

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
10	922.2	828.3	866.2	849.5	1076	1079	1160	1003	0- 10	107.7	107.7	33.4, 33.4
20	168.2	213.0	150.6	212.2	282.6	343.1	332.9	307.9	10- 20	156.8	264.5	82.1, 82.1
30	17.03	18.06	16.44	20.36	26.84	36.35	29.51	26.34	20- 30	44.88	309.3	96, 96
40	2.844	1.962	3.315	2.644	5.119	4.213	3.908	2.663	30- 40	6.837	316.2	98.1, 98.1
50	1.766	1.186	2.279	1.426	2.539	1.368	1.682	1.145	40- 50	1.771	318.0	98.7, 98.7
60	1.341	1.078	1.810	1.360	1.717	1.094	1.346	0.9590	50- 60	1.291	319.2	99.1, 99.1
70	1.204	1.107	1.367	1.309	1.358	1.116	1.221	1.027	60- 70	1.212	320.5	99.5, 99.5
80	1.213	0.9693	0.9913	1.026	1.155	1.101	1.111	1.053	70- 80	1.152	321.6	99.8, 99.8
90	1.102	0	0	0	1.040	0	0	0	80- 90	0.5665	322.2	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): 317.19 lm

%lum = 98.5%

%lamp = 98.5%

Conical surface Flux(120deg): 319.24 lm

%lum = 99.1%

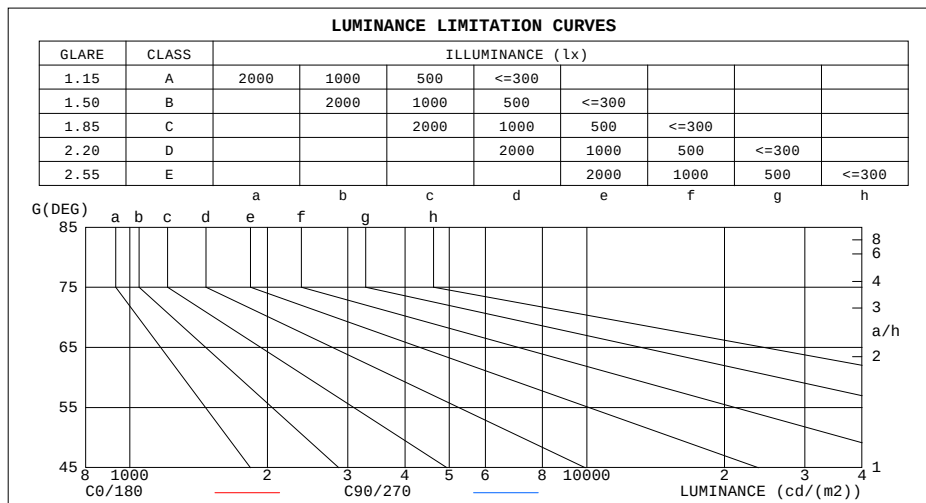
%lamp = 99.1%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-09-09

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.200m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:150.25V I:0.0741A P:6.0571W PF:0.5442 Freq:50.00Hz Lamp Flux:322.173x1 lm		
NAME: 6464	TYPE:2*3W-2700K	WEIGHT:
SPEC.:	DIM.: 95*47*123mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	135	0
80	70	57
75	46	45
70	35	40
65	30	38
60	27	36
55	26	36
50	27	35
45	30	40

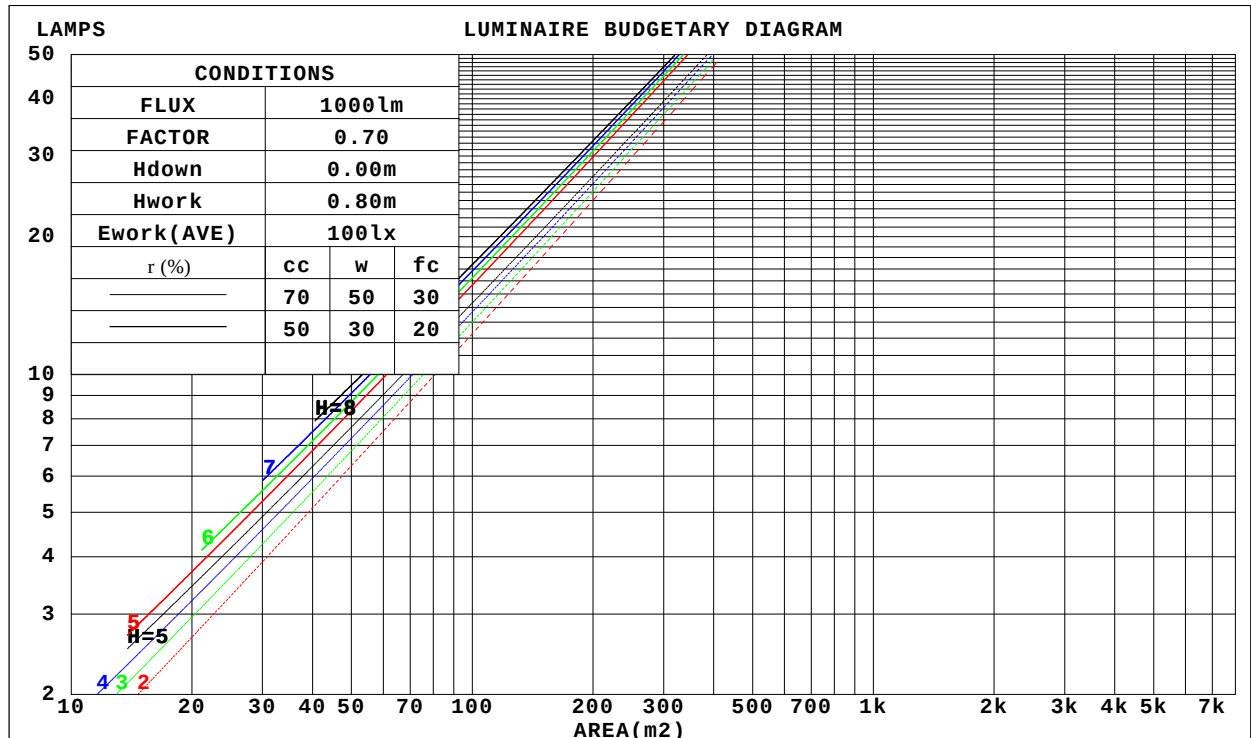
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-09

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:150.25V I:0.0741A P:6.0571W PF:0.5442 Freq:50.00Hz Lamp Flux:322.173x1 lm		
NAME: 6464	TYPE:2*3W-2700K	WEIGHT:
SPEC.:	DIM.: 95*47*123mm	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	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.07	1.04	1.02	1.06	1.03	1.01	1.03	1.00	.98	.99	.98	.96	.97	.96	.94	.93
3.0	1.03	.99	.96	1.01	.98	.95	.99	.96	.94	.97	.94	.93	.95	.93	.91	.90
4.0	.99	.95	.92	.98	.94	.91	.96	.93	.90	.94	.91	.89	.92	.90	.88	.87
5.0	.95	.91	.88	.94	.91	.88	.93	.89	.87	.91	.88	.86	.90	.87	.86	.84
6.0	.92	.88	.85	.91	.87	.85	.90	.87	.84	.89	.86	.83	.88	.85	.83	.82
7.0	.89	.85	.82	.88	.85	.82	.87	.84	.81	.86	.83	.81	.85	.83	.81	.80
8.0	.86	.82	.79	.86	.82	.79	.85	.81	.79	.84	.81	.79	.83	.80	.78	.77
9.0	.84	.80	.77	.83	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.75
10.0	.81	.77	.75	.81	.77	.75	.80	.77	.75	.80	.77	.74	.79	.76	.74	.73



H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:150.25V I:0.0741A P:6.0571W PF:0.5442 Freq:50.00Hz Lamp Flux:322.173x1 lm		
NAME: 6464	TYPE:2*3W-2700K	WEIGHT:
SPEC.:	DIM.: 95*47*123mm	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	.140	.080	.025	.134	.076	.024	.121	.070	.022	.110	.063	.020	.099	.058	.019	
2.0	.129	.071	.022	.124	.068	.021	.114	.063	.020	.104	.058	.018	.095	.054	.017	
3.0	.120	.064	.019	.115	.062	.019	.107	.058	.018	.099	.054	.017	.092	.051	.016	
4.0	.112	.058	.017	.108	.057	.017	.101	.054	.016	.094	.051	.015	.088	.048	.015	
5.0	.105	.054	.016	.102	.052	.015	.096	.050	.015	.090	.048	.014	.085	.045	.014	
6.0	.099	.050	.014	.097	.049	.014	.091	.047	.014	.086	.045	.013	.082	.043	.013	
7.0	.094	.047	.013	.092	.046	.013	.087	.044	.013	.083	.043	.012	.079	.041	.012	
8.0	.090	.044	.012	.088	.043	.012	.084	.042	.012	.080	.040	.012	.076	.039	.011	
9.0	.086	.041	.012	.084	.041	.011	.080	.040	.011	.077	.039	.011	.074	.037	.011	
10.0	.082	.039	.011	.080	.039	.011	.077	.038	.011	.074	.037	.010	.072	.036	.010	

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	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.136	.113	.096	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.123	.098	.079	.106	.085	.068	.073	.059	.048	.042	.035	.029	.014	.011	.009	
5.0	.112	.086	.066	.097	.074	.057	.067	.052	.040	.039	.030	.024	.012	.010	.008	
6.0	.104	.076	.056	.089	.065	.048	.061	.046	.034	.036	.027	.020	.011	.009	.007	
7.0	.096	.067	.047	.083	.058	.041	.057	.041	.029	.033	.024	.017	.011	.008	.006	
8.0	.089	.061	.041	.077	.053	.036	.053	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.084	.055	.036	.072	.048	.031	.050	.034	.022	.029	.020	.013	.009	.007	.004	
10.0	.079	.050	.031	.068	.044	.027	.047	.031	.019	.027	.018	.012	.009	.006	.004	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-09

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: 7.200m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:150.25V I:0.0741A P:6.0571W PF:0.5442 Freq:50.00Hz Lamp Flux:322.173x1 lm											
NAME: 6464					TYPE:2*3W-2700K			WEIGHT:			
SPEC.:					DIM.: 95*47*123mm			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	2H	-7.9	-7.2	-7.7	-7.1	-6.9	-5.9	-5.3	-5.7	-5.1	-5.0
	3H	-6.0	-5.4	-5.7	-5.2	-5.0	-4.0	-3.4	-3.8	-3.2	-3.0
	4H	-4.6	-4.1	-4.4	-3.8	-3.6	-2.9	-2.3	-2.7	-2.1	-1.9
	6H	-2.9	-2.3	-2.6	-2.1	-1.9	-1.7	-1.2	-1.4	-0.9	-0.7
	8H	-1.9	-1.3	-1.6	-1.1	-0.8	-1.4	-0.9	-1.1	-0.6	-0.4
	12H	-0.6	-0.1	-0.3	0.2	0.4	-1.4	-0.9	-1.1	-0.6	-0.4
4H	2H	-7.2	-6.7	-7.0	-6.5	-6.2	-5.6	-5.0	-5.3	-4.8	-4.6
	3H	-5.1	-4.6	-4.8	-4.3	-4.0	-3.3	-2.8	-3.0	-2.6	-2.3
	4H	-3.6	-3.1	-3.2	-2.8	-2.5	-2.0	-1.5	-1.7	-1.2	-0.9
	6H	-1.7	-1.3	-1.3	-0.9	-0.6	-0.5	-0.1	-0.2	0.2	0.5
	8H	-0.6	-0.2	-0.2	0.2	0.5	-0.2	0.2	0.2	0.6	0.9
	12H	0.8	1.1	1.2	1.5	1.9	-0.1	0.2	0.3	0.6	1.0
8H	4H	-2.8	-2.4	-2.4	-2.0	-1.7	-1.5	-1.1	-1.1	-0.8	-0.4
	6H	-0.6	-0.3	-0.2	0.1	0.5	0.2	0.5	0.6	0.9	1.3
	8H	0.6	0.9	1.1	1.3	1.8	0.7	1.0	1.1	1.4	1.8
	12H	2.1	2.4	2.6	2.8	3.3	0.7	1.0	1.2	1.4	1.9
12H	4H	-2.6	-2.2	-2.2	-1.9	-1.5	-1.4	-1.1	-1.0	-0.7	-0.3
	6H	-0.3	-0.0	0.1	0.4	0.8	0.4	0.7	0.9	1.1	1.6
	8H	1.0	1.3	1.5	1.7	2.2	0.9	1.2	1.4	1.6	2.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.1					+ 0.2 / - 0.2					
1.5H	+ 0.3 / - 0.4					+ 0.6 / - 0.2					
2.0H	+ 0.5 / - 0.6					+ 0.2 / - 0.3					

CIE Pub.117, 322.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.9)
Area: 0.1 m2

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:150.25V I:0.0741A P:6.0571W PF:0.5442 Freq:50.00Hz Lamp Flux:322.173x1 lm		
NAME: 6464	TYPE:2*3W-2700K	WEIGHT:
SPEC.:	DIM.: 95*47*123mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

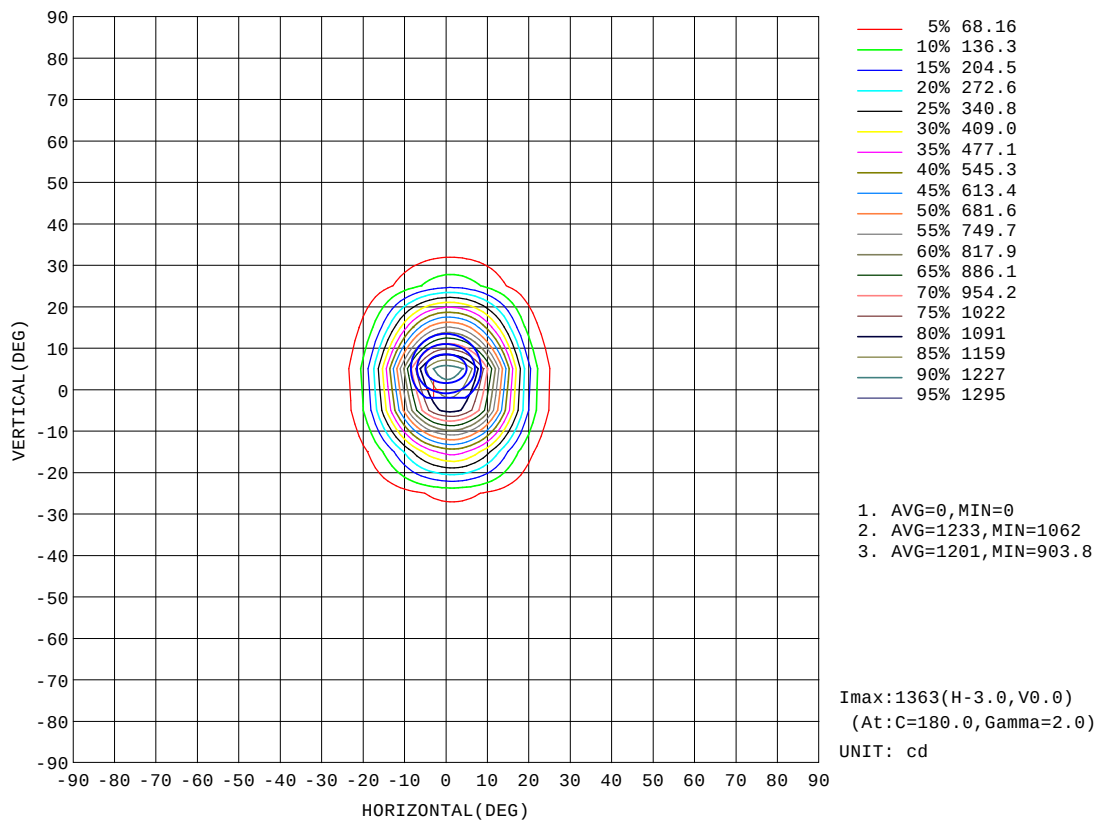
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	85	81	90	85	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	105	102	105	103	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	112	110	109	108	107	100
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:2026-09-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:150.25V I:0.0741A P:6.0571W PF:0.5442 Freq:50.00Hz Lamp Flux:322.173x1 lm		
NAME: 6464	TYPE:2*3W-2700K	WEIGHT:
SPEC.:	DIM.: 95*47*123mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



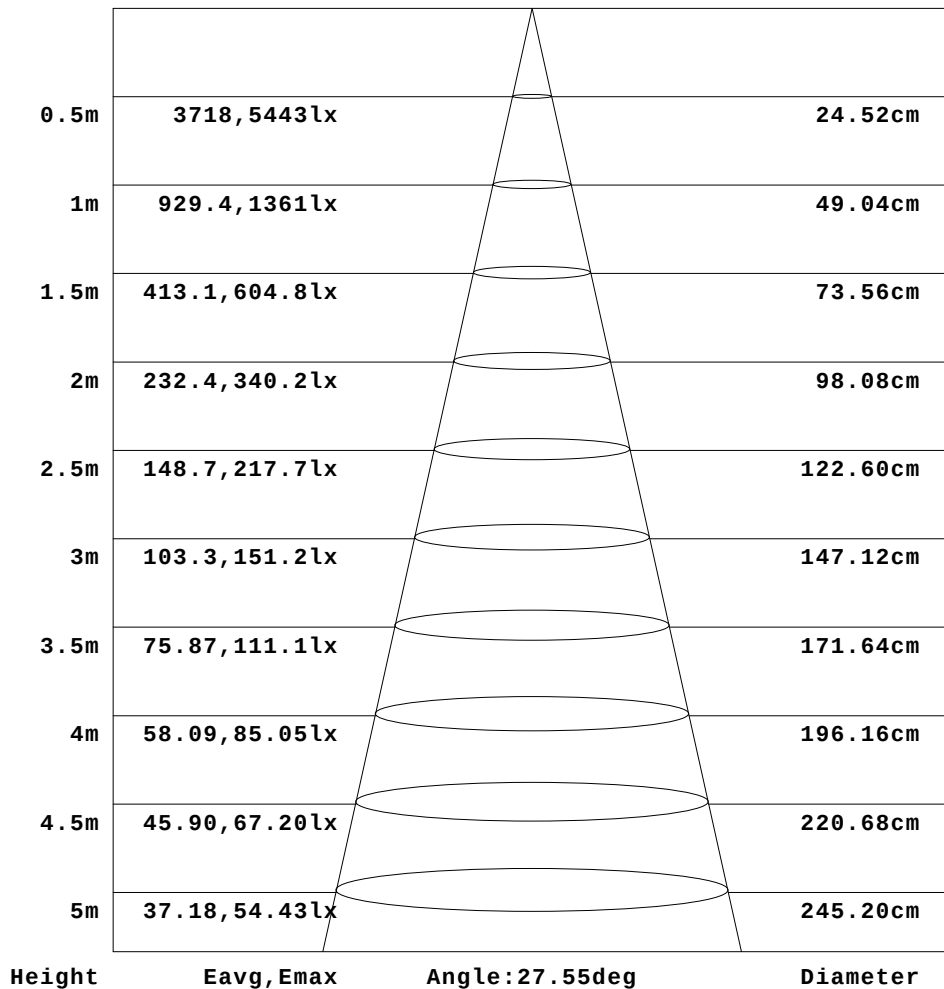
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks:

AAI Figure

Test:U:150.25V I:0.0741A P:6.0571W PF:0.5442 Freq:50.00Hz Lamp Flux:322.173x1 lm		
NAME: 6464	TYPE:2*3W-2700K	WEIGHT:
SPEC.:	DIM.: 95*47*123mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Flux out:181.5 lm



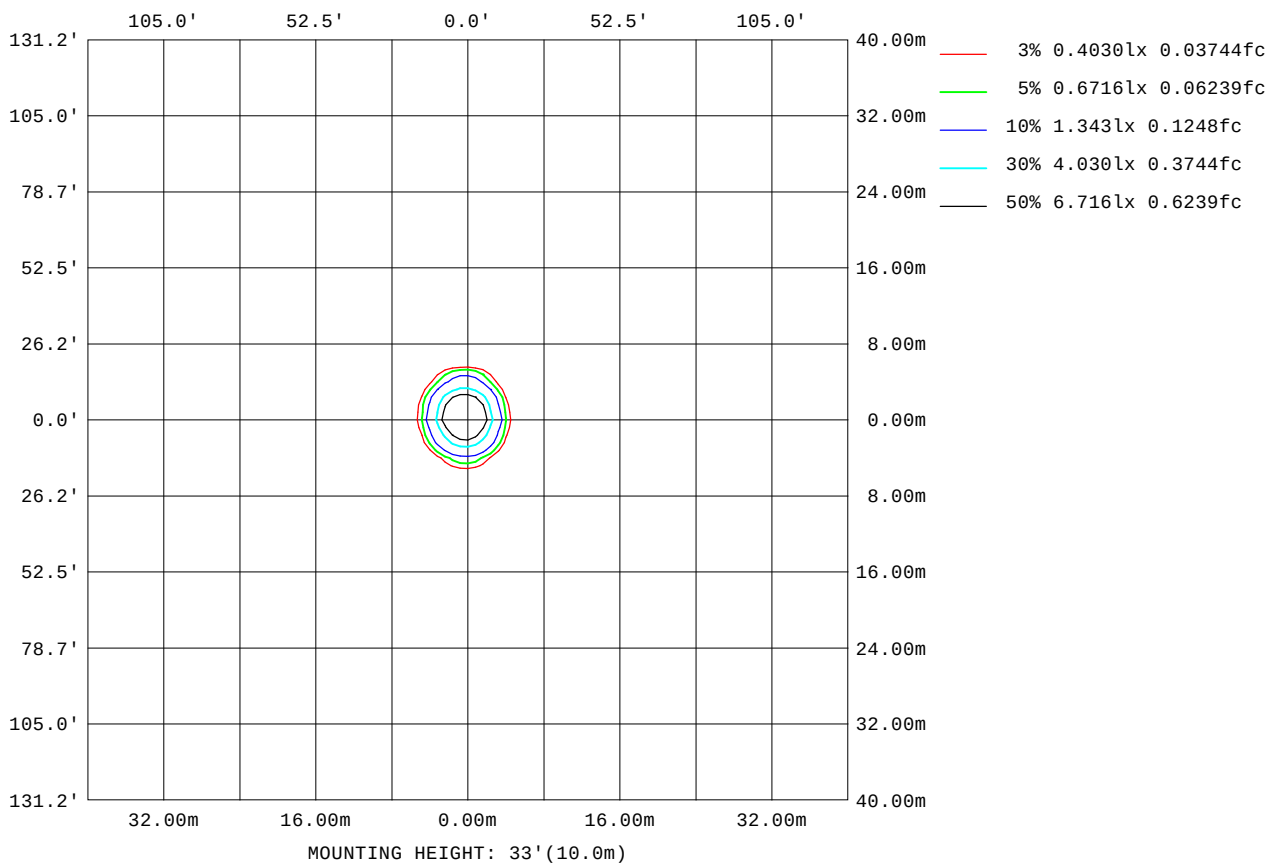
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-09

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:150.25V I:0.0741A P:6.0571W PF:0.5442 Freq:50.00Hz Lamp Flux:322.173x1 lm		
NAME: 6464	TYPE: 2*3W-2700K	WEIGHT:
SPEC.:	DIM.: 95*47*123mm	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: 2026-09-09

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:150.25V I:0.0741A P:6.0571W PF:0.5442 Freq:50.00Hz Lamp Flux:322.173x1 lm		
NAME: 6464	TYPE:2*3W-2700K	WEIGHT:
SPEC.:	DIM.: 95*47*123mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

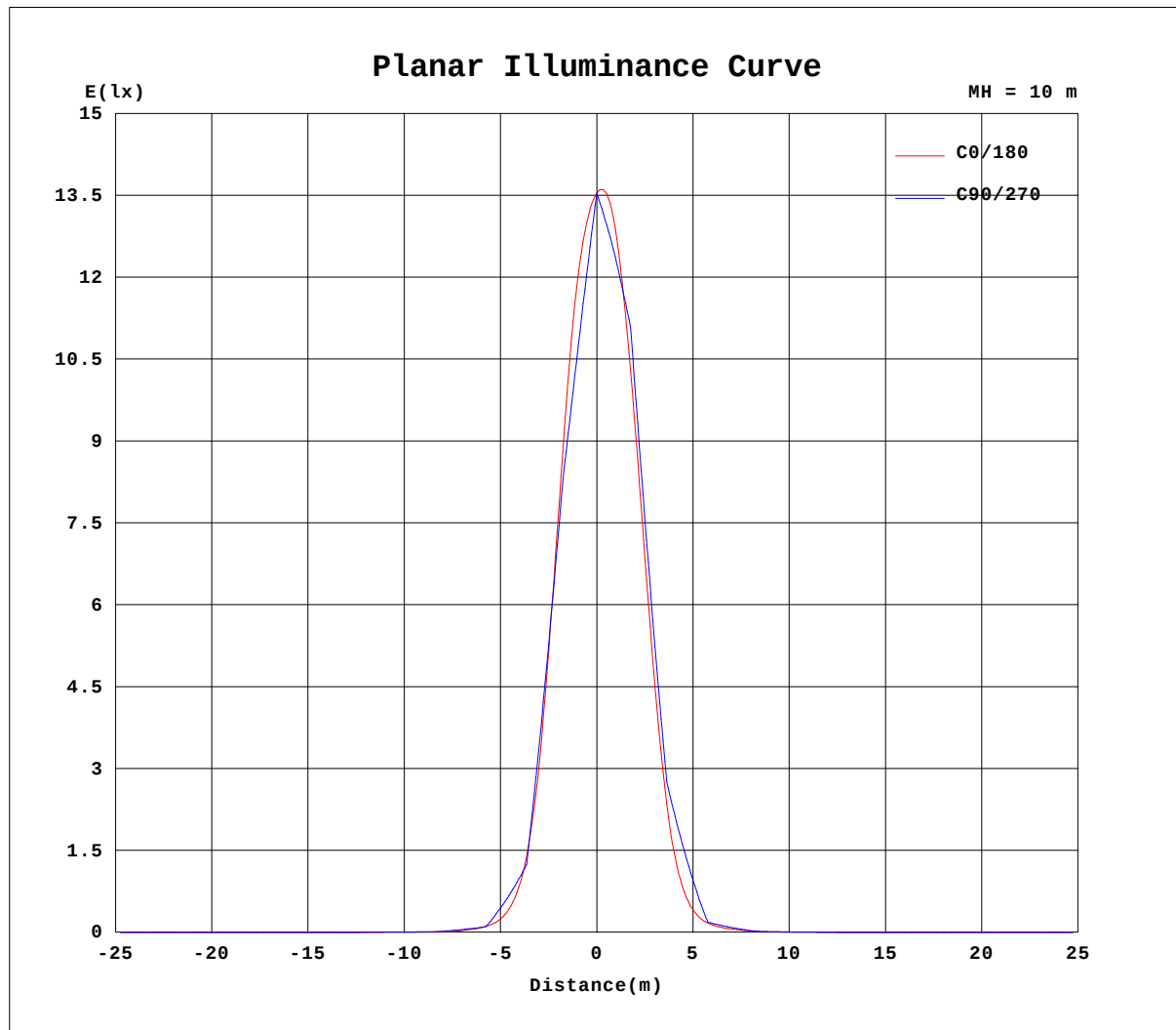
AvgL	cd/m2
L_0~180(65)av	33
L_0~180(75)av	47
L_0~180(85)av	130
L_90~270(65)av	34
L_90~270(75)av	45
L_90~270(85)av	0
L_45(65)av	27
L_45(75)av	43
L_45(85)av	47

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [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: 2026-09-09

$V(B)$ Range: -80 - 80DEG
 $V(B)$ Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:150.25V I:0.0741A P:6.0571W PF:0.5442 Freq:50.00Hz Lamp Flux:322.173x1 lm		
NAME: 6464	TYPE: 2*3W-2700K	WEIGHT:
SPEC.:	DIM.: 95*47*123mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Table - -3

UNIT: cd

[illegible]

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-09

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:7.200m [K=1.0000]
Remarks:

