

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	795.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	101.7V x 114.2H
	At 50% of Imax	52.0V x 77.3H
	At 90% of Imax	22.2V x 37.5H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	924.4 lumens per klm.
	To 50% of Imax	606.2 lumens per klm.
	To 90% of Imax	168.3 lumens per klm.

Upward LOR	1.2 %
Downward LOR	98.8 %

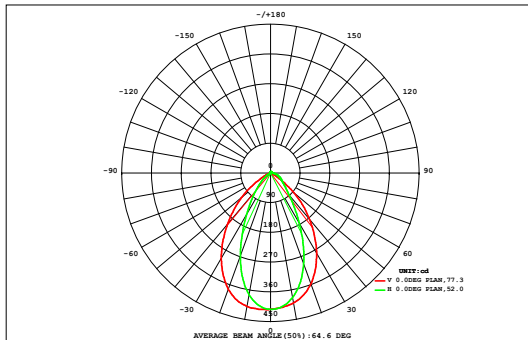
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-06-17

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:1.088A P:9.555W PF:0.7204 Freq:59.99Hz Lamp Flux:520.676x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Copper Spotlight CW	WEIGHT:
SPEC.:10W 5700K 60°LENS	DIM.:	SERIAL No.:2
MFR.: EVERFINE	SUR.:	Shielding Angle:FLOOD-LIGHT SHROUD



DATA OF LAMP		Eff:54.50lm/W	
MODEL	D7B1-10W-A	Imax (cd)	414.1
NOMINAL POWER (W)	10	AVAILABILITY (%)	92.4
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	481.3
NOMINAL FLUX (lm)	520.676	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	520.7
TEST VOLTAGE (V)	12	θ @50% (H,V)	77,52DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.17	0.14	0.11	0.08	0.05	0.02	0.01	0.00	0.00	1.17	0.00
90	0.00	0.01	0.03	0.07	0.13	0.22	0.31	0.41	0.49	0.49	0.40	0.31	0.21	0.13	0.07	0.03	0.01	0.00	3.31	0.00
80	0.00	0.01	0.04	0.11	0.23	0.40	0.58	0.74	0.84	0.82	0.69	0.52	0.35	0.21	0.10	0.04	0.01	0.00	5.71	0.00
70	0.00	0.01	0.06	0.18	0.42	0.74	1.08	1.30	1.34	1.30	1.18	0.92	0.60	0.32	0.14	0.05	0.01	0.00	9.65	3.83
60	0.00	0.02	0.08	0.31	0.76	1.45	2.05	2.33	2.24	2.19	2.19	1.82	1.16	0.56	0.20	0.06	0.01	0.00	17.4	15.3
50	0.00	0.02	0.12	0.49	1.37	2.48	3.45	4.08	4.11	4.05	3.92	3.22	2.19	1.03	0.32	0.07	0.01	0.00	30.9	29.7
40	0.00	0.02	0.16	0.75	2.08	3.69	5.36	6.74	7.28	7.20	6.54	5.08	3.39	1.72	0.50	0.08	0.01	0.00	50.6	49.7
30	0.00	0.02	0.20	1.03	2.75	4.95	7.38	9.47	10.5	10.4	9.21	7.03	4.58	2.38	0.69	0.10	0.01	0.00	70.6	69.9
20	0.00	0.02	0.22	1.22	3.25	5.95	8.87	11.2	12.2	12.1	10.8	8.43	5.51	2.86	0.84	0.10	0.00	0.00	83.5	82.9
10	0.00	0.01	0.21	1.20	3.22	5.90	8.78	11.1	12.1	12.0	10.7	8.34	5.46	2.83	0.82	0.09	0.00	0.00	82.7	82.1
0	0.00	0.01	0.17	0.97	2.67	4.82	7.13	9.09	10.0	9.92	8.83	6.78	4.46	2.31	0.64	0.07	0.00	0.00	67.9	67.2
-10	0.00	0.01	0.12	0.66	1.95	3.51	5.05	6.21	6.52	6.44	6.01	4.77	3.21	1.59	0.41	0.04	0.00	0.00	46.5	45.6
-20	0.00	0.01	0.07	0.37	1.18	2.23	3.12	3.61	3.47	3.41	3.46	2.90	1.94	0.84	0.20	0.01	0.00	0.00	26.8	25.6
-30	0.00	0.00	0.03	0.17	0.53	1.12	1.62	1.81	1.63	1.58	1.68	1.39	0.83	0.32	0.06	0.00	0.00	0.00	12.8	9.56
-40	0.00	0.00	0.01	0.05	0.17	0.36	0.56	0.66	0.59	0.54	0.54	0.40	0.21	0.07	0.01	0.00	0.00	0.00	4.17	0.00
-50	0.00	0.00	0.00	0.01	0.03	0.07	0.10	0.11	0.08	0.06	0.06	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.58	0.00
-60	0.00	0.00	0.00	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	0.04	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	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	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	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	0.01	0.16	1.55	7.64	20.8	38.0	55.6	68.9	73.5	72.6	66.4	52.1	34.2	17.2	5.02	0.75	0.09	0.01	515	---
Φ a	0.00	0.00	0.00	4.88	18.6	35.7	53.2	66.4	70.7	69.7	63.7	49.6	31.8	14.9	2.13	0.00	0.00	0.00	---	481

one-half-peak spread: U:25.4,D:26.9 , L:31.9,R:42.9

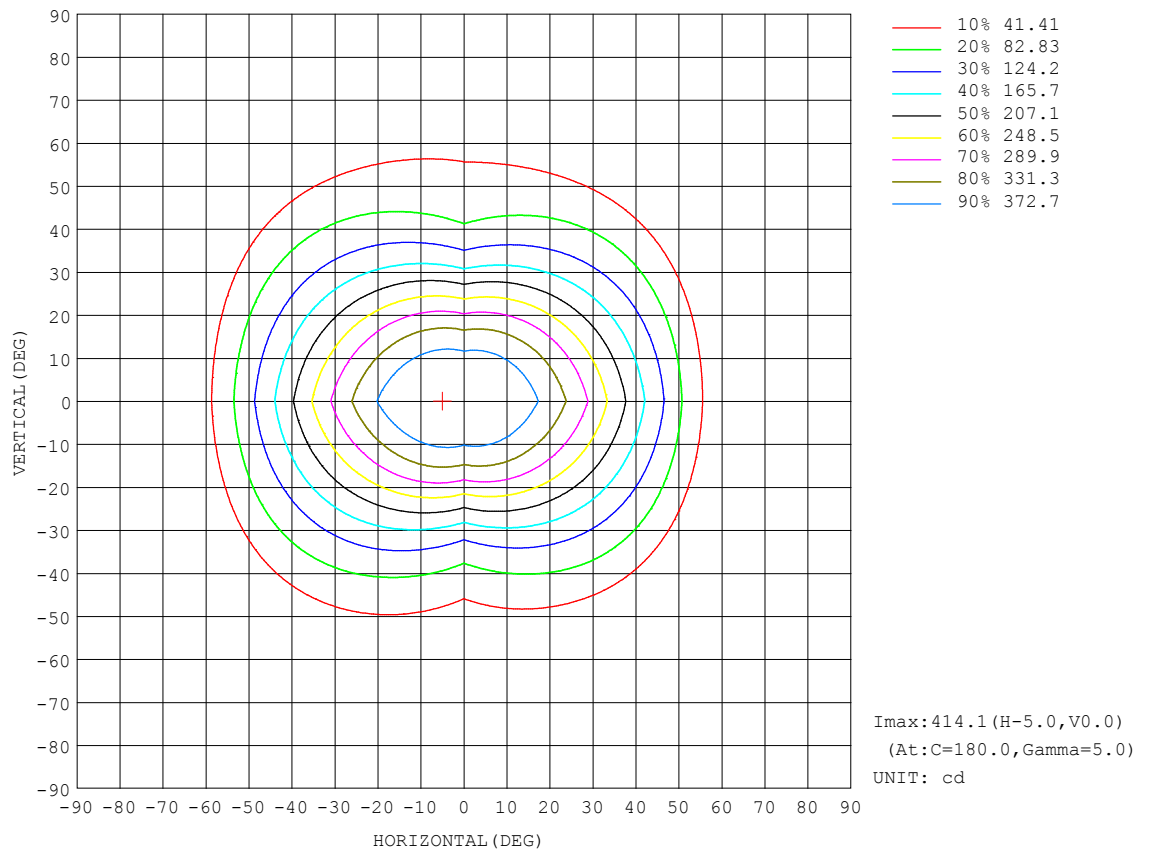
NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-06-17

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:1.088A P:9.555W PF:0.7204 Freq:59.99Hz Lamp Flux:520.676x1 lm		
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SPEC.:10W 5700K 60°LENS	DIM.:	SERIAL No.:2
MFR.: EVERFINE	SUR.:	Shielding Angle:FLOOD-LIGHT SHROUD

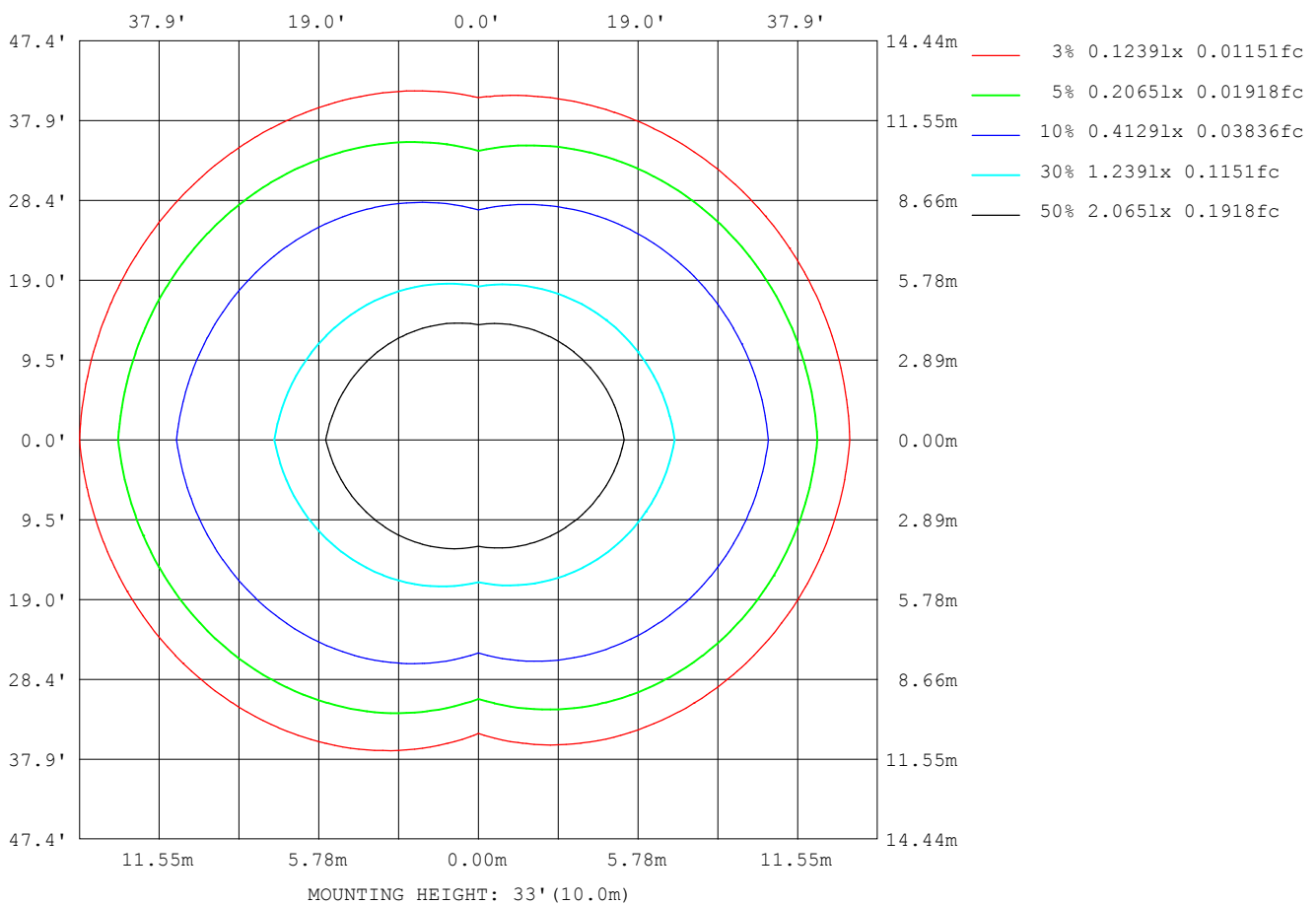


H(β) Range:-90 - 90DEG
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Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-06-17

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

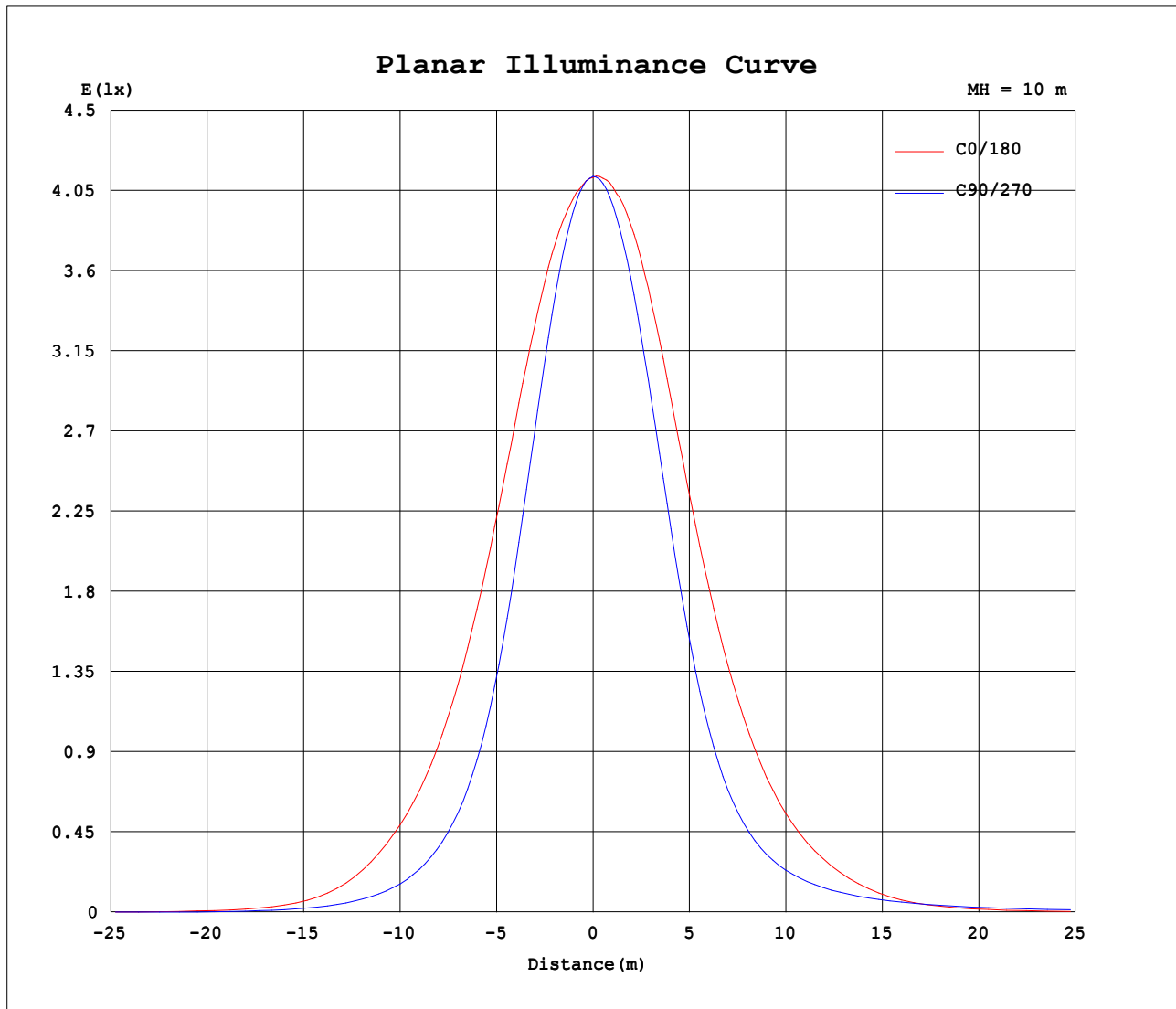
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MFR.: EVERFINE	SUR.:	Shielding Angle:FLOOD-LIGHT SHROUD



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H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-06-17

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

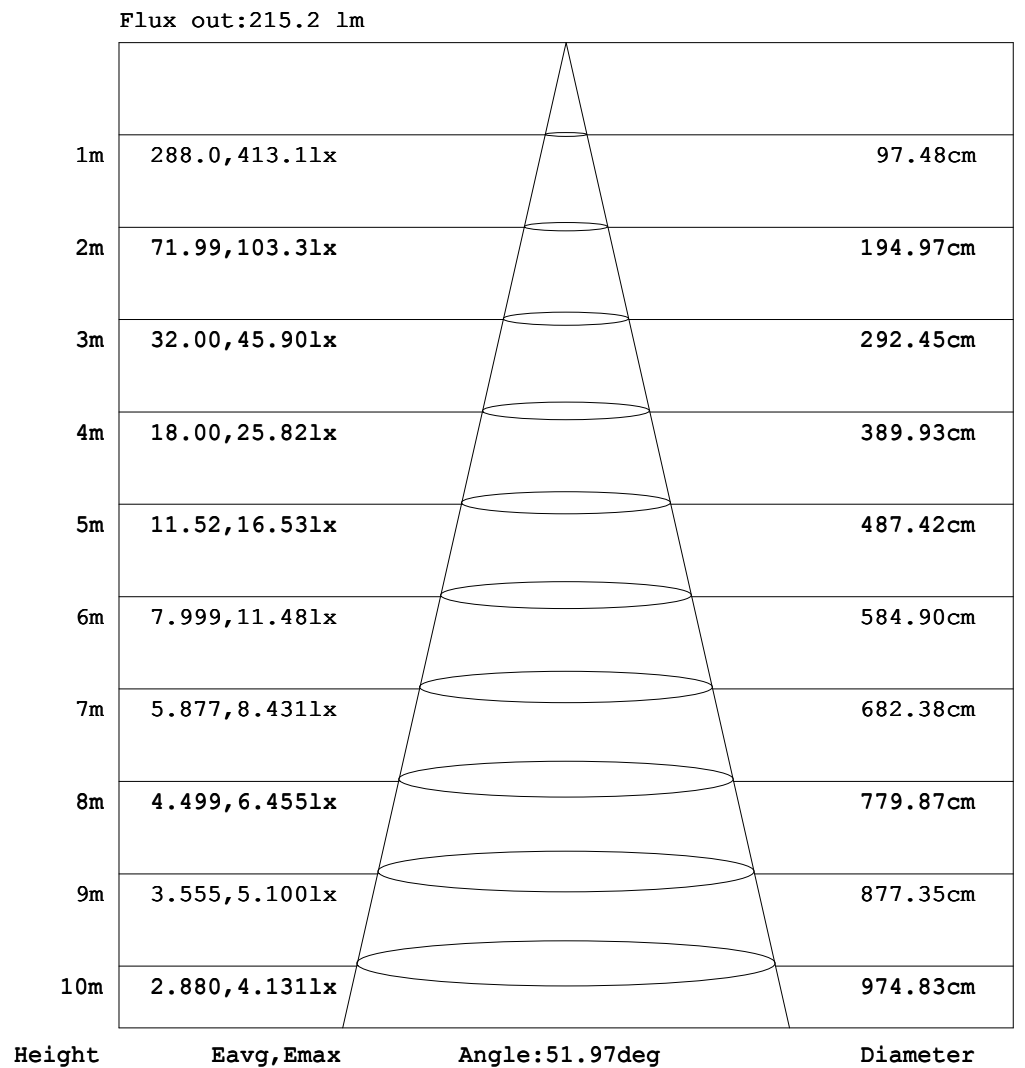


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Temperature:25.3DEG
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Test Date:2023-06-17

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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:

AAI Figure

Test:U:12.19V I:1.088A P:9.555W PF:0.7204 Freq:59.99Hz Lamp Flux:520.676x1 lm		
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SPEC.:10W 5700K 60°LENS	DIM.:	SERIAL No.:2
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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Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-06-17

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:1.088A P:9.555W PF:0.7204 Freq:59.99Hz Lamp Flux:520.676x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Copper Spotlight CW	WEIGHT:
SPEC.:10W 5700K 60°LENS	DIM.:	SERIAL No.:2
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	0.00	0.20	0.42	0.71	1.02	1.35	1.67	2.03	2.33	2.67	2.98	3.30	3.57	3.86	3.99
-170	0.00	0.00	0.00	0.00	0.01	0.19	0.41	0.68	0.99	1.31	1.65	1.99	2.33	2.68	3.02	3.33	3.59	3.78	3.93
-160	0.00	0.00	0.00	0.01	0.02	0.14	0.35	0.58	0.85	1.15	1.48	1.78	2.12	2.43	2.75	3.02	3.26	3.44	3.57
-150	0.00	0.00	0.00	0.01	0.02	0.08	0.25	0.44	0.67	0.91	1.17	1.44	1.70	1.97	2.23	2.46	2.64	2.79	2.89
-140	0.00	0.00	0.00	0.01	0.02	0.04	0.13	0.28	0.44	0.62	0.81	1.01	1.20	1.39	1.57	1.71	1.84	1.93	1.98
-130	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.12	0.23	0.35	0.47	0.59	0.70	0.81	0.92	1.01	1.08	1.12	1.14
-120	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.05	0.08	0.13	0.19	0.26	0.33	0.39	0.44	0.48	0.52	0.55	0.56
-110	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.14	0.15	0.17	0.19	0.21	0.23
-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	0.01	0.01	0.01	0.02	0.02
-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	0.03	0.09	0.10	0.12	0.14	0.13	0.13	0.13	0.12	0.10	0.07	0.05	0.03	0.00
-70	0.00	0.00	0.00	0.12	0.19	0.25	0.30	0.37	0.40	0.44	0.49	0.53	0.60	0.68	0.76	0.72	0.56	0.31	0.00
-60	0.00	0.00	0.13	0.24	0.36	0.48	0.65	0.95	1.93	3.54	4.87	6.03	7.26	8.42	9.21	9.51	9.17	8.17	6.63
-50	0.00	0.00	0.19	0.38	0.58	0.91	2.37	5.58	8.95	13.5	19.3	25.9	32.3	37.2	39.7	39.7	37.6	33.5	27.9
-40	0.00	0.01	0.27	0.52	0.90	2.78	7.57	13.6	23.3	36.9	52.8	66.3	76.3	83.5	87.7	88.6	85.8	79.3	69.2
-30	0.00	0.05	0.36	0.68	1.52	6.67	14.1	27.1	47.9	72.7	94.3	114	132	146	157	163	164	159	146
-20	0.00	0.10	0.42	0.80	2.97	10.3	22.1	44.4	76.6	107	137	168	196	222	245	263	275	278	268
-10	0.00	0.13	0.44	0.94	4.56	13.4	29.7	60.6	99.6	137	177	217	256	293	325	352	370	378	375
0	0.00	0.14	0.45	1.01	5.31	15.1	33.8	69.6	113	157	204	252	298	340	374	398	410	414	412
10	0.00	0.19	0.66	1.44	5.46	14.8	31.5	62.7	102	139	179	221	261	299	333	360	377	385	384
20	0.00	0.21	0.83	1.74	4.65	13.0	25.6	48.6	81.2	112	142	173	204	233	259	280	295	300	293
30	0.00	0.20	0.92	1.93	3.77	10.2	19.1	33.1	54.8	80.3	102	122	141	157	171	181	185	184	174
40	0.00	0.17	0.91	1.95	3.43	6.77	13.3	21.2	32.2	47.0	63.8	78.1	88.8	96.7	102	104	103	97.8	89.5
50	0.00	0.17	0.84	1.81	3.10	4.83	8.03	13.3	18.8	25.3	32.7	40.7	48.4	54.6	58.3	59.6	58.8	56.2	52.3
60	0.00	0.16	0.70	1.50	2.57	3.89	5.53	7.54	10.5	14.2	17.9	21.3	24.7	27.8	30.4	32.5	33.9	34.7	35.0
70	0.00	0.12	0.44	1.07	1.84	2.78	3.90	5.18	6.59	8.12	9.77	11.5	13.4	15.2	17.1	18.8	20.3	21.6	22.8
80	0.00	0.08	0.26	0.54	0.92	1.42	2.04	2.69	3.43	4.22	5.03	5.88	6.76	7.65	8.51	9.34	10.1	10.9	11.5
90	0.00	0.04	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.33	0.36	0.40	0.43	0.47	0.51	0.54	0.58	0.61	0.65
100	0.00	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	0.00	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	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.07	0.08	0.09	0.08	0.07	0.05	0.03	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.11	0.16	0.21	0.25	0.33	0.37	0.40	0.42	0.41	0.38	0.34
140	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.17	0.28	0.38	0.52	0.64	0.75	0.87	0.98	1.02	1.05	1.08	1.05
150	0.00	0.00	0.00	0.00	0.00	0.04	0.18	0.32	0.51	0.69	0.88	1.09	1.28	1.46	1.64	1.80	1.86	1.92	1.90
160	0.00	0.00	0.00	0.00	0.00	0.11	0.29	0.49	0.72	0.98	1.26	1.51	1.79	2.03	2.29	2.48	2.64	2.74	2.75
170	0.00	0.00	0.00	0.00	0.00	0.17	0.38	0.63	0.92	1.22	1.53	1.84	2.15	2.46	2.77	3.04	3.27	3.41	3.45
180	0.00	0.00	0.00	0.00	0.00	0.20	0.42	0.71	1.02	1.35	1.67	2.03	2.33	2.67	2.98	3.30	3.57	3.86	3.98

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Operators:ADMIN
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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	3.96	3.85	3.67	3.50	3.31	3.05	2.75	2.41	2.09	1.69	1.35	0.94	0.61	0.33	0.14	0.00	0.00	0.00	
-170	3.88	3.79	3.60	3.40	3.19	2.93	2.63	2.29	1.95	1.61	1.24	0.90	0.59	0.32	0.14	0.00	0.00	0.00	
-160	3.53	3.42	3.29	3.12	2.87	2.61	2.32	2.02	1.70	1.40	1.07	0.79	0.53	0.30	0.13	0.00	0.00	0.00	
-150	2.87	2.80	2.70	2.53	2.35	2.11	1.89	1.63	1.37	1.10	0.85	0.64	0.42	0.21	0.07	0.00	0.00	0.00	
-140	1.99	1.96	1.89	1.81	1.68	1.52	1.37	1.16	0.99	0.80	0.65	0.45	0.29	0.14	0.01	0.00	0.00	0.00	
-130	1.17	1.18	1.16	1.11	1.03	0.94	0.85	0.74	0.63	0.50	0.39	0.28	0.15	0.06	0.00	0.00	0.00	0.00	
-120	0.58	0.59	0.58	0.57	0.54	0.50	0.45	0.39	0.34	0.26	0.17	0.13	0.03	0.00	0.00	0.00	0.00	0.00	
-110	0.23	0.23	0.23	0.22	0.22	0.18	0.15	0.14	0.12	0.06	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
-100	0.02	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	0.00	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	0.04	0.08	0.11	0.13	0.14	0.14	0.14	0.13	0.11	0.09	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
-60	7.20	7.33	6.96	6.16	5.03	3.67	2.22	0.98	0.48	0.32	0.24	0.17	0.09	0.01	0.00	0.00	0.00	0.00	
-50	31.8	34.0	34.2	32.3	28.3	23.0	17.1	11.7	7.13	3.29	0.85	0.40	0.24	0.13	0.01	0.00	0.00	0.00	
-40	77.6	82.6	84.0	81.9	76.2	66.8	53.1	37.7	23.8	13.4	6.40	1.43	0.45	0.24	0.07	0.00	0.00	0.00	
-30	157	160	157	149	137	122	103	80.9	54.3	31.0	15.3	6.22	0.98	0.35	0.16	0.00	0.00	0.00	
-20	275	270	256	235	210	183	154	124	91.3	55.1	27.1	11.5	2.64	0.50	0.21	0.01	0.00	0.00	
-10	375	363	342	313	279	241	201	161	121	77.3	38.7	16.2	4.90	0.63	0.25	0.02	0.00	0.00	
0	408	400	384	358	322	279	232	185	139	89.9	44.9	18.5	5.93	0.70	0.27	0.02	0.00	0.00	
10	382	370	350	321	285	246	204	163	123	79.6	40.8	18.0	6.31	1.53	0.75	0.24	0.06	0.00	
20	297	289	273	249	221	191	160	129	96.2	59.7	31.2	15.0	5.29	2.18	1.15	0.42	0.11	0.00	
30	182	181	175	163	148	131	111	88.9	61.9	37.9	21.4	11.2	4.54	2.61	1.42	0.56	0.14	0.00	
40	96.2	99.4	99.4	96.1	89.5	79.4	64.9	48.8	33.8	22.4	14.0	7.20	4.44	2.77	1.50	0.64	0.17	0.00	
50	54.5	55.2	54.1	50.9	45.7	39.1	31.9	25.1	18.9	13.2	8.56	6.06	4.16	2.65	1.44	0.64	0.17	0.00	
60	33.7	32.1	29.9	27.4	24.4	21.1	17.5	14.0	11.2	8.87	6.83	5.05	3.51	2.22	1.26	0.57	0.16	0.00	
70	21.4	19.8	18.2	16.5	14.7	12.9	11.1	9.41	7.79	6.28	4.86	3.61	2.53	1.65	0.95	0.44	0.12	0.00	
80	10.8	10.1	9.27	8.41	7.53	6.64	5.75	4.90	4.08	3.31	2.59	1.95	1.39	0.92	0.54	0.26	0.08	0.00	
90	0.61	0.58	0.54	0.51	0.47	0.43	0.40	0.36	0.33	0.29	0.25	0.22	0.18	0.14	0.11	0.07	0.04	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	0.01	0.01	0.01	0.00	
110	0.02	0.04	0.06	0.07	0.08	0.08	0.07	0.07	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
120	0.06	0.12	0.17	0.21	0.24	0.26	0.25	0.24	0.23	0.18	0.12	0.10	0.01	0.00	0.00	0.00	0.00	0.00	
130	0.43	0.50	0.56	0.59	0.58	0.57	0.51	0.49	0.45	0.38	0.31	0.23	0.12	0.04	0.00	0.00	0.00	0.00	
140	1.14	1.18	1.21	1.21	1.15	1.08	1.00	0.87	0.75	0.63	0.54	0.38	0.25	0.12	0.00	0.00	0.00	0.00	
150	2.00	2.02	2.04	1.94	1.83	1.68	1.53	1.34	1.15	0.94	0.73	0.57	0.39	0.20	0.07	0.00	0.00	0.00	
160	2.83	2.81	2.75	2.66	2.47	2.28	2.04	1.80	1.53	1.27	0.97	0.73	0.49	0.28	0.13	0.00	0.00	0.00	
170	3.50	3.47	3.31	3.15	2.97	2.74	2.48	2.17	1.86	1.54	1.19	0.86	0.57	0.32	0.14	0.00	0.00	0.00	
180	3.96	3.85	3.67	3.50	3.31	3.05	2.75	2.41	2.09	1.69	1.35	0.94	0.61	0.33	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:2023-06-17

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: