

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

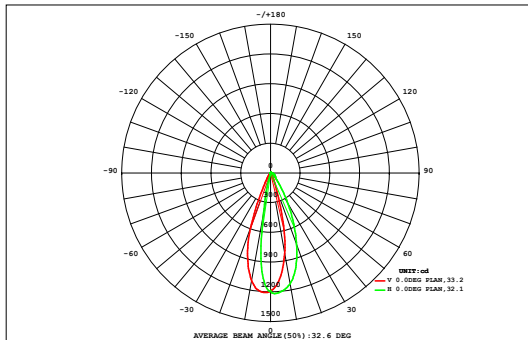
Maximum Intensity		2621.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	54.9V x 51.8H
	At 50% of Imax	32.1V x 33.2H
	At 90% of Imax	15.2V x 15.1H
Beam Flux	Total	1000.4 lumens per klm.
	To 10% of Imax	850.8 lumens per klm.
	To 50% of Imax	564.9 lumens per klm.
	To 90% of Imax	160.7 lumens per klm.
	Upward LOR	1.5 %
	Downward LOR	98.5 %
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:2023-06-17

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:12.05V I:1.116A P:9.827W PF:0.7304 Freq:59.97Hz Lamp Flux:464.246x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Copper Spotlight CW	WEIGHT:
SPEC.:10W 5700K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:DOWN-LIGHT SHROUD



DATA OF LAMP		Eff:47.24lm/W	
MODEL	D7B1-10W-A	Imax (cd)	1217
NOMINAL POWER (W)	10	AVAILABILITY (%)	83.0
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	385.3
NOMINAL FLUX (lm)	464.246	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	464.2
TEST VOLTAGE (V)	12	θ @50% (H,V)	33,32DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.10	0.14	0.18	0.25	0.32	0.41	0.51	0.61	0.69	0.69	0.60	0.50	0.40	0.31	0.24	0.18	0.13	0.09	6.37	0.00
45	0.11	0.15	0.22	0.31	0.44	0.60	0.79	0.98	1.13	1.12	0.95	0.76	0.57	0.41	0.29	0.21	0.15	0.10	9.28	3.44
40	0.12	0.17	0.27	0.41	0.63	0.93	1.30	1.66	1.96	1.94	1.61	1.23	0.86	0.58	0.37	0.24	0.16	0.11	14.5	10.7
35	0.12	0.20	0.33	0.57	0.94	1.46	2.09	2.71	3.21	3.17	2.59	1.94	1.32	0.82	0.49	0.29	0.17	0.11	22.5	19.5
30	0.13	0.23	0.42	0.76	1.34	2.15	3.16	4.14	4.81	4.66	3.77	2.78	1.85	1.12	0.62	0.33	0.19	0.11	32.6	30.1
25	0.13	0.25	0.50	0.98	1.77	3.05	4.60	5.84	6.55	6.23	4.98	3.57	2.34	1.38	0.74	0.37	0.19	0.11	43.6	41.4
20	0.13	0.27	0.56	1.14	2.25	4.16	6.03	7.31	7.99	7.65	6.23	4.31	2.63	1.51	0.78	0.37	0.18	0.09	53.6	51.6
15	0.12	0.26	0.58	1.22	2.73	5.07	7.00	8.28	8.85	8.51	7.16	4.98	2.71	1.43	0.71	0.32	0.14	0.07	60.1	58.2
10	0.10	0.23	0.53	1.18	2.95	5.49	7.44	8.72	9.17	8.81	7.39	5.12	2.48	1.11	0.52	0.22	0.09	0.05	61.6	59.7
5	0.09	0.20	0.45	1.02	2.64	4.96	6.68	7.95	8.62	8.26	6.62	4.36	1.95	0.81	0.36	0.15	0.06	0.03	55.2	53.2
0	0.07	0.17	0.37	0.79	1.90	3.62	4.86	5.51	5.84	5.49	4.39	2.84	1.25	0.60	0.28	0.12	0.05	0.03	38.2	36.0
-5	0.06	0.13	0.28	0.55	1.13	2.19	2.97	3.13	2.51	2.16	2.05	1.26	0.67	0.38	0.19	0.08	0.04	0.02	19.8	17.1
-10	0.05	0.09	0.19	0.35	0.60	1.05	1.47	1.39	0.80	0.48	0.53	0.45	0.34	0.21	0.11	0.05	0.03	0.02	8.22	4.36
-15	0.03	0.06	0.12	0.20	0.32	0.45	0.57	0.53	0.22	0.07	0.17	0.19	0.16	0.11	0.06	0.03	0.02	0.02	3.36	0.00
-20	0.03	0.04	0.07	0.11	0.17	0.21	0.23	0.18	0.07	0.03	0.06	0.08	0.07	0.05	0.03	0.02	0.02	0.01	1.49	0.00
-25	0.02	0.03	0.04	0.06	0.08	0.10	0.10	0.08	0.03	0.01	0.02	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.71	0.00
-30	0.02	0.02	0.02	0.03	0.04	0.04	0.04	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.36	0.00
-35	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.21	0.00
-40	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.21	0.00
-45	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.21	0.00
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45			
Φ t	1.43	2.66	5.15	9.95	20.3	36.0	49.9	59.1	62.5	59.3	49.1	34.4	19.7	10.9	5.84	3.02	1.64	1.00	432	---
Φ a	0.00	0.00	0.00	5.81	17.3	33.5	47.7	57.2	60.9	58.0	47.5	32.2	16.9	7.12	0.96	0.00	0.00	0.00	---	385

one-half-peak spread: U:10.5,D:21.7 , L:17.0,R:16.4

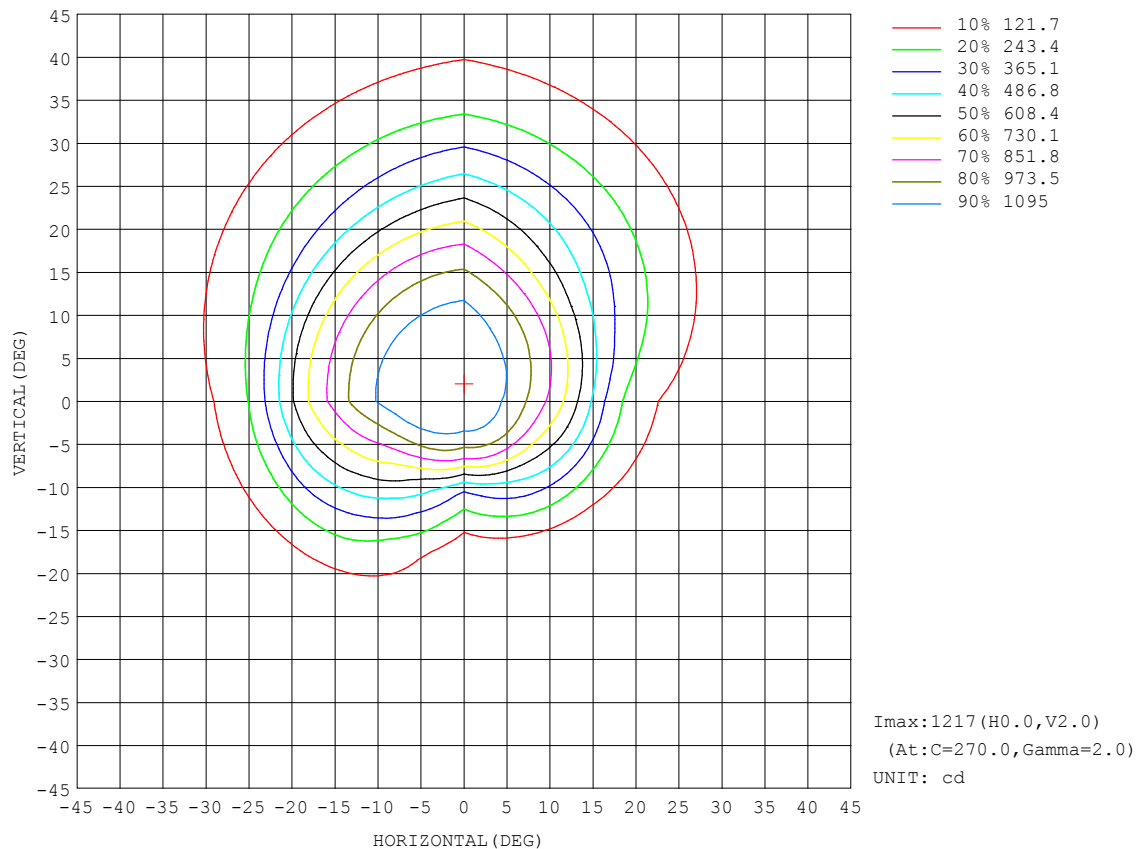
NEMA Beam Type: Type 4

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

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

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SPEC.:10W 5700K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:DOWN-LIGHT SHROUD

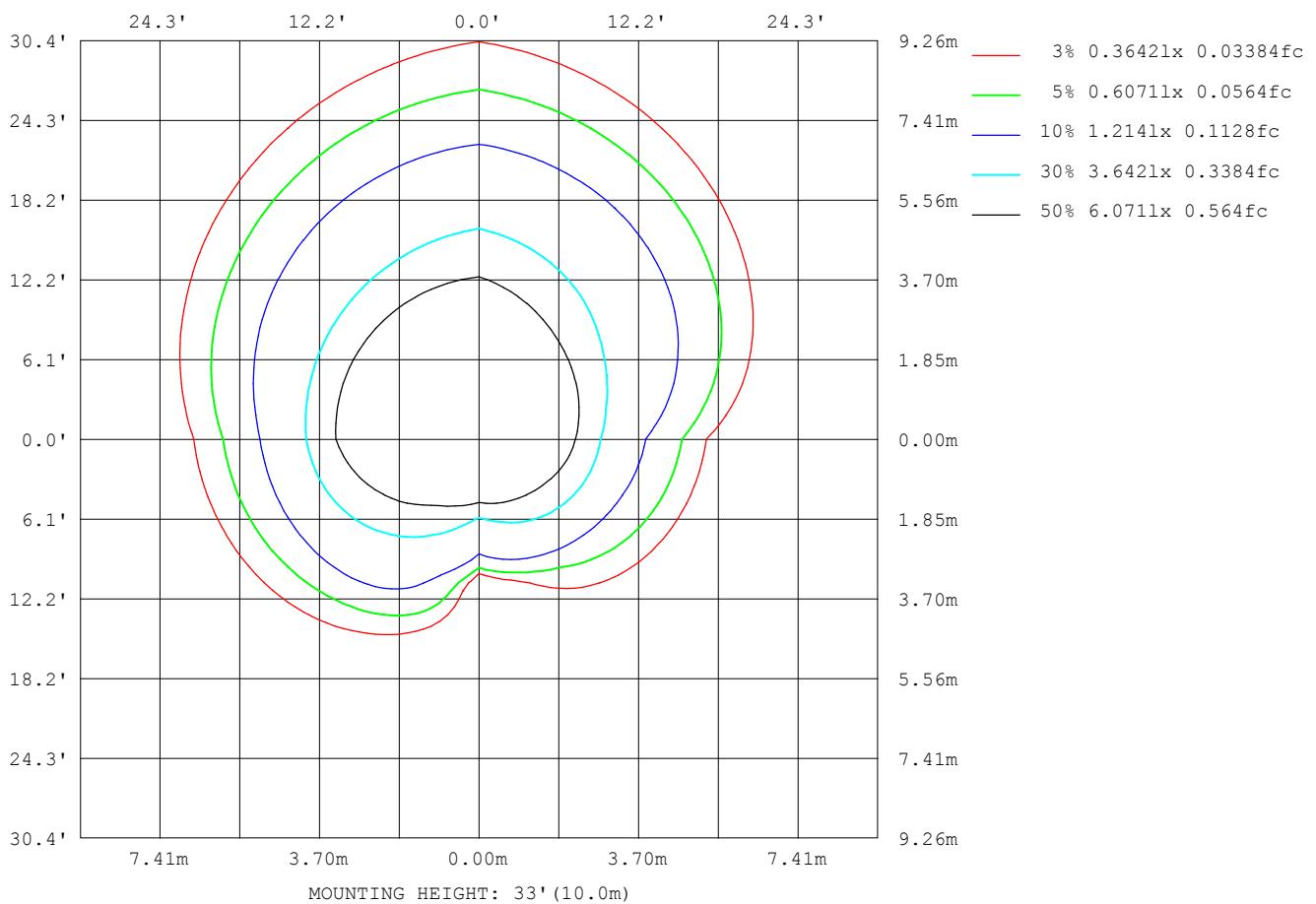


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H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-06-17

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:

ISOLUX DIAGRAM

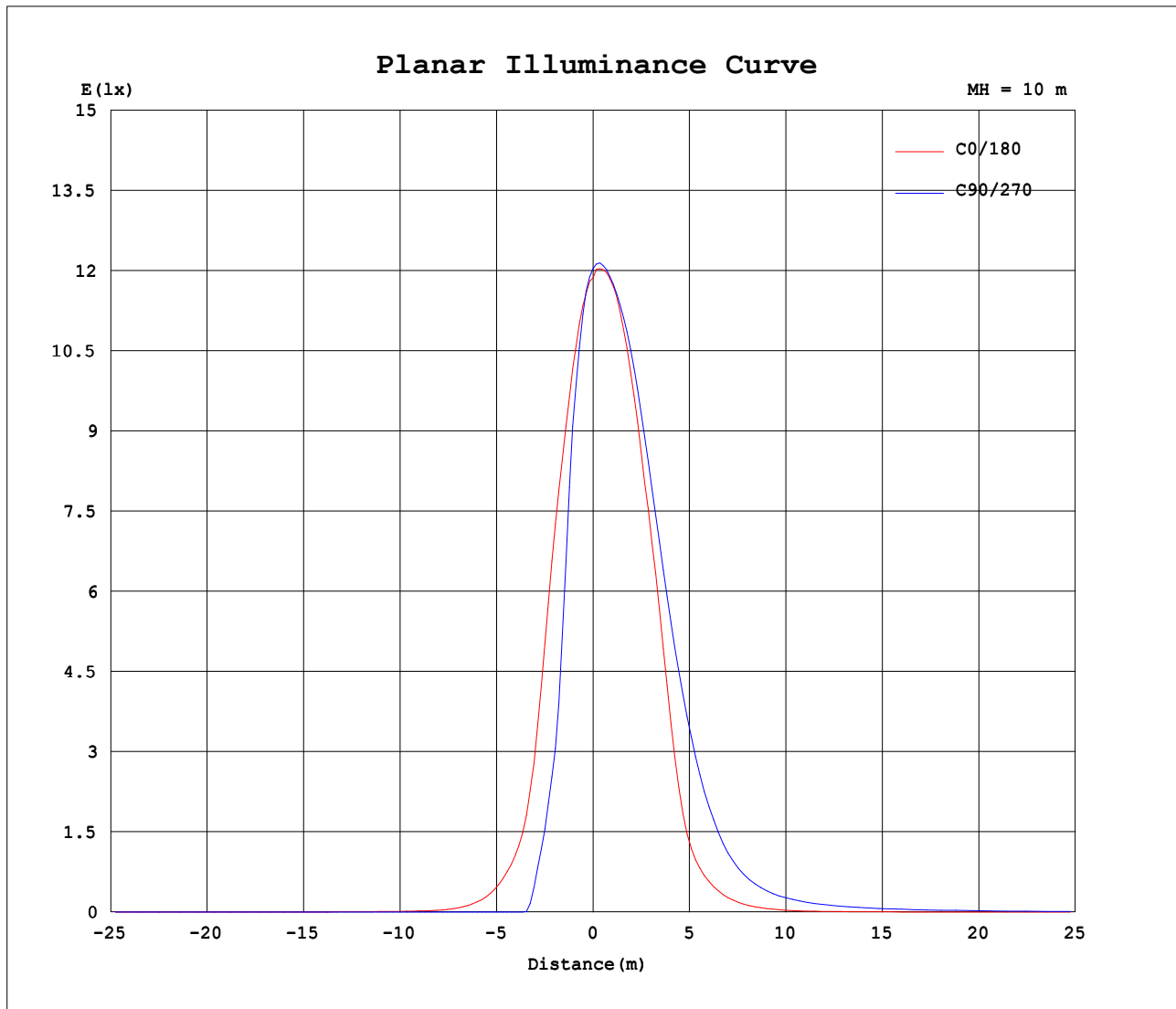
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Remarks:

Planar Illuminance Curve

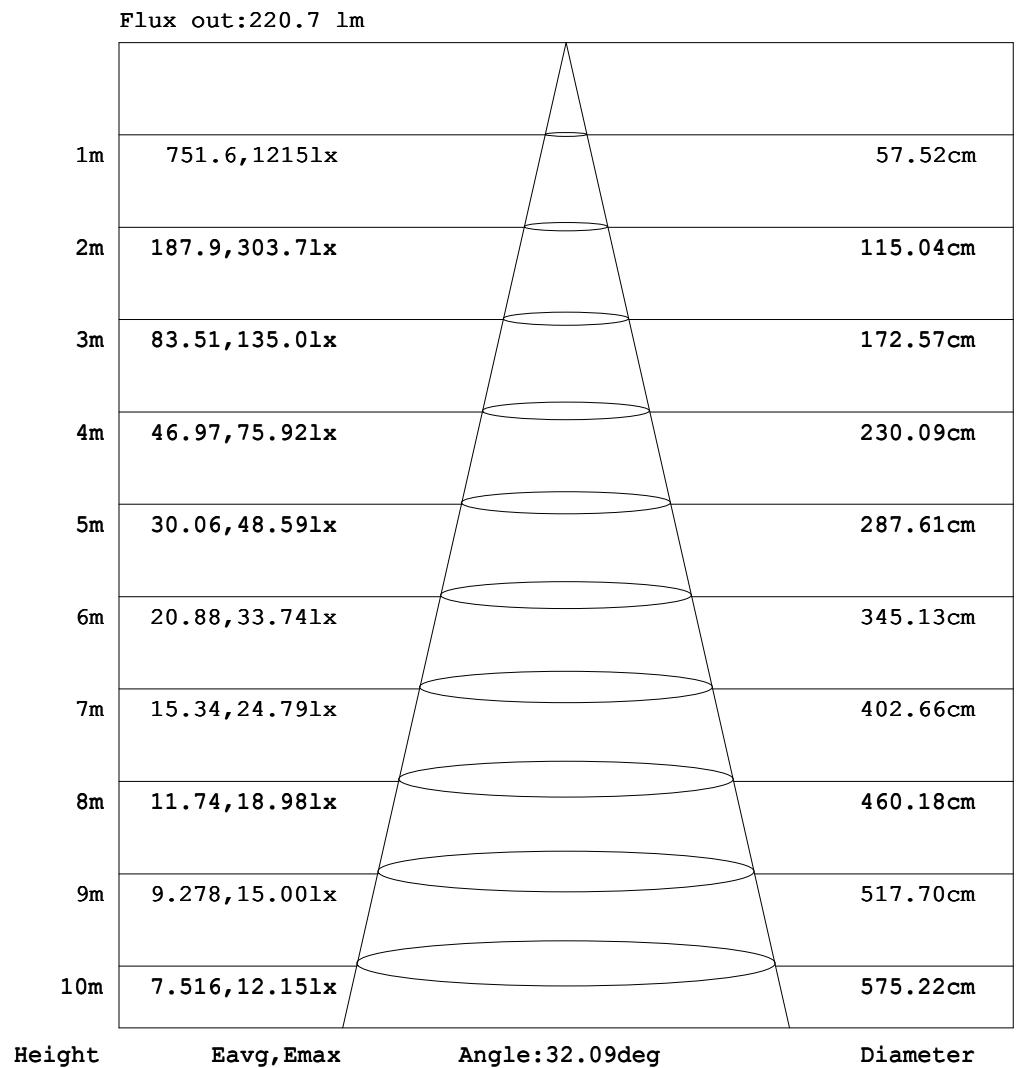


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Humidity:65.0%
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Remarks:

AAI Figure

Test:U:12.05V I:1.116A P:9.827W PF:0.7304 Freq:59.97Hz Lamp Flux:464.246x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Copper Spotlight CW	WEIGHT:
SPEC.:10W 5700K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:DOWN-LIGHT SHROUD



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

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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%
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.05V I:1.116A P:9.827W PF:0.7304 Freq:59.97Hz Lamp Flux:464.246x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Copper Spotlight CW	WEIGHT:
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MFR.: EVERFINE	SUR.:	Shielding Angle:DOWN-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	0.00	0.07	0.42	0.97	1.73	2.59	3.33	3.88	4.15	4.42	4.45
-170	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.08	0.16	0.28	0.73	1.38	2.24	3.16	3.98	4.52	4.84	4.99	5.21
-160	0.00	0.00	0.00	0.00	0.01	0.03	0.07	0.14	0.25	0.44	0.79	1.41	2.18	3.08	3.99	4.78	5.38	5.82	6.26
-150	0.00	0.00	0.00	0.01	0.02	0.04	0.08	0.14	0.26	0.44	0.71	1.12	1.70	2.40	3.16	3.92	4.63	5.26	5.77
-140	0.00	0.00	0.00	0.00	0.01	0.03	0.07	0.12	0.21	0.34	0.53	0.78	1.11	1.50	1.98	2.47	2.94	3.37	3.70
-130	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.08	0.13	0.20	0.31	0.44	0.61	0.80	1.02	1.23	1.46	1.65	1.80
-120	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.07	0.10	0.15	0.20	0.27	0.33	0.41	0.50	0.57	0.64	0.69
-110	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.12	0.14	0.16	0.19	0.20	0.22
-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	0.00	0.01	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.06	0.05	0.03	0.02	0.00
-70	0.00	0.00	0.00	0.02	0.10	0.15	0.21	0.27	0.31	0.33	0.37	0.36	0.34	0.32	0.27	0.22	0.15	0.08	0.00
-60	0.00	0.00	0.01	0.13	0.24	0.36	0.49	0.60	0.69	0.80	0.84	0.86	0.84	0.78	0.68	0.55	0.38	0.20	0.00
-50	0.00	0.00	0.12	0.25	0.45	0.66	0.85	1.09	1.29	1.46	1.57	1.63	1.63	1.54	1.37	1.14	0.81	0.43	0.00
-40	0.00	0.00	0.15	0.39	0.68	0.96	1.33	1.69	2.04	2.37	2.63	2.89	3.23	3.68	3.99	3.99	3.30	1.89	0.00
-30	0.00	0.00	0.22	0.53	0.86	1.34	1.84	2.38	2.95	3.58	4.55	6.55	9.97	14.2	18.3	20.6	18.5	11.1	0.00
-20	0.00	0.01	0.27	0.60	1.06	1.67	2.36	3.13	4.00	5.51	9.17	17.1	30.2	50.1	74.4	110	129	87.9	0.14
-10	0.00	0.01	0.29	0.72	1.25	1.95	2.78	3.77	5.13	8.39	16.9	34.7	69.8	135	305	475	555	537	411
0	0.00	0.01	0.31	0.77	1.36	2.12	3.07	4.24	5.99	10.5	22.8	49.4	106	248	595	892	1104	1199	1187
10	0.00	0.06	0.44	1.10	2.05	3.37	4.95	6.94	9.97	16.2	30.7	62.0	125	242	495	784	978	1095	1137
20	0.00	0.10	0.54	1.30	2.52	4.28	6.36	8.84	12.3	18.2	29.5	52.4	95.0	169	278	430	595	714	771
30	0.00	0.13	0.59	1.41	2.74	4.67	7.06	9.74	13.1	17.8	25.1	37.0	56.9	87.7	132	190	253	309	348
40	0.00	0.16	0.58	1.32	2.65	4.42	6.89	9.71	12.7	16.4	21.0	27.2	35.4	46.1	59.5	75.4	92.0	107	118
50	0.00	0.18	0.58	1.17	2.19	3.79	5.75	8.33	11.3	14.4	17.6	21.2	25.3	29.9	35.0	40.4	45.8	50.7	54.7
60	0.00	0.20	0.48	0.99	1.66	2.66	4.18	6.02	8.09	10.6	13.4	16.2	19.1	22.0	24.8	27.4	30.0	32.4	34.6
70	0.00	0.20	0.46	0.79	1.28	1.82	2.51	3.41	4.59	5.99	7.61	9.28	11.0	12.7	14.4	16.1	17.7	19.2	20.4
80	0.00	0.20	0.42	0.68	0.96	1.27	1.62	2.04	2.47	2.91	3.38	3.89	4.42	4.96	5.49	6.01	6.50	6.97	7.39
90	0.00	0.19	0.38	0.57	0.76	0.95	1.14	1.33	1.52	1.71	1.90	2.09	2.28	2.47	2.66	2.85	3.05	3.24	3.43
100	0.00	0.18	0.33	0.47	0.59	0.71	0.81	0.91	0.99	1.07	1.15	1.22	1.28	1.35	1.41	1.47	1.54	1.62	1.71
110	0.00	0.16	0.28	0.38	0.46	0.52	0.55	0.56	0.55	0.53	0.52	0.50	0.47	0.45	0.41	0.39	0.39	0.40	0.42
120	0.00	0.14	0.24	0.31	0.34	0.34	0.31	0.28	0.21	0.16	0.11	0.10	0.09	0.09	0.09	0.10	0.11	0.12	0.13
130	0.00	0.12	0.19	0.23	0.23	0.20	0.14	0.09	0.06	0.06	0.06	0.07	0.08	0.08	0.08	0.08	0.07	0.07	0.07
140	0.00	0.09	0.15	0.16	0.14	0.10	0.05	0.04	0.04	0.05	0.05	0.04	0.02	0.00	0.04	0.06	0.06	0.03	0.00
150	0.00	0.07	0.11	0.11	0.08	0.04	0.03	0.03	0.03	0.03	0.01	0.05	0.16	0.28	0.36	0.40	0.50	0.52	0.43
160	0.00	0.05	0.07	0.06	0.04	0.02	0.02	0.02	0.02	0.01	0.08	0.32	0.59	0.96	1.44	1.90	2.24	2.41	2.38
170	0.00	0.02	0.03	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.28	0.68	1.26	1.97	2.70	3.30	3.71	3.90	3.93
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.42	0.97	1.73	2.59	3.33	3.88	4.15	4.42	4.46

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Operators:ADMIN
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]
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MFR.: EVERFINE	SUR.:	Shielding Angle:DOWN-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	4.66	4.78	5.02	5.07	4.78	4.10	3.19	2.24	1.36	0.71	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-170	5.20	5.37	5.48	5.41	4.95	4.15	3.17	2.20	1.35	0.71	0.26	0.04	0.02	0.01	0.00	0.00	0.00	0.00	
-160	6.10	5.99	5.71	5.21	4.48	3.62	2.72	1.86	1.13	0.61	0.23	0.07	0.03	0.01	0.00	0.00	0.00	0.00	
-150	5.52	5.14	4.63	4.03	3.33	2.61	1.91	1.28	0.76	0.37	0.14	0.08	0.04	0.02	0.01	0.00	0.00	0.00	
-140	3.52	3.23	2.86	2.44	1.97	1.51	1.07	0.70	0.41	0.21	0.12	0.07	0.03	0.01	0.00	0.00	0.00	0.00	
-130	1.70	1.54	1.34	1.14	0.90	0.67	0.46	0.31	0.20	0.13	0.08	0.05	0.02	0.01	0.00	0.00	0.00	0.00	
-120	0.64	0.57	0.50	0.41	0.33	0.27	0.20	0.15	0.10	0.07	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00	
-110	0.20	0.19	0.16	0.14	0.12	0.09	0.07	0.05	0.04	0.02	0.01	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	0.02	0.04	0.06	0.06	0.07	0.06	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-60	0.10	0.18	0.26	0.31	0.35	0.35	0.33	0.29	0.23	0.16	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
-50	0.24	0.46	0.65	0.78	0.86	0.88	0.84	0.76	0.65	0.50	0.34	0.20	0.06	0.00	0.00	0.00	0.00	0.00	
-40	0.56	1.03	1.37	1.58	1.69	1.71	1.64	1.48	1.25	0.99	0.71	0.46	0.23	0.03	0.00	0.00	0.00	0.00	
-30	3.76	6.09	6.42	5.33	4.04	3.18	2.77	2.41	2.03	1.61	1.16	0.76	0.42	0.14	0.00	0.00	0.00	0.00	
-20	26.1	38.6	37.0	26.5	16.4	8.77	4.98	3.64	2.91	2.26	1.64	1.08	0.62	0.25	0.00	0.00	0.00	0.00	
-10	446	355	178	91.2	48.5	23.0	9.94	5.24	3.81	2.89	2.07	1.35	0.76	0.33	0.02	0.00	0.00	0.00	
0	1073	827	470	179	84.8	36.2	14.6	6.71	4.52	3.32	2.35	1.51	0.84	0.37	0.03	0.00	0.00	0.00	
10	1004	778	487	281	155	78.7	37.2	19.1	11.6	7.73	5.24	3.51	2.18	1.13	0.40	0.14	0.05	0.00	
20	652	505	358	230	136	73.6	40.3	24.0	15.6	10.6	7.36	5.08	3.23	1.71	0.70	0.27	0.09	0.00	
30	302	241	176	120	77.5	50.1	33.3	23.0	16.3	11.8	8.52	5.98	3.74	2.02	0.88	0.37	0.13	0.00	
40	106	89.7	72.8	57.1	44.1	33.8	25.9	19.8	15.2	11.7	8.74	6.02	3.69	2.01	0.93	0.43	0.16	0.00	
50	50.5	45.4	39.9	34.4	29.2	24.5	20.4	16.8	13.6	10.5	7.58	5.10	3.19	1.74	0.92	0.47	0.18	0.00	
60	32.3	29.8	27.1	24.4	21.6	18.6	15.7	12.8	10.0	7.56	5.50	3.70	2.30	1.42	0.86	0.47	0.20	0.00	
70	19.1	17.6	15.9	14.2	12.4	10.7	8.96	7.26	5.66	4.28	3.14	2.31	1.67	1.17	0.77	0.46	0.20	0.00	
80	6.95	6.47	5.96	5.43	4.88	4.34	3.81	3.31	2.84	2.40	1.99	1.61	1.27	0.96	0.68	0.42	0.20	0.00	
90	3.24	3.05	2.85	2.66	2.47	2.28	2.09	1.90	1.71	1.52	1.33	1.14	0.95	0.76	0.57	0.38	0.19	0.00	
100	1.62	1.54	1.47	1.41	1.35	1.28	1.22	1.15	1.07	0.99	0.91	0.81	0.71	0.59	0.47	0.33	0.18	0.00	
110	0.40	0.39	0.39	0.41	0.45	0.47	0.50	0.52	0.53	0.55	0.56	0.55	0.52	0.46	0.38	0.28	0.16	0.00	
120	0.12	0.11	0.10	0.09	0.09	0.09	0.10	0.11	0.16	0.21	0.28	0.31	0.34	0.34	0.31	0.24	0.14	0.00	
130	0.12	0.16	0.19	0.20	0.18	0.14	0.08	0.06	0.06	0.06	0.09	0.14	0.20	0.23	0.23	0.19	0.12	0.00	
140	0.19	0.34	0.45	0.50	0.47	0.42	0.34	0.22	0.13	0.04	0.04	0.05	0.10	0.14	0.16	0.15	0.09	0.00	
150	0.78	1.00	1.11	1.23	1.21	1.06	0.84	0.58	0.35	0.15	0.03	0.03	0.04	0.08	0.11	0.11	0.07	0.00	
160	2.70	2.84	2.83	2.66	2.36	2.03	1.62	1.14	0.70	0.38	0.11	0.02	0.02	0.04	0.06	0.07	0.05	0.00	
170	4.11	4.24	4.26	4.13	3.75	3.17	2.47	1.75	1.08	0.56	0.18	0.01	0.01	0.02	0.03	0.03	0.02	0.00	
180	4.66	4.78	5.02	5.07	4.78	4.10	3.19	2.24	1.36	0.71	0.24	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: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: