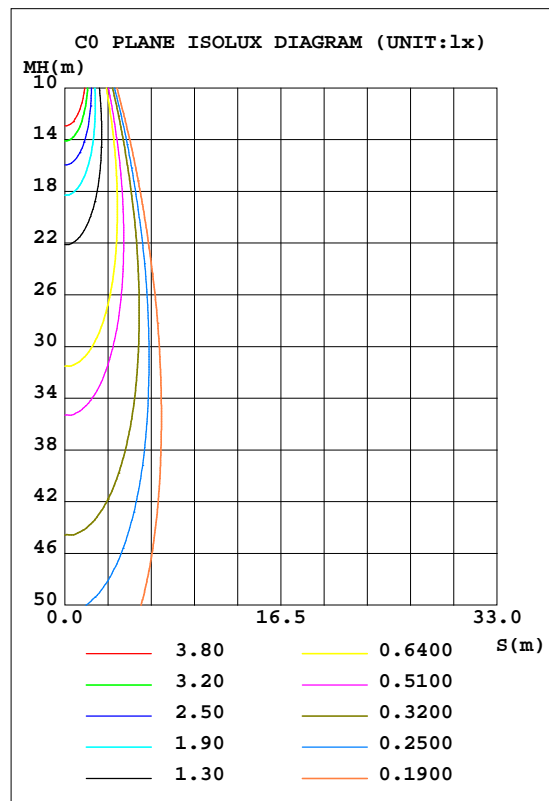
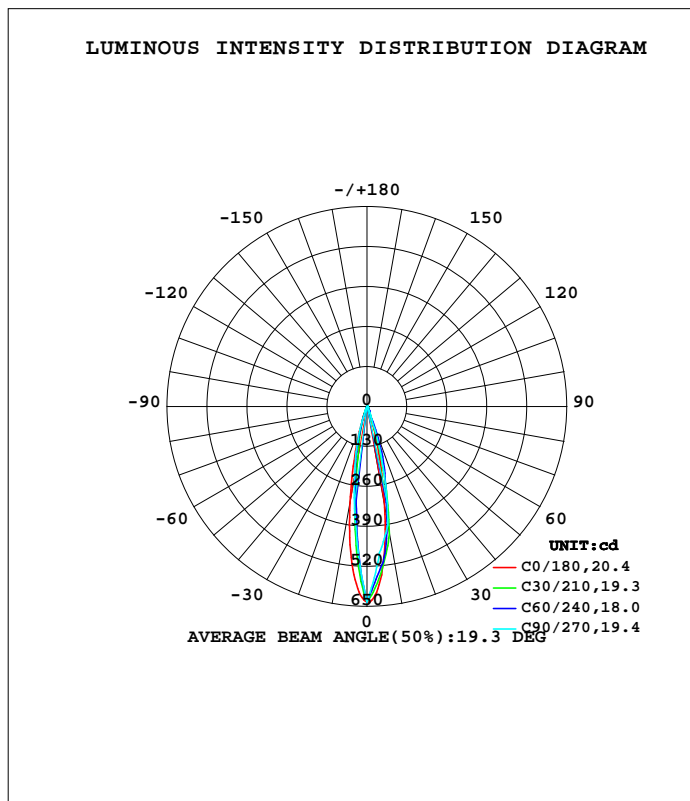


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 38.95 lm/W			
MODEL		I <sub>max</sub> (cd)	636.2	S/MH(C0/180)	0.35
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.26
RATED VOLTAGE(V)		TOTAL FLUX(lm)	91.888	h UP, DN(C0-180)	0.0,56.4
NOMINAL FLUX(lm)	91.8883	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,43.6
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	0	h down(%)	100.0	CIBSE SHR MAX	1.00



H(h) Range:-90 - 90DEG  
 H(h) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AED  
 Test Date:2024-03-26

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:5.780m [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	333.0	389.5	391.3	257.4	320.3	200.5	229.1	298.1	0- 10	39.49	39.49	43,43
20	38.61	100.1	46.25	35.72	37.99	27.61	20.28	58.17	10- 20	39.77	79.26	86.3,86.3
30	4.513	6.881	5.938	4.161	3.875	2.744	2.512	3.579	20- 30	7.286	86.54	94.2,94.2
40	1.504	1.606	1.936	1.263	1.497	0.9280	1.044	1.013	30- 40	1.571	88.11	95.9,95.9
50	0.9698	0.8065	1.269	0.8098	1.098	0.7663	0.9269	0.7637	40- 50	0.8384	88.95	96.8,96.8
60	0.8842	0.7870	1.032	0.8166	0.9639	0.8394	0.8984	0.8103	50- 60	0.7921	89.74	97.7,97.7
70	0.8413	0.8225	0.8728	0.8263	0.8755	0.8454	0.8641	0.8352	60- 70	0.8368	90.58	98.6,98.6
80	0.8442	0.7841	0.7844	0.7733	0.8299	0.8230	0.8327	0.8282	70- 80	0.8587	91.44	99.5,99.5
90	0.8642	0	0	0	0.7957	0	0	0	80- 90	0.4504	91.89	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): 88.554 lm

%lum = 96.4%  
 %lamp = 96.4%

Conical surface Flux(120deg): 89.742 lm

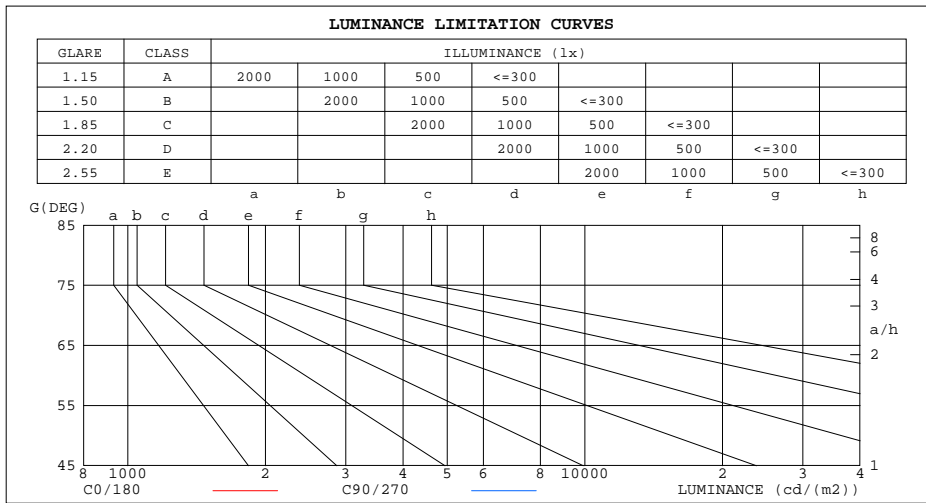
%lum = 97.7%  
 %lamp = 97.7%

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AED  
 Test Date:2024-03-26

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:5.780m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	98	0
80	49	45
75	32	32
70	25	26
65	20	23
60	18	21
55	16	20
50	15	20
45	15	22

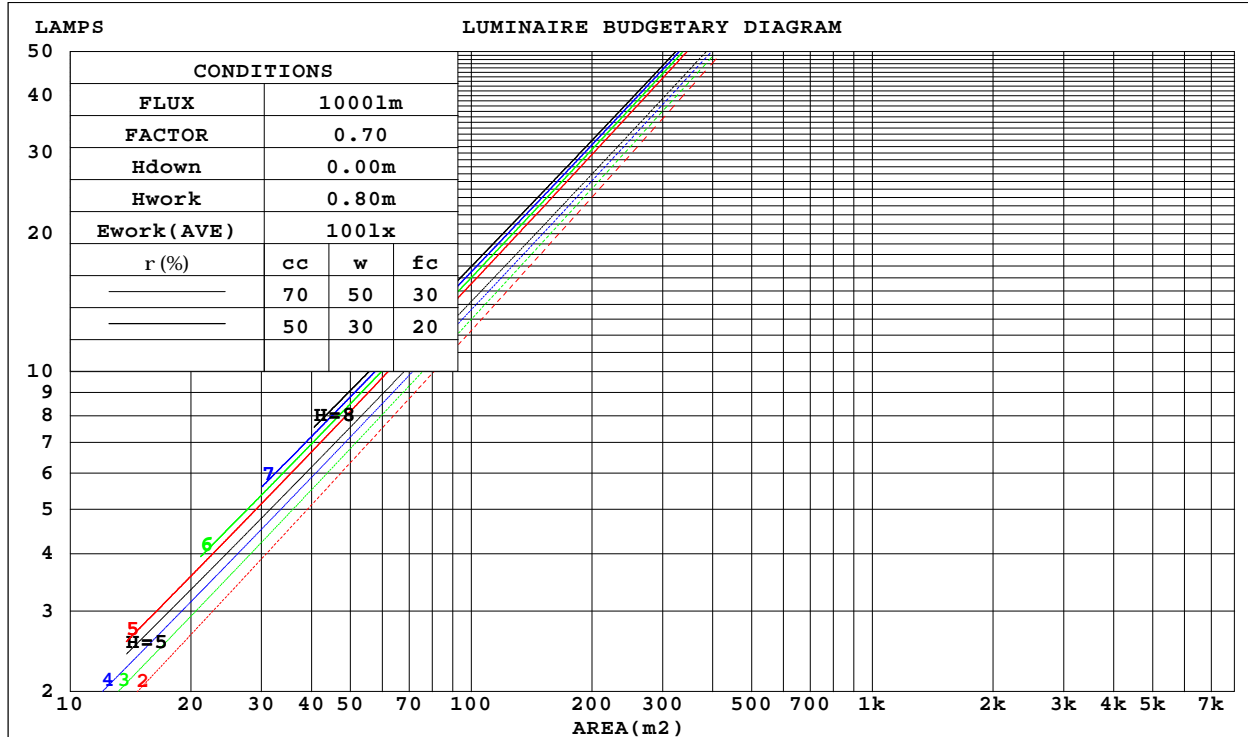
H(b) Range:-90 - 90DEG  
H(b) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AED  
Test Date:2024-03-26

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:5.780m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	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	1.13	1.11	1.09	1.10	1.09	1.07	1.06	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	.00	.98	.96	.97	.96	.94	.93
3.0	1.03	.99	.97	1.02	.98	.96	.99	.97	.94	.97	.95	.93	.95	.93	.92	.90
4.0	.99	.95	.92	.98	.95	.92	.96	.93	.91	.94	.92	.90	.93	.91	.89	.88
5.0	.96	.92	.89	.95	.92	.89	.94	.90	.88	.92	.89	.87	.91	.88	.87	.85
6.0	.93	.89	.86	.93	.89	.86	.91	.88	.86	.90	.87	.85	.89	.86	.84	.83
7.0	.91	.87	.84	.90	.86	.84	.89	.86	.83	.88	.85	.83	.87	.84	.82	.82
8.0	.88	.84	.82	.88	.84	.82	.87	.84	.81	.86	.83	.81	.85	.83	.81	.80
9.0	.86	.82	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.84	.81	.79	.78
10.0	.84	.80	.78	.84	.80	.78	.83	.80	.78	.83	.80	.77	.82	.79	.77	.76



H<sub>(b)</sub> Range:-90 - 90DEG  
 H<sub>(b)</sub> Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AED  
 Test Date:2024-03-26

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:5.780m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°

rcc	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.143	.081	.026	.136	.078	.025	.123	.071	.023	.112	.065	.021	.102	.059	.019	
2.0	.129	.071	.022	.124	.068	.021	.113	.063	.020	.104	.058	.018	.095	.054	.017	
3.0	.118	.063	.019	.114	.061	.018	.105	.057	.017	.097	.053	.016	.090	.050	.015	
4.0	.109	.057	.017	.106	.055	.016	.098	.052	.016	.092	.049	.015	.086	.046	.014	
5.0	.102	.052	.015	.099	.051	.015	.092	.048	.014	.087	.046	.014	.082	.044	.013	
6.0	.095	.048	.014	.093	.047	.013	.087	.045	.013	.082	.043	.013	.078	.041	.012	
7.0	.090	.044	.013	.087	.044	.012	.083	.042	.012	.079	.040	.012	.075	.039	.011	
8.0	.085	.042	.012	.083	.041	.012	.079	.039	.011	.075	.038	.011	.072	.037	.011	
9.0	.081	.039	.011	.079	.038	.011	.075	.037	.011	.072	.036	.010	.069	.035	.010	
10.0	.077	.037	.010	.075	.036	.010	.072	.035	.010	.069	.034	.010	.067	.034	.010	

rcc	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	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	.135	.113	.096	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.122	.098	.079	.105	.085	.069	.072	.059	.048	.042	.035	.029	.013	.011	.009	
5.0	.111	.085	.066	.096	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.088	.065	.049	.061	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.094	.067	.048	.081	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006	
8.0	.087	.060	.042	.075	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.082	.054	.036	.070	.047	.032	.049	.033	.022	.028	.020	.013	.009	.006	.004	
10.0	.076	.050	.032	.066	.043	.028	.046	.030	.020	.027	.018	.012	.009	.006	.004	

H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AED  
Test Date:2024-03-26

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:5.780m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm										
NAME: 6428			TYPE:			WEIGHT:				
SPEC.:2W			DIM.:			SERIAL No.:01				
MFR.: NORDECOR			SUR.:			Shielding Angle:15°				
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	-2.5	-1.9	-2.3	-1.8	-1.6	-1.2	-0.6	-1.0	-0.4	-0.3
3H	0.1	0.7	0.4	0.9	1.1	1.2	1.8	1.4	2.0	2.2
4H	1.8	2.4	2.1	2.6	2.8	2.7	3.2	2.9	3.4	3.6
6H	3.8	4.3	4.1	4.5	4.8	4.3	4.9	4.6	5.1	5.3
8H	4.9	5.4	5.2	5.7	5.9	4.8	5.3	5.1	5.5	5.8
12H	6.2	6.8	6.6	7.0	7.3	4.8	5.3	5.1	5.6	5.8
4H 2H	-1.6	-1.0	-1.3	-0.8	-0.6	-0.6	0.0	-0.3	0.2	0.4
3H	1.3	1.8	1.6	2.1	2.3	2.2	2.7	2.5	3.0	3.2
4H	3.2	3.6	3.5	3.9	4.2	3.9	4.4	4.2	4.6	4.9
6H	5.3	5.7	5.7	6.0	6.4	5.8	6.2	6.1	6.5	6.9
8H	6.5	6.9	6.9	7.3	7.6	6.3	6.7	6.7	7.0	7.4
12H	7.9	8.3	8.3	8.7	9.1	6.3	6.7	6.7	7.0	7.4
8H 4H	4.0	4.4	4.4	4.7	5.1	4.5	4.9	4.9	5.3	5.6
6H	6.4	6.7	6.8	7.1	7.5	6.7	7.0	7.1	7.4	7.8
8H	7.8	8.1	8.2	8.5	8.9	7.3	7.6	7.7	8.0	8.4
12H	9.4	9.7	9.9	10.1	10.6	7.3	7.6	7.8	8.0	8.5
12H 4H	4.2	4.6	4.6	4.9	5.3	4.7	5.1	5.1	5.5	5.8
6H	6.7	7.0	7.2	7.4	7.9	7.0	7.3	7.5	7.7	8.2
8H	8.2	8.5	8.7	8.9	9.4	7.7	7.9	8.1	8.3	8.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.1 / - 0.1				
2.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.2				

CIE Pub.117, 91.89 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -8.3)  
Area: 0.1 m2

H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AED  
Test Date:2024-03-26

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:5.780m [K=1.0000]  
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°

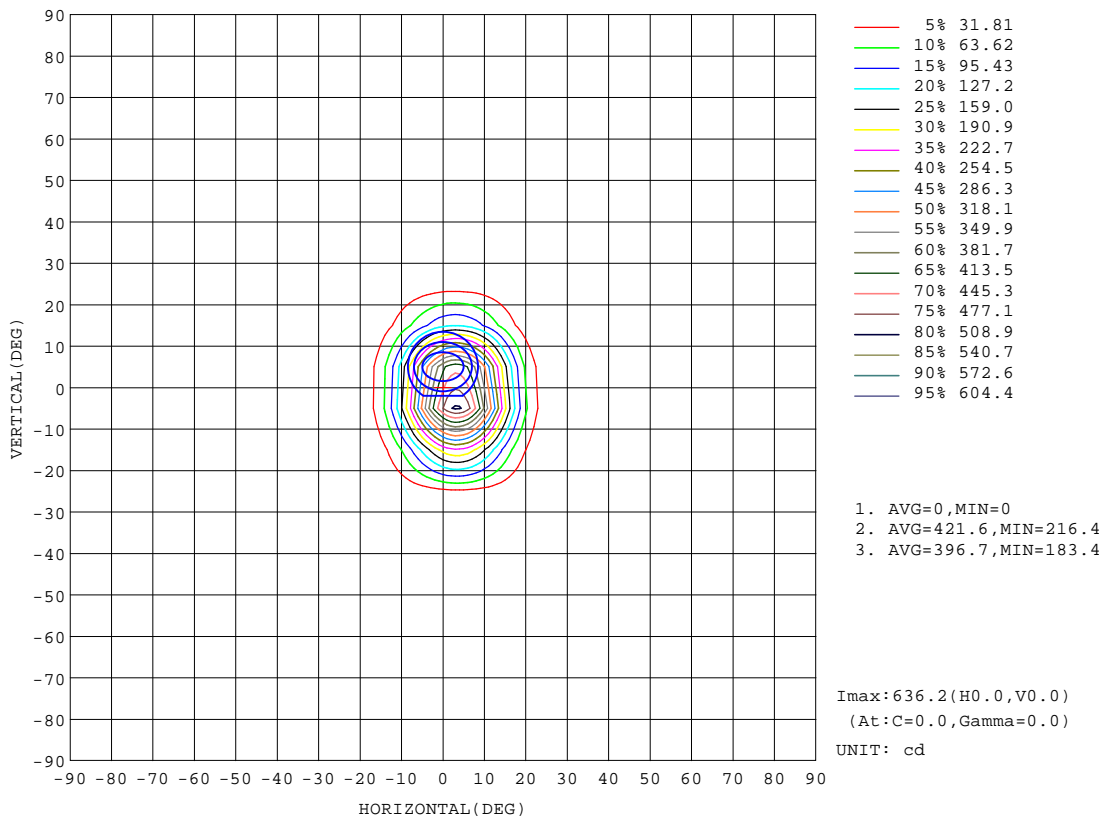
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	83	80	89	83	79	88	83	79	76
0.80	96	91	87	95	90	87	94	90	87	83
1.00	100	95	91	99	94	91	98	94	90	87
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	101	107	103	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H<sub>(β)</sub> Range:-90 - 90DEG  
H<sub>(β)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AED  
Test Date:2024-03-26

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:5.780m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°



H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AED  
 Test Date:2024-03-26

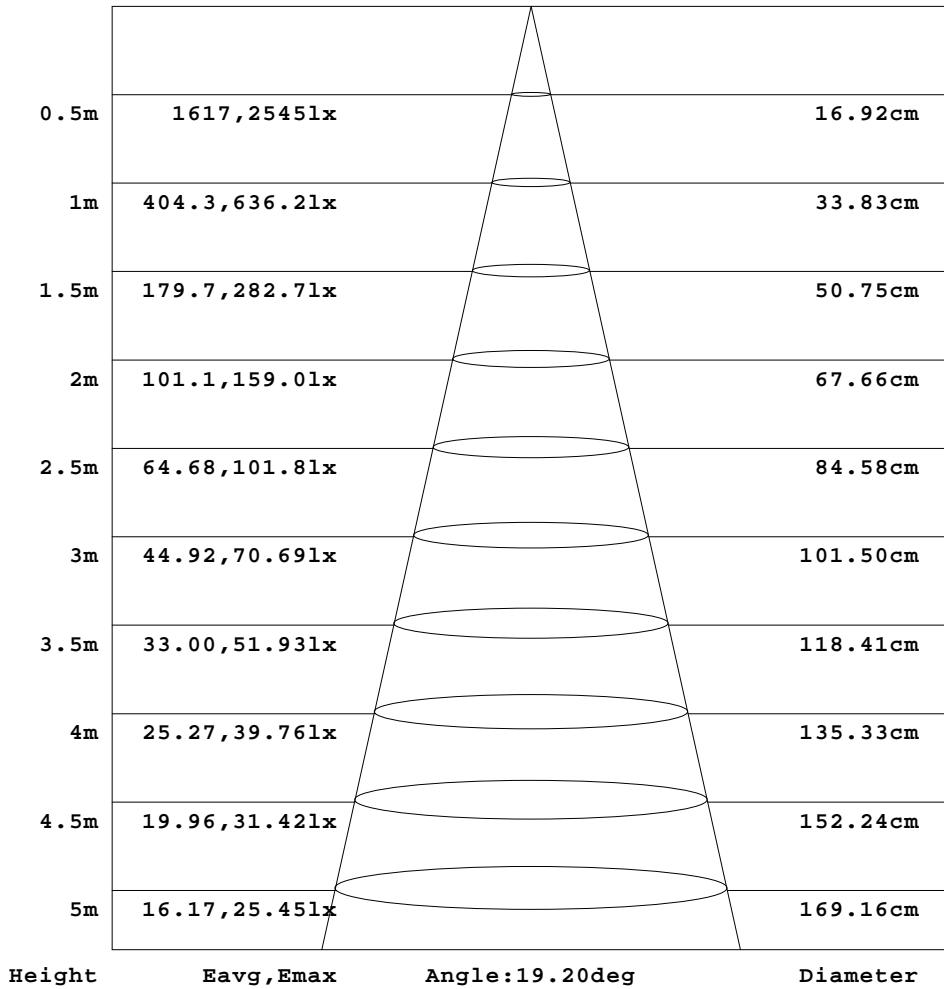
V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:5.780m [K=1.0000]  
 Remarks:



AAI Figure

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°

Flux out:39.49 lm



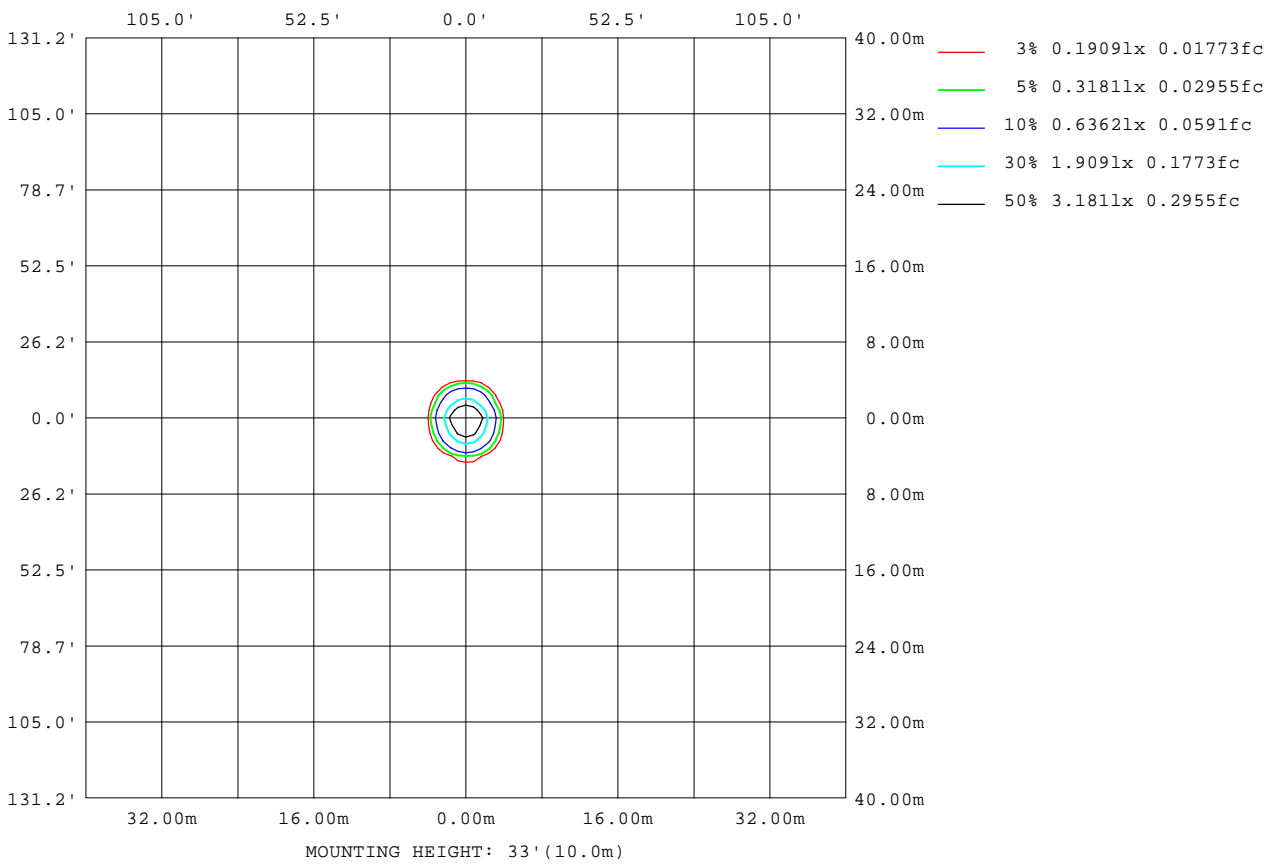
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(b) Range:-90 - 90DEG  
 H(b) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AED  
 Test Date:2024-03-26

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:5.780m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AED  
Test Date:2024-03-26

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:5.780m [K=1.0000]  
Remarks:

**LED Avg.L Report**

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°

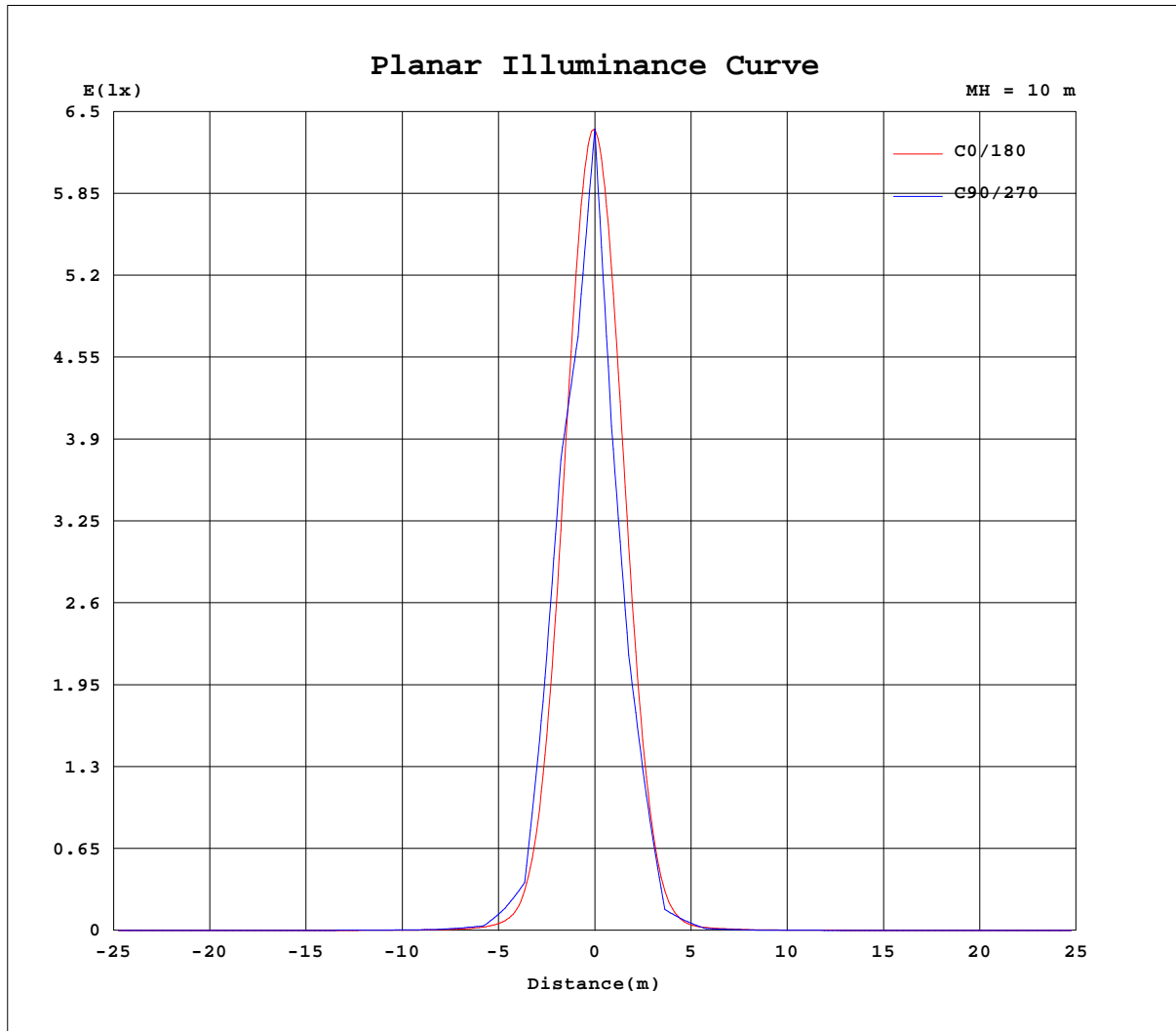
AvgL	cd/m2
L_0~180(65)av	21
L_0~180(75)av	33
L_0~180(85)av	96
L_90~270(65)av	22
L_90~270(75)av	32
L_90~270(85)av	0
L_45(65)av	20
L_45(75)av	32
L_45(85)av	37

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AED  
Test Date:2024-03-26

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:5.780m [K=1.0000]  
Remarks:

Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AED  
 Test Date:2024-03-26

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:5.780m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°

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	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636
5	549	546	543	542	541	540	540	540	538	536	534	530	525	519	512	504	495	486	477
10	333	343	355	370	387	405	421	408	397	389	384	380	379	380	382	386	388	391	391
15	138	155	177	203	223	208	195	182	172	183	200	214	225	232	234	232	225	214	202
20	38.6	50.9	66.1	78.3	68.5	57.7	50.5	64.9	81.6	100	108	103	94.7	84.5	73.3	62.7	53.9	48.4	46.2
25	10.6	14.6	19.8	18.2	14.5	14.4	20.6	30.2	29.9	26.1	17.0	15.3	18.6	22.1	25.2	27.0	27.3	26.1	23.9
30	4.51	5.91	6.91	5.69	5.48	7.14	8.09	7.19	5.61	6.88	8.31	9.75	10.2	10.3	9.70	8.58	7.29	6.33	5.94
35	2.27	2.95	2.99	2.45	3.13	3.36	2.74	2.95	3.67	3.93	3.61	2.88	3.14	3.54	3.86	4.05	4.08	3.97	3.75
40	1.50	1.83	1.67	1.70	1.83	1.56	1.69	1.93	1.79	1.61	1.80	2.04	2.17	2.20	2.20	2.14	2.05	1.98	1.94
45	1.09	1.23	1.10	1.20	1.06	1.08	1.13	0.94	1.07	1.25	1.20	1.10	1.11	1.26	1.44	1.56	1.61	1.61	1.57
50	0.97	1.00	0.96	0.93	0.87	0.86	0.80	0.84	0.84	0.81	0.87	0.97	1.04	1.10	1.16	1.19	1.23	1.26	1.27
55	0.91	0.93	0.91	0.85	0.80	0.76	0.76	0.74	0.77	0.81	0.84	0.86	0.91	0.97	1.03	1.09	1.13	1.15	1.14
60	0.88	0.88	0.86	0.81	0.76	0.74	0.73	0.75	0.76	0.79	0.83	0.88	0.92	0.95	0.98	1.01	1.01	1.03	1.03
65	0.86	0.86	0.82	0.78	0.74	0.73	0.74	0.75	0.78	0.82	0.85	0.87	0.89	0.91	0.93	0.94	0.95	0.96	0.95
70	0.84	0.83	0.79	0.76	0.73	0.73	0.77	0.79	0.81	0.82	0.84	0.85	0.86	0.86	0.87	0.87	0.88	0.87	0.87
75	0.83	0.81	0.77	0.74	0.74	0.77	0.79	0.80	0.80	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.83
80	0.84	0.78	0.74	0.77	0.78	0.79	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.78	0.79	0.78
85	0.86	0.75	0.78	0.78	0.76	0.76	0.74	0.55	0.42	0.31	0.23	0.17	0.12	0.08	0.05	0.03	0.01	0.00	0.00
90	0.86	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:AED  
Test Date:2024-03-26

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:5.780m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°

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	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636
5	467	459	451	445	440	436	434	433	435	438	444	451	460	471	484	498	514	532	511
10	388	381	371	357	340	321	300	279	257	236	216	197	211	228	247	269	293	320	290
15	190	179	171	165	161	159	157	156	155	147	123	101	82.7	66.9	78.5	95.9	114	135	114
20	46.5	47.8	49.0	49.2	47.7	44.7	40.5	35.5	35.7	40.5	42.8	43.4	33.2	23.9	17.1	22.2	29.8	38.0	29.5
25	21.5	19.2	17.4	15.8	14.5	13.1	12.0	11.0	9.82	8.33	6.96	9.18	10.2	8.81	6.26	5.29	7.29	9.27	7.15
30	5.96	6.15	6.15	5.85	5.32	4.60	3.98	4.09	4.16	4.17	3.60	3.10	3.29	3.81	3.58	2.92	3.23	3.87	3.14
35	3.50	3.23	2.97	2.76	2.58	2.41	2.28	2.15	1.92	1.85	2.06	2.12	1.85	1.94	2.35	1.96	1.90	2.41	1.83
40	1.91	1.87	1.74	1.58	1.48	1.40	1.35	1.33	1.26	1.15	1.10	1.23	1.26	1.21	1.36	1.38	1.32	1.50	1.29
45	1.50	1.37	1.24	1.15	1.09	1.02	0.98	0.91	0.87	0.88	0.89	0.93	0.99	1.06	1.08	1.20	1.14	1.24	1.11
50	1.24	1.20	1.11	1.05	0.98	0.91	0.87	0.84	0.81	0.79	0.80	0.82	0.87	0.95	0.98	1.05	1.03	1.10	1.01
55	1.11	1.06	1.02	0.99	0.95	0.92	0.88	0.83	0.79	0.77	0.76	0.79	0.82	0.87	0.94	0.96	0.98	1.01	0.96
60	1.02	1.01	0.98	0.96	0.93	0.89	0.85	0.84	0.82	0.79	0.77	0.76	0.79	0.83	0.88	0.91	0.95	0.96	0.93
65	0.94	0.93	0.92	0.91	0.90	0.89	0.87	0.85	0.82	0.80	0.79	0.77	0.77	0.80	0.84	0.88	0.89	0.92	0.89
70	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.83	0.83	0.81	0.80	0.78	0.77	0.77	0.79	0.83	0.85	0.88	0.84
75	0.83	0.82	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.80	0.80	0.80	0.78	0.76	0.77	0.80	0.83	0.86	0.82
80	0.78	0.77	0.78	0.77	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.77	0.80	0.83	0.79
85	0.00	0.01	0.03	0.05	0.08	0.12	0.17	0.23	0.31	0.42	0.55	0.74	0.75	0.76	0.78	0.78	0.76	0.81	0.75
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	0.80	0.00

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AED  
Test Date:2024-03-26

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:5.780m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°

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	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636
5	491	473	456	441	428	417	407	399	393	388	386	385	386	389	393	398	405	412	421
10	263	239	216	195	177	185	193	201	208	215	221	225	228	229	230	229	229	229	230
15	94.1	75.4	61.7	71.5	82.3	94.3	106	108	107	105	105	104	105	106	109	114	119	124	129
20	21.5	15.8	21.2	28.2	35.4	34.1	31.6	27.6	26.4	28.7	30.0	30.0	28.7	26.4	23.7	21.3	20.3	21.3	24.7
25	5.01	5.64	7.58	8.51	7.60	5.57	6.27	6.87	6.75	6.88	7.41	7.94	8.45	9.00	9.62	10.3	11.0	11.5	11.7
30	2.70	3.12	3.24	2.74	2.49	2.67	2.80	2.74	2.64	2.60	2.83	3.05	3.13	3.06	2.86	2.63	2.51	2.64	3.04
35	1.76	2.05	1.65	1.48	1.62	1.59	1.44	1.36	1.40	1.53	1.57	1.60	1.62	1.64	1.67	1.71	1.76	1.79	1.80
40	1.28	1.22	1.09	1.07	1.01	0.93	0.93	0.93	0.94	0.95	1.00	1.08	1.10	1.09	1.08	1.06	1.04	1.06	1.09
45	1.13	1.02	0.96	0.90	0.84	0.81	0.80	0.79	0.82	0.83	0.85	0.89	0.92	0.94	0.96	0.98	0.99	0.99	0.99
50	1.00	0.94	0.89	0.83	0.77	0.77	0.77	0.77	0.80	0.83	0.84	0.88	0.89	0.91	0.93	0.93	0.93	0.93	0.92
55	0.93	0.89	0.84	0.79	0.77	0.76	0.77	0.80	0.83	0.86	0.79	0.85	0.89	0.90	0.90	0.91	0.91	0.91	0.91
60	0.90	0.86	0.81	0.78	0.76	0.77	0.81	0.84	0.85	0.86	0.87	0.86	0.88	0.89	0.89	0.89	0.90	0.90	0.88
65	0.87	0.82	0.78	0.76	0.77	0.79	0.81	0.84	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.88	0.87
70	0.82	0.78	0.76	0.77	0.79	0.82	0.84	0.85	0.84	0.84	0.84	0.85	0.84	0.85	0.85	0.85	0.86	0.85	0.86
75	0.79	0.77	0.76	0.80	0.82	0.81	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85
80	0.76	0.79	0.81	0.81	0.83	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.82	0.83	0.83	0.83	0.83	0.83
85	0.81	0.81	0.81	0.81	0.81	0.61	0.45	0.34	0.25	0.18	0.13	0.09	0.05	0.03	0.01	0.00	0.00	0.00	0.01
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:AED  
Test Date:2024-03-26

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:5.780m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.19V I:0.0224A P:2.3592W PF:0.4789 Freq:50.00Hz Lamp Flux:91.8883x1 lm		
NAME: 6428	TYPE:	WEIGHT:
SPEC.:2W	DIM.:	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:15°

Table--4

UNIT: cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636				
5	429	438	447	455	464	472	479	486	493	499	506	513	521	529	539				
10	233	239	246	257	268	282	298	315	335	355	351	344	339	334	332				
15	132	134	133	130	125	117	108	106	127	148	168	187	176	160	147				
20	30.4	37.7	45.5	52.6	58.4	61.9	58.2	48.0	38.4	30.0	41.5	54.8	65.8	57.7	46.9				
25	11.5	10.8	9.76	8.58	7.45	8.81	14.7	17.2	17.4	12.9	9.90	11.2	15.4	17.5	13.5				
30	3.61	4.16	4.56	4.73	4.75	4.13	3.58	3.10	4.44	5.33	4.91	4.03	4.61	6.01	5.46				
35	1.79	1.75	1.69	1.62	1.62	2.02	2.22	2.15	1.86	1.91	2.43	2.35	2.00	2.63	2.73				
40	1.14	1.19	1.22	1.25	1.25	1.19	1.01	1.15	1.30	1.26	1.17	1.47	1.42	1.48	1.72				
45	0.97	0.96	0.92	0.87	0.87	0.93	0.90	0.85	0.82	0.94	0.91	0.94	1.06	1.02	1.18				
50	0.93	0.91	0.90	0.88	0.85	0.80	0.76	0.77	0.77	0.76	0.80	0.82	0.88	0.92	0.97				
55	0.90	0.89	0.88	0.86	0.83	0.82	0.80	0.75	0.73	0.74	0.72	0.77	0.81	0.87	0.91				
60	0.89	0.88	0.87	0.87	0.85	0.84	0.81	0.79	0.77	0.73	0.73	0.73	0.78	0.84	0.87				
65	0.87	0.87	0.86	0.86	0.85	0.84	0.83	0.81	0.80	0.77	0.73	0.73	0.75	0.81	0.85				
70	0.86	0.86	0.85	0.85	0.84	0.84	0.84	0.83	0.82	0.80	0.77	0.74	0.73	0.78	0.82				
75	0.84	0.84	0.84	0.84	0.84	0.85	0.83	0.83	0.82	0.81	0.80	0.78	0.75	0.75	0.79				
80	0.84	0.83	0.83	0.83	0.84	0.83	0.83	0.84	0.82	0.82	0.81	0.81	0.79	0.75	0.77				
85	0.03	0.05	0.09	0.13	0.18	0.25	0.34	0.45	0.60	0.81	0.82	0.82	0.81	0.80	0.75				
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:AED  
Test Date:2024-03-26

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:5.780m [K=1.0000]  
Remarks: