

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	542.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	91.1V x 133.4H
	At 50% of Imax	61.4V x 97.0H
	At 90% of Imax	39.3V x 47.5H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	950.1 lumens per klm.
	To 50% of Imax	724.8 lumens per klm.
	To 90% of Imax	176.5 lumens per klm.

Upward LOR	1.5 %
Downward LOR	98.5 %

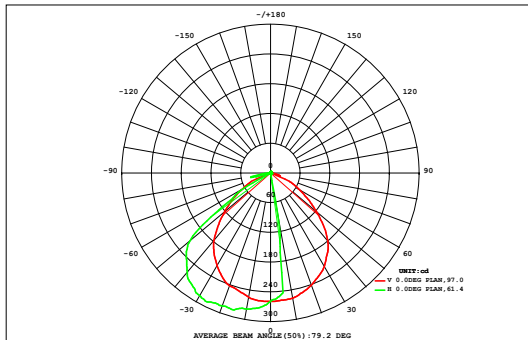
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-03-17

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:12.10V I:0.7759A P:5.995W PF:0.6386 Freq:59.99Hz Lamp Flux:535.083x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Path Light	WEIGHT:
SPEC.:6W 3000K Transparent lattice glass	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:89.26lm/W	
MODEL	A3A3-6W-30K-BZ	Imax (cd)	290.1
NOMINAL POWER (W)	6	AVAILABILITY (%)	94.8
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	507.2
NOMINAL FLUX (lm)	535.083	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	535.1
TEST VOLTAGE (V)	12	θ @50% (H,V)	97,61DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.03	0.01	0.01	0.03	0.04	0.03	0.01	0.01	0.00	0.00	0.00	0.27	0.00
90	0.00	0.00	0.03	0.04	0.03	0.07	0.11	0.08	0.03	0.02	0.07	0.10	0.07	0.05	0.06	0.03	0.01	0.00	0.81	0.00
80	0.00	0.02	0.06	0.01	0.02	0.08	0.07	0.07	0.05	0.04	0.06	0.07	0.08	0.03	0.04	0.08	0.02	0.00	0.80	0.00
70	0.00	0.03	0.03	0.03	0.20	0.35	0.50	0.58	0.26	0.12	0.51	0.49	0.34	0.17	0.02	0.09	0.04	0.00	3.79	0.52
60	0.00	0.05	0.02	0.30	0.75	1.22	1.65	1.80	0.67	0.22	1.55	1.61	1.18	0.71	0.19	0.08	0.06	0.00	12.1	10.4
50	0.00	0.05	0.10	0.73	1.48	2.31	3.05	3.45	1.45	0.53	2.97	3.05	2.29	1.47	0.63	0.14	0.09	0.01	23.8	22.9
40	0.00	0.04	0.26	1.10	2.08	3.23	4.26	4.95	2.86	1.41	4.60	4.21	3.22	2.08	1.06	0.26	0.11	0.01	35.7	35.3
30	0.01	0.03	0.41	1.37	2.63	4.09	5.30	6.13	4.95	3.18	5.96	5.21	4.09	2.64	1.36	0.40	0.11	0.01	47.9	47.5
20	0.01	0.03	0.49	1.58	3.07	4.71	6.02	6.96	7.29	6.90	6.87	5.95	4.70	3.11	1.57	0.49	0.10	0.01	59.8	59.6
10	0.01	0.03	0.52	1.70	3.33	5.08	6.50	7.48	8.09	8.18	7.55	6.47	5.18	3.41	1.69	0.52	0.10	0.01	65.8	65.6
0	0.01	0.04	0.47	1.70	3.36	5.22	6.72	7.83	8.50	8.49	7.85	6.74	5.27	3.42	1.69	0.49	0.11	0.01	67.9	67.7
-10	0.01	0.05	0.36	1.58	3.15	5.01	6.69	7.93	8.61	8.60	7.87	6.72	5.09	3.20	1.55	0.37	0.12	0.01	66.9	66.6
-20	0.00	0.06	0.17	1.36	2.79	4.50	6.15	7.48	8.25	8.22	7.38	6.09	4.51	2.77	1.22	0.23	0.11	0.01	61.3	61.0
-30	0.00	0.06	0.03	0.72	1.93	3.49	4.97	6.31	7.14	7.11	6.33	4.97	3.48	1.92	0.54	0.16	0.08	0.00	49.3	48.7
-40	0.00	0.04	0.08	0.12	0.58	1.18	1.88	2.72	3.57	3.60	2.72	1.86	1.19	0.53	0.08	0.19	0.06	0.00	20.4	19.1
-50	0.00	0.02	0.10	0.03	0.09	0.30	0.27	0.38	0.43	0.42	0.37	0.27	0.29	0.10	0.12	0.14	0.03	0.00	3.37	0.65
-60	0.00	0.00	0.04	0.11	0.14	0.32	0.55	0.73	0.76	0.76	0.72	0.55	0.31	0.19	0.16	0.05	0.01	0.00	5.41	1.63
-70	0.00	0.00	0.00	0.01	0.03	0.10	0.19	0.26	0.31	0.32	0.28	0.21	0.11	0.04	0.01	0.00	0.00	0.00	1.88	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
HORIZONTAL (DEG)																				
Φ t	0.05	0.57	3.16	12.5	25.7	41.3	54.9	65.2	63.2	58.1	63.7	54.6	41.5	25.8	12.0	3.71	1.15	0.08	527	---
Φ a	0.00	0.00	2.44	11.7	24.8	39.9	53.3	63.6	61.5	56.6	62.1	53.0	40.0	24.9	11.0	2.37	0.00	0.00	---	507

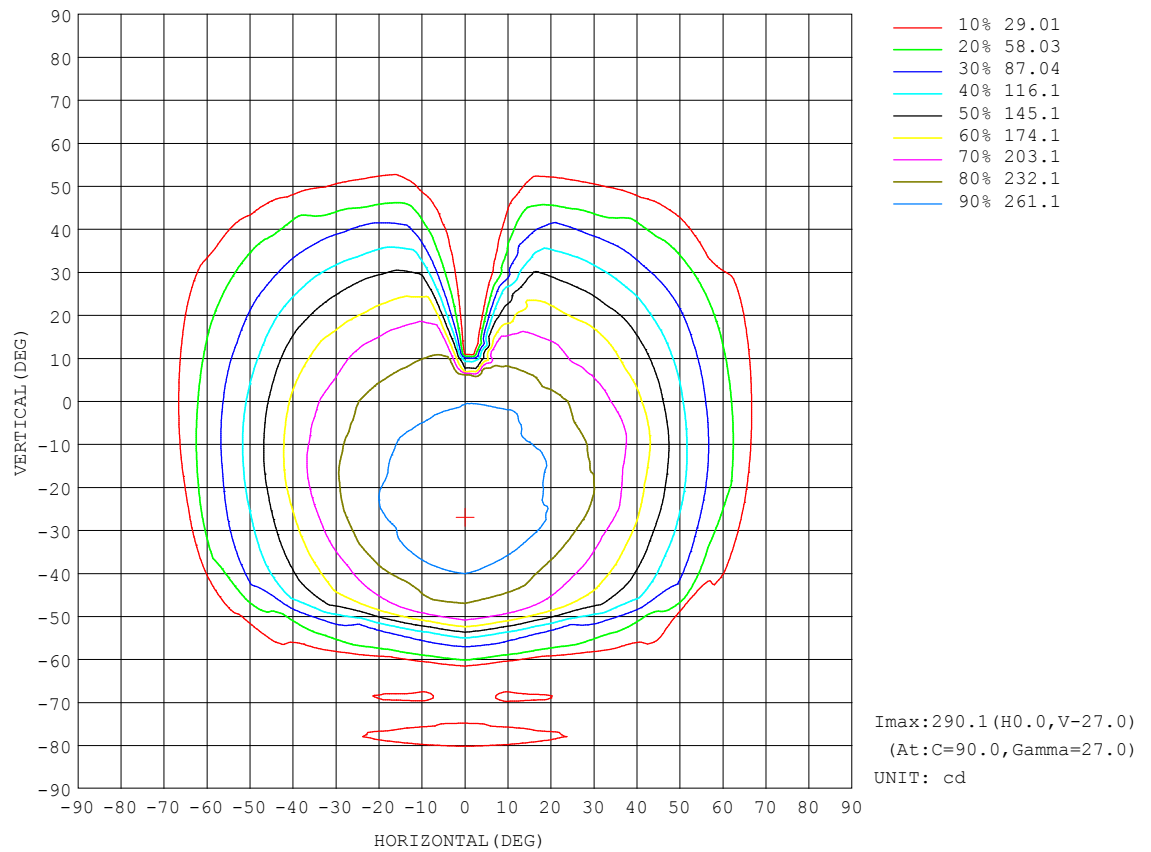
one-half-peak spread: U:26.8,D:17.8 , L:45.6,R:41.2,NEMA Beam Type: Type 7 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-03-17

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:12.10V I:0.7759A P:5.995W PF:0.6386 Freq:59.99Hz Lamp Flux:535.083x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Path Light	WEIGHT:
SPEC.:6W 3000K Transparent lattice glass	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:

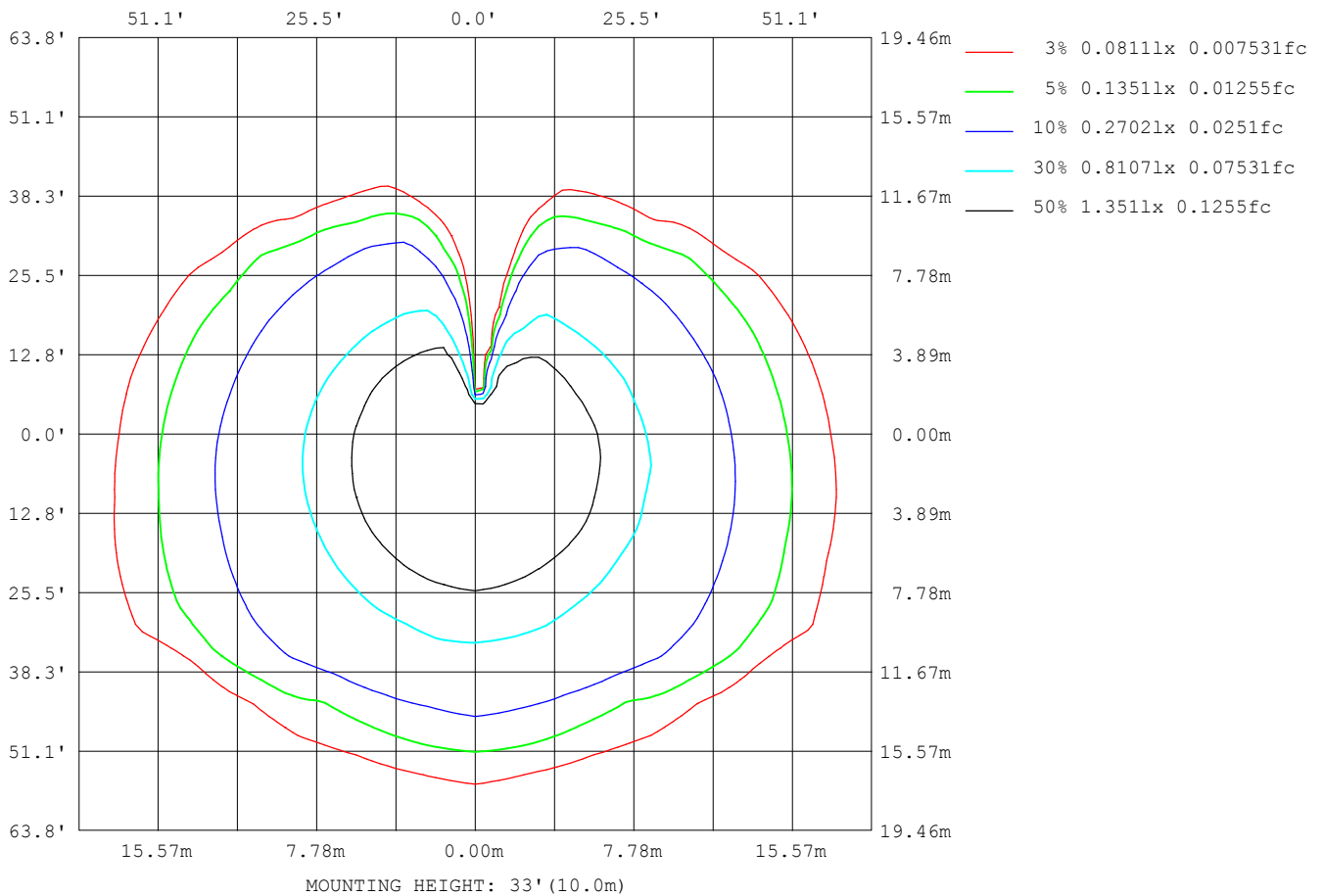


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Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-03-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
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Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

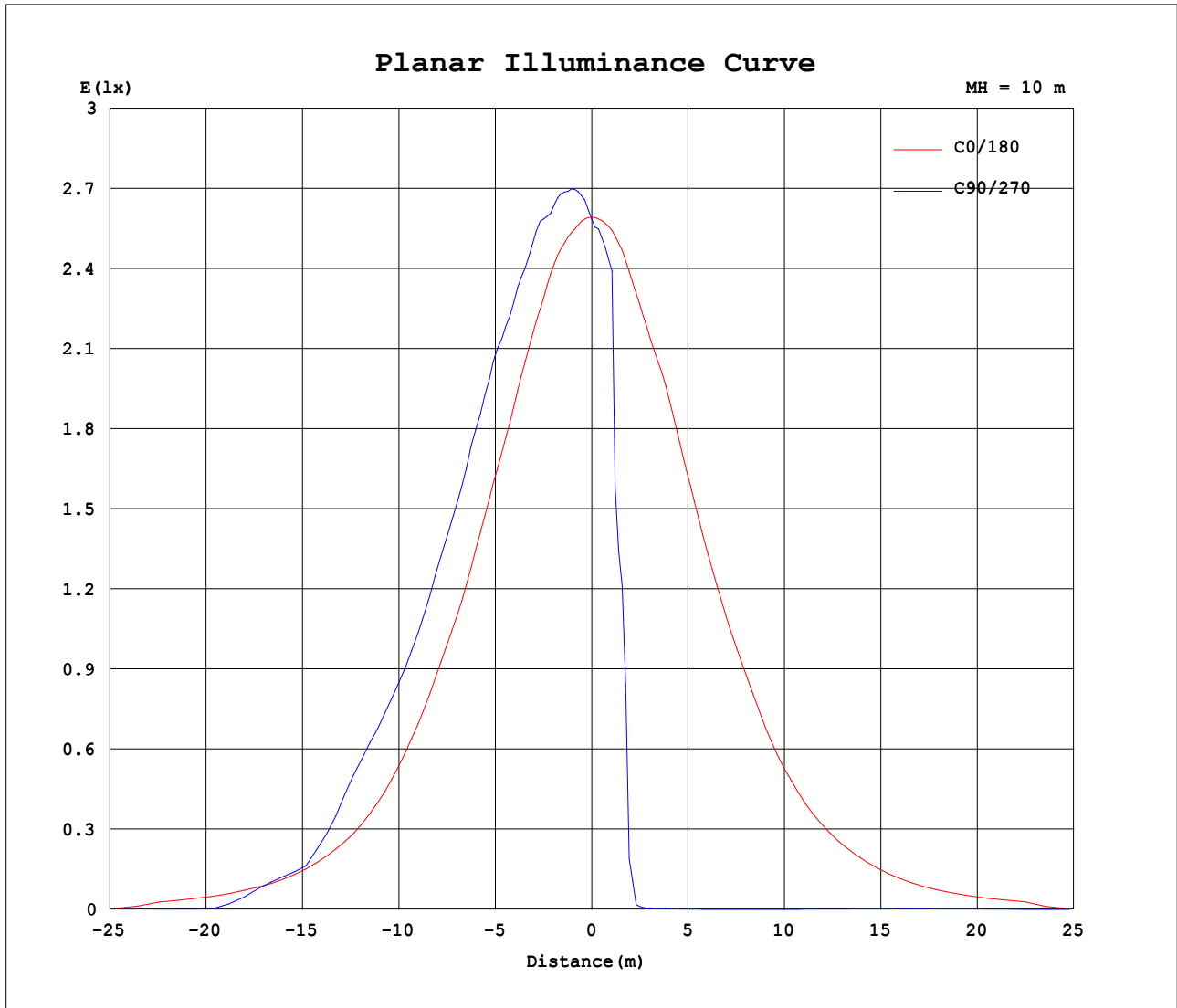
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MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:



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H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-03-17

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

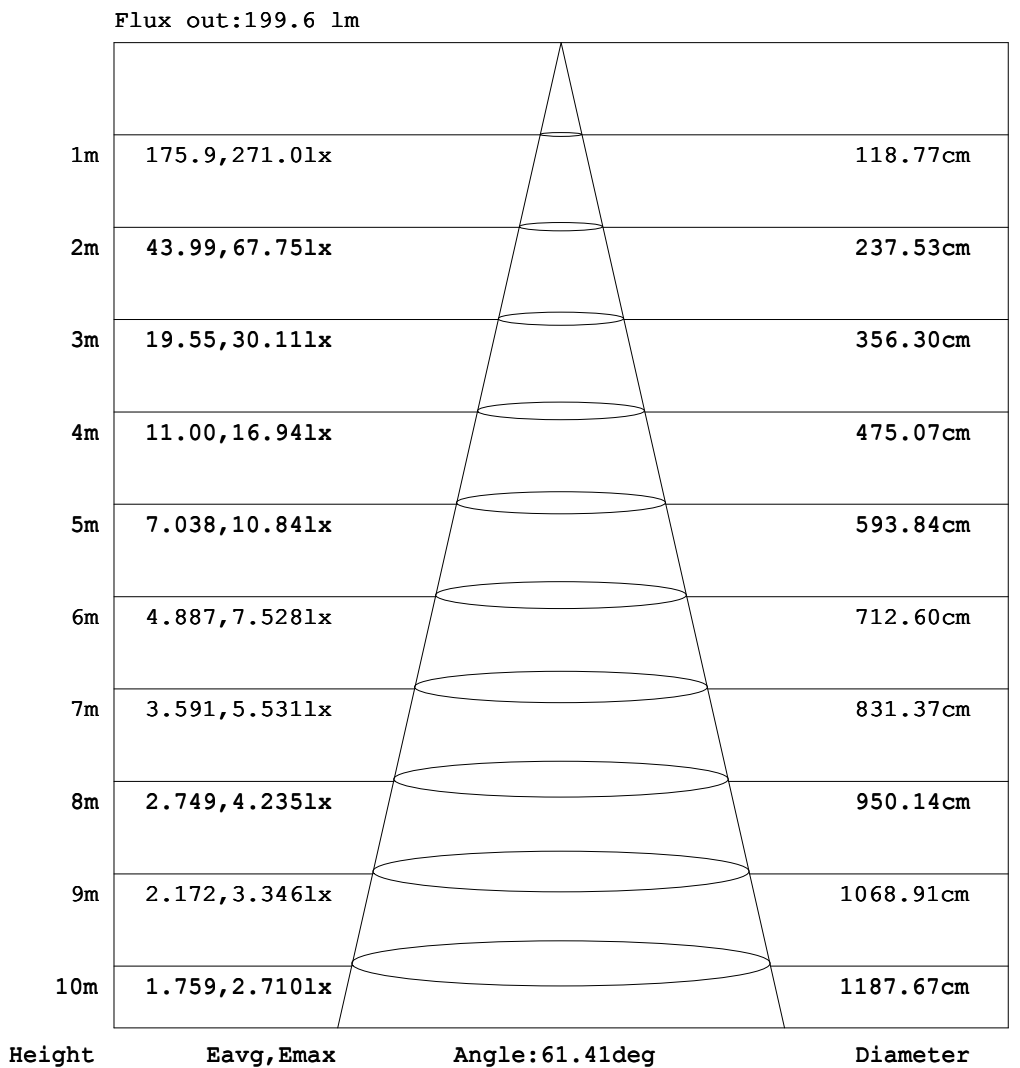


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H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-03-17

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:

AAI Figure

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NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Path Light	WEIGHT:
SPEC.:6W 3000K Transparent lattice glass	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:



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

H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-03-17

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:12.10V I:0.7759A P:5.995W PF:0.6386 Freq:59.99Hz Lamp Flux:535.083x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Path Light	WEIGHT:
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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	0.19	0.03	0.32	0.34	0.55	0.79	1.01	1.26	1.63	1.78	1.99	2.11	2.28	2.42	2.69	2.75	2.93	2.93
-170	0.00	0.21	0.07	0.34	0.47	0.67	0.95	1.22	1.50	1.80	2.07	2.06	2.04	2.06	2.14	2.38	2.43	2.50	2.63
-160	0.00	0.22	0.11	0.28	0.54	0.76	1.01	1.22	1.44	1.56	1.78	1.80	1.73	1.74	1.74	1.98	2.09	2.14	2.23
-150	0.00	0.23	0.21	0.29	0.53	0.70	0.85	1.04	1.23	1.42	1.54	1.58	1.46	1.37	1.38	1.51	1.68	1.68	1.83
-140	0.00	0.24	0.36	0.31	0.54	0.70	0.73	0.89	1.03	1.12	1.25	1.26	1.25	1.15	1.06	1.11	1.13	1.19	1.27
-130	0.00	0.24	0.37	0.27	0.39	0.50	0.77	0.84	0.90	0.89	0.95	1.10	1.17	1.16	1.03	0.92	0.89	0.89	0.93
-120	0.00	0.21	0.37	0.40	0.30	0.52	0.78	0.89	0.84	0.93	1.24	1.42	1.69	1.78	1.56	1.37	1.24	1.15	1.08
-110	0.00	0.17	0.35	0.36	0.30	0.50	0.84	1.08	1.16	1.11	1.12	1.65	2.37	2.47	2.28	2.06	1.84	1.69	1.55
-100	0.00	0.12	0.22	0.24	0.24	0.40	0.58	0.70	0.81	0.89	0.98	1.19	1.44	1.54	1.60	1.55	1.48	1.46	1.42
-90	0.00	0.02	0.03	0.05	0.08	0.10	0.12	0.14	0.17	0.21	0.24	0.28	0.33	0.34	0.36	0.36	0.36	0.37	0.37
-80	0.00	0.01	0.09	0.14	0.28	0.62	1.24	2.36	3.90	6.15	8.67	12.7	17.4	20.5	23.5	25.9	28.0	29.3	30.2
-70	0.00	0.05	0.33	1.07	2.70	5.50	9.48	5.96	0.77	0.56	8.18	13.6	15.5	20.9	22.9	24.3	24.8	16.0	2.42
-60	0.00	0.10	0.96	3.26	7.34	9.82	2.38	0.31	0.47	2.85	8.66	11.5	8.76	12.5	16.8	26.1	39.1	52.0	61.6
-50	0.00	0.21	1.96	6.11	12.0	0.34	0.38	21.2	35.4	53.1	67.6	90.6	109	122	148	172	193	205	212
-40	0.00	0.39	3.16	9.09	3.83	0.30	33.5	63.3	92.4	117	143	167	188	207	226	238	251	258	262
-30	0.00	0.57	4.30	11.8	0.22	5.50	60.0	84.8	110	139	166	192	215	236	252	264	278	283	286
-20	0.00	0.71	5.18	12.5	0.18	32.0	66.6	93.5	122	152	182	209	228	246	260	270	279	285	285
-10	0.00	0.79	5.68	8.17	0.13	47.6	69.3	97.3	127	156	186	209	226	241	252	263	271	276	279
0	0.00	0.80	5.75	6.92	0.05	46.5	67.3	93.6	121	149	179	199	216	231	242	247	254	259	259
10	0.00	0.78	5.51	7.16	0.07	42.9	61.8	84.1	107	132	158	179	194	208	216	223	231	234	87.7
20	0.00	0.69	4.88	10.7	0.06	29.1	52.1	70.6	88.9	110	130	148	161	173	185	192	196	139	0.42
30	0.00	0.54	3.95	10.2	0.04	5.58	35.4	53.2	68.5	82.2	97.5	111	123	133	142	147	138	62.3	0.14
40	0.00	0.35	2.85	7.60	1.53	0.03	16.3	28.0	40.7	52.5	66.2	73.3	82.2	89.1	94.6	92.9	68.8	32.0	0.12
50	0.00	0.18	1.76	5.01	7.32	0.04	0.15	5.67	15.0	20.2	24.2	27.6	30.4	33.4	36.1	36.8	25.8	13.2	0.57
60	0.00	0.06	0.85	2.70	5.42	4.75	0.41	0.07	0.30	1.40	3.51	2.62	3.57	4.60	5.73	6.17	5.14	4.08	2.78
70	0.00	0.01	0.24	0.92	2.15	3.64	4.83	2.27	0.32	0.07	0.71	3.11	4.03	4.58	4.00	2.93	1.55	0.98	0.55
80	0.00	0.00	0.00	0.04	0.18	0.51	0.99	1.31	1.51	1.95	2.47	3.22	4.01	4.13	4.12	3.17	2.04	1.07	0.08
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	0.05	0.00	0.03	0.05	0.08	0.11	0.14	0.16	0.17	0.17	0.21	0.26	0.22	0.18	0.15	0.11	0.06	0.01
110	0.00	0.07	0.10	0.12	0.15	0.21	0.30	0.35	0.32	0.33	0.40	0.50	0.65	0.67	0.63	0.58	0.51	0.44	0.36
120	0.00	0.10	0.13	0.14	0.14	0.27	0.39	0.44	0.48	0.57	0.62	0.66	0.81	0.89	0.92	0.93	0.97	0.97	0.93
130	0.00	0.13	0.14	0.05	0.18	0.33	0.45	0.59	0.70	0.80	0.92	1.09	1.25	1.40	1.43	1.50	1.56	1.58	1.56
140	0.00	0.15	0.15	0.04	0.29	0.38	0.57	0.73	0.90	1.05	1.26	1.41	1.54	1.67	1.79	1.86	1.96	1.99	1.98
150	0.00	0.16	0.08	0.11	0.22	0.43	0.66	0.88	1.09	1.31	1.52	1.71	1.89	2.02	2.21	2.42	2.51	2.59	2.57
160	0.00	0.18	0.03	0.14	0.27	0.46	0.71	0.95	1.26	1.44	1.71	1.94	2.14	2.40	2.58	2.85	2.97	2.99	3.03
170	0.00	0.18	0.03	0.27	0.32	0.53	0.77	1.00	1.25	1.53	1.84	2.02	2.26	2.48	2.67	2.93	3.02	3.05	3.10
180	0.00	0.19	0.03	0.32	0.34	0.55	0.79	1.01	1.26	1.63	1.78	1.99	2.11	2.28	2.42	2.69	2.75	2.93	2.93

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H(β) Interval: 0.5DEG
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Operators:ADMIN
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V(B) Range:-180 - 180DEG
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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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NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Path Light	WEIGHT:
SPEC.:6W 3000K Transparent lattice glass	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	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	2.89	2.88	2.78	2.57	2.46	2.38	2.33	2.14	1.99	1.65	1.37	1.10	0.80	0.58	0.51	0.18	0.26	0.00	
-170	2.61	2.69	2.64	2.27	2.17	2.18	2.17	2.14	1.85	1.57	1.32	1.08	0.80	0.60	0.47	0.20	0.27	0.00	
-160	2.16	2.20	2.11	1.82	1.87	1.88	1.93	1.82	1.57	1.43	1.19	0.97	0.76	0.59	0.34	0.21	0.28	0.00	
-150	1.68	1.71	1.65	1.46	1.49	1.54	1.61	1.58	1.42	1.21	1.04	0.87	0.67	0.50	0.32	0.27	0.28	0.00	
-140	1.13	1.12	1.12	1.08	1.22	1.30	1.31	1.25	1.08	0.99	0.91	0.73	0.64	0.52	0.27	0.39	0.28	0.00	
-130	0.88	0.87	0.92	0.98	1.07	1.11	1.06	0.91	0.87	0.95	0.84	0.71	0.46	0.34	0.24	0.40	0.26	0.00	
-120	1.13	1.21	1.32	1.50	1.75	1.70	1.38	1.30	0.98	0.83	0.85	0.73	0.44	0.28	0.39	0.37	0.23	0.00	
-110	1.76	1.97	2.22	2.49	2.74	2.59	1.71	1.10	1.13	1.17	0.99	0.73	0.44	0.30	0.35	0.34	0.18	0.00	
-100	1.38	1.34	1.35	1.34	1.32	1.27	1.06	0.89	0.87	0.82	0.64	0.49	0.37	0.23	0.23	0.20	0.14	0.00	
-90	0.36	0.35	0.35	0.34	0.32	0.29	0.24	0.20	0.18	0.16	0.13	0.11	0.08	0.06	0.04	0.03	0.02	0.00	
-80	29.3	28.1	26.1	23.8	21.2	18.3	12.9	8.29	6.74	5.11	3.51	2.23	1.27	0.67	0.35	0.17	0.01	0.00	
-70	17.0	26.3	24.7	23.1	21.6	16.8	13.6	9.32	3.39	6.22	13.8	11.8	7.23	3.91	1.86	0.68	0.19	0.00	
-60	51.0	37.3	24.6	15.4	12.4	9.32	10.1	8.90	3.60	0.46	2.46	10.7	14.9	9.20	4.58	1.67	0.38	0.00	
-50	206	194	173	149	124	110	90.8	70.3	52.9	20.6	9.38	1.63	21.5	14.8	7.74	3.03	0.60	0.00	
-40	256	248	237	222	206	187	167	142	114	90.2	51.3	30.8	2.05	19.6	10.8	4.42	0.90	0.00	
-30	285	275	266	252	235	215	194	169	139	110	81.2	47.5	8.45	21.5	13.5	5.65	1.18	0.00	
-20	286	278	269	257	246	232	210	185	154	123	92.8	66.0	38.2	6.93	15.4	6.57	1.40	0.00	
-10	277	272	262	253	241	227	213	192	162	126	96.8	69.3	47.2	1.58	16.4	7.06	1.53	0.00	
0	258	257	249	241	230	218	200	180	152	121	92.4	66.7	45.6	0.20	16.3	7.09	1.57	0.00	
10	162	221	221	214	200	192	178	159	135	108	83.0	60.8	41.6	2.07	15.5	6.80	1.50	0.00	
20	63.5	161	187	182	172	163	149	130	109	90.1	69.0	49.4	26.8	8.87	13.8	6.11	1.35	0.00	
30	8.22	81.0	136	141	132	122	111	96.7	82.5	67.5	52.0	29.7	4.76	17.6	11.5	5.09	1.12	0.00	
40	5.14	43.5	81.4	93.7	88.3	80.3	71.9	64.5	51.1	37.8	18.7	13.9	2.75	13.1	8.81	3.87	0.83	0.00	
50	4.36	15.7	33.5	35.4	33.3	30.3	27.4	23.5	19.4	5.51	2.49	0.63	8.81	9.87	6.07	2.61	0.54	0.00	
60	2.82	3.53	5.75	5.62	4.33	3.30	2.33	3.49	1.63	0.33	0.32	3.14	8.29	6.19	3.56	1.38	0.30	0.00	
70	0.64	0.90	2.35	3.58	4.22	3.97	3.55	1.87	0.64	1.89	5.53	5.65	4.27	2.82	1.45	0.51	0.11	0.00	
80	0.64	1.21	2.73	4.04	4.18	4.18	3.51	2.89	2.29	1.76	1.67	1.38	0.89	0.53	0.18	0.01	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	0.05	0.09	0.12	0.16	0.22	0.26	0.21	0.15	0.15	0.14	0.11	0.06	0.02	0.01	0.00	0.00	0.06	0.00	
110	0.41	0.46	0.54	0.63	0.69	0.66	0.52	0.42	0.35	0.31	0.28	0.24	0.15	0.09	0.06	0.03	0.09	0.00	
120	0.95	0.95	0.90	0.89	0.87	0.80	0.67	0.62	0.54	0.44	0.38	0.31	0.21	0.10	0.13	0.09	0.11	0.00	
130	1.59	1.56	1.50	1.44	1.39	1.23	1.08	0.90	0.77	0.63	0.54	0.42	0.30	0.16	0.05	0.16	0.13	0.00	
140	2.01	1.97	1.91	1.87	1.73	1.60	1.45	1.25	1.02	0.84	0.70	0.55	0.37	0.27	0.04	0.20	0.17	0.00	
150	2.57	2.46	2.38	2.17	2.03	1.89	1.71	1.49	1.27	1.07	0.86	0.65	0.44	0.24	0.14	0.17	0.20	0.00	
160	3.00	2.98	2.82	2.55	2.37	2.09	1.91	1.70	1.44	1.27	0.95	0.74	0.50	0.37	0.22	0.15	0.22	0.00	
170	3.07	3.08	2.97	2.60	2.43	2.21	2.00	1.81	1.53	1.31	1.13	0.91	0.67	0.47	0.40	0.16	0.24	0.00	
180	2.89	2.88	2.78	2.57	2.46	2.38	2.33	2.14	1.99	1.65	1.37	1.10	0.80	0.58	0.51	0.18	0.26	0.00	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-03-17

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: