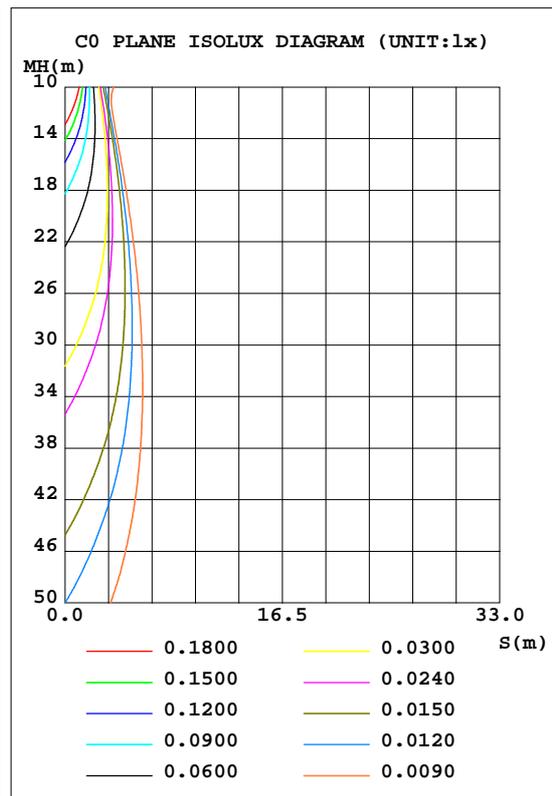
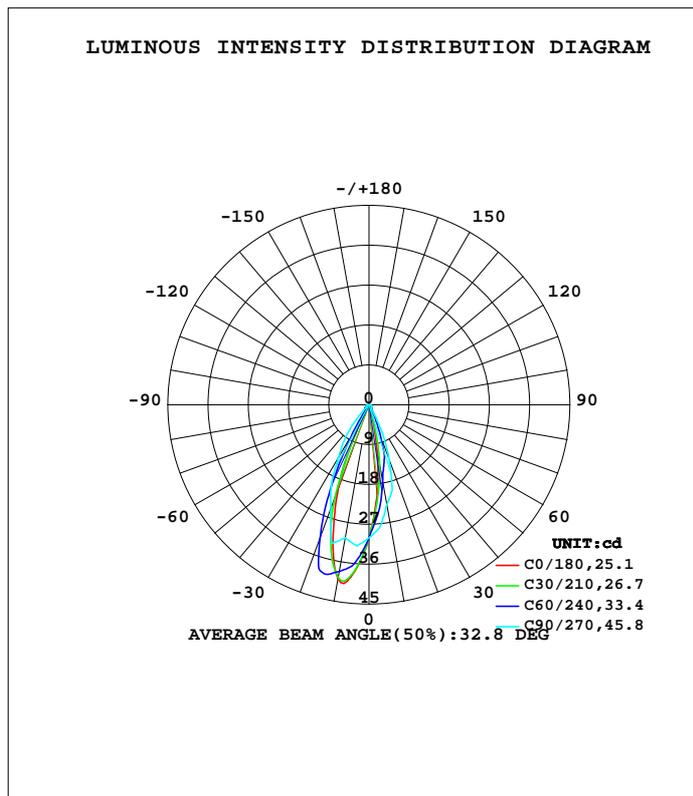


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi$ 2.5*5.2	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax(cd)	40.73	S/MH(C0/180)	0.63
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.87
RATED VOLTAGE(V)		TOTAL FLUX(lm)	15.487	h UP, DN(C0-180)	0.0,40.9
NOMINAL FLUX(lm)	15.4866	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,59.1
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:NORDECOR  
 Test Date:2025-06-27

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=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	10.53	15.63	22.93	31.56	39.93	39.97	30.49	17.71	0- 10	2.706	2.706	17.5,17.5
20	1.101	3.677	13.27	14.20	20.28	28.05	24.99	4.396	10- 20	5.527	8.233	53.2,53.2
30	0.7917	1.054	1.035	1.572	0.9978	5.255	13.54	1.143	20- 30	3.277	11.51	74.3,74.3
40	0.7663	0.9560	0.8517	1.162	1.060	0.9021	5.065	0.7416	30- 40	1.080	12.59	81.3,81.3
50	0.7363	0.6876	0.7640	1.011	0.8947	0.9636	0.8152	0.7297	40- 50	0.7624	13.35	86.2,86.2
60	0.5997	0.6026	0.7722	0.7972	0.7448	0.7497	0.7936	0.6429	50- 60	0.7080	14.06	90.8,90.8
70	0.5954	0.5593	0.6031	0.7145	0.7086	0.6708	0.6374	0.5704	60- 70	0.6705	14.73	95.1,95.1
80	0.5784	0.4207	0	0.4683	0.6532	0.5039	0	0.4268	70- 80	0.5823	15.31	98.9,98.9
90	0.4610	0	0	0	0.4567	0	0	0	80- 90	0.1725	15.49	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): 12.993 lm

%lum = 83.9%  
%lamp = 83.9%

Conical surface Flux(120deg): 14.061 lm

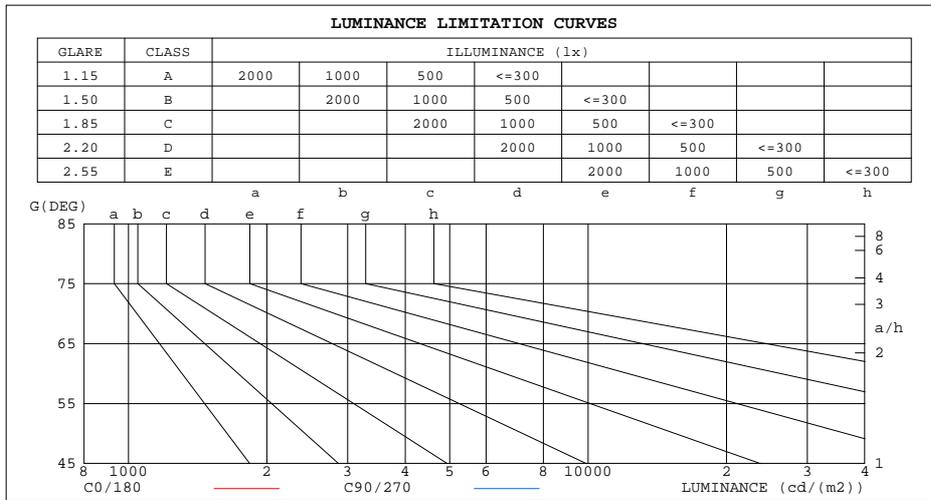
%lum = 90.8%  
%lamp = 90.8%

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:NORDECOR  
Test Date:2025-06-27

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=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi$ 2.5*5.2	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	56	0
80	33	0
75	23	20
70	17	18
65	14	17
60	12	15
55	12	14
50	11	12
45	11	11

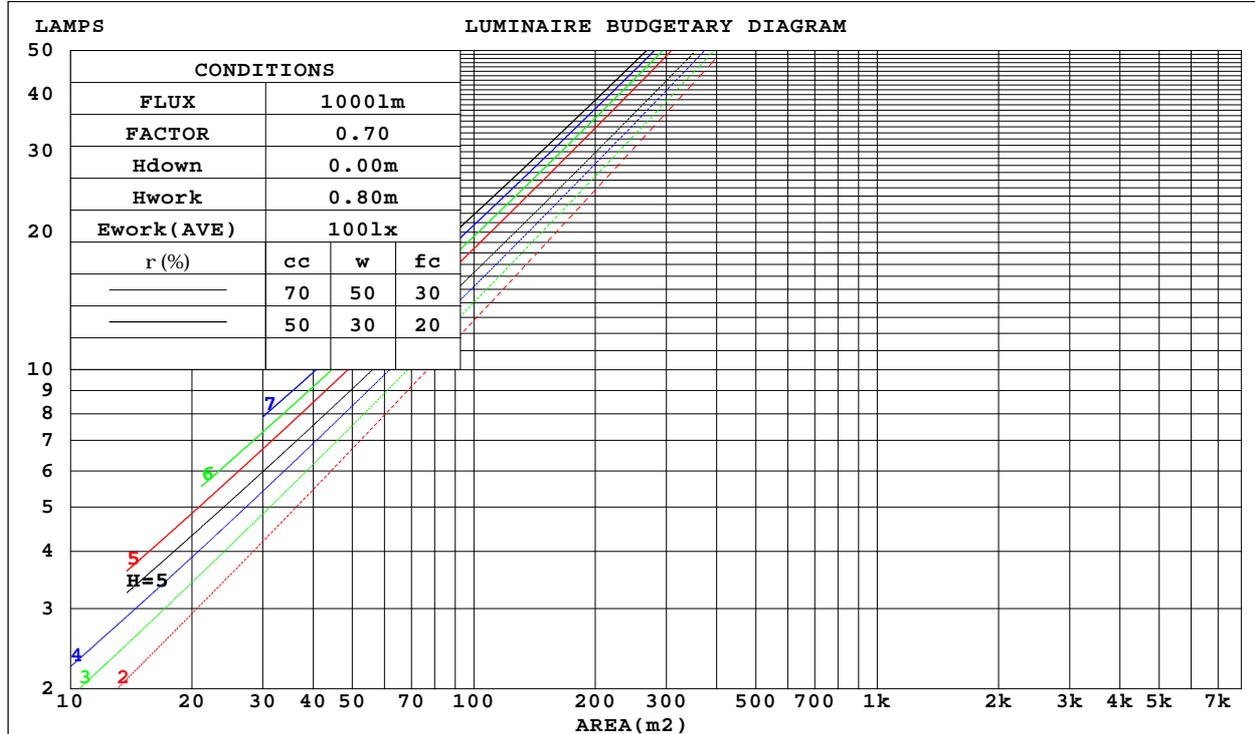
H(b) Range:-90 - 90DEG  
H(b) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:NORDECOR  
Test Date:2025-06-27

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=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi$ 2.5*5.2	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

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	1.00
1.0	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.96	.94	.93	.91
2.0	1.01	.96	.92	.99	.95	.91	.96	.92	.89	.93	.90	.87	.90	.88	.85	.84
3.0	.94	.88	.84	.92	.87	.83	.90	.85	.82	.87	.84	.81	.85	.82	.79	.78
4.0	.88	.82	.78	.87	.81	.77	.85	.80	.76	.82	.79	.75	.81	.77	.74	.73
5.0	.83	.77	.72	.82	.76	.72	.80	.75	.71	.78	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.68	.78	.72	.68	.76	.71	.67	.75	.70	.67	.73	.69	.66	.65
7.0	.74	.69	.64	.74	.68	.64	.73	.67	.64	.71	.67	.63	.70	.66	.63	.62
8.0	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.60	.67	.63	.60	.59
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.66	.61	.58	.65	.61	.58	.56
10.0	.65	.59	.56	.65	.59	.56	.64	.59	.56	.63	.59	.55	.62	.58	.55	.54



H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:NORDECOR  
Test Date:2025-06-27

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=1.0000]  
Remarks:

WEC AND CCEC

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi$ 2.5*5.2	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

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	.210	.119	.038	.203	.116	.037	.190	.109	.035	.178	.103	.033	.168	.097	.031	
2.0	.193	.106	.032	.187	.103	.032	.177	.098	.030	.167	.093	.029	.157	.089	.028	
3.0	.178	.095	.028	.173	.093	.028	.164	.089	.027	.155	.085	.026	.147	.081	.025	
4.0	.164	.085	.025	.160	.084	.025	.152	.081	.024	.145	.078	.023	.138	.075	.023	
5.0	.153	.078	.023	.149	.077	.022	.142	.074	.022	.136	.072	.021	.130	.069	.021	
6.0	.143	.072	.021	.140	.071	.020	.134	.069	.020	.128	.067	.020	.123	.065	.019	
7.0	.134	.066	.019	.132	.066	.019	.126	.064	.018	.121	.062	.018	.117	.061	.018	
8.0	.127	.062	.017	.124	.061	.017	.120	.060	.017	.115	.058	.017	.111	.057	.017	
9.0	.120	.058	.016	.118	.057	.016	.114	.056	.016	.110	.055	.016	.106	.054	.016	
10.0	.114	.055	.015	.112	.054	.015	.108	.053	.015	.105	.052	.015	.102	.051	.015	

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	.173	.157	.142	.148	.135	.122	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.159	.132	.110	.136	.114	.095	.093	.079	.066	.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	.136	.099	.071	.117	.086	.062	.080	.060	.043	.046	.035	.026	.015	.011	.008	
5.0	.127	.088	.059	.109	.076	.051	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.118	.078	.049	.102	.068	.043	.070	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.111	.070	.042	.096	.061	.037	.066	.043	.026	.038	.025	.015	.012	.008	.005	
8.0	.105	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.054	.028	.081	.047	.024	.056	.033	.017	.033	.020	.010	.011	.006	.003	

H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:NORDECOR  
Test Date:2025-06-27

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=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm										
NAME: 2840					TYPE:			WEIGHT:		
SPEC.:1W					DIM.: $\phi$ 2.5*5.2			SERIAL No.:01		
MFR.: NORDECOR					SUR.:			Shielding Angle:25°		
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	7.0	8.0	7.2	8.2	8.3	7.3	8.3	7.6	8.5	8.6
3H	10.0	10.9	10.2	11.1	11.3	10.1	11.0	10.3	11.2	11.4
4H	11.7	12.6	12.0	12.8	13.0	11.5	12.4	11.8	12.6	12.8
6H	13.7	14.5	14.0	14.8	15.0	11.8	12.6	12.1	12.9	13.1
8H	14.9	15.7	15.2	15.9	16.2	11.7	12.5	12.1	12.8	13.1
12H	16.1	16.8	16.4	17.1	17.4	11.7	12.5	12.0	12.7	13.0
4H 2H	8.0	8.9	8.3	9.1	9.4	8.3	9.2	8.6	9.4	9.6
3H	11.2	12.0	11.5	12.2	12.5	11.3	12.0	11.6	12.3	12.6
4H	13.1	13.8	13.5	14.1	14.4	12.9	13.6	13.2	13.9	14.2
6H	15.3	15.9	15.6	16.2	16.6	13.2	13.8	13.6	14.2	14.5
8H	16.5	17.1	16.9	17.4	17.8	13.1	13.7	13.5	14.1	14.5
12H	17.9	18.4	18.3	18.8	19.2	13.1	13.6	13.5	14.0	14.4
8H 4H	13.8	14.4	14.2	14.8	15.1	13.6	14.2	14.0	14.6	15.0
6H	16.3	16.8	16.7	17.1	17.6	14.0	14.5	14.4	14.9	15.3
8H	17.7	18.1	18.1	18.5	19.0	14.0	14.4	14.4	14.8	15.2
12H	19.2	19.6	19.7	20.1	20.5	13.9	14.3	14.4	14.7	15.2
12H 4H	13.8	14.4	14.2	14.7	15.1	13.9	14.4	14.3	14.8	15.2
6H	16.3	16.7	16.7	17.1	17.6	14.2	14.7	14.7	15.1	15.5
8H	17.7	18.1	18.2	18.5	19.0	14.2	14.6	14.7	15.0	15.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.2				
2.0H	+ 0.2 / - 0.3					+ 0.5 / - 0.5				

CIE Pub.117, 15.49 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -14.5)  
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:NORDECOR  
Test Date:2025-06-27

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=1.0000]  
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi$ 2.5*5.2	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

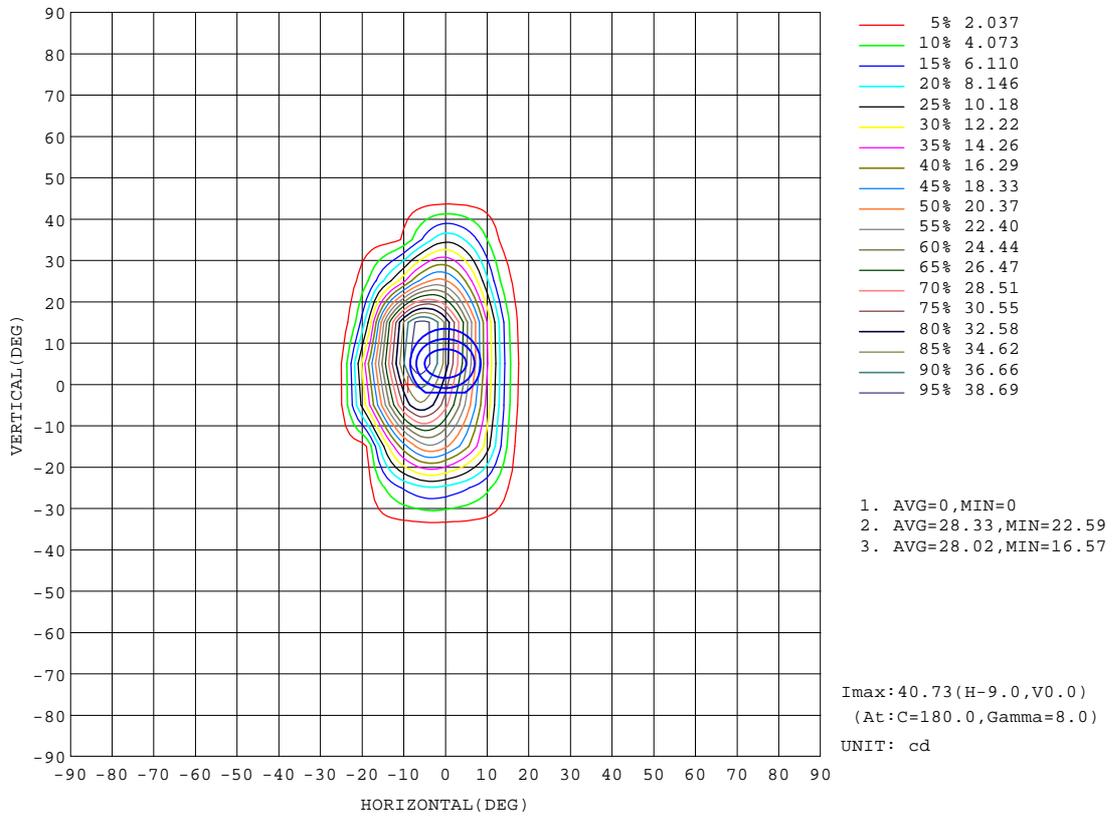
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	80	73	68	80	73	68	79	72	68	64
0.80	88	81	76	87	80	76	86	80	76	71
1.00	93	86	81	92	85	81	90	86	80	76
1.25	97	91	86	96	90	86	94	89	85	80
1.50	101	94	90	99	94	90	97	92	89	83
2.00	104	99	95	103	98	94	100	96	92	86
2.50	107	102	98	105	100	97	102	98	95	88
3.00	109	104	101	107	103	100	103	100	97	90
4.00	111	108	105	109	106	103	105	103	101	93
5.00	113	110	107	111	108	106	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:NORDECOR  
Test Date:2025-06-27

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=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi$ 2.5*5.2	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°



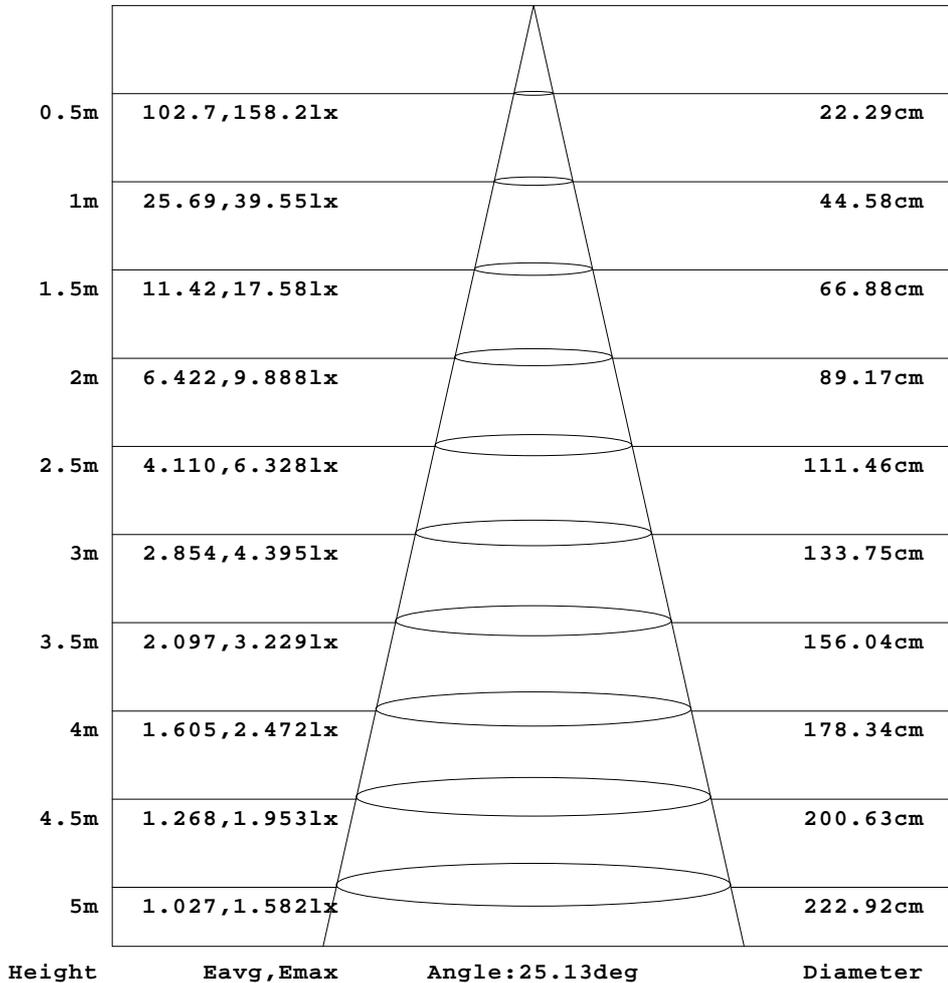
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:NORDECOR  
 Test Date:2025-06-27

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=1.0000]  
 Remarks:

AAI Figure

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi$ 2.5*5.2	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

Flux out:4.301 lm



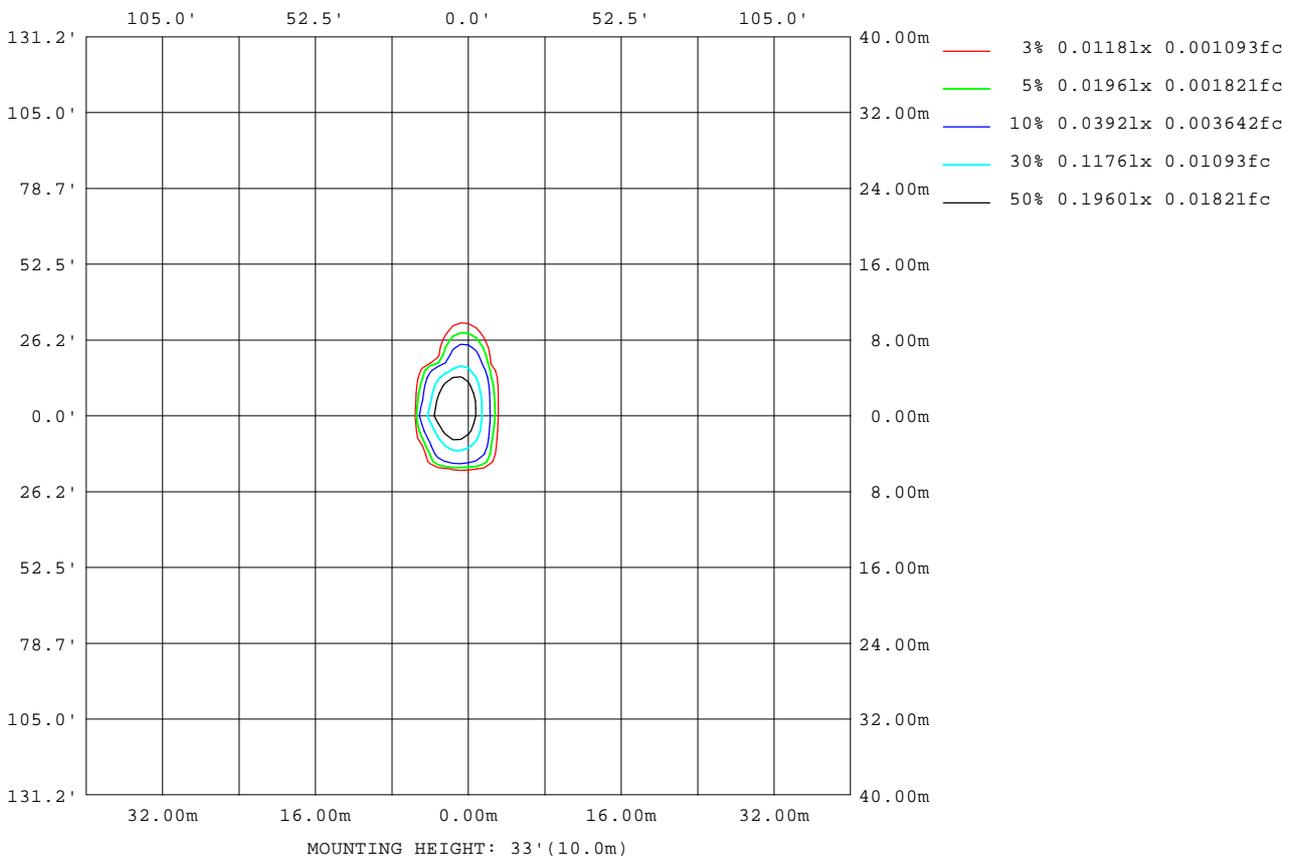
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:NORDECOR  
 Test Date:2025-06-27

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=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi 2.5 \times 5.2$	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:NORDECOR  
 Test Date:2025-06-27

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=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi$ 2.5*5.2	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

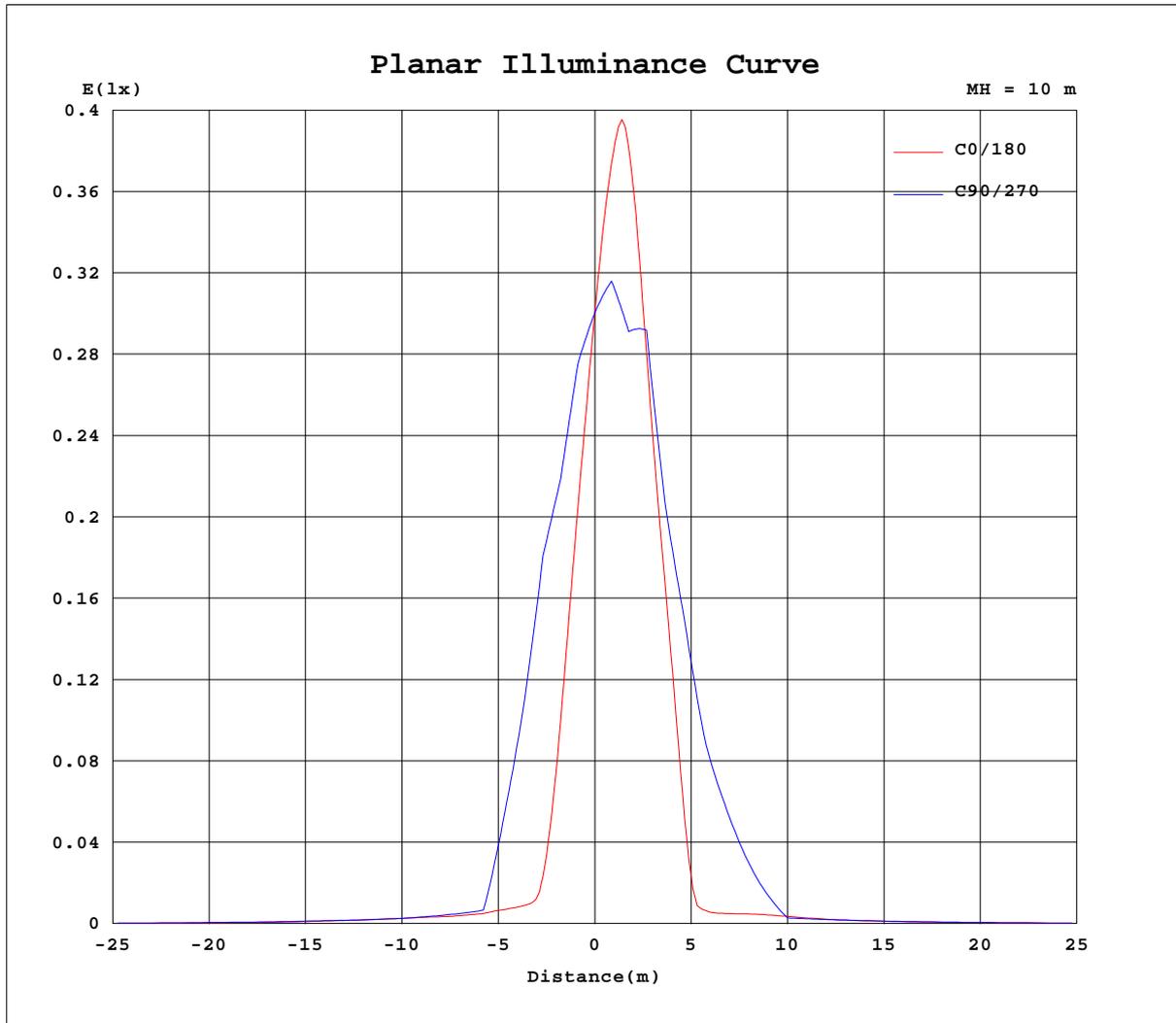
AvgL	cd/m2
L_0~180(65)av	16
L_0~180(75)av	25
L_0~180(85)av	62
L_90~270(65)av	17
L_90~270(75)av	21
L_90~270(85)av	0
L_45(65)av	16
L_45(75)av	23
L_45(85)av	0

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:NORDECOR  
 Test Date:2025-06-27

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=1.0000]  
 Remarks:

Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:NORDECOR  
 Test Date:2025-06-27

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=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi$ 2.5*5.2	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
5	20.7	20.7	20.8	20.9	21.1	21.4	21.7	22.1	22.5	22.9	23.4	23.9	24.4	25.0	25.5	26.1	26.7	27.3	27.9
10	10.5	10.8	11.2	11.7	12.4	13.2	14.1	14.5	15.0	15.6	16.3	17.0	17.8	18.5	19.3	20.2	21.1	22.0	22.9
15	2.59	2.87	3.29	3.87	4.49	4.80	5.23	5.85	6.63	8.09	9.82	11.6	13.2	14.6	16.0	17.1	18.2	19.2	20.1
20	1.10	1.10	1.11	1.12	1.12	1.12	1.15	1.43	2.23	3.68	5.25	6.59	7.90	9.08	10.1	10.9	11.7	12.5	13.3
25	0.96	0.97	0.98	0.98	0.97	0.97	0.98	0.97	1.02	1.12	1.34	2.10	3.31	4.52	5.51	6.15	6.59	6.97	7.38
30	0.79	0.81	0.83	0.82	0.83	0.90	0.95	0.97	1.01	1.05	1.10	1.25	1.65	1.99	2.05	1.84	1.50	1.20	1.04
35	0.74	0.76	0.77	0.77	0.77	0.78	0.81	0.88	0.99	1.05	1.10	1.15	1.14	1.11	1.07	1.03	1.00	0.96	0.94
40	0.77	0.76	0.77	0.79	0.80	0.78	0.78	0.83	0.89	0.96	0.99	0.99	0.96	0.94	0.90	0.88	0.86	0.85	0.85
45	0.76	0.75	0.73	0.74	0.73	0.73	0.72	0.73	0.78	0.81	0.82	0.81	0.79	0.76	0.73	0.72	0.72	0.73	0.77
50	0.74	0.71	0.69	0.68	0.68	0.67	0.66	0.67	0.68	0.69	0.67	0.66	0.66	0.64	0.66	0.67	0.68	0.71	0.76
55	0.71	0.70	0.69	0.67	0.65	0.65	0.63	0.62	0.64	0.63	0.63	0.63	0.63	0.63	0.64	0.64	0.66	0.70	0.80
60	0.60	0.59	0.59	0.60	0.60	0.60	0.58	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.62	0.62	0.62	0.67	0.77
65	0.60	0.59	0.58	0.58	0.58	0.56	0.56	0.55	0.57	0.58	0.58	0.60	0.60	0.59	0.59	0.59	0.59	0.63	0.71
70	0.60	0.58	0.58	0.57	0.57	0.57	0.56	0.55	0.56	0.56	0.56	0.57	0.57	0.56	0.56	0.55	0.55	0.56	0.60
75	0.59	0.57	0.57	0.56	0.56	0.56	0.55	0.55	0.54	0.54	0.54	0.53	0.54	0.52	0.52	0.51	0.51	0.51	0.52
80	0.58	0.56	0.56	0.55	0.55	0.54	0.54	0.54	0.53	0.42	0.31	0.22	0.16	0.10	0.06	0.04	0.02	0.00	0.00
85	0.49	0.55	0.55	0.54	0.47	0.18	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	0.46	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:2025-06-27

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=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi$ 2.5*5.2	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
5	28.5	29.1	29.7	30.3	30.9	31.5	32.1	32.6	33.2	33.8	34.4	34.9	35.4	36.0	36.5	37.0	37.4	37.8	37.9
10	23.9	24.9	25.9	26.9	27.9	28.9	29.8	30.7	31.6	32.2	32.8	33.4	34.2	35.1	36.1	37.3	38.6	39.9	39.6
15	21.0	21.8	22.5	23.0	23.3	23.6	23.9	24.2	24.7	25.0	25.0	24.9	24.8	24.9	25.9	27.4	29.2	31.2	30.3
20	14.1	15.1	15.9	16.4	16.4	16.1	15.6	14.8	14.2	14.1	14.1	14.4	14.1	13.8	13.9	15.4	17.7	20.3	18.5
25	7.90	8.45	8.89	9.15	9.32	9.41	9.19	8.42	6.48	3.98	1.85	3.21	4.40	4.81	4.41	4.24	5.47	6.97	5.59
30	1.12	1.49	2.00	2.61	3.19	3.47	3.19	2.51	1.57	1.05	0.92	0.86	0.99	0.97	0.95	0.93	0.95	1.00	0.95
35	0.93	0.91	0.86	0.85	0.85	0.85	0.87	0.93	0.99	1.03	1.01	0.98	0.95	0.96	0.95	0.97	0.96	0.92	0.95
40	0.88	0.91	0.92	0.97	1.03	1.10	1.11	1.10	1.16	1.19	1.13	1.06	1.04	1.05	1.05	1.05	1.05	1.06	1.11
45	0.85	0.95	1.05	1.15	1.27	1.34	1.29	1.23	1.16	1.12	1.08	0.97	0.95	0.95	0.94	0.98	0.98	1.05	1.05
50	0.86	0.98	1.11	1.27	1.44	1.46	1.29	1.11	1.01	0.93	0.88	0.85	0.84	0.86	0.85	0.86	0.85	0.89	0.88
55	0.92	1.06	1.21	1.33	1.34	1.23	1.06	0.91	0.82	0.84	0.83	0.81	0.80	0.80	0.80	0.79	0.77	0.76	0.76
60	0.92	1.09	1.26	1.34	1.17	0.92	0.81	0.80	0.80	0.81	0.81	0.79	0.77	0.77	0.76	0.76	0.75	0.74	0.73
65	0.82	0.95	1.09	1.11	0.93	0.72	0.69	0.76	0.77	0.76	0.76	0.74	0.73	0.73	0.74	0.74	0.74	0.73	0.71
70	0.66	0.74	0.82	0.84	0.73	0.62	0.66	0.70	0.71	0.72	0.69	0.69	0.70	0.70	0.69	0.70	0.71	0.71	0.71
75	0.53	0.53	0.55	0.58	0.58	0.58	0.61	0.63	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.67	0.68	0.69	0.68
80	0.00	0.02	0.04	0.07	0.11	0.17	0.25	0.35	0.47	0.59	0.60	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.65
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	0.20	0.52	0.60	0.61	0.60	0.60	0.63
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	0.46	0.00

H(B) Range:-90 - 90DEG  
H(B) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:NORDECOR  
Test Date:2025-06-27

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=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\phi$ 2.5*5.2	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
5	37.9	37.9	37.8	37.7	37.6	37.4	37.2	36.9	36.6	36.2	35.7	35.2	34.7	34.1	33.4	32.7	32.0	31.2	30.5
10	39.4	39.3	39.3	39.4	39.6	39.9	40.0	40.0	39.5	38.9	38.2	37.2	36.1	34.8	33.4	32.0	30.5	28.9	27.4
15	29.8	29.6	29.9	31.4	33.1	34.8	36.5	37.6	38.4	39.1	39.4	39.2	38.7	37.7	36.3	34.5	32.4	30.2	27.7
20	17.2	16.7	18.1	20.1	22.4	23.7	25.7	28.0	30.1	31.3	32.1	32.2	31.6	30.6	29.0	27.1	25.0	22.6	20.2
25	4.56	5.33	6.80	7.60	7.87	8.59	11.6	15.1	17.8	18.8	19.3	19.8	20.4	20.8	21.2	21.0	20.0	18.2	15.9
30	0.94	1.02	1.10	1.22	1.36	2.40	4.06	5.26	6.27	6.89	7.22	7.42	8.76	10.6	12.7	13.8	13.5	12.0	9.77
35	0.94	0.92	0.91	0.91	0.93	0.99	1.04	1.24	1.47	1.18	1.23	1.64	2.84	5.08	7.31	9.06	9.50	8.59	6.87
40	1.12	1.13	1.10	1.03	1.03	1.03	0.97	0.90	0.91	0.97	1.09	1.18	1.57	2.85	4.23	5.10	5.07	4.38	3.38
45	1.13	1.18	1.18	1.13	1.12	1.13	1.05	1.01	1.01	1.05	1.12	1.14	1.12	1.19	1.12	0.92	0.83	0.91	1.02
50	0.94	0.97	0.98	0.98	1.02	0.99	0.97	0.96	1.01	1.11	1.15	1.10	0.98	0.90	0.87	0.84	0.82	0.79	0.79
55	0.77	0.80	0.79	0.82	0.83	0.85	0.83	0.80	0.88	0.96	0.97	0.95	0.89	0.86	0.87	0.86	0.82	0.75	0.73
60	0.72	0.70	0.71	0.72	0.74	0.74	0.75	0.75	0.76	0.77	0.78	0.78	0.77	0.81	0.88	0.88	0.79	0.69	0.66
65	0.69	0.67	0.67	0.67	0.68	0.70	0.70	0.70	0.69	0.66	0.66	0.67	0.68	0.73	0.78	0.78	0.74	0.65	0.62
70	0.69	0.67	0.65	0.65	0.66	0.67	0.67	0.67	0.67	0.65	0.64	0.63	0.64	0.66	0.69	0.67	0.64	0.60	0.58
75	0.67	0.65	0.64	0.65	0.65	0.64	0.65	0.64	0.64	0.63	0.61	0.60	0.60	0.59	0.59	0.58	0.57	0.55	0.54
80	0.65	0.64	0.63	0.63	0.63	0.63	0.64	0.50	0.37	0.27	0.18	0.12	0.07	0.04	0.02	0.00	0.00	0.00	0.02
85	0.63	0.62	0.53	0.21	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:2025-06-27

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=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.17V I:0.0130A P:1.1534W PF:0.4029 Freq:50.00Hz Lamp Flux:15.4866x1 lm		
NAME: 2840	TYPE:	WEIGHT:
SPEC.:1W	DIM.: $\Phi$ 2.5*5.2	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:25°

Table--4

UNIT: cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0				
5	29.7	28.9	28.1	27.2	26.5	25.7	24.9	24.2	23.6	23.0	22.5	22.0	21.6	21.2	20.9				
10	25.8	24.2	22.8	21.4	20.0	18.8	17.7	16.7	15.9	15.2	14.1	13.1	12.2	11.5	10.9				
15	25.1	22.5	19.7	16.9	14.2	11.6	9.29	7.43	6.43	5.66	5.14	4.75	4.05	3.40	2.92				
20	17.7	15.1	12.6	10.2	8.11	6.32	4.40	2.72	1.77	1.39	1.31	1.27	1.23	1.18	1.14				
25	13.1	9.95	6.88	4.29	2.55	1.68	1.42	1.31	1.25	1.17	1.09	1.05	1.03	1.01	0.98				
30	7.18	4.72	2.86	1.97	1.48	1.27	1.14	1.04	1.00	1.00	0.96	0.87	0.84	0.84	0.81				
35	4.58	2.34	1.32	1.25	1.15	1.01	0.91	0.86	0.81	0.77	0.76	0.74	0.73	0.74	0.74				
40	2.21	1.27	1.07	1.06	0.95	0.81	0.74	0.74	0.76	0.77	0.75	0.74	0.75	0.76	0.75				
45	0.98	0.88	0.88	0.84	0.78	0.74	0.72	0.77	0.83	0.82	0.81	0.79	0.78	0.77	0.77				
50	0.78	0.77	0.76	0.74	0.73	0.72	0.73	0.76	0.80	0.79	0.78	0.75	0.75	0.74	0.73				
55	0.72	0.71	0.71	0.69	0.69	0.69	0.69	0.70	0.70	0.71	0.70	0.70	0.68	0.69	0.70				
60	0.66	0.66	0.66	0.66	0.65	0.65	0.64	0.64	0.63	0.63	0.64	0.61	0.62	0.60	0.60				
65	0.62	0.61	0.62	0.62	0.61	0.61	0.60	0.60	0.59	0.58	0.58	0.59	0.59	0.59	0.59				
70	0.58	0.58	0.59	0.59	0.59	0.58	0.57	0.56	0.56	0.56	0.57	0.57	0.58	0.59	0.58				
75	0.54	0.55	0.56	0.56	0.56	0.55	0.55	0.55	0.55	0.55	0.56	0.57	0.57	0.58	0.59				
80	0.04	0.07	0.11	0.17	0.23	0.32	0.43	0.54	0.54	0.55	0.56	0.56	0.57	0.57	0.58				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.48	0.55	0.56	0.56				
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:2025-06-27

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=1.0000]  
Remarks: