

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

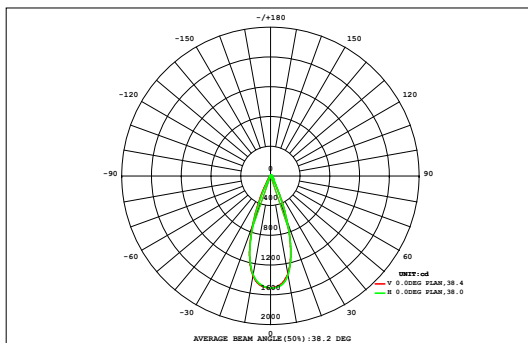
Maximum Intensity		2320.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	58.0V x 59.3H
	At 50% of Imax	38.0V x 38.4H
	At 90% of Imax	19.8V x 19.8H
Beam Flux	Total	1000.3 lumens per klm.
	To 10% of Imax	890.3 lumens per klm.
	To 50% of Imax	614.9 lumens per klm.
	To 90% of Imax	211.3 lumens per klm.
	Upward LOR	1.4 %
	Downward LOR	98.7 %
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:24 May 2022

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:0.6572A P:7.273W PF:0.9103 Freq:59.99Hz Lamp Flux:649.115x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:8W 3000K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:UP-LIGHT SHROUD



DATA OF LAMP		Eff:89.25lm/W	
MODEL	D5A1-8W-30K-BZ	Imax (cd)	1506
NOMINAL POWER (W)	8	AVAILABILITY (%)	88.7
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	575.7
NOMINAL FLUX (lm)	649.115	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	649.1
TEST VOLTAGE (V)	12	θ @50% (H,V)	38,38DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.03	0.05	0.08	0.12	0.16	0.21	0.26	0.30	0.33	0.33	0.30	0.26	0.21	0.16	0.12	0.08	0.05	0.03	3.06	0.00
45	0.03	0.05	0.08	0.12	0.16	0.21	0.26	0.30	0.33	0.33	0.30	0.26	0.21	0.16	0.12	0.08	0.05	0.03	3.06	0.00
40	0.04	0.07	0.12	0.17	0.25	0.32	0.40	0.47	0.52	0.52	0.47	0.40	0.32	0.24	0.17	0.11	0.07	0.04	4.73	0.00
35	0.05	0.10	0.16	0.25	0.36	0.50	0.65	0.78	0.87	0.87	0.78	0.65	0.50	0.36	0.25	0.16	0.10	0.05	7.44	0.00
30	0.07	0.13	0.22	0.36	0.55	0.82	1.15	1.48	1.69	1.68	1.46	1.13	0.81	0.55	0.35	0.22	0.13	0.07	12.9	7.31
25	0.09	0.17	0.30	0.51	0.87	1.47	2.30	3.11	3.58	3.56	3.05	2.24	1.44	0.85	0.50	0.29	0.17	0.09	24.6	20.8
20	0.11	0.21	0.38	0.73	1.43	2.67	4.25	5.67	6.45	6.42	5.58	4.13	2.57	1.38	0.71	0.38	0.20	0.10	43.4	40.4
15	0.12	0.24	0.48	1.02	2.23	4.23	6.50	8.27	9.17	9.13	8.16	6.32	4.04	2.12	0.99	0.47	0.23	0.12	63.9	61.2
10	0.13	0.27	0.57	1.33	3.04	5.63	8.23	9.99	10.8	10.8	9.88	8.03	5.38	2.86	1.27	0.56	0.26	0.13	79.1	76.7
5	0.13	0.28	0.63	1.54	3.57	6.45	9.10	10.7	11.3	11.3	10.6	8.87	6.15	3.32	1.46	0.61	0.27	0.13	86.5	84.2
0	0.12	0.26	0.61	1.53	3.57	6.47	9.12	10.7	11.3	11.3	10.6	8.88	6.16	3.32	1.44	0.59	0.26	0.12	86.3	84.1
-5	0.11	0.23	0.52	1.27	3.03	5.68	8.29	10.00	10.7	10.7	9.89	8.08	5.43	2.85	1.21	0.50	0.22	0.11	78.8	76.6
-10	0.09	0.18	0.40	0.91	2.16	4.27	6.60	8.38	9.25	9.22	8.27	6.42	4.08	2.05	0.88	0.39	0.18	0.09	63.8	61.4
-15	0.07	0.14	0.28	0.58	1.27	2.60	4.31	5.81	6.65	6.61	5.72	4.19	2.50	1.22	0.56	0.27	0.13	0.07	43.0	40.2
-20	0.05	0.10	0.18	0.34	0.65	1.24	2.13	3.04	3.59	3.57	2.99	2.08	1.20	0.63	0.33	0.17	0.09	0.04	22.4	19.2
-25	0.03	0.06	0.11	0.18	0.32	0.52	0.80	1.12	1.31	1.31	1.10	0.79	0.51	0.31	0.18	0.10	0.06	0.03	8.84	3.53
-30	0.02	0.03	0.06	0.10	0.15	0.22	0.30	0.36	0.39	0.39	0.36	0.29	0.21	0.14	0.09	0.06	0.03	0.02	3.20	0.00
-35	0.01	0.02	0.03	0.05	0.06	0.08	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.06	0.04	0.03	0.02	0.01	1.14	0.00
-40	0.00	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.00	0.37	0.00
-45	0.00	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.00	0.37	0.00
HORIZONTAL (DEG)																				
Φ t	1.27	2.54	5.13	11.0	23.7	43.4	64.5	80.3	88.1	87.8	79.3	62.9	41.6	22.5	10.6	5.00	2.48	1.23	633	---
Φ a	0.00	0.00	0.00	6.12	20.1	40.3	61.6	77.6	85.5	85.2	76.7	60.0	38.5	18.8	5.33	0.00	0.00	0.00	---	576

one-half-peak spread: U:20.2,D:17.9 , L:19.6,R:19.0

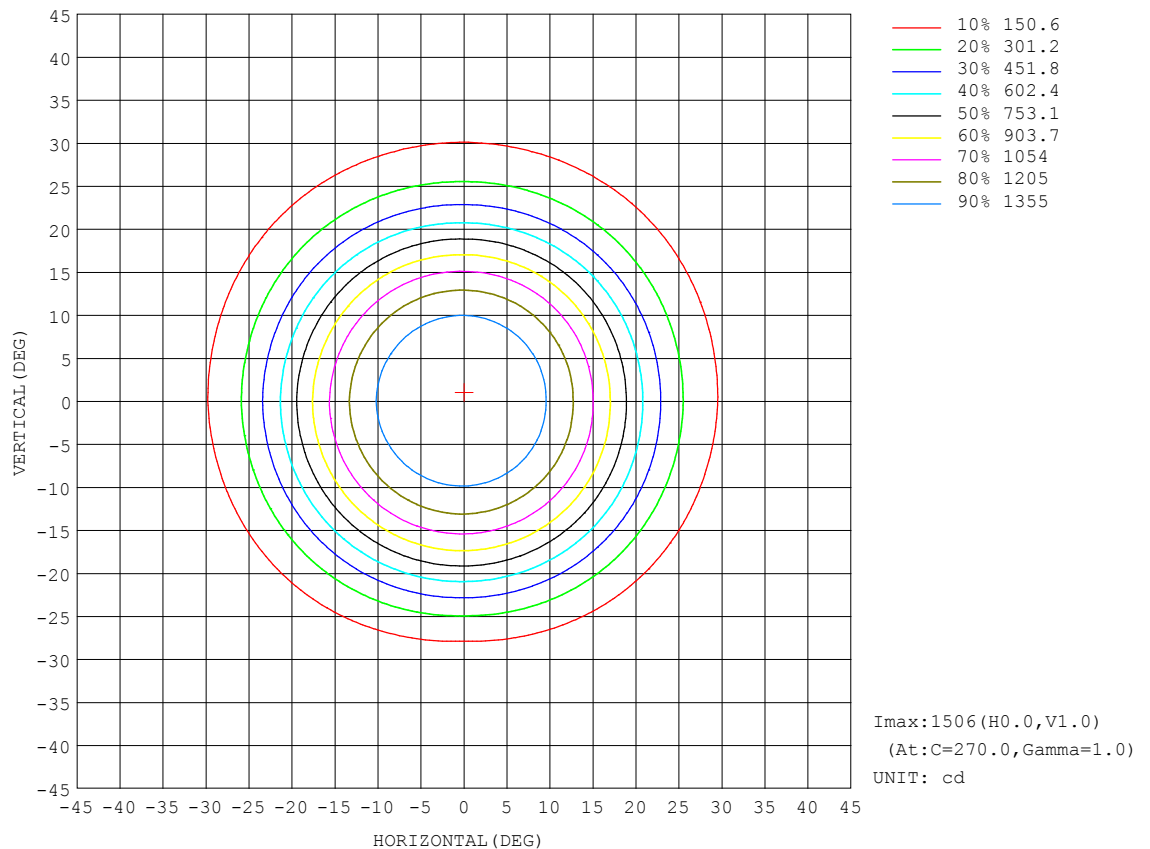
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:24 May 2022

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

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SPEC.:8W 3000K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:UP-LIGHT SHROUD

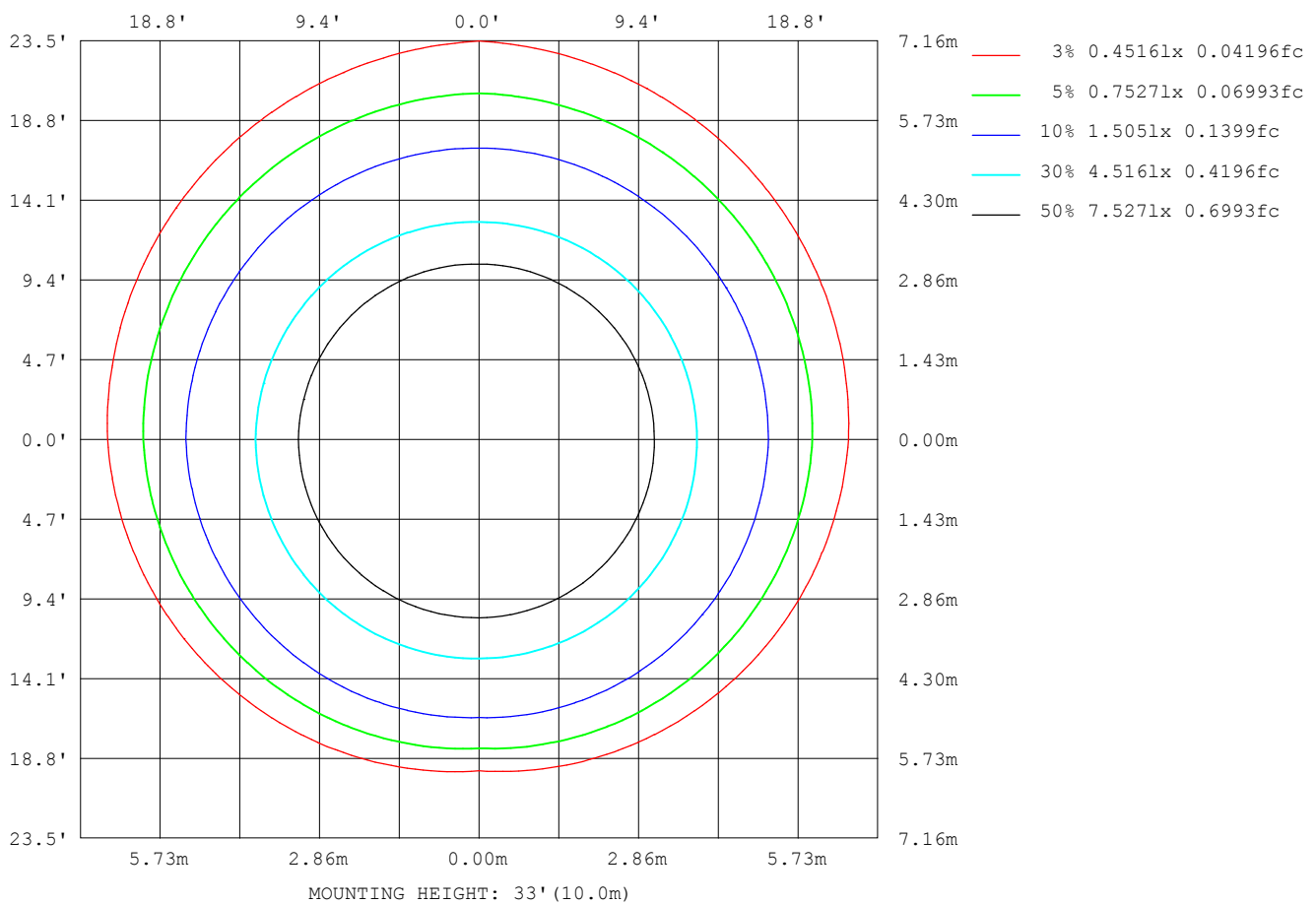


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Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:24 May 2022

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

ISOLUX DIAGRAM

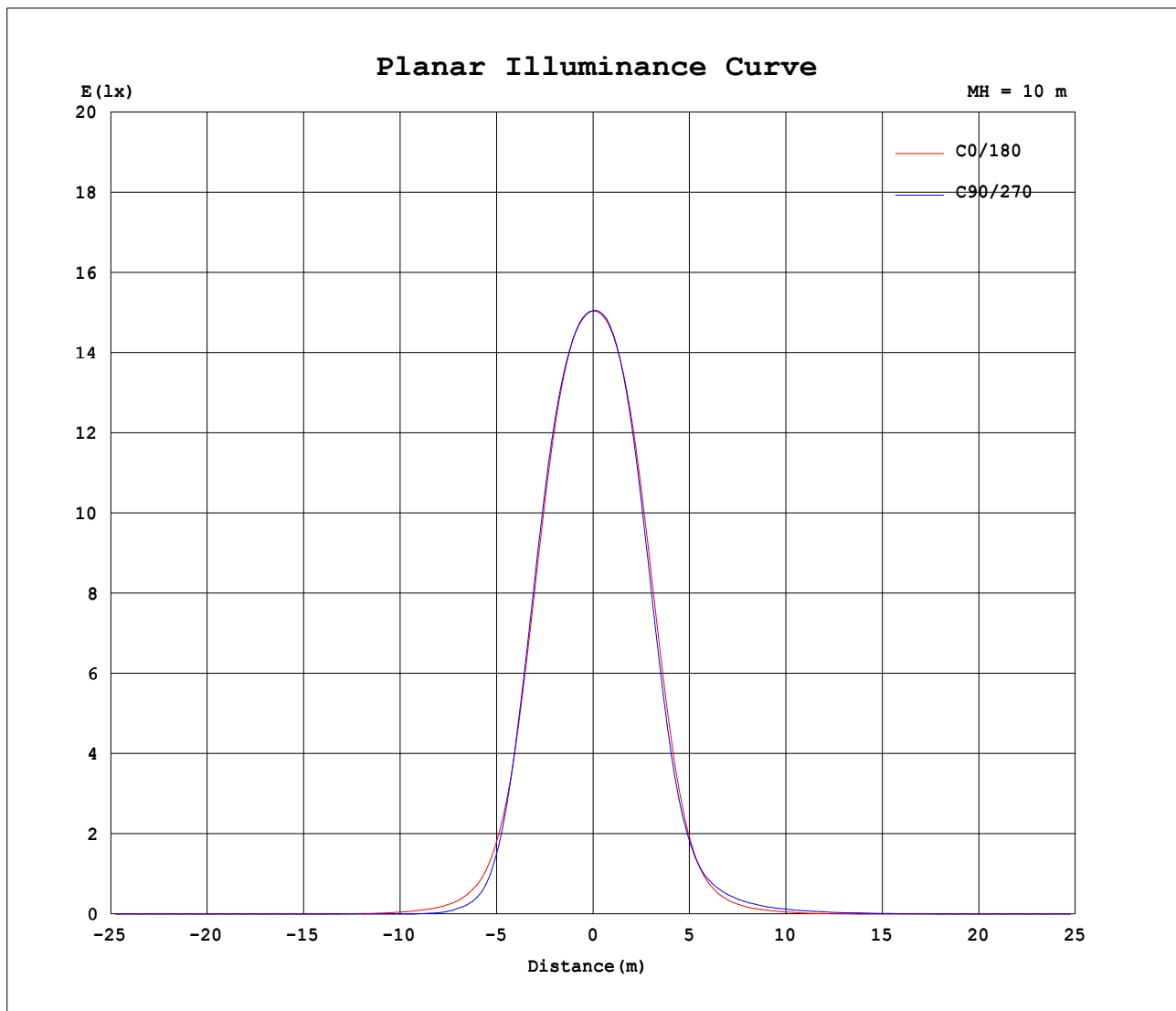
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Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:24 May 2022

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Remarks:

Planar Illuminance Curve

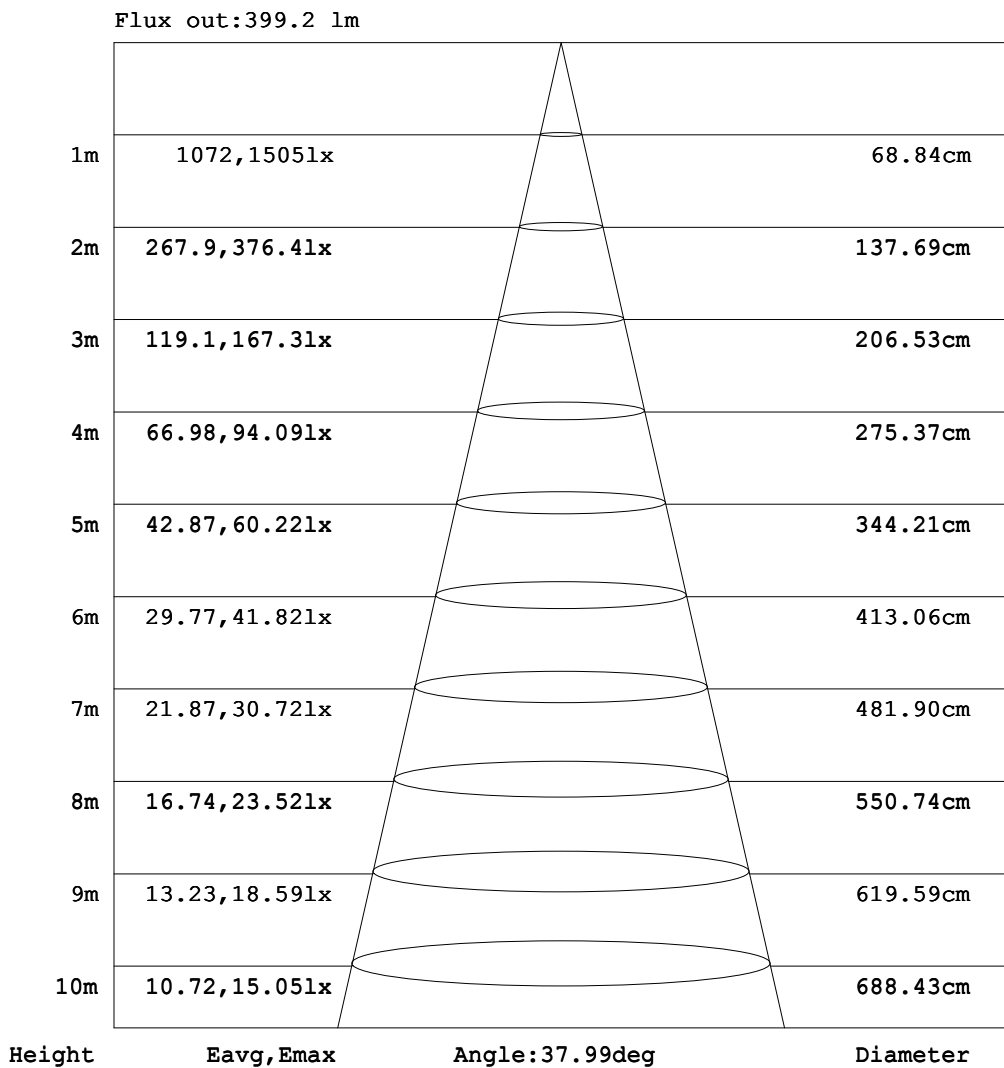


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Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

AAI Figure

Test:U:12.16V I:0.6572A P:7.273W PF:0.9103 Freq:59.99Hz Lamp Flux:649.115x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:8W 3000K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:UP-LIGHT SHROUD



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

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:24 May 2022

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.:8W 3000K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:UP-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	0.00	0.00	0.00	0.00	0.11	0.49	1.21	2.26	3.58	5.01	6.39	7.57	8.49	9.25	9.66
-170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.14	0.54	1.24	2.28	3.56	4.97	6.39	7.61	8.54	9.17
-160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.11	0.40	0.96	1.75	2.79	3.97	5.17	6.30	7.27	7.98
-150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.09	0.20	0.52	1.02	1.68	2.45	3.28	4.09	4.79	5.34
-140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.11	0.21	0.40	0.70	1.08	1.52	1.94	2.35	2.65	2.85
-130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.08	0.14	0.21	0.32	0.45	0.58	0.73	0.84	0.92
-120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.06	0.08	0.11	0.14	0.17	0.18
-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	0.00	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60	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
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.11	0.18	0.21	0.33	0.45	0.64	0.86	0.98	0.97	0.78	0.43
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.14	0.22	0.42	0.77	1.55	2.63	3.78	5.37	6.29	7.26	7.65	7.13
-30	0.00	0.00	0.00	0.00	0.01	0.13	0.24	0.50	1.17	2.80	5.34	9.93	15.6	23.9	37.4	53.4	70.9	85.0	86.1
-20	0.00	0.00	0.00	0.00	0.07	0.20	0.37	0.99	2.86	6.50	14.0	25.1	46.8	89.0	178	332	508	638	682
-10	0.00	0.00	0.00	0.00	0.11	0.26	0.58	1.68	4.91	12.3	24.3	47.7	103	244	524	868	1152	1307	1351
0	0.00	0.00	0.00	0.00	0.12	0.28	0.65	2.10	6.17	15.9	31.3	64.0	144	351	709	1100	1364	1481	1504
10	0.00	0.00	0.01	0.02	0.17	0.42	0.98	2.64	6.84	15.9	30.4	57.1	116	254	522	857	1142	1305	1355
20	0.00	0.01	0.02	0.04	0.17	0.45	1.01	2.48	5.88	12.0	23.5	39.8	67.6	117	205	346	503	620	658
30	0.00	0.01	0.03	0.06	0.12	0.39	0.87	1.92	4.12	8.12	14.2	24.0	36.4	52.7	74.1	99.2	125	145	152
40	0.00	0.01	0.04	0.07	0.12	0.30	0.62	1.24	2.43	4.49	7.76	12.1	17.6	24.6	32.0	39.6	46.5	52.0	55.3
50	0.00	0.01	0.04	0.07	0.12	0.19	0.37	0.69	1.23	2.04	3.33	5.16	7.52	10.3	13.2	16.0	18.7	20.9	22.4
60	0.00	0.02	0.04	0.07	0.11	0.16	0.23	0.32	0.52	0.79	1.18	1.71	2.33	3.09	3.94	4.82	5.63	6.32	6.82
70	0.00	0.02	0.04	0.06	0.10	0.14	0.19	0.24	0.29	0.36	0.44	0.52	0.64	0.77	0.92	1.08	1.23	1.35	1.44
80	0.00	0.02	0.03	0.05	0.08	0.10	0.13	0.16	0.19	0.23	0.27	0.31	0.35	0.39	0.44	0.48	0.52	0.56	0.59
90	0.00	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.21	0.22	0.24	0.25	0.27
100	0.00	0.01	0.03	0.04	0.05	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.09
110	0.00	0.01	0.02	0.03	0.03	0.03	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.01	0.02	0.02	0.02	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
130	0.00	0.01	0.01	0.01	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	0.01	0.01
140	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.24	0.46	0.67	0.85	0.97	1.00
150	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.42	0.87	1.42	2.03	2.60	3.06	3.36	3.45
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.57	1.21	2.08	3.08	4.09	5.00	5.71	6.14	6.26
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.39	1.01	1.96	3.15	4.46	5.76	6.84	7.64	8.14	8.26
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.49	1.21	2.26	3.58	5.01	6.39	7.57	8.49	9.25	9.64

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
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Operators:ADMIN
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
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MFR.: EVERFINE	SUR.:	Shielding Angle:UP-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	9.64	9.42	9.03	8.25	7.03	5.57	4.08	2.74	1.60	0.75	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-170	9.48	9.24	8.72	7.80	6.54	5.16	3.74	2.49	1.43	0.67	0.21	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
-160	8.28	7.86	7.15	6.22	5.14	3.97	2.86	1.84	1.02	0.47	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
-150	5.56	5.22	4.68	4.00	3.23	2.44	1.69	1.03	0.57	0.21	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
-140	2.78	2.59	2.28	1.90	1.47	1.07	0.70	0.39	0.19	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-130	0.89	0.81	0.70	0.58	0.42	0.27	0.17	0.08	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-120	0.17	0.14	0.11	0.08	0.06	0.04	0.01	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	0.00	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	0.01	0.02	0.03	0.03	0.04	0.03	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-60	0.05	0.09	0.12	0.13	0.15	0.16	0.16	0.14	0.12	0.09	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	
-50	0.42	0.75	0.94	0.96	0.85	0.65	0.47	0.36	0.28	0.23	0.17	0.11	0.05	0.00	0.00	0.00	0.00	0.00	
-40	7.05	7.48	7.04	6.04	5.08	3.60	2.54	1.53	0.79	0.47	0.32	0.22	0.12	0.04	0.00	0.00	0.00	0.00	
-30	84.4	70.0	52.7	36.7	23.3	15.1	9.48	5.09	2.73	1.18	0.56	0.34	0.21	0.08	0.00	0.00	0.00	0.00	
-20	631	496	321	172	86.6	45.7	24.4	13.5	6.19	2.80	1.02	0.46	0.29	0.13	0.01	0.00	0.00	0.00	
-10	1298	1131	838	495	231	99.4	46.6	23.5	11.7	4.74	1.68	0.65	0.35	0.17	0.03	0.00	0.00	0.00	
0	1473	1338	1056	665	324	138	62.1	30.4	15.1	5.97	2.09	0.74	0.38	0.18	0.04	0.00	0.00	0.00	
10	1296	1121	827	493	242	112	55.9	29.6	15.2	6.67	2.64	1.05	0.51	0.22	0.05	0.01	0.00	0.00	
20	613	491	334	199	114	66.6	39.1	22.9	11.7	5.82	2.52	1.09	0.54	0.23	0.06	0.02	0.01	0.00	
30	144	124	98.4	73.4	52.2	35.9	23.6	13.9	8.05	4.14	1.98	0.98	0.47	0.20	0.06	0.03	0.01	0.00	
40	51.9	46.3	39.4	31.8	24.4	17.4	12.1	7.74	4.52	2.48	1.33	0.70	0.35	0.16	0.07	0.04	0.01	0.00	
50	20.8	18.7	16.0	13.1	10.3	7.53	5.19	3.37	2.11	1.29	0.75	0.42	0.23	0.12	0.07	0.04	0.01	0.00	
60	6.32	5.64	4.83	3.96	3.13	2.37	1.75	1.23	0.84	0.56	0.37	0.25	0.16	0.11	0.07	0.04	0.02	0.00	
70	1.35	1.23	1.09	0.94	0.80	0.67	0.55	0.46	0.36	0.29	0.24	0.19	0.14	0.10	0.06	0.04	0.02	0.00	
80	0.56	0.52	0.48	0.44	0.39	0.35	0.31	0.27	0.23	0.19	0.16	0.13	0.10	0.08	0.05	0.03	0.02	0.00	
90	0.25	0.24	0.22	0.21	0.19	0.18	0.16	0.15	0.13	0.12	0.10	0.09	0.07	0.06	0.04	0.03	0.01	0.00	
100	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.05	0.04	0.03	0.01	0.00	
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.03	0.03	0.03	0.02	0.01	0.00	
120	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	0.02	0.02	0.02	0.01	0.00	
130	0.05	0.09	0.13	0.12	0.10	0.06	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	
140	1.10	1.09	1.01	0.85	0.64	0.45	0.32	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	
150	3.58	3.49	3.19	2.74	2.20	1.63	1.10	0.64	0.38	0.12	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	
160	6.44	6.30	5.85	5.14	4.25	3.25	2.31	1.45	0.78	0.36	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
170	8.45	8.34	7.95	7.16	6.03	4.75	3.42	2.25	1.28	0.59	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
180	9.64	9.42	9.03	8.25	7.03	5.57	4.08	2.74	1.60	0.75	0.26	0.00	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:24 May 2022

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: