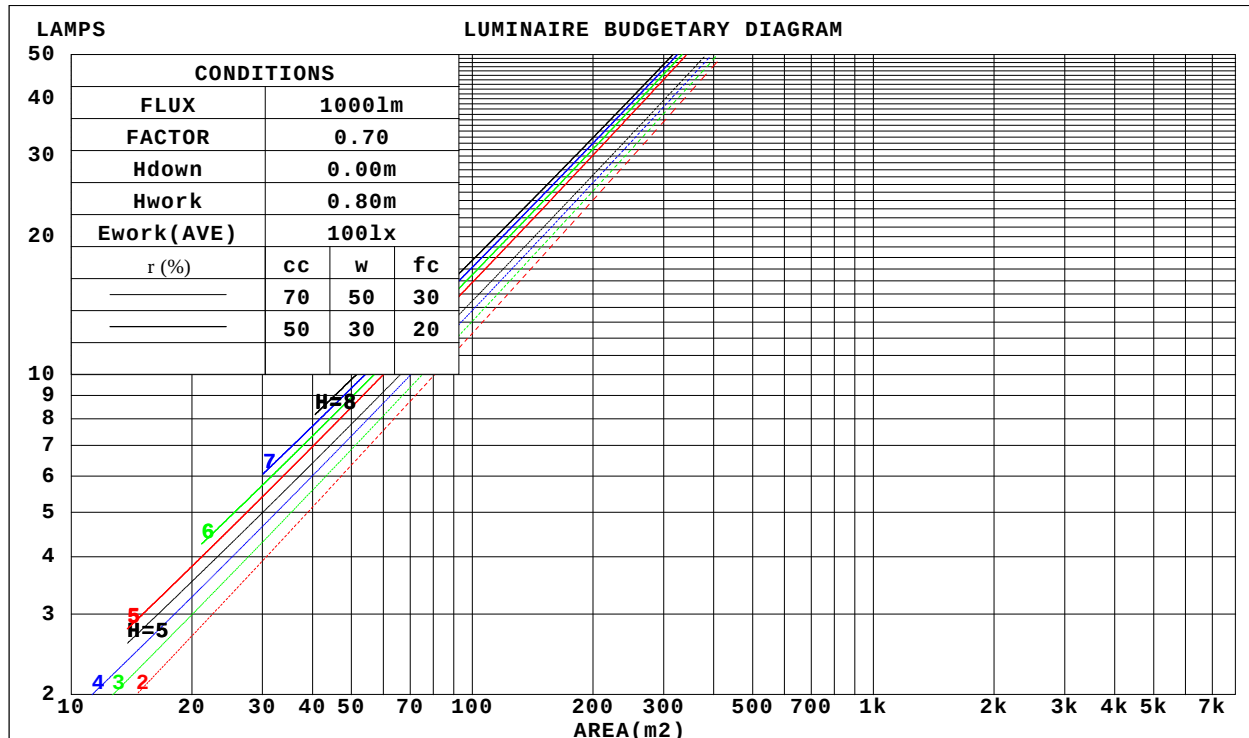
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-15

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: 7.300m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.25V I:0.0737A P:7.1811W PF:0.4423 Freq:50.00Hz Lamp Flux:384.385x1 lm		
NAME: 6458-7W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 118*53*98mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

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	1.13	1.11	1.09	1.10	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.07	1.04	1.01	1.05	1.03	1.00	1.02	.99	.98	.99	.97	.96	.97	.95	.94	.92
3.0	1.02	.98	.95	1.01	.97	.95	.98	.96	.93	.96	.94	.92	.94	.92	.90	.89
4.0	.98	.94	.91	.97	.93	.90	.95	.92	.89	.93	.90	.88	.91	.89	.87	.86
5.0	.94	.90	.87	.93	.89	.86	.92	.88	.86	.90	.87	.85	.89	.86	.84	.83
6.0	.91	.86	.83	.90	.86	.83	.89	.85	.82	.87	.84	.82	.86	.83	.81	.80
7.0	.88	.83	.80	.87	.83	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.78
8.0	.85	.80	.77	.84	.80	.77	.83	.80	.77	.82	.79	.77	.82	.79	.76	.75
9.0	.82	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.74	.79	.76	.74	.73
10.0	.80	.75	.73	.79	.75	.73	.79	.75	.72	.78	.75	.72	.77	.74	.72	.71



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-15

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: 7.300m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.25V I:0.0737A P:7.1811W PF:0.4423 Freq:50.00Hz Lamp Flux:384.385x1 lm		
NAME: 6458-7W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 118*53*98mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

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	.143	.081	.026	.137	.078	.025	.124	.071	.023	.113	.065	.021	.102	.059	.019				
2.0	.133	.073	.022	.127	.070	.022	.117	.065	.020	.108	.060	.019	.099	.056	.018				
3.0	.124	.066	.020	.119	.064	.019	.111	.060	.018	.103	.056	.017	.095	.053	.016				
4.0	.116	.060	.018	.112	.059	.017	.105	.056	.017	.098	.053	.016	.092	.050	.015				
5.0	.109	.056	.016	.106	.054	.016	.100	.052	.015	.094	.050	.015	.089	.047	.014				
6.0	.103	.052	.015	.101	.051	.015	.095	.049	.014	.090	.047	.014	.086	.045	.013				
7.0	.098	.049	.014	.096	.048	.014	.091	.046	.013	.087	.045	.013	.083	.043	.013				
8.0	.094	.046	.013	.092	.045	.013	.087	.044	.012	.084	.042	.012	.080	.041	.012				
9.0	.090	.043	.012	.088	.043	.012	.084	.042	.012	.081	.040	.012	.077	.039	.011				
10.0	.086	.041	.011	.084	.041	.011	.081	.040	.011	.078	.039	.011	.075	.038	.011				

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	.169	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.117	.129	.114	.101	.089	.079	.071	.051	.046	.041	.016	.015	.014	
3.0	.136	.113	.095	.117	.098	.082	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.124	.098	.078	.106	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.114	.086	.065	.098	.074	.057	.067	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.105	.076	.055	.090	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.097	.068	.047	.084	.059	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.091	.061	.040	.078	.053	.035	.054	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.085	.055	.035	.074	.048	.031	.051	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.081	.051	.031	.069	.044	.027	.048	.031	.019	.028	.018	.011	.009	.006	.004	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-15

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: 7.300m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.25V I:0.0737A P:7.1811W PF:0.4423 Freq:50.00Hz Lamp Flux:384.385x1 lm											
NAME: 6458-7W-2700K					TYPE:室内			WEIGHT:			
SPEC.:					DIM.: 118*53*98mm			SERIAL No.:01			
MFR.: NORDECOR					SUR.:			Shielding Angle:24°			
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		-5.4	-4.7	-5.2	-4.5	-4.4	-0.1	0.6	0.2	0.8	0.9
	3H	-4.5	-3.9	-4.3	-3.7	-3.5	0.4	1.0	0.6	1.2	1.4
	4H	-3.9	-3.3	-3.6	-3.0	-2.8	0.7	1.3	0.9	1.5	1.7
	6H	-2.9	-2.3	-2.6	-2.1	-1.8	0.7	1.2	1.0	1.5	1.7
	8H	-2.2	-1.7	-1.9	-1.4	-1.2	0.6	1.2	0.9	1.4	1.7
	12H	-1.3	-0.8	-1.0	-0.5	-0.3	0.6	1.1	0.9	1.4	1.6
4H	2H	-4.9	-4.3	-4.6	-4.1	-3.9	-0.1	0.5	0.1	0.7	0.9
	3H	-3.9	-3.4	-3.6	-3.1	-2.8	0.4	0.9	0.7	1.2	1.5
	4H	-3.1	-2.6	-2.8	-2.3	-2.0	0.8	1.3	1.2	1.6	1.9
	6H	-1.9	-1.5	-1.6	-1.2	-0.8	0.9	1.3	1.3	1.7	2.0
	8H	-1.2	-0.8	-0.8	-0.4	-0.1	0.8	1.2	1.2	1.6	2.0
	12H	-0.2	0.2	0.2	0.6	0.9	0.8	1.2	1.2	1.5	1.9
8H	4H	-2.6	-2.2	-2.2	-1.9	-1.5	0.9	1.3	1.3	1.7	2.0
	6H	-1.2	-0.9	-0.8	-0.5	-0.1	1.0	1.3	1.4	1.7	2.1
	8H	-0.3	0.0	0.2	0.4	0.9	0.9	1.2	1.4	1.6	2.1
	12H	0.9	1.1	1.4	1.6	2.1	0.9	1.1	1.3	1.6	2.0
12H	4H	-2.6	-2.3	-2.2	-1.9	-1.5	0.9	1.3	1.3	1.6	2.0
	6H	-1.2	-0.9	-0.8	-0.5	-0.1	1.0	1.3	1.4	1.7	2.1
	8H	-0.3	-0.0	0.2	0.4	0.9	0.9	1.2	1.4	1.6	2.1
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.5				+ 2.9 / - 1.3					
1.5H		+ 0.3 / - 0.3				+ 4.2 / - 2.4					
2.0H		+ 0.9 / - 0.9				+ 3.4 / - 2.7					

CIE Pub.117, 384.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.3)
Area: 0.1 m2

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-15

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: 7.300m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.25V I:0.0737A P:7.1811W PF:0.4423 Freq:50.00Hz Lamp Flux:384.385x1 lm		
NAME: 6458-7W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 118*53*98mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

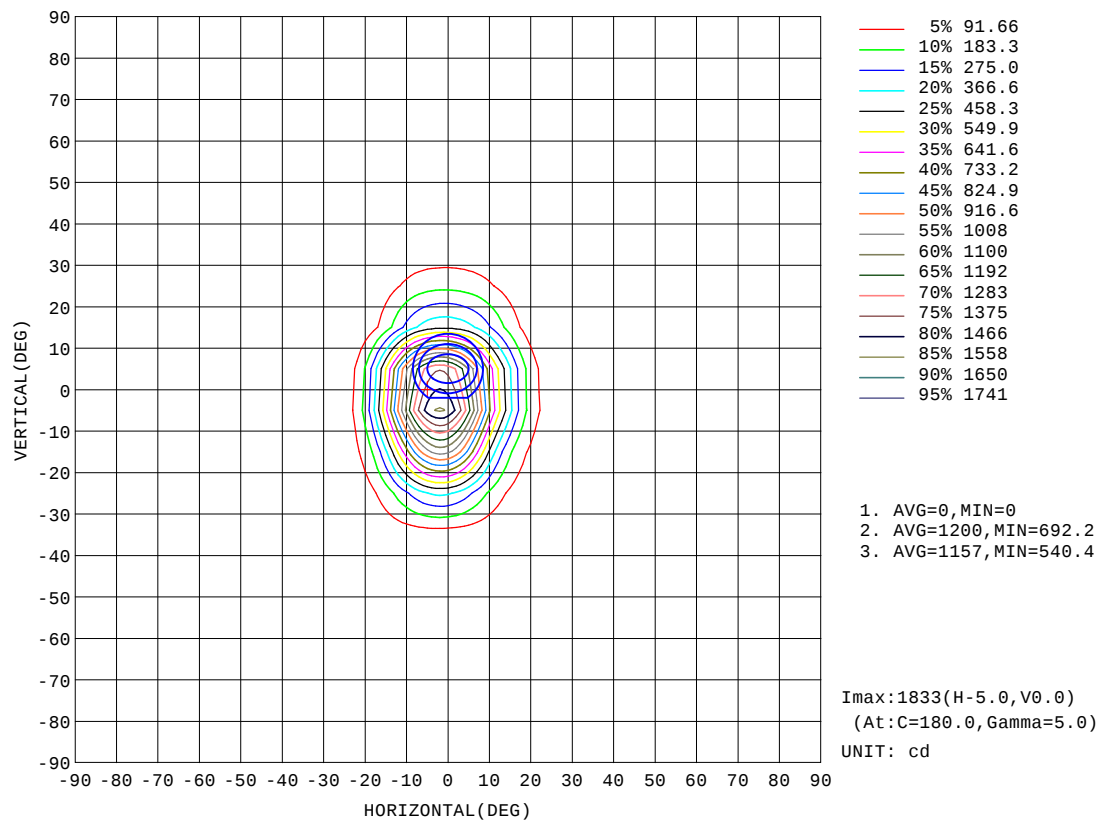
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	84	80	89	84	80	89	83	80	77
0.80	97	91	88	96	91	88	95	91	87	84
1.00	101	96	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	102	98	95	91
1.50	107	103	99	106	102	99	104	100	98	94
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	104	106	104	102	96
3.00	112	109	107	111	108	105	107	105	103	97
4.00	114	112	110	112	110	108	109	107	105	99
5.00	115	113	112	113	112	110	109	108	107	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:2026-08-15

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:7.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.25V I:0.0737A P:7.1811W PF:0.4423 Freq:50.00Hz Lamp Flux:384.385x1 lm		
NAME: 6458-7W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 118*53*98mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



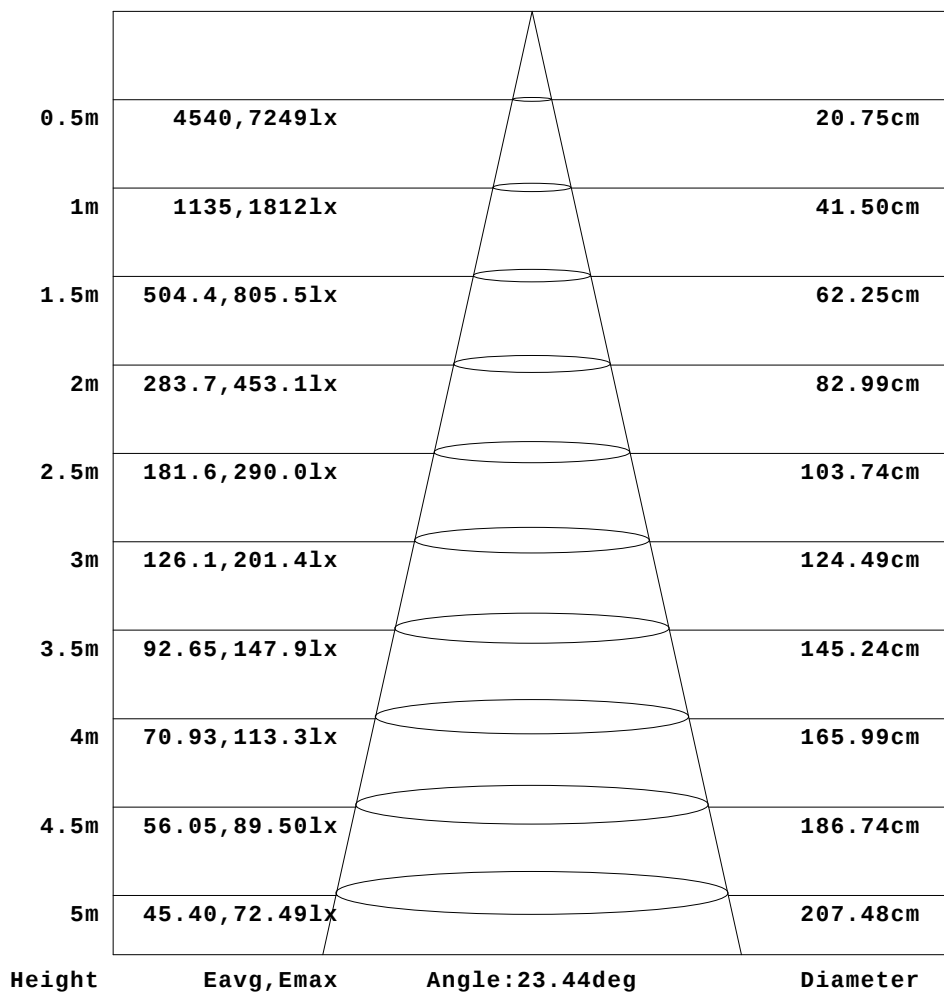
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-15

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:7.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.25V I:0.0737A P:7.1811W PF:0.4423 Freq:50.00Hz Lamp Flux:384.385x1 lm		
NAME: 6458-7W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 118*53*98mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Flux out:161.1 lm



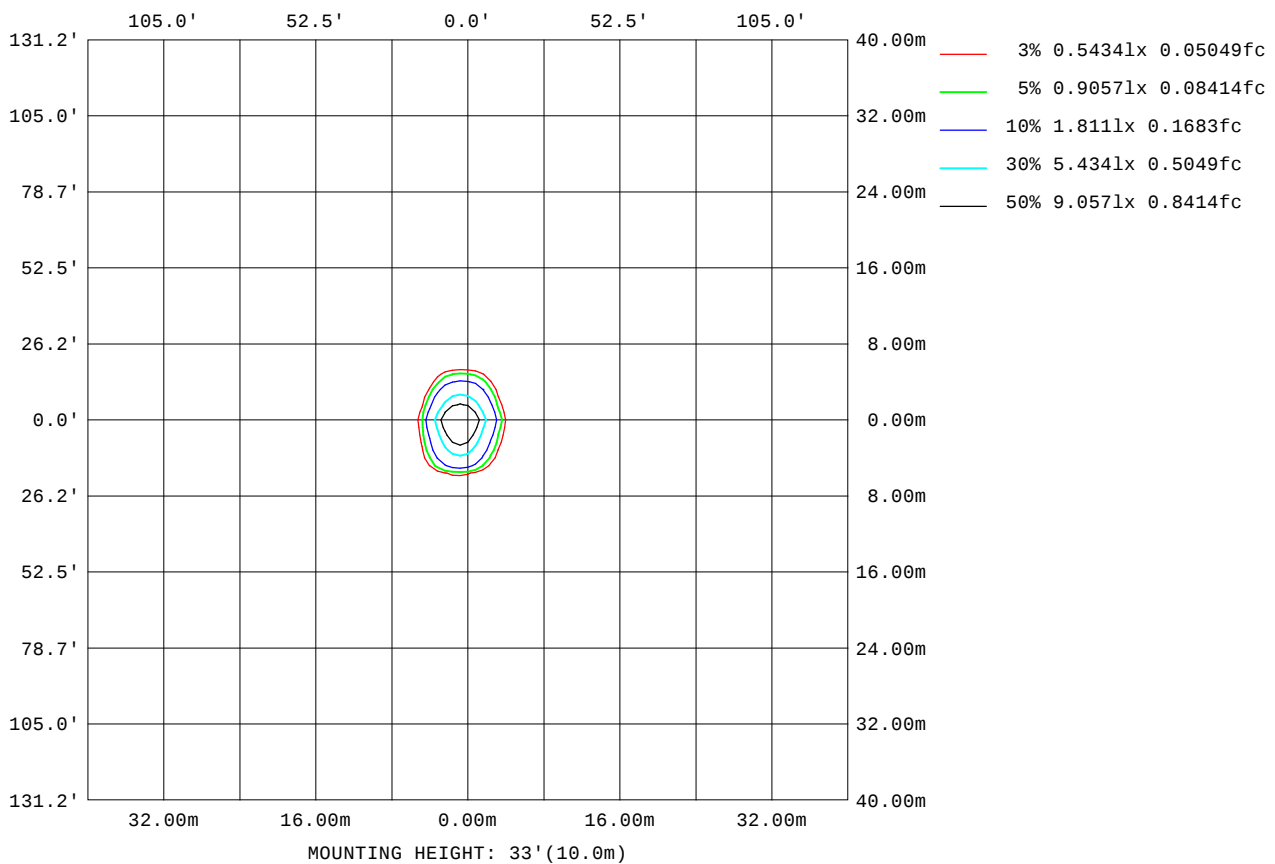
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-15

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: 7.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.25V I:0.0737A P:7.1811W PF:0.4423 Freq:50.00Hz Lamp Flux:384.385x1 lm		
NAME: 6458-7W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 118*53*98mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-15

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: 7.300m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.25V I:0.0737A P:7.1811W PF:0.4423 Freq:50.00Hz Lamp Flux:384.385x1 lm		
NAME: 6458-7W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 118*53*98mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

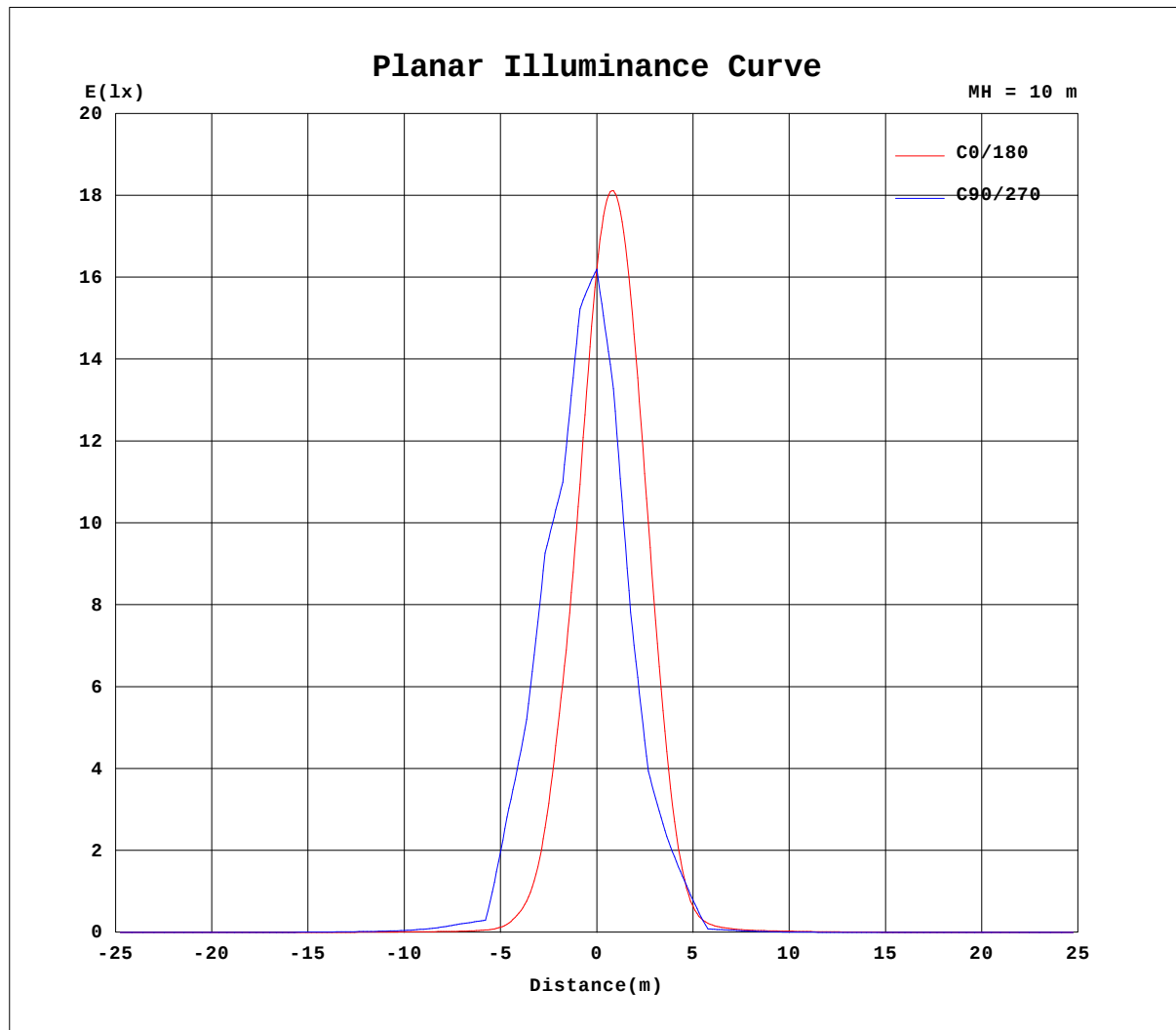
AvgL	cd/m2
L_0~180(65)av	38
L_0~180(75)av	49
L_0~180(85)av	123
L_90~270(65)av	43
L_90~270(75)av	48
L_90~270(85)av	0
L_45(65)av	34
L_45(75)av	44
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-15

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:7.300m [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: 2026-08-15

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: 7.300m [K=1.0000]
Remarks:

