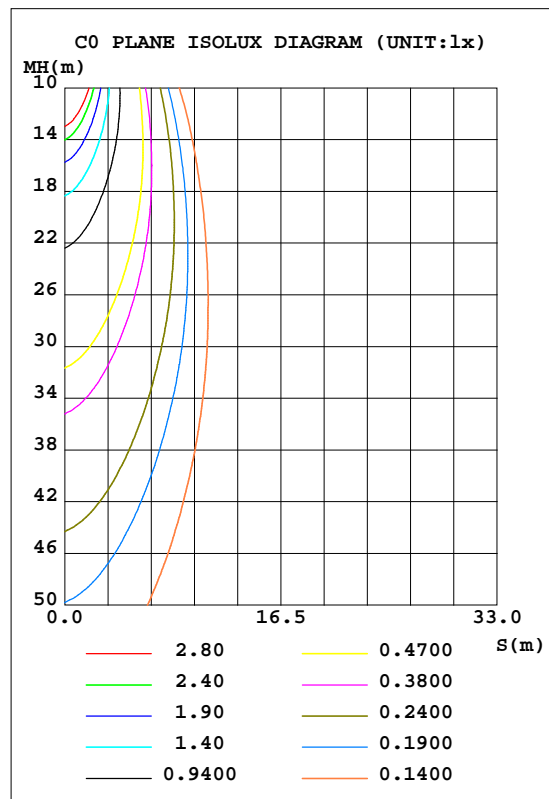
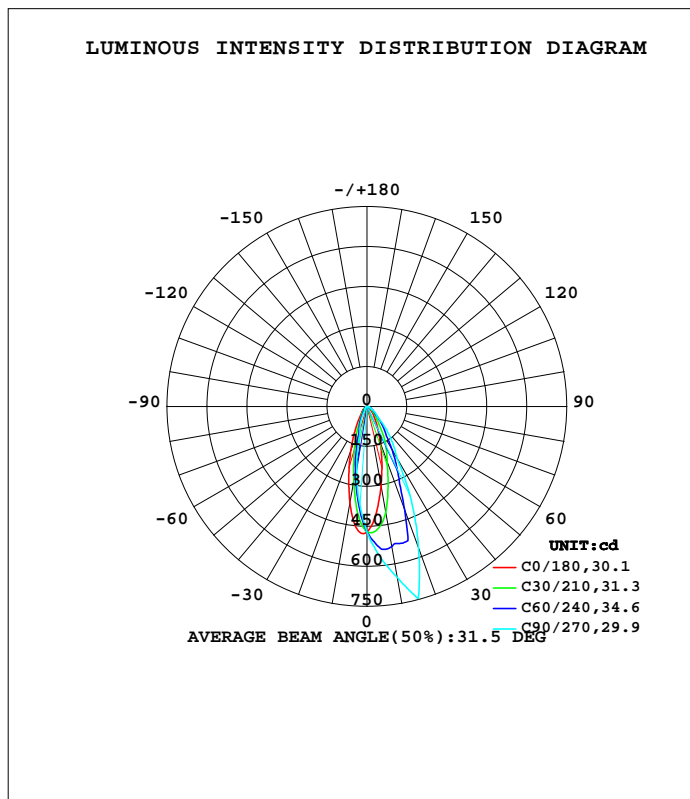


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6964	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.7 \times 9.4\text{CM} + 11.9 + 2.5 \times 1\text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.16 lm/W			
MODEL		I _{max} (cd)	745.9	S/MH(C0/180)	0.54
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)		TOTAL FLUX(lm)	288.65	h UP, DN(C0-180)	0.0,73.4
NOMINAL FLUX(lm)	288.652	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,26.6
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	0	h down(%)	100.0	CIBSE SHR MAX	0.55



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:NORDECOR
 Test Date:2025-08-09

V(β) Range:-75 - 75DEG
 V(β) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:5.000m [K=2.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	304.3	462.5	649.8	513.4	369.1	268.2	226.4	239.7	0- 10	40.07	40.07	13.9,13.9
20	150.7	334.3	567.9	345.2	179.8	93.70	76.00	81.53	10- 20	84.33	124.4	43.1,43.1
30	69.65	144.6	225.6	152.8	72.24	45.26	20.12	38.85	20- 30	70.51	194.9	67.5,67.5
40	35.31	66.25	114.0	62.96	32.58	21.62	13.06	13.07	30- 40	41.34	236.2	81.8,81.8
50	15.91	34.33	45.60	29.79	18.54	11.69	7.945	7.567	40- 50	23.59	259.8	90,90
60	6.765	19.08	20.43	16.44	10.45	6.569	4.781	5.007	50- 60	14.11	274.0	94.9,94.9
70	3.968	9.949	12.01	8.989	6.056	4.253	3.864	3.970	60- 70	8.615	282.6	97.9,97.9
80	3.099	4.094	0	4.432	3.878	2.415	0	2.657	70- 80	5.102	287.7	99.7,99.7
90	2.493	0	0	0	2.518	0	0	0	80- 90	0.9842	288.7	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): 249.83 lm

%lum = 86.6%
 %lamp = 86.6%

Conical surface Flux(120deg): 273.95 lm

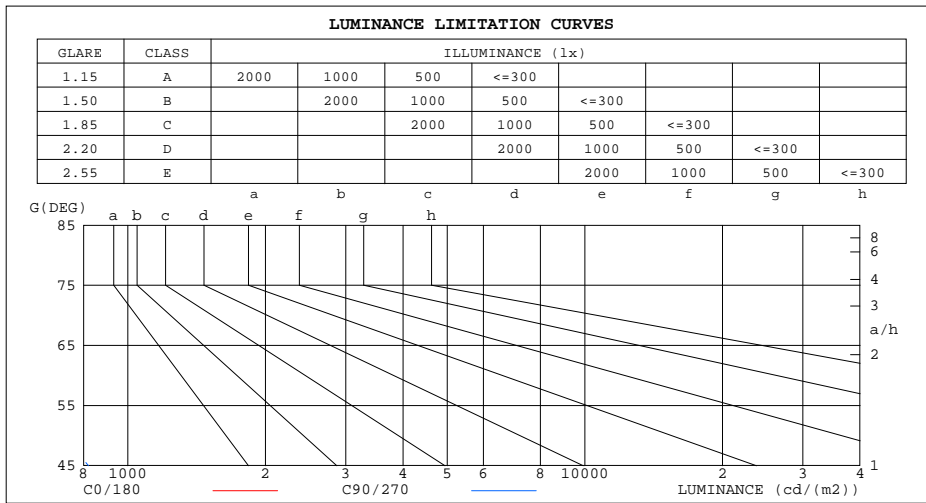
%lum = 94.9%
 %lamp = 94.9%

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:NORDECOR
 Test Date:2025-08-09

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:5.000m [K=2.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6964	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.7 \times 9.4\text{CM} + 11.9 + 2.5 \times 1\text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	327	0
80	178	0
75	134	302
70	116	351
65	107	383
60	135	409
55	162	574
50	247	709
45	361	820

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=2.0000]
Remarks:

WEC AND CCEC

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6964	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.7 \times 9.4 \text{CM} + 11.9 + 2.5 \times 1 \text{CM}$ SERIAL No.:01	
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

rcc	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	.198	.113	.036	.192	.109	.035	.179	.103	.033	.167	.096	.031	.156	.091	.029	
2.0	.188	.103	.032	.183	.101	.031	.172	.096	.030	.162	.091	.028	.153	.086	.027	
3.0	.177	.094	.028	.172	.092	.028	.163	.088	.027	.155	.085	.026	.147	.081	.025	
4.0	.167	.087	.025	.163	.085	.025	.155	.082	.024	.147	.079	.024	.140	.076	.023	
5.0	.157	.080	.023	.153	.079	.023	.146	.076	.022	.140	.074	.022	.134	.072	.022	
6.0	.148	.074	.021	.145	.073	.021	.139	.071	.021	.133	.069	.020	.128	.067	.020	
7.0	.140	.069	.020	.138	.069	.020	.132	.067	.019	.127	.065	.019	.122	.064	.019	
8.0	.133	.065	.018	.131	.064	.018	.126	.063	.018	.121	.062	.018	.117	.060	.018	
9.0	.127	.061	.017	.125	.061	.017	.120	.059	.017	.116	.058	.017	.112	.057	.016	
10.0	.121	.058	.016	.119	.057	.016	.115	.056	.016	.111	.055	.016	.108	.054	.016	

rcc	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	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.050	.019	.017	.016	
2.0	.158	.132	.111	.136	.114	.096	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.147	.114	.087	.126	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.137	.099	.071	.117	.086	.061	.081	.060	.043	.047	.035	.026	.015	.011	.008	
5.0	.128	.088	.058	.110	.076	.051	.076	.053	.036	.044	.031	.021	.014	.010	.007	
6.0	.120	.078	.049	.103	.068	.042	.071	.048	.030	.041	.028	.018	.013	.009	.006	
7.0	.113	.071	.041	.098	.061	.036	.067	.043	.025	.039	.025	.015	.013	.008	.005	
8.0	.107	.065	.035	.092	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.102	.059	.031	.088	.052	.027	.061	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.084	.048	.024	.058	.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:NORDECOR
Test Date:2025-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=2.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm										
NAME: 6964					TYPE:			WEIGHT:		
SPEC.:1W					DIM.: $\phi 1.7 \times 9.4\text{CM} + 11.9 + 2.5 \times 1\text{CM}$ SERIAL No.:01					
MFR.: NORDECOR					SUR.:			Shielding Angle:30°		
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	10.6	11.6	10.8	11.8	12.0	14.8	15.8	15.0	16.0	16.2
3H	10.9	11.8	11.1	12.0	12.2	15.4	16.3	15.7	16.5	16.7
4H	11.0	11.9	11.3	12.1	12.3	15.6	16.5	15.9	16.7	17.0
6H	11.2	12.0	11.5	12.3	12.5	15.6	16.4	15.9	16.7	16.9
8H	11.4	12.2	11.7	12.5	12.7	15.5	16.4	15.9	16.6	16.9
12H	11.7	12.4	12.0	12.7	13.0	15.5	16.3	15.8	16.5	16.8
4H 2H	11.3	12.2	11.6	12.4	12.7	14.9	15.7	15.1	16.0	16.2
3H	11.8	12.6	12.1	12.9	13.1	15.6	16.4	16.0	16.7	17.0
4H	12.0	12.7	12.4	13.1	13.4	16.0	16.7	16.3	17.0	17.3
6H	12.3	13.0	12.7	13.3	13.7	16.0	16.6	16.4	16.9	17.3
8H	12.6	13.2	13.0	13.5	13.9	15.9	16.5	16.3	16.9	17.2
12H	12.9	13.5	13.3	13.8	14.2	15.9	16.4	16.3	16.8	17.2
8H 4H	12.5	13.0	12.9	13.4	13.8	16.0	16.6	16.4	16.9	17.3
6H	12.9	13.4	13.4	13.8	14.2	16.0	16.5	16.5	16.9	17.3
8H	13.3	13.7	13.7	14.1	14.6	16.0	16.4	16.4	16.8	17.3
12H	13.8	14.2	14.3	14.6	15.1	15.9	16.3	16.4	16.7	17.2
12H 4H	12.4	13.0	12.8	13.3	13.7	16.0	16.5	16.4	16.9	17.3
6H	12.9	13.4	13.4	13.8	14.2	16.0	16.4	16.5	16.8	17.3
8H	13.3	13.7	13.8	14.1	14.6	16.0	16.3	16.4	16.8	17.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 0.9					+ 1.2 / - 1.3				
1.5H	+ 0.4 / - 1.2					+ 2.4 / - 1.0				
2.0H	+ 0.8 / - 1.6					+ 1.3 / - 1.3				

CIE Pub.117, 288.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.3)
Area: 0.1 m2

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=2.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6964	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.7 \times 9.4\text{CM} + 11.9 + 2.5 \times 1\text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

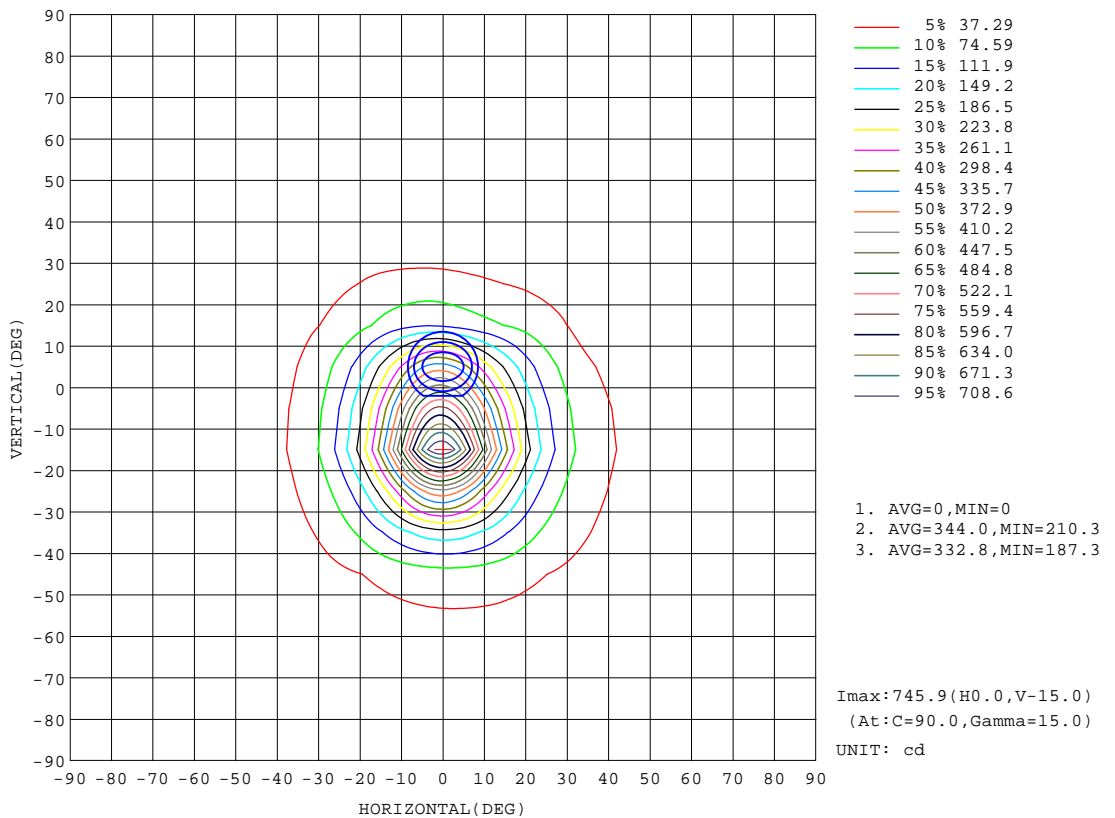
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	80	73	68	80	72	68	79	72	68	64
0.80	88	81	77	88	81	76	86	80	76	72
1.00	94	87	83	93	87	82	91	87	82	77
1.25	99	92	88	97	92	88	95	90	87	82
1.50	102	96	92	101	95	91	98	94	90	85
2.00	106	100	97	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	103	99	97	90
3.00	110	105	102	108	104	101	104	101	99	92
4.00	112	109	106	110	107	105	106	104	102	94
5.00	114	111	108	111	109	107	107	105	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=2.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6964	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.7 \times 9.4\text{CM} + 11.9 + 2.5 \times 1\text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°



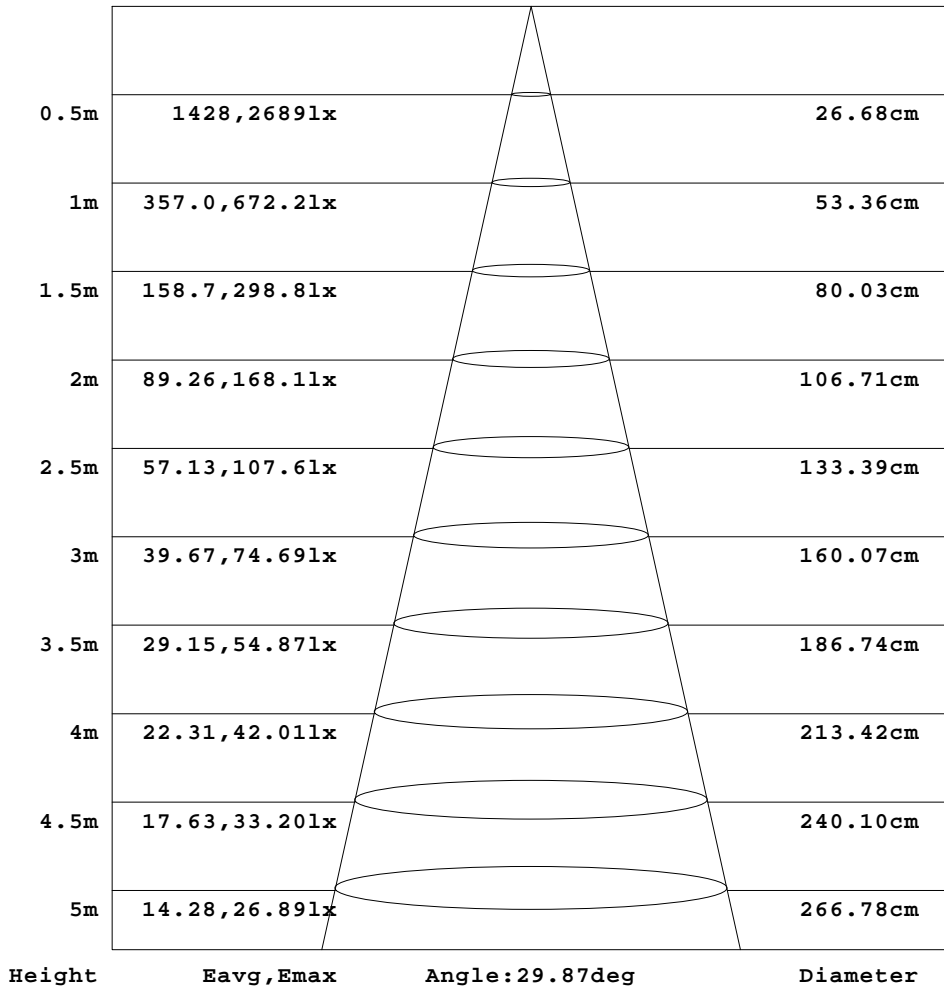
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:NORDECOR
 Test Date:2025-08-09

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:5.000m [K=2.0000]
 Remarks:

AAI Figure

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6964	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.7 \times 9.4\text{CM} + 11.9 + 2.5 \times 1\text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

Flux out:80.53 lm



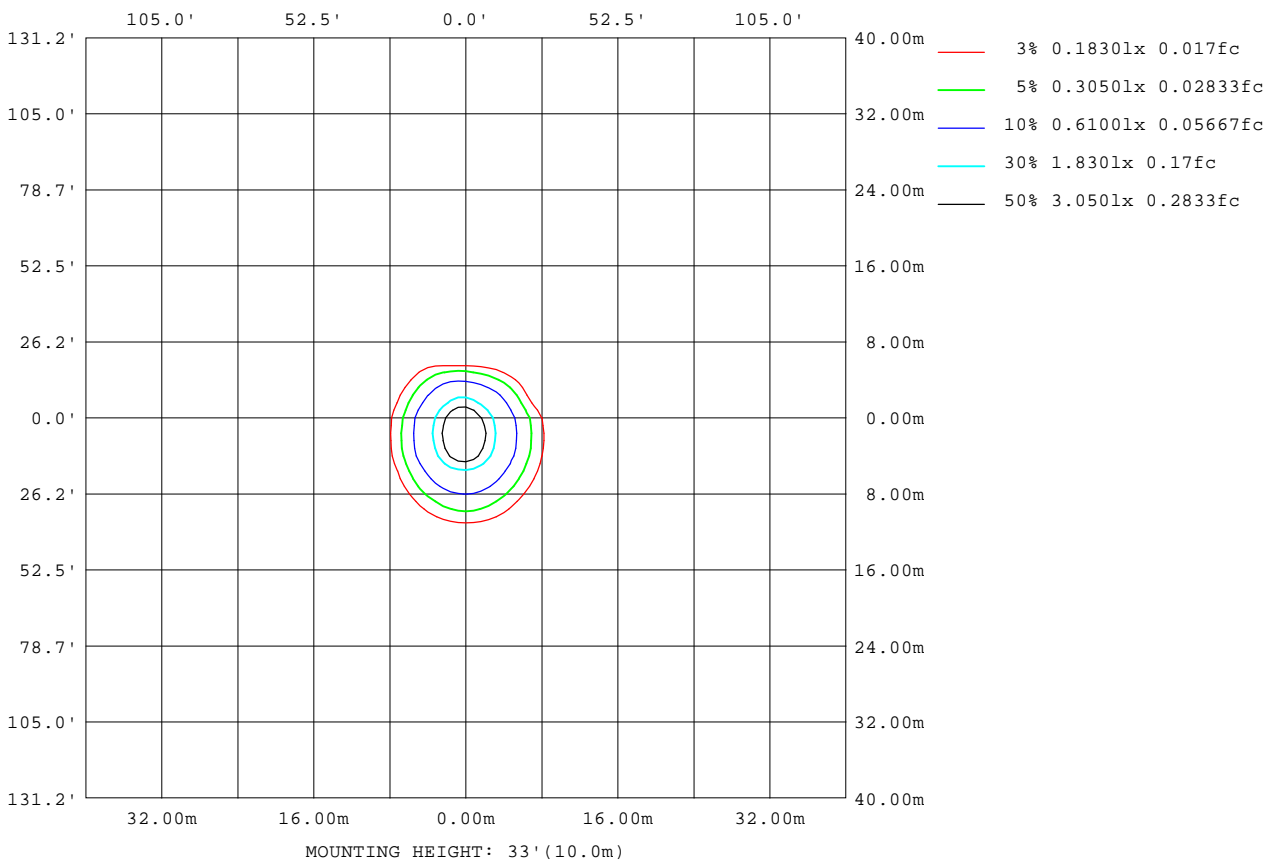
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=2.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6964	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.7 \times 9.4\text{CM} + 11.9 + 2.5 \times 1\text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=2.0000]
Remarks:

LED Avg.L Report

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6964	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.7 \times 9.4 \text{CM} + 11.9 + 2.5 \times 1 \text{CM}$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

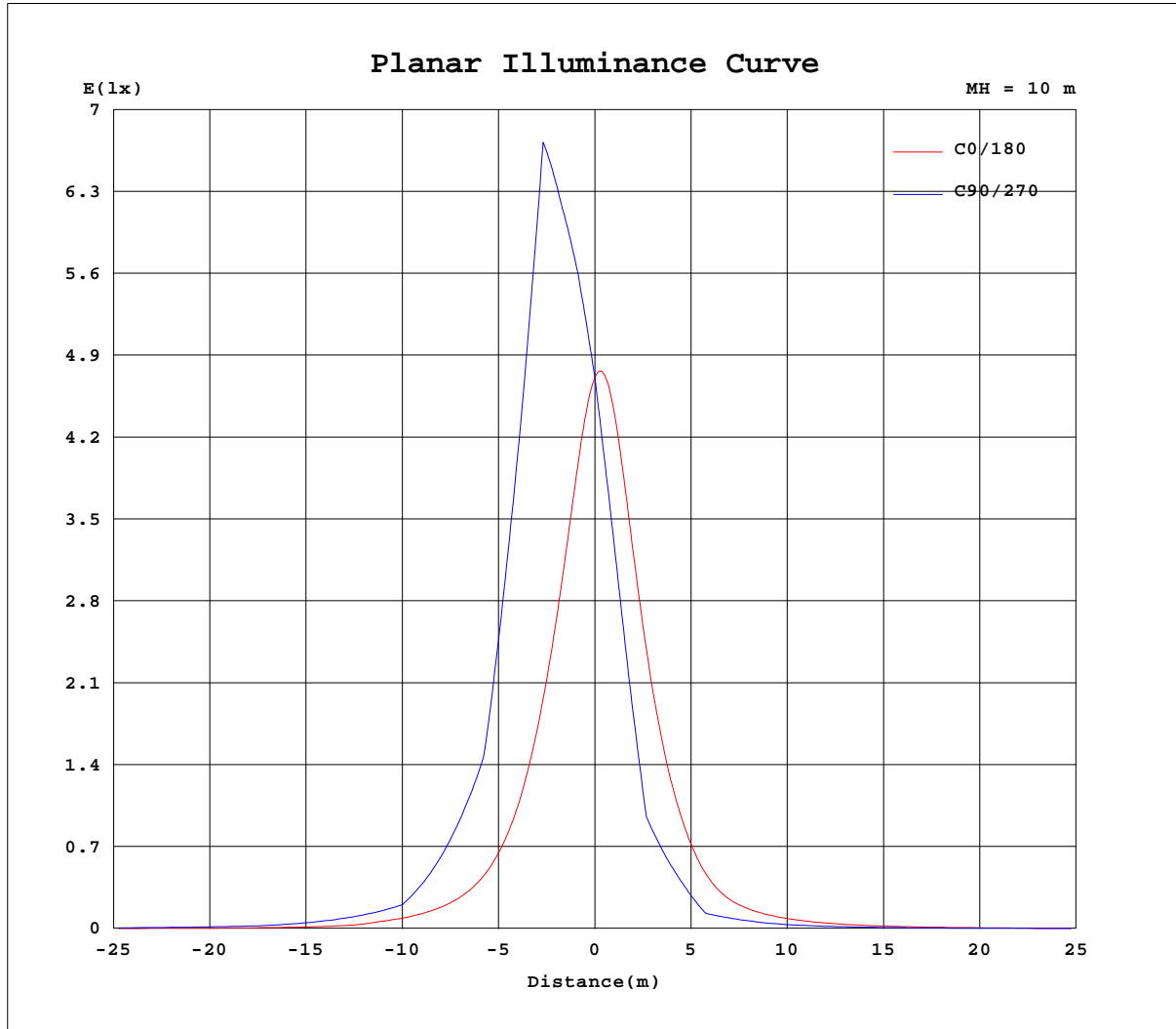
AvgL	cd/m2
L_0~180(65)av	144
L_0~180(75)av	164
L_0~180(85)av	330
L_90~270(65)av	242
L_90~270(75)av	217
L_90~270(85)av	0
L_45(65)av	211
L_45(75)av	206
L_45(85)av	0

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=2.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:NORDECOR
 Test Date:2025-08-09

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:5.000m [K=2.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6964	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.7 \times 9.4\text{CM} + 11.9 + 2.5 \times 1\text{CM}$ SERIAL No.:01	
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

Table--1 UNIT: cd

C(DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471
5	402	410	420	430	440	451	462	474	486	497	509	520	530	539	547	554	560	563	566
10	304	317	331	347	365	385	407	423	442	462	485	509	534	558	582	604	623	639	650
15	218	230	245	261	279	292	307	327	350	387	430	478	529	581	631	674	709	734	746
20	151	161	174	187	195	206	223	254	291	334	369	390	415	442	472	502	528	551	568
25	102	110	121	126	133	148	172	201	209	218	230	250	276	304	332	358	379	393	399
30	69.7	76.0	82.3	85.0	93.3	109	121	124	130	145	161	178	190	201	211	218	222	224	226
35	48.9	53.5	56.5	58.9	68.6	74.9	76.0	82.5	92.5	100	106	111	122	135	146	156	164	169	170
40	35.3	39.0	40.3	44.4	49.6	49.5	54.1	59.6	62.5	66.3	73.9	82.4	89.3	95.4	101	106	110	113	114
45	25.5	28.9	29.5	34.5	34.6	37.0	40.0	41.3	45.3	49.8	52.5	55.0	57.9	60.6	62.1	62.0	60.9	59.3	58.0
50	15.9	20.3	22.5	25.2	25.9	27.9	29.1	31.9	33.3	34.3	36.5	37.8	39.1	41.0	42.8	44.2	45.2	45.7	45.6
55	9.31	11.4	14.9	16.3	19.9	20.6	22.4	22.9	24.4	25.9	27.0	28.2	29.8	31.4	32.7	33.4	33.5	33.3	32.9
60	6.76	7.69	9.10	10.7	12.5	15.4	16.0	17.6	18.2	19.1	20.5	21.8	22.5	23.0	23.1	22.8	21.9	20.9	20.4
65	4.53	5.38	6.21	7.24	8.50	9.96	11.8	12.2	13.4	14.2	14.6	15.2	16.0	16.7	17.1	17.1	16.8	16.4	16.2
70	3.97	4.30	4.68	5.32	5.94	6.59	7.93	8.45	8.76	9.95	10.9	11.5	11.9	12.2	12.4	12.4	12.3	12.1	12.0
75	3.47	3.51	3.71	3.86	4.23	4.89	5.37	6.05	6.57	7.10	7.49	7.71	7.81	7.82	7.81	7.80	7.71	7.74	7.83
80	3.10	3.12	3.06	3.13	3.28	3.69	3.97	4.31	4.58	4.09	3.30	2.56	1.91	1.35	0.88	0.51	0.23	0.06	0.00
85	2.85	2.80	2.86	2.96	2.69	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	2.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=2.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6964	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.7 \times 9.4 \text{CM} + 11.9 + 2.5 \times 1 \text{CM}$ SERIAL No.:01	
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

Table--2

UNIT: cd

C(DEG) g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471
5	566	565	562	558	553	547	540	532	524	516	508	499	491	484	477	470	464	458	448
10	655	653	646	633	616	594	569	541	513	485	458	432	415	402	390	381	374	369	351
15	742	725	698	662	620	576	533	493	457	422	383	348	319	292	280	272	267	265	246
20	574	570	555	528	494	455	417	381	345	311	284	263	236	211	191	183	180	180	163
25	397	388	372	353	331	308	287	265	238	215	196	178	164	148	130	117	116	117	104
30	228	229	226	219	206	190	173	162	153	145	130	116	105	96.5	85.8	74.1	71.2	72.2	63.6
35	168	162	155	146	137	127	117	105	93.5	84.8	80.7	75.0	65.5	59.0	55.3	48.1	44.8	45.6	40.6
40	114	111	106	99.7	91.8	83.1	75.0	68.9	63.0	55.6	48.5	45.8	43.6	38.9	36.7	34.4	31.7	32.6	29.1
45	57.5	57.9	58.4	58.5	57.5	55.4	51.3	45.6	40.1	37.6	35.5	31.6	29.9	28.9	26.8	26.2	23.7	24.4	21.7
50	44.8	43.2	41.0	38.2	35.4	32.7	31.6	31.2	29.8	27.0	25.0	24.6	22.4	21.5	20.5	19.7	18.2	18.5	16.6
55	32.2	31.2	29.9	28.5	27.2	25.9	24.4	22.5	20.7	20.1	19.3	17.6	17.5	15.9	15.8	14.6	13.9	14.0	12.7
60	20.3	20.2	20.0	19.6	19.5	19.0	18.1	17.3	16.4	15.1	13.8	13.6	12.5	12.5	11.3	11.0	10.6	10.4	9.51
65	16.0	15.6	15.1	14.7	14.5	14.2	13.6	12.9	11.9	11.1	10.7	9.83	9.24	8.68	8.55	8.21	7.87	7.61	7.17
70	12.0	11.9	11.6	11.3	11.2	10.9	10.4	9.73	8.99	8.21	7.76	7.32	6.97	6.57	6.29	6.13	6.10	6.06	5.67
75	7.98	8.06	8.05	7.93	7.95	7.91	7.75	7.52	7.06	6.53	6.11	5.84	5.55	5.37	5.15	5.12	5.08	5.01	4.73
80	0.06	0.24	0.53	0.92	1.42	2.01	2.70	3.50	4.43	5.27	5.17	4.96	4.64	4.43	4.18	4.00	3.88	3.88	3.43
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	3.04	3.27	2.98	2.88	2.89	2.86
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.52	0.00

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=2.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6964	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.7 \times 9.4 \text{CM} + 11.9 + 2.5 \times 1 \text{CM}$ SERIAL No.:01	
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

Table--3

UNIT: cd

C(DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471
5	437	427	418	410	402	395	388	382	377	372	367	364	361	358	356	354	353	351	351
10	335	321	307	295	284	278	273	268	263	259	254	249	244	239	234	230	226	224	222
15	230	214	202	196	191	185	180	172	164	155	146	137	129	121	114	109	106	105	105
20	149	137	133	128	123	114	105	93.7	87.9	87.5	86.8	85.9	84.7	83.1	80.9	78.4	76.0	74.0	72.5
25	92.5	88.1	85.6	80.4	72.4	63.4	64.2	64.8	64.7	63.3	61.1	58.7	56.3	54.0	51.9	50.1	48.7	47.7	47.3
30	57.5	56.7	54.1	48.5	45.3	46.0	46.5	45.3	43.5	40.9	37.9	34.1	29.8	25.8	22.6	20.6	20.1	20.7	22.1
35	38.4	38.3	35.3	33.5	33.6	32.9	31.5	30.4	28.7	25.4	23.3	21.6	19.8	18.4	17.3	16.7	16.6	16.7	16.9
40	28.4	27.2	25.6	25.6	24.4	23.2	22.5	21.6	20.8	19.7	18.4	17.0	15.6	14.4	13.6	13.1	13.1	13.1	13.1
45	21.7	20.1	19.8	18.8	17.8	17.3	16.6	15.8	15.2	14.3	13.1	11.8	10.9	10.2	9.80	9.54	9.54	9.51	9.52
50	16.3	15.4	14.8	13.9	13.5	12.7	12.3	11.7	10.5	9.10	8.24	8.10	8.07	8.03	8.00	7.92	7.95	7.88	7.82
55	12.1	11.8	10.8	10.6	9.96	9.61	8.87	7.93	7.69	7.27	6.90	6.66	6.51	6.38	6.33	6.31	6.35	6.38	6.38
60	8.86	8.39	8.18	7.76	7.59	6.81	6.70	6.57	6.28	5.91	5.56	5.24	5.00	4.78	4.73	4.73	4.78	4.88	4.97
65	6.87	6.53	6.27	6.13	5.77	5.65	5.43	5.20	4.91	4.57	4.46	4.34	4.26	4.17	4.18	4.27	4.30	4.37	4.42
70	5.35	5.17	5.10	4.94	4.70	4.50	4.36	4.25	4.12	4.01	3.93	3.86	3.82	3.77	3.78	3.84	3.86	3.90	3.94
75	4.40	4.20	4.00	3.83	3.80	3.69	3.65	3.59	3.51	3.44	3.38	3.36	3.35	3.36	3.36	3.41	3.39	3.43	3.46
80	3.20	3.13	3.05	3.16	3.15	3.08	2.96	2.41	1.81	1.34	0.95	0.65	0.41	0.23	0.10	0.03	0.00	0.03	0.10
85	2.86	2.86	2.49	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=2.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.13V I:0.0210A P:2.1516W PF:0.4648 Freq:50.00Hz Lamp Flux:288.652x1 lm		
NAME: 6964	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi 1.7 \times 9.4 \text{CM} + 11.9 + 2.5 \times 1 \text{CM}$ SERIAL No.:01	
MFR.: NORDECOR	SUR.:	Shielding Angle:30°

Table--4

UNIT: cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471				
5	351	351	352	352	354	355	357	360	363	367	371	376	381	387	394				
10	221	222	224	226	230	234	240	246	253	261	266	271	278	285	294				
15	108	112	117	123	129	135	141	148	158	168	178	188	195	201	209				
20	71.6	71.2	71.4	72.3	73.7	75.6	81.5	90.3	97.8	104	113	123	133	138	144				
25	47.4	47.9	48.9	50.4	52.2	54.2	57.0	59.8	62.8	68.3	72.7	78.5	86.5	93.9	97.3				
30	24.0	26.2	28.7	31.5	34.5	36.9	38.8	40.4	43.0	45.9	48.8	51.2	55.7	62.5	66.2				
35	17.0	17.1	17.1	17.0	17.2	21.0	24.3	26.9	28.1	28.7	30.1	31.0	32.9	39.4	44.8				
40	13.3	13.3	13.4	13.5	13.4	13.3	13.1	15.4	17.4	17.2	17.2	18.7	21.8	26.5	31.9				
45	9.63	9.63	9.72	9.77	9.85	10.0	10.3	10.4	10.4	11.9	12.8	13.7	15.5	18.1	23.0				
50	7.70	7.47	7.32	7.06	6.93	7.22	7.57	8.00	8.38	8.17	9.14	9.62	10.3	11.8	15.1				
55	6.37	6.27	6.16	5.94	5.75	5.68	5.68	6.04	6.28	6.48	6.02	6.66	6.78	7.57	8.59				
60	5.06	5.15	5.19	5.16	5.11	5.06	5.01	4.97	4.93	4.93	4.97	4.66	5.13	5.47	5.92				
65	4.44	4.48	4.49	4.48	4.47	4.47	4.47	4.43	4.32	4.27	4.15	4.10	4.03	4.05	4.23				
70	3.97	3.99	4.02	4.03	4.05	4.02	3.97	3.91	3.89	3.84	3.79	3.73	3.66	3.70	3.76				
75	3.48	3.49	3.55	3.57	3.60	3.62	3.61	3.60	3.57	3.52	3.48	3.40	3.35	3.32	3.35				
80	0.24	0.43	0.69	1.03	1.45	2.00	2.66	3.29	3.30	3.29	3.26	3.20	3.16	3.08	3.05				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	2.71	3.05	3.01	2.88				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:NORDECOR
Test Date:2025-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:5.000m [K=2.0000]
Remarks: