

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

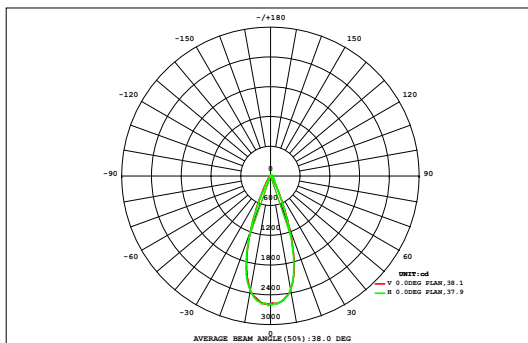
Maximum Intensity		2366.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	57.0V x 58.5H
	At 50% of Imax	37.9V x 38.1H
	At 90% of Imax	19.6V x 20.4H
Beam Flux	Total	1000.4 lumens per klm.
	To 10% of Imax	882.7 lumens per klm.
	To 50% of Imax	623.9 lumens per klm.
	To 90% of Imax	213.9 lumens per klm.
	Upward LOR	1.4 %
	Downward LOR	98.6 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-10

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:12.14V I:1.181A P:13.32W PF:0.9294 Freq:59.97Hz Lamp Flux:1106.27x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:15W 3000K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:UP-LIGHT SHROUD	Shielding Angle:



DATA OF LAMP		Eff:83.02lm/W	
MODEL	D5A1-15W-30K-BZ	Imax (cd)	2618
NOMINAL POWER (W)	15	AVAILABILITY (%)	88.0
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	973.4
NOMINAL FLUX (lm)	1106.27	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	1106
TEST VOLTAGE (V)	12	θ @50% (H,V)	38,38DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.05	0.09	0.15	0.21	0.29	0.38	0.46	0.53	0.58	0.58	0.52	0.45	0.37	0.28	0.20	0.14	0.09	0.05	5.43	0.00
45	0.08	0.13	0.21	0.31	0.44	0.57	0.71	0.83	0.91	0.90	0.82	0.70	0.56	0.42	0.30	0.20	0.13	0.07	8.27	0.00
40	0.10	0.18	0.30	0.45	0.65	0.87	1.11	1.31	1.43	1.42	1.28	1.08	0.85	0.62	0.43	0.28	0.17	0.10	12.6	0.00
35	0.13	0.24	0.40	0.63	0.96	1.37	1.84	2.29	2.56	2.54	2.23	1.77	1.30	0.91	0.60	0.38	0.22	0.12	20.5	9.27
30	0.16	0.30	0.53	0.89	1.45	2.33	3.56	4.86	5.65	5.61	4.75	3.40	2.18	1.36	0.83	0.49	0.28	0.15	38.8	31.8
25	0.20	0.37	0.68	1.24	2.29	4.23	6.94	9.46	10.9	10.9	9.33	6.71	3.97	2.10	1.14	0.63	0.34	0.17	71.6	65.9
20	0.22	0.43	0.85	1.70	3.56	6.96	11.0	14.2	15.8	15.8	14.1	10.8	6.62	3.24	1.53	0.77	0.40	0.20	108	103
15	0.24	0.48	1.00	2.18	4.95	9.48	14.1	17.2	18.5	18.5	17.1	13.9	9.12	4.53	1.93	0.89	0.43	0.21	135	130
10	0.24	0.50	1.09	2.53	5.88	10.9	15.6	18.4	19.5	19.5	18.3	15.5	10.6	5.38	2.20	0.96	0.45	0.21	148	144
5	0.23	0.48	1.06	2.51	5.92	11.0	15.7	18.4	19.5	19.5	18.4	15.5	10.6	5.42	2.19	0.93	0.43	0.20	148	144
0	0.20	0.42	0.91	2.11	5.03	9.72	14.3	17.3	18.6	18.6	17.3	14.2	9.36	4.61	1.86	0.80	0.37	0.17	136	132
-5	0.17	0.34	0.71	1.54	3.57	7.26	11.5	14.7	16.2	16.2	14.6	11.2	6.92	3.25	1.37	0.63	0.30	0.14	111	106
-10	0.13	0.25	0.50	1.00	2.10	4.36	7.43	10.2	11.8	11.7	10.1	7.20	4.10	1.91	0.90	0.45	0.22	0.11	74.4	69.6
-15	0.09	0.18	0.33	0.61	1.10	2.05	3.59	5.23	6.27	6.23	5.11	3.42	1.91	1.01	0.55	0.29	0.15	0.07	38.2	32.2
-20	0.06	0.11	0.20	0.34	0.56	0.89	1.34	1.84	2.18	2.16	1.79	1.27	0.82	0.52	0.31	0.18	0.09	0.05	14.7	5.22
-25	0.04	0.07	0.11	0.18	0.27	0.39	0.52	0.62	0.65	0.64	0.60	0.49	0.36	0.25	0.16	0.10	0.05	0.03	5.52	0.00
-30	0.02	0.04	0.06	0.09	0.12	0.16	0.19	0.21	0.20	0.20	0.20	0.18	0.14	0.11	0.08	0.05	0.03	0.02	2.09	0.00
-35	0.01	0.02	0.03	0.04	0.05	0.06	0.06	0.06	0.04	0.04	0.05	0.06	0.05	0.04	0.03	0.02	0.01	0.01	0.72	0.00
-40	0.01	0.02	0.03	0.04	0.05	0.06	0.06	0.06	0.04	0.04	0.05	0.06	0.05	0.04	0.03	0.02	0.01	0.01	0.72	0.00
-45	0.01	0.02	0.03	0.04	0.05	0.06	0.06	0.06	0.04	0.04	0.05	0.06	0.05	0.04	0.03	0.02	0.01	0.01	0.72	0.00
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45			
Φ t	2.36	4.65	9.13	18.6	39.2	73.1	110	138	151	151	137	108	69.8	36.0	16.6	8.18	4.17	2.07	1078	---
Φ a	0.00	0.00	0.00	9.41	32.6	67.3	105	133	146	146	132	103	64.2	29.3	6.82	0.00	0.00	0.00	---	973

one-half-peak spread: U:15.5,D:15.6 , L:16.4,R:15.9

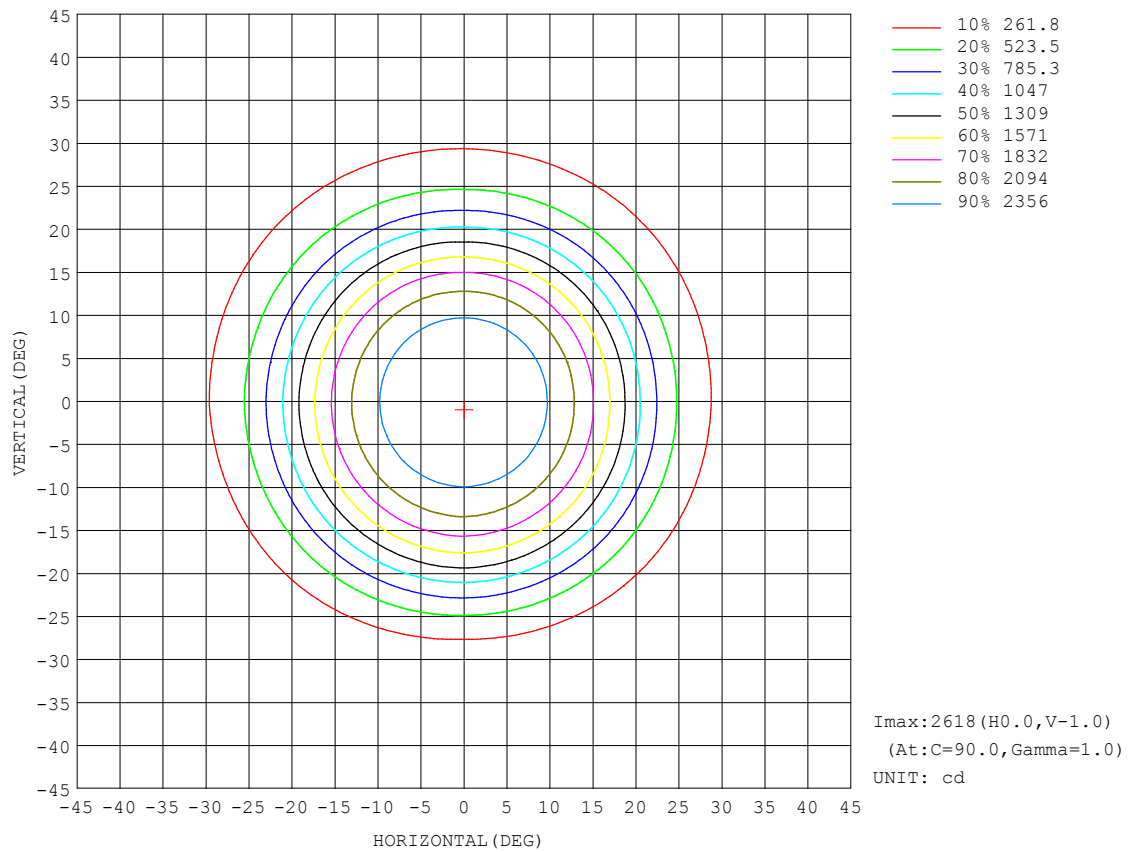
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-10

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:12.14V I:1.181A P:13.32W PF:0.9294 Freq:59.97Hz Lamp Flux:1106.27x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:15W 3000K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:UP-LIGHT SHROUD	Shielding Angle:

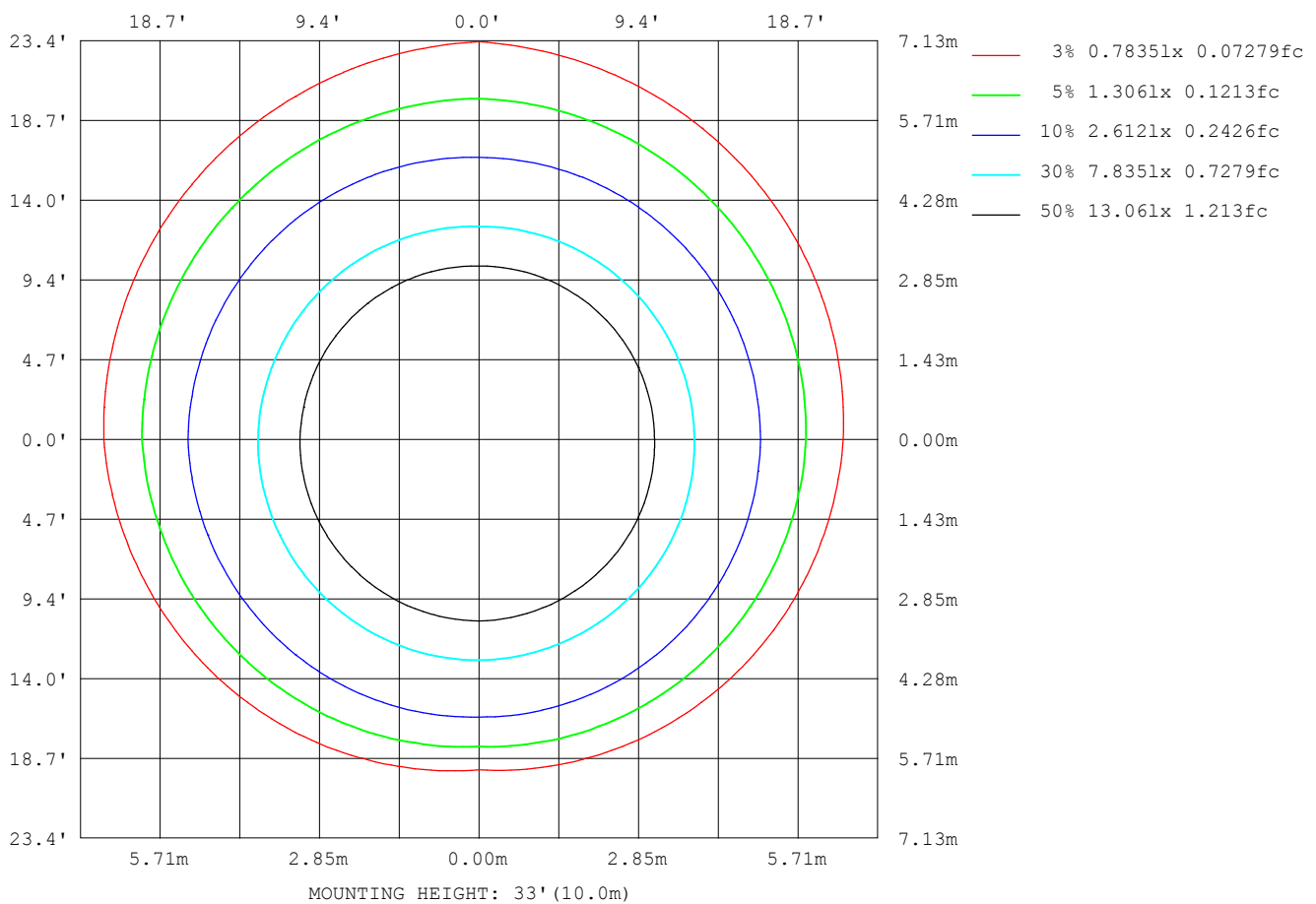


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Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-10

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:

ISOLUX DIAGRAM

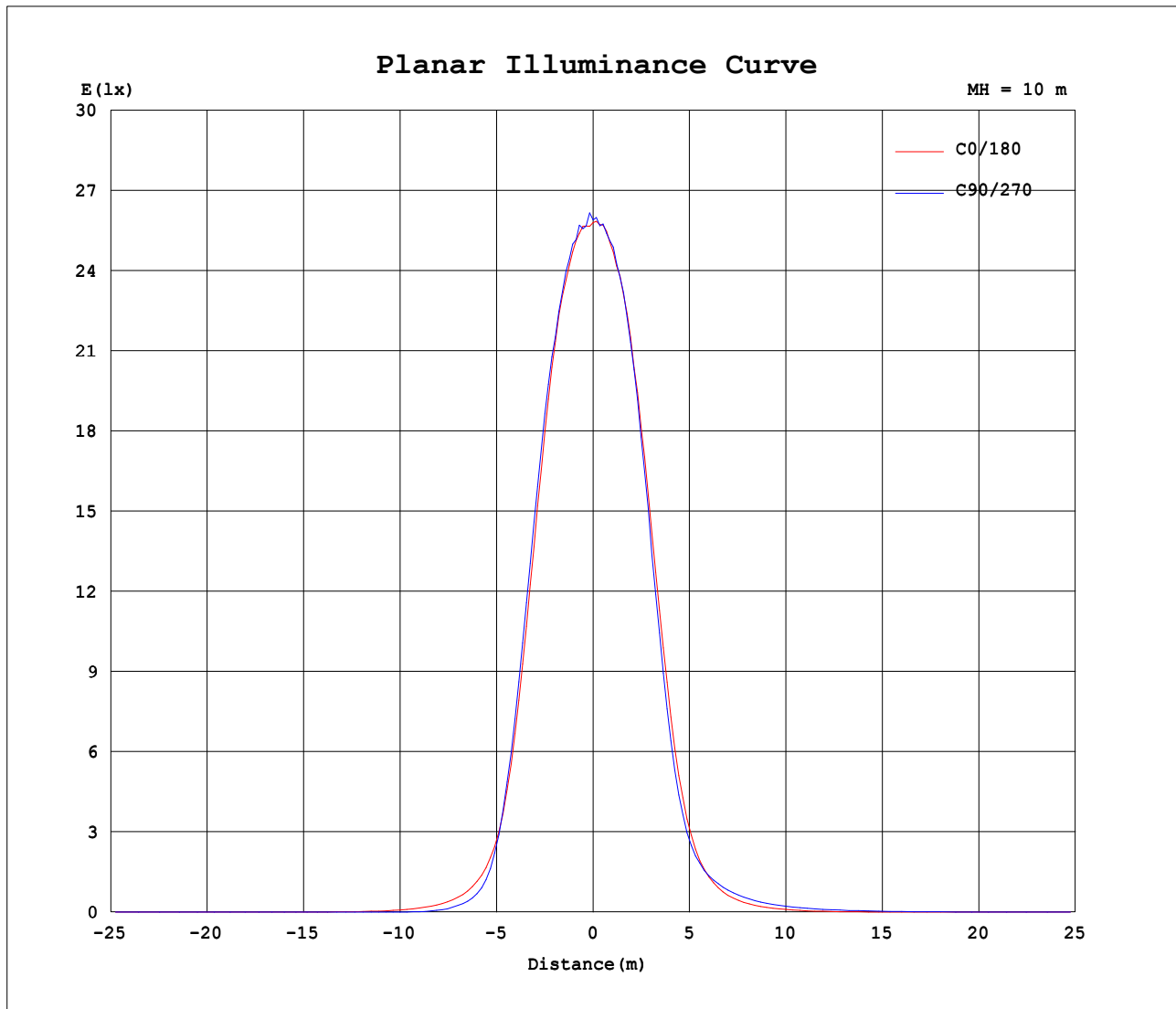
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MFR.: EVERFINE	SUR.:UP-LIGHT SHROUD	Shielding Angle:



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H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-10

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:

Planar Illuminance Curve

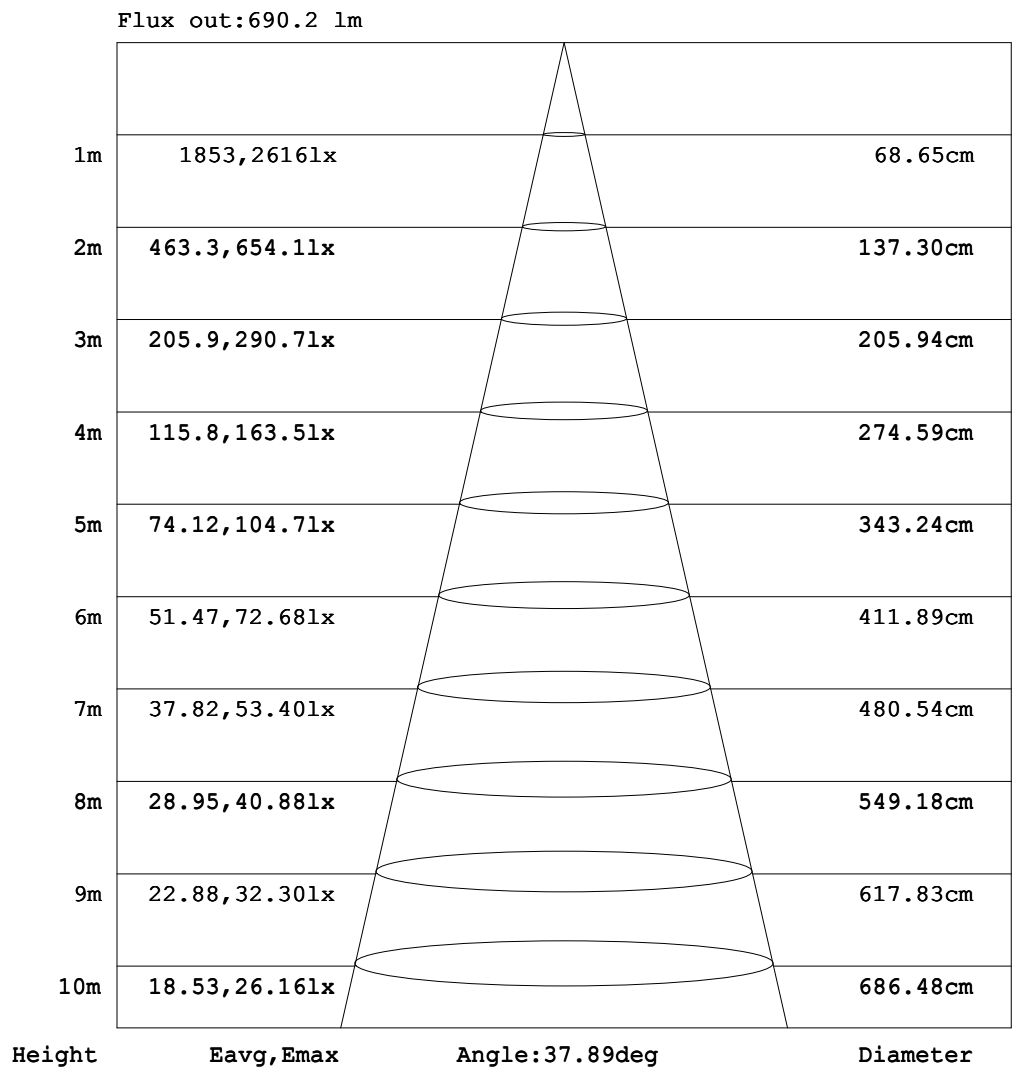


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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
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Remarks:

AAI Figure

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NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:15W 3000K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:UP-LIGHT SHROUD	Shielding Angle:



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

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Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-10

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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NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:15W 3000K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:UP-LIGHT SHROUD	Shielding Angle:

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	0.00	0.31	0.95	2.13	3.92	6.19	8.66	11.1	13.1	14.7	15.9	16.5
-170	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.37	1.00	2.16	3.91	6.12	8.55	11.0	13.1	14.7	15.7	16.4
-160	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.10	0.29	0.79	1.68	3.03	4.78	6.79	8.84	10.8	12.4	13.6	14.4
-150	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.10	0.19	0.46	0.98	1.79	2.88	4.21	5.59	6.94	8.14	9.05	9.61
-140	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.08	0.14	0.24	0.43	0.79	1.28	1.89	2.59	3.32	3.96	4.49	4.82
-130	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.08	0.14	0.21	0.30	0.44	0.63	0.85	1.09	1.32	1.51	1.64
-120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.08	0.12	0.17	0.22	0.28	0.33	0.39	0.44	0.48
-110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.03	0.04	0.05	0.06	0.07
-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	0.00	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
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.09	0.13	0.13	0.12	0.13	0.11	0.08	0.06	0.03	0.00
-60	0.00	0.00	0.00	0.00	0.00	0.11	0.16	0.20	0.27	0.31	0.35	0.36	0.35	0.33	0.30	0.26	0.19	0.10	0.00
-50	0.00	0.00	0.00	0.00	0.13	0.23	0.33	0.43	0.54	0.62	0.79	1.13	1.54	1.91	2.10	2.03	1.64	0.97	0.11
-40	0.00	0.00	0.00	0.08	0.24	0.37	0.55	0.70	1.03	1.91	3.38	5.40	7.58	10.2	12.3	13.7	14.5	13.7	10.7
-30	0.00	0.00	0.00	0.15	0.30	0.53	0.76	1.24	2.80	5.91	10.6	18.7	28.8	44.2	67.4	92.5	120	141	141
-20	0.00	0.00	0.00	0.17	0.42	0.70	1.03	2.46	6.13	12.9	25.9	46.4	84.5	154	293	560	874	1121	1214
-10	0.00	0.00	0.00	0.25	0.48	0.82	1.40	3.92	9.97	22.7	44.7	87.3	178	400	878	1498	2002	2264	2354
0	0.00	0.00	0.00	0.28	0.53	0.90	1.63	4.81	12.4	29.3	57.8	115	246	575	1192	1891	2345	2536	2580
10	0.00	0.01	0.03	0.30	0.60	1.12	2.16	5.66	13.4	29.1	55.2	103	198	408	850	1448	1954	2246	2331
20	0.00	0.02	0.05	0.27	0.61	1.19	2.24	5.18	11.6	22.6	42.3	71.8	119	197	326	543	805	1013	1079
30	0.00	0.03	0.07	0.29	0.55	1.06	2.01	3.88	8.14	15.5	26.4	43.3	64.8	93.5	129	168	205	231	240
40	0.00	0.03	0.09	0.25	0.52	0.84	1.51	2.68	4.77	8.68	14.6	22.5	32.1	44.5	57.0	69.8	81.8	91.5	97.0
50	0.00	0.04	0.10	0.18	0.42	0.66	0.99	1.61	2.62	4.14	6.39	9.78	14.0	19.0	24.1	29.3	33.8	37.6	40.2
60	0.00	0.04	0.10	0.17	0.28	0.51	0.69	0.93	1.27	1.79	2.53	3.49	4.70	6.06	7.55	9.10	10.6	11.8	12.7
70	0.00	0.04	0.09	0.16	0.24	0.34	0.45	0.62	0.80	0.94	1.15	1.33	1.53	1.77	2.01	2.27	2.52	2.74	2.90
80	0.00	0.04	0.08	0.13	0.20	0.26	0.33	0.41	0.49	0.58	0.68	0.77	0.87	0.97	1.07	1.17	1.26	1.35	1.44
90	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.31	0.35	0.39	0.43	0.47	0.51	0.55	0.59	0.63	0.67	0.71
100	0.00	0.04	0.07	0.10	0.13	0.16	0.18	0.20	0.21	0.22	0.23	0.24	0.26	0.27	0.28	0.30	0.31	0.33	0.34
110	0.00	0.03	0.06	0.08	0.10	0.10	0.11	0.10	0.10	0.09	0.08	0.06	0.05	0.03	0.01	0.01	0.00	0.00	0.00
120	0.00	0.03	0.05	0.06	0.07	0.06	0.05	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.03	0.04	0.05	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.04	0.02	0.00
140	0.00	0.02	0.03	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.12	0.28	0.58	0.93	1.33	1.65	1.86	1.92
150	0.00	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.10	0.35	0.86	1.63	2.61	3.63	4.62	5.43	5.97	6.16
160	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.09	0.40	1.07	2.19	3.66	5.40	7.15	8.75	9.98	10.7	11.0
170	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.23	0.76	1.80	3.41	5.48	7.76	10.0	11.9	13.3	14.1	14.3
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.95	2.13	3.92	6.19	8.66	11.1	13.1	14.7	15.9	16.5

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H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-10

V(B) Range:-180 - 180DEG
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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:

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MFR.: EVERFINE	SUR.:UP-LIGHT SHROUD	Shielding Angle:

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	16.5	16.2	15.6	14.2	12.1	9.62	7.08	4.76	2.85	1.48	0.60	0.17	0.00	0.00	0.00	0.00	0.00	0.00	
-170	16.2	15.9	15.0	13.4	11.2	8.86	6.49	4.33	2.58	1.31	0.55	0.18	0.01	0.00	0.00	0.00	0.00	0.00	
-160	14.1	13.4	12.2	10.6	8.79	6.83	4.92	3.22	1.88	0.98	0.44	0.18	0.02	0.00	0.00	0.00	0.00	0.00	
-150	9.42	8.87	7.98	6.84	5.54	4.20	2.95	1.88	1.08	0.55	0.23	0.06	0.02	0.00	0.00	0.00	0.00	0.00	
-140	4.71	4.38	3.89	3.26	2.59	1.91	1.30	0.84	0.51	0.25	0.09	0.03	0.01	0.00	0.00	0.00	0.00	0.00	
-130	1.59	1.47	1.29	1.09	0.86	0.64	0.46	0.30	0.21	0.08	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
-120	0.45	0.41	0.36	0.32	0.26	0.17	0.12	0.08	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-110	0.06	0.05	0.04	0.03	0.03	0.01	0.00	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	0.00	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	
-70	0.03	0.05	0.07	0.08	0.09	0.09	0.09	0.08	0.06	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-60	0.09	0.17	0.23	0.29	0.32	0.34	0.33	0.31	0.27	0.21	0.16	0.10	0.04	0.00	0.00	0.00	0.00	0.00	
-50	0.81	1.35	1.64	1.66	1.48	1.18	0.87	0.69	0.59	0.50	0.39	0.26	0.16	0.06	0.00	0.00	0.00	0.00	
-40	13.2	13.4	12.4	10.6	8.34	6.29	4.42	2.64	1.47	0.90	0.69	0.49	0.29	0.15	0.03	0.00	0.00	0.00	
-30	137	115	86.3	62.3	40.1	25.6	15.6	8.80	4.69	2.15	1.07	0.74	0.48	0.24	0.08	0.00	0.00	0.00	
-20	1108	851	528	270	139	76.2	41.3	22.2	10.7	4.83	1.89	0.99	0.63	0.32	0.12	0.00	0.00	0.00	
-10	2260	1990	1464	824	353	157	77.4	39.1	18.5	8.19	3.00	1.23	0.77	0.40	0.15	0.00	0.00	0.00	
0	2542	2339	1840	1120	496	212	102	50.9	24.2	10.2	3.68	1.40	0.84	0.44	0.16	0.00	0.00	0.00	
10	2241	1943	1414	796	361	178	93.2	49.7	24.8	11.6	4.75	1.98	1.07	0.51	0.20	0.03	0.01	0.00	
20	1000	782	510	303	182	111	66.7	38.6	20.4	10.3	4.62	2.20	1.13	0.52	0.22	0.05	0.02	0.00	
30	228	199	162	124	89.4	61.6	40.2	24.5	14.3	7.49	3.71	1.99	1.01	0.49	0.22	0.07	0.03	0.00	
40	90.9	80.8	68.4	55.4	42.6	30.8	21.5	13.9	8.24	4.64	2.68	1.46	0.76	0.42	0.20	0.09	0.03	0.00	
50	37.4	33.5	28.9	23.6	18.5	13.6	9.53	6.29	4.12	2.59	1.57	0.92	0.58	0.35	0.18	0.10	0.04	0.00	
60	11.8	10.5	9.07	7.54	6.05	4.69	3.47	2.50	1.75	1.20	0.88	0.64	0.44	0.28	0.17	0.10	0.04	0.00	
70	2.73	2.51	2.25	1.98	1.73	1.51	1.29	1.10	0.91	0.75	0.59	0.45	0.34	0.24	0.16	0.09	0.04	0.00	
80	1.35	1.26	1.17	1.07	0.97	0.87	0.77	0.68	0.58	0.49	0.41	0.33	0.26	0.20	0.13	0.08	0.04	0.00	
90	0.67	0.63	0.59	0.55	0.51	0.47	0.43	0.39	0.35	0.31	0.28	0.24	0.20	0.16	0.12	0.08	0.04	0.00	
100	0.33	0.31	0.30	0.28	0.27	0.26	0.24	0.23	0.22	0.21	0.20	0.18	0.16	0.13	0.10	0.07	0.04	0.00	
110	0.00	0.00	0.01	0.01	0.03	0.05	0.06	0.08	0.09	0.10	0.10	0.11	0.10	0.10	0.08	0.06	0.03	0.00	
120	0.01	0.02	0.03	0.04	0.04	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.06	0.07	0.06	0.05	0.03	0.00	
130	0.10	0.19	0.24	0.27	0.24	0.20	0.15	0.09	0.07	0.00	0.00	0.01	0.03	0.04	0.05	0.04	0.03	0.00	
140	2.08	2.07	1.90	1.60	1.28	0.92	0.63	0.43	0.27	0.11	0.02	0.00	0.00	0.02	0.03	0.03	0.02	0.00	
150	6.35	6.16	5.65	4.88	3.94	2.95	2.02	1.25	0.71	0.36	0.13	0.01	0.00	0.01	0.02	0.02	0.02	0.00	
160	11.2	11.0	10.2	8.96	7.40	5.72	4.07	2.61	1.49	0.78	0.35	0.13	0.00	0.00	0.01	0.01	0.01	0.00	
170	14.6	14.4	13.8	12.4	10.5	8.21	5.99	3.97	2.34	1.18	0.49	0.15	0.00	0.00	0.00	0.01	0.01	0.00	
180	16.5	16.2	15.6	14.2	12.1	9.62	7.08	4.76	2.85	1.48	0.60	0.17	0.00	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:2023-02-10

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: