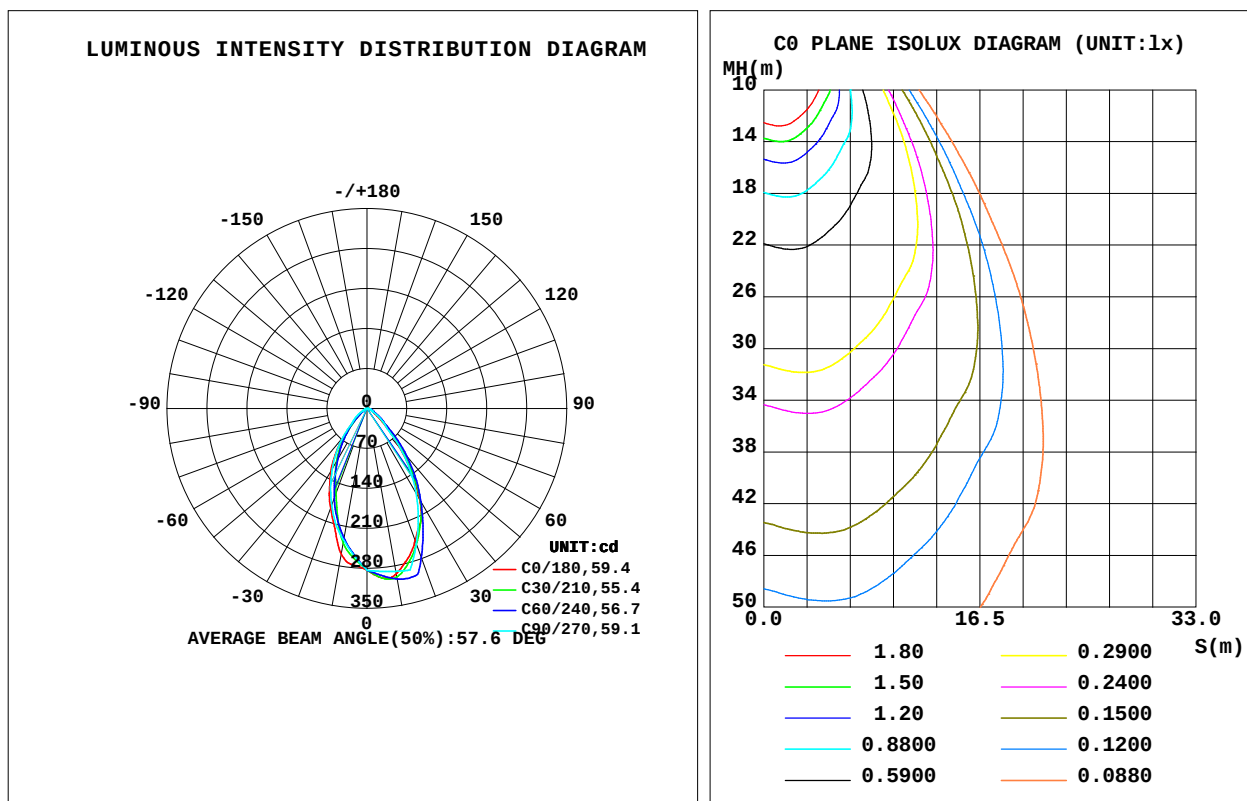


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.25V I:0.0502A P:5.3197W PF:0.4813 Freq:50.00Hz Lamp Flux:316.899x1 lm					
NAME: 80080		TYPE:6W-3000K		WEIGHT:	
SPEC.:		DIM.: 177*72*670mm		SERIAL No.:01	
MFR.: NORDECOR		SUR.:		Shielding Angle:50°	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 59.57 lm/W
MODEL		I _{max} (cd)	307.4	S/MH(C0/180)	0.80	
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	0.78	
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	316.90	h UP, DN(C0-180)	0.0,55.2	
NOMINAL FLUX(lm)	316.899	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,44.8	
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	220	h down(%)	100.0	CIBSE SHR MAX	0.95	



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-12

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:8.200m [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	294.2	303.2	289.5	272.0	259.3	234.1	234.8	264.2	0- 10	26.25	26.25	8.28, 8.28
20	246.6	272.0	252.9	223.7	186.2	159.6	180.9	221.1	10- 20	68.73	94.98	30, 30
30	185.1	184.4	173.2	145.2	126.5	100.3	121.3	159.5	20- 30	84.05	179.0	56.5, 56.5
40	89.49	103.4	91.26	75.26	62.87	51.58	65.53	87.90	30- 40	70.97	250.0	78.9, 78.9
50	32.39	43.24	37.37	27.50	20.73	19.55	28.13	36.33	40- 50	38.61	288.6	91.1, 91.1
60	12.81	17.40	11.51	9.014	6.082	6.729	9.132	14.07	50- 60	17.13	305.7	96.5, 96.5
70	5.517	8.052	6.231	3.359	2.538	2.855	4.460	5.597	60- 70	7.313	313.1	98.8, 98.8
80	2.822	3.803	0	1.603	0.9777	1.226	0	1.484	70- 80	3.392	316.4	99.9, 99.9
90	0.6199	0	0	0	0.6314	0	0	0	80- 90	0.4509	316.9	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): 273.28 lm

%lum = 86.2%

%lamp = 86.2%

Conical surface Flux(120deg): 305.74 lm

%lum = 96.5%

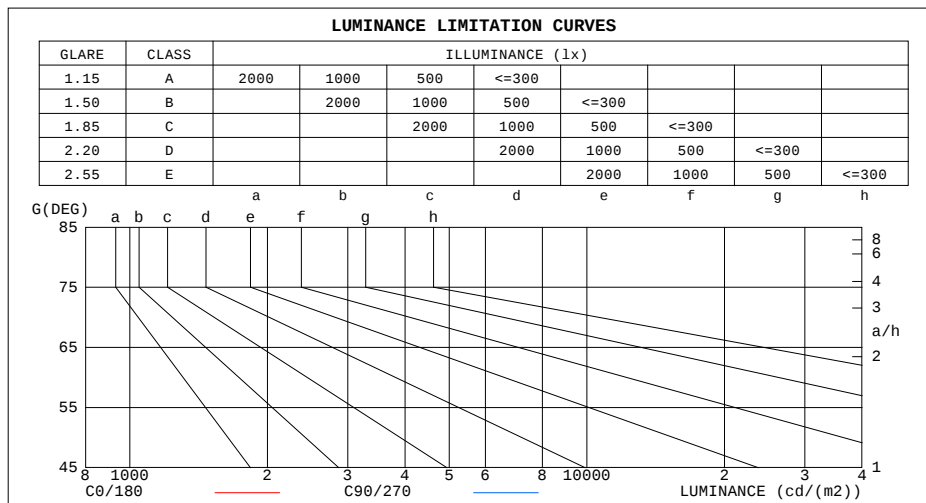
%lamp = 96.5%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-12

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:8.200m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.25V I:0.0502A P:5.3197W PF:0.4813 Freq:50.00Hz Lamp Flux:316.899x1 lm		
NAME: 80080	TYPE:6W-3000K	WEIGHT:
SPEC.:	DIM.: 177*72*670mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	72	0
80	163	0
75	150	139
70	161	182
65	200	210
60	256	230
55	349	426
50	504	581
45	773	711

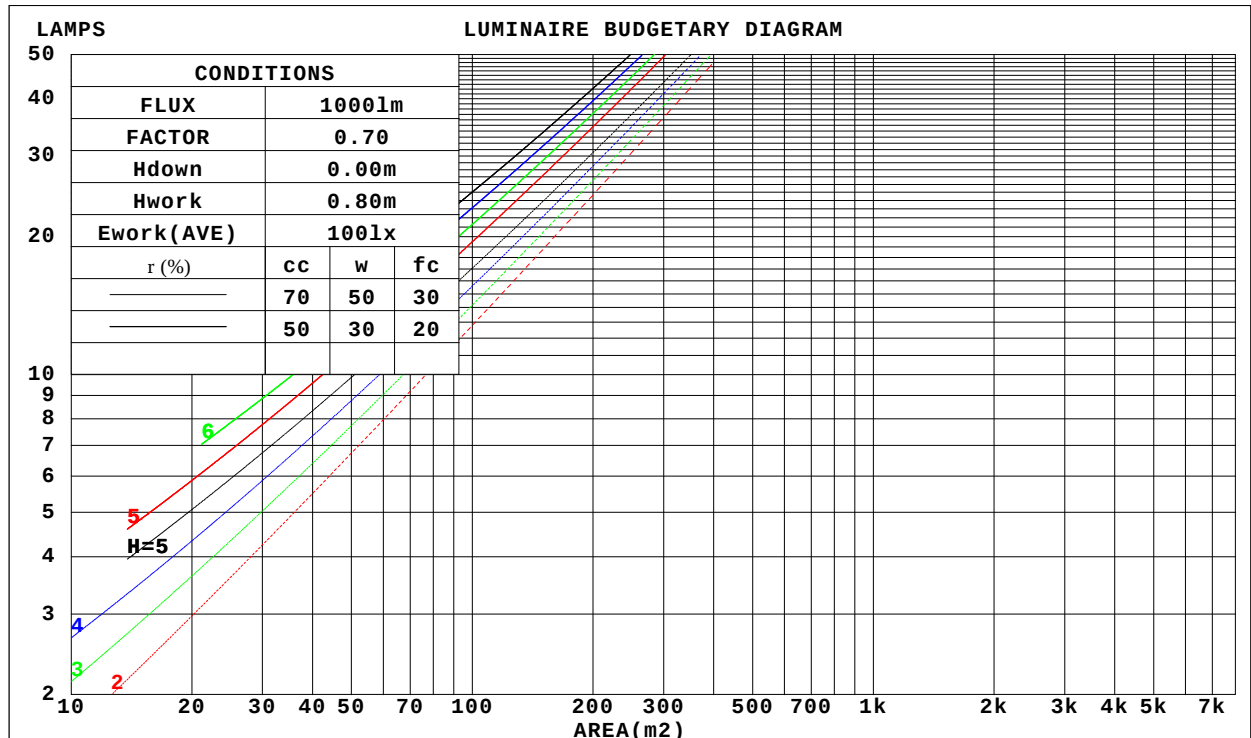
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-12

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: 8.200m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.25V I:0.0502A P:5.3197W PF:0.4813 Freq:50.00Hz Lamp Flux:316.899x1 lm		
NAME: 80080	TYPE:6W-3000K	WEIGHT:
SPEC.:	DIM.: 177*72*670mm	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	1.09	1.06	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.98	.96	.96	.95	.93	.91
2.0	1.00	.96	.92	.98	.94	.91	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.92	.86	.82	.91	.85	.81	.88	.83	.80	.85	.82	.78	.83	.80	.77	.75
4.0	.85	.78	.74	.84	.78	.73	.81	.76	.72	.79	.75	.71	.77	.74	.71	.69
5.0	.78	.72	.67	.77	.71	.66	.76	.70	.66	.74	.69	.65	.72	.68	.65	.63
6.0	.73	.66	.61	.72	.66	.61	.70	.65	.60	.69	.64	.60	.67	.63	.60	.58
7.0	.68	.61	.56	.67	.61	.56	.66	.60	.56	.64	.59	.55	.63	.59	.55	.53
8.0	.63	.56	.52	.63	.56	.52	.61	.56	.52	.60	.55	.51	.59	.55	.51	.50
9.0	.59	.53	.48	.59	.52	.48	.58	.52	.48	.57	.51	.48	.56	.51	.48	.46
10.0	.56	.49	.45	.55	.49	.45	.54	.49	.45	.53	.48	.45	.53	.48	.44	.43



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-12

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: 8.200m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.25V I:0.0502A P:5.3197W PF:0.4813 Freq:50.00Hz Lamp Flux:316.899x1 lm					
NAME: 80080			TYPE:6W-3000K		WEIGHT:
SPEC.:			DIM.: 177*72*670mm		SERIAL No.:01
MFR.: NORDECOR			SUR.:		Shielding Angle:50°

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 Wall Exitance Coefficients(WEC)															
0.0																
1.0	.205	.117	.037	.198	.113	.036	.186	.107	.034	.174	.100	.032	.163	.095	.031	
2.0	.198	.109	.033	.192	.106	.033	.182	.101	.031	.172	.096	.030	.162	.092	.029	
3.0	.189	.100	.030	.184	.098	.030	.174	.095	.029	.166	.091	.028	.158	.087	.027	
4.0	.179	.093	.027	.175	.091	.027	.167	.088	.026	.159	.085	.026	.152	.083	.025	
5.0	.170	.087	.025	.166	.085	.025	.159	.083	.024	.152	.080	.024	.146	.078	.023	
6.0	.161	.081	.023	.158	.080	.023	.152	.078	.023	.146	.076	.022	.140	.074	.022	
7.0	.153	.076	.021	.150	.075	.021	.145	.073	.021	.139	.071	.021	.134	.070	.021	
8.0	.146	.071	.020	.143	.070	.020	.138	.069	.020	.133	.068	.019	.129	.066	.019	
9.0	.139	.067	.019	.136	.066	.019	.132	.065	.018	.128	.064	.018	.124	.063	.018	
10.0	.132	.064	.018	.130	.063	.018	.126	.062	.017	.122	.061	.017	.119	.060	.017	

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	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.095	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.149	.114	.086	.128	.098	.074	.088	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.140	.099	.069	.120	.086	.060	.082	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.132	.088	.056	.113	.076	.049	.078	.053	.034	.045	.031	.020	.015	.010	.007	
6.0	.124	.079	.047	.107	.069	.041	.074	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.118	.072	.039	.102	.062	.034	.070	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.112	.066	.034	.097	.057	.029	.067	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.107	.061	.029	.092	.053	.026	.064	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.103	.056	.026	.088	.049	.023	.061	.034	.016	.036	.020	.010	.012	.007	.003	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-12

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: 8.200m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.25V I:0.0502A P:5.3197W PF:0.4813 Freq:50.00Hz Lamp Flux:316.899x1 lm										
NAME: 80080					TYPE:6W-3000K			WEIGHT:		
SPEC.:					DIM.: 177*72*670mm			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	13.0	14.1	13.3	14.3	14.5	13.8	15.0	14.1	15.1	15.3
3H	13.2	14.2	13.4	14.4	14.6	14.0	15.1	14.3	15.3	15.5
4H	13.2	14.2	13.5	14.4	14.6	14.1	15.1	14.4	15.3	15.5
6H	13.3	14.2	13.6	14.4	14.7	14.0	14.9	14.3	15.2	15.4
8H	13.3	14.1	13.6	14.4	14.7	14.0	14.9	14.3	15.1	15.4
12H	13.3	14.1	13.6	14.4	14.7	13.9	14.8	14.3	15.0	15.3
4H 2H	13.1	14.1	13.4	14.3	14.5	13.8	14.8	14.1	15.0	15.3
3H	13.4	14.2	13.7	14.5	14.7	14.2	15.0	14.5	15.3	15.6
4H	13.5	14.3	13.9	14.6	14.9	14.3	15.1	14.7	15.4	15.7
6H	13.7	14.3	14.1	14.7	15.0	14.3	14.9	14.7	15.3	15.6
8H	13.8	14.4	14.2	14.7	15.1	14.2	14.8	14.6	15.2	15.6
12H	13.8	14.3	14.2	14.7	15.1	14.2	14.7	14.6	15.1	15.5
8H 4H	13.6	14.2	14.0	14.6	14.9	14.4	15.0	14.8	15.3	15.7
6H	13.9	14.4	14.4	14.8	15.3	14.4	14.9	14.8	15.2	15.7
8H	14.1	14.6	14.6	15.0	15.4	14.3	14.7	14.8	15.2	15.6
12H	14.2	14.6	14.7	15.0	15.5	14.3	14.6	14.7	15.1	15.5
12H 4H	13.6	14.1	14.0	14.5	14.9	14.4	14.9	14.8	15.3	15.7
6H	13.9	14.4	14.4	14.8	15.2	14.3	14.8	14.8	15.2	15.7
8H	14.1	14.5	14.6	14.9	15.4	14.3	14.7	14.8	15.1	15.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.3 / - 2.0					+ 1.4 / - 2.3				
1.5H	+ 1.8 / - 1.6					+ 2.0 / - 1.7				
2.0H	+ 2.3 / - 1.7					+ 2.0 / - 3.1				

CIE Pub.117, 316.9 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:2026-08-12

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:8.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.25V I:0.0502A P:5.3197W PF:0.4813 Freq:50.00Hz Lamp Flux:316.899x1 lm		
NAME: 80080	TYPE:6W-3000K	WEIGHT:
SPEC.:	DIM.: 177*72*670mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°

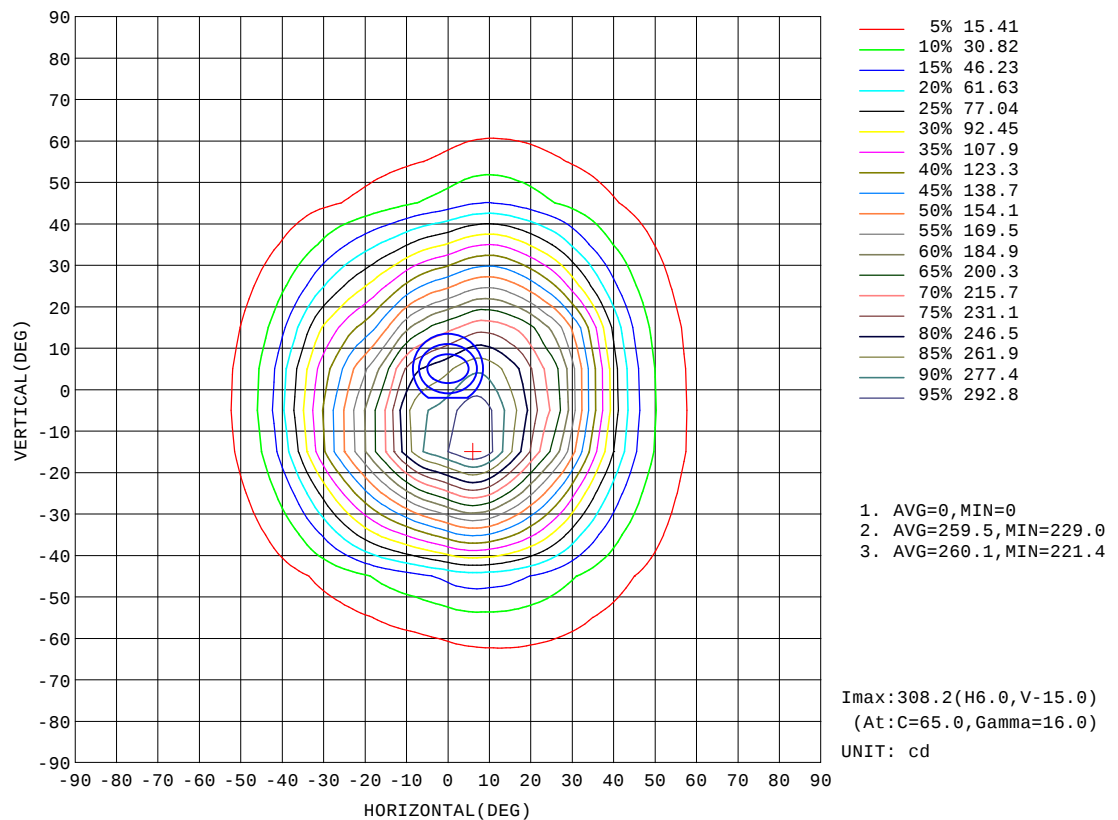
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	78	70	65	78	70	65	77	70	65	61
0.80	87	79	75	86	79	74	85	78	74	69
1.00	93	86	81	92	85	81	90	86	80	76
1.25	98	92	87	97	91	87	95	90	86	81
1.50	101	95	91	100	95	91	98	93	90	84
2.00	105	100	96	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	103	99	96	90
3.00	110	105	102	108	104	101	104	101	99	92
4.00	112	109	106	110	107	104	106	104	102	94
5.00	113	111	108	111	109	107	107	105	103	96
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:2026-08-12

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:8.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.25V I:0.0502A P:5.3197W PF:0.4813 Freq:50.00Hz Lamp Flux:316.899x1 lm		
NAME: 80080	TYPE:6W-3000K	WEIGHT:
SPEC.:	DIM.: 177*72*670mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°



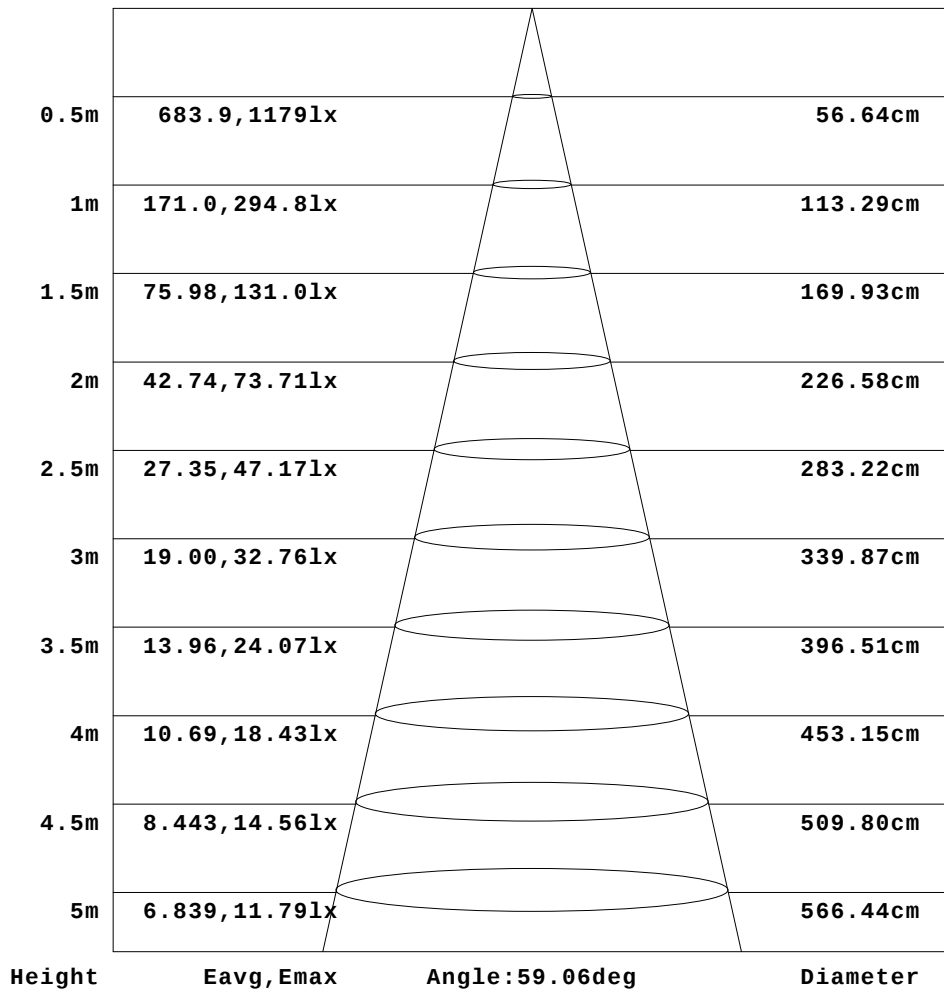
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-12

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:8.200m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.25V I:0.0502A P:5.3197W PF:0.4813 Freq:50.00Hz Lamp Flux:316.899x1 lm		
NAME: 80080	TYPE:6W-3000K	WEIGHT:
SPEC.:	DIM.: 177*72*670mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°

Flux out:179.0 lm



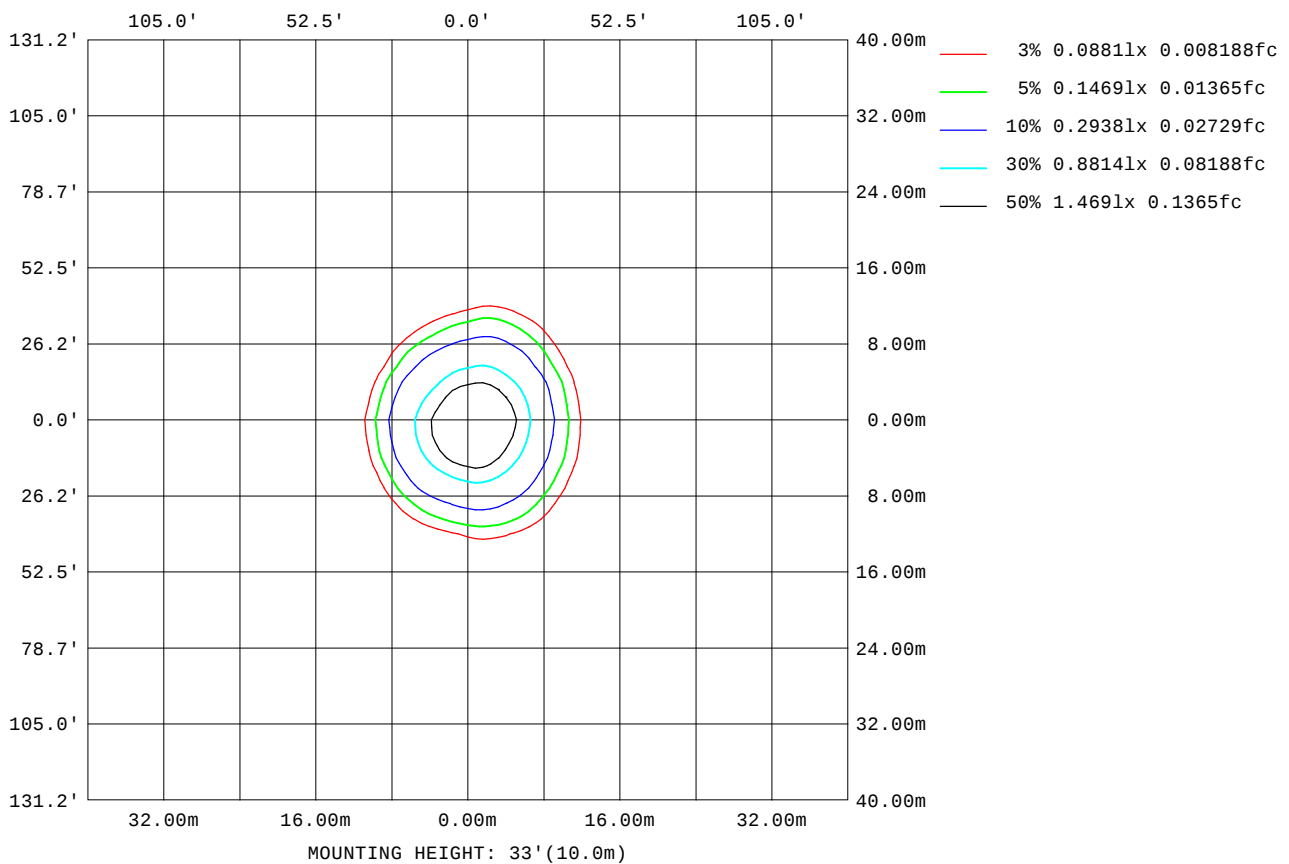
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-12

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: 8.200m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.25V I:0.0502A P:5.3197W PF:0.4813 Freq:50.00Hz Lamp Flux:316.899x1 lm		
NAME: 80080	TYPE:6W-3000K	WEIGHT:
SPEC.:	DIM.: 177*72*670mm	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: 2026-08-12

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: 8.200m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.25V I:0.0502A P:5.3197W PF:0.4813 Freq:50.00Hz Lamp Flux:316.899x1 lm		
NAME: 80080	TYPE:6W-3000K	WEIGHT:
SPEC.:	DIM.: 177*72*670mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:50°

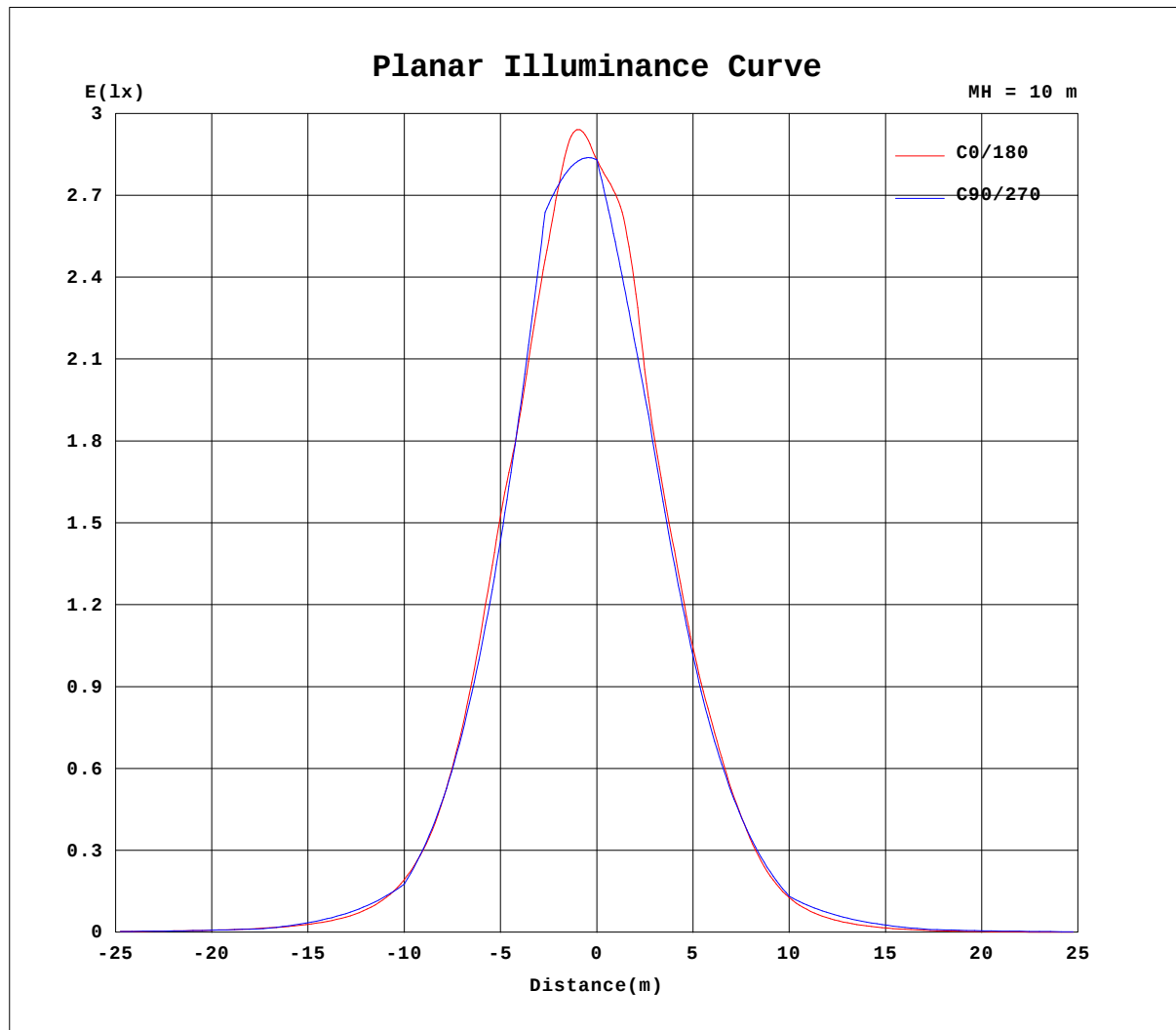
AvgL	cd/m2
L_0~180(65)av	144
L_0~180(75)av	112
L_0~180(85)av	74
L_90~270(65)av	185
L_90~270(75)av	110
L_90~270(85)av	0
L_45(65)av	179
L_45(75)av	140
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-12

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:8.200m [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: 2026-08-12

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: 8.200m [K=1.0000]
Remarks:

