

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

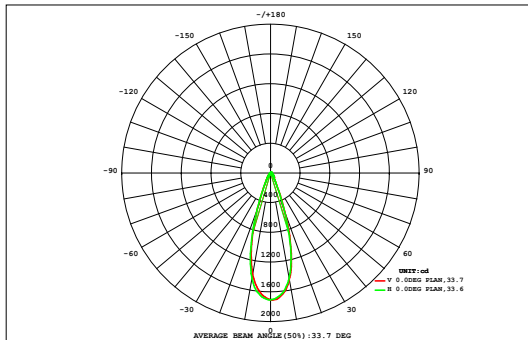
Maximum Intensity		2607.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	55.1V x 55.1H
	At 50% of Imax	33.7V x 33.8H
	At 90% of Imax	16.4V x 15.7H
Beam Flux	Total	1000.4 lumens per klm.
	To 10% of Imax	809.5 lumens per klm.
	To 50% of Imax	529.4 lumens per klm.
	To 90% of Imax	152.7 lumens per klm.
	Upward LOR	1.3 %
	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:2023-02-03

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:12.03V I:1.184A P:9.757W PF:0.6848 Freq:59.99Hz Lamp Flux:655.112x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Macro 10W 4110K	WEIGHT:
SPEC.:40°LENS	DIM.:	SERIAL No.:3
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:67.14lm/W	
MODEL	Z7B1-10W-A	Imax(cd)	1708
NOMINAL POWER(W)	10	AVAILABILITY(%)	81.0
RATED VOLTAGE(V)	12	Avai. FLUX(lm)	530.7
NOMINAL FLUX(lm)	655.112	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	655.1
TEST VOLTAGE(V)	12	θ @50% (H,V)	34,34DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.07	0.10	0.13	0.17	0.21	0.26	0.30	0.33	0.34	0.34	0.32	0.29	0.25	0.21	0.17	0.13	0.10	0.06	3.79	0.00
45	0.07	0.10	0.13	0.17	0.21	0.26	0.30	0.33	0.34	0.34	0.32	0.29	0.25	0.21	0.17	0.13	0.10	0.06	3.79	0.00
40	0.09	0.13	0.18	0.24	0.30	0.37	0.44	0.49	0.52	0.52	0.49	0.44	0.37	0.30	0.24	0.18	0.13	0.09	5.52	0.00
35	0.12	0.17	0.24	0.33	0.43	0.53	0.64	0.73	0.78	0.78	0.73	0.64	0.54	0.43	0.32	0.23	0.16	0.11	7.91	0.00
30	0.14	0.21	0.31	0.43	0.58	0.76	0.97	1.18	1.34	1.34	1.20	0.99	0.77	0.59	0.43	0.31	0.21	0.14	11.9	2.64
25	0.17	0.26	0.39	0.55	0.79	1.15	1.72	2.39	2.86	2.88	2.44	1.78	1.20	0.81	0.56	0.39	0.26	0.16	20.8	14.9
20	0.20	0.31	0.47	0.70	1.11	1.96	3.34	4.88	5.90	5.95	5.01	3.48	2.06	1.17	0.72	0.47	0.31	0.19	38.2	33.5
15	0.22	0.35	0.54	0.86	1.60	3.23	5.68	8.00	9.34	9.42	8.22	5.96	3.43	1.72	0.91	0.55	0.35	0.21	60.6	56.5
10	0.24	0.38	0.60	1.03	2.15	4.57	7.75	10.3	11.6	11.7	10.6	8.16	4.93	2.34	1.10	0.62	0.39	0.23	78.6	74.9
5	0.25	0.40	0.64	1.14	2.52	5.39	8.80	11.3	12.6	12.7	11.7	9.34	5.88	2.78	1.24	0.66	0.40	0.24	87.9	84.4
0	0.25	0.40	0.64	1.13	2.52	5.37	8.79	11.3	12.6	12.7	11.7	9.33	5.86	2.77	1.24	0.66	0.40	0.24	87.9	84.4
-5	0.23	0.38	0.60	1.02	2.14	4.53	7.70	10.3	11.6	11.7	10.6	8.11	4.89	2.32	1.10	0.62	0.38	0.23	78.5	74.7
-10	0.22	0.34	0.53	0.86	1.58	3.18	5.60	7.90	9.24	9.32	8.12	5.88	3.39	1.70	0.90	0.55	0.35	0.21	59.8	55.8
-15	0.19	0.30	0.46	0.69	1.10	1.92	3.27	4.76	5.74	5.79	4.89	3.40	2.02	1.15	0.71	0.46	0.30	0.19	37.3	32.6
-20	0.17	0.25	0.38	0.54	0.77	1.13	1.68	2.31	2.76	2.78	2.36	1.74	1.18	0.79	0.55	0.38	0.25	0.16	20.2	14.3
-25	0.14	0.21	0.30	0.42	0.56	0.73	0.94	1.15	1.30	1.31	1.17	0.96	0.75	0.57	0.42	0.29	0.20	0.13	11.5	2.17
-30	0.11	0.16	0.23	0.31	0.41	0.51	0.61	0.69	0.74	0.74	0.69	0.61	0.51	0.41	0.31	0.22	0.16	0.11	7.53	0.00
-35	0.09	0.12	0.17	0.23	0.29	0.35	0.41	0.45	0.48	0.48	0.45	0.41	0.35	0.29	0.22	0.17	0.12	0.08	5.16	0.00
-40	0.06	0.09	0.13	0.16	0.20	0.24	0.27	0.30	0.31	0.31	0.30	0.27	0.24	0.20	0.16	0.12	0.09	0.06	3.52	0.00
-45	0.06	0.09	0.13	0.16	0.20	0.24	0.27	0.30	0.31	0.31	0.30	0.27	0.24	0.20	0.16	0.12	0.09	0.06	3.52	0.00
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45			
Φ t	2.94	4.57	6.91	10.8	19.3	36.2	58.9	78.7	90.0	90.8	81.0	61.8	38.6	20.5	11.3	7.02	4.55	2.86	627	---
Φ a	0.00	0.00	0.00	1.81	12.9	31.0	54.1	74.3	85.6	86.4	76.5	57.1	33.5	14.5	2.86	0.00	0.00	0.00	---	531

one-half-peak spread: U:16.8,D:17.0 , L:17.5,R:16.4

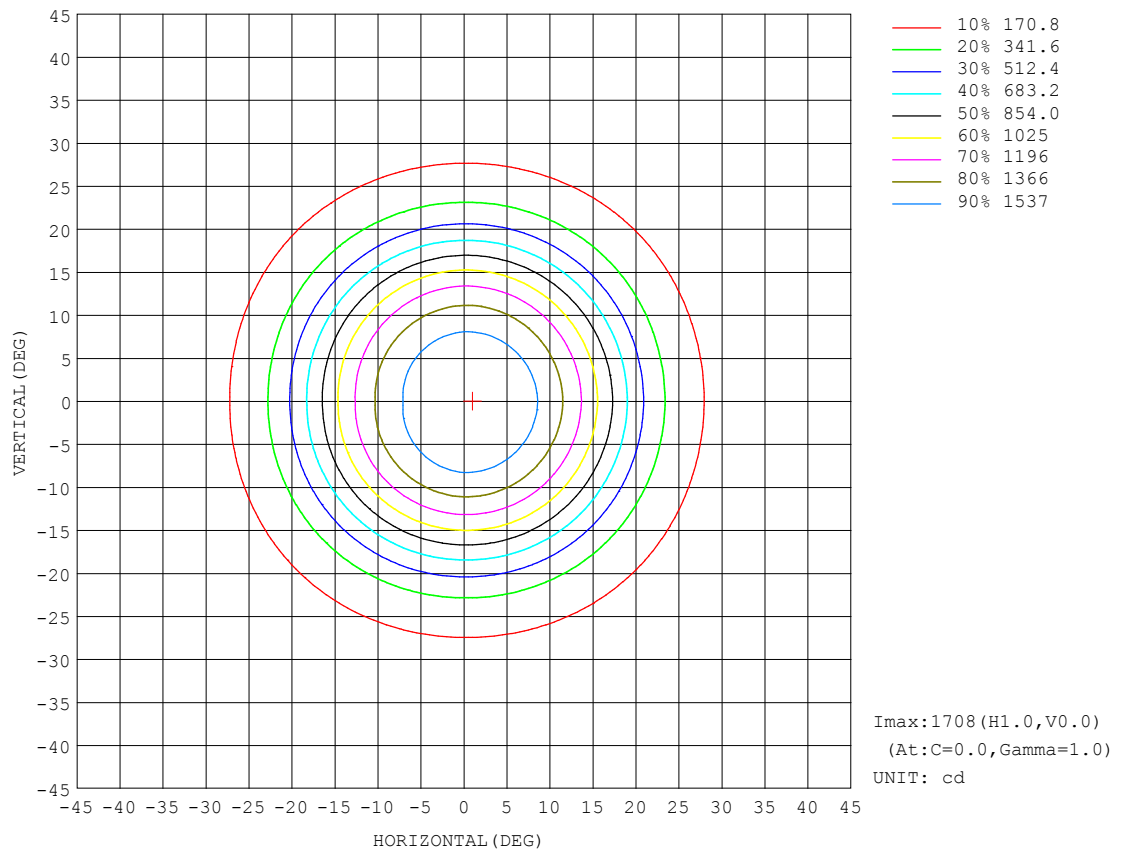
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-03

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:12.03V I:1.184A P:9.757W PF:0.6848 Freq:59.99Hz Lamp Flux:655.112x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Macro 10W 4110K	WEIGHT:
SPEC.:40°LENS	DIM.:	SERIAL No.:3
MFR.: EVERFINE	SUR.:	Shielding Angle:

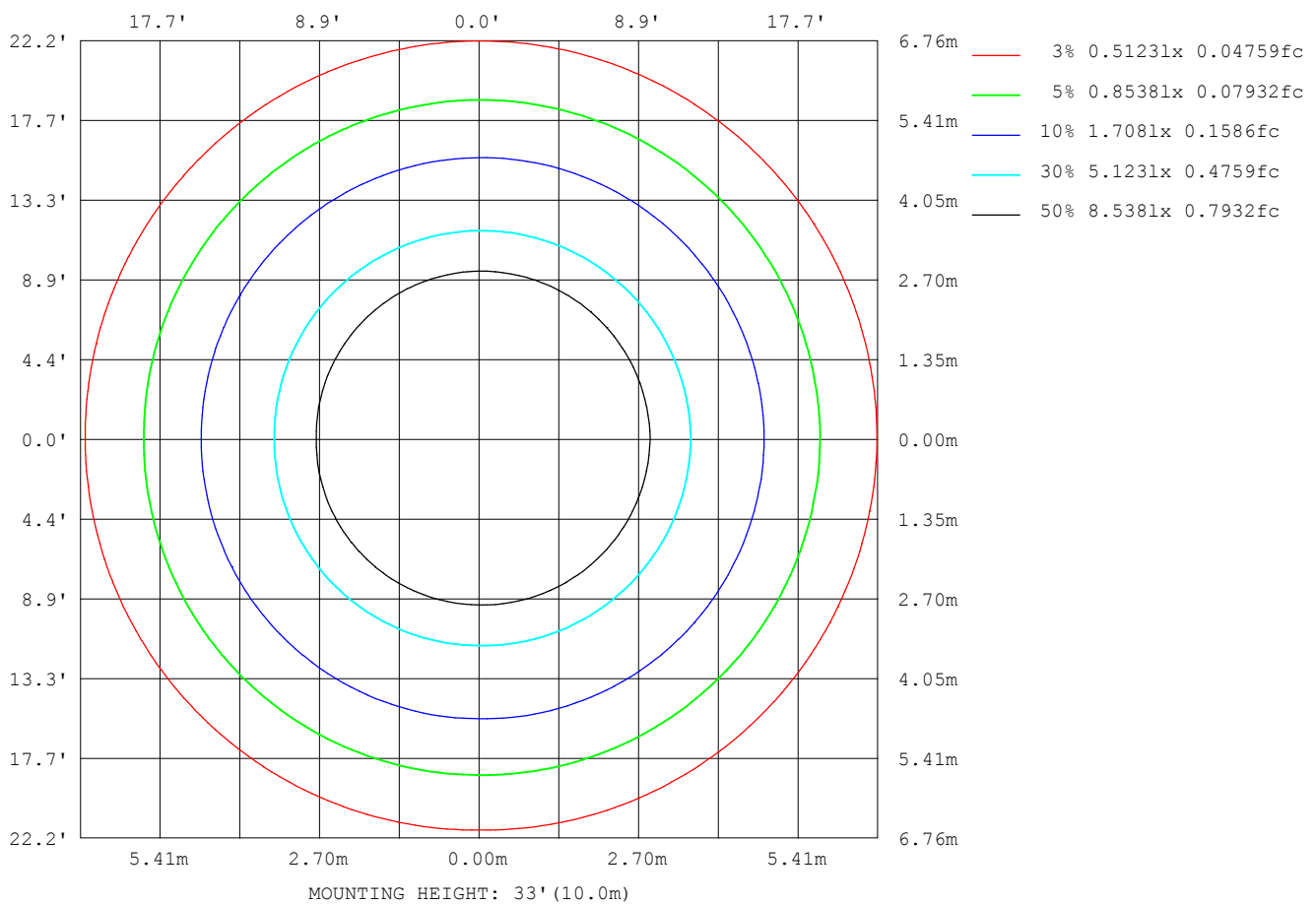


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H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-03

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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

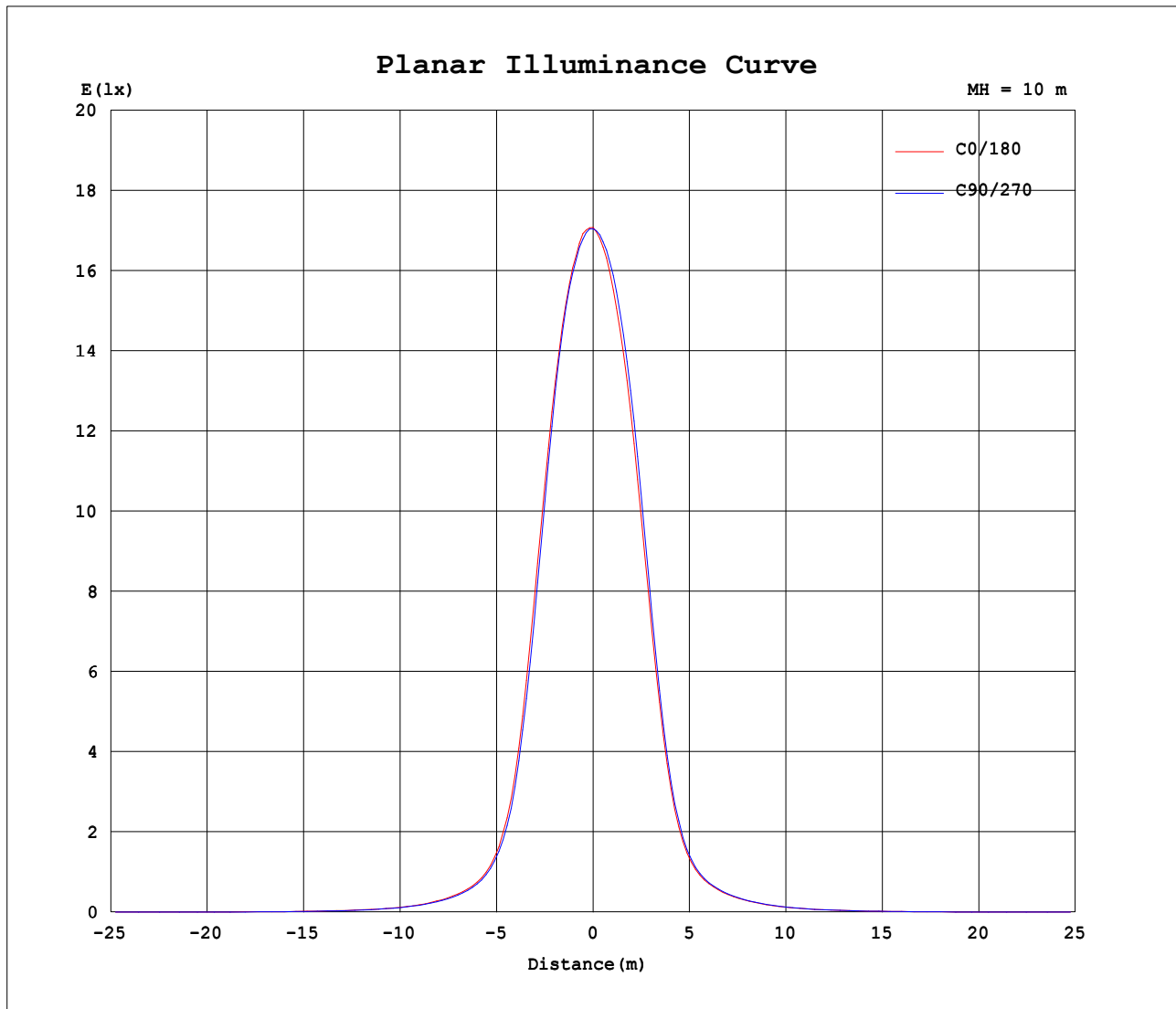
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Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-03

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

Planar Illuminance Curve

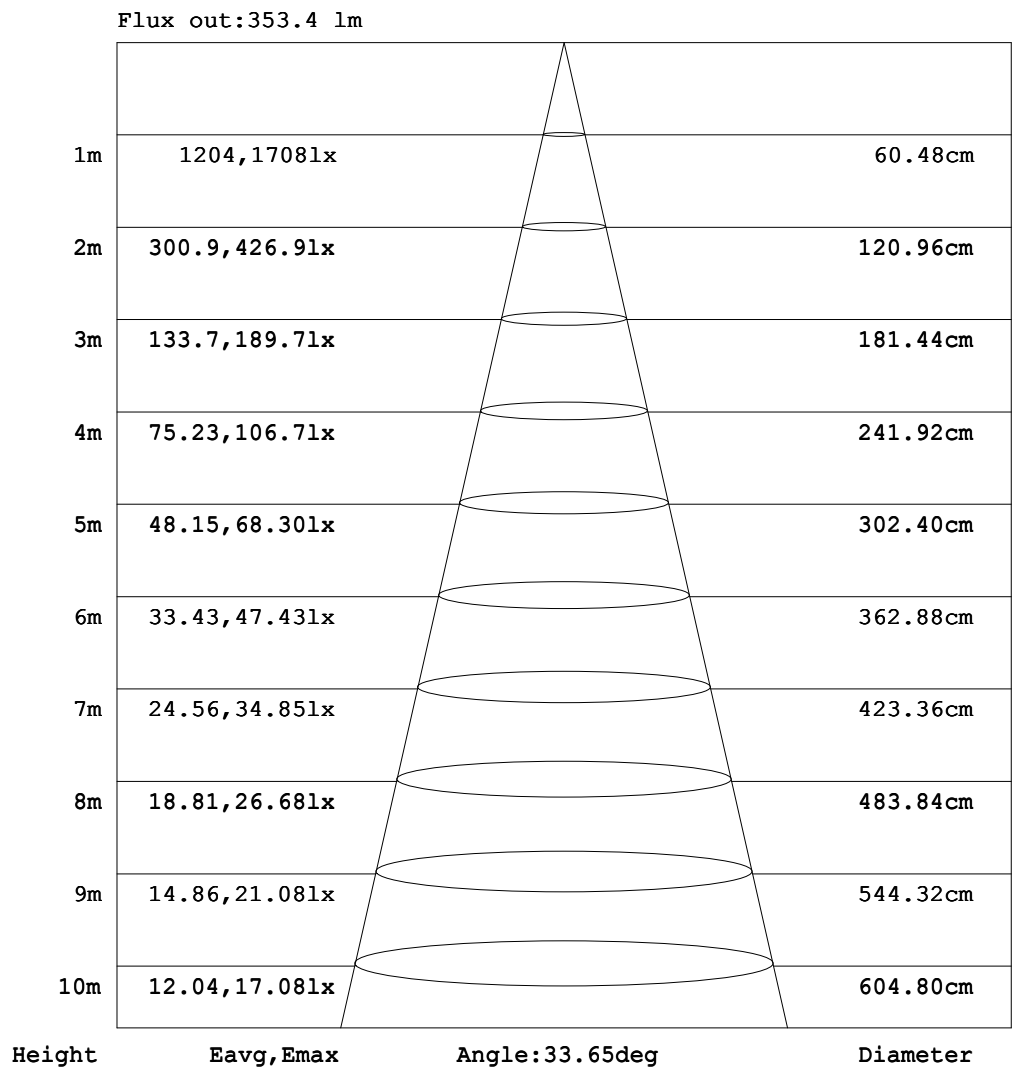


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H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-03

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:

AAI Figure

Test:U:12.03V I:1.184A P:9.757W PF:0.6848 Freq:59.99Hz Lamp Flux:655.112x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Macro 10W 4110K	WEIGHT:
SPEC.:40°LENS	DIM.:	SERIAL No.:3
MFR.: EVERFINE	SUR.:	Shielding Angle:



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:2023-02-03

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:12.03V I:1.184A P:9.757W PF:0.6848 Freq:59.99Hz Lamp Flux:655.112x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Macro 10W 4110K	WEIGHT:
SPEC.:40°LENS	DIM.:	SERIAL No.:3
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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	0.01	0.20	0.54	1.20	2.23	3.58	5.09	6.52	7.61	8.34	8.83	9.16
-170	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.21	0.56	1.21	2.19	3.49	4.96	6.40	7.57	8.33	8.76	9.00
-160	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.15	0.43	0.91	1.66	2.67	3.85	5.08	6.20	7.12	7.77	8.16
-150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.07	0.23	0.51	0.93	1.55	2.30	3.10	3.89	4.57	5.10	5.42
-140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.08	0.20	0.38	0.63	0.96	1.35	1.73	2.10	2.39	2.56
-130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.10	0.16	0.26	0.36	0.49	0.60	0.69	0.75
-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	0.03	0.05	0.08	0.10	0.12	0.13
-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	0.03	0.12	0.23	0.41	0.58	0.76	0.92	1.08	1.20	1.29	1.33	1.32
-60	0.00	0.00	0.00	0.00	0.00	0.11	0.34	0.73	1.24	1.88	2.59	3.35	4.18	4.99	5.74	6.39	6.89	7.16	7.19
-50	0.00	0.00	0.00	0.00	0.15	0.58	1.31	2.34	3.65	5.30	7.45	9.90	12.4	14.8	17.0	18.8	20.2	21.0	21.1
-40	0.00	0.00	0.00	0.06	0.48	1.39	2.79	4.76	7.67	11.4	15.6	20.2	25.5	31.1	36.9	42.4	46.8	49.8	50.6
-30	0.00	0.00	0.00	0.18	0.93	2.38	4.57	8.09	12.9	18.7	26.0	35.0	46.5	60.2	75.3	91.4	107	120	124
-20	0.00	0.00	0.00	0.31	1.39	3.31	6.38	11.6	17.9	26.5	37.9	54.3	75.9	106	157	248	375	496	548
-10	0.00	0.00	0.00	0.42	1.74	4.01	8.02	13.9	21.8	32.6	49.0	72.3	108	182	373	718	1091	1347	1444
0	0.00	0.00	0.00	0.47	1.87	4.29	8.61	14.9	23.4	35.4	53.7	79.9	124	237	532	993	1389	1615	1708
10	0.00	0.00	0.00	0.43	1.75	4.05	8.08	14.1	22.0	33.0	49.6	73.2	109	184	378	727	1102	1348	1438
20	0.00	0.00	0.00	0.32	1.42	3.38	6.52	11.9	18.2	27.1	38.9	55.8	77.8	108	159	253	386	510	563
30	0.00	0.00	0.00	0.19	0.96	2.46	4.72	8.30	13.3	19.3	26.9	36.4	48.5	63.0	78.6	95.2	111	124	129
40	0.00	0.00	0.00	0.07	0.51	1.45	2.92	4.99	7.99	12.0	16.4	21.3	27.0	33.0	39.4	45.5	50.6	54.4	55.8
50	0.00	0.00	0.00	0.00	0.18	0.63	1.39	2.50	3.91	5.66	7.93	10.7	13.4	16.0	18.4	20.5	22.3	23.4	23.8
60	0.00	0.00	0.00	0.00	0.00	0.15	0.40	0.82	1.38	2.07	2.88	3.75	4.70	5.58	6.56	7.33	7.79	8.03	8.09
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.19	0.34	0.52	0.73	0.93	1.13	1.33	1.49	1.61	1.68	1.70
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
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
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
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	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
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.12	0.24	0.39	0.61	0.77	0.92	1.04	1.07
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.25	0.53	0.92	1.43	2.00	2.57	3.02	3.29	3.37
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.27	0.64	1.22	2.05	3.05	4.08	5.02	5.75	6.18	6.31
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.46	1.02	1.92	3.13	4.49	5.84	6.96	7.70	8.11	8.24
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.20	0.54	1.20	2.23	3.58	5.09	6.52	7.61	8.34	8.83	9.16

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

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MFR.: EVERFINE	SUR.:	Shielding Angle:

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	9.07	9.01	8.77	7.99	6.71	5.20	3.71	2.40	1.35	0.64	0.28	0.08	0.00	0.00	0.00	0.00	0.00	0.00	
-170	8.99	8.90	8.45	7.53	6.23	4.80	3.40	2.17	1.22	0.62	0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.00	
-160	8.01	7.60	6.89	5.93	4.80	3.63	2.53	1.57	0.87	0.44	0.17	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
-150	5.28	4.92	4.37	3.68	2.91	2.14	1.43	0.87	0.48	0.23	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-140	2.49	2.29	1.99	1.64	1.25	0.89	0.61	0.35	0.19	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-130	0.72	0.67	0.57	0.46	0.36	0.25	0.18	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-120	0.13	0.11	0.09	0.05	0.03	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	
-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	1.30	1.25	1.14	1.00	0.84	0.67	0.50	0.36	0.20	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-60	7.09	6.76	6.22	5.57	4.79	3.97	3.15	2.37	1.67	1.06	0.59	0.28	0.09	0.00	0.00	0.00	0.00	0.00	
-50	20.9	20.0	18.6	16.7	14.5	12.0	9.17	6.94	4.93	3.33	2.04	1.08	0.46	0.13	0.00	0.00	0.00	0.00	
-40	49.7	46.7	42.2	36.6	30.7	24.9	19.8	15.2	10.6	7.00	4.32	2.44	1.13	0.38	0.07	0.00	0.00	0.00	
-30	120	108	92.4	76.1	60.5	46.1	34.3	25.1	18.0	12.1	7.31	4.10	2.02	0.71	0.16	0.00	0.00	0.00	
-20	505	387	260	164	109	77.3	54.4	37.1	25.4	17.2	10.5	5.82	2.90	1.11	0.25	0.00	0.00	0.00	
-10	1371	1135	766	401	197	112	73.7	48.5	31.7	20.9	13.0	7.11	3.53	1.41	0.34	0.00	0.00	0.00	
0	1656	1460	1077	590	267	132	82.4	53.6	34.1	22.2	13.9	7.61	3.75	1.52	0.36	0.00	0.00	0.00	
10	1372	1145	775	405	198	113	74.6	49.1	32.0	21.1	13.2	7.18	3.57	1.43	0.34	0.00	0.00	0.00	
20	519	398	266	166	111	79.2	56.0	38.0	26.0	17.6	10.7	5.95	2.96	1.13	0.27	0.00	0.00	0.00	
30	125	112	96.2	79.4	63.3	48.1	35.6	26.0	18.6	12.6	7.52	4.25	2.10	0.74	0.18	0.00	0.00	0.00	
40	54.3	50.5	45.3	39.0	32.5	26.4	20.9	16.1	11.2	7.33	4.55	2.57	1.20	0.41	0.08	0.00	0.00	0.00	
50	23.3	22.1	20.3	18.2	15.8	13.0	10.0	7.42	5.30	3.59	2.20	1.17	0.51	0.16	0.00	0.00	0.00	0.00	
60	7.97	7.66	7.16	6.40	5.38	4.48	3.55	2.66	1.86	1.19	0.68	0.34	0.13	0.00	0.00	0.00	0.00	0.00	
70	1.66	1.57	1.43	1.25	1.05	0.85	0.65	0.47	0.31	0.18	0.08	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	
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	
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	
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	
120	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	
130	0.18	0.19	0.17	0.13	0.11	0.09	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
140	1.14	1.11	1.03	0.90	0.68	0.49	0.36	0.19	0.10	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
150	3.47	3.36	3.05	2.58	2.05	1.51	1.03	0.62	0.33	0.16	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
160	6.43	6.23	5.70	4.94	4.00	3.01	2.09	1.30	0.71	0.35	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
170	8.35	8.26	7.83	6.97	5.76	4.43	3.12	1.98	1.12	0.57	0.23	0.05	0.00	0.00	0.00	0.00	0.00	0.00	
180	9.07	9.01	8.77	7.99	6.71	5.20	3.71	2.40	1.35	0.64	0.28	0.08	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:2023-02-03

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: