

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

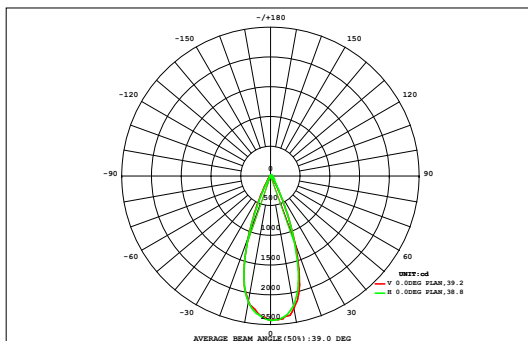
Maximum Intensity		2247.7 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	58.5V x 59.7H
	At 50% of Imax	38.8V x 39.2H
	At 90% of Imax	19.9V x 20.6H
Beam Flux	Total	1000.3 lumens per klm.
	To 10% of Imax	889.3 lumens per klm.
	To 50% of Imax	628.4 lumens per klm.
	To 90% of Imax	206.4 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:1.197A P:13.49W PF:0.9291 Freq:59.99Hz Lamp Flux:1080.39x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:15W 2700K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:Uplight Shroud



DATA OF LAMP		Eff:80.07lm/W	
MODEL	D5A1-15W-27K-BZ	Imax (cd)	2428
NOMINAL POWER (W)	15	AVAILABILITY (%)	88.6
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	956.9
NOMINAL FLUX (lm)	1080.39	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	1080
TEST VOLTAGE (V)	12	θ @50% (H,V)	39,39DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.05	0.09	0.15	0.21	0.29	0.38	0.47	0.54	0.60	0.60	0.55	0.47	0.39	0.30	0.22	0.15	0.10	0.06	5.61	0.00
45	0.05	0.09	0.15	0.21	0.29	0.38	0.47	0.54	0.60	0.60	0.55	0.47	0.39	0.30	0.22	0.15	0.10	0.06	5.61	0.00
40	0.07	0.13	0.21	0.31	0.43	0.57	0.71	0.84	0.92	0.93	0.84	0.72	0.58	0.44	0.32	0.21	0.13	0.08	8.47	0.00
35	0.10	0.17	0.29	0.44	0.63	0.86	1.11	1.35	1.51	1.52	1.37	1.14	0.89	0.65	0.45	0.30	0.18	0.10	13.1	0.61
30	0.12	0.23	0.38	0.61	0.93	1.38	1.96	2.57	2.98	3.00	2.61	2.02	1.43	0.97	0.63	0.40	0.24	0.13	22.6	14.1
25	0.15	0.29	0.50	0.84	1.44	2.46	3.91	5.38	6.33	6.37	5.49	4.03	2.57	1.52	0.89	0.52	0.30	0.16	43.2	37.2
20	0.18	0.34	0.63	1.18	2.34	4.44	7.16	9.66	11.1	11.2	9.90	7.45	4.65	2.48	1.27	0.68	0.37	0.19	75.3	70.4
15	0.20	0.39	0.77	1.63	3.61	6.92	10.7	13.7	15.2	15.4	14.1	11.2	7.34	3.85	1.77	0.84	0.42	0.22	108	104
10	0.21	0.43	0.90	2.10	4.85	9.07	13.3	16.1	17.4	17.5	16.6	14.1	9.74	5.23	2.29	1.00	0.47	0.23	131	128
5	0.21	0.44	0.97	2.40	5.59	10.2	14.5	16.9	18.1	18.3	17.6	15.4	11.1	6.10	2.64	1.09	0.49	0.23	142	139
0	0.20	0.42	0.94	2.35	5.55	10.2	14.4	16.8	18.0	18.2	17.5	15.3	11.1	6.06	2.59	1.06	0.46	0.22	141	138
-5	0.18	0.36	0.80	1.96	4.71	8.94	13.1	15.8	17.0	17.2	16.3	13.9	9.62	5.09	2.15	0.90	0.40	0.19	129	125
-10	0.14	0.29	0.61	1.40	3.35	6.69	10.5	13.4	14.8	14.9	13.7	11.0	7.11	3.59	1.54	0.68	0.32	0.16	104	100
-15	0.11	0.22	0.43	0.89	1.95	4.05	6.80	9.26	10.7	10.8	9.51	7.08	4.27	2.10	0.98	0.48	0.24	0.12	69.9	65.5
-20	0.08	0.15	0.28	0.52	0.99	1.91	3.33	4.78	5.68	5.72	4.89	3.45	2.02	1.07	0.57	0.31	0.17	0.09	36.0	30.6
-25	0.05	0.10	0.17	0.29	0.48	0.79	1.22	1.72	2.03	2.05	1.76	1.28	0.84	0.53	0.32	0.19	0.11	0.06	14.0	5.32
-30	0.03	0.06	0.10	0.15	0.23	0.33	0.45	0.54	0.58	0.58	0.56	0.47	0.36	0.25	0.17	0.11	0.07	0.04	5.07	0.00
-35	0.02	0.03	0.05	0.08	0.11	0.14	0.16	0.18	0.17	0.17	0.18	0.17	0.15	0.12	0.09	0.06	0.04	0.02	1.92	0.00
-40	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.05	0.04	0.04	0.05	0.06	0.06	0.05	0.04	0.03	0.02	0.01	0.69	0.00
-45	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.05	0.04	0.04	0.05	0.06	0.06	0.05	0.04	0.03	0.02	0.01	0.69	0.00
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45			
Φ t	2.12	4.16	8.20	17.4	37.5	69.4	104	129	143	144	134	109	74.2	40.4	18.9	9.01	4.54	2.32	1052	---
Φ a	0.00	0.00	0.00	8.94	31.6	64.2	99.2	125	139	140	129	105	69.1	34.6	11.2	0.00	0.00	0.00	---	957

one-half-peak spread: U:19.2,D:19.7 , L:16.2,R:17.1

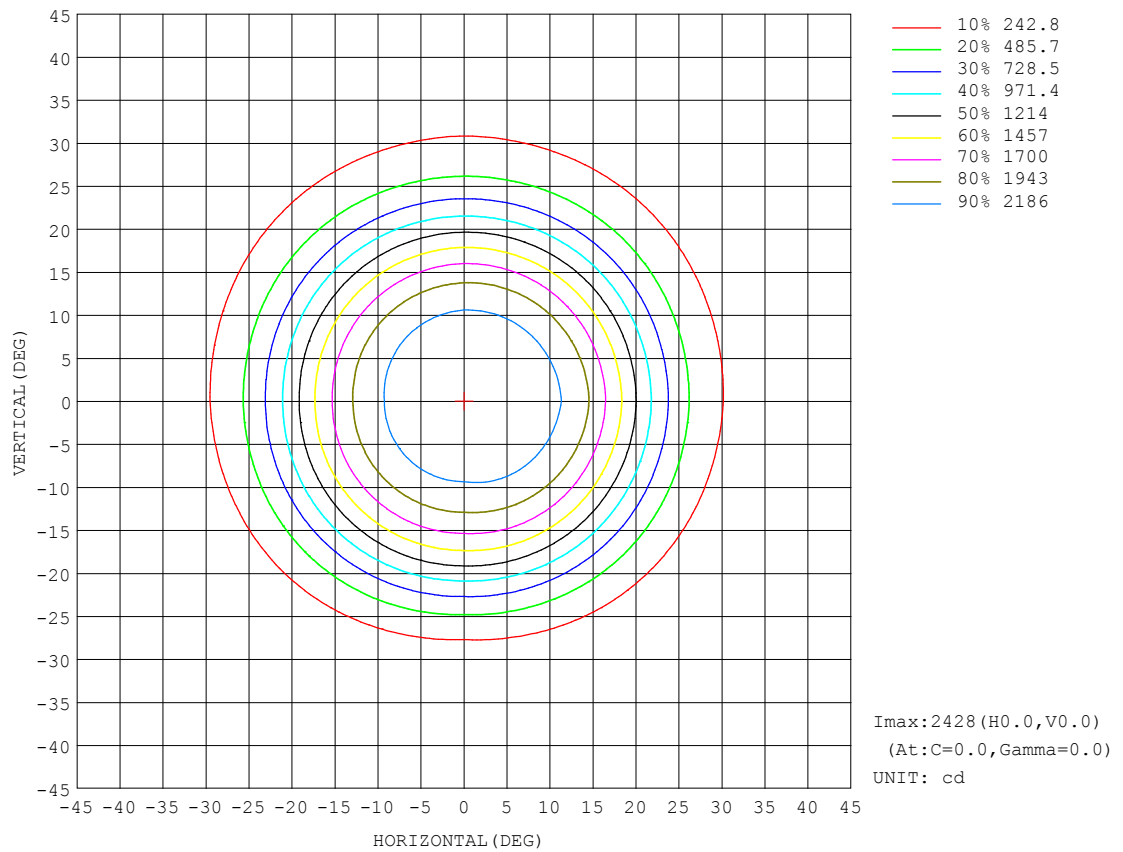
NEMA Beam Type: Type 4

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:1.197A P:13.49W PF:0.9291 Freq:59.99Hz Lamp Flux:1080.39x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:15W 2700K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:Uplight Shroud

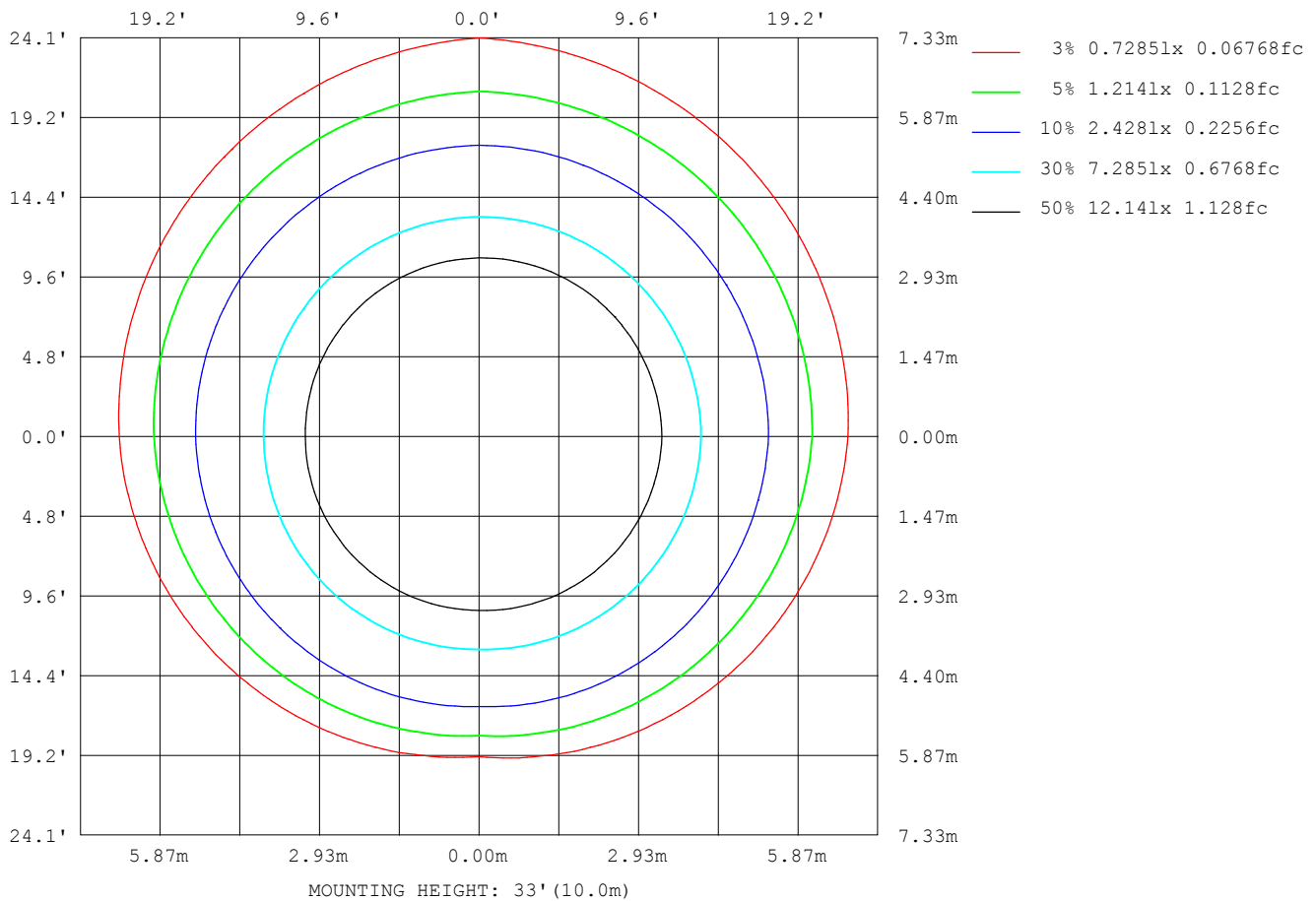


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H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-10

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:

ISOLUX DIAGRAM

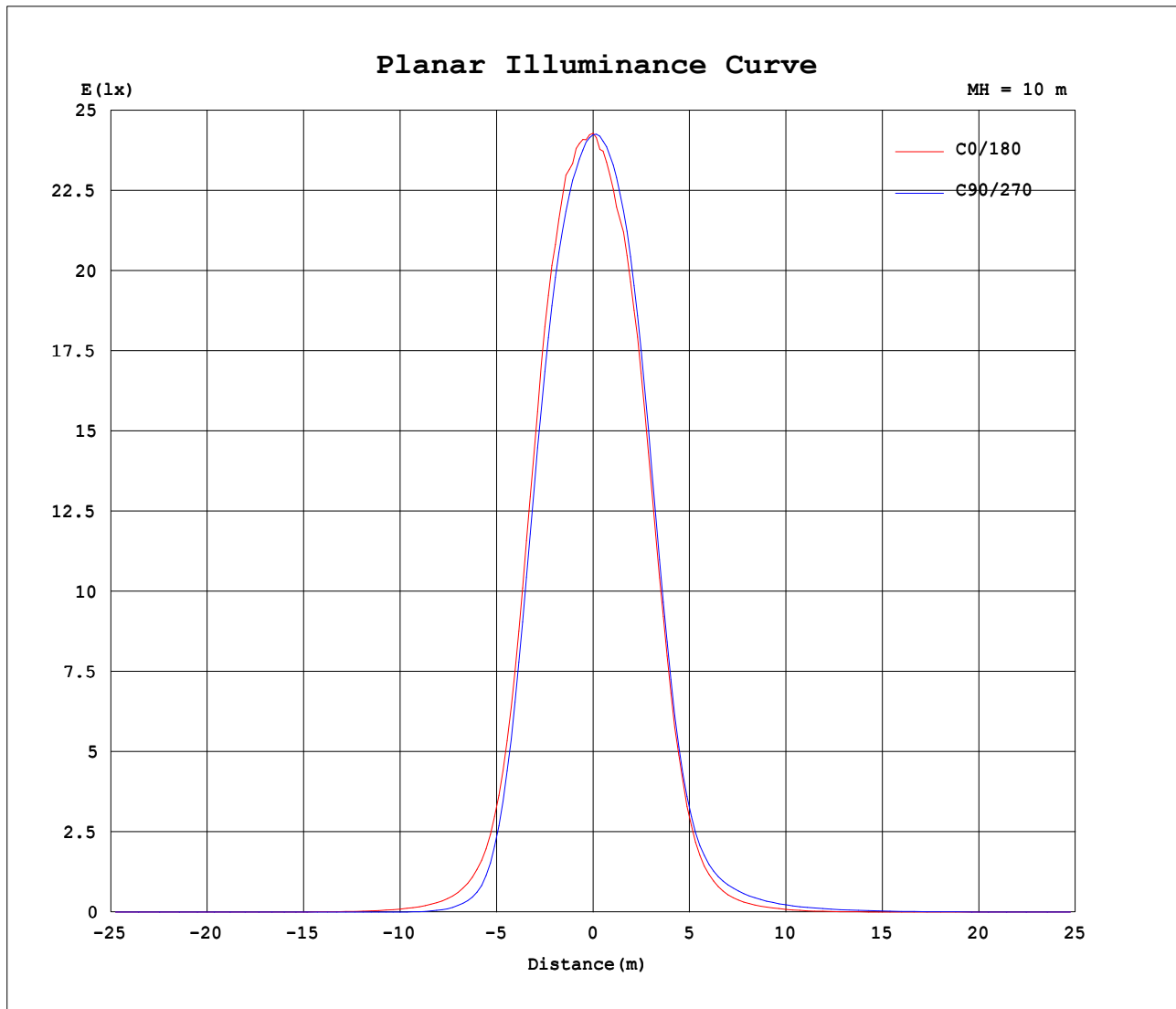
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Test Speed: HIGH
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Operators:ADMIN
Test Date:2023-02-10

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
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Remarks:

Planar Illuminance Curve

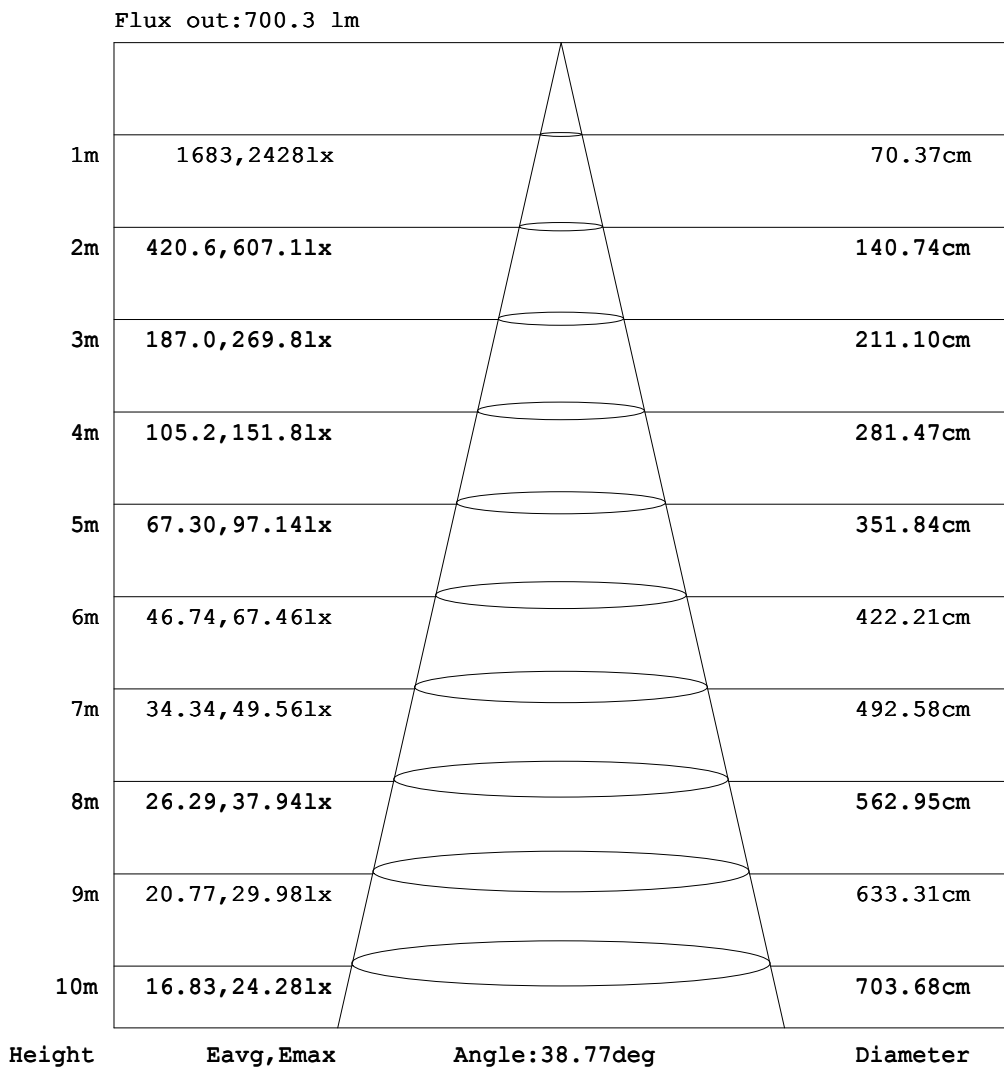


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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
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Remarks:

AAI Figure

Test:U:12.14V I:1.197A P:13.49W PF:0.9291 Freq:59.99Hz Lamp Flux:1080.39x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:15W 2700K 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: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

Test:U:12.14V I:1.197A P:13.49W PF:0.9291 Freq:59.99Hz Lamp Flux:1080.39x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:15W 2700K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:Uplight Shroud

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	0.05	0.38	1.12	2.38	4.22	6.45	8.82	11.0	12.9	14.3	15.6	16.1
-170	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.09	0.45	1.17	2.41	4.20	6.37	8.70	11.0	12.9	14.3	15.3	15.9
-160	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.11	0.36	0.92	1.86	3.27	5.03	7.00	8.97	10.8	12.3	13.4	14.1
-150	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.11	0.21	0.54	1.12	1.98	3.11	4.42	5.81	7.13	8.27	9.14	9.68
-140	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.08	0.15	0.26	0.51	0.90	1.42	2.08	2.80	3.54	4.19	4.70	5.02
-130	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.08	0.14	0.22	0.34	0.48	0.71	0.94	1.21	1.46	1.66	1.80
-120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.08	0.12	0.17	0.23	0.28	0.34	0.41	0.47	0.51
-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	0.00	0.02	0.03	0.05	0.06	0.07	0.08
-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	0.00	0.02	0.07	0.07	0.08	0.10	0.09	0.08	0.07	0.05	0.03	0.00
-60	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.16	0.21	0.26	0.32	0.34	0.34	0.32	0.28	0.23	0.17	0.09	0.00
-50	0.00	0.00	0.00	0.00	0.03	0.13	0.26	0.38	0.52	0.60	0.71	0.97	1.24	1.56	1.75	1.69	1.34	0.74	0.00
-40	0.00	0.00	0.00	0.00	0.13	0.29	0.51	0.68	0.91	1.59	2.79	4.55	6.40	8.82	10.6	12.0	12.5	11.8	9.09
-30	0.00	0.00	0.00	0.05	0.25	0.46	0.74	1.10	2.26	4.93	8.99	16.2	25.1	37.9	57.0	80.7	107	128	129
-20	0.00	0.00	0.00	0.14	0.32	0.67	0.97	2.06	5.08	10.9	22.7	40.0	72.1	136	273	520	798	1016	1091
-10	0.00	0.00	0.00	0.15	0.40	0.79	1.25	3.14	8.46	19.8	38.7	74.3	158	376	814	1373	1831	2075	2153
0	0.00	0.00	0.00	0.15	0.45	0.88	1.45	3.85	10.6	25.5	49.7	99.2	222	548	1111	1739	2143	2327	2428
10	0.00	0.01	0.03	0.20	0.53	1.12	2.06	4.96	12.0	26.3	49.8	91.6	183	405	840	1398	1869	2123	2222
20	0.00	0.02	0.05	0.24	0.54	1.20	2.25	4.90	10.7	21.0	39.8	66.7	111	190	339	584	861	1080	1165
30	0.00	0.03	0.07	0.19	0.51	1.05	2.08	3.93	7.84	14.8	25.3	41.8	62.9	90.3	125	168	213	254	273
40	0.00	0.03	0.09	0.17	0.41	0.80	1.57	2.80	4.90	8.66	14.4	22.2	31.8	44.0	57.3	70.8	83.3	93.4	99.8
50	0.00	0.04	0.09	0.18	0.32	0.56	0.98	1.67	2.77	4.37	6.67	10.0	14.2	19.2	24.4	29.7	34.5	38.5	41.4
60	0.00	0.04	0.09	0.17	0.27	0.40	0.64	0.90	1.30	1.88	2.70	3.73	5.01	6.45	8.01	9.63	11.2	12.6	13.6
70	0.00	0.04	0.09	0.15	0.24	0.33	0.44	0.56	0.72	0.92	1.10	1.29	1.57	1.84	2.16	2.48	2.77	3.03	3.22
80	0.00	0.04	0.08	0.13	0.19	0.25	0.32	0.40	0.48	0.58	0.66	0.76	0.85	0.95	1.05	1.14	1.24	1.32	1.41
90	0.00	0.04	0.08	0.11	0.15	0.19	0.23	0.26	0.30	0.34	0.38	0.42	0.45	0.49	0.53	0.57	0.60	0.64	0.68
100	0.00	0.04	0.07	0.10	0.13	0.15	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.29	0.30	0.32
110	0.00	0.03	0.06	0.08	0.09	0.10	0.10	0.10	0.09	0.08	0.07	0.06	0.04	0.03	0.01	0.00	0.00	0.00	0.00
120	0.00	0.03	0.05	0.06	0.06	0.06	0.04	0.03	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	0.02	0.04	0.04	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	0.00	0.00
140	0.00	0.02	0.03	0.03	0.02	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
150	0.00	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.14	0.41	0.95	1.70	2.61	3.58	4.49	5.19	5.63
160	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.13	0.48	1.19	2.31	3.77	5.42	7.05	8.49	9.58	10.2
170	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.30	0.90	2.00	3.63	5.64	7.79	9.87	11.6	12.8	13.6
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.38	1.12	2.38	4.22	6.45	8.82	11.0	12.9	14.3	15.6	16.1

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Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

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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	16.1	15.6	14.8	13.4	11.4	8.95	6.56	4.42	2.62	1.33	0.57	0.15	0.00	0.00	0.00	0.00	0.00	0.00	
-170	15.7	15.2	14.3	12.8	10.7	8.38	6.11	4.08	2.43	1.24	0.53	0.17	0.01	0.00	0.00	0.00	0.00	0.00	
-160	13.8	13.1	11.9	10.3	8.47	6.55	4.73	3.10	1.79	0.89	0.38	0.11	0.02	0.00	0.00	0.00	0.00	0.00	
-150	9.41	8.80	7.88	6.73	5.45	4.14	2.90	1.84	1.03	0.53	0.22	0.05	0.02	0.00	0.00	0.00	0.00	0.00	
-140	4.87	4.51	3.99	3.34	2.64	1.93	1.33	0.82	0.47	0.25	0.08	0.03	0.01	0.00	0.00	0.00	0.00	0.00	
-130	1.73	1.58	1.37	1.13	0.89	0.66	0.47	0.30	0.14	0.08	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	
-120	0.48	0.43	0.37	0.30	0.23	0.17	0.12	0.08	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-110	0.08	0.07	0.06	0.05	0.03	0.02	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	0.06	0.08	0.10	0.11	0.12	0.11	0.11	0.09	0.07	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	
-60	0.11	0.21	0.28	0.32	0.36	0.38	0.38	0.36	0.31	0.26	0.20	0.14	0.08	0.03	0.00	0.00	0.00	0.00	
-50	0.88	1.59	2.03	2.15	1.97	1.59	1.20	0.86	0.67	0.58	0.45	0.32	0.20	0.10	0.02	0.00	0.00	0.00	
-40	12.2	13.3	12.9	11.7	9.95	7.43	5.43	3.51	1.99	1.12	0.77	0.58	0.36	0.20	0.07	0.00	0.00	0.00	
-30	131	112	86.0	61.8	41.2	27.4	18.0	10.4	5.99	2.89	1.35	0.84	0.54	0.29	0.12	0.01	0.00	0.00	
-20	1031	824	540	291	149	79.9	44.0	25.1	12.7	6.25	2.57	1.10	0.75	0.40	0.17	0.02	0.00	0.00	
-10	2113	1911	1461	875	408	176	83.2	42.7	22.3	10.0	4.03	1.53	0.88	0.47	0.21	0.03	0.00	0.00	
0	2409	2263	1897	1219	594	250	112	55.0	28.4	12.5	4.92	1.78	0.97	0.51	0.22	0.04	0.00	0.00	
10	2161	1949	1486	901	438	201	101	53.8	28.8	13.6	5.85	2.34	1.21	0.59	0.26	0.06	0.01	0.00	
20	1096	886	604	357	203	119	70.7	42.2	22.7	11.9	5.41	2.39	1.28	0.61	0.28	0.07	0.02	0.00	
30	257	218	173	130	93.7	65.2	43.6	26.7	15.9	8.47	4.17	2.17	1.12	0.55	0.26	0.08	0.03	0.00	
40	93.9	84.1	71.7	58.4	45.1	32.8	23.0	15.1	9.06	5.11	2.90	1.63	0.87	0.48	0.24	0.09	0.03	0.00	
50	38.6	34.7	30.0	24.8	19.6	14.6	10.2	6.83	4.44	2.83	1.73	1.04	0.63	0.39	0.20	0.09	0.04	0.00	
60	12.6	11.3	9.68	8.05	6.49	5.05	3.77	2.74	1.94	1.35	0.94	0.68	0.47	0.30	0.17	0.09	0.04	0.00	
70	3.03	2.78	2.49	2.18	1.87	1.58	1.33	1.13	0.94	0.77	0.61	0.46	0.33	0.24	0.15	0.09	0.04	0.00	
80	1.33	1.24	1.15	1.05	0.96	0.86	0.76	0.66	0.58	0.48	0.40	0.32	0.25	0.19	0.13	0.08	0.04	0.00	
90	0.64	0.60	0.57	0.53	0.49	0.45	0.42	0.38	0.34	0.30	0.26	0.23	0.19	0.15	0.11	0.08	0.04	0.00	
100	0.30	0.29	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.17	0.15	0.13	0.10	0.07	0.04	0.00	
110	0.00	0.00	0.00	0.01	0.03	0.04	0.06	0.07	0.08	0.09	0.10	0.10	0.10	0.09	0.08	0.06	0.03	0.00	
120	0.01	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.06	0.06	0.06	0.05	0.03	0.00	
130	0.09	0.17	0.22	0.23	0.21	0.18	0.13	0.08	0.00	0.00	0.00	0.00	0.02	0.04	0.04	0.04	0.02	0.00	
140	1.90	1.91	1.73	1.50	1.19	0.83	0.59	0.37	0.21	0.10	0.00	0.00	0.00	0.02	0.03	0.03	0.02	0.00	
150	5.90	5.72	5.25	4.51	3.64	2.73	1.87	1.13	0.63	0.33	0.12	0.00	0.00	0.01	0.02	0.02	0.02	0.00	
160	10.6	10.3	9.57	8.37	6.89	5.29	3.77	2.42	1.35	0.66	0.27	0.07	0.00	0.00	0.01	0.01	0.01	0.00	
170	14.0	13.8	13.0	11.7	9.76	7.65	5.55	3.67	2.16	1.09	0.47	0.14	0.00	0.00	0.00	0.01	0.00	0.00	
180	16.1	15.6	14.8	13.4	11.4	8.95	6.56	4.42	2.62	1.33	0.57	0.15	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: