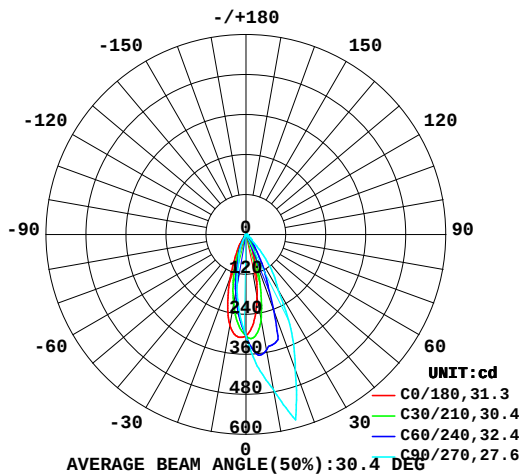


LUMINAIRE PHOTOMETRIC TEST REPORT

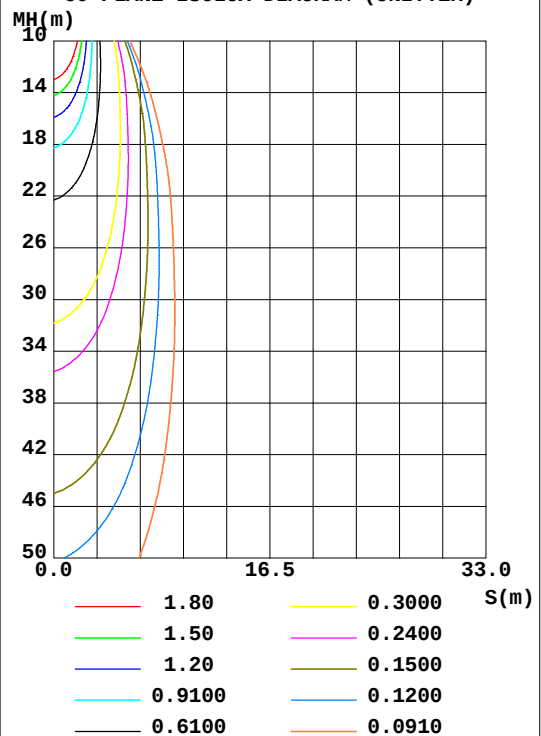
Test:U:220.27V I:0.0465A P:5.0148W PF:0.4895 Freq:50.00Hz Lamp Flux:173.592x1 lm		
NAME: 6546-5W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 79*62*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 34.62 lm/W			
MODEL		I _{max} (cd)	607.5	S/MH(C0/180)	0.61
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.36
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	173.59	h UP, DN(C0-180)	0.0,76.2
NOMINAL FLUX(lm)	173.592	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,23.8
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:2026-08-22

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	193.2	299.7	470.9	427.1	278.3	195.2	159.3	165.0	0- 10	27.87	27.87	16.1, 16.1
20	68.35	175.1	434.4	340.1	139.1	69.85	60.10	49.40	10- 20	62.75	90.63	52.2, 52.2
30	14.79	53.12	194.3	114.6	46.77	23.53	6.245	10.93	20- 30	48.10	138.7	79.9, 79.9
40	4.704	12.84	80.66	34.47	9.630	4.023	3.371	2.702	30- 40	21.71	160.4	92.4, 92.4
50	2.018	4.421	16.92	10.33	3.918	2.007	1.562	1.374	40- 50	7.843	168.3	96.9, 96.9
60	1.078	1.738	3.080	3.121	1.789	1.067	0.8188	0.8352	50- 60	2.945	171.2	98.6, 98.6
70	0.8052	0.9461	1.827	1.401	0.9424	0.7907	0.7945	0.7587	60- 70	1.280	172.5	99.4, 99.4
80	0.7780	0.6295	0	0.7314	0.8279	0.6263	0	0.5977	70- 80	0.8632	173.4	99.9, 99.9
90	0.7732	0	0	0	0.7733	0	0	0	80- 90	0.2261	173.6	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): 165.56 lm

%lum = 95.4%

%lamp = 95.4%

Conical surface Flux(120deg): 171.22 lm

%lum = 98.6%

%lamp = 98.6%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-22

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:220.27V I:0.0465A P:5.0148W PF:0.4895 Freq:50.00Hz Lamp Flux:173.592x1 lm		
NAME: 6546-5W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 79*62*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	89	0
80	45	0
75	30	47
70	24	53
65	20	59
60	22	62
55	25	178
50	31	263
45	41	345

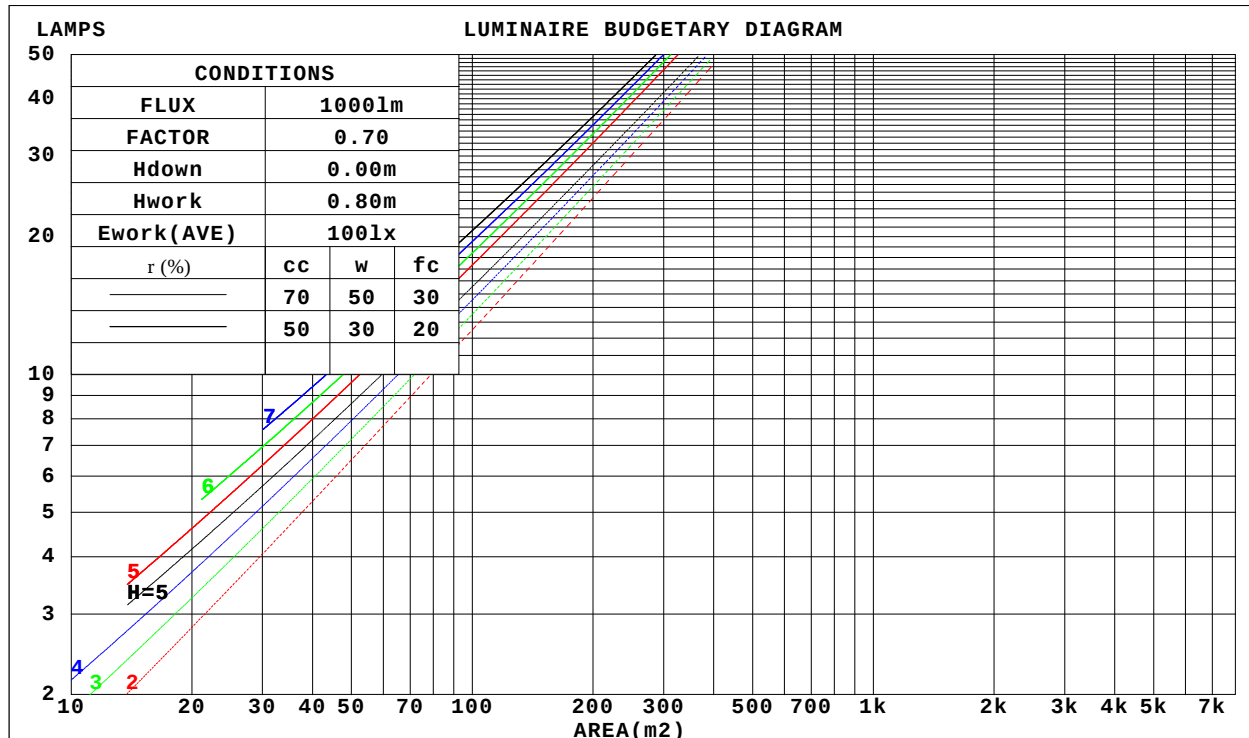
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-22

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:220.27V I:0.0465A P:5.0148W PF:0.4895 Freq:50.00Hz Lamp Flux:173.592x1 lm		
NAME: 6546-5W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 79*62*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.85	.81	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6.0	.82	.77	.73	.82	.76	.73	.80	.76	.72	.79	.75	.72	.77	.74	.71	.70
7.0	.78	.73	.69	.78	.72	.69	.76	.72	.68	.75	.71	.68	.74	.70	.68	.66
8.0	.74	.69	.65	.74	.69	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.63
9.0	.71	.65	.62	.70	.65	.62	.70	.65	.62	.69	.64	.61	.68	.64	.61	.60
10.0	.68	.62	.59	.67	.62	.59	.67	.62	.59	.66	.62	.59	.65	.61	.58	.57



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-22

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:220.27V I:0.0465A P:5.0148W PF:0.4895 Freq:50.00Hz Lamp Flux:173.592x1 lm		
NAME: 6546-5W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 79*62*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

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	.171	.097	.031	.164	.094	.030	.151	.087	.028	.140	.081	.026	.129	.075	.024	
2.0	.162	.089	.027	.156	.086	.026	.145	.081	.025	.136	.076	.024	.127	.072	.023	
3.0	.153	.081	.024	.148	.079	.024	.139	.075	.023	.131	.072	.022	.123	.068	.021	
4.0	.145	.075	.022	.140	.074	.022	.133	.070	.021	.126	.067	.020	.119	.065	.020	
5.0	.137	.070	.020	.134	.069	.020	.127	.066	.019	.121	.064	.019	.115	.061	.018	
6.0	.130	.065	.019	.127	.064	.019	.121	.062	.018	.116	.060	.018	.111	.058	.017	
7.0	.124	.061	.017	.122	.061	.017	.116	.059	.017	.112	.057	.017	.107	.056	.016	
8.0	.119	.058	.016	.116	.057	.016	.112	.056	.016	.107	.054	.016	.103	.053	.015	
9.0	.114	.055	.015	.111	.054	.015	.107	.053	.015	.104	.052	.015	.100	.051	.015	
10.0	.109	.052	.014	.107	.052	.014	.103	.051	.014	.100	.050	.014	.097	.049	.014	

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	.145	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.015	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.037	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.068	.047	.031	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.043	.092	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.101	.063	.037	.087	.055	.032	.060	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.096	.058	.032	.083	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.091	.054	.028	.079	.047	.025	.055	.033	.018	.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: 2026-08-22

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:

UGR(Unified Glare Rating) Table

Test:U:220.27V I:0.0465A P:5.0148W PF:0.4895 Freq:50.00Hz Lamp Flux:173.592x1 lm											
NAME: 6546-5W-3000K						TYPE:室内			WEIGHT:		
SPEC.:						DIM.: 79*62*100mm			SERIAL No.:01		
MFR.: NORDECOR						SUR.:			Shielding Angle:25°		
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	0.7	1.6	0.9	1.7	1.9	11.7	12.5	11.9	12.7	12.9	
	3H	1.0	1.8	1.2	2.0	2.2	11.6	12.4	11.9	12.6	
	4H	1.3	2.1	1.6	2.3	2.5	11.6	12.3	11.8	12.6	
	6H	2.0	2.7	2.3	3.0	3.2	11.5	12.2	11.8	12.5	
	8H	2.5	3.2	2.8	3.4	3.7	11.4	12.1	11.8	12.4	
	12H	3.1	3.8	3.5	4.1	4.4	11.4	12.1	11.7	12.3	
4H	2H	1.0	1.8	1.3	2.0	2.2	11.4	12.2	11.7	12.4	
	3H	1.5	2.1	1.8	2.4	2.7	11.4	12.0	11.7	12.3	
	4H	1.9	2.5	2.3	2.8	3.1	11.4	12.0	11.7	12.3	
	6H	2.8	3.3	3.2	3.7	4.0	11.3	11.8	11.7	12.2	
	8H	3.4	3.9	3.8	4.3	4.6	11.2	11.7	11.6	12.1	
	12H	4.3	4.7	4.7	5.1	5.5	11.2	11.6	11.6	12.0	
8H	4H	2.3	2.7	2.6	3.1	3.5	11.3	11.7	11.6	12.1	
	6H	3.4	3.8	3.8	4.2	4.6	11.2	11.6	11.6	12.0	
	8H	4.2	4.6	4.6	5.0	5.4	11.1	11.5	11.6	11.9	
	12H	5.3	5.6	5.8	6.0	6.5	11.1	11.4	11.5	11.8	
12H	4H	2.2	2.7	2.6	3.1	3.4	11.2	11.7	11.6	12.0	
	6H	3.4	3.7	3.8	4.1	4.6	11.1	11.5	11.6	11.9	
	8H	4.2	4.5	4.7	5.0	5.4	11.1	11.4	11.5	11.8	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.0 / - 0.9					+ 5.3 / - 6.5					
1.5H	+ 0.9 / - 0.8					+ 7.5 / - 7.4					
2.0H	+ 0.6 / - 0.5					+ 5.4 / - 5.0					

CIE Pub.117, 173.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.1)
Area: 0.1 m2

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-22

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:220.27V I:0.0465A P:5.0148W PF:0.4895 Freq:50.00Hz Lamp Flux:173.592x1 lm		
NAME: 6546-5W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 79*62*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

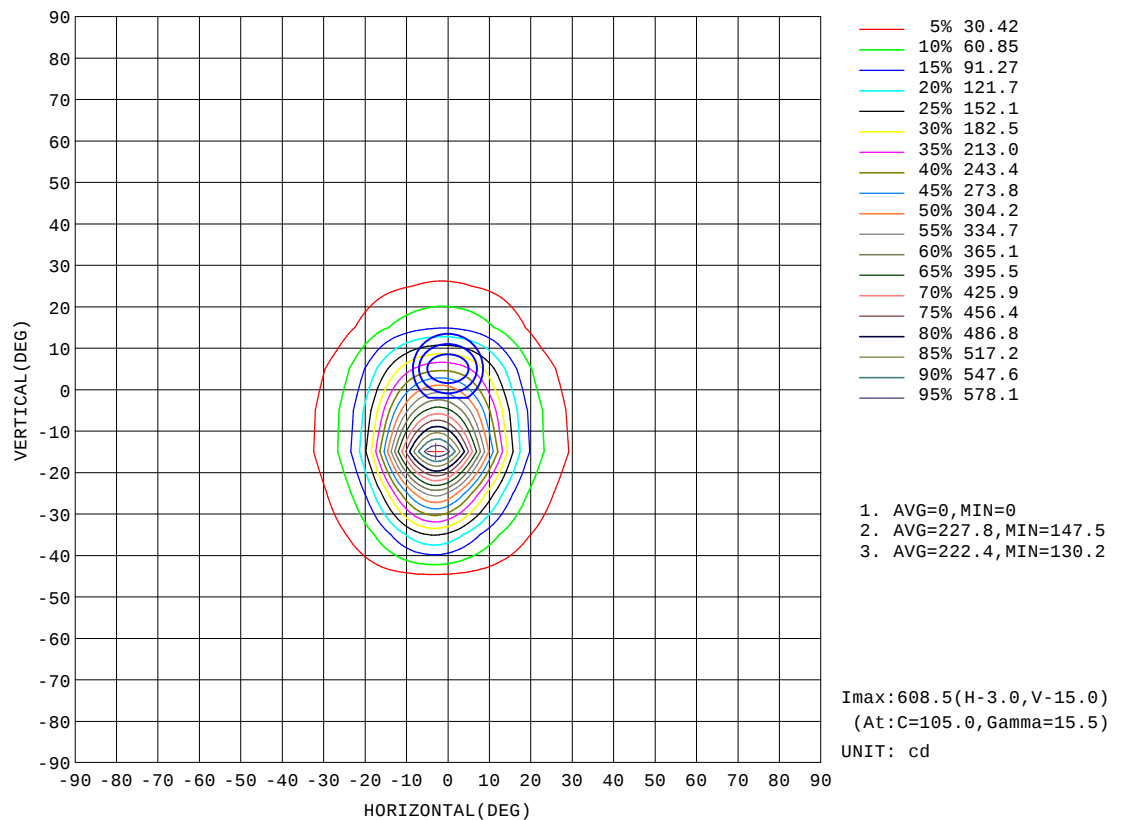
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	87	80	77	86	80	76	86	80	76	73
0.80	94	88	85	94	88	84	92	87	84	80
1.00	99	93	89	98	93	89	96	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	97	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	104	97
5.00	115	113	111	113	111	109	109	107	106	98
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:2026-08-22

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:220.27V I:0.0465A P:5.0148W PF:0.4895 Freq:50.00Hz Lamp Flux:173.592x1 lm		
NAME: 6546-5W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 79*62*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°



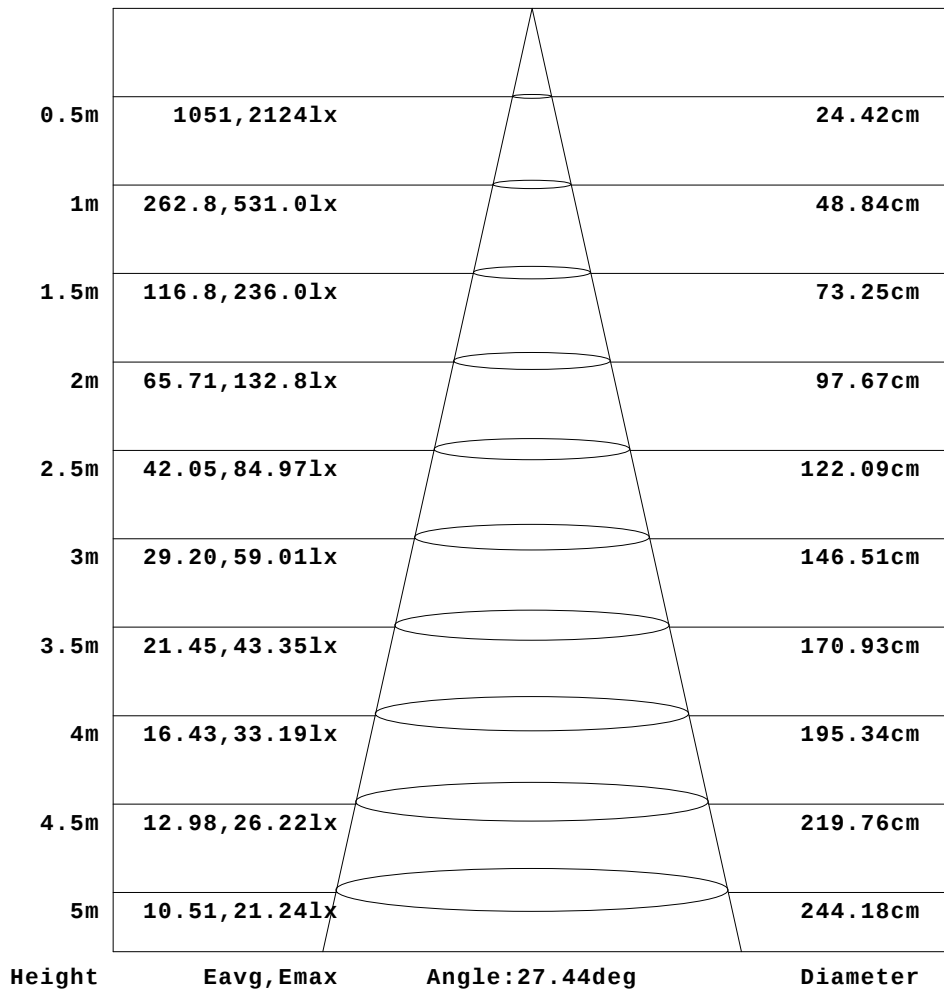
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-22

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:220.27V I:0.0465A P:5.0148W PF:0.4895 Freq:50.00Hz Lamp Flux:173.592x1 lm		
NAME: 6546-5W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 79*62*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

Flux out:51.33 lm



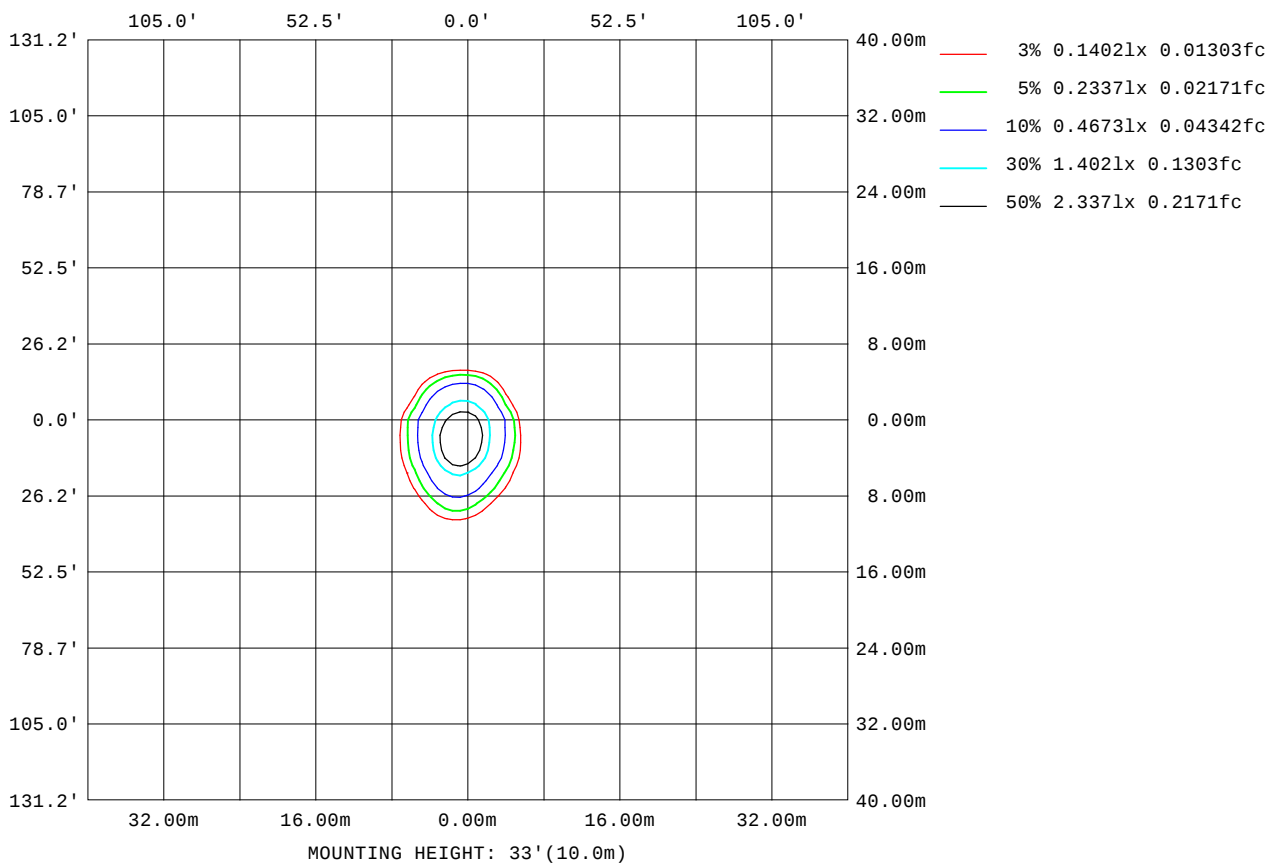
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-22

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:220.27V I:0.0465A P:5.0148W PF:0.4895 Freq:50.00Hz Lamp Flux:173.592x1 lm		
NAME: 6546-5W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 79*62*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-22

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:220.27V I:0.0465A P:5.0148W PF:0.4895 Freq:50.00Hz Lamp Flux:173.592x1 lm		
NAME: 6546-5W-3000K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 79*62*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

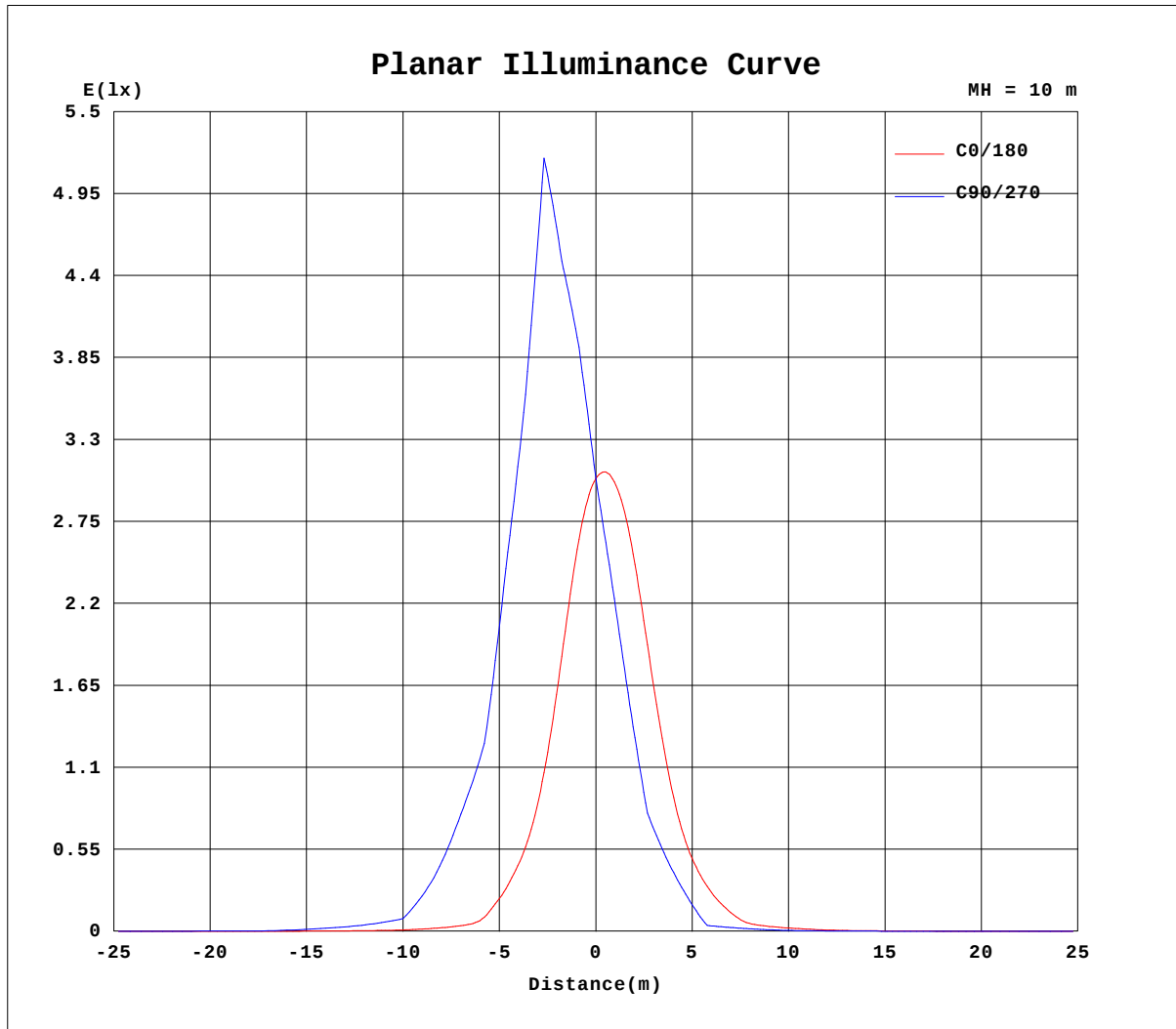
AvgL	cd/m2
L_0~180(65)av	25
L_0~180(75)av	32
L_0~180(85)av	90
L_90~270(65)av	39
L_90~270(75)av	38
L_90~270(85)av	0
L_45(65)av	29
L_45(75)av	34
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-22

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: 2026-08-22

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:

