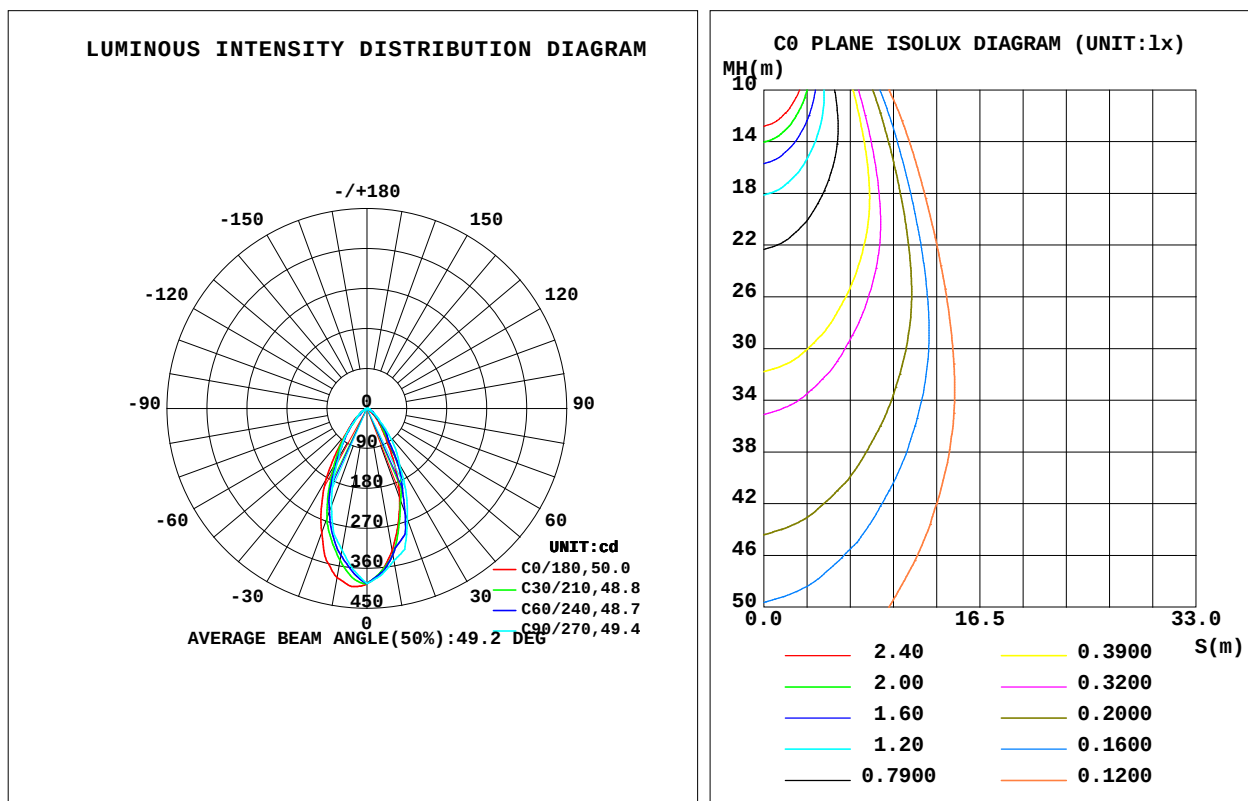


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.32V I:0.0481A P:4.8835W PF:0.4608 Freq:50.00Hz Lamp Flux:315.991x1 lm		
NAME: 90057	TYPE:5W-3000K	WEIGHT:
SPEC.:	DIM.: 157*82*308mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 64.71 lm/W			
MODEL		I _{max} (cd)	401.9	S/MH(C0/180)	0.88
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.72
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	315.99	h UP, DN(C0-180)	0.0,51.8
NOMINAL FLUX(lm)	315.991	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,48.2
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	h down(%)	100.0	CIBSE SHR MAX	0.80



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-11

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:7.500m [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	325.5	332.2	348.3	358.2	386.9	341.1	323.6	316.3	0- 10	34.60	34.60	10.9, 10.9
20	215.9	251.6	265.8	282.1	298.1	248.9	234.2	224.8	10- 20	83.14	117.7	37.3, 37.3
30	100.6	129.0	147.1	167.2	184.4	146.7	126.1	115.0	20- 30	87.77	205.5	65, 65
40	43.29	51.16	76.58	71.62	73.92	62.89	67.20	48.39	30- 40	59.02	264.5	83.7, 83.7
50	12.96	24.06	30.31	33.73	30.12	29.11	27.84	22.21	40- 50	31.54	296.1	93.7, 93.7
60	2.091	9.343	8.267	13.34	5.848	11.64	7.973	8.141	50- 60	14.09	310.2	98.2, 98.2
70	0.7873	1.520	3.479	2.608	1.327	1.975	3.400	1.299	60- 70	4.381	314.5	99.5, 99.5
80	0.6820	0.5755	0	0.6457	0.8262	0.5381	0	0.4941	70- 80	1.256	315.8	99.9, 99.9
90	0.6530	0	0	0	0.6721	0	0	0	80- 90	0.1959	316.0	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): 283.15 lm

%lum = 89.6%

%lamp = 89.6%

Conical surface Flux(120deg): 310.16 lm

%lum = 98.2%

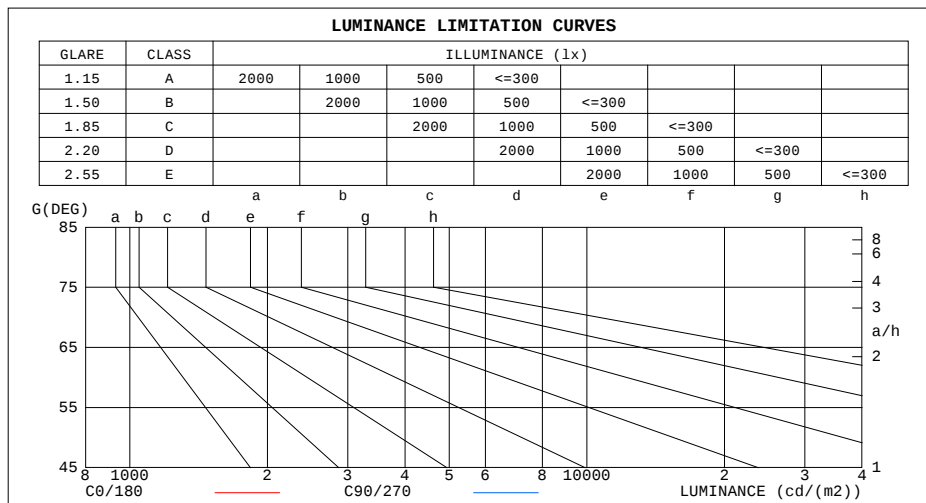
%lamp = 98.2%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-11

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:7.500m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.32V I:0.0481A P:4.8835W PF:0.4608 Freq:50.00Hz Lamp Flux:315.991x1 lm		
NAME: 90057	TYPE:5W-3000K	WEIGHT:
SPEC.:	DIM.: 157*82*308mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	75	0
80	39	0
75	29	42
70	23	102
65	28	145
60	42	165
55	101	344
50	202	472
45	405	594

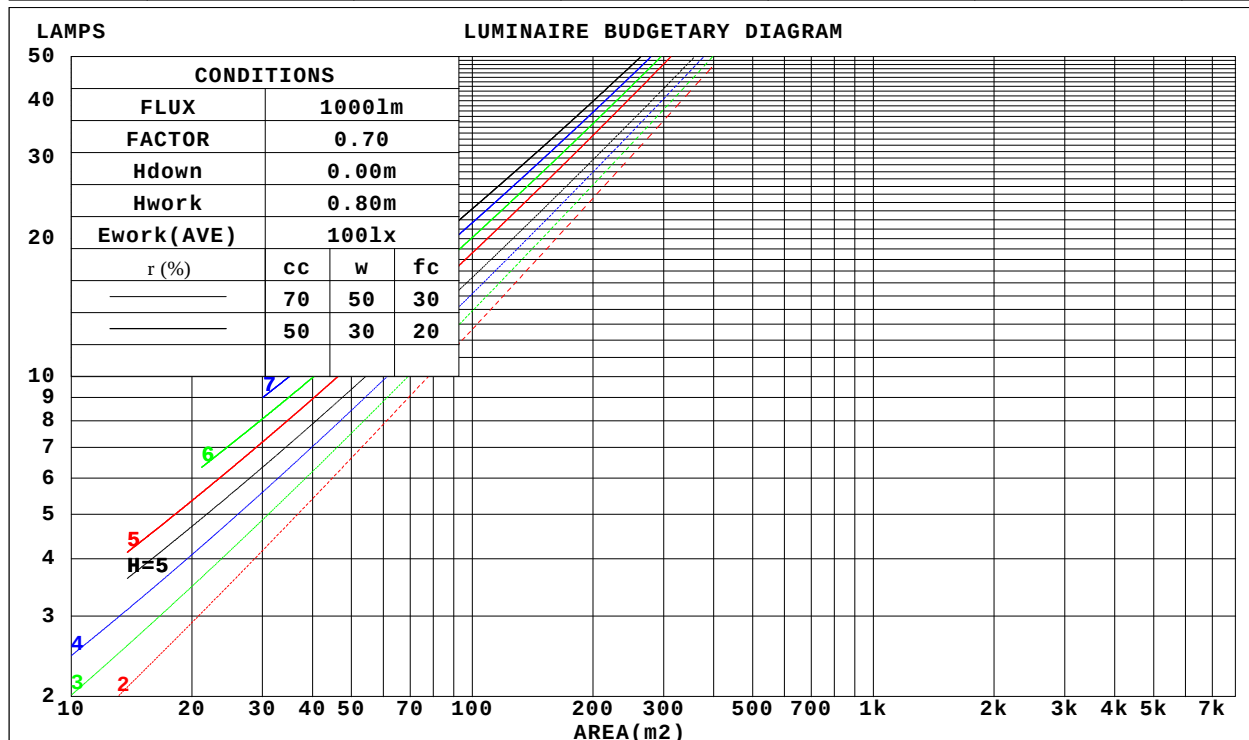
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-11

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: 7.500m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.32V I:0.0481A P:4.8835W PF:0.4608 Freq:50.00Hz Lamp Flux:315.991x1 lm		
NAME: 90057	TYPE:5W-3000K	WEIGHT:
SPEC.:	DIM.: 157*82*308mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°

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	1.07	1.05	1.08	1.06	1.03	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.94	.93
2.0	1.02	.97	.94	1.00	.96	.93	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.83	.88	.84	.81	.85	.83	.80	.78
4.0	.88	.82	.77	.86	.81	.77	.84	.80	.76	.82	.78	.75	.80	.77	.74	.72
5.0	.82	.75	.71	.81	.75	.71	.79	.74	.70	.77	.73	.69	.76	.72	.69	.67
6.0	.76	.70	.65	.75	.70	.65	.74	.69	.65	.72	.68	.64	.71	.67	.64	.62
7.0	.71	.65	.61	.71	.65	.61	.69	.64	.60	.68	.63	.60	.67	.63	.60	.58
8.0	.67	.61	.57	.67	.61	.56	.65	.60	.56	.64	.60	.56	.63	.59	.56	.54
9.0	.63	.57	.53	.63	.57	.53	.62	.56	.53	.61	.56	.53	.60	.56	.52	.51
10.0	.60	.54	.50	.59	.54	.50	.59	.53	.50	.58	.53	.49	.57	.53	.49	.48



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-11

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: 7.500m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.32V I:0.0481A P:4.8835W PF:0.4608 Freq:50.00Hz Lamp Flux:315.991x1 lm					
NAME: 90057			TYPE:5W-3000K		WEIGHT:
SPEC.:			DIM.: 157*82*308mm		SERIAL No.:01
MFR.: NORDECOR			SUR.:		Shielding Angle:50°

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	.190	.108	.034	.183	.104	.033	.170	.098	.031	.159	.092	.029	.148	.086	.028	
2.0	.183	.100	.031	.177	.098	.030	.167	.093	.029	.157	.088	.028	.148	.083	.026	
3.0	.174	.093	.028	.170	.091	.027	.160	.087	.026	.152	.083	.026	.144	.080	.025	
4.0	.166	.086	.025	.162	.085	.025	.154	.081	.024	.146	.079	.024	.139	.076	.023	
5.0	.158	.080	.023	.154	.079	.023	.147	.077	.023	.140	.074	.022	.134	.072	.022	
6.0	.150	.075	.022	.147	.074	.021	.140	.072	.021	.135	.070	.021	.129	.068	.020	
7.0	.143	.071	.020	.140	.070	.020	.134	.068	.020	.129	.066	.019	.124	.065	.019	
8.0	.136	.066	.019	.133	.066	.019	.129	.064	.018	.124	.063	.018	.120	.061	.018	
9.0	.130	.063	.018	.128	.062	.017	.123	.061	.017	.119	.060	.017	.115	.058	.017	
10.0	.124	.060	.017	.122	.059	.016	.118	.058	.016	.114	.057	.016	.111	.056	.016	

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	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.158	.132	.111	.135	.114	.096	.093	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.146	.114	.088	.125	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.136	.099	.071	.117	.086	.061	.080	.060	.043	.047	.035	.026	.015	.011	.008	
5.0	.128	.088	.058	.110	.076	.050	.076	.053	.036	.044	.031	.021	.014	.010	.007	
6.0	.121	.079	.048	.104	.068	.042	.072	.048	.030	.042	.028	.018	.013	.009	.006	
7.0	.114	.071	.041	.098	.062	.036	.068	.043	.025	.039	.025	.015	.013	.008	.005	
8.0	.108	.065	.035	.093	.056	.031	.065	.040	.022	.038	.023	.013	.012	.008	.004	
9.0	.103	.060	.030	.089	.052	.027	.062	.036	.019	.036	.022	.011	.012	.007	.004	
10.0	.099	.055	.027	.085	.048	.023	.059	.034	.017	.034	.020	.010	.011	.007	.003	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-11

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: 7.500m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.32V I:0.0481A P:4.8835W PF:0.4608 Freq:50.00Hz Lamp Flux:315.991x1 lm											
NAME: 90057						TYPE:5W-3000K			WEIGHT:		
SPEC.:						DIM.: 157*82*308mm			SERIAL No.:01		
MFR.: NORDECOR						SUR.:			Shielding Angle:50°		
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	8.4	9.4	8.6	9.6	9.7	10.6	11.6	10.9	11.8	12.0	
	3H	8.2	9.1	8.5	9.3	9.5	10.6	11.6	10.9	11.8	12.0
	4H	8.1	9.0	8.4	9.2	9.5	10.6	11.5	10.9	11.7	11.9
	6H	8.1	8.9	8.4	9.1	9.4	10.5	11.3	10.8	11.6	11.8
	8H	8.0	8.8	8.3	9.1	9.4	10.4	11.2	10.8	11.5	11.8
	12H	8.0	8.8	8.4	9.1	9.3	10.4	11.2	10.7	11.4	11.7
4H	2H	8.4	9.3	8.7	9.5	9.7	10.5	11.4	10.8	11.6	11.8
	3H	8.2	9.0	8.6	9.3	9.5	10.6	11.3	10.9	11.6	11.9
	4H	8.2	8.8	8.5	9.2	9.5	10.5	11.2	10.9	11.5	11.8
	6H	8.1	8.7	8.5	9.0	9.4	10.4	11.0	10.8	11.4	11.7
	8H	8.1	8.7	8.5	9.0	9.4	10.4	11.0	10.8	11.3	11.7
	12H	8.1	8.6	8.5	9.0	9.4	10.3	10.9	10.8	11.2	11.6
8H	4H	8.1	8.6	8.5	9.0	9.3	10.4	11.0	10.8	11.3	11.7
	6H	8.0	8.5	8.5	8.9	9.3	10.3	10.8	10.7	11.2	11.6
	8H	8.0	8.4	8.5	8.9	9.3	10.3	10.7	10.7	11.1	11.5
	12H	8.1	8.4	8.6	8.9	9.3	10.2	10.6	10.7	11.0	11.5
12H	4H	8.0	8.5	8.4	8.9	9.3	10.4	10.9	10.8	11.2	11.6
	6H	8.0	8.4	8.4	8.8	9.2	10.3	10.7	10.7	11.1	11.5
	8H	8.0	8.3	8.5	8.8	9.2	10.2	10.6	10.7	11.0	11.5
Variations with the observer position at spacings:											
S = 1.0H	+ 2.3 / - 5.6					+ 2.3 / - 3.0					
1.5H	+ 2.2 / - 4.0					+ 3.4 / - 2.3					
2.0H	+ 4.4 / - 7.0					+ 3.4 / - 4.6					

CIE Pub.117, 316.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.0)
Area: 0.1 m2

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-11

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: 7.500m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.32V I:0.0481A P:4.8835W PF:0.4608 Freq:50.00Hz Lamp Flux:315.991x1 lm		
NAME: 90057	TYPE:5W-3000K	WEIGHT:
SPEC.:	DIM.: 157*82*308mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°

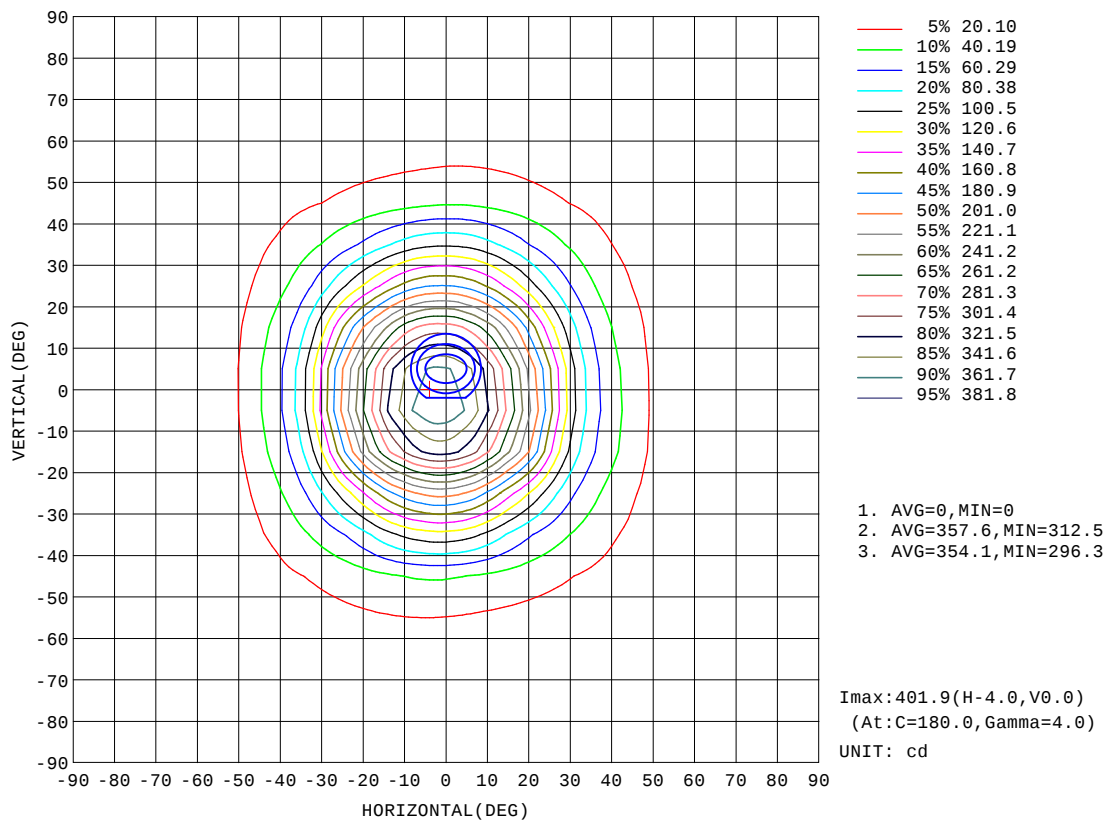
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	81	74	69	81	73	69	80	73	69	65
0.80	90	83	78	89	82	78	87	82	78	73
1.00	95	89	84	94	88	84	93	88	84	79
1.25	100	94	90	99	93	89	97	92	89	84
1.50	103	98	94	102	97	93	100	95	92	87
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	107	103	109	105	102	105	102	100	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	111	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:2026-08-11

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:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.32V I:0.0481A P:4.8835W PF:0.4608 Freq:50.00Hz Lamp Flux:315.991x1 lm		
NAME: 90057	TYPE:5W-3000K	WEIGHT:
SPEC.:	DIM.: 157*82*308mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°



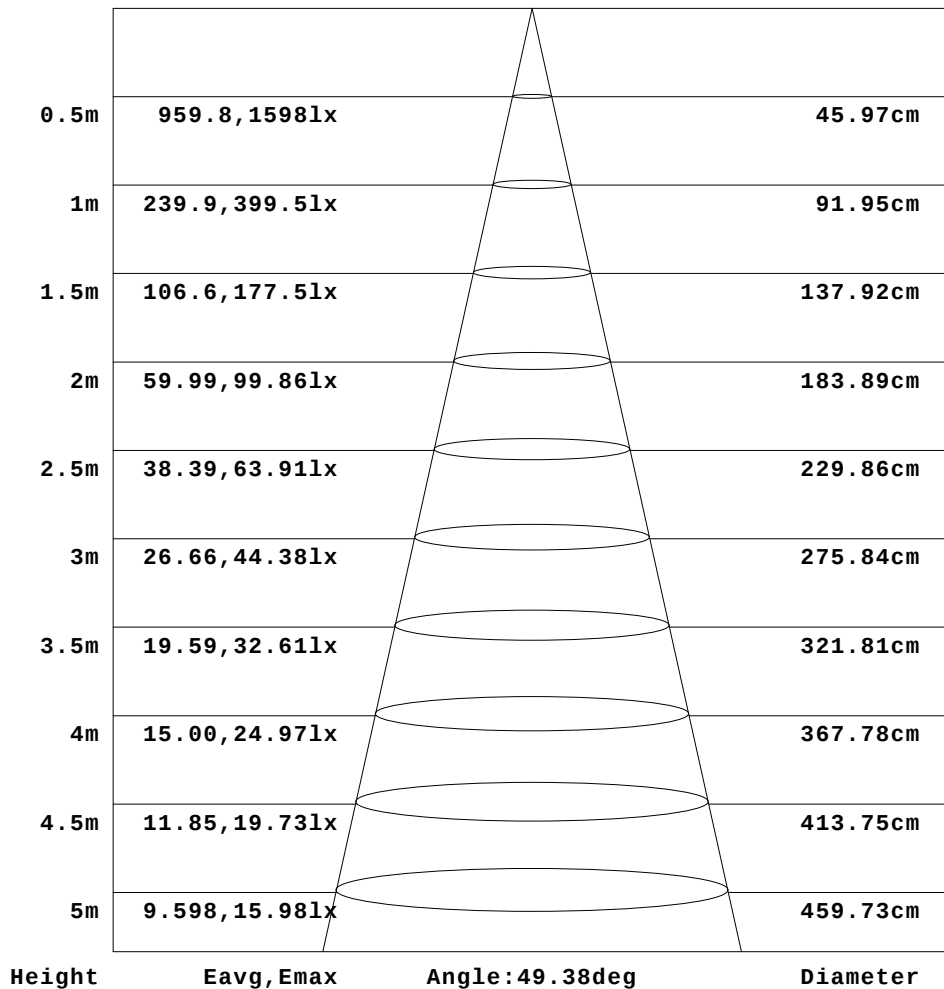
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-11

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:7.500m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.32V I:0.0481A P:4.8835W PF:0.4608 Freq:50.00Hz Lamp Flux:315.991x1 lm		
NAME: 90057	TYPE:5W-3000K	WEIGHT:
SPEC.:	DIM.: 157*82*308mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°

Flux out:163.9 lm



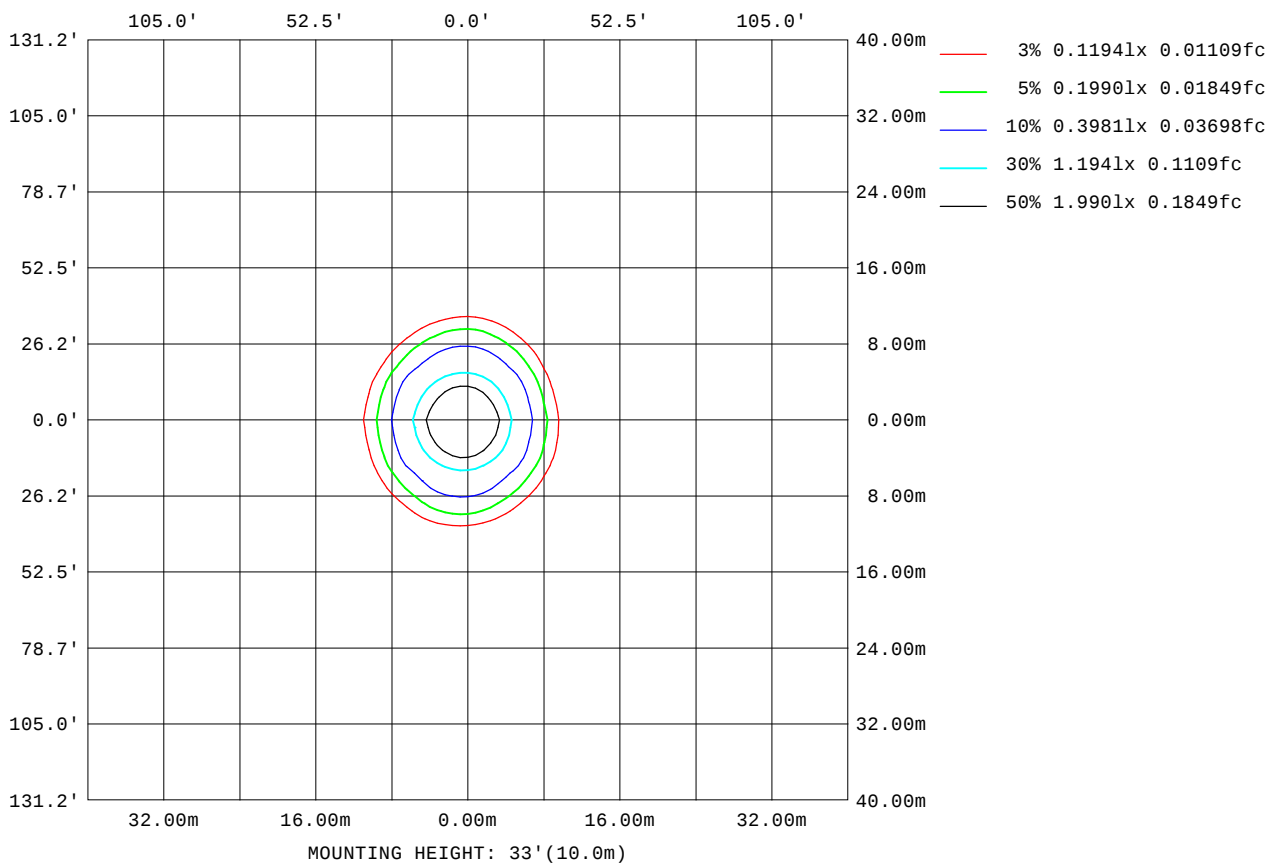
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-11

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:7.500m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.32V I:0.0481A P:4.8835W PF:0.4608 Freq:50.00Hz Lamp Flux:315.991x1 lm		
NAME: 90057	TYPE:5W-3000K	WEIGHT:
SPEC.:	DIM.: 157*82*308mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-11

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: 7.500m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.32V I:0.0481A P:4.8835W PF:0.4608 Freq:50.00Hz Lamp Flux:315.991x1 lm		
NAME: 90057	TYPE:5W-3000K	WEIGHT:
SPEC.:	DIM.: 157*82*308mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°

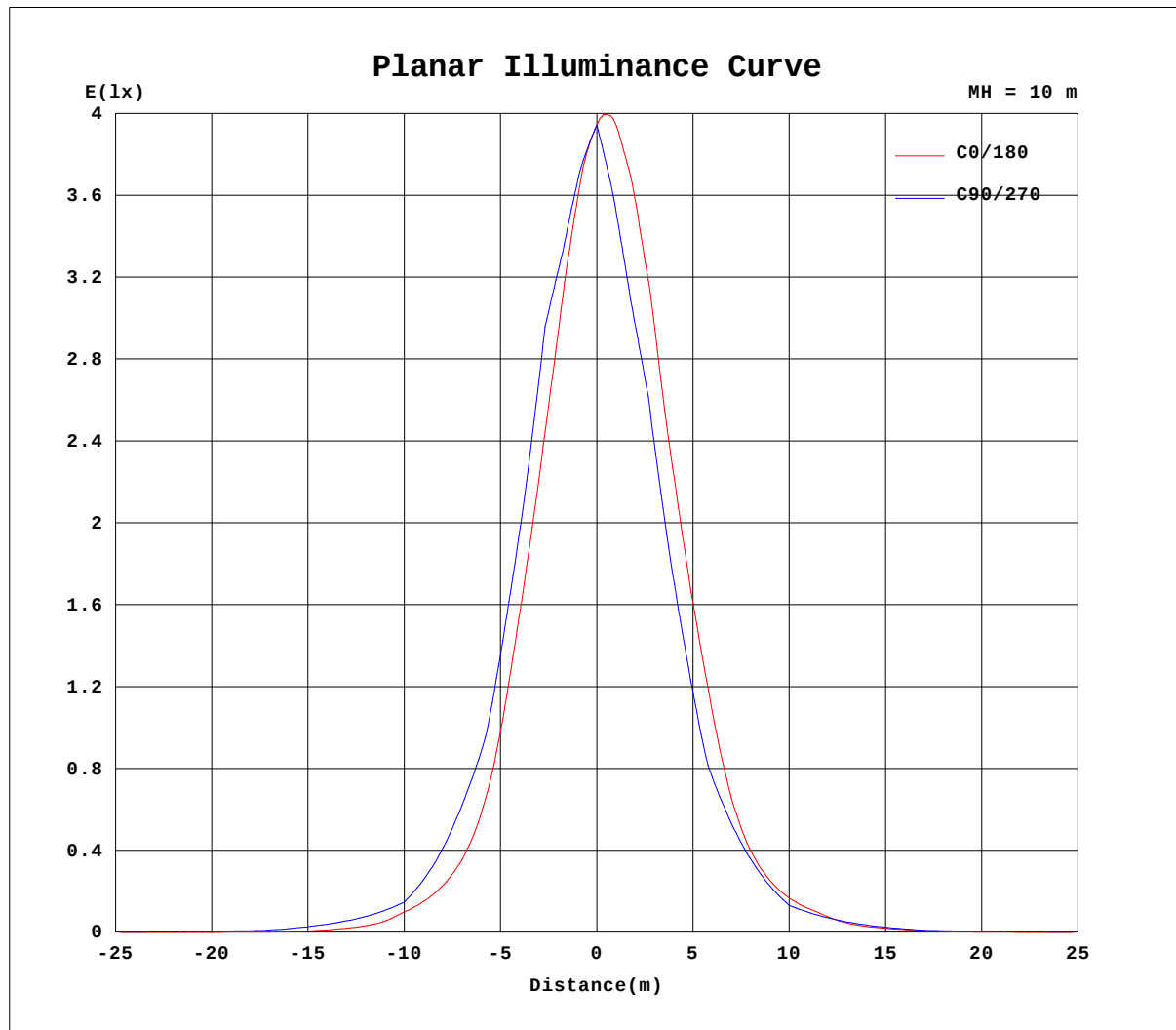
AvgL	cd/m2
L_0~180(65)av	41
L_0~180(75)av	32
L_0~180(85)av	80
L_90~270(65)av	138
L_90~270(75)av	42
L_90~270(85)av	0
L_45(65)av	118
L_45(75)av	44
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-11

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:7.500m [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: 2026-08-11

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: 7.500m [K=1.0000]
Remarks:

