

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

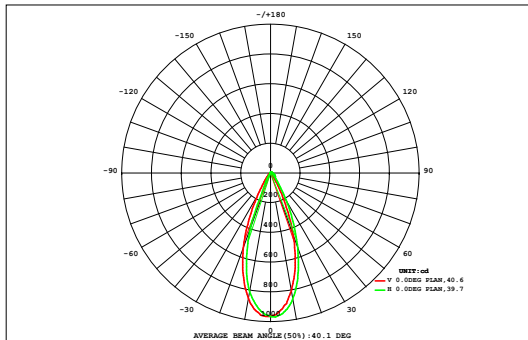
Maximum Intensity		2009.0 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	62.2V x 65.0H
	At 50% of Imax	39.7V x 40.6H
	At 90% of Imax	17.0V x 17.1H
Beam Flux	Total	1000.3 lumens per klm.
	To 10% of Imax	861.8 lumens per klm.
	To 50% of Imax	555.5 lumens per klm.
	To 90% of Imax	127.3 lumens per klm.
	Upward LOR	1.2 %
	Downward LOR	98.8 %
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:2023-08-18

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:12.19V I:1.095A P:9.634W PF:0.7217 Freq:59.98Hz Lamp Flux:482.015x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Copper Spotlight RGBWW	WEIGHT:
SPEC.:10W 5700K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:UPLIGHT SHROUD



DATA OF LAMP		Eff:50.04lm/W	
MODEL	D9B1-10W-A	Imax (cd)	968.4
NOMINAL POWER (W)	10	AVAILABILITY (%)	86.0
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	414.6
NOMINAL FLUX (lm)	482.015	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	482.0
TEST VOLTAGE (V)	12	θ @50% (H,V)	41,40DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.08	0.11	0.14	0.18	0.23	0.28	0.33	0.37	0.40	0.40	0.36	0.31	0.25	0.20	0.16	0.12	0.09	0.07	4.06	0.00
45	0.08	0.11	0.14	0.18	0.23	0.28	0.33	0.37	0.40	0.40	0.36	0.31	0.25	0.20	0.16	0.12	0.09	0.07	4.06	0.00
40	0.09	0.13	0.17	0.24	0.31	0.40	0.50	0.58	0.64	0.63	0.55	0.46	0.36	0.27	0.20	0.15	0.10	0.07	5.86	0.34
35	0.10	0.15	0.22	0.32	0.46	0.64	0.84	1.03	1.16	1.14	0.98	0.77	0.56	0.39	0.27	0.18	0.12	0.08	9.43	5.65
30	0.12	0.19	0.29	0.46	0.72	1.08	1.51	1.89	2.11	2.08	1.79	1.38	0.94	0.59	0.37	0.23	0.14	0.09	16.0	13.4
25	0.14	0.23	0.39	0.66	1.14	1.80	2.49	3.03	3.33	3.29	2.89	2.28	1.57	0.93	0.51	0.29	0.17	0.10	25.2	23.1
20	0.16	0.28	0.50	0.95	1.71	2.66	3.58	4.30	4.70	4.65	4.14	3.31	2.33	1.40	0.72	0.36	0.19	0.11	36.1	34.2
15	0.18	0.32	0.63	1.27	2.30	3.50	4.62	5.48	5.95	5.89	5.30	4.31	3.10	1.89	0.95	0.43	0.21	0.11	46.4	44.9
10	0.19	0.36	0.74	1.55	2.78	4.15	5.39	6.34	6.85	6.78	6.13	5.06	3.69	2.28	1.14	0.48	0.23	0.12	54.2	52.8
5	0.19	0.38	0.80	1.71	3.05	4.50	5.80	6.78	7.26	7.17	6.52	5.39	3.96	2.46	1.22	0.50	0.22	0.11	58.0	56.6
0	0.18	0.36	0.77	1.63	2.95	4.43	5.74	6.72	7.17	7.08	6.45	5.33	3.90	2.36	1.14	0.46	0.20	0.10	57.0	55.6
-5	0.16	0.32	0.65	1.36	2.47	3.92	5.19	6.14	6.58	6.51	5.93	4.85	3.46	1.97	0.94	0.39	0.18	0.09	51.1	49.7
-10	0.14	0.26	0.51	1.01	1.80	3.01	4.22	5.08	5.50	5.44	4.90	3.92	2.61	1.39	0.68	0.30	0.15	0.08	41.0	39.5
-15	0.11	0.19	0.36	0.67	1.17	1.84	2.80	3.62	3.96	3.90	3.45	2.53	1.51	0.86	0.44	0.22	0.11	0.06	27.8	26.0
-20	0.08	0.14	0.24	0.42	0.69	1.02	1.35	1.69	1.88	1.83	1.55	1.14	0.79	0.49	0.27	0.14	0.08	0.05	13.8	11.4
-25	0.06	0.10	0.15	0.24	0.38	0.54	0.68	0.73	0.67	0.64	0.63	0.54	0.39	0.25	0.15	0.08	0.05	0.03	6.31	1.38
-30	0.05	0.07	0.09	0.13	0.19	0.26	0.32	0.34	0.32	0.30	0.29	0.24	0.18	0.12	0.07	0.05	0.04	0.02	3.08	0.00
-35	0.03	0.05	0.06	0.07	0.09	0.11	0.12	0.13	0.11	0.10	0.10	0.09	0.07	0.05	0.04	0.03	0.02	0.01	1.29	0.00
-40	0.02	0.03	0.04	0.05	0.05	0.05	0.04	0.03	0.02	0.01	0.02	0.02	0.03	0.03	0.02	0.02	0.01	0.01	0.50	0.00
-45	0.02	0.03	0.04	0.05	0.05	0.05	0.04	0.03	0.02	0.01	0.02	0.02	0.03	0.03	0.02	0.02	0.01	0.01	0.50	0.00
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45			
Φ t	2.09	3.65	6.77	12.9	22.5	34.2	45.5	54.3	58.6	57.8	52.0	41.9	29.7	17.9	9.29	4.44	2.32	1.31	457	---
Φ a	0.00	0.00	2.84	10.2	20.3	32.1	43.6	52.5	56.9	56.1	50.1	40.0	27.6	15.6	6.30	0.35	0.00	0.00	---	415

one-half-peak spread: U:20.4,D:19.5 , L:20.5,R:20.3

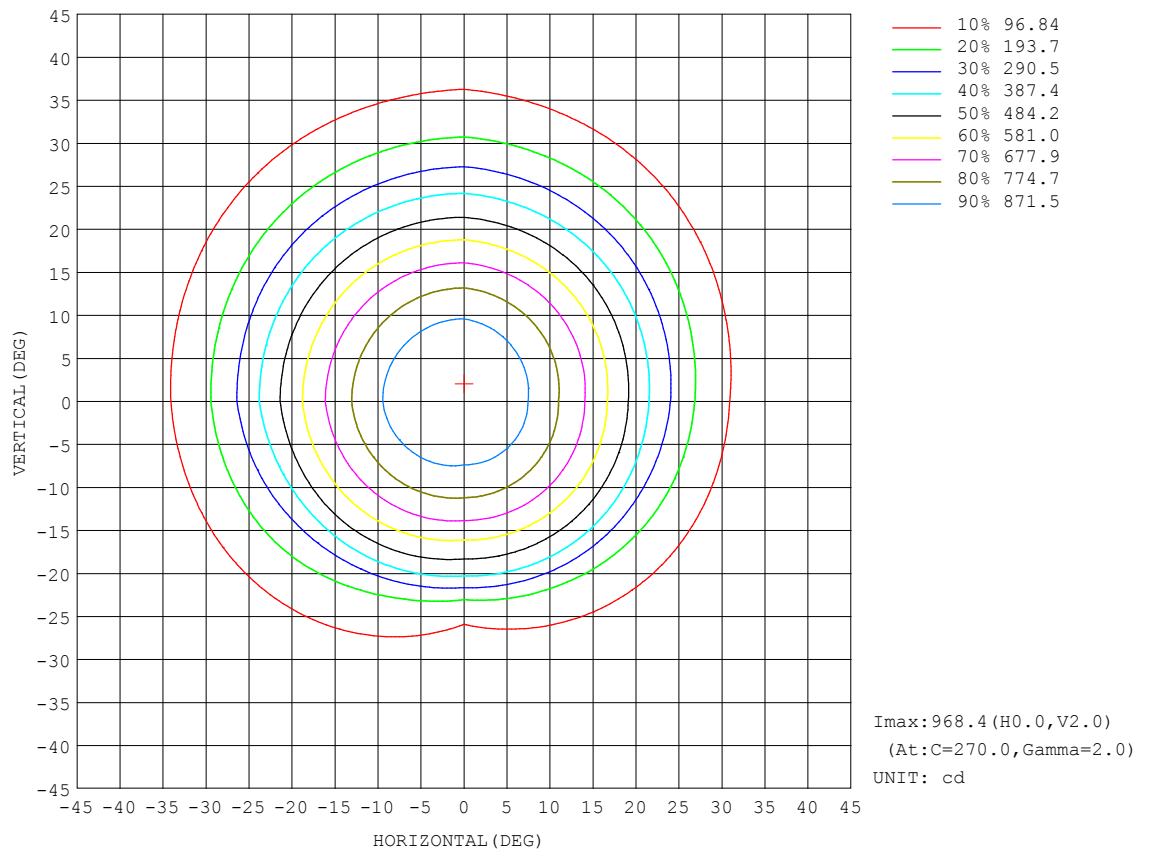
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-08-18

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:12.19V I:1.095A P:9.634W PF:0.7217 Freq:59.98Hz Lamp Flux:482.015x1 lm		
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SPEC.:10W 5700K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:UPLIGHT SHROUD

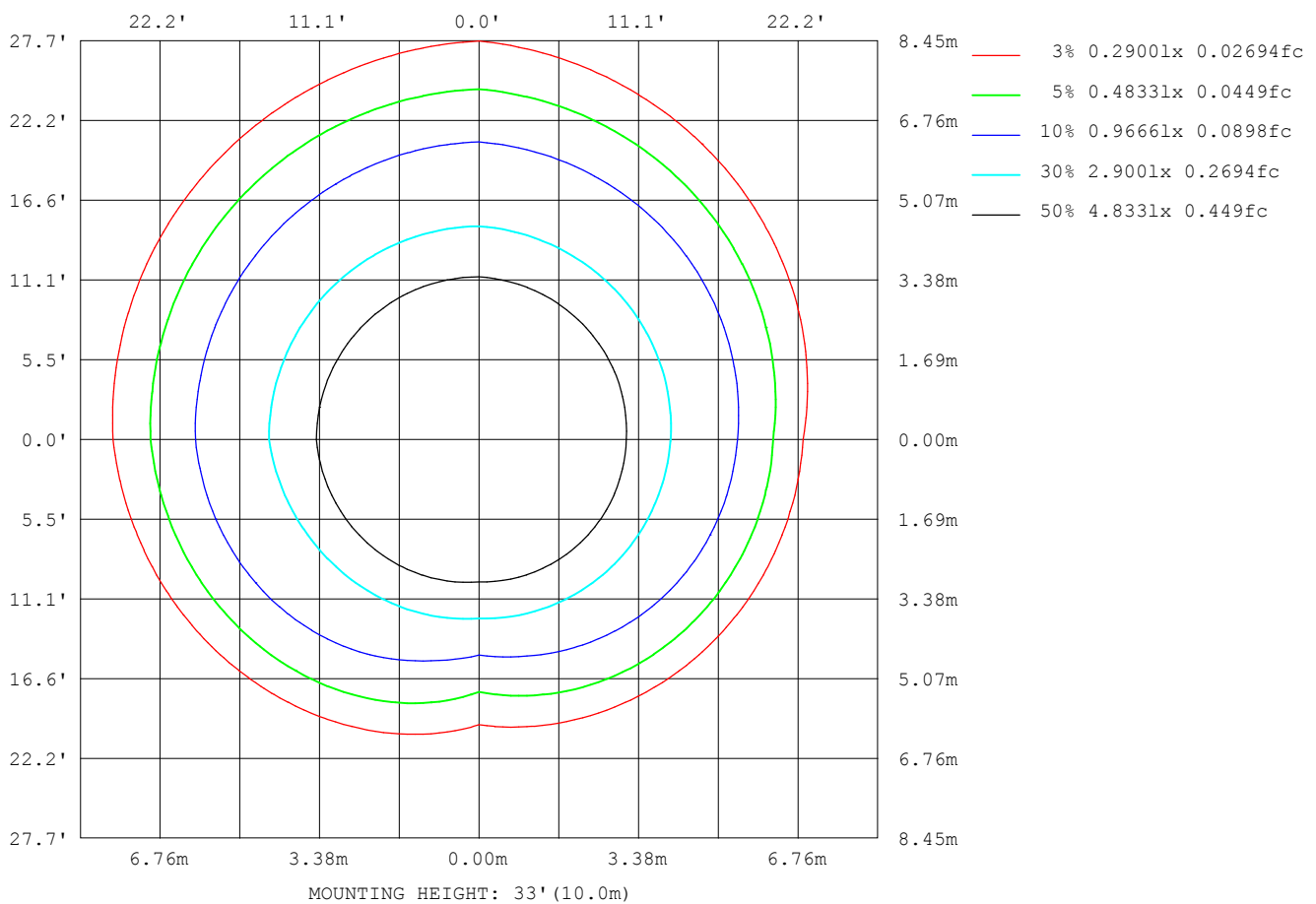


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H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-08-18

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

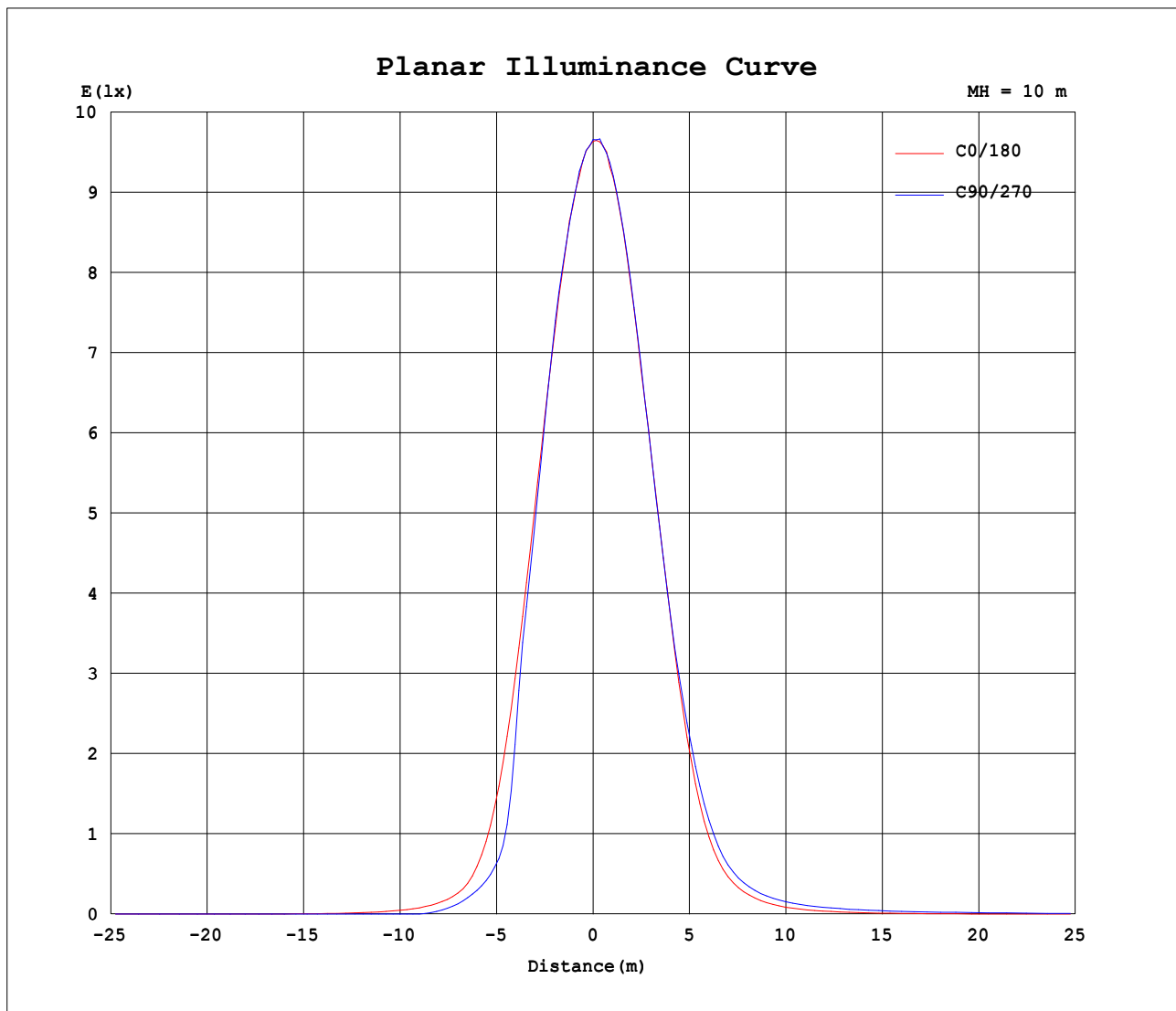
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Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-08-18

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V(B) Interval: 0.5DEG
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Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

Planar Illuminance Curve

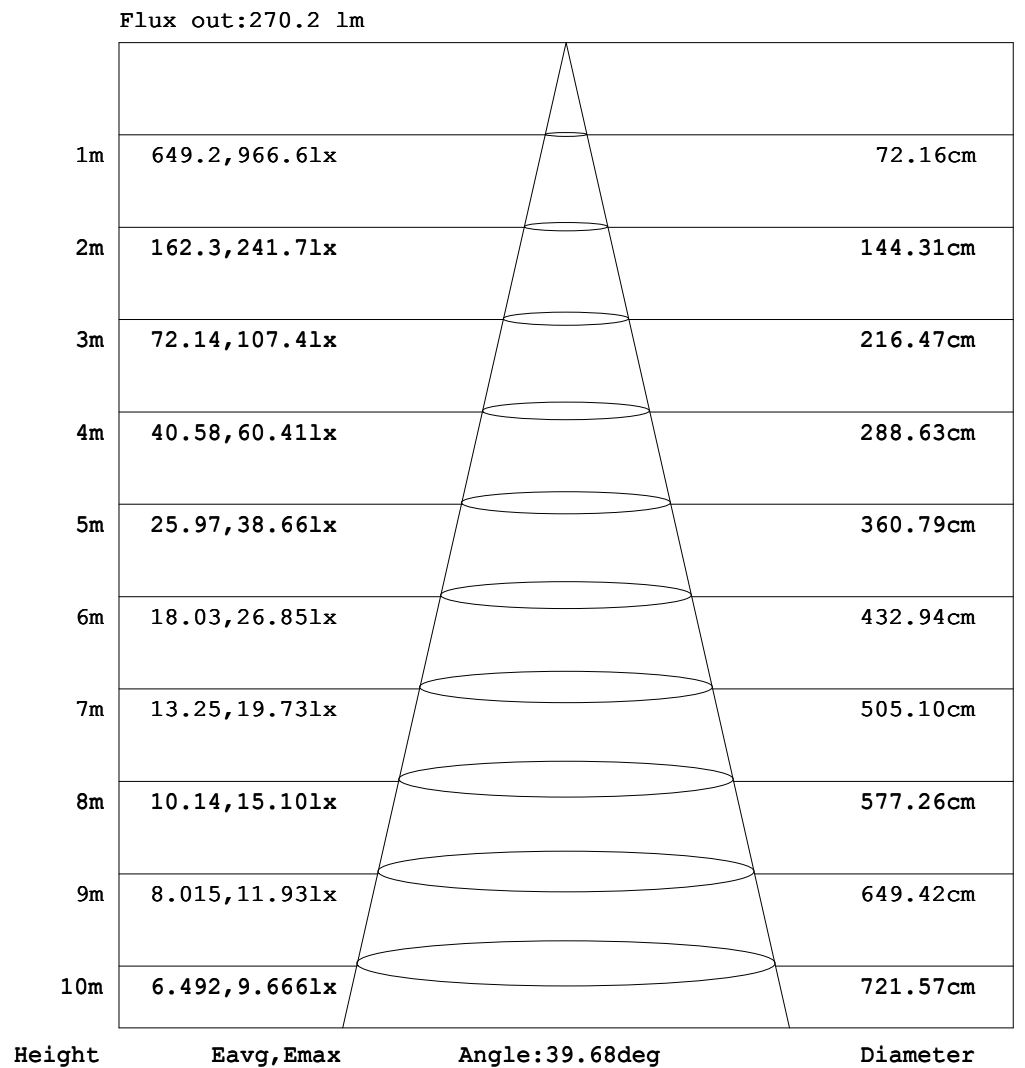


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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
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Remarks:

AAI Figure

Test:U:12.19V I:1.095A P:9.634W PF:0.7217 Freq:59.98Hz Lamp Flux:482.015x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Copper Spotlight RGBWW	WEIGHT:
SPEC.:10W 5700K 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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Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-08-18

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:12.19V I:1.095A P:9.634W PF:0.7217 Freq:59.98Hz Lamp Flux:482.015x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Copper Spotlight RGBWW	WEIGHT:
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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	0.00	0.05	0.35	0.84	1.48	2.23	2.95	3.58	4.11	4.54	4.96	5.25
-170	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.10	0.42	0.92	1.58	2.36	3.14	3.86	4.48	4.96	5.31	5.65
-160	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.07	0.14	0.36	0.77	1.34	2.01	2.75	3.47	4.10	4.66	5.11	5.46
-150	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.07	0.14	0.24	0.50	0.89	1.37	1.91	2.48	3.01	3.48	3.87	4.14
-140	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.09	0.17	0.29	0.45	0.71	1.02	1.35	1.69	1.99	2.24	2.42
-130	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.09	0.14	0.21	0.32	0.44	0.55	0.70	0.84	0.96	1.04
-120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.07	0.11	0.14	0.18	0.22	0.26	0.30	0.33
-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	0.01	0.02	0.03	0.04	0.04	0.05
-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	0.01	0.02	0.03	0.03	0.02	0.02	0.01	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.13	0.17	0.23	0.27	0.27	0.28	0.27	0.25	0.21	0.15	0.08	0.00
-60	0.00	0.00	0.00	0.00	0.11	0.21	0.36	0.46	0.64	0.82	0.98	1.10	1.15	1.13	1.04	0.86	0.62	0.32	0.00
-50	0.00	0.00	0.00	0.11	0.25	0.48	0.78	1.20	1.67	2.12	2.56	2.92	3.20	3.27	3.10	2.66	1.96	1.04	0.00
-40	0.00	0.00	0.00	0.19	0.50	0.89	1.54	2.36	3.32	4.42	5.65	6.89	7.98	8.81	9.14	8.80	8.19	6.99	4.17
-30	0.00	0.00	0.06	0.29	0.69	1.45	2.53	3.93	5.81	8.22	11.3	15.3	21.1	31.4	44.4	57.5	65.6	64.8	54.7
-20	0.00	0.00	0.11	0.43	0.98	2.04	3.59	5.79	9.02	13.6	21.0	34.6	59.5	101	157	218	308	393	408
-10	0.00	0.00	0.13	0.53	1.22	2.55	4.54	7.63	12.4	20.0	34.5	63.9	124	233	392	571	704	792	812
0	0.00	0.00	0.14	0.57	1.34	2.85	5.12	8.80	14.6	24.6	44.7	85.2	178	342	535	714	858	942	964
10	0.00	0.02	0.21	0.76	1.77	3.56	5.98	9.62	15.3	24.5	42.1	76.1	149	283	450	611	743	830	862
20	0.00	0.03	0.24	0.86	1.97	3.91	6.31	9.45	14.1	21.2	32.7	52.8	88.3	153	251	359	451	513	535
30	0.00	0.04	0.22	0.82	1.92	3.86	6.19	8.81	12.2	16.9	23.5	32.9	47.0	66.9	95.0	131	169	198	211
40	0.00	0.05	0.18	0.74	1.73	3.25	5.55	7.95	10.4	13.4	17.0	21.6	27.0	33.5	41.1	49.1	56.5	62.6	65.9
50	0.00	0.05	0.17	0.56	1.31	2.44	4.11	6.45	8.74	11.0	13.2	15.5	18.2	20.9	23.7	26.5	29.1	31.2	32.7
60	0.00	0.05	0.15	0.34	0.83	1.60	2.64	3.95	5.66	7.84	10.0	12.0	14.0	15.8	17.4	18.9	20.3	21.7	22.9
70	0.00	0.05	0.13	0.25	0.44	0.74	1.27	1.97	2.77	3.73	4.78	5.94	7.24	8.57	9.85	11.1	12.3	13.4	14.2
80	0.00	0.04	0.10	0.17	0.27	0.38	0.52	0.69	0.88	1.10	1.35	1.62	1.92	2.23	2.62	2.99	3.32	3.61	3.85
90	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36	0.40	0.44	0.49	0.53	0.57	0.61	0.65	0.69	0.73
100	0.00	0.04	0.07	0.09	0.11	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15
110	0.00	0.03	0.05	0.06	0.06	0.06	0.05	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.03	0.04	0.04	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
130	0.00	0.02	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	0.00	0.00	0.00	0.00
140	0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.11	0.21	0.33	0.40	0.44
150	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.23	0.52	0.86	1.19	1.50	1.77	1.92	1.95
160	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.35	0.77	1.28	1.87	2.40	2.85	3.20	3.37	3.41
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.26	0.67	1.25	1.95	2.65	3.26	3.76	4.14	4.32	4.38
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.35	0.84	1.48	2.23	2.95	3.58	4.11	4.54	4.96	5.24

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
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Operators:ADMIN
Test Date:2023-08-18

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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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	5.42	5.44	5.34	5.04	4.53	3.81	2.94	2.10	1.34	0.75	0.30	0.06	0.00	0.00	0.00	0.00	0.00	0.00	
-170	5.61	5.54	5.33	4.95	4.36	3.62	2.79	1.99	1.25	0.69	0.30	0.05	0.01	0.00	0.00	0.00	0.00	0.00	
-160	5.35	5.12	4.77	4.29	3.67	2.97	2.25	1.56	0.98	0.53	0.21	0.03	0.01	0.00	0.00	0.00	0.00	0.00	
-150	4.04	3.82	3.48	3.06	2.55	2.02	1.49	1.01	0.64	0.32	0.10	0.03	0.01	0.00	0.00	0.00	0.00	0.00	
-140	2.35	2.19	1.98	1.70	1.38	1.08	0.77	0.52	0.28	0.11	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	
-130	1.01	0.93	0.83	0.69	0.57	0.42	0.28	0.16	0.09	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
-120	0.30	0.27	0.22	0.18	0.14	0.11	0.07	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-110	0.04	0.04	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	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	0.02	0.03	0.05	0.05	0.05	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-60	0.10	0.19	0.26	0.30	0.31	0.30	0.28	0.24	0.19	0.14	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-50	0.52	0.97	1.29	1.43	1.43	1.28	1.06	0.81	0.58	0.42	0.29	0.17	0.04	0.00	0.00	0.00	0.00	0.00	
-40	5.34	5.23	5.01	5.08	4.82	4.21	3.38	2.50	1.69	1.04	0.62	0.38	0.19	0.02	0.00	0.00	0.00	0.00	
-30	58.0	53.5	42.8	30.4	19.8	12.0	8.44	5.94	3.91	2.33	1.26	0.66	0.35	0.11	0.00	0.00	0.00	0.00	
-20	378	280	180	118	68.0	36.5	20.0	11.7	7.21	4.17	2.20	1.03	0.51	0.21	0.00	0.00	0.00	0.00	
-10	775	672	519	326	170	79.0	37.0	19.4	11.0	6.14	3.14	1.43	0.65	0.27	0.01	0.00	0.00	0.00	
0	916	806	643	448	254	114	47.9	24.9	13.6	7.41	3.72	1.66	0.72	0.31	0.01	0.00	0.00	0.00	
10	813	711	558	384	220	103	49.2	26.9	15.5	9.05	5.13	2.86	1.66	0.83	0.24	0.07	0.02	0.00	
20	499	423	322	212	120	65.3	38.1	23.4	14.7	9.27	5.86	3.75	2.38	1.20	0.43	0.13	0.03	0.00	
30	192	157	116	81.0	55.3	37.9	26.1	18.1	12.6	8.75	6.14	4.32	2.76	1.34	0.53	0.16	0.04	0.00	
40	60.9	53.5	45.3	37.0	29.5	23.2	18.1	13.9	10.6	8.17	6.21	4.39	2.55	1.25	0.55	0.18	0.05	0.00	
50	30.6	28.1	25.1	22.0	19.0	16.2	13.7	11.5	9.49	7.50	5.54	3.49	2.00	1.06	0.45	0.17	0.05	0.00	
60	21.5	19.9	18.3	16.7	15.0	13.1	11.2	9.29	7.21	5.15	3.55	2.28	1.39	0.72	0.34	0.15	0.05	0.00	
70	13.3	12.2	11.0	9.65	8.36	7.01	5.70	4.52	3.49	2.59	1.84	1.18	0.71	0.44	0.25	0.13	0.05	0.00	
80	3.60	3.31	2.96	2.59	2.21	1.90	1.61	1.35	1.10	0.88	0.69	0.52	0.38	0.27	0.17	0.10	0.04	0.00	
90	0.69	0.65	0.61	0.57	0.53	0.49	0.44	0.40	0.36	0.32	0.28	0.24	0.20	0.16	0.12	0.08	0.04	0.00	
100	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.11	0.09	0.07	0.04	0.00	
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.05	0.06	0.06	0.06	0.05	0.03	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	0.02	0.03	0.04	0.04	0.03	0.00	
130	0.05	0.09	0.13	0.13	0.13	0.10	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.02	0.00	
140	0.55	0.61	0.62	0.56	0.48	0.42	0.33	0.24	0.11	0.02	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.00	
150	2.09	2.10	1.97	1.77	1.50	1.17	0.83	0.59	0.40	0.18	0.04	0.00	0.00	0.00	0.00	0.01	0.01	0.00	
160	3.61	3.66	3.52	3.22	2.79	2.24	1.68	1.15	0.72	0.39	0.14	0.00	0.00	0.00	0.00	0.01	0.01	0.00	
170	4.62	4.72	4.62	4.35	3.86	3.21	2.46	1.74	1.08	0.60	0.25	0.03	0.00	0.00	0.00	0.00	0.00	0.00	
180	5.42	5.44	5.34	5.04	4.53	3.81	2.94	2.10	1.34	0.75	0.30	0.06	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:2023-08-18

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: