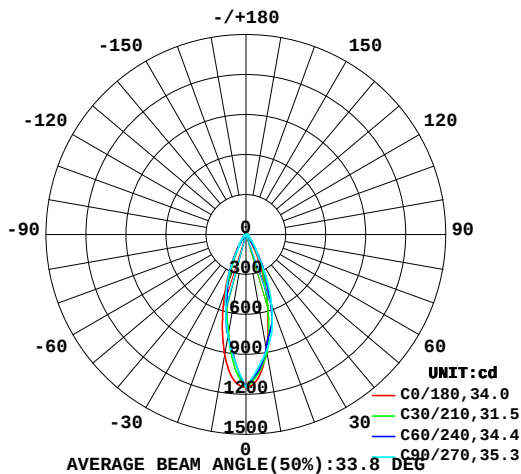


LUMINAIRE PHOTOMETRIC TEST REPORT

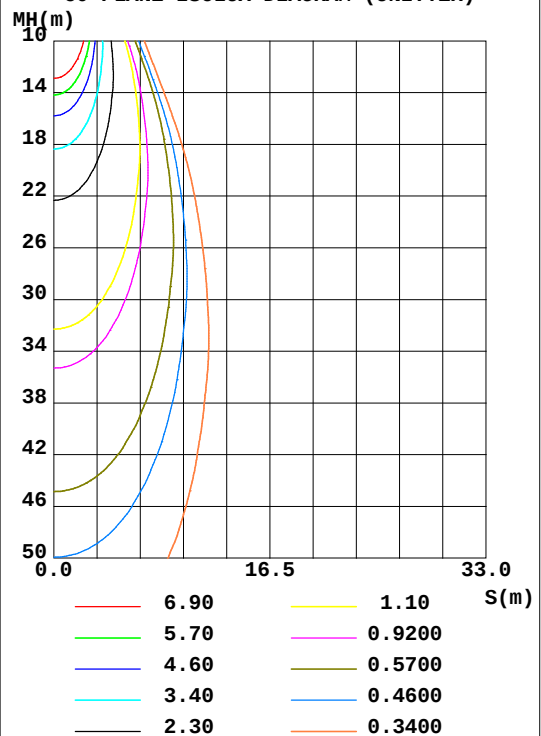
Test:U:220.32V I:0.0617A P:6.2535W PF:0.4600 Freq:50.00Hz Lamp Flux:508.438x1 lm		
NAME: 6790-6W-4000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 60*55*112mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.30 lm/W			
MODEL		I _{max} (cd)	1147	S/MH(C0/180)	0.57
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	0.50
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	508.44	h UP, DN(C0-180)	0.0,53.1
NOMINAL FLUX(lm)	508.438	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,46.9
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

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: 7.100m [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	883.8	879.5	888.1	829.1	919.4	765.7	778.0	810.4	0- 10	91.09	91.09	17.9, 17.9
20	433.3	528.3	563.7	450.7	461.7	371.7	432.4	422.8	10- 20	175.3	266.4	52.4, 52.4
30	125.9	180.5	174.2	176.7	156.7	146.3	110.5	145.5	20- 30	129.4	395.8	77.8, 77.8
40	33.66	36.99	72.78	41.04	44.80	39.64	49.97	32.10	30- 40	51.24	447.1	87.9, 87.9
50	17.07	18.46	19.79	20.65	19.21	20.74	18.26	17.41	40- 50	20.66	467.7	92, 92
60	14.65	14.07	15.19	14.44	16.00	15.06	15.32	14.32	50- 60	14.47	482.2	94.8, 94.8
70	11.64	11.75	12.41	11.56	12.05	12.14	12.53	12.15	60- 70	13.21	495.4	97.4, 97.4
80	9.355	7.445	0	7.473	9.848	7.508	0	7.686	70- 80	10.35	505.8	99.5, 99.5
90	8.745	0	0	0	8.736	0	0	0	80- 90	2.685	508.4	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): 459.6 lm

%lum = 90.4%

%lamp = 90.4%

Conical surface Flux(120deg): 482.19 lm

%lum = 94.8%

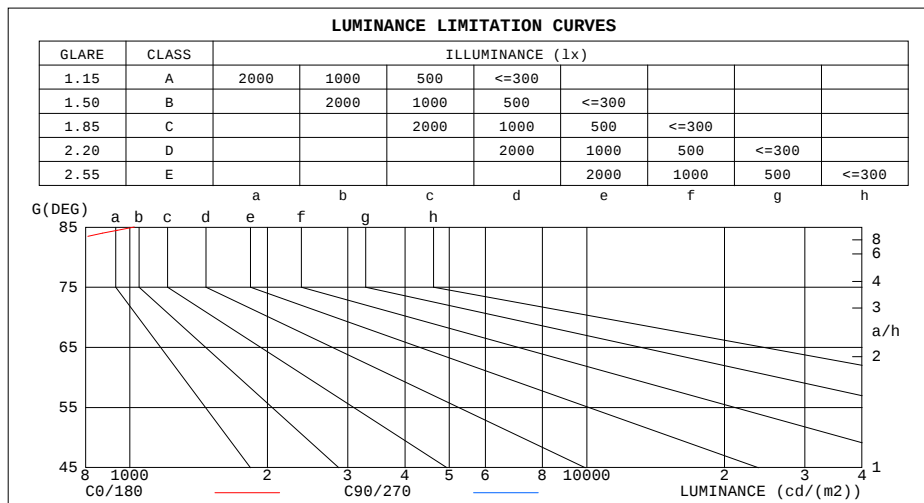
%lamp = 94.8%

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:7.100m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.32V I:0.0617A P:6.2535W PF:0.4600 Freq:50.00Hz Lamp Flux:508.438x1 lm		
NAME: 6790-6W-4000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 60*55*112mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1023	0
80	539	0
75	390	426
70	340	363
65	314	327
60	293	304
55	278	305
50	266	308
45	262	313

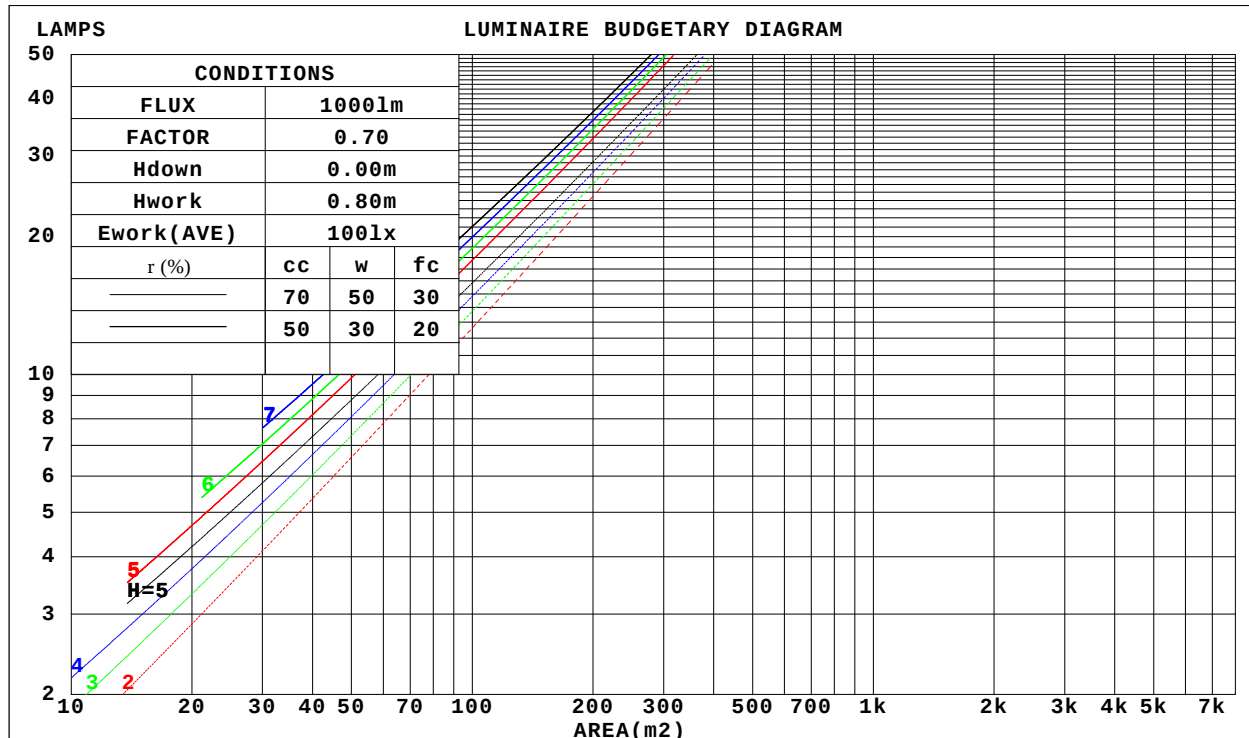
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-10

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: 7.100m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.32V I:0.0617A P:6.2535W PF:0.4600 Freq:50.00Hz Lamp Flux:508.438x1 lm		
NAME: 6790-6W-4000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 60*55*112mm	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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.95	.93
2.0	1.03	.98	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.86
3.0	.96	.91	.87	.95	.90	.86	.92	.88	.85	.90	.86	.84	.87	.85	.82	.81
4.0	.90	.85	.81	.89	.84	.80	.87	.83	.79	.85	.81	.78	.83	.80	.77	.76
5.0	.85	.80	.75	.84	.79	.75	.83	.78	.74	.81	.77	.74	.79	.76	.73	.72
6.0	.81	.75	.71	.80	.75	.71	.79	.74	.70	.77	.73	.70	.76	.72	.69	.68
7.0	.77	.71	.67	.76	.71	.67	.75	.70	.67	.74	.69	.66	.73	.69	.66	.65
8.0	.73	.68	.64	.73	.67	.64	.72	.67	.63	.71	.66	.63	.70	.66	.63	.62
9.0	.70	.64	.61	.69	.64	.61	.68	.64	.60	.68	.63	.60	.67	.63	.60	.59
10.0	.67	.62	.58	.66	.61	.58	.66	.61	.58	.65	.61	.58	.64	.60	.57	.56



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: 7.100m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.32V I:0.0617A P:6.2535W PF:0.4600 Freq:50.00Hz Lamp Flux:508.438x1 lm		
NAME: 6790-6W-4000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 60*55*112mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

r c c	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 f c	20%			20%			20%			20%			20%			0
R C R	R C R:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.188	.107	.034	.181	.103	.033	.168	.096	.031	.156	.090	.029	.146	.085	.027	
2.0	.175	.096	.029	.170	.093	.029	.159	.088	.027	.149	.084	.026	.140	.079	.025	
3.0	.163	.087	.026	.159	.085	.026	.149	.081	.025	.141	.077	.024	.133	.074	.023	
4.0	.153	.079	.023	.149	.078	.023	.141	.075	.022	.134	.072	.022	.127	.069	.021	
5.0	.143	.073	.021	.140	.072	.021	.133	.069	.020	.127	.067	.020	.121	.065	.019	
6.0	.135	.068	.019	.132	.067	.019	.126	.065	.019	.121	.063	.018	.116	.061	.018	
7.0	.128	.063	.018	.125	.062	.018	.120	.061	.017	.115	.059	.017	.111	.057	.017	
8.0	.122	.059	.017	.119	.059	.017	.115	.057	.016	.110	.056	.016	.106	.054	.016	
9.0	.116	.056	.016	.114	.055	.016	.109	.054	.015	.106	.053	.015	.102	.052	.015	
10.0	.110	.053	.015	.109	.052	.015	.105	.051	.014	.101	.050	.014	.098	.049	.014	

r c c	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 f c	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	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.123	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.133	.099	.073	.114	.085	.063	.079	.060	.044	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.099	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.109	.070	.043	.093	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.103	.064	.037	.088	.055	.032	.061	.039	.023	.036	.023	.014	.011	.007	.004	
9.0	.097	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.092	.054	.028	.079	.047	.025	.055	.033	.017	.032	.019	.010	.010	.006	.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: 7.100m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.32V I:0.0617A P:6.2535W PF:0.4600 Freq:50.00Hz Lamp Flux:508.438x1 lm											
NAME: 6790-6W-4000K					TYPE:室内			WEIGHT:			
SPEC.:					DIM.: 60*55*112mm			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	6.1	7.0	6.3	7.2	7.4	7.5	8.4	7.7	8.6	8.8	
	3H	7.9	8.7	8.2	8.9	9.1	8.9	9.8	9.2	10.0	10.2
	4H	8.9	9.7	9.2	10.0	10.2	9.8	10.6	10.1	10.9	11.1
	6H	10.1	10.9	10.4	11.1	11.4	10.0	10.8	10.3	11.0	11.3
	8H	10.9	11.6	11.2	11.9	12.2	10.0	10.7	10.3	10.9	11.2
	12H	11.9	12.6	12.2	12.8	13.1	9.9	10.6	10.2	10.9	11.2
4H	2H	6.7	7.5	7.0	7.7	8.0	7.9	8.7	8.1	8.9	9.1
	3H	8.8	9.5	9.1	9.8	10.0	9.6	10.3	9.9	10.6	10.9
	4H	10.0	10.6	10.3	10.9	11.3	10.8	11.4	11.1	11.7	12.0
	6H	11.4	12.0	11.8	12.3	12.7	11.0	11.6	11.4	11.9	12.3
	8H	12.3	12.8	12.7	13.2	13.6	11.0	11.5	11.3	11.8	12.2
	12H	13.4	13.9	13.8	14.3	14.6	10.9	11.4	11.3	11.8	12.2
8H	4H	10.6	11.1	11.0	11.5	11.8	11.2	11.8	11.6	12.1	12.5
	6H	12.3	12.7	12.7	13.1	13.5	11.5	11.9	11.9	12.3	12.7
	8H	13.3	13.7	13.8	14.1	14.6	11.4	11.8	11.9	12.3	12.7
	12H	14.6	15.0	15.1	15.4	15.9	11.4	11.7	11.9	12.2	12.6
12H	4H	10.6	11.1	11.0	11.4	11.8	11.3	11.8	11.7	12.2	12.6
	6H	12.3	12.7	12.7	13.1	13.5	11.6	12.0	12.1	12.4	12.9
	8H	13.4	13.7	13.8	14.2	14.6	11.6	11.9	12.0	12.3	12.8
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.8 / - 0.7					
1.5H	+ 0.2 / - 0.2					+ 2.0 / - 0.8					
2.0H	+ 0.2 / - 0.3					+ 0.4 / - 0.5					

CIE Pub.117, 508.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.4)
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: 7.100m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.32V I:0.0617A P:6.2535W PF:0.4600 Freq:50.00Hz Lamp Flux:508.438x1 lm		
NAME: 6790-6W-4000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 60*55*112mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

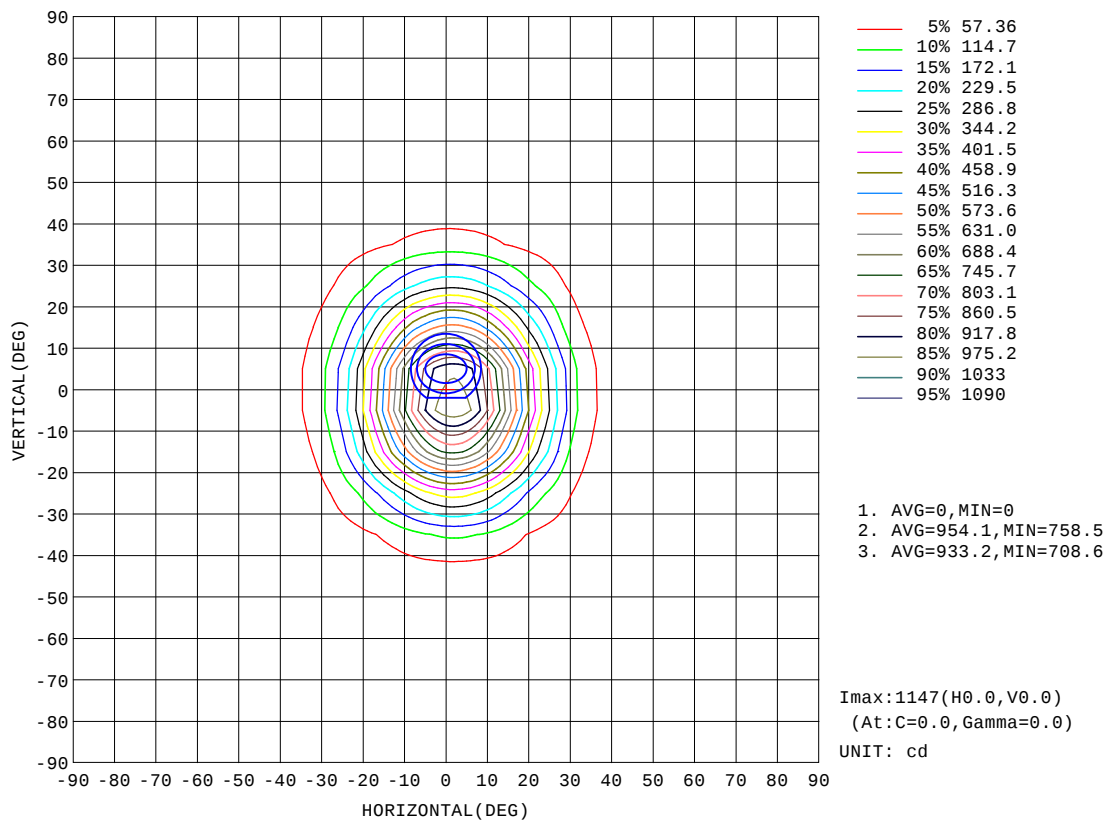
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	84	77	73	84	77	73	83	77	73	69
0.80	92	85	81	91	85	81	90	84	81	77
1.00	96	90	86	95	90	86	94	90	85	81
1.25	101	95	91	99	94	90	97	93	90	85
1.50	103	98	94	102	97	94	100	96	93	88
2.00	107	102	98	105	101	97	102	99	96	90
2.50	109	104	101	107	103	100	104	101	98	92
3.00	110	106	103	109	105	102	105	102	100	93
4.00	113	109	107	111	108	106	107	105	103	96
5.00	114	112	109	112	110	108	108	106	105	97
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:7.100m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.32V I:0.0617A P:6.2535W PF:0.4600 Freq:50.00Hz Lamp Flux:508.438x1 lm		
NAME: 6790-6W-4000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 60*55*112mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



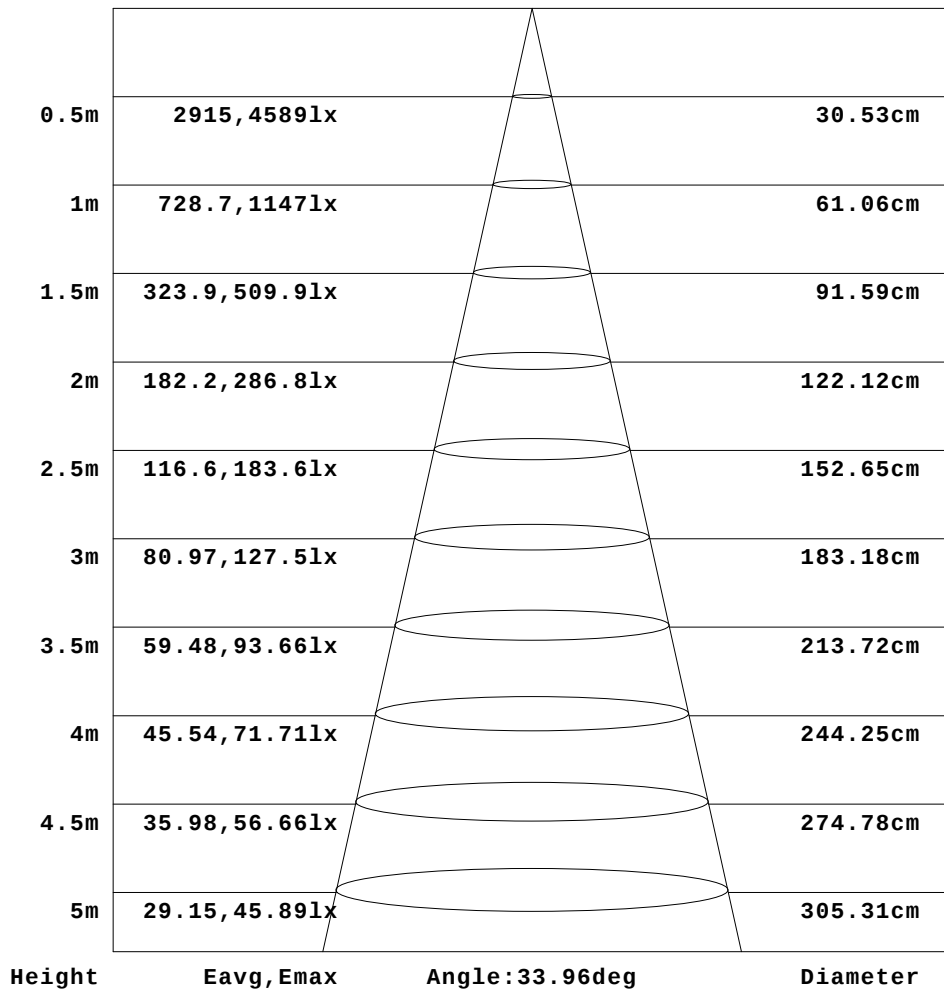
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-10

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:7.100m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.32V I:0.0617A P:6.2535W PF:0.4600 Freq:50.00Hz Lamp Flux:508.438x1 lm		
NAME: 6790-6W-4000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 60*55*112mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

Flux out:214.0 lm



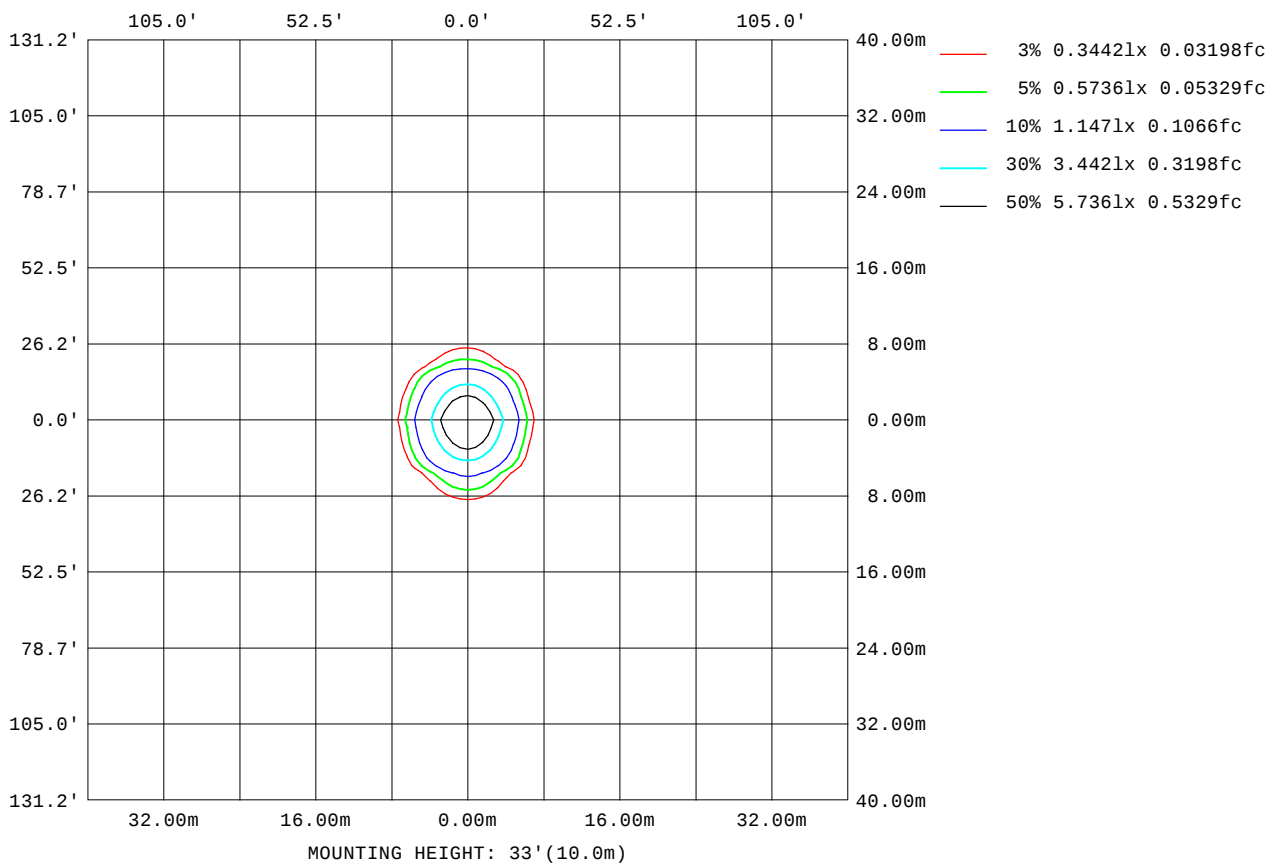
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:7.100m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.32V I:0.0617A P:6.2535W PF:0.4600 Freq:50.00Hz Lamp Flux:508.438x1 lm		
NAME: 6790-6W-4000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 60*55*112mm	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: 7.100m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.32V I:0.0617A P:6.2535W PF:0.4600 Freq:50.00Hz Lamp Flux:508.438x1 lm		
NAME: 6790-6W-4000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 60*55*112mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

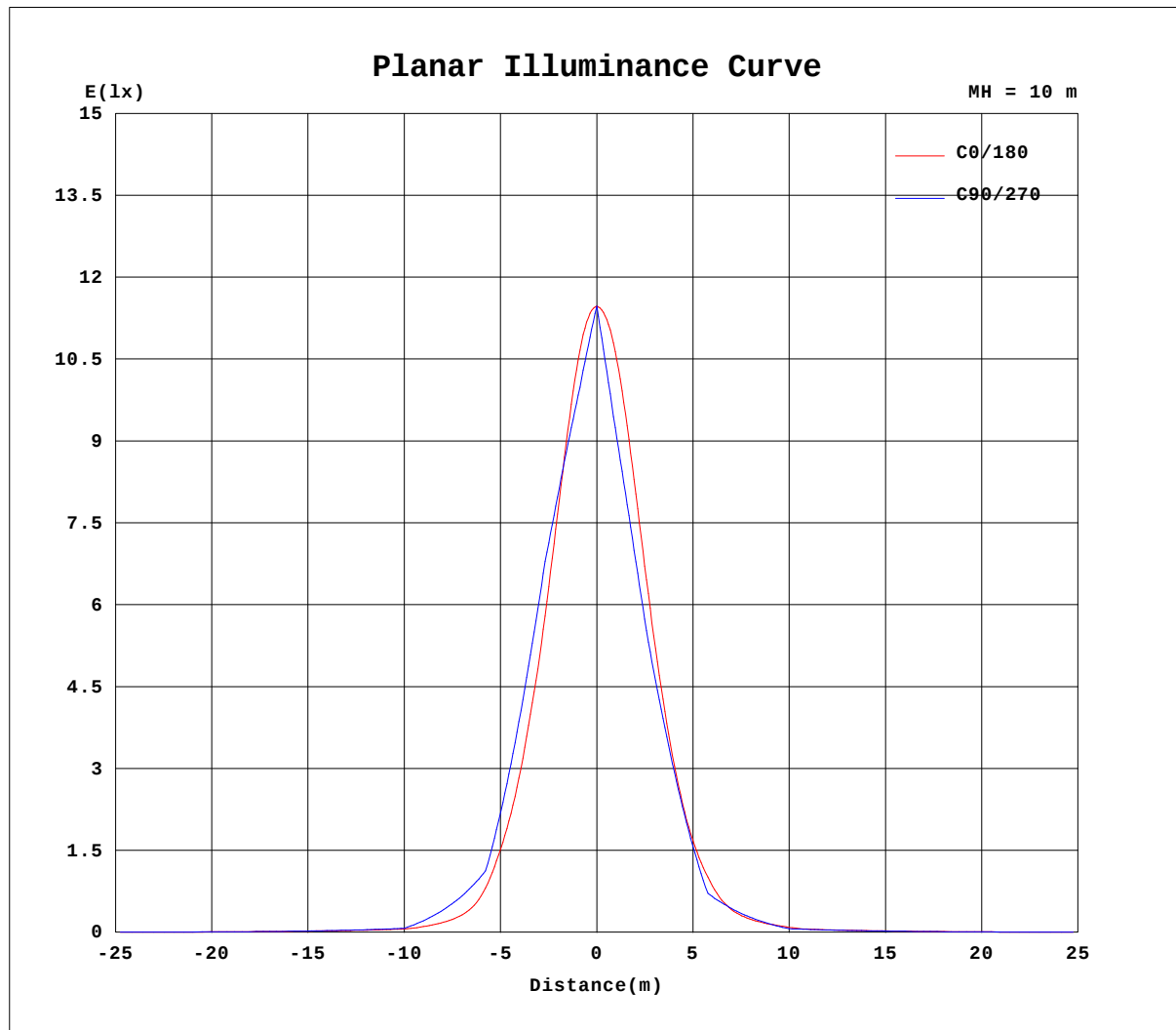
AvgL	cd/m2
L_0~180(65)av	323
L_0~180(75)av	401
L_0~180(85)av	1047
L_90~270(65)av	328
L_90~270(75)av	428
L_90~270(85)av	0
L_45(65)av	313
L_45(75)av	405
L_45(85)av	0

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:7.100m [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: 2026-08-10

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: 7.100m [K=1.0000]
Remarks:

