

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	734.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	104.1V x 129.5H
	At 50% of Imax	52.3V x 78.1H
	At 90% of Imax	20.3V x 32.8H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	918.1 lumens per klm.
	To 50% of Imax	551.2 lumens per klm.
	To 90% of Imax	127.5 lumens per klm.

Upward LOR	1.1 %
Downward LOR	98.9 %

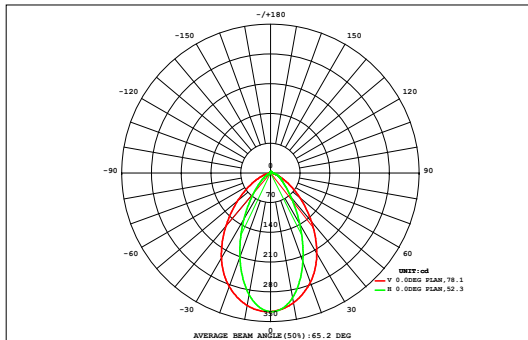
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-10-06

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:12.17V I:0.6812A P:7.550W PF:0.9106 Freq:59.98Hz Lamp Flux:444.673x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:8W 3000K 60°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:FLOOD-LIGHT SHROUD



DATA OF LAMP		Eff:58.90lm/W	
MODEL	F5A1-8W-30K-BZ	Imax (cd)	326.6
NOMINAL POWER (W)	8	AVAILABILITY (%)	92.0
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	408.9
NOMINAL FLUX (lm)	444.673	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	444.7
TEST VOLTAGE (V)	12	θ @50% (H,V)	78,52DEG

		AREA FLUX DIAGRAM															UNIT:lm		Φ t	Φ a	
		0.00	0.00	0.01	0.02	0.03	0.06	0.08	0.10	0.12	0.12	0.10	0.08	0.05	0.03	0.02	0.01	0.00	0.00	0.84	0.00
VERTICAL (DEG)	90	0.00	0.00	0.02	0.07	0.14	0.22	0.29	0.35	0.39	0.38	0.34	0.28	0.20	0.12	0.06	0.02	0.00	0.00	2.90	0.00
	80	0.00	0.01	0.06	0.17	0.33	0.48	0.61	0.69	0.69	0.69	0.66	0.58	0.45	0.29	0.15	0.05	0.01	0.00	5.92	0.00
	70	0.00	0.02	0.13	0.32	0.58	0.85	1.07	1.16	1.12	1.10	1.11	1.00	0.79	0.53	0.28	0.10	0.02	0.00	10.2	6.30
	60	0.00	0.04	0.20	0.50	0.92	1.38	1.77	1.97	1.89	1.86	1.89	1.67	1.28	0.83	0.44	0.17	0.03	0.00	16.8	15.5
	50	0.00	0.06	0.28	0.71	1.35	2.12	2.85	3.34	3.36	3.32	3.23	2.70	1.96	1.23	0.63	0.24	0.04	0.00	27.4	26.5
	40	0.00	0.07	0.35	0.93	1.84	3.03	4.28	5.26	5.60	5.56	5.12	4.07	2.82	1.68	0.83	0.30	0.06	0.00	41.8	41.1
	30	0.00	0.08	0.41	1.13	2.33	3.97	5.73	7.22	8.01	7.95	7.06	5.49	3.70	2.12	1.01	0.36	0.07	0.00	56.6	56.1
	-30	0.00	0.09	0.45	1.28	2.71	4.70	6.82	8.53	9.52	9.45	8.32	6.52	4.38	2.46	1.13	0.39	0.07	0.00	66.8	66.3
		0.00	0.09	0.45	1.27	2.69	4.68	6.78	8.47	9.44	9.36	8.26	6.48	4.35	2.45	1.12	0.39	0.07	0.00	66.4	65.9
		0.00	0.08	0.40	1.10	2.28	3.89	5.63	7.06	7.76	7.71	6.89	5.38	3.62	2.07	0.98	0.34	0.06	0.00	55.3	54.7
		0.00	0.06	0.32	0.88	1.76	2.91	4.11	5.04	5.30	5.25	4.90	3.91	2.69	1.60	0.78	0.28	0.05	0.00	39.8	39.1
		0.00	0.05	0.24	0.64	1.24	1.96	2.63	3.05	3.01	2.97	2.94	2.47	1.80	1.12	0.56	0.20	0.03	0.00	24.9	24.0
		0.00	0.03	0.16	0.41	0.78	1.19	1.52	1.64	1.48	1.45	1.56	1.41	1.09	0.70	0.36	0.13	0.02	0.00	13.9	12.2
		0.00	0.01	0.09	0.23	0.42	0.62	0.77	0.80	0.69	0.67	0.75	0.71	0.56	0.37	0.19	0.07	0.01	0.00	6.96	1.10
		0.00	0.00	0.03	0.10	0.18	0.25	0.29	0.28	0.21	0.20	0.25	0.25	0.21	0.15	0.07	0.02	0.00	0.00	2.51	0.00
	-70	0.00	0.00	0.00	0.02	0.04	0.06	0.07	0.05	0.03	0.02	0.04	0.05	0.04	0.03	0.01	0.00	0.00	0.00	0.47	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	0.01	0.00	
-90	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)		20	30	40	50	60	70	80	90			
Φ t	0.02	0.71	3.61	9.76	19.6	32.4	45.3	55.0	58.6	58.1	53.4	43.1	30.0	17.8	8.63	3.07	0.55	0.01	440	---	
Φ a	0.00	0.00	1.24	7.85	17.8	30.5	43.3	52.9	56.3	55.7	51.3	41.0	28.0	15.8	6.60	0.69	0.00	0.00	---	409	

one-half-peak spread: U:26.7,D:26.0 , L:39.3,R:39.3

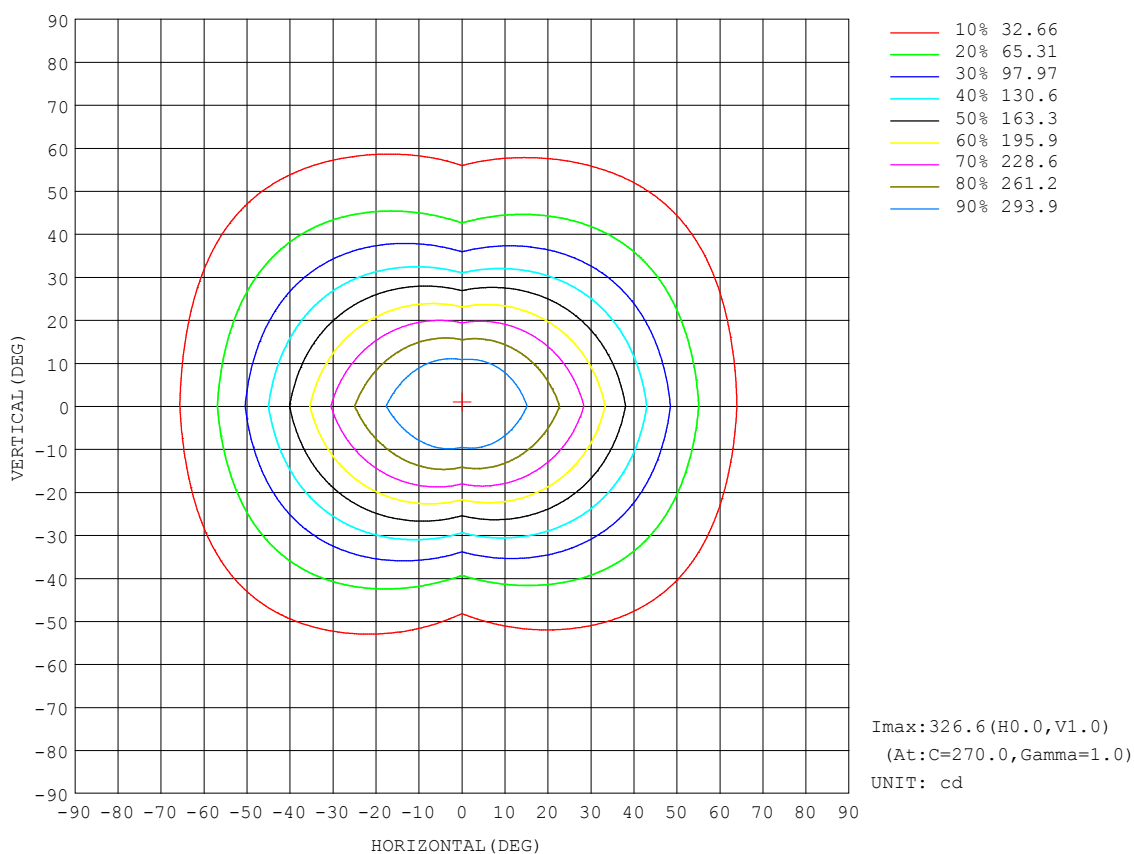
NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-10-06

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:12.17V I:0.6812A P:7.550W PF:0.9106 Freq:59.98Hz Lamp Flux:444.673x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:8W 3000K 60°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:FLOOD-LIGHT SHROUD

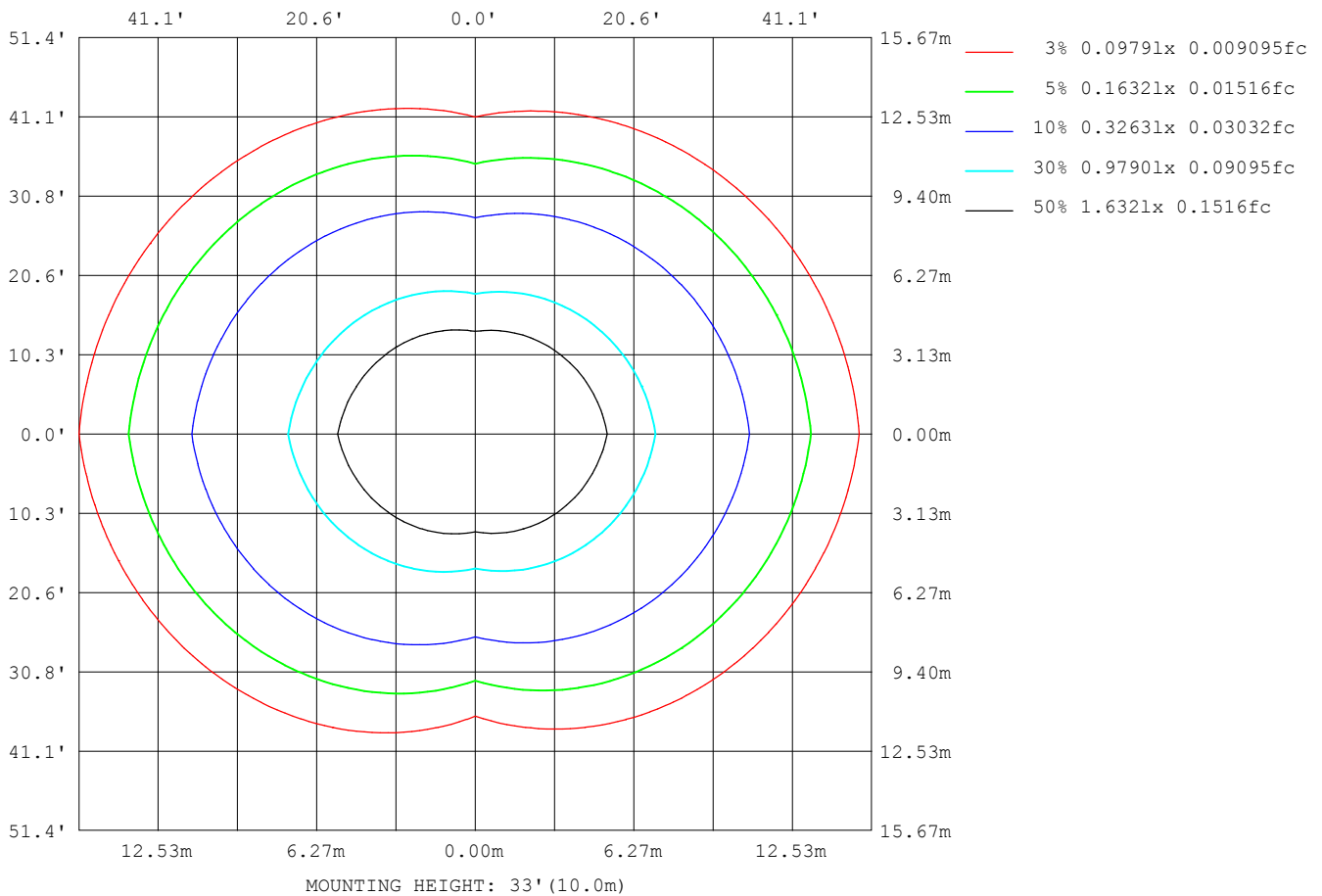


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Operators:ADMIN
Test Date:2023-10-06

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V(B) Interval: 0.5DEG
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Humidity:65.0%
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Remarks:

ISOLUX DIAGRAM

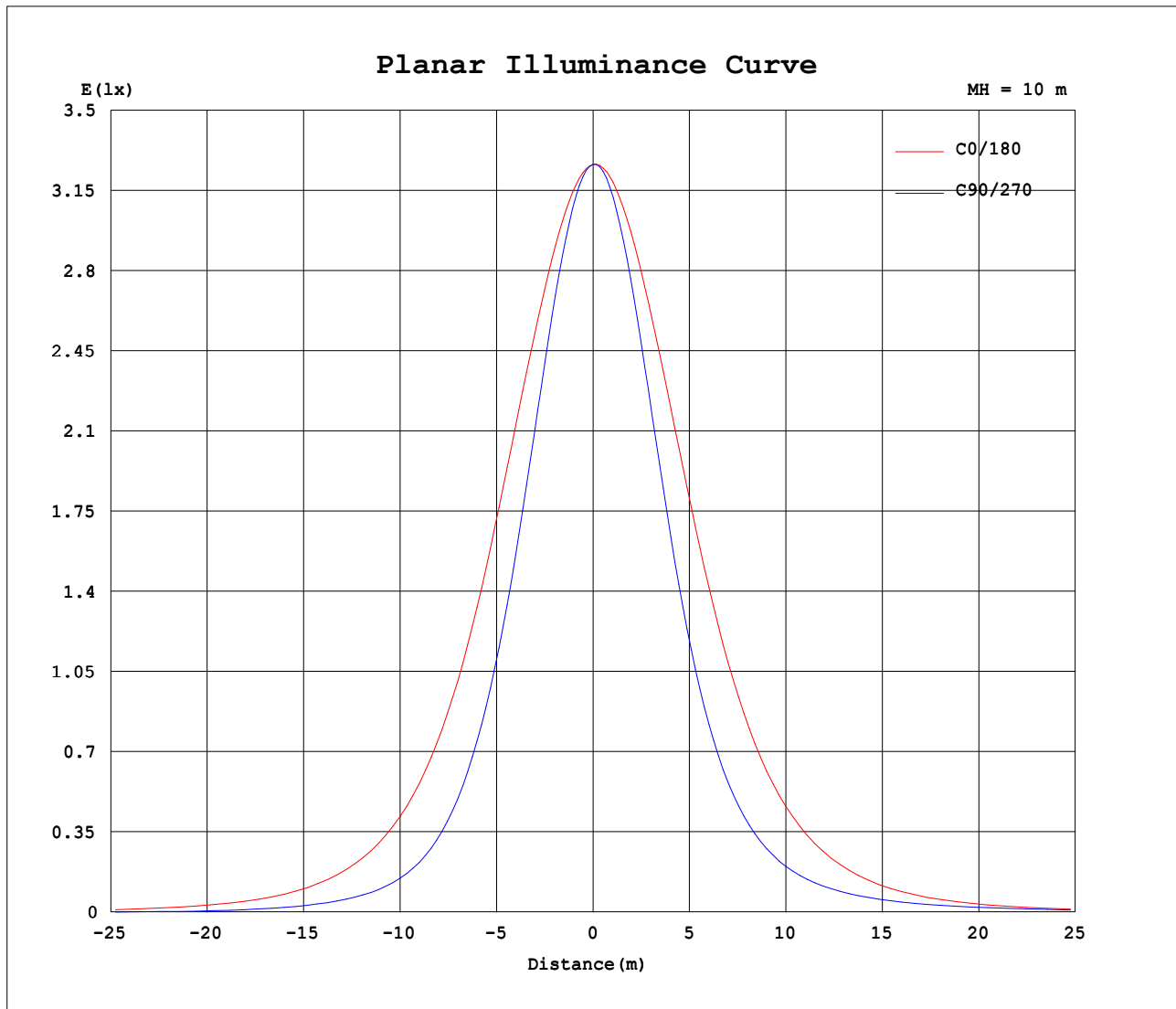
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MFR.: EVERFINE	SUR.:	Shielding Angle:FLOOD-LIGHT SHROUD



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Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-10-06

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

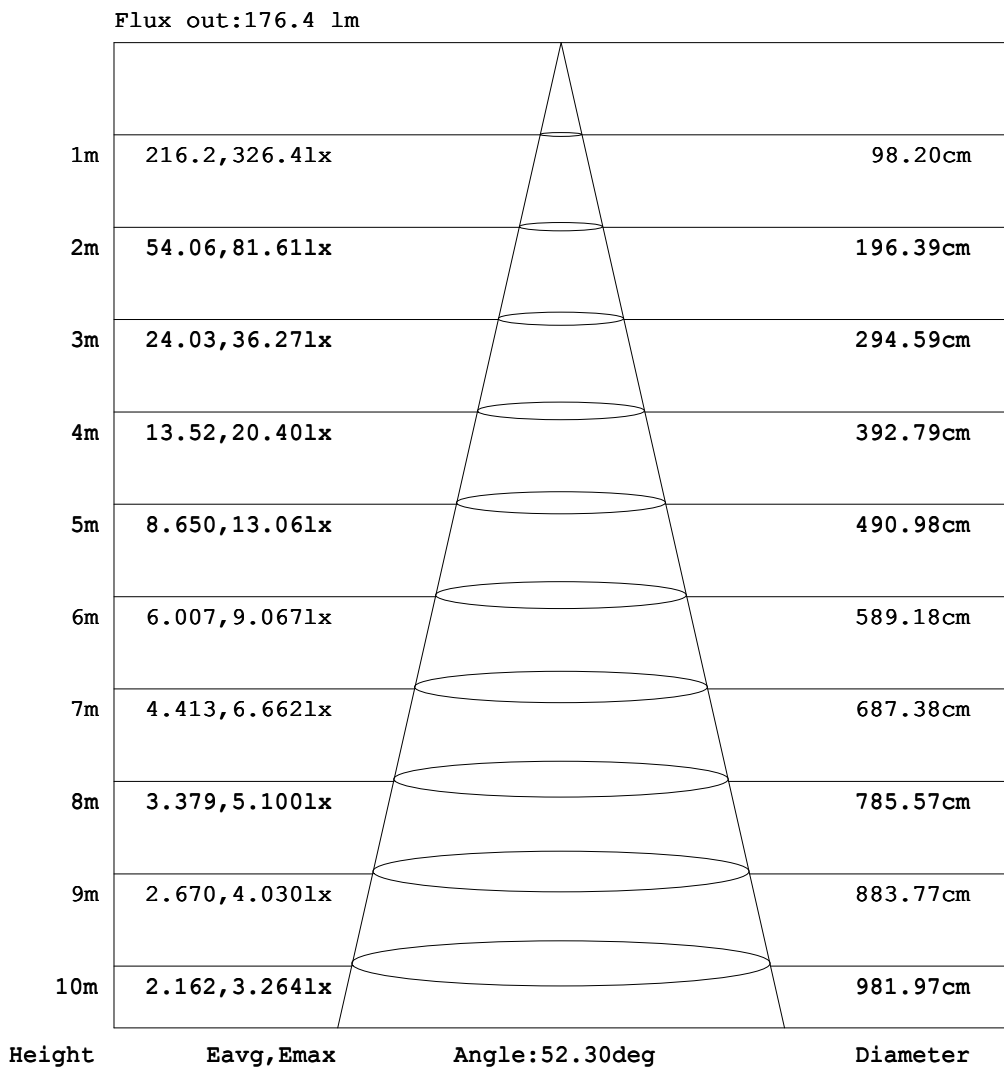


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Test Speed: HIGH
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Operators:ADMIN
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AAI Figure

Test:U:12.17V I:0.6812A P:7.550W PF:0.9106 Freq:59.98Hz Lamp Flux:444.673x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:8W 3000K 60°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:FLOOD-LIGHT 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:2023-10-06

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:12.17V I:0.6812A P:7.550W PF:0.9106 Freq:59.98Hz Lamp Flux:444.673x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:8W 3000K 60°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:FLOOD-LIGHT 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	0.07	0.23	0.42	0.65	0.90	1.16	1.44	1.73	2.03	2.32	2.60	2.86	3.09	3.29	3.38
-170	0.00	0.00	0.00	0.00	0.06	0.22	0.40	0.62	0.85	1.11	1.40	1.68	1.97	2.26	2.54	2.80	3.03	3.19	3.29
-160	0.00	0.00	0.00	0.00	0.05	0.18	0.35	0.53	0.74	0.98	1.22	1.48	1.74	1.99	2.25	2.47	2.64	2.78	2.86
-150	0.00	0.00	0.00	0.00	0.02	0.13	0.26	0.41	0.58	0.77	0.97	1.16	1.38	1.58	1.77	1.93	2.07	2.16	2.21
-140	0.00	0.00	0.00	0.00	0.00	0.06	0.16	0.27	0.40	0.53	0.67	0.82	0.96	1.09	1.21	1.33	1.43	1.47	1.48
-130	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.14	0.22	0.30	0.40	0.48	0.56	0.64	0.71	0.77	0.82	0.84	0.84
-120	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.12	0.17	0.21	0.26	0.30	0.35	0.37	0.39	0.40	0.40
-110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.05	0.07	0.08	0.09	0.10	0.11	0.12
-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	0.09	0.19	0.27	0.37	0.44	0.49	0.49	0.47	0.40	0.29	0.15	0.00
-70	0.00	0.00	0.00	0.01	0.34	0.90	1.73	2.70	3.66	4.42	4.96	5.30	5.38	5.21	4.81	4.17	3.32	2.30	1.18
-60	0.00	0.00	0.00	0.62	2.04	4.21	6.61	8.92	11.1	13.0	14.7	16.1	17.2	17.8	17.7	17.0	15.7	13.7	11.3
-50	0.00	0.00	0.31	1.97	5.26	9.21	13.4	17.7	22.3	27.1	31.5	35.3	38.2	39.9	40.3	39.3	36.9	33.2	28.4
-40	0.00	0.00	0.77	3.98	9.11	15.0	21.7	29.3	37.7	46.3	54.5	61.9	68.1	72.8	75.6	76.2	74.2	69.6	62.1
-30	0.00	0.00	1.37	6.18	13.0	21.2	31.1	42.6	55.5	69.1	82.9	96.6	109	121	130	136	138	135	126
-20	0.00	0.00	2.00	8.15	16.6	27.1	40.2	55.9	73.8	93.6	115	137	158	178	195	208	216	218	211
-10	0.00	0.00	2.48	9.60	19.3	31.8	47.7	67.1	89.9	116	144	173	202	228	251	270	284	293	291
0	0.00	0.00	2.68	10.3	20.8	34.5	52.1	74.1	100	131	164	198	232	261	285	303	317	325	326
10	0.00	0.04	2.64	9.98	19.9	32.7	48.7	68.2	91.3	117	146	175	204	231	254	274	289	298	299
20	0.00	0.08	2.31	8.86	17.8	28.8	42.3	58.2	76.4	96.7	118	141	162	183	201	215	225	228	223
30	0.00	0.10	1.78	7.13	14.7	23.6	34.1	46.1	59.3	73.5	88.0	102	116	128	138	145	147	145	138
40	0.00	0.12	1.23	5.04	11.0	17.9	25.6	34.0	42.8	51.9	60.7	68.9	76.0	81.6	85.5	87.1	86.2	82.6	76.2
50	0.00	0.12	0.77	3.02	7.14	12.2	17.5	23.0	28.7	34.1	39.2	43.6	47.2	49.7	50.9	50.9	49.5	46.9	43.2
60	0.00	0.11	0.41	1.54	3.66	6.76	10.3	13.9	17.3	20.5	23.5	26.0	28.0	29.4	30.2	30.3	29.9	28.9	27.4
70	0.00	0.08	0.31	0.69	1.54	2.75	4.37	6.28	8.28	10.2	12.0	13.5	14.9	15.9	16.7	17.2	17.5	17.6	17.5
80	0.00	0.05	0.17	0.37	0.65	0.99	1.39	1.96	2.58	3.23	3.94	4.64	5.34	5.99	6.63	7.19	7.69	8.12	8.48
90	0.00	0.02	0.04	0.06	0.08	0.10	0.13	0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.36	0.38
100	0.00	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	0.00	0.00	0.00	0.00	0.00
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	0.01	0.01	0.01	0.01	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.07	0.09	0.10	0.10	0.09	0.07	0.05	0.03	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.09	0.14	0.18	0.21	0.24	0.29	0.33	0.33	0.37	0.36	0.33	0.30
140	0.00	0.00	0.00	0.00	0.00	0.04	0.12	0.20	0.28	0.36	0.46	0.57	0.65	0.72	0.79	0.86	0.86	0.88	0.85
150	0.00	0.00	0.00	0.00	0.01	0.11	0.21	0.32	0.46	0.62	0.77	0.93	1.09	1.23	1.36	1.48	1.55	1.57	1.52
160	0.00	0.00	0.00	0.00	0.04	0.16	0.30	0.46	0.65	0.86	1.06	1.29	1.51	1.73	1.92	2.12	2.22	2.31	2.29
170	0.00	0.00	0.00	0.00	0.06	0.21	0.38	0.58	0.80	1.05	1.31	1.57	1.84	2.11	2.37	2.60	2.82	2.96	2.95
180	0.00	0.00	0.00	0.00	0.07	0.23	0.42	0.65	0.90	1.16	1.44	1.73	2.03	2.32	2.60	2.86	3.09	3.29	3.36

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
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Operators:ADMIN
Test Date:2023-10-06

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

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MFR.: EVERFINE	SUR.:	Shielding Angle:FLOOD-LIGHT 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	3.36	3.22	3.08	2.92	2.74	2.46	2.25	1.97	1.66	1.36	1.05	0.77	0.56	0.31	0.14	0.00	0.00	0.00	
-170	3.24	3.16	3.00	2.82	2.57	2.34	2.08	1.82	1.53	1.26	1.01	0.74	0.52	0.30	0.14	0.00	0.00	0.00	
-160	2.84	2.76	2.65	2.48	2.27	2.06	1.84	1.57	1.35	1.09	0.86	0.69	0.44	0.28	0.14	0.00	0.00	0.00	
-150	2.21	2.16	2.07	1.96	1.82	1.65	1.47	1.28	1.06	0.91	0.69	0.52	0.37	0.24	0.12	0.00	0.00	0.00	
-140	1.51	1.51	1.45	1.37	1.27	1.18	1.05	0.91	0.77	0.65	0.49	0.38	0.26	0.13	0.03	0.00	0.00	0.00	
-130	0.87	0.89	0.87	0.83	0.79	0.74	0.67	0.59	0.49	0.41	0.33	0.24	0.13	0.10	0.00	0.00	0.00	0.00	
-120	0.42	0.44	0.44	0.44	0.40	0.38	0.34	0.31	0.26	0.21	0.16	0.11	0.07	0.00	0.00	0.00	0.00	0.00	
-110	0.13	0.13	0.14	0.14	0.15	0.14	0.11	0.08	0.08	0.07	0.02	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	0.09	0.18	0.25	0.29	0.30	0.29	0.26	0.22	0.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-70	2.10	2.92	3.59	4.07	4.34	4.38	4.21	3.86	3.31	2.60	1.81	1.07	0.53	0.19	0.01	0.00	0.00	0.00	
-60	13.3	14.9	15.8	16.2	16.0	15.3	14.1	12.7	11.0	9.17	7.13	5.03	2.93	1.27	0.36	0.00	0.00	0.00	
-50	32.5	35.4	37.2	37.7	36.9	35.0	32.0	28.2	23.8	19.4	15.0	11.1	7.23	3.74	1.22	0.17	0.00	0.00	
-40	68.4	71.9	72.9	71.4	68.0	62.9	56.6	49.3	41.5	33.4	25.5	18.5	12.4	7.08	2.69	0.45	0.00	0.00	
-30	134	135	132	125	114	102	89.0	75.6	62.3	49.6	37.6	26.9	17.9	10.5	4.44	0.82	0.00	0.00	
-20	217	213	203	188	170	149	127	105	84.7	66.1	49.5	35.0	23.1	13.7	6.12	1.23	0.00	0.00	
-10	291	280	263	243	219	191	161	132	105	80.6	59.5	41.7	27.3	16.1	7.38	1.54	0.00	0.00	
0	321	310	294	274	249	218	184	150	118	89.8	65.6	45.6	29.6	17.4	7.98	1.67	0.00	0.00	
10	296	285	267	246	221	193	163	134	107	81.9	60.7	42.7	28.2	16.7	7.76	1.70	0.04	0.00	
20	226	221	210	194	175	153	131	109	87.8	68.8	51.9	37.1	24.9	14.9	6.82	1.53	0.08	0.00	
30	144	144	140	132	121	109	94.8	80.7	66.7	53.4	41.0	30.0	20.4	12.2	5.38	1.23	0.10	0.00	
40	81.4	83.9	83.8	81.3	76.8	70.8	63.6	55.5	47.1	38.5	30.2	22.4	15.3	9.00	3.75	0.91	0.12	0.00	
50	46.1	48.1	48.8	48.3	46.7	43.9	40.3	35.8	30.9	25.7	20.4	15.2	10.2	5.63	2.26	0.64	0.12	0.00	
60	28.4	29.0	29.1	28.7	27.7	26.1	24.0	21.4	18.5	15.4	12.1	8.72	5.48	2.89	1.28	0.41	0.11	0.00	
70	17.4	17.1	16.7	16.0	15.0	13.9	12.5	10.9	9.09	7.23	5.39	3.72	2.38	1.39	0.69	0.31	0.08	0.00	
80	8.06	7.58	7.04	6.44	5.80	5.14	4.46	3.78	3.12	2.50	1.92	1.39	0.99	0.65	0.37	0.17	0.05	0.00	
90	0.36	0.33	0.31	0.29	0.27	0.25	0.23	0.21	0.19	0.17	0.15	0.13	0.10	0.08	0.06	0.04	0.02	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	0.01	0.00	
110	0.02	0.04	0.05	0.07	0.08	0.09	0.08	0.07	0.07	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
120	0.05	0.10	0.15	0.19	0.19	0.21	0.22	0.22	0.20	0.18	0.14	0.10	0.07	0.00	0.00	0.00	0.00	0.00	
130	0.37	0.42	0.46	0.45	0.47	0.47	0.43	0.40	0.36	0.33	0.28	0.22	0.12	0.10	0.00	0.00	0.00	0.00	
140	0.92	0.95	0.99	0.95	0.90	0.87	0.80	0.70	0.60	0.52	0.42	0.34	0.24	0.13	0.03	0.00	0.00	0.00	
150	1.62	1.65	1.62	1.55	1.47	1.35	1.23	1.08	0.91	0.79	0.60	0.47	0.35	0.23	0.12	0.00	0.00	0.00	
160	2.36	2.34	2.30	2.15	2.00	1.83	1.65	1.42	1.23	1.00	0.79	0.65	0.42	0.27	0.14	0.00	0.00	0.00	
170	3.01	2.95	2.79	2.65	2.43	2.22	1.97	1.73	1.46	1.21	0.98	0.72	0.51	0.29	0.14	0.00	0.00	0.00	
180	3.36	3.22	3.08	2.92	2.74	2.46	2.25	1.97	1.66	1.36	1.05	0.77	0.56	0.31	0.14	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:2023-10-06

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: