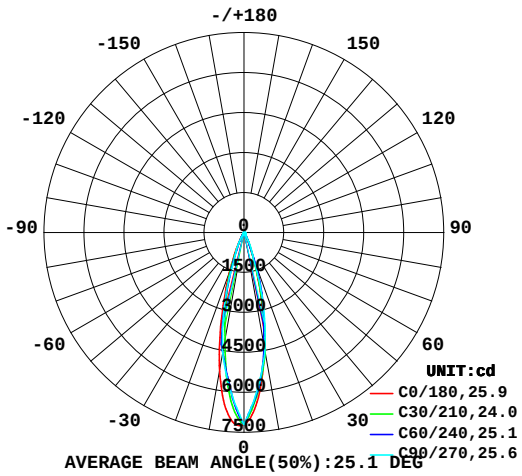
LUMINAIRE PHOTOMETRIC TEST REPORT

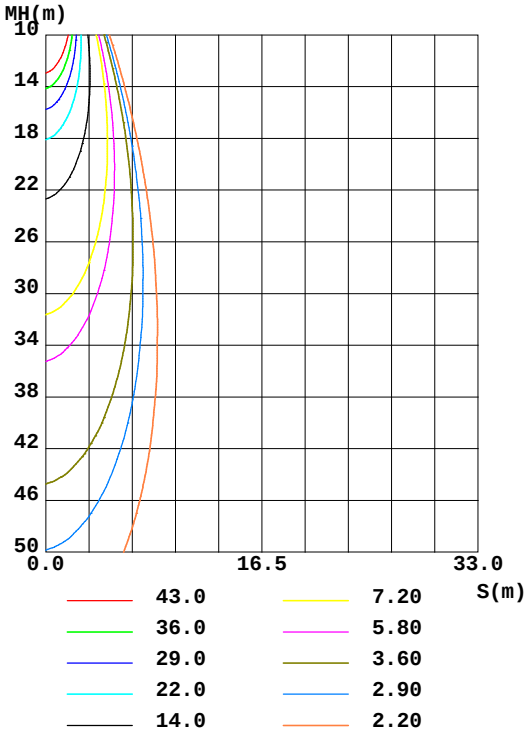
Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.54 lm/W			
MODEL		Imax(cd)	7246	S/MH(C0/180)	0.47
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	1638.5	h UP,DN(C0-180)	0.0,49.7
NOMINAL FLUX(lm)	1638.48	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,50.3
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

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:2026-08-31

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:

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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	4376	4383	4544	4329	5289	4372	4611	4419	0- 10	528.0	528.0	32.2,32.2
20	1095	1423	1040	1299	1630	1270	1080	1450	10- 20	739.2	1267	77.3,77.3
30	116.6	145.6	115.8	200.5	248.7	185.6	112.3	142.3	20- 30	254.5	1522	92.9,92.9
40	39.40	33.24	41.00	39.67	56.00	40.95	38.34	35.22	30- 40	49.16	1571	95.9,95.9
50	25.84	19.85	29.25	21.88	31.27	21.22	24.38	19.83	40- 50	23.47	1594	97.3,97.3
60	18.11	14.80	21.58	17.19	21.84	15.77	17.95	14.56	50- 60	18.40	1613	98.4,98.4
70	11.71	10.46	12.94	12.14	13.80	10.99	11.89	10.48	60- 70	13.95	1627	99.3,99.3
80	7.413	5.523	5.655	5.935	7.940	6.979	7.169	6.860	70- 80	9.035	1636	99.8,99.8
90	4.475	0	0	0	3.916	0	0	0	80- 90	2.847	1638	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): 1583.6 lm

%lum = 96.6%
%lamp = 96.6%

Conical surface Flux(120deg): 1612.6 lm

%lum = 98.4%
%lamp = 98.4%

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-31

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:

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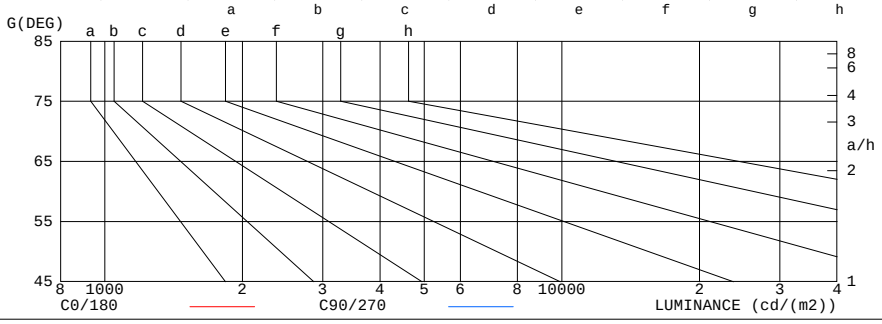
LUMINANCE LIMITATION CURVES

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	569	0
80	427	326
75	360	360
70	342	378
65	345	411
60	362	432
55	383	445
50	402	455
45	417	499

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-31

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:

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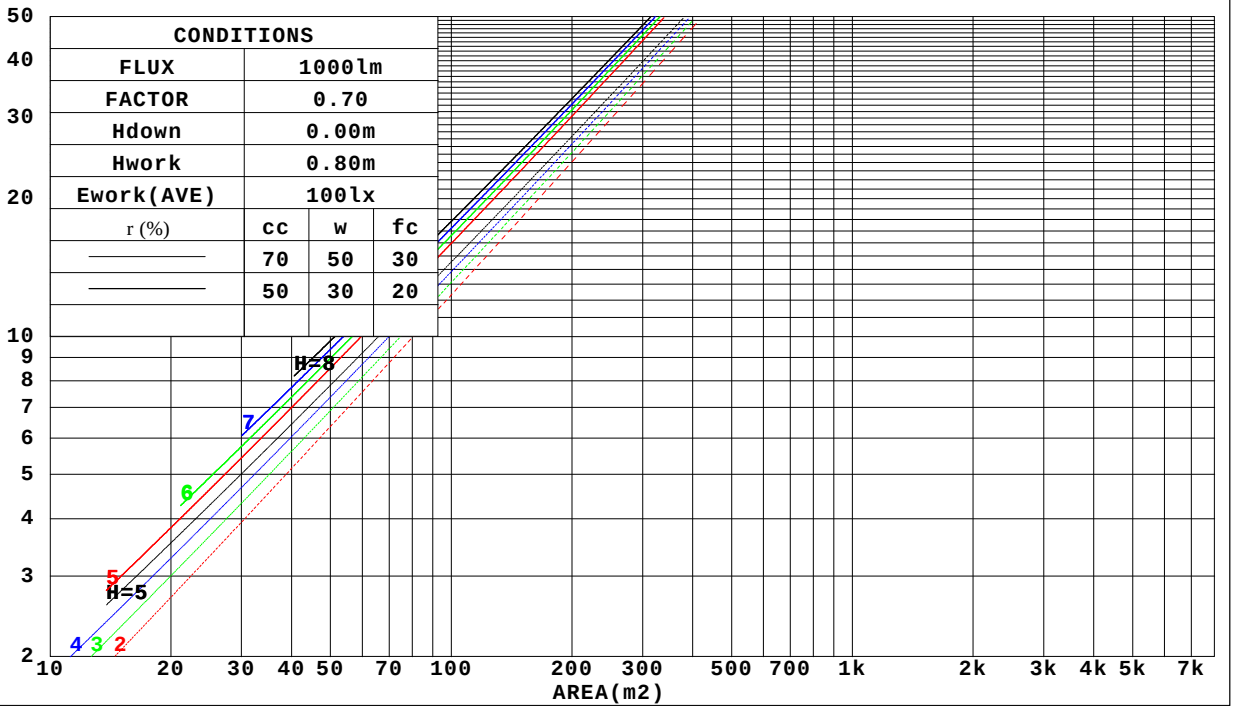
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	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	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.03	1.01	1.00	.99	.98	.98	.96
2.0	1.07	1.03	1.01	1.05	1.02	.00	1.02	.00	.97	.99	.97	.95	.96	.95	.93	.92
3.0	1.02	.98	.95	1.00	.97	.94	.98	.95	.93	.96	.93	.91	.93	.92	.90	.88
4.0	.97	.93	.90	.96	.93	.90	.94	.91	.89	.93	.90	.88	.91	.88	.87	.85
5.0	.94	.89	.86	.93	.89	.86	.91	.88	.85	.90	.87	.84	.88	.86	.84	.82
6.0	.90	.86	.83	.90	.85	.82	.88	.85	.82	.87	.84	.81	.86	.83	.81	.80
7.0	.87	.83	.80	.87	.82	.79	.85	.82	.79	.84	.81	.79	.83	.81	.78	.77
8.0	.84	.80	.77	.84	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.75
9.0	.82	.77	.75	.81	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.74	.73
10.0	.79	.75	.72	.79	.75	.72	.78	.75	.72	.78	.74	.72	.77	.74	.72	.71

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-31

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:

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WEC AND CCEC

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.147	.084	.027	.141	.080	.025	.128	.073	.023	.117	.067	.022	.106	.061	.020	
2.0	.136	.075	.023	.131	.072	.022	.120	.067	.021	.111	.062	.019	.102	.058	.018	
3.0	.127	.067	.020	.122	.065	.020	.113	.061	.019	.105	.058	.018	.098	.054	.017	
4.0	.118	.061	.018	.114	.060	.018	.107	.057	.017	.100	.054	.016	.094	.051	.016	
5.0	.111	.057	.016	.108	.055	.016	.102	.053	.016	.096	.051	.015	.090	.048	.015	
6.0	.105	.053	.015	.102	.052	.015	.097	.050	.014	.092	.048	.014	.087	.046	.014	
7.0	.099	.049	.014	.097	.048	.014	.092	.047	.013	.088	.045	.013	.084	.043	.013	
8.0	.094	.046	.013	.092	.045	.013	.088	.044	.013	.084	.043	.012	.081	.041	.012	
9.0	.090	.044	.012	.088	.043	.012	.085	.042	.012	.081	.041	.012	.078	.040	.011	
10.0	.086	.041	.011	.085	.041	.011	.081	.040	.011	.078	.039	.011	.075	.038	.011	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	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	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.151	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.095	.117	.098	.082	.081	.068	.058	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.078	.107	.085	.068	.074	.059	.048	.043	.035	.028	.014	.011	.009	
5.0	.114	.086	.065	.098	.074	.056	.068	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.105	.076	.055	.091	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.098	.068	.047	.084	.059	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.091	.061	.040	.079	.053	.035	.054	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.086	.055	.035	.074	.048	.031	.051	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.081	.051	.031	.070	.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:2026-08-31

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:

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UGR(Unified Glare Rating) Table

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	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	-1.5	-0.8	-1.2	-0.6	-0.5	-0.3	0.4	-0.1	0.5	0.7
3H	-0.1	0.5	0.1	0.7	0.9	1.2	1.9	1.5	2.1	2.3
4H	0.6	1.2	0.8	1.4	1.6	1.9	2.5	2.1	2.7	2.9
6H	1.2	1.8	1.5	2.0	2.3	2.4	2.9	2.6	3.2	3.4
8H	1.6	2.1	1.8	2.4	2.6	2.5	3.0	2.8	3.3	3.5
12H	1.9	2.4	2.2	2.7	3.0	2.4	3.0	2.7	3.2	3.5
4H 2H	-0.9	-0.3	-0.7	-0.1	0.1	0.0	0.7	0.3	0.9	1.1
3H	0.5	1.1	0.8	1.3	1.6	1.8	2.4	2.1	2.6	2.9
4H	1.3	1.8	1.6	2.1	2.4	2.6	3.1	2.9	3.4	3.7
6H	2.0	2.4	2.4	2.8	3.1	3.2	3.7	3.6	4.0	4.3
8H	2.3	2.8	2.7	3.1	3.5	3.4	3.8	3.7	4.1	4.5
12H	2.7	3.1	3.1	3.5	3.9	3.3	3.7	3.7	4.1	4.5
8H 4H	1.6	2.0	2.0	2.4	2.7	2.8	3.2	3.2	3.6	3.9
6H	2.5	2.9	2.9	3.2	3.7	3.6	3.9	4.0	4.3	4.7
8H	3.0	3.3	3.4	3.7	4.1	3.7	4.1	4.2	4.5	4.9
12H	3.5	3.7	3.9	4.2	4.7	3.7	4.0	4.2	4.4	4.9
12H 4H	1.7	2.0	2.1	2.4	2.8	2.8	3.2	3.2	3.5	3.9
6H	2.6	2.9	3.0	3.3	3.8	3.6	3.9	4.1	4.3	4.8
8H	3.1	3.4	3.6	3.8	4.3	3.8	4.1	4.3	4.5	5.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.4 / - 0.5					+ 0.5 / - 0.2				
2.0H	+ 0.7 / - 1.0					+ 0.3 / - 0.5				

CIE Pub.117, 1638 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.7)
Area: 0.1 m2

H(b) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(b) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Temperature:25.3DEG	Humidity:65.0%
Operators:	Test Distance:7.100m [K=1.0000]
Test Date:2026-08-31	Remarks:

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UTILIZATION FACTORS TABLE

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	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) x RCR = 5									
k = 0.60	89	83	79	89	83	79	88	82	79	76
0.80	96	91	87	95	90	87	94	90	87	83
1.00	100	95	91	99	94	91	98	94	91	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	100	97	93
2.00	109	105	102	107	104	101	105	102	99	94
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	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
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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:

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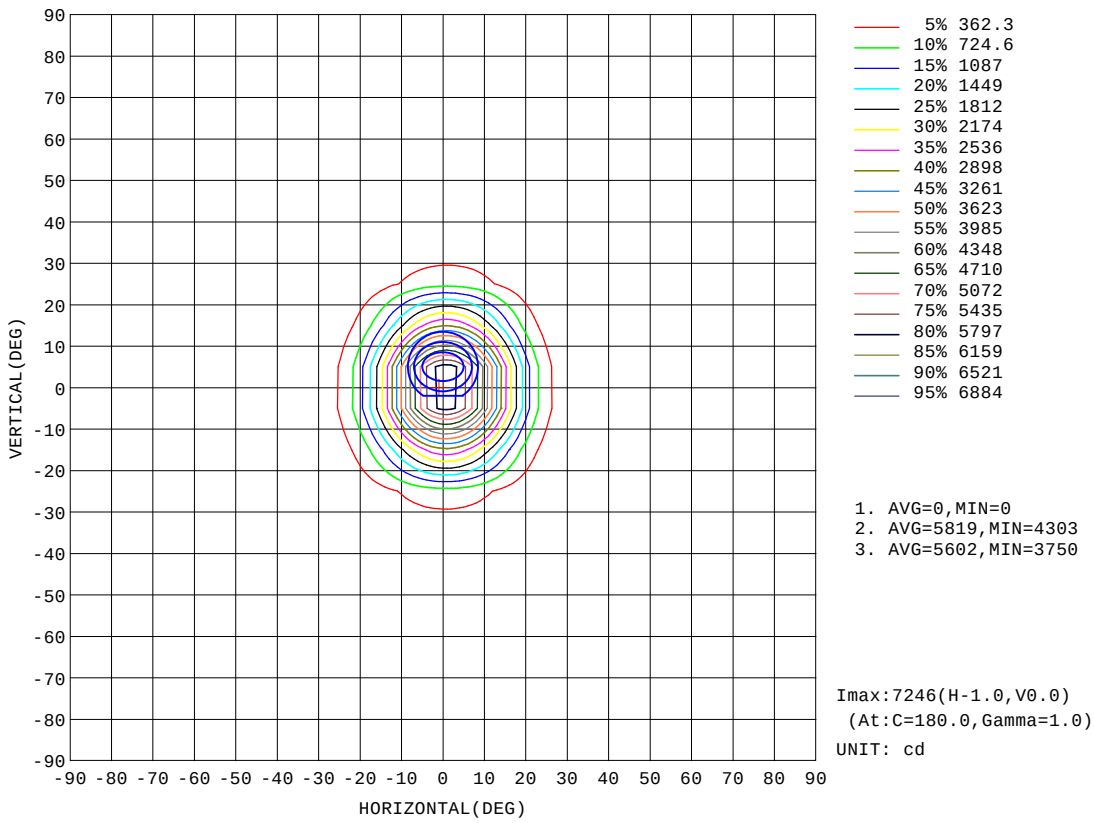
ISOCANDELA DIAGRAM

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

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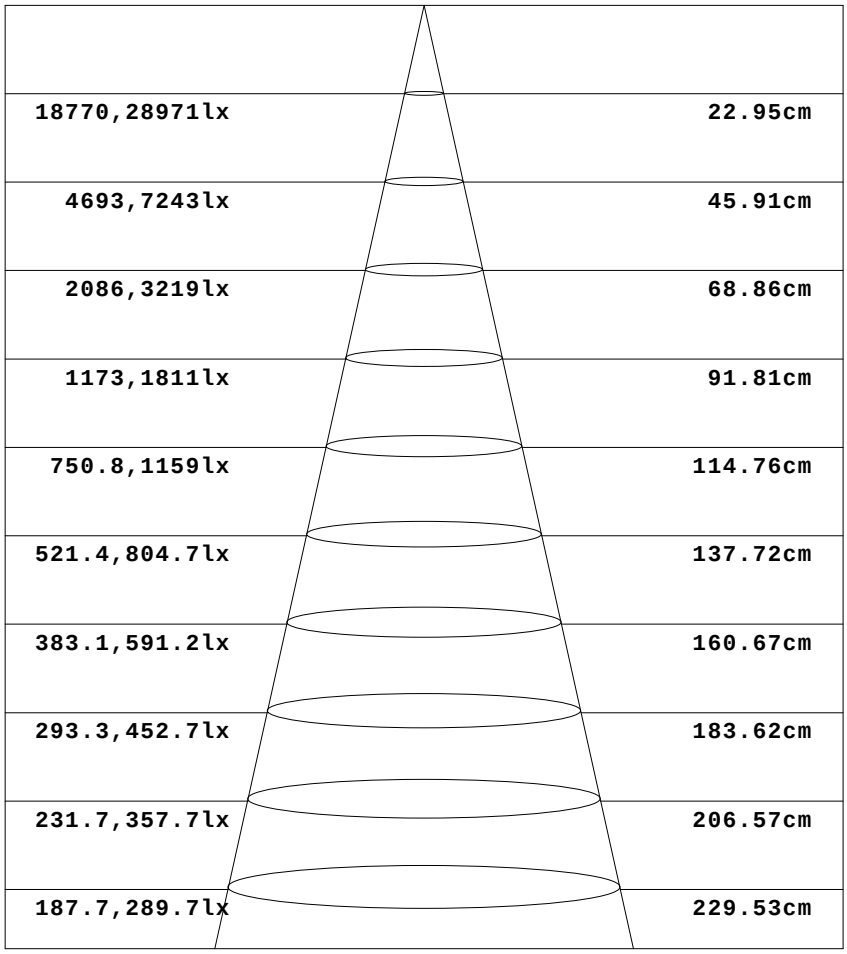
AAI Figure

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Flux out:785.8 lm



Height	Eavg,Emax	Angle:25.85deg	Diameter
0.5m	18770,28971lx		22.95cm
1m	4693,7243lx		45.91cm
1.5m	2086,3219lx		68.86cm
2m	1173,1811lx		91.81cm
2.5m	750.8,1159lx		114.76cm
3m	521.4,804.7lx		137.72cm
3.5m	383.1,591.2lx		160.67cm
4m	293.3,452.7lx		183.62cm
4.5m	231.7,357.7lx		206.57cm
5m	187.7,289.7lx		229.53cm

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:2026-08-31

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:

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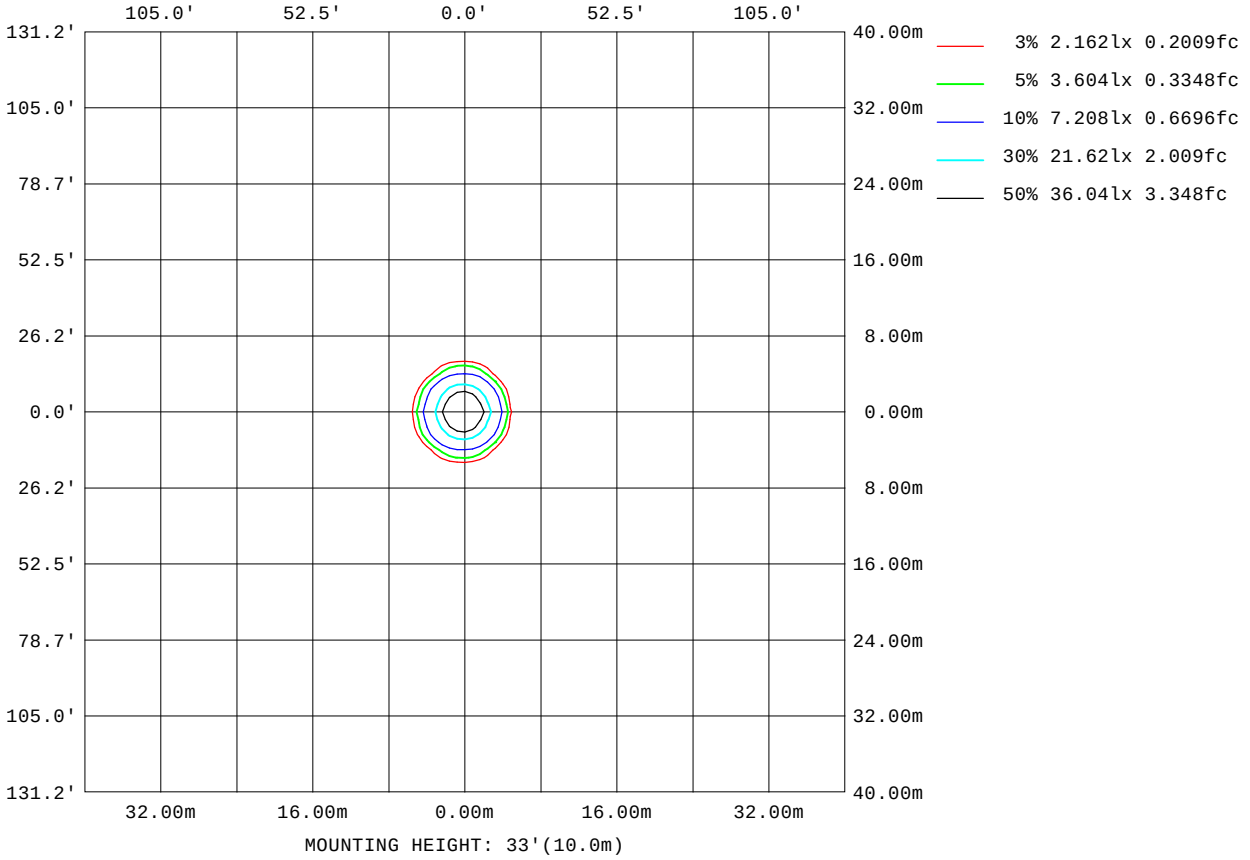
ISOLUX DIAGRAM

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	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:2026-08-31

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:

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LED Avg.L Report

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

AvgL	cd/m2
L_0~180(65)av	380
L_0~180(75)av	385
L_0~180(85)av	613
L_90~270(65)av	382
L_90~270(75)av	364
L_90~270(85)av	0
L_45(65)av	314
L_45(75)av	337
L_45(85)av	233

Standard: GB/T 29293-2012

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-31

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:

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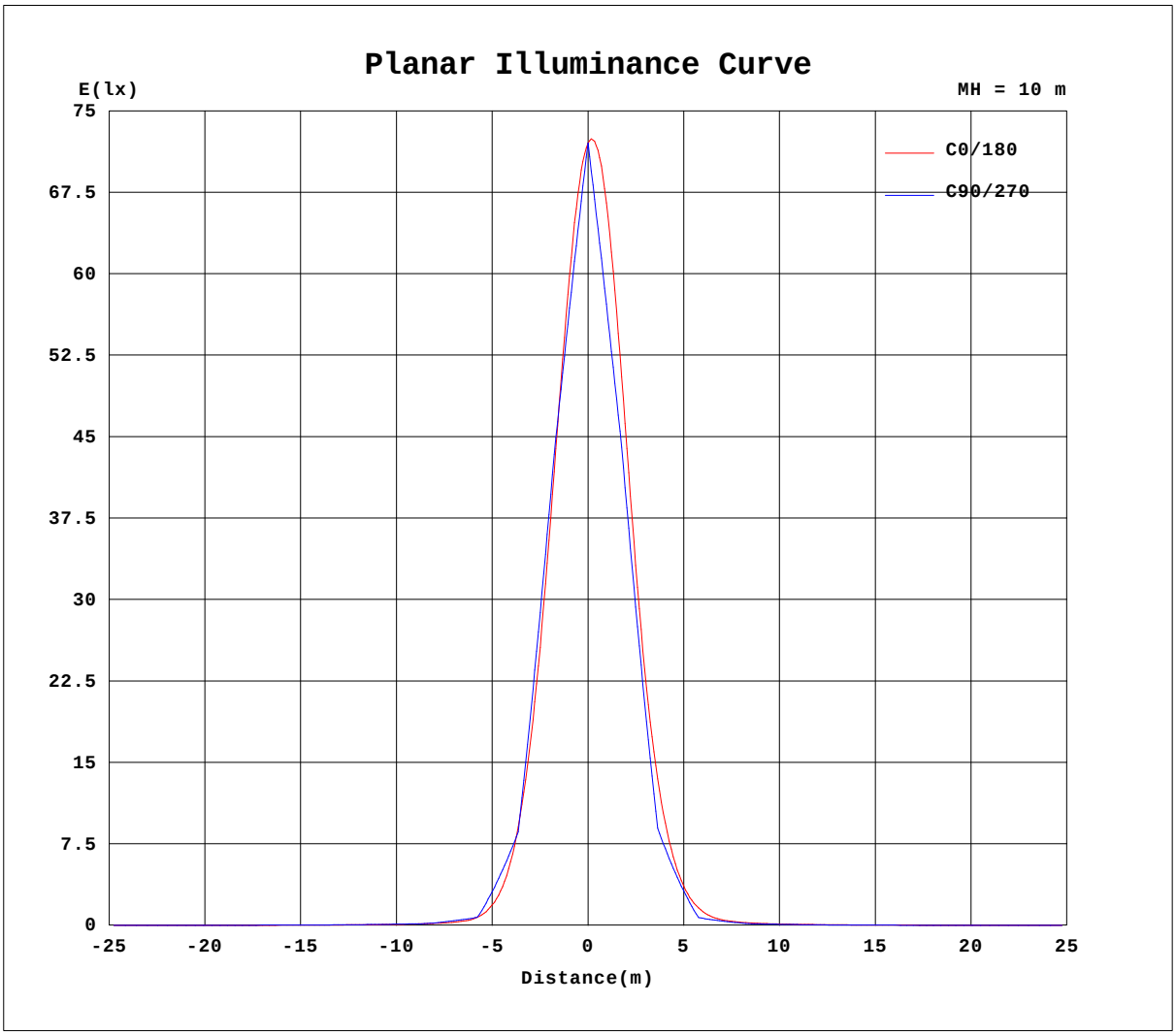
Planar Illuminance Curve



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-31

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:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Table--1 UNIT: cd

C(DEG) / g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208
5	6220	6163	6116	6079	6051	6031	6019	6014	6005	5994	5988	5982	5973	5968	5953	5939	5926	5908	5900
10	4376	4359	4370	4405	4460	4531	4599	4507	4432	4383	4345	4326	4329	4345	4368	4405	4453	4498	4544
15	2469	2522	2610	2731	2822	2698	2593	2505	2443	2505	2597	2678	2744	2796	2826	2841	2836	2822	2804
20	1095	1175	1290	1376	1258	1150	1087	1196	1311	1423	1457	1405	1334	1259	1182	1113	1061	1036	1040
25	375	434	518	475	405	407	486	580	547	486	384	392	450	502	542	567	581	584	581
30	117	143	164	133	125	160	180	154	116	146	181	213	215	206	187	161	137	120	116
35	55.0	61.5	60.6	53.4	60.1	64.0	55.1	55.5	65.4	73.1	69.4	52.9	54.8	59.2	65.4	71.8	76.1	78.3	79.1
40	39.4	41.7	38.9	38.1	38.6	34.8	35.4	37.2	35.3	33.2	35.5	38.2	40.5	41.1	41.9	42.1	41.5	40.9	41.0
45	29.5	31.3	28.1	28.9	26.2	25.8	25.8	22.6	24.5	26.8	26.5	25.6	26.3	28.9	31.2	33.0	34.2	35.0	35.3
50	25.8	26.2	24.7	23.6	22.0	20.9	19.6	19.9	19.9	19.9	21.2	22.6	24.1	25.5	26.6	27.5	28.2	28.8	29.3
55	22.0	22.2	21.4	19.2	18.5	16.8	16.9	16.1	16.8	18.0	18.6	19.4	20.6	21.9	23.0	24.0	24.7	25.3	25.5
60	18.1	17.9	17.3	16.1	14.0	13.8	13.0	14.0	14.2	14.8	16.1	17.3	18.1	18.8	19.5	20.1	20.7	21.2	21.6
65	14.6	14.2	13.1	11.8	11.2	10.5	10.8	11.0	12.2	12.9	13.4	14.0	14.8	15.4	16.0	16.5	16.9	17.1	17.4
70	11.7	11.6	10.4	9.07	8.22	7.98	8.87	9.39	9.81	10.5	11.1	11.4	11.7	12.0	12.2	12.4	12.6	12.8	12.9
75	9.31	8.52	7.05	6.23	6.00	6.62	7.02	7.66	7.82	8.00	8.15	8.34	8.53	8.71	8.90	9.02	9.15	9.25	9.32
80	7.41	5.92	4.49	4.53	4.80	5.15	5.24	5.38	5.52	5.52	5.49	5.48	5.47	5.48	5.50	5.54	5.57	5.58	5.65
85	4.96	3.17	3.22	3.37	3.42	3.32	3.16	2.50	2.00	1.60	1.25	0.95	0.71	0.50	0.32	0.19	0.08	0.02	0.00
90	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-31

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:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Table--2 UNIT: cd

C(DEG) / g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208
5	5880	5871	5861	5858	5864	5870	5891	5920	5959	6015	6080	6152	6239	6340	6454	6580	6716	6861	6719
10	4578	4602	4612	4605	4581	4541	4479	4407	4329	4247	4169	4091	4209	4364	4550	4766	5013	5289	5014
15	2782	2767	2763	2769	2786	2818	2858	2910	2968	2978	2804	2632	2476	2336	2475	2696	2947	3237	2943
20	1069	1119	1178	1233	1273	1294	1291	1271	1299	1391	1473	1549	1415	1257	1124	1231	1416	1630	1409
25	575	569	563	556	548	536	521	514	525	514	493	579	644	616	506	454	562	685	556
30	125	145	169	189	201	203	195	200	201	195	190	178	198	236	212	166	194	249	192
35	78.7	77.3	74.9	71.8	68.4	65.8	66.4	74.7	73.2	72.8	76.5	77.4	72.0	79.3	92.2	78.1	78.3	95.3	78.6
40	42.0	43.4	44.3	44.2	43.3	41.5	39.5	39.6	39.7	40.2	38.7	41.9	45.3	43.6	48.9	50.9	48.3	56.0	48.5
45	35.2	34.8	34.0	32.7	31.1	29.1	27.9	27.7	26.9	27.0	26.4	27.0	29.5	31.2	31.7	37.1	33.5	39.2	33.6
50	29.5	29.5	29.2	28.3	26.9	25.0	23.5	22.6	21.9	21.0	20.6	21.6	22.6	24.7	26.4	28.8	29.0	31.3	29.0
55	25.6	25.4	25.1	24.6	24.0	23.2	22.1	20.4	18.7	18.1	17.7	17.5	18.8	19.9	22.7	23.4	24.8	26.5	24.8
60	21.8	21.9	21.7	21.3	20.6	19.7	18.6	17.9	17.2	15.9	14.5	14.6	14.7	16.3	17.3	19.0	20.9	21.8	20.9
65	17.5	17.5	17.4	17.3	17.1	16.9	16.6	15.7	14.5	13.4	12.9	12.0	11.7	12.1	13.8	15.7	17.0	17.5	17.0
70	13.1	13.2	13.2	13.2	13.1	12.9	12.6	12.3	12.1	12.0	10.9	9.99	9.69	9.29	9.74	11.0	12.4	13.8	12.5
75	9.35	9.34	9.34	9.31	9.33	9.33	9.38	9.43	9.33	9.00	8.56	8.59	8.00	7.47	7.13	8.15	9.59	10.6	9.63
80	5.65	5.64	5.66	5.67	5.71	5.75	5.82	5.88	5.93	6.03	6.20	6.45	6.19	6.05	5.53	5.28	6.47	7.94	6.42
85	0.02	0.08	0.19	0.33	0.52	0.75	1.02	1.34	1.72	2.17	2.74	3.46	3.67	3.84	4.26	4.17	3.57	5.74	3.46
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.92	0.00

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-31

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:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Table--3 UNIT: cd

C(DEG) / g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208
5	6586	6463	6352	6254	6170	6101	6038	5986	5949	5922	5902	5898	5894	5898	5908	5917	5936	5944	5961
10	4768	4553	4369	4217	4103	4190	4279	4372	4458	4537	4606	4649	4675	4683	4673	4647	4611	4561	4512
15	2687	2461	2319	2462	2623	2804	2990	2988	2937	2890	2855	2827	2815	2810	2817	2834	2858	2876	2889
20	1218	1103	1229	1380	1514	1439	1360	1270	1255	1280	1290	1280	1248	1201	1148	1104	1080	1079	1105
25	442	486	585	612	550	466	485	494	487	520	527	541	554	565	576	586	596	603	602
30	162	203	224	188	170	178	180	186	186	183	193	201	186	166	142	122	112	117	136
35	78.3	91.4	79.0	73.0	78.4	77.5	73.2	73.2	75.5	67.7	67.2	69.1	71.0	72.8	74.2	75.4	75.9	75.3	73.4
40	51.3	49.5	44.4	46.5	43.4	40.3	41.7	41.0	40.9	40.9	42.0	42.7	42.9	42.1	40.7	39.2	38.3	38.5	39.4
45	37.5	32.0	31.9	30.3	27.7	27.6	27.8	27.2	27.2	27.1	28.0	29.4	30.3	30.8	31.2	31.4	31.4	31.3	31.0
50	28.9	26.6	24.9	22.9	21.9	20.8	20.9	21.2	21.3	21.7	22.6	23.9	24.5	24.8	24.7	24.5	24.4	24.2	24.2
55	23.5	22.9	20.1	19.2	17.8	17.8	17.7	17.8	18.7	19.6	20.0	20.4	20.6	20.9	21.0	21.1	21.2	21.1	21.0
60	19.1	17.5	16.6	14.9	14.7	14.3	15.1	15.8	16.1	16.3	16.8	17.3	17.7	17.9	18.0	18.0	18.0	17.8	17.7
65	15.8	14.0	12.2	11.8	11.7	12.3	12.5	13.0	13.7	14.2	14.4	14.5	14.7	14.8	14.9	14.9	14.9	14.9	14.8
70	11.1	9.81	9.27	9.45	9.55	10.2	10.8	11.0	11.1	11.4	11.6	11.8	11.9	11.9	12.0	11.9	11.9	11.8	11.8
75	8.14	7.04	7.24	7.66	8.19	8.29	8.73	9.05	9.23	9.28	9.34	9.40	9.44	9.48	9.50	9.52	9.52	9.52	9.50
80	5.13	5.34	5.99	6.38	6.80	6.84	6.88	6.98	7.08	7.13	7.17	7.18	7.19	7.18	7.16	7.15	7.17	7.14	7.11
85	4.20	4.82	4.86	5.07	5.12	4.03	3.16	2.46	1.88	1.41	1.02	0.70	0.44	0.25	0.11	0.03	0.00	0.03	0.11
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-31

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:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:150.13V I:0.2399A P:18.933W PF:0.5256 Freq:50.00Hz Lamp Flux:1638.48x1 lm		
NAME: 6811	TYPE:18W-4000K	WEIGHT:
SPEC.:	DIM.: 102*102*92mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Table--4 UNIT: cd

C(DEG) / g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208	7208				
5	5972	5985	5998	6001	6008	6012	6016	6024	6031	6034	6044	6061	6087	6121	6166				
10	4463	4422	4394	4375	4372	4386	4419	4466	4538	4626	4552	4477	4418	4379	4364				
15	2893	2877	2846	2793	2724	2640	2546	2481	2537	2621	2722	2841	2745	2620	2526				
20	1157	1223	1298	1368	1436	1487	1450	1333	1214	1099	1160	1265	1381	1294	1177				
25	591	565	522	464	397	383	485	548	579	485	402	401	471	516	433				
30	164	192	214	221	214	179	142	115	155	179	159	125	134	164	143				
35	70.1	65.5	60.4	56.2	56.1	70.9	73.7	68.0	59.0	58.7	67.0	62.7	55.4	62.0	62.2				
40	40.6	41.4	41.3	41.0	40.0	37.1	35.2	37.7	40.0	37.9	36.9	40.4	39.5	39.9	42.3				
45	30.5	29.6	28.1	25.9	25.2	26.6	27.6	25.7	23.4	26.8	26.8	26.8	29.7	28.4	31.6				
50	24.1	24.0	23.6	22.8	21.6	20.6	19.8	20.4	20.3	20.0	21.3	22.3	23.8	24.9	26.3				
55	20.7	20.3	19.7	19.0	18.4	18.0	17.8	16.9	16.4	17.3	17.2	18.8	19.5	21.6	22.3				
60	17.5	17.2	16.9	16.6	16.2	15.5	14.6	14.2	14.2	13.3	14.1	14.3	16.3	17.5	18.0				
65	14.7	14.5	14.2	13.8	13.3	13.0	12.7	12.1	11.1	11.0	10.7	11.4	11.9	13.2	14.3				
70	11.7	11.7	11.6	11.4	11.3	11.0	10.5	9.86	9.54	9.08	8.18	8.40	9.18	10.5	11.6				
75	9.44	9.37	9.27	9.13	8.94	8.72	8.50	8.34	8.11	7.41	6.92	6.23	6.35	7.03	8.46				
80	7.11	7.10	7.08	7.05	7.00	6.94	6.86	6.74	6.46	6.12	5.86	5.28	4.77	4.51	5.80				
85	0.24	0.44	0.68	1.00	1.37	1.81	2.35	3.00	3.79	4.75	4.73	4.59	4.14	3.59	3.12				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-31

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:

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