

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1565.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	74.1V x 74.1H
	At 50% of Imax	46.7V x 48.2H
	At 90% of Imax	20.6V x 20.6H

Beam Flux	Total	1000.2 lumens per klm.
	To 10% of Imax	917.6 lumens per klm.
	To 50% of Imax	634.1 lumens per klm.
	To 90% of Imax	151.5 lumens per klm.

Upward LOR	1.4 %
Downward LOR	98.7 %

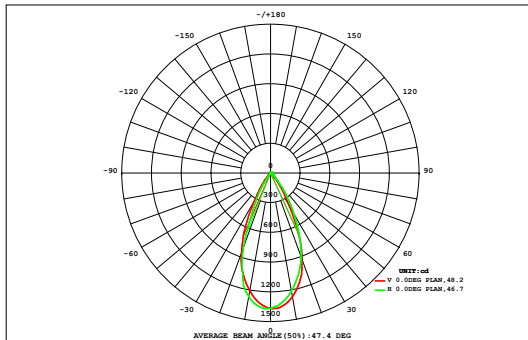
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2025-02-26

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.16V I:2.444A P:22.89W PF:0.7707 Freq:59.97Hz Lamp Flux:874.557x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Copper alloy Spotlight	WEIGHT:
SPEC.:23W GREEN 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:Uplight Shroud



DATA OF LAMP		Eff:38.20lm/W	
MODEL	D9B1-23W-A	Imax (cd)	1369
NOMINAL POWER (W)	23	AVAILABILITY (%)	91.5
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	800.1
NOMINAL FLUX (lm)	874.557	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	874.6
TEST VOLTAGE (V)	12	θ @50% (H,V)	48,47DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.11	0.13	0.13	0.11	0.09	0.07	0.05	0.04	0.02	0.01	0.01	1.06	0.00
72	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.11	0.13	0.13	0.11	0.09	0.07	0.05	0.04	0.02	0.01	0.01	1.06	0.00
64	0.01	0.02	0.03	0.06	0.09	0.14	0.20	0.25	0.30	0.30	0.25	0.19	0.14	0.09	0.05	0.03	0.02	0.01	2.18	0.00
56	0.01	0.03	0.05	0.09	0.16	0.27	0.41	0.57	0.70	0.70	0.57	0.41	0.26	0.16	0.09	0.05	0.02	0.01	4.56	0.00
48	0.01	0.03	0.07	0.14	0.28	0.54	0.92	1.38	1.78	1.79	1.40	0.92	0.53	0.27	0.13	0.07	0.03	0.01	10.3	0.44
40	0.02	0.04	0.09	0.21	0.50	1.13	2.28	3.71	4.83	4.87	3.80	2.37	1.17	0.49	0.20	0.08	0.04	0.01	25.8	18.8
32	0.02	0.05	0.11	0.31	0.89	2.42	5.03	8.09	10.3	10.4	8.28	5.26	2.60	0.94	0.30	0.10	0.04	0.02	55.1	50.6
24	0.02	0.05	0.13	0.42	1.51	4.29	9.04	14.1	17.0	17.1	14.5	9.46	4.61	1.68	0.43	0.12	0.04	0.02	94.5	91.0
	0.02	0.05	0.14	0.53	2.14	6.28	13.1	19.0	22.0	22.3	19.7	13.9	6.76	2.43	0.58	0.13	0.04	0.02	129	126
	0.02	0.04	0.13	0.57	2.45	7.54	15.4	21.5	25.1	25.5	22.5	16.5	8.22	2.83	0.66	0.12	0.04	0.02	149	146
	0.02	0.04	0.12	0.51	2.26	7.19	15.2	21.7	25.5	25.9	22.7	16.3	7.88	2.64	0.60	0.10	0.03	0.02	149	146
	0.02	0.04	0.10	0.38	1.62	5.33	12.0	18.7	22.6	22.9	19.4	12.7	5.81	1.91	0.43	0.08	0.03	0.01	124	121
-24	0.02	0.03	0.07	0.23	0.86	2.95	6.92	11.7	15.0	15.1	12.1	7.34	3.27	1.03	0.24	0.06	0.03	0.01	76.9	73.2
-32	0.01	0.03	0.05	0.13	0.36	1.07	2.76	4.85	6.05	6.13	5.04	2.99	1.25	0.42	0.12	0.04	0.02	0.01	31.3	26.3
-40	0.01	0.02	0.04	0.07	0.15	0.30	0.56	0.99	1.28	1.32	1.08	0.66	0.34	0.14	0.06	0.03	0.02	0.01	7.07	0.87
-48	0.01	0.02	0.03	0.04	0.06	0.10	0.13	0.13	0.07	0.08	0.14	0.14	0.09	0.05	0.03	0.02	0.01	0.01	1.15	0.00
-56	0.01	0.01	0.02	0.03	0.03	0.03	0.04	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.01	0.00	0.42	0.00
-64	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.22	0.00
-72	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.12	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)	16	24	32	40	48	56	64	72			
Φ t	0.23	0.52	1.22	3.78	13.5	39.7	84.1	127	153	154	132	89.3	43.0	15.2	4.00	1.09	0.46	0.19	861	---
Φ a	0.00	0.00	0.00	0.00	5.47	34.5	79.7	123	149	151	128	85.1	37.9	7.68	0.00	0.00	0.00	0.00	---	800

one-half-peak spread: U:19.7,D:27.2 , L:24.7,R:23.8

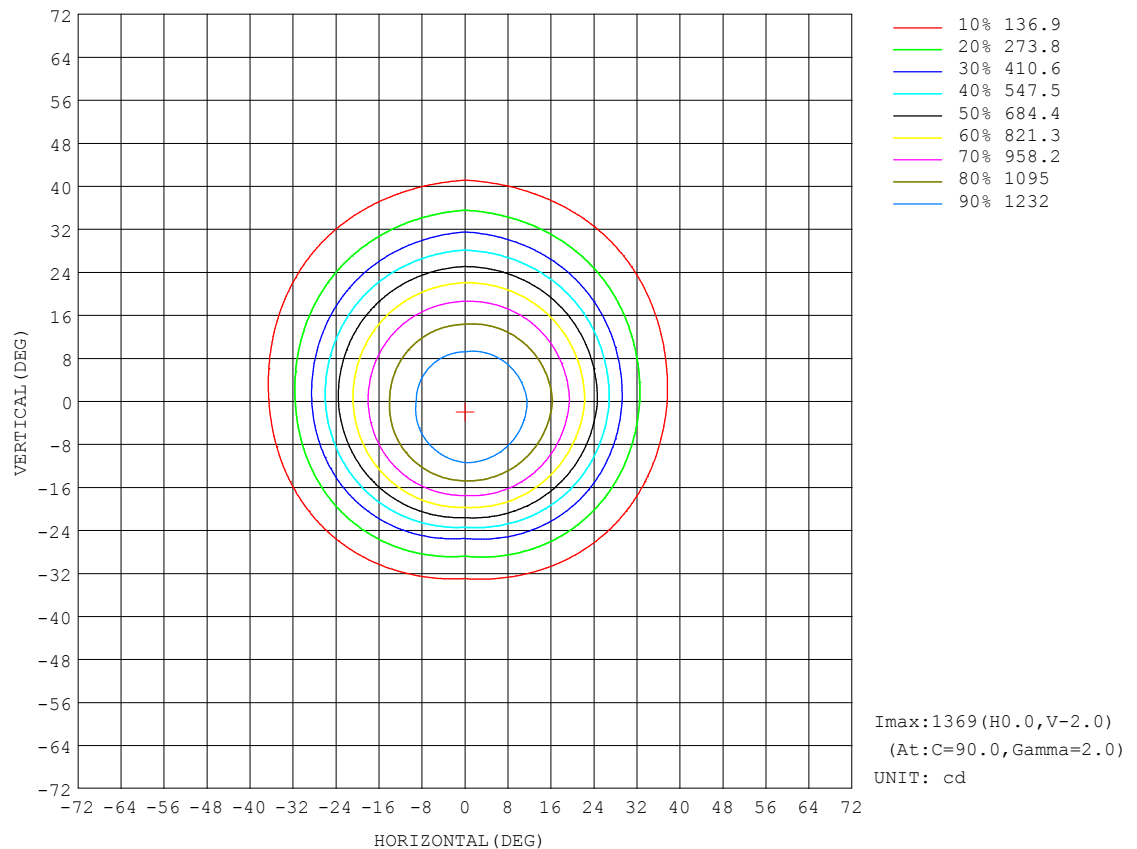
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2025-02-26

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:12.16V I:2.444A P:22.89W PF:0.7707 Freq:59.97Hz Lamp Flux:874.557x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Copper alloy Spotlight	WEIGHT:
SPEC.:23W GREEN 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:Uplight Shroud

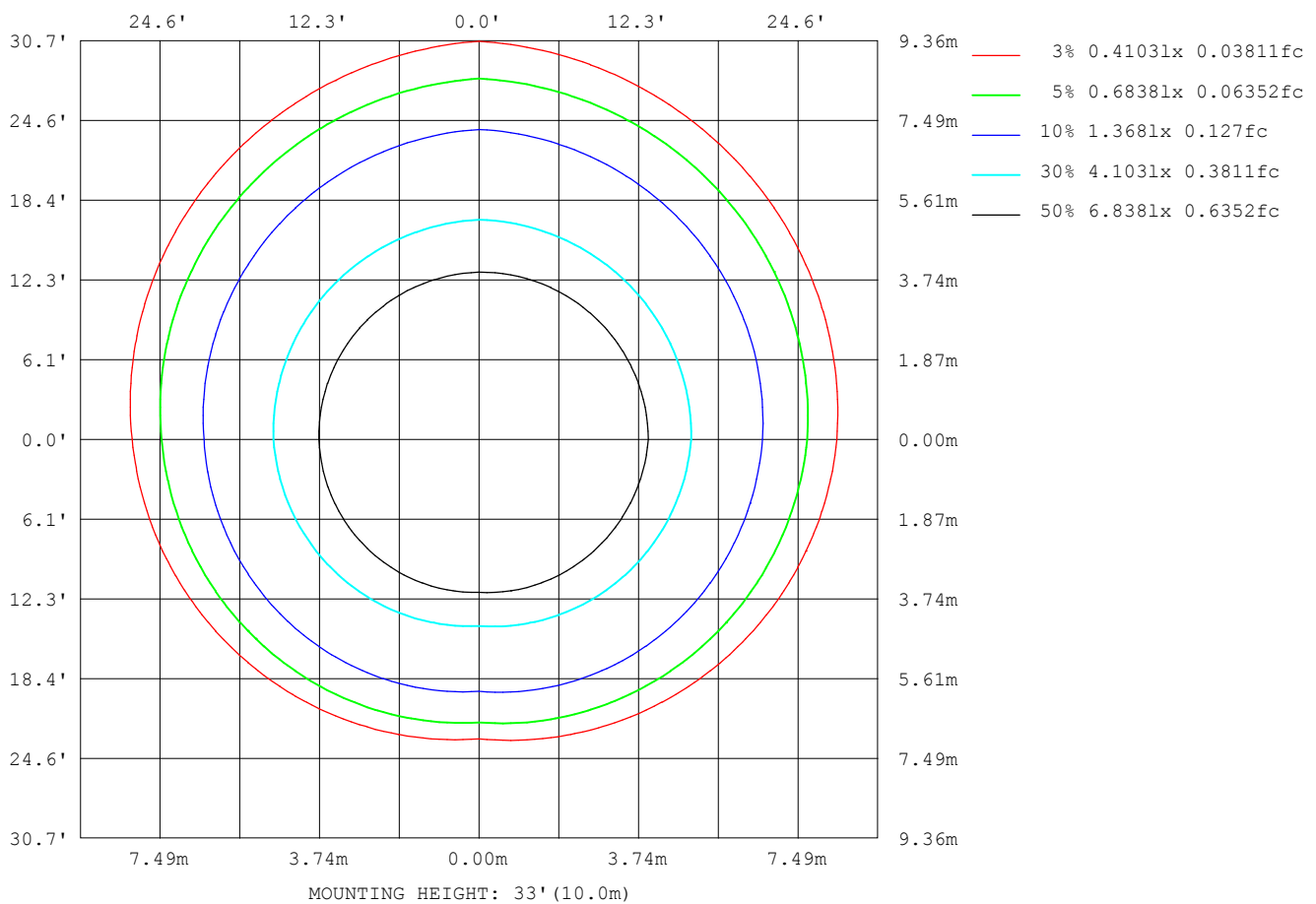


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Test Date:2025-02-26

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Humidity:65.0%
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Remarks:

ISOLUX DIAGRAM

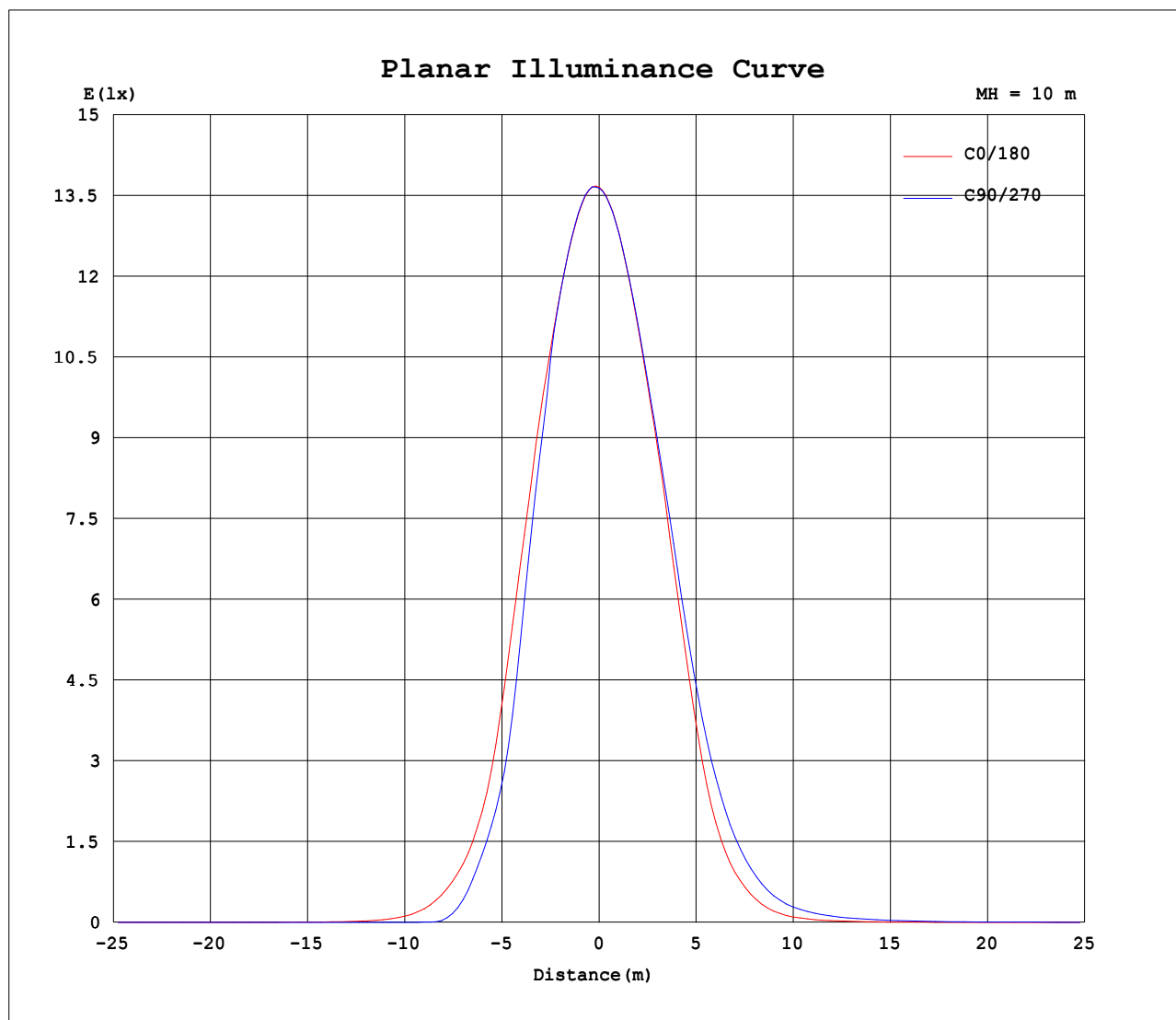
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Temperature:25.3DEG
Operators:ADMIN
Test Date:2025-02-26

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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

Planar Illuminance Curve

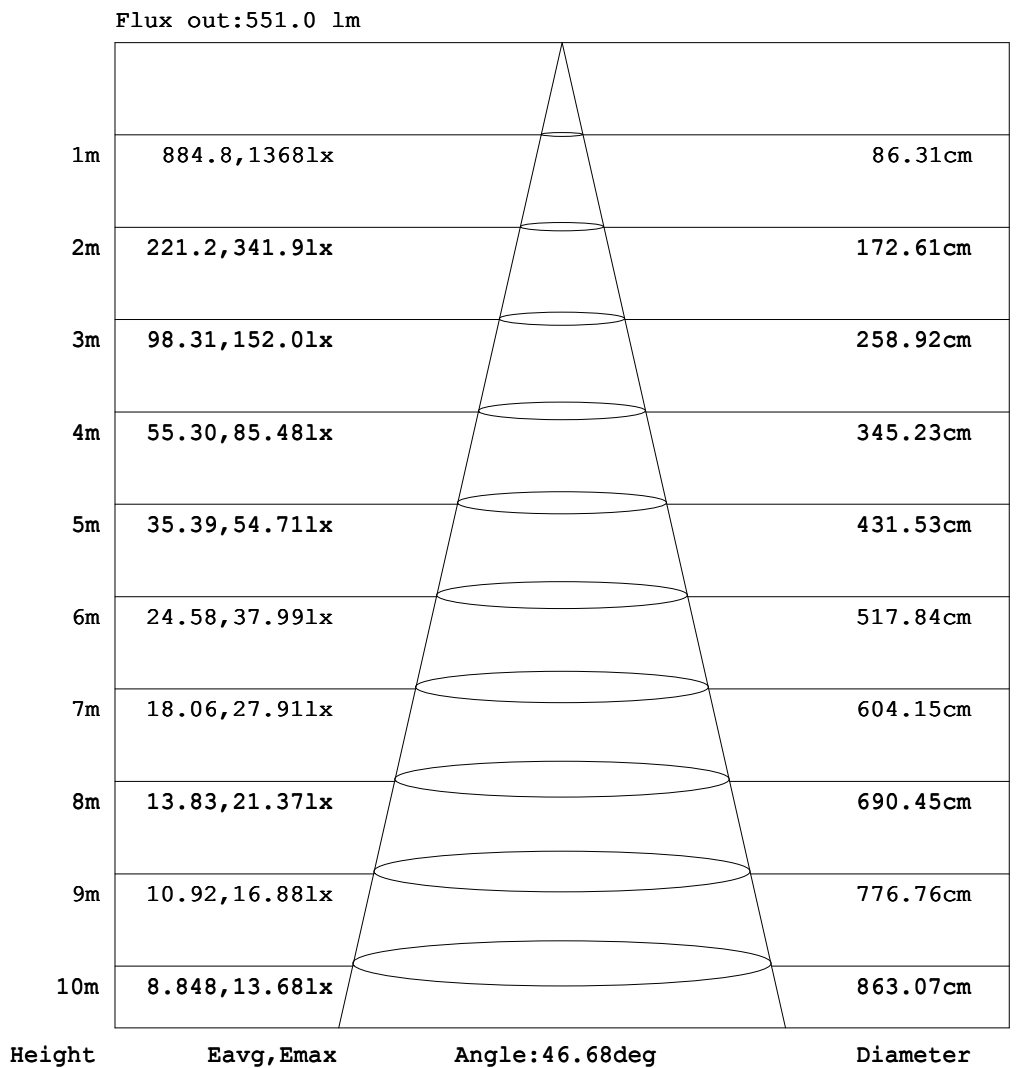


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Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2025-02-26

V(B) Range:-180 - 180DEG
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
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Remarks:

AAI Figure

Test:U:12.16V I:2.444A P:22.89W PF:0.7707 Freq:59.97Hz Lamp Flux:874.557x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Copper alloy Spotlight	WEIGHT:
SPEC.:23W GREEN 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:Uplight Shroud



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

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H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2025-02-26

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.16V I:2.444A P:22.89W PF:0.7707 Freq:59.97Hz Lamp Flux:874.557x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Copper alloy Spotlight	WEIGHT:
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Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.73	1.50	2.54	3.68	4.86	5.95	6.94	7.85	8.80	9.77	10.1
-170	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.27	0.77	1.55	2.59	3.74	4.96	6.14	7.23	8.22	9.13	9.90	10.5
-160	0.00	0.00	0.00	0.00	0.01	0.03	0.08	0.23	0.65	1.31	2.19	3.22	4.32	5.44	6.48	7.45	8.27	8.94	9.44
-150	0.00	0.00	0.00	0.00	0.01	0.03	0.08	0.17	0.43	0.89	1.51	2.28	3.15	4.04	4.90	5.70	6.37	6.90	7.26
-140	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.13	0.24	0.46	0.83	1.29	1.83	2.40	2.99	3.52	3.99	4.37	4.62
-130	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.07	0.13	0.22	0.36	0.54	0.80	1.09	1.39	1.68	1.93	2.15	2.30
-120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.08	0.13	0.20	0.28	0.37	0.47	0.56	0.66	0.75	0.81
-110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.06	0.08	0.10	0.11	0.13	0.13
-100	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
-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
-80	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.09	0.12	0.15	0.16	0.16	0.15	0.13	0.12	0.09	0.06	0.03	0.00
-70	0.00	0.00	0.00	0.11	0.20	0.30	0.39	0.49	0.55	0.59	0.62	0.62	0.59	0.53	0.46	0.36	0.25	0.13	0.00
-60	0.00	0.00	0.12	0.28	0.46	0.68	0.86	1.04	1.16	1.26	1.30	1.29	1.23	1.11	0.95	0.75	0.52	0.26	0.00
-50	0.00	0.00	0.19	0.47	0.79	1.13	1.43	1.71	1.92	2.06	2.14	2.18	2.26	2.37	2.60	2.67	2.40	1.80	0.99
-40	0.00	0.00	0.32	0.71	1.15	1.60	2.05	2.46	2.77	3.18	4.12	6.06	8.25	10.5	12.5	13.3	12.1	8.66	3.03
-30	0.00	0.04	0.41	0.90	1.48	2.10	2.69	3.23	4.11	6.59	11.2	18.9	32.2	56.8	101	158	206	233	234
-20	0.00	0.09	0.49	1.07	1.79	2.54	3.27	4.19	6.94	13.4	27.1	58.3	126	236	372	521	672	774	805
-10	0.00	0.12	0.55	1.23	2.03	2.90	3.79	5.40	10.5	22.6	54.2	128	261	467	720	952	1115	1221	1268
0	0.00	0.13	0.58	1.31	2.17	3.13	4.16	6.25	12.8	29.3	75.2	170	337	603	862	1063	1208	1316	1365
10	0.00	0.14	0.61	1.34	2.23	3.35	4.74	7.33	14.4	30.5	71.9	159	302	525	769	967	1096	1181	1212
20	0.00	0.13	0.60	1.29	2.16	3.31	4.85	7.27	12.9	24.7	49.8	105	197	326	492	660	793	873	905
30	0.00	0.10	0.57	1.19	1.98	3.00	4.47	6.51	10.1	17.1	29.5	51.4	91.2	152	227	307	381	438	467
40	0.00	0.07	0.51	1.06	1.71	2.49	3.62	5.25	7.46	10.8	16.5	25.0	36.8	52.9	74.3	99.5	125	146	159
50	0.00	0.08	0.40	0.84	1.38	2.00	2.68	3.67	5.05	6.84	9.15	12.1	16.1	21.1	26.7	32.6	38.1	42.7	45.9
60	0.00	0.09	0.33	0.65	1.03	1.50	1.95	2.49	3.06	3.82	4.84	6.05	7.43	8.90	10.5	12.0	13.5	14.7	15.6
70	0.00	0.09	0.20	0.46	0.71	1.01	1.33	1.67	2.00	2.33	2.69	3.05	3.39	3.72	4.08	4.43	4.75	5.02	5.24
80	0.00	0.09	0.19	0.30	0.42	0.58	0.80	0.97	1.17	1.38	1.58	1.78	1.98	2.17	2.35	2.53	2.70	2.85	2.99
90	0.00	0.08	0.17	0.25	0.34	0.42	0.50	0.59	0.67	0.76	0.84	0.92	1.01	1.09	1.18	1.26	1.34	1.43	1.51
100	0.00	0.08	0.14	0.20	0.25	0.29	0.33	0.36	0.38	0.41	0.42	0.44	0.46	0.48	0.49	0.51	0.53	0.55	0.58
110	0.00	0.07	0.12	0.16	0.18	0.19	0.19	0.18	0.17	0.17	0.14	0.10	0.06	0.03	0.01	0.00	0.00	0.00	0.00
120	0.00	0.06	0.10	0.11	0.12	0.11	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.05	0.07	0.08	0.07	0.05	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.10	0.12	0.13	0.15	0.17	0.15
140	0.00	0.04	0.06	0.05	0.04	0.00	0.00	0.00	0.00	0.05	0.18	0.32	0.60	0.89	1.17	1.41	1.60	1.69	1.67
150	0.00	0.03	0.04	0.03	0.01	0.00	0.00	0.00	0.11	0.34	0.73	1.24	1.85	2.46	3.05	3.54	3.90	4.10	4.11
160	0.00	0.02	0.02	0.02	0.00	0.00	0.00	0.06	0.34	0.82	1.52	2.36	3.27	4.17	4.98	5.64	6.10	6.31	6.32
170	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.17	0.58	1.27	2.22	3.27	4.37	5.42	6.35	7.08	7.68	8.10	8.09
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.73	1.50	2.54	3.68	4.86	5.95	6.94	7.85	8.80	9.77	10.1

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H(β) Interval: 0.5DEG
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Temperature:25.3DEG
Operators:ADMIN
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V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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MFR.: EVERFINE	SUR.:	Shielding Angle:Uplight Shroud

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	10.4	9.91	9.30	8.54	7.64	6.44	5.17	3.79	2.58	1.59	0.83	0.30	0.02	0.00	0.00	0.00	0.00	0.00	
-170	10.2	9.85	9.20	8.44	7.41	6.22	4.92	3.63	2.47	1.51	0.82	0.32	0.03	0.01	0.00	0.00	0.00	0.00	
-160	9.20	8.78	8.16	7.34	6.36	5.27	4.12	3.02	2.05	1.22	0.64	0.24	0.03	0.01	0.00	0.00	0.00	0.00	
-150	7.07	6.71	6.16	5.48	4.66	3.80	2.93	2.13	1.39	0.86	0.40	0.15	0.03	0.01	0.00	0.00	0.00	0.00	
-140	4.48	4.19	3.82	3.35	2.81	2.27	1.70	1.20	0.78	0.44	0.22	0.06	0.02	0.00	0.00	0.00	0.00	0.00	
-130	2.21	2.05	1.84	1.58	1.31	1.04	0.75	0.51	0.32	0.14	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.00	
-120	0.77	0.70	0.62	0.51	0.42	0.31	0.20	0.13	0.08	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-110	0.13	0.11	0.10	0.08	0.06	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-100	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	
-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	
-80	0.02	0.04	0.06	0.07	0.07	0.08	0.08	0.07	0.05	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-70	0.11	0.21	0.30	0.38	0.44	0.47	0.48	0.47	0.44	0.39	0.33	0.24	0.15	0.06	0.00	0.00	0.00	0.00	
-60	0.23	0.45	0.65	0.83	0.96	1.06	1.12	1.12	1.07	0.96	0.81	0.64	0.47	0.28	0.11	0.00	0.00	0.00	
-50	1.71	2.21	2.36	2.19	1.93	1.86	1.86	1.86	1.80	1.67	1.46	1.18	0.86	0.56	0.28	0.05	0.00	0.00	
-40	10.0	14.3	15.9	14.5	11.2	8.05	5.32	3.37	2.64	2.41	2.12	1.77	1.33	0.87	0.48	0.14	0.00	0.00	
-30	237	213	167	112	66.9	39.1	21.3	10.9	5.54	3.37	2.80	2.33	1.79	1.18	0.65	0.22	0.00	0.00	
-20	786	694	546	394	256	144	70.6	31.6	13.1	5.74	3.50	2.86	2.20	1.48	0.81	0.29	0.00	0.00	
-10	1240	1151	997	770	504	287	150	65.8	24.5	9.31	4.42	3.29	2.52	1.70	0.93	0.34	0.00	0.00	
0	1350	1268	1137	932	663	372	198	91.6	32.9	11.7	5.10	3.60	2.73	1.83	0.99	0.36	0.00	0.00	
10	1200	1132	1013	819	562	329	181	83.5	32.4	13.2	6.35	4.23	2.97	1.90	1.04	0.40	0.02	0.00	
20	885	814	686	514	346	215	117	54.2	24.4	11.7	6.57	4.44	2.97	1.85	1.02	0.40	0.04	0.00	
30	442	389	316	238	162	98.0	53.9	29.2	16.1	9.32	6.08	4.10	2.68	1.68	0.94	0.37	0.06	0.00	
40	148	127	102	76.2	53.7	36.6	24.2	15.7	10.3	7.09	4.91	3.33	2.21	1.43	0.83	0.33	0.07	0.00	
50	42.7	37.9	32.3	26.3	20.7	15.7	11.8	8.86	6.58	4.80	3.42	2.44	1.73	1.15	0.66	0.25	0.08	0.00	
60	14.7	13.4	11.9	10.3	8.76	7.26	5.88	4.65	3.63	2.86	2.26	1.74	1.28	0.86	0.49	0.21	0.09	0.00	
70	5.00	4.71	4.37	4.00	3.63	3.27	2.91	2.54	2.18	1.84	1.52	1.18	0.86	0.57	0.34	0.20	0.09	0.00	
80	2.84	2.67	2.49	2.31	2.11	1.91	1.70	1.49	1.28	1.08	0.89	0.71	0.56	0.42	0.30	0.19	0.09	0.00	
90	1.43	1.34	1.26	1.18	1.09	1.01	0.92	0.84	0.76	0.67	0.59	0.50	0.42	0.34	0.25	0.17	0.08	0.00	
100	0.55	0.53	0.51	0.49	0.48	0.46	0.44	0.42	0.41	0.38	0.36	0.33	0.29	0.25	0.20	0.14	0.08	0.00	
110	0.00	0.00	0.00	0.01	0.03	0.06	0.10	0.14	0.17	0.17	0.18	0.19	0.19	0.18	0.16	0.12	0.07	0.00	
120	0.02	0.04	0.05	0.05	0.05	0.03	0.00	0.00	0.00	0.00	0.05	0.09	0.11	0.12	0.11	0.10	0.06	0.00	
130	0.23	0.27	0.29	0.31	0.31	0.30	0.22	0.15	0.10	0.00	0.00	0.00	0.05	0.07	0.08	0.07	0.05	0.00	
140	1.80	1.81	1.70	1.53	1.30	1.04	0.74	0.54	0.37	0.20	0.09	0.00	0.00	0.04	0.05	0.06	0.04	0.00	
150	4.27	4.23	4.00	3.63	3.09	2.50	1.89	1.34	0.84	0.54	0.23	0.07	0.00	0.01	0.03	0.04	0.03	0.00	
160	6.57	6.61	6.35	5.83	5.09	4.22	3.27	2.35	1.56	0.90	0.47	0.16	0.00	0.00	0.02	0.02	0.02	0.00	
170	8.44	8.40	8.06	7.55	6.69	5.63	4.44	3.25	2.20	1.32	0.72	0.27	0.01	0.00	0.01	0.01	0.01	0.00	
180	10.4	9.91	9.30	8.54	7.64	6.44	5.17	3.79	2.58	1.59	0.83	0.30	0.02	0.00	0.00	0.00	0.00	0.00	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2025-02-26

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks: