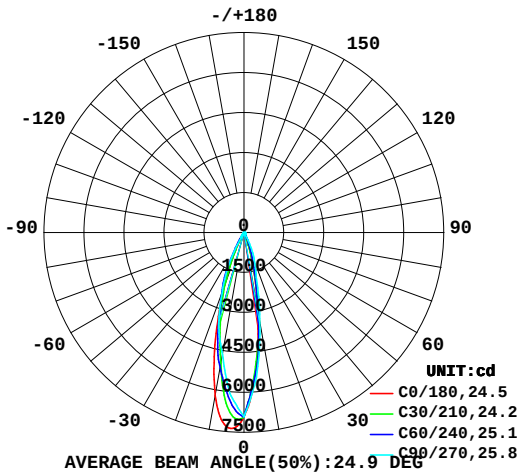
LUMINAIRE PHOTOMETRIC TEST REPORT

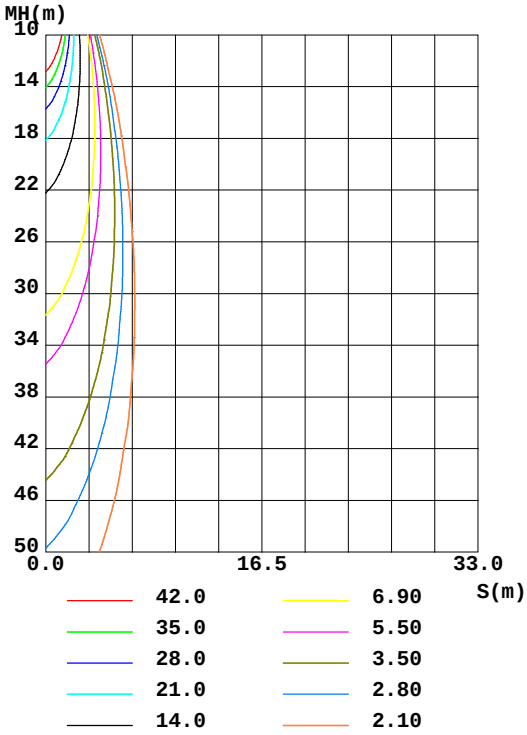
Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.59 lm/W			
MODEL		Imax(cd)	7369	S/MH(C0/180)	0.52
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	1639.8	h UP,DN(C0-180)	0.0,42.1
NOMINAL FLUX(lm)	1639.83	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,57.9
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	h down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-10

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:7.300m [K=1.0000]
Remarks:

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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	3022	3142	3454	4324	6220	5145	4645	3712	0- 10	502.9	502.9	30.7,30.7
20	485.8	610.6	1176	1108	2176	2032	2417	1197	10- 20	698.7	1202	73.3,73.3
30	66.32	95.24	85.05	272.3	267.9	534.2	237.8	161.0	20- 30	311.4	1513	92.3,92.3
40	34.76	30.12	51.22	42.63	55.27	58.38	102.0	35.71	30- 40	60.55	1574	96,96
50	24.01	19.71	29.95	26.97	33.45	28.02	29.35	20.83	40- 50	27.14	1601	97.6,97.6
60	14.89	13.19	21.23	17.38	20.77	16.45	19.85	13.34	50- 60	18.78	1620	98.8,98.8
70	8.529	7.846	12.04	9.834	11.03	9.384	13.11	8.002	60- 70	12.70	1632	99.5,99.5
80	5.438	2.819	0	2.944	6.181	3.852	0	3.807	70- 80	6.550	1639	99.9,99.9
90	3.413	0	0	0	3.523	0	0	0	80- 90	1.050	1640	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): 1589.1 lm

%lum = 96.9%
%lamp = 96.9%

Conical surface Flux(120deg): 1619.5 lm

%lum = 98.8%
%lamp = 98.8%

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-10

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:7.300m [K=1.0000]
Remarks:

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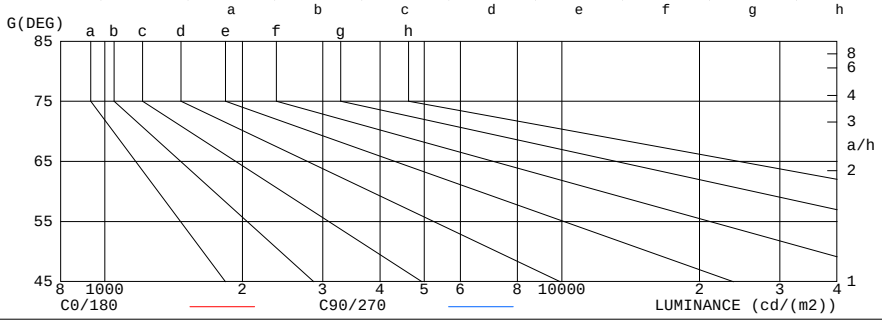
LUMINANCE LIMITATION CURVES

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	466	0
80	313	0
75	260	289
70	249	352
65	264	397
60	298	425
55	336	451
50	374	466
45	405	491

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-10

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:7.300m [K=1.0000]
Remarks:

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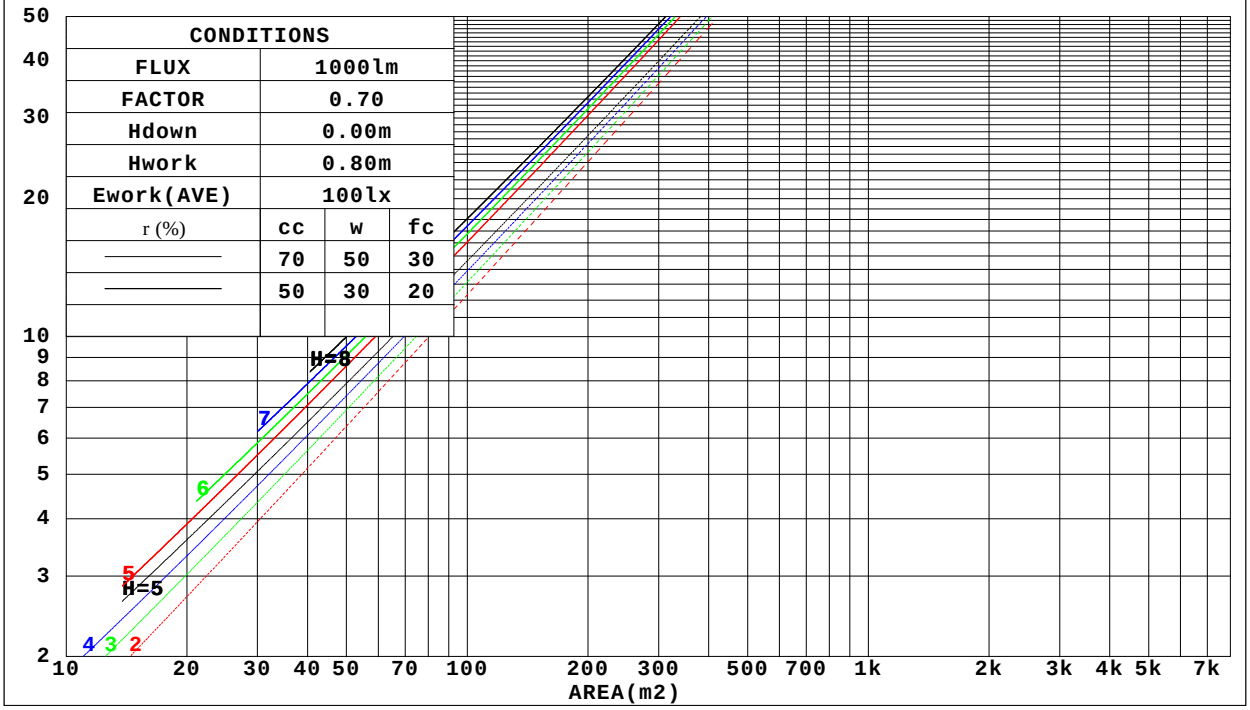
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	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	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.03	1.01	1.00	.99	.98	.97	.96
2.0	1.07	1.03	1.01	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3.0	1.01	.98	.94	1.00	.97	.94	.98	.95	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.93	.89	.96	.92	.89	.94	.91	.88	.92	.89	.87	.90	.88	.86	.85
5.0	.93	.89	.85	.92	.88	.85	.91	.87	.84	.89	.86	.84	.88	.85	.83	.82
6.0	.90	.85	.82	.89	.85	.81	.87	.84	.81	.86	.83	.80	.85	.82	.80	.79
7.0	.86	.82	.79	.86	.81	.78	.85	.81	.78	.83	.80	.78	.83	.80	.77	.76
8.0	.83	.79	.76	.83	.79	.76	.82	.78	.75	.81	.78	.75	.80	.77	.75	.74
9.0	.81	.76	.73	.80	.76	.73	.79	.76	.73	.79	.75	.73	.78	.75	.73	.72
10.0	.78	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.71	.76	.73	.70	.69

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-10

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:7.300m [K=1.0000]
Remarks:

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WEC AND CCEC

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.148	.084	.027	.141	.080	.026	.129	.074	.024	.117	.068	.022	.107	.062	.020	
2.0	.138	.075	.023	.132	.073	.022	.122	.068	.021	.112	.063	.020	.103	.059	.018	
3.0	.128	.068	.020	.124	.066	.020	.115	.062	.019	.107	.059	.018	.100	.055	.017	
4.0	.120	.063	.018	.117	.061	.018	.109	.058	.017	.102	.055	.017	.096	.052	.016	
5.0	.113	.058	.017	.110	.057	.016	.104	.054	.016	.098	.052	.015	.093	.049	.015	
6.0	.107	.054	.015	.104	.053	.015	.099	.051	.015	.094	.049	.014	.089	.047	.014	
7.0	.102	.050	.014	.099	.049	.014	.095	.048	.014	.090	.046	.013	.086	.045	.013	
8.0	.097	.047	.013	.095	.047	.013	.091	.045	.013	.087	.044	.013	.083	.043	.012	
9.0	.093	.045	.013	.091	.044	.012	.087	.043	.012	.084	.042	.012	.080	.041	.012	
10.0	.089	.043	.012	.087	.042	.012	.084	.041	.012	.081	.040	.011	.078	.039	.011	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	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	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.077	.107	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.065	.099	.074	.056	.068	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.106	.076	.054	.091	.066	.047	.063	.046	.034	.037	.027	.020	.012	.009	.007	
7.0	.099	.068	.046	.085	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.092	.061	.040	.080	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.087	.056	.035	.075	.048	.030	.052	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.082	.051	.031	.071	.044	.027	.049	.031	.019	.029	.018	.011	.009	.006	.004	

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-10

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:7.300m [K=1.0000]
Remarks:

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UGR(Unified Glare Rating) Table

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

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	-2.7	-2.0	-2.5	-1.8	-1.7	-0.6	0.1	-0.4	0.3	0.4
3H	-1.7	-1.0	-1.5	-0.9	-0.7	0.8	1.5	1.0	1.7	1.8
4H	-1.2	-0.6	-1.0	-0.4	-0.2	1.3	1.9	1.5	2.1	2.3
6H	-0.7	-0.2	-0.5	0.1	0.3	1.3	1.9	1.6	2.2	2.4
8H	-0.5	0.1	-0.2	0.4	0.6	1.3	1.9	1.6	2.1	2.4
12H	-0.1	0.4	0.2	0.7	1.0	1.2	1.8	1.5	2.0	2.3
4H 2H	-2.1	-1.5	-1.9	-1.3	-1.1	-0.4	0.3	-0.1	0.5	0.7
3H	-1.1	-0.5	-0.8	-0.3	-0.0	1.2	1.8	1.5	2.0	2.3
4H	-0.6	-0.1	-0.3	0.2	0.5	1.8	2.3	2.1	2.6	2.9
6H	-0.0	0.4	0.3	0.7	1.1	1.8	2.3	2.2	2.6	3.0
8H	0.3	0.7	0.7	1.0	1.4	1.8	2.2	2.2	2.5	2.9
12H	0.7	1.0	1.1	1.4	1.8	1.7	2.1	2.1	2.5	2.9
8H 4H	-0.3	0.1	0.1	0.4	0.8	1.8	2.2	2.2	2.6	2.9
6H	0.3	0.7	0.8	1.1	1.5	1.9	2.2	2.3	2.6	3.0
8H	0.7	1.0	1.2	1.5	1.9	1.8	2.1	2.3	2.5	3.0
12H	1.2	1.5	1.7	1.9	2.4	1.8	2.0	2.2	2.5	2.9
12H 4H	-0.4	0.0	0.0	0.4	0.8	1.8	2.2	2.2	2.5	2.9
6H	0.3	0.6	0.8	1.0	1.5	1.9	2.2	2.3	2.6	3.0
8H	0.7	1.0	1.2	1.4	1.9	1.8	2.1	2.3	2.5	3.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				
1.5H	+ 0.5 / - 0.7					+ 0.9 / - 0.4				
2.0H	+ 1.1 / - 1.2					+ 0.6 / - 1.0				

CIE Pub.117, 1640 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.7)
Area: 0.1 m2

H(b) Range:-90 - 90DEG	V(B) Range:-75 - 75DEG
H(b) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Temperature:25.3DEG	Humidity:65.0%
Operators:	Test Distance:7.300m [K=1.0000]
Test Date:2026-08-10	Remarks:

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UTILIZATION FACTORS TABLE

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

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	79	89	83	79	88	83	79	76
0.80	96	91	87	96	90	87	94	90	87	83
1.00	100	95	91	99	94	91	98	94	91	87
1.25	104	99	96	103	98	95	101	97	95	90
1.50	107	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	97
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

H(b) Range:-90 - 90DEG
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V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

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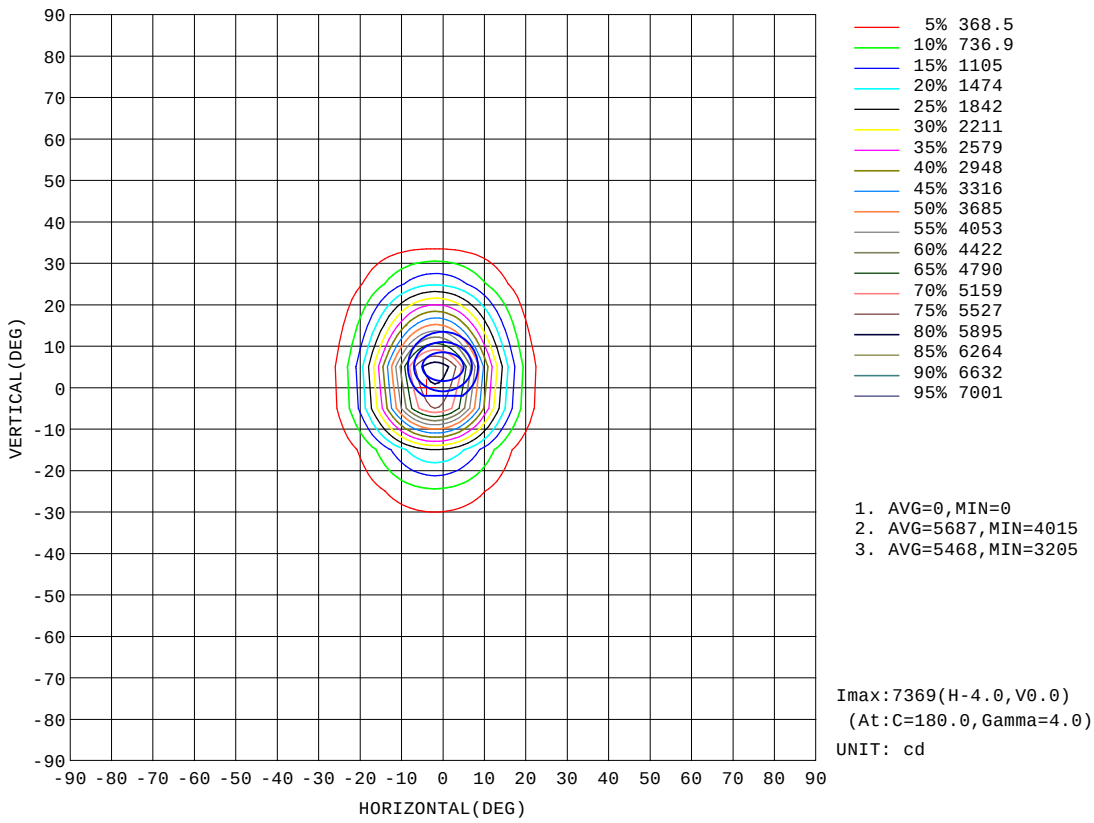
ISOCANDELA DIAGRAM

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



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Remarks:

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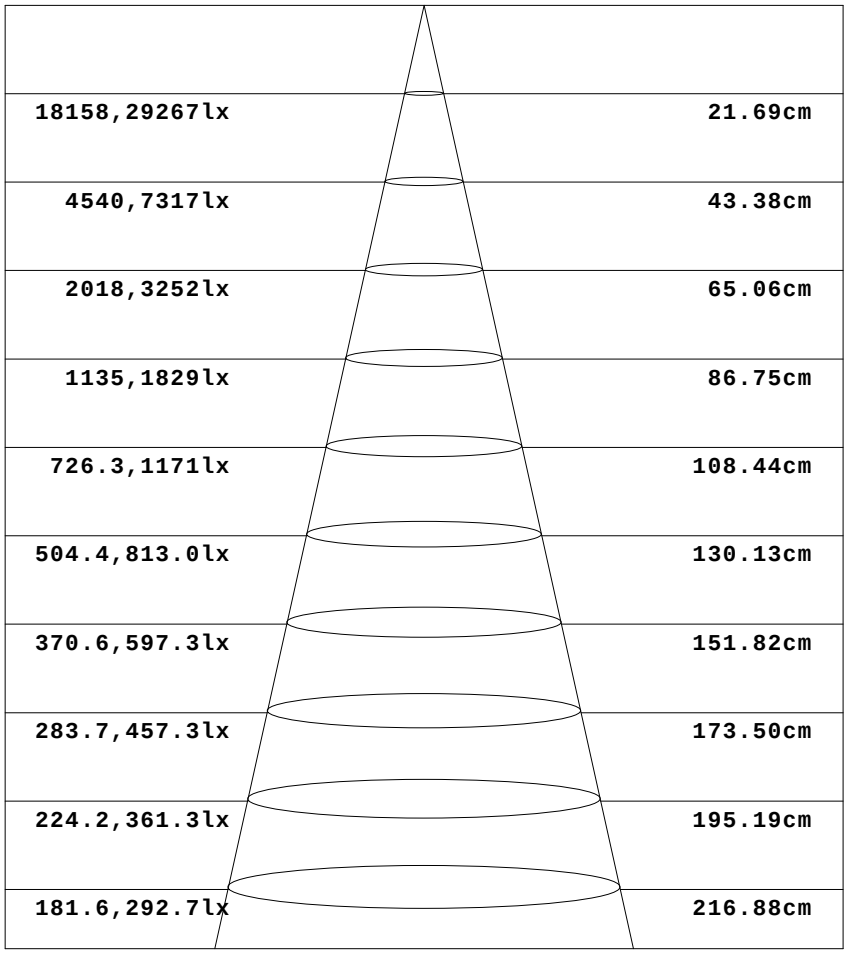
AAI Figure

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Flux out:700.9 lm



Height	Eavg,Emax	Angle:24.47deg	Diameter
0.5m	18158,29267lx		21.69cm
1m	4540,7317lx		43.38cm
1.5m	2018,3252lx		65.06cm
2m	1135,1829lx		86.75cm
2.5m	726.3,1171lx		108.44cm
3m	504.4,813.0lx		130.13cm
3.5m	370.6,597.3lx		151.82cm
4m	283.7,457.3lx		173.50cm
4.5m	224.2,361.3lx		195.19cm
5m	181.6,292.7lx		216.88cm

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

H(b) Range:-90 - 90DEG	V(B) Range:-75 - 75DEG
H(b) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Temperature:25.3DEG	Humidity:65.0%
Operators:	Test Distance:7.300m [K=1.0000]
Test Date:2026-08-10	Remarks:

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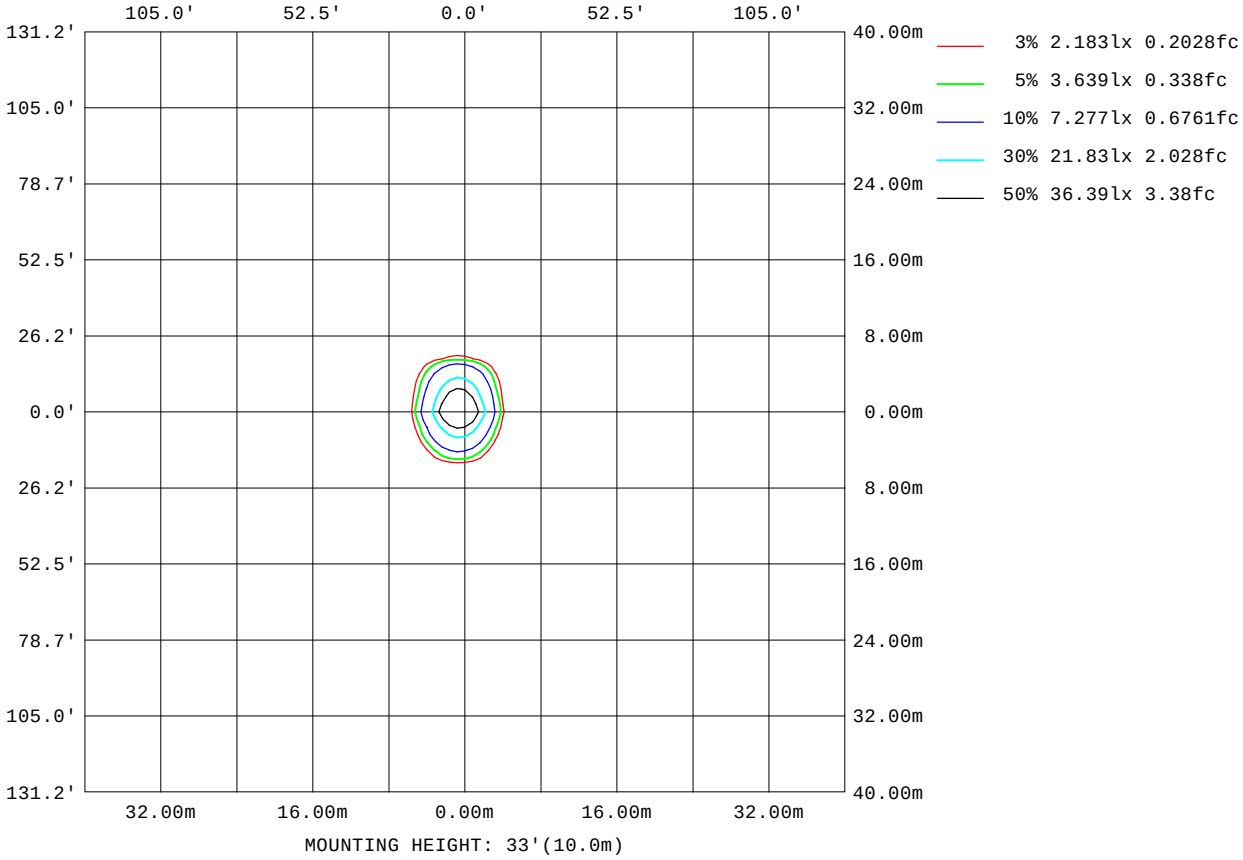
ISOLUX DIAGRAM

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-10

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:7.300m [K=1.0000]
Remarks:

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LED Avg.L Report

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

AvgL	cd/m2
L_0~180(65)av	315
L_0~180(75)av	283
L_0~180(85)av	509
L_90~270(65)av	395
L_90~270(75)av	334
L_90~270(85)av	0
L_45(65)av	277
L_45(75)av	238
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:2026-08-10

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:7.300m [K=1.0000]
Remarks:

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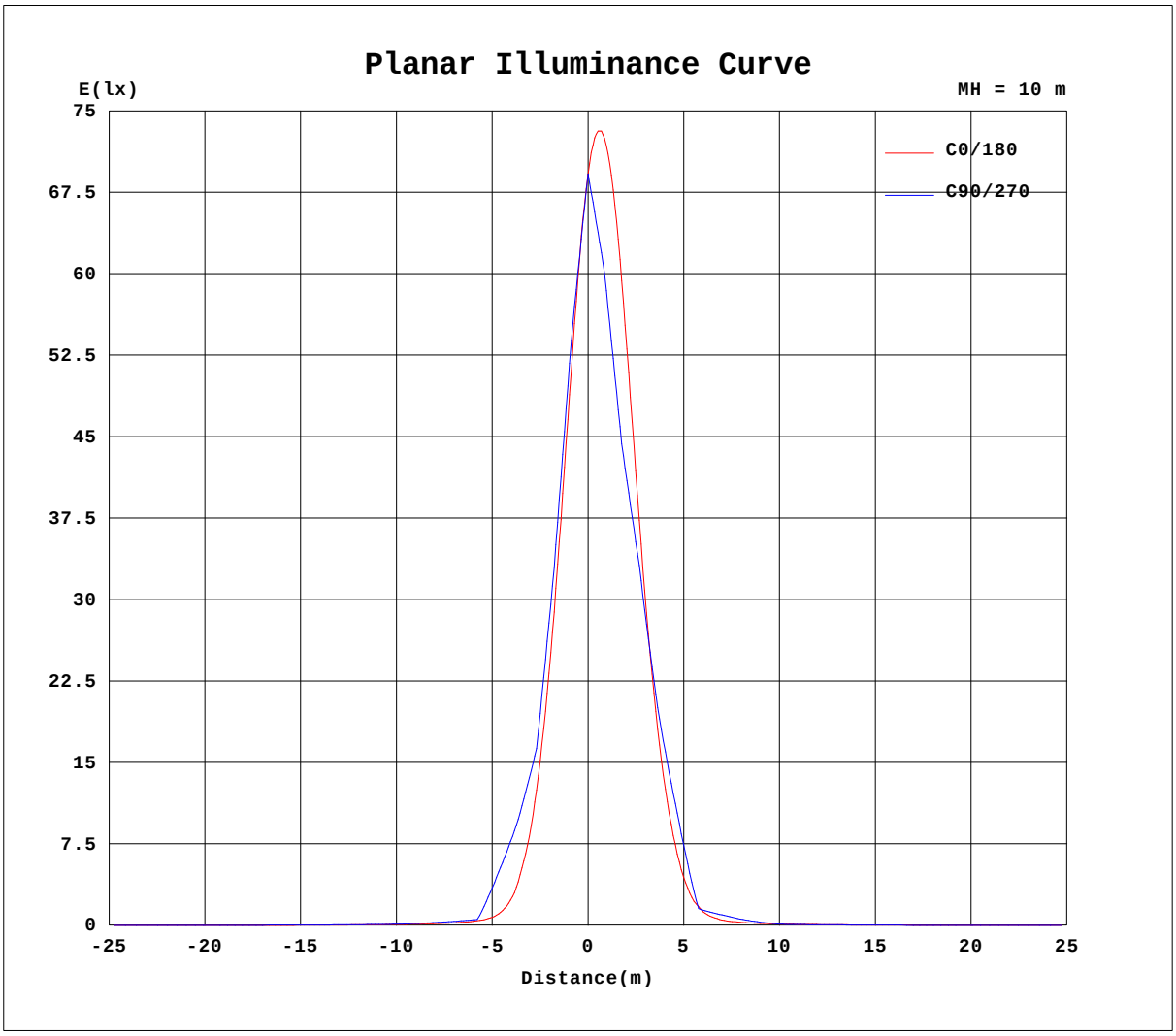
Planar Illuminance Curve



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-10

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:7.300m [K=1.0000]
Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

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	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922
5	5170	5117	5079	5055	5044	5046	5059	5082	5106	5131	5162	5196	5232	5273	5305	5337	5372	5405	5448
10	3022	3016	3039	3089	3162	3253	3341	3256	3189	3142	3109	3091	3091	3111	3141	3197	3273	3352	3454
15	1384	1423	1491	1585	1656	1564	1475	1387	1312	1353	1429	1504	1569	1627	1669	1710	1742	1773	1811
20	486	531	596	644	578	507	451	497	553	611	671	724	776	835	896	960	1029	1103	1176
25	143	166	198	182	153	147	169	197	212	226	236	284	356	430	496	553	599	635	662
30	66.3	72.5	76.9	68.3	65.5	72.7	78.0	77.1	77.2	95.2	122	153	168	172	160	138	112	91.3	85.0
35	44.6	47.1	45.8	41.4	45.2	46.6	43.4	45.5	50.7	54.2	53.8	45.8	47.7	52.7	56.8	60.6	64.4	67.5	69.5
40	34.8	35.7	33.0	32.5	33.4	30.6	31.1	32.4	30.7	30.1	33.9	37.2	39.5	41.7	43.6	45.2	47.2	49.2	51.2
45	28.6	28.9	26.3	26.7	24.7	24.5	24.2	22.2	23.3	25.7	27.0	28.0	29.4	31.0	32.4	33.2	33.8	34.2	34.7
50	24.0	24.2	22.4	21.9	20.3	19.6	18.5	19.5	19.5	19.7	21.4	23.2	24.2	25.2	26.2	27.1	28.1	29.1	30.0
55	19.3	19.2	18.8	16.4	16.3	14.8	15.5	15.0	16.0	17.3	17.8	18.5	19.7	21.1	22.4	23.5	24.4	25.3	25.9
60	14.9	14.4	14.2	13.0	11.2	11.7	11.1	12.3	12.5	13.2	14.5	15.9	16.8	17.5	18.4	19.2	19.9	20.6	21.2
65	11.1	10.5	9.47	8.46	8.47	7.93	8.42	8.68	9.99	10.8	11.3	11.9	12.9	13.8	14.6	15.3	15.9	16.4	16.8
70	8.53	8.26	7.04	6.13	5.44	5.47	6.33	6.71	7.01	7.85	8.58	9.04	9.47	9.92	10.4	10.9	11.3	11.7	12.0
75	6.72	5.68	4.43	3.89	3.93	4.30	4.48	5.00	5.14	5.27	5.44	5.63	5.91	6.27	6.66	6.99	7.24	7.38	7.49
80	5.44	3.82	2.96	3.13	3.17	3.23	3.20	3.28	3.31	2.82	2.27	1.80	1.41	1.08	0.75	0.46	0.21	0.05	0.00
85	4.07	2.21	2.34	2.38	2.13	0.87	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	3.41	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:
Test Date:2026-08-10

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:7.300m [K=1.0000]
Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

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	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922
5	5481	5525	5570	5623	5686	5751	5832	5917	6011	6121	6241	6366	6505	6655	6814	6981	7154	7331	7207
10	3556	3666	3778	3888	3995	4095	4178	4253	4324	4375	4426	4475	4690	4936	5213	5520	5856	6220	5937
15	1855	1913	1992	2088	2201	2330	2470	2616	2764	2876	2851	2814	2776	2746	2999	3342	3720	4141	3796
20	1237	1285	1312	1311	1284	1230	1157	1070	1108	1277	1425	1556	1498	1409	1335	1543	1841	2176	1892
25	681	697	711	722	730	730	721	683	584	487	402	532	628	626	536	508	688	885	709
30	98.3	130	172	215	247	262	260	270	272	261	203	153	167	206	189	153	197	268	202
35	70.5	70.7	70.1	68.8	67.2	65.4	67.7	86.3	86.2	86.1	89.8	83.1	68.2	71.6	81.8	71.5	74.8	93.5	77.0
40	52.8	53.9	54.0	53.0	51.2	48.7	45.4	43.9	42.6	43.4	41.8	44.5	46.4	42.0	45.5	47.1	46.4	55.3	47.8
45	35.5	36.5	37.6	38.5	39.0	39.0	37.2	34.4	31.4	30.2	29.2	28.5	30.4	32.0	31.9	35.5	35.2	40.2	36.4
50	30.6	31.0	31.1	30.7	30.1	29.0	28.2	27.8	27.0	23.8	22.0	22.5	22.7	24.7	26.3	28.6	29.1	33.5	30.2
55	26.3	26.5	26.5	26.3	25.9	25.3	24.3	22.5	20.4	19.5	18.9	17.0	17.7	18.1	21.2	21.9	23.5	26.9	24.5
60	21.8	22.2	22.3	22.3	21.7	20.6	19.2	18.2	17.4	15.6	13.5	13.8	12.8	13.7	14.4	16.5	18.5	20.8	19.4
65	17.1	17.3	17.3	17.2	16.9	16.6	16.1	14.8	13.1	11.7	11.2	9.60	9.30	9.12	10.3	12.4	13.9	15.5	14.8
70	12.3	12.5	12.4	12.2	11.7	11.2	10.6	10.1	9.83	9.45	8.19	7.21	6.80	5.97	6.32	7.31	9.11	11.0	9.77
75	7.55	7.49	7.13	6.75	6.44	6.34	6.40	6.52	6.44	6.10	5.70	5.72	5.35	4.82	4.34	5.13	6.62	7.93	7.16
80	0.06	0.22	0.45	0.72	0.99	1.30	1.70	2.27	2.94	3.63	3.92	4.04	4.09	4.25	4.05	3.59	4.51	6.18	5.01
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	1.05	2.61	3.19	3.32	2.97	4.81	3.02
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	3.52	0.00

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-10

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:7.300m [K=1.0000]
Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

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	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922
5	7086	6970	6861	6761	6671	6593	6518	6449	6394	6344	6294	6256	6214	6177	6143	6103	6071	6021	5976
10	5684	5460	5267	5108	4984	5044	5097	5145	5169	5180	5173	5132	5070	4988	4887	4771	4645	4503	4366
15	3496	3237	3079	3247	3431	3622	3808	3825	3802	3787	3781	3780	3782	3781	3765	3733	3678	3587	3461
20	1647	1509	1696	1912	2110	2075	2055	2032	2145	2324	2484	2600	2664	2675	2628	2538	2417	2268	2114
25	553	640	809	876	838	793	970	1169	1369	1456	1483	1494	1490	1475	1456	1429	1392	1337	1255
30	168	227	267	243	266	384	511	534	534	523	543	532	486	414	336	272	238	237	263
35	77.3	93.4	86.1	89.0	122	141	139	147	159	137	143	156	168	176	181	182	177	166	150
40	50.6	51.0	49.0	55.8	54.2	50.9	54.9	58.4	63.0	68.3	80.1	93.7	105	111	112	109	102	93.4	84.1
45	38.2	35.8	36.5	34.8	32.9	34.6	34.8	35.0	39.8	46.2	51.8	53.0	51.0	46.2	40.5	36.2	34.5	34.9	36.2
50	31.0	29.4	27.9	25.8	25.2	24.1	25.6	28.0	28.0	27.0	26.7	28.2	29.4	29.9	30.0	29.9	29.3	28.5	27.5
55	23.9	23.8	20.7	20.3	18.8	19.7	19.5	19.4	21.0	22.3	23.2	24.0	24.7	25.0	25.1	25.0	24.8	24.4	23.7
60	18.2	16.5	16.1	14.4	14.6	13.5	15.1	16.4	17.1	17.7	18.8	19.8	20.4	20.5	20.4	20.2	19.9	19.5	19.0
65	13.9	12.3	10.5	10.0	9.74	11.0	11.2	12.3	13.7	14.8	15.5	16.0	16.5	16.7	16.8	16.8	16.6	16.3	16.0
70	8.44	7.26	6.38	6.77	6.85	7.65	8.80	9.38	9.94	10.8	11.7	12.5	13.1	13.4	13.4	13.3	13.1	12.9	12.5
75	5.86	4.41	4.52	4.60	5.12	5.54	6.30	6.92	7.46	7.91	8.39	8.89	9.36	9.72	9.91	9.89	9.81	9.67	9.49
80	3.70	3.67	3.89	4.15	4.55	4.75	4.69	3.85	3.12	2.57	2.07	1.57	1.08	0.64	0.29	0.07	0.00	0.07	0.28
85	3.33	3.77	3.47	1.39	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:
Test Date:2026-08-10

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:7.300m [K=1.0000]
Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.28V I:0.1971A P:20.098W PF:0.4628 Freq:50.00Hz Lamp Flux:1639.83x1 lm		
NAME: 6378	TYPE:20W-3000K	WEIGHT:
SPEC.:	DIM.: 60*55*297mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Table--4 UNIT: cd

C(DEG) / g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922	6922				
5	5924	5869	5811	5739	5669	5597	5527	5461	5394	5327	5271	5225	5191	5169	5162				
10	4224	4095	3987	3886	3811	3752	3712	3695	3701	3730	3569	3409	3272	3160	3076				
15	3297	3097	2880	2641	2396	2151	1919	1750	1753	1779	1816	1866	1739	1591	1472				
20	1964	1824	1697	1577	1467	1367	1197	979	784	620	627	673	721	647	555				
25	1149	1021	877	729	589	485	454	415	376	271	198	180	203	214	173				
30	299	328	340	332	303	226	161	116	113	111	94.1	75.2	74.1	81.2	74.6				
35	129	106	85.3	69.3	63.8	79.3	76.6	66.0	54.8	51.4	54.7	51.7	44.7	48.0	48.3				
40	74.6	65.7	58.0	51.7	46.8	39.9	35.7	36.7	38.2	35.3	34.0	37.1	35.3	34.7	36.7				
45	36.6	35.6	33.8	32.2	30.6	30.0	29.4	26.3	24.5	26.8	27.1	27.2	29.2	27.8	29.7				
50	26.3	25.1	24.1	23.4	23.2	22.3	20.8	20.9	21.1	20.6	21.8	22.4	23.9	23.9	25.0				
55	22.7	21.5	20.4	19.4	18.5	17.9	17.5	16.6	16.0	17.0	16.5	18.1	18.0	20.2	19.9				
60	18.5	17.8	17.1	16.5	15.8	14.6	13.3	12.8	12.6	11.9	12.9	12.7	14.4	15.4	15.0				
65	15.5	14.8	13.9	13.0	11.9	11.2	10.7	10.1	8.88	8.74	8.51	9.39	9.57	10.3	11.0				
70	12.1	11.5	10.9	10.3	9.67	8.99	8.00	6.91	6.60	6.35	5.62	5.75	6.81	7.81	8.80				
75	9.20	8.76	8.16	7.53	6.89	6.37	5.99	5.65	5.22	4.49	4.29	4.01	4.07	4.90	6.17				
80	0.61	1.04	1.51	2.00	2.49	3.08	3.81	4.43	4.19	3.89	3.69	3.33	3.14	3.06	4.19				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	2.89	3.00	2.59	2.38				
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:
Test Date:2026-08-10

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:7.300m [K=1.0000]
Remarks:

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