

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

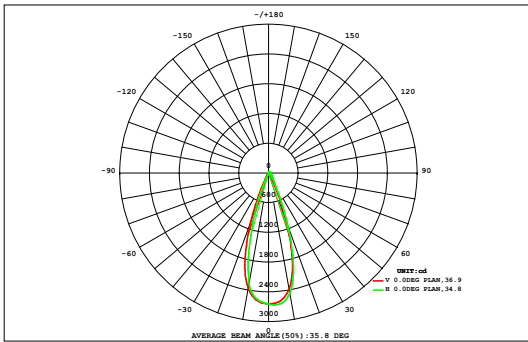
Maximum Intensity		2693.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	53.4V x 53.2H
	At 50% of Imax	34.8V x 36.9H
	At 90% of Imax	19.7V x 19.9H
Beam Flux	Total	1000.4 lumens per klm.
	To 10% of Imax	896.1 lumens per klm.
	To 50% of Imax	635.0 lumens per klm.
	To 90% of Imax	245.8 lumens per klm.
	Upward LOR	1.6 %
	Downward LOR	98.5 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:25 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:1.192A P:13.45W PF:0.9279 Freq:59.98Hz Lamp Flux:989.32x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:15W 3000K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:DOWN-LIGHT SHROUD



DATA OF LAMP		Eff:73.53lm/W	
MODEL	D5A2-15W-30K-BZ	Imax (cd)	2664
NOMINAL POWER (W)	8	AVAILABILITY (%)	88.7
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	877.9
NOMINAL FLUX (lm)	989.32	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	989.3
TEST VOLTAGE (V)	12	θ @50% (H, V)	37,35DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	0.06	0.10	0.15	0.22	0.30	0.39	0.49	0.59	0.67	0.67	0.59	0.49	0.39	0.30	0.22	0.15	0.10	0.06			
45	0.06	0.10	0.15	0.22	0.30	0.39	0.49	0.59	0.67	0.67	0.59	0.49	0.39	0.30	0.22	0.15	0.10	0.06	5.94	0.00	
40	0.08	0.13	0.19	0.29	0.41	0.56	0.72	0.88	1.01	1.02	0.89	0.73	0.56	0.41	0.29	0.19	0.13	0.08	8.56	0.00	
35	0.09	0.15	0.24	0.37	0.56	0.79	1.06	1.34	1.56	1.56	1.34	1.08	0.81	0.57	0.38	0.24	0.15	0.09	12.4	0.00	
30	0.10	0.17	0.29	0.48	0.76	1.17	1.70	2.30	2.76	2.76	2.30	1.72	1.19	0.78	0.49	0.30	0.18	0.10	19.6	9.70	
25	0.10	0.19	0.34	0.61	1.09	1.97	3.38	4.96	6.04	6.05	4.97	3.38	1.98	1.11	0.64	0.36	0.20	0.11	37.5	30.8	
20	0.10	0.20	0.39	0.79	1.72	3.78	6.82	9.75	11.5	11.6	9.78	6.86	3.80	1.74	0.82	0.42	0.22	0.11	70.4	65.4	
15	0.10	0.20	0.43	1.04	2.82	6.49	11.0	14.7	16.7	16.7	14.8	11.1	6.55	2.84	1.07	0.47	0.22	0.11	107	103	
10	0.08	0.18	0.45	1.33	4.07	9.02	14.3	17.8	19.3	19.4	17.8	14.4	9.12	4.11	1.35	0.49	0.21	0.09	134	130	
5	0.06	0.15	0.43	1.50	4.85	10.4	15.7	18.8	20.0	20.0	18.9	15.9	10.6	4.91	1.52	0.47	0.17	0.07	144	142	
0	0.04	0.12	0.37	1.37	4.64	10.1	15.4	18.6	19.8	19.8	18.7	15.6	10.3	4.70	1.39	0.41	0.14	0.06	141	138	
-5	0.04	0.10	0.29	0.98	3.46	8.16	13.2	16.9	18.5	18.5	16.9	13.3	8.26	3.50	1.00	0.33	0.12	0.05	124	120	
-10	0.03	0.07	0.19	0.57	1.89	5.26	9.26	12.6	14.3	14.4	12.7	9.35	5.32	1.91	0.60	0.23	0.09	0.04	88.8	85.5	
-15	0.02	0.05	0.11	0.29	0.77	2.22	4.87	7.13	8.19	8.20	7.16	4.90	2.23	0.78	0.33	0.14	0.06	0.03	47.5	43.7	
-20	0.02	0.03	0.07	0.14	0.29	0.59	1.25	2.30	2.92	2.92	2.31	1.26	0.60	0.32	0.16	0.08	0.04	0.02	15.3	9.00	
-25	0.01	0.02	0.04	0.06	0.11	0.18	0.24	0.24	0.16	0.16	0.24	0.25	0.20	0.13	0.08	0.05	0.03	0.01	2.22	0.00	
-30	0.01	0.01	0.02	0.03	0.05	0.06	0.07	0.06	0.02	0.03	0.07	0.08	0.07	0.06	0.04	0.02	0.02	0.01	0.73	0.00	
-35	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.30	0.00	
-40	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.15	0.00	
-45	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.15	0.00	
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45				
Φ t	0.96	1.88	4.03	10.1	27.8	61.2	99.5	129	144	144	130	100	61.9	28.2	10.4	4.38	2.08	1.05	960	---	
Φ a	0.00	0.00	0.00	1.54	21.3	55.8	94.8	125	139	140	125	95.7	56.5	21.6	1.62	0.00	0.00	0.00	---	878	

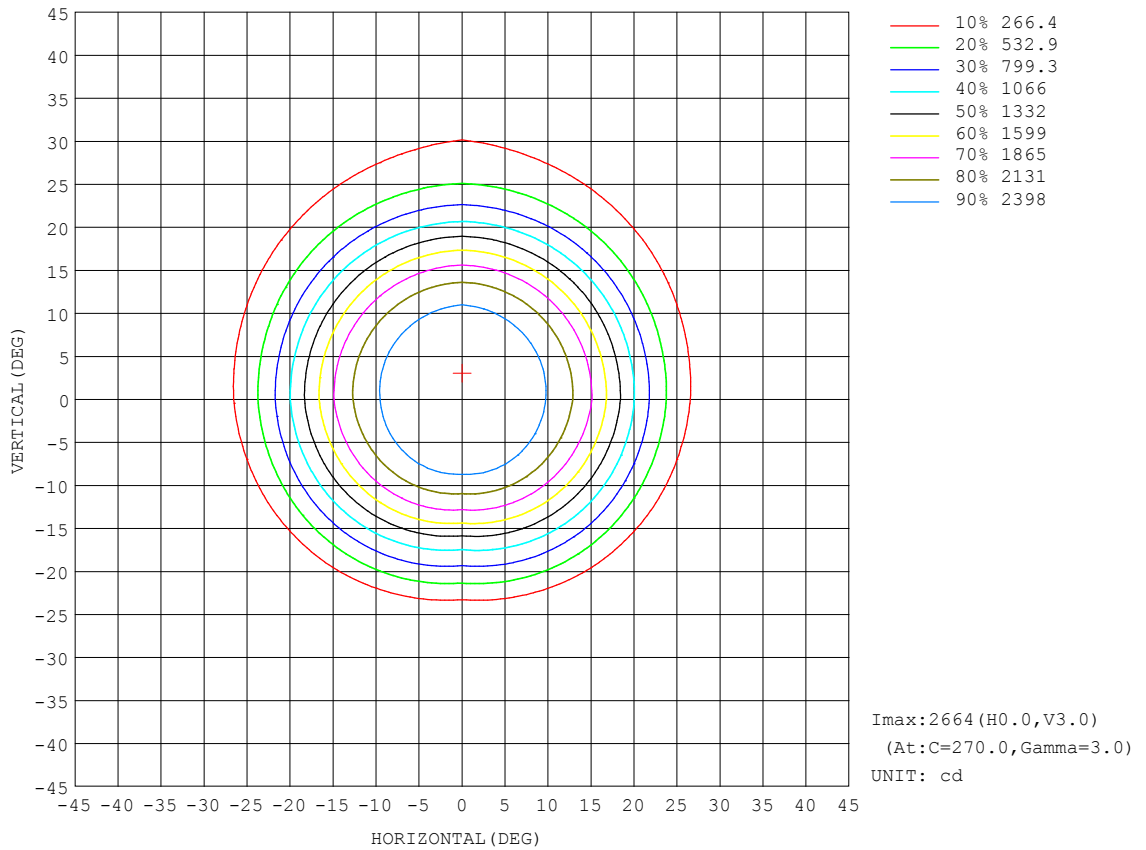
one-half-peak spread: U:18.9,D:16.0 , L:18.5,R:18.6 NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:25 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**

Test:U:12.16V I:1.192A P:13.45W PF:0.9279 Freq:59.98Hz Lamp Flux:989.32x1 lm		
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SPEC.:15W 3000K 40°LENS	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:DOWN-LIGHT SHROUD

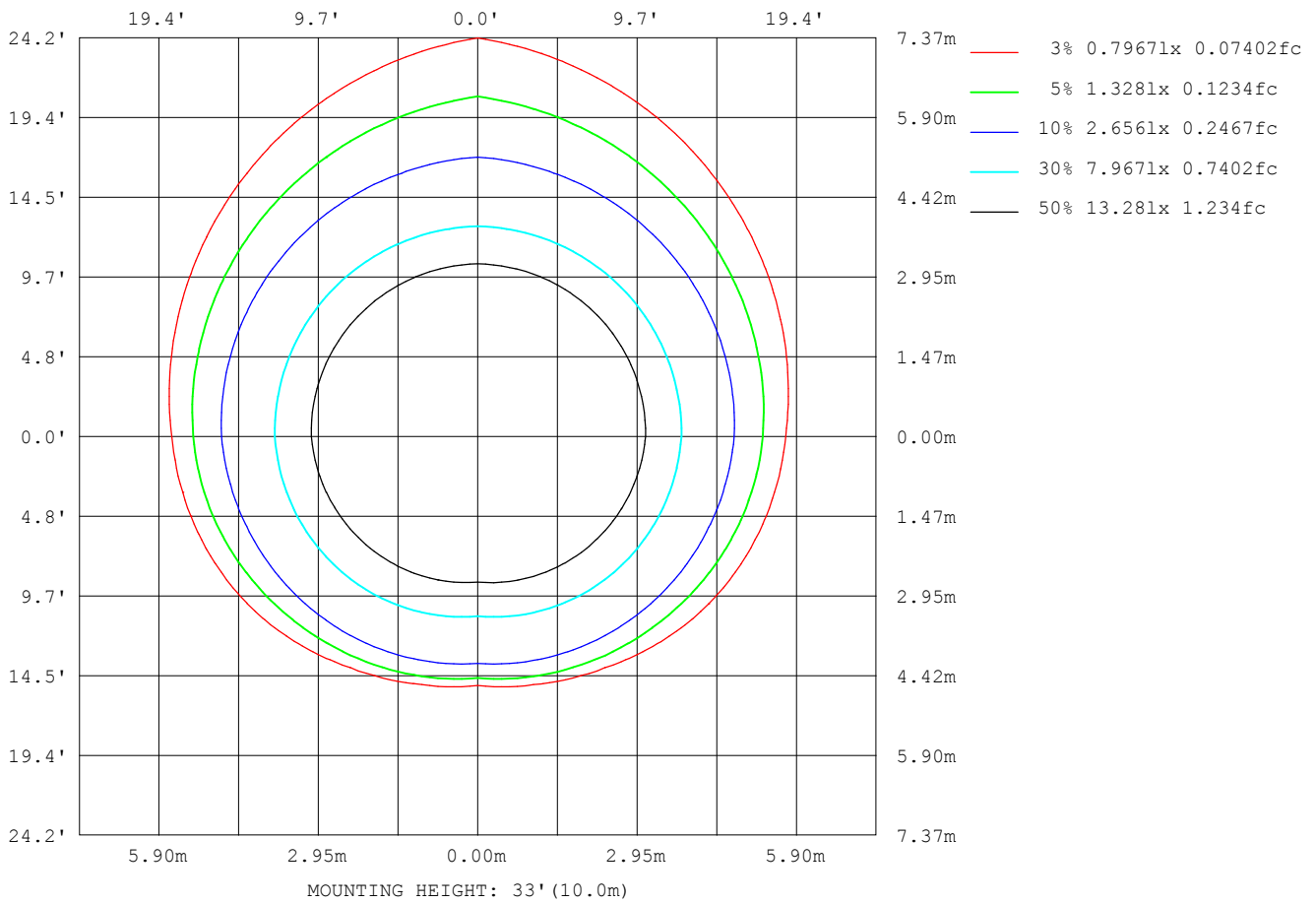


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 H(β) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ADMIN  
 Test Date:25 May 2022

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:

**ISOLUX DIAGRAM**

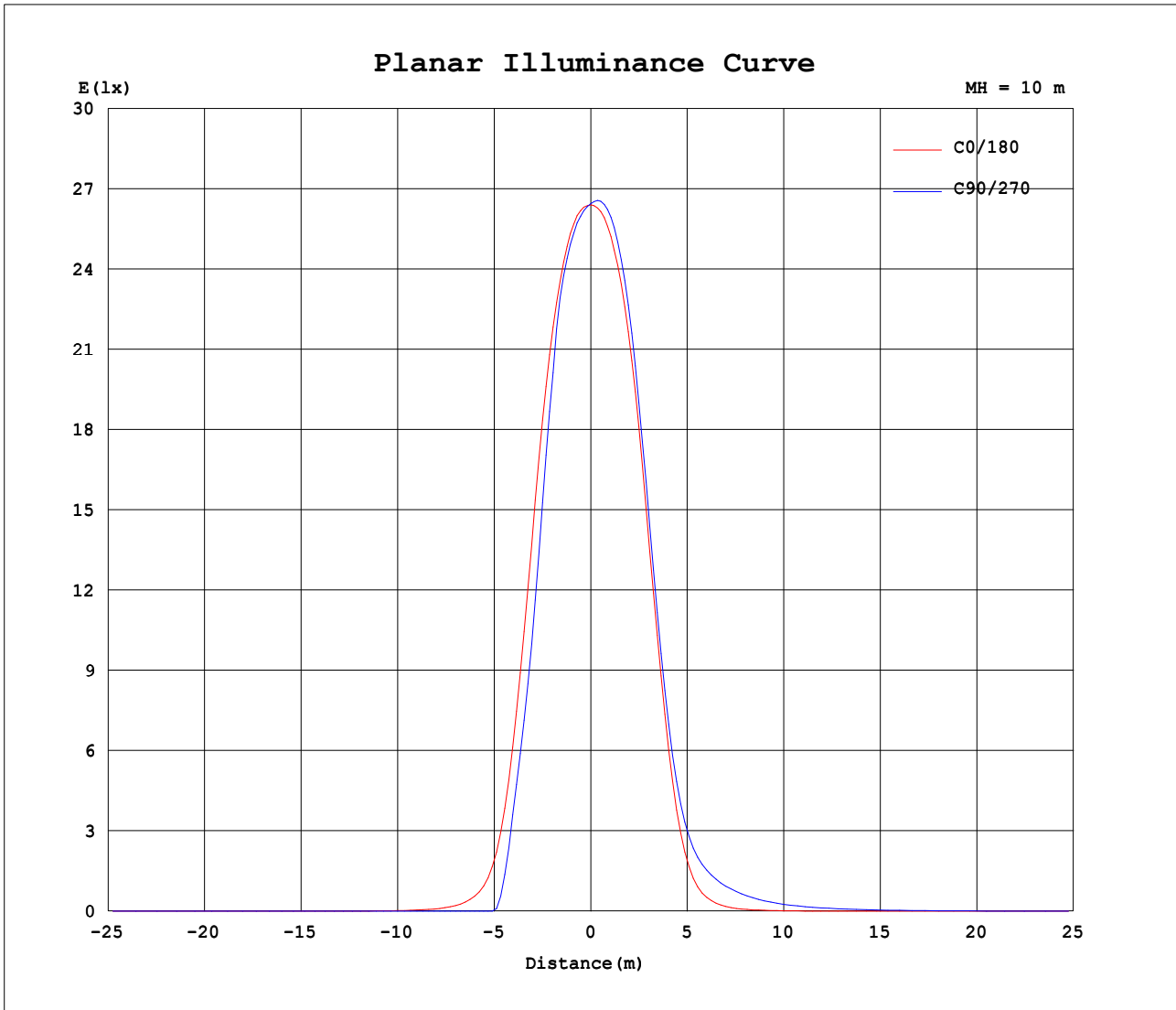
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Temperature:25.3DEG  
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Test Date:25 May 2022

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V(B) Interval: 0.5DEG  
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Remarks:

Planar Illuminance Curve

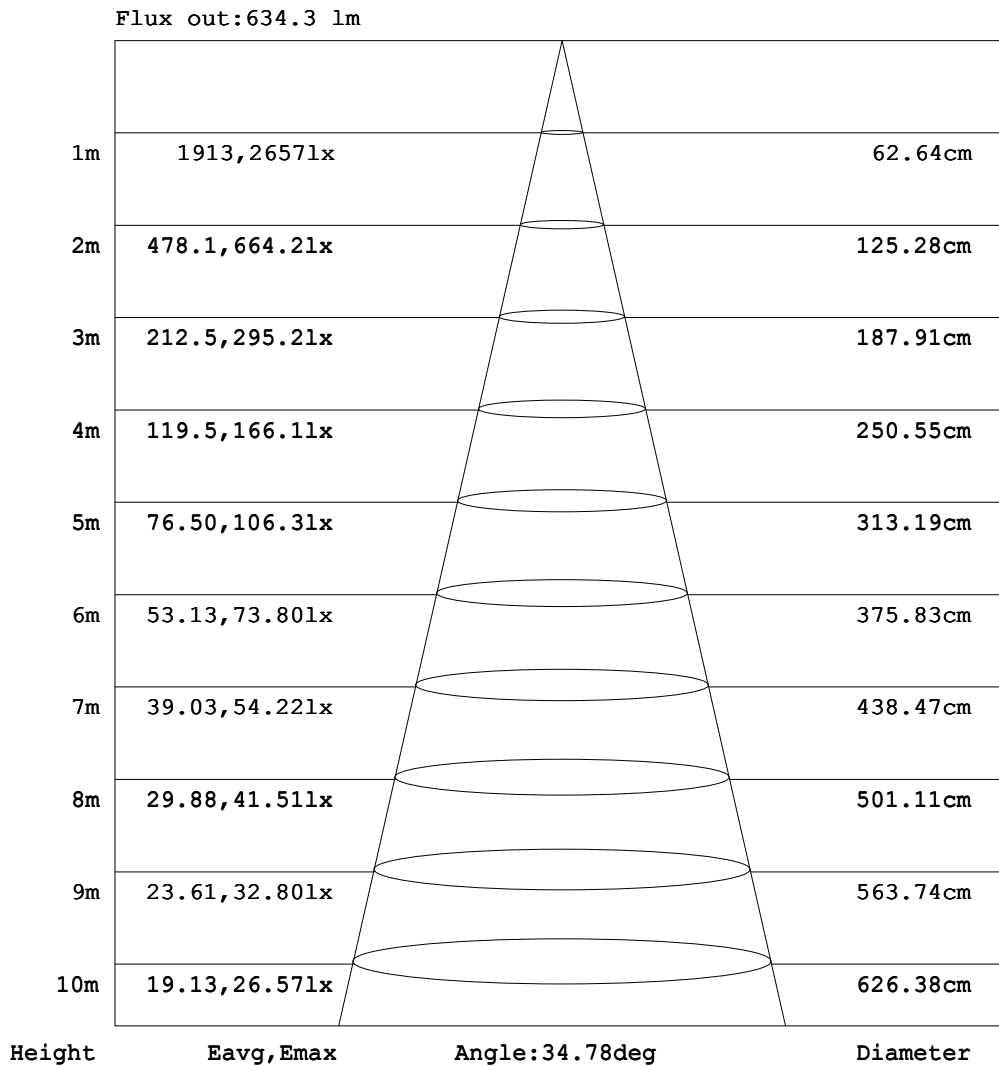


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Remarks:

**AAI Figure**

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NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:15W 3000K 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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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:12.16V I:1.192A P:13.45W PF:0.9279 Freq:59.98Hz Lamp Flux:989.32x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
SPEC.:15W 3000K 40°LENS	DIM.:	SERIAL No.:1
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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	0.00	0.10	0.63	1.75	3.47	5.67	8.09	10.3	12.1	13.4	14.5	15.0
-170	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.07	0.20	0.77	1.89	3.62	5.82	8.25	10.6	12.6	14.0	14.8	15.4
-160	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.12	0.23	0.64	1.51	2.88	4.66	6.71	8.83	10.8	12.5	13.8	14.6
-150	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.12	0.22	0.42	0.90	1.72	2.85	4.24	5.71	7.16	8.45	9.48	10.2
-140	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.10	0.17	0.29	0.47	0.78	1.29	1.96	2.71	3.50	4.23	4.83	5.24
-130	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.07	0.11	0.18	0.26	0.38	0.52	0.72	0.95	1.20	1.47	1.69	1.86
-120	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.09	0.12	0.17	0.23	0.29	0.35	0.41	0.48	0.54	0.58
-110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.05	0.08	0.10	0.12	0.14	0.15	0.16
-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	0.01	0.06	0.06	0.06	0.07	0.06	0.05	0.04	0.02	0.00
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.10	0.16	0.22	0.27	0.28	0.29	0.28	0.26	0.21	0.15	0.08	0.00
-50	0.00	0.00	0.00	0.00	0.00	0.10	0.20	0.33	0.43	0.52	0.62	0.69	0.71	0.69	0.63	0.52	0.38	0.19	0.00
-40	0.00	0.00	0.00	0.00	0.11	0.22	0.42	0.59	0.80	1.03	1.18	1.34	1.45	1.68	1.98	2.06	1.74	1.00	0.00
-30	0.00	0.00	0.00	0.00	0.16	0.40	0.64	0.94	1.30	1.63	2.05	3.14	5.21	7.93	11.5	15.4	16.1	10.8	0.15
-20	0.00	0.00	0.00	0.03	0.25	0.55	0.91	1.35	1.82	2.48	4.54	9.17	19.0	43.1	93.2	229	506	688	711
-10	0.00	0.00	0.00	0.10	0.30	0.66	1.09	1.68	2.37	3.84	8.86	21.0	60.6	192	634	1244	1812	2156	2280
0	0.00	0.00	0.00	0.13	0.33	0.74	1.21	1.91	2.72	5.00	12.1	32.1	106	393	1060	1850	2366	2590	2641
10	0.00	0.02	0.06	0.21	0.51	1.13	2.15	3.92	6.59	11.4	22.3	44.9	104	284	756	1425	2017	2349	2469
20	0.00	0.04	0.11	0.23	0.61	1.34	2.61	4.93	8.58	14.2	24.4	42.7	74.7	136	258	496	806	1057	1162
30	0.00	0.06	0.16	0.28	0.62	1.31	2.50	4.62	8.22	13.5	21.1	32.8	50.7	75.8	110	152	199	242	270
40	0.00	0.08	0.19	0.34	0.64	1.09	2.03	3.52	6.01	9.91	15.3	22.3	31.2	42.5	56.3	71.7	87.4	102	113
50	0.00	0.09	0.22	0.37	0.56	0.92	1.43	2.33	3.67	5.61	8.41	12.1	16.8	22.2	27.9	33.9	39.7	44.8	48.8
60	0.00	0.10	0.23	0.38	0.57	0.78	1.09	1.45	2.01	2.82	3.89	5.20	6.79	8.57	10.5	12.5	14.6	16.4	17.7
70	0.00	0.11	0.23	0.37	0.54	0.72	0.93	1.15	1.39	1.66	2.00	2.32	2.68	3.12	3.60	4.08	4.54	4.94	5.28
80	0.00	0.11	0.22	0.35	0.48	0.63	0.78	0.94	1.11	1.28	1.47	1.66	1.85	2.04	2.23	2.42	2.61	2.79	2.96
90	0.00	0.10	0.21	0.31	0.42	0.52	0.63	0.73	0.84	0.94	1.05	1.15	1.26	1.36	1.47	1.57	1.68	1.78	1.89
100	0.00	0.10	0.20	0.29	0.38	0.47	0.55	0.62	0.70	0.77	0.84	0.91	0.97	1.04	1.11	1.18	1.25	1.33	1.41
110	0.00	0.09	0.18	0.26	0.33	0.39	0.45	0.50	0.55	0.59	0.63	0.67	0.71	0.75	0.79	0.83	0.88	0.94	0.99
120	0.00	0.09	0.16	0.22	0.27	0.32	0.36	0.39	0.41	0.44	0.46	0.47	0.49	0.50	0.53	0.55	0.57	0.60	0.64
130	0.00	0.07	0.14	0.18	0.22	0.25	0.27	0.29	0.30	0.30	0.31	0.30	0.30	0.28	0.26	0.26	0.26	0.27	0.28
140	0.00	0.06	0.11	0.15	0.17	0.19	0.20	0.21	0.21	0.19	0.17	0.16	0.22	0.32	0.46	0.64	0.76	0.83	0.79
150	0.00	0.05	0.08	0.11	0.13	0.14	0.14	0.14	0.13	0.10	0.21	0.50	1.00	1.70	2.53	3.34	3.99	4.36	4.39
160	0.00	0.03	0.05	0.07	0.08	0.09	0.09	0.08	0.07	0.21	0.69	1.57	2.85	4.42	6.05	7.50	8.65	9.31	9.43
170	0.00	0.02	0.03	0.04	0.04	0.04	0.04	0.04	0.07	0.47	1.35	2.82	4.76	6.94	9.07	10.9	12.1	12.7	12.8
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.63	1.75	3.47	5.67	8.09	10.3	12.1	13.4	14.5	15.0

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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:

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NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot light	WEIGHT:
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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	15.0	14.8	14.4	13.3	11.2	8.74	6.26	4.01	2.21	0.91	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-170	15.3	15.0	14.3	12.8	10.7	8.26	5.89	3.76	2.07	0.87	0.24	0.04	0.02	0.01	0.00	0.00	0.00	0.00
-160	14.2	13.4	12.1	10.4	8.49	6.46	4.51	2.83	1.48	0.62	0.20	0.06	0.03	0.01	0.00	0.00	0.00	0.00
-150	9.82	9.10	8.07	6.81	5.42	3.99	2.70	1.59	0.82	0.32	0.12	0.06	0.03	0.01	0.00	0.00	0.00	0.00
-140	5.03	4.60	3.99	3.28	2.53	1.78	1.15	0.67	0.36	0.17	0.10	0.05	0.02	0.01	0.00	0.00	0.00	0.00
-130	1.75	1.57	1.34	1.08	0.82	0.58	0.39	0.26	0.18	0.11	0.07	0.03	0.01	0.00	0.00	0.00	0.00	0.00
-120	0.54	0.48	0.41	0.35	0.29	0.23	0.17	0.12	0.09	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-110	0.15	0.14	0.12	0.10	0.08	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
-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	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	0.03	0.07	0.09	0.12	0.13	0.14	0.15	0.14	0.13	0.12	0.09	0.06	0.03	0.01	0.00	0.00	0.00	0.00
-60	0.10	0.19	0.26	0.33	0.37	0.39	0.39	0.38	0.35	0.30	0.25	0.19	0.14	0.07	0.02	0.00	0.00	0.00
-50	0.23	0.43	0.59	0.72	0.80	0.83	0.82	0.77	0.68	0.58	0.48	0.36	0.26	0.17	0.07	0.00	0.00	0.00
-40	1.27	2.19	2.61	2.54	2.16	1.76	1.52	1.36	1.19	0.99	0.79	0.59	0.41	0.25	0.13	0.03	0.00	0.00
-30	11.5	17.6	17.7	14.0	9.95	6.59	4.05	2.48	1.87	1.52	1.17	0.85	0.59	0.36	0.19	0.05	0.00	0.00
-20	690	510	231	94.9	47.3	23.1	11.6	5.84	3.01	2.09	1.57	1.13	0.76	0.45	0.25	0.08	0.00	0.00
-10	2162	1826	1257	642	193	66.3	25.7	11.2	4.96	2.71	1.95	1.36	0.88	0.54	0.27	0.09	0.00	0.00
0	2599	2382	1882	1075	397	112	39.0	15.3	6.46	3.19	2.20	1.51	0.97	0.58	0.29	0.10	0.00	0.00
10	2355	2031	1438	763	285	110	49.6	24.6	12.5	6.94	4.19	2.41	1.35	0.74	0.38	0.15	0.02	0.00
20	1059	809	498	260	140	78.9	45.1	25.7	14.8	8.85	5.15	2.83	1.55	0.82	0.45	0.19	0.04	0.00
30	243	200	154	112	77.8	52.0	33.7	21.5	13.7	8.44	4.85	2.71	1.50	0.82	0.47	0.21	0.06	0.00
40	102	87.9	72.2	56.8	43.0	31.5	22.5	15.5	10.1	6.21	3.72	2.20	1.28	0.78	0.47	0.22	0.08	0.00
50	44.8	39.7	33.9	28.0	22.3	16.9	12.3	8.56	5.77	3.83	2.48	1.59	1.07	0.73	0.45	0.22	0.09	0.00
60	16.4	14.6	12.6	10.6	8.66	6.88	5.31	4.00	2.95	2.15	1.60	1.23	0.92	0.64	0.40	0.23	0.10	0.00
70	4.96	4.57	4.13	3.66	3.18	2.76	2.41	2.08	1.78	1.50	1.24	0.99	0.76	0.54	0.37	0.23	0.11	0.00
80	2.79	2.62	2.44	2.25	2.06	1.87	1.67	1.48	1.29	1.11	0.94	0.78	0.63	0.48	0.35	0.22	0.11	0.00
90	1.78	1.68	1.57	1.47	1.36	1.26	1.15	1.05	0.94	0.84	0.73	0.63	0.52	0.42	0.31	0.21	0.10	0.00
100	1.33	1.25	1.18	1.11	1.04	0.97	0.91	0.84	0.77	0.70	0.62	0.55	0.47	0.38	0.29	0.20	0.10	0.00
110	0.94	0.88	0.83	0.79	0.75	0.71	0.67	0.63	0.59	0.55	0.50	0.45	0.39	0.33	0.26	0.18	0.09	0.00
120	0.60	0.57	0.55	0.53	0.50	0.49	0.47	0.46	0.44	0.41	0.39	0.36	0.32	0.27	0.22	0.16	0.09	0.00
130	0.33	0.37	0.40	0.40	0.38	0.35	0.31	0.31	0.30	0.30	0.29	0.27	0.25	0.22	0.18	0.14	0.07	0.00
140	1.02	1.13	1.14	1.03	0.89	0.71	0.53	0.36	0.27	0.21	0.21	0.20	0.19	0.17	0.15	0.11	0.06	0.00
150	4.69	4.63	4.25	3.63	2.88	2.14	1.47	0.90	0.50	0.23	0.14	0.14	0.14	0.13	0.11	0.08	0.05	0.00
160	9.78	9.57	8.83	7.67	6.20	4.66	3.20	2.00	1.05	0.45	0.16	0.09	0.09	0.08	0.07	0.05	0.03	0.00
170	13.2	13.1	12.6	11.3	9.35	7.20	5.08	3.22	1.76	0.74	0.20	0.04	0.04	0.04	0.04	0.03	0.02	0.00
180	15.0	14.8	14.4	13.3	11.2	8.74	6.26	4.01	2.21	0.91	0.25	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:25 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: