

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	376.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	161.6V x 161.8H
	At 50% of Imax	107.9V x 110.0H
	At 90% of Imax	23.0V x 31.9H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	977.2 lumens per klm.
	To 50% of Imax	663.3 lumens per klm.
	To 90% of Imax	29.1 lumens per klm.

Upward LOR	0.9 %
Downward LOR	99.1 %

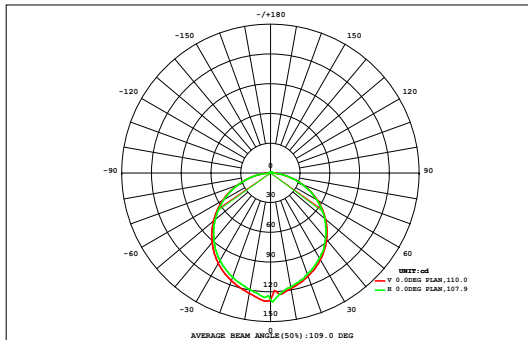
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-03-19

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:12.08V I:0.8998A P:7.977W PF:0.7336 Freq:59.98Hz Lamp Flux:349.81lx1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Brass Path Light	WEIGHT:
SPEC.:8W 2700K	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:Maximum beam angle



DATA OF LAMP		Eff:43.85lm/W	
MODEL	A6B1-8W-27K-A	Imax (cd)	131.6
NOMINAL POWER (W)	8	AVAILABILITY (%)	97.8
RATED VOLTAGE (V)	12	Avai. FLUX(lm)	342.0
NOMINAL FLUX(lm)	349.811	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	349.8
TEST VOLTAGE (V)	12	θ @50% (H,V)	110,108DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.02	0.04	0.07	0.09	0.12	0.13	0.15	0.15	0.13	0.10	0.09	0.07	0.05	0.02	0.01	0.00	1.24	0.12
90	0.00	0.03	0.10	0.21	0.34	0.48	0.60	0.69	0.74	0.74	0.63	0.51	0.45	0.34	0.22	0.08	0.03	0.01	6.21	5.45
80	0.01	0.06	0.20	0.40	0.64	0.89	1.11	1.26	1.34	1.33	1.14	0.97	0.83	0.63	0.40	0.19	0.05	0.01	11.5	11.2
70	0.01	0.10	0.30	0.59	0.94	1.29	1.59	1.80	1.90	1.88	1.70	1.39	1.10	0.90	0.58	0.30	0.10	0.01	16.5	16.4
60	0.01	0.13	0.39	0.77	1.21	1.65	2.03	2.28	2.40	2.38	2.14	1.67	1.45	1.15	0.74	0.38	0.13	0.02	20.9	20.9
50	0.02	0.16	0.47	0.92	1.44	1.96	2.41	2.71	2.84	2.79	2.52	2.05	1.78	1.36	0.88	0.46	0.16	0.02	24.9	24.9
40	0.02	0.18	0.53	1.04	1.62	2.21	2.72	3.06	3.18	3.12	2.78	2.27	2.02	1.53	0.99	0.52	0.18	0.02	28.0	28.0
30	0.02	0.19	0.57	1.11	1.74	2.39	2.95	3.35	3.48	3.36	2.92	2.55	2.24	1.65	1.07	0.56	0.19	0.02	30.4	30.3
20	0.02	0.20	0.59	1.15	1.80	2.46	3.06	3.52	3.78	3.51	3.07	2.85	2.34	1.72	1.11	0.58	0.20	0.02	32.0	31.9
10	0.02	0.20	0.59	1.14	1.79	2.44	3.02	3.45	3.71	3.68	3.37	2.92	2.36	1.73	1.11	0.58	0.20	0.02	32.3	32.3
0	0.02	0.19	0.57	1.10	1.71	2.33	2.88	3.27	3.49	3.49	3.25	2.83	2.29	1.68	1.08	0.56	0.20	0.02	31.0	30.9
-10	0.02	0.18	0.52	1.02	1.59	2.16	2.66	3.03	3.23	3.23	3.03	2.64	2.14	1.56	1.00	0.52	0.18	0.02	28.7	28.7
-20	0.02	0.15	0.46	0.90	1.41	1.92	2.37	2.70	2.89	2.89	2.70	2.36	1.91	1.40	0.89	0.46	0.16	0.02	25.6	25.5
-30	0.01	0.13	0.38	0.75	1.18	1.61	2.00	2.28	2.44	2.44	2.29	2.00	1.62	1.18	0.75	0.39	0.13	0.02	21.6	21.5
-40	0.01	0.10	0.29	0.58	0.91	1.26	1.56	1.80	1.92	1.93	1.81	1.58	1.27	0.92	0.59	0.30	0.10	0.01	16.9	16.8
-50	0.01	0.06	0.19	0.39	0.62	0.87	1.08	1.25	1.34	1.34	1.26	1.10	0.88	0.64	0.40	0.19	0.05	0.01	11.7	11.5
-60	0.00	0.03	0.10	0.20	0.32	0.46	0.58	0.67	0.72	0.73	0.68	0.59	0.47	0.34	0.20	0.07	0.03	0.01	6.22	5.49
-70	0.00	0.01	0.02	0.04	0.06	0.08	0.09	0.11	0.12	0.12	0.11	0.10	0.09	0.07	0.04	0.02	0.01	0.00	1.07	0.04
-80	0.00	0.01	0.02	0.04	0.06	0.08	0.09	0.11	0.12	0.12	0.11	0.10	0.09	0.07	0.04	0.02	0.01	0.00	1.07	0.04
-90	0.00	0.01	0.02	0.04	0.06	0.08	0.09	0.11	0.12	0.12	0.11	0.10	0.09	0.07	0.04	0.02	0.01	0.00	1.07	0.04
HORIZONTAL (DEG)																				
Φ t	0.23	2.11	6.30	12.3	19.4	26.6	32.8	37.4	39.7	39.1	35.5	30.5	25.3	18.9	12.1	6.18	2.11	0.26	347	---
Φ a	0.01	1.74	5.98	12.0	19.1	26.3	32.6	37.2	39.5	38.9	35.3	30.2	25.0	18.6	11.8	5.93	1.79	0.02	---	342

one-half-peak spread: U:51.8,D:43.8 , L:53.9,R:49.8

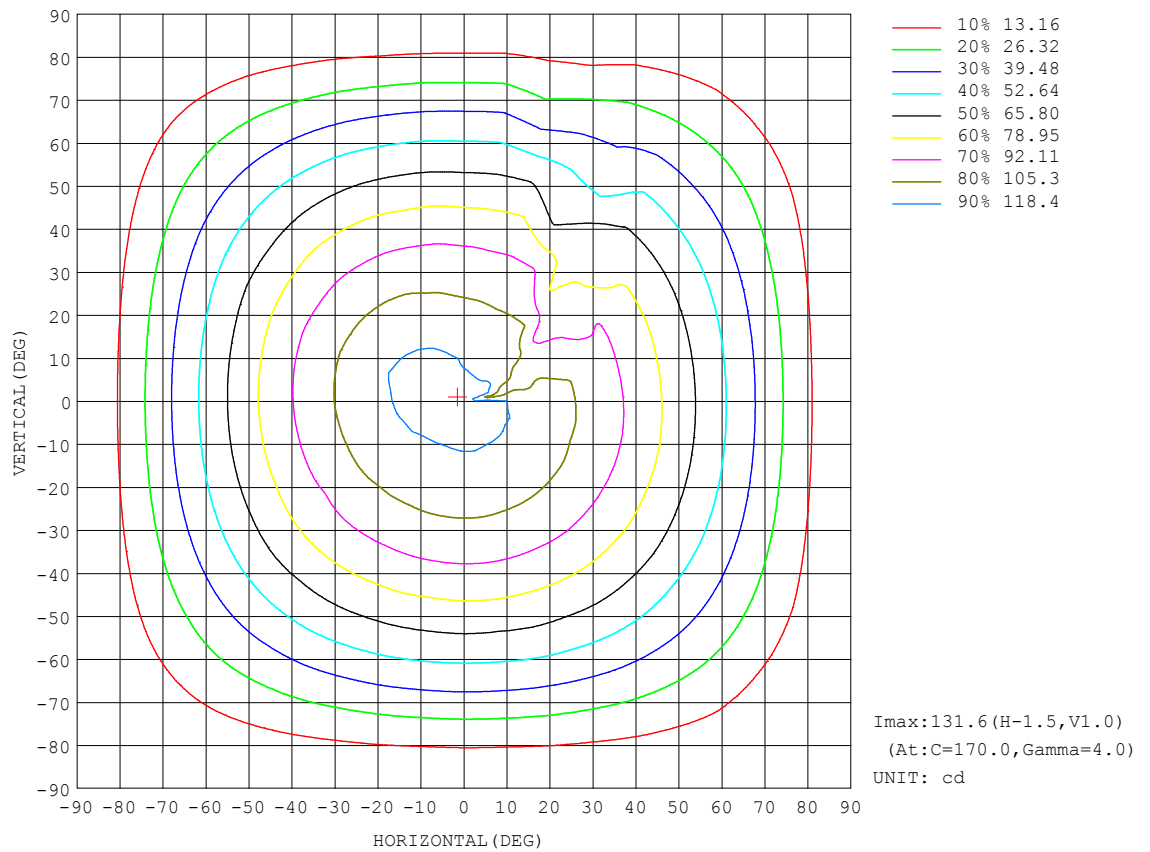
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-03-19

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:12.08V I:0.8998A P:7.977W PF:0.7336 Freq:59.98Hz Lamp Flux:349.81lx1 lm		
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MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:Maximum beam angle

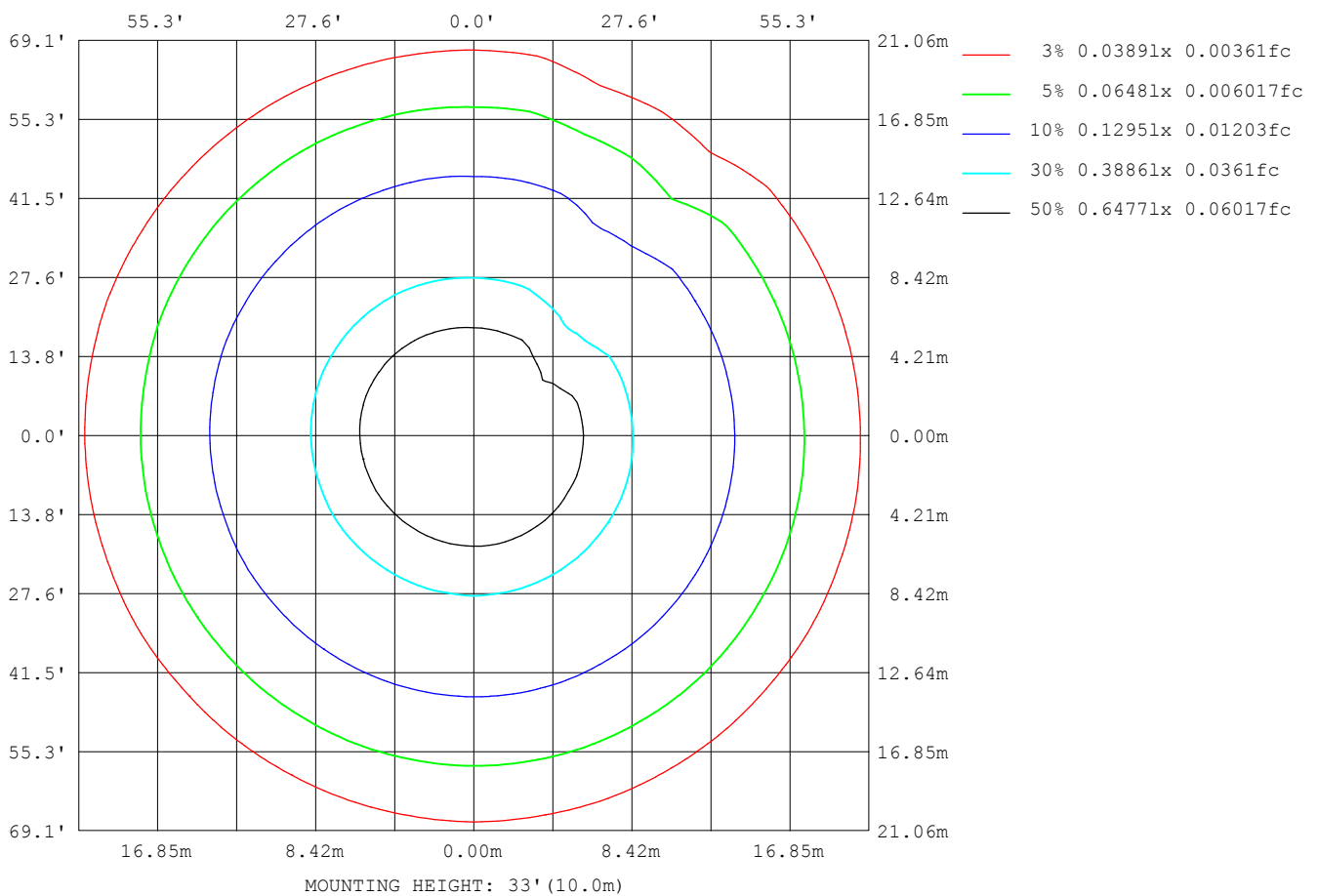


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Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-03-19

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Humidity:65.0%
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Remarks:

ISOLUX DIAGRAM

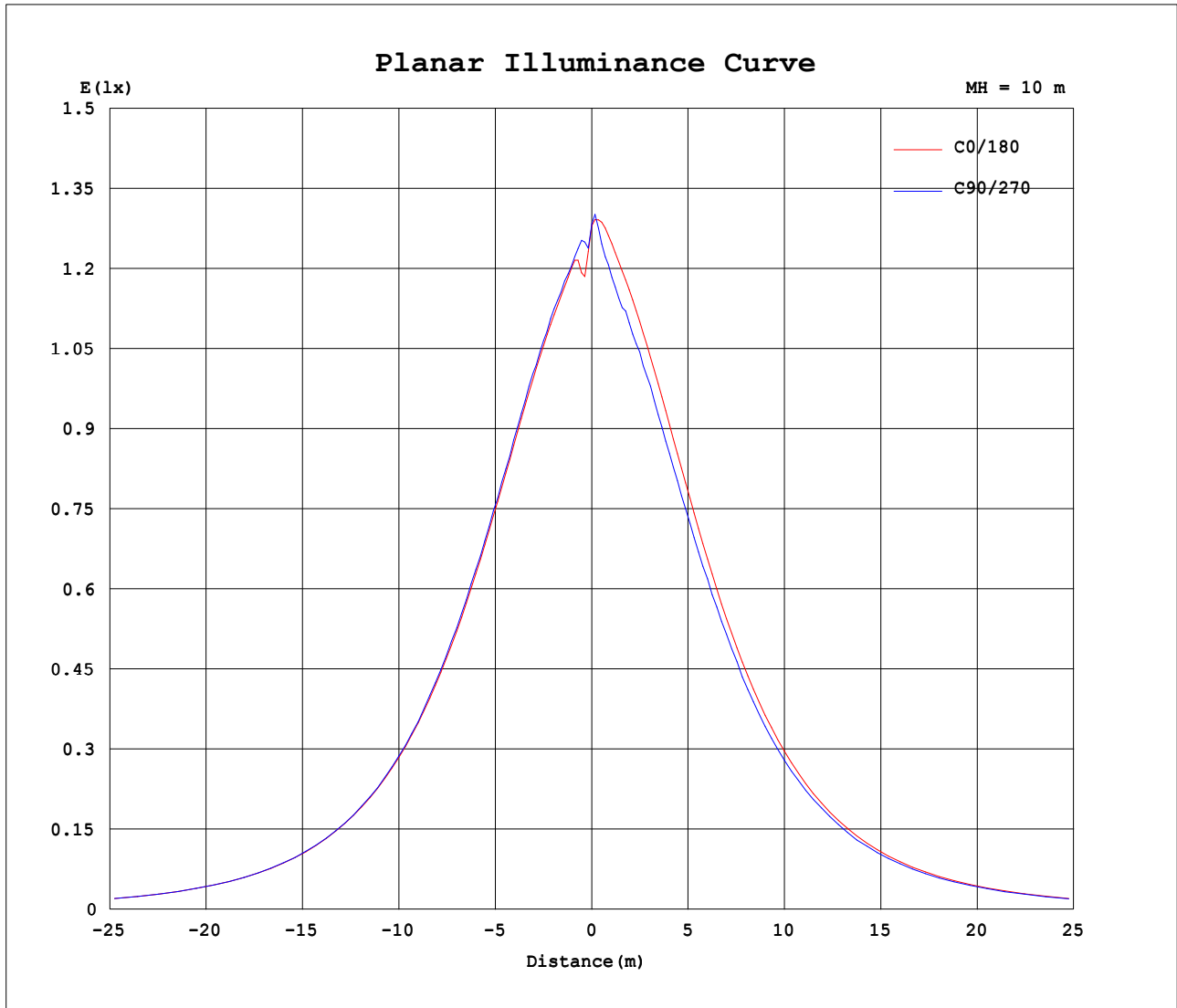
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Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-03-19

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
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Remarks:

Planar Illuminance Curve

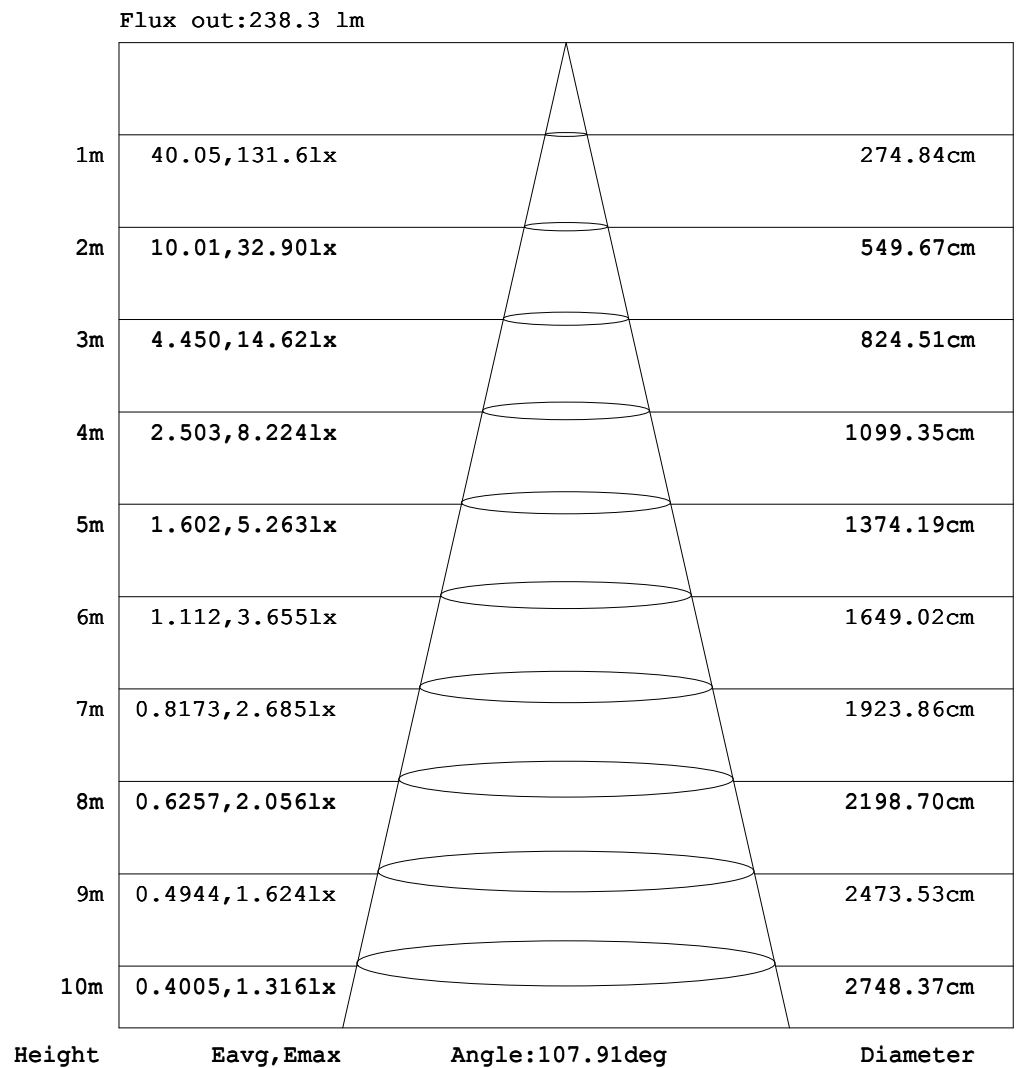


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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
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AAI Figure

Test:U:12.08V I:0.8998A P:7.977W PF:0.7336 Freq:59.98Hz Lamp Flux:349.81lx1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Brass Path Light	WEIGHT:
SPEC.:8W 2700K	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:Maximum beam 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:2026-03-19

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:12.08V I:0.8998A P:7.977W PF:0.7336 Freq:59.98Hz Lamp Flux:349.81lx1 lm		
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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	0.21	0.00	0.00	0.09	0.19	0.29	0.36	0.48	0.56	0.66	0.74	0.82	0.90	0.96	1.04	1.12	1.16	1.21	1.24
-170	0.21	0.01	0.03	0.12	0.24	0.35	0.46	0.58	0.68	0.77	0.81	0.87	0.93	0.95	1.07	1.12	1.15	1.19	1.21
-160	0.21	0.02	0.05	0.15	0.27	0.40	0.50	0.57	0.64	0.67	0.74	0.80	0.88	0.92	0.99	1.04	1.06	1.08	1.13
-150	0.21	0.03	0.07	0.17	0.28	0.36	0.44	0.47	0.58	0.63	0.67	0.74	0.77	0.83	0.89	0.91	0.94	0.93	1.00
-140	0.21	0.04	0.08	0.17	0.23	0.30	0.33	0.42	0.49	0.53	0.59	0.61	0.68	0.72	0.75	0.79	0.80	0.81	0.85
-130	0.21	0.05	0.09	0.14	0.16	0.22	0.29	0.34	0.37	0.42	0.45	0.51	0.55	0.59	0.61	0.64	0.63	0.66	0.71
-120	0.21	0.09	0.10	0.10	0.14	0.14	0.20	0.24	0.27	0.30	0.33	0.37	0.39	0.43	0.46	0.47	0.48	0.50	0.53
-110	0.21	0.15	0.12	0.09	0.07	0.10	0.13	0.15	0.14	0.16	0.20	0.21	0.22	0.27	0.28	0.29	0.29	0.30	0.32
-100	0.21	0.22	0.21	0.13	0.07	0.07	0.08	0.06	0.04	0.06	0.07	0.07	0.07	0.09	0.11	0.12	0.13	0.13	0.13
-90	0.21	0.26	0.31	0.25	0.20	0.18	0.15	0.17	0.19	0.16	0.13	0.14	0.14	0.12	0.10	0.11	0.11	0.09	0.07
-80	0.21	0.34	1.44	2.19	3.23	4.26	5.42	6.45	7.48	8.57	9.65	10.5	11.3	12.1	12.9	13.3	13.7	14.0	14.2
-70	0.21	1.38	3.38	5.60	8.10	10.9	13.8	16.6	19.3	21.9	24.3	26.5	28.4	30.1	31.7	32.8	33.5	34.1	34.4
-60	0.21	2.33	5.52	9.46	13.8	18.4	23.1	27.6	31.8	35.8	39.5	42.9	45.8	48.3	50.5	52.2	53.3	54.2	54.7
-50	0.21	3.13	7.78	13.4	19.5	25.7	32.0	38.1	43.7	49.0	53.6	58.0	61.7	64.9	67.7	69.9	71.4	72.4	73.0
-40	0.21	3.90	9.91	17.1	24.7	32.5	40.0	47.3	54.0	60.3	66.0	71.2	75.7	79.6	82.7	85.5	87.2	88.4	89.2
-30	0.21	4.59	11.7	20.2	29.1	38.0	46.6	54.8	62.6	69.8	76.6	82.2	87.2	91.9	95.3	98.1	100	101	102
-20	0.21	5.12	13.1	22.6	32.4	42.2	51.7	60.7	69.2	76.8	84.1	90.8	96.6	101	105	108	110	111	112
-10	0.21	5.44	14.0	24.0	34.5	44.8	54.8	64.4	73.3	81.7	89.3	96.2	102	108	112	115	117	119	119
0	0.21	5.55	14.3	24.5	35.2	45.8	56.0	65.8	75.1	83.8	91.7	99.0	105	111	116	120	123	128	128
10	0.21	5.44	14.0	24.1	34.6	45.0	55.1	64.8	74.0	82.8	90.4	98.1	104	110	115	118	120	120	117
20	0.21	5.12	13.2	22.7	32.6	42.7	52.4	61.6	70.4	78.5	86.0	92.7	98.7	103	107	110	111	110	109
30	0.21	4.59	11.8	20.3	29.3	38.7	47.7	56.3	64.1	71.8	78.1	84.3	89.3	93.5	96.7	98.9	99.7	99.9	98.9
40	0.21	3.90	9.91	17.2	25.2	33.3	41.2	48.7	55.5	61.9	67.8	73.0	77.3	80.9	83.8	85.5	86.5	87.0	86.4
50	0.21	3.13	7.79	13.6	20.0	26.6	33.0	39.1	44.8	50.4	55.2	59.4	63.0	66.1	68.4	70.1	70.9	71.5	71.6
60	0.21	2.34	5.53	9.64	14.3	19.1	23.8	28.5	32.8	37.0	40.7	44.0	46.9	49.3	51.0	52.4	53.3	53.6	53.4
70	0.21	1.38	3.38	5.77	8.55	11.4	14.3	17.3	20.2	22.9	25.2	27.4	29.5	31.0	32.2	33.2	34.0	34.4	34.3
80	0.21	0.30	1.45	2.33	3.58	4.65	5.76	7.02	8.27	9.34	10.3	11.4	12.3	13.0	13.5	14.1	14.6	14.7	14.7
90	0.21	0.23	0.25	0.18	0.11	0.09	0.06	0.03	0.01	0.02	0.04	0.02	0.00	0.01	0.02	0.01	0.00	0.01	0.01
100	0.21	0.17	0.13	0.04	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	0.00
110	0.21	0.11	0.03	0.00	0.00	0.00	0.00	0.01	0.04	0.05	0.04	0.08	0.12	0.14	0.14	0.15	0.17	0.15	0.12
120	0.21	0.05	0.00	0.00	0.01	0.04	0.05	0.12	0.14	0.18	0.19	0.21	0.27	0.31	0.30	0.30	0.35	0.35	0.33
130	0.21	0.01	0.00	0.00	0.03	0.11	0.15	0.16	0.26	0.32	0.35	0.37	0.44	0.48	0.48	0.48	0.54	0.57	0.57
140	0.21	0.00	0.00	0.00	0.06	0.16	0.23	0.30	0.32	0.42	0.47	0.53	0.59	0.62	0.67	0.68	0.73	0.74	0.73
150	0.21	0.00	0.00	0.01	0.12	0.17	0.30	0.37	0.44	0.49	0.59	0.64	0.71	0.75	0.79	0.84	0.88	0.91	0.89
160	0.21	0.00	0.00	0.04	0.13	0.22	0.32	0.40	0.49	0.59	0.67	0.74	0.79	0.88	0.93	0.95	1.02	1.04	1.05
170	0.21	0.00	0.00	0.07	0.17	0.27	0.34	0.44	0.51	0.61	0.70	0.78	0.88	0.95	1.01	1.08	1.10	1.13	1.19
180	0.21	0.00	0.00	0.09	0.19	0.29	0.36	0.48	0.56	0.66	0.74	0.82	0.90	0.96	1.04	1.12	1.16	1.21	1.23

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Humidity:65.0%
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MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:Maximum beam 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	1.22	1.21	1.19	1.13	1.05	1.03	0.93	0.90	0.79	0.75	0.63	0.58	0.44	0.30	0.19	0.13	0.13	0.38	
-170	1.23	1.19	1.15	1.09	1.05	0.99	0.93	0.90	0.83	0.75	0.65	0.57	0.45	0.32	0.20	0.14	0.14	0.38	
-160	1.10	1.07	1.09	1.05	0.98	0.97	0.91	0.81	0.75	0.69	0.62	0.53	0.43	0.33	0.20	0.14	0.14	0.38	
-150	0.94	0.99	0.93	0.93	0.91	0.87	0.80	0.78	0.72	0.61	0.57	0.46	0.38	0.30	0.20	0.14	0.15	0.38	
-140	0.84	0.83	0.83	0.77	0.79	0.76	0.71	0.65	0.61	0.55	0.47	0.39	0.31	0.25	0.19	0.13	0.16	0.38	
-130	0.67	0.67	0.69	0.65	0.63	0.63	0.59	0.52	0.46	0.44	0.39	0.31	0.26	0.18	0.15	0.13	0.18	0.38	
-120	0.50	0.48	0.50	0.49	0.46	0.45	0.43	0.38	0.32	0.30	0.28	0.22	0.16	0.15	0.13	0.13	0.20	0.38	
-110	0.32	0.32	0.32	0.31	0.30	0.28	0.27	0.24	0.19	0.16	0.16	0.14	0.13	0.11	0.11	0.16	0.23	0.38	
-100	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.10	0.08	0.08	0.09	0.08	0.07	0.08	0.13	0.21	0.29	0.38	
-90	0.09	0.11	0.10	0.09	0.11	0.13	0.13	0.13	0.15	0.16	0.14	0.11	0.11	0.11	0.22	0.33	0.36	0.38	
-80	14.1	13.9	13.7	13.3	12.7	11.9	11.2	10.4	9.31	8.12	6.31	5.14	3.75	2.50	2.43	1.97	0.56	0.38	
-70	34.2	33.8	33.1	32.2	30.7	29.1	27.2	25.0	22.6	20.0	17.4	14.6	8.85	4.34	5.22	4.16	1.93	0.38	
-60	54.4	53.6	52.6	50.8	48.9	46.3	43.5	40.1	36.3	32.5	28.2	23.8	19.1	14.4	8.76	6.37	3.05	0.38	
-50	72.5	71.7	70.2	68.0	65.3	62.1	58.3	53.9	49.2	44.0	38.3	32.5	26.3	20.2	14.1	8.63	3.89	0.38	
-40	88.4	87.3	85.7	82.9	79.6	75.7	71.0	65.9	60.2	53.7	47.4	40.2	32.8	25.2	17.8	10.7	4.70	0.38	
-30	102	101	98.1	95.1	91.4	86.8	81.7	75.7	69.1	62.0	54.5	46.5	38.1	29.5	20.8	12.5	5.40	0.38	
-20	111	110	107	104	99.9	95.2	89.4	82.7	75.5	68.0	59.8	51.1	42.0	32.5	23.0	13.9	5.92	0.38	
-10	119	116	113	110	105	99.9	93.8	87.3	79.8	71.5	62.8	53.8	44.2	34.3	24.3	14.7	6.24	0.38	
0	123	118	115	111	106	101	94.8	88.0	80.6	72.5	63.8	54.6	44.9	34.9	24.8	14.9	6.35	0.38	
10	114	112	96.3	97.2	101	98.3	92.4	86.0	78.7	70.8	62.4	53.5	44.0	34.2	24.3	14.7	6.21	0.38	
20	107	106	101	87.7	87.9	91.2	87.0	81.1	74.4	67.1	59.0	50.6	41.6	32.3	22.9	13.8	5.88	0.38	
30	98.1	96.5	94.3	81.2	77.3	72.2	75.0	73.6	67.6	60.9	53.7	45.9	37.7	29.2	20.6	12.3	5.36	0.38	
40	85.9	84.5	79.8	68.8	67.9	67.7	67.3	64.2	58.6	52.8	46.5	39.8	32.5	25.0	17.6	9.98	4.69	0.38	
50	70.9	69.6	67.7	60.3	55.3	51.3	49.0	50.5	48.2	43.1	37.7	32.1	26.3	20.2	14.0	7.69	3.89	0.38	
60	53.3	52.0	48.2	45.2	43.6	41.1	39.0	38.0	35.7	31.8	27.8	23.5	19.2	14.5	7.93	6.07	3.06	0.38	
70	34.1	33.3	29.6	26.7	26.7	26.5	26.0	24.7	22.5	20.0	17.3	14.6	9.46	4.05	4.89	4.14	1.92	0.38	
80	14.7	14.6	13.3	12.0	11.2	10.4	10.7	10.7	9.75	8.77	7.48	6.25	4.19	2.71	2.39	1.95	0.49	0.38	
90	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.04	0.03	0.05	0.08	0.04	0.00	0.14	0.28	0.33	0.38	
100	0.00	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	0.06	0.16	0.26	0.38	
110	0.15	0.17	0.14	0.12	0.13	0.12	0.08	0.04	0.06	0.05	0.01	0.00	0.00	0.00	0.02	0.08	0.20	0.38	
120	0.35	0.36	0.31	0.30	0.32	0.28	0.22	0.20	0.20	0.15	0.11	0.04	0.04	0.02	0.01	0.05	0.18	0.38	
130	0.57	0.55	0.49	0.49	0.48	0.43	0.38	0.36	0.31	0.25	0.18	0.15	0.10	0.04	0.01	0.04	0.16	0.38	
140	0.75	0.73	0.68	0.68	0.63	0.61	0.55	0.49	0.42	0.34	0.29	0.24	0.16	0.09	0.01	0.05	0.13	0.38	
150	0.92	0.89	0.88	0.80	0.77	0.74	0.66	0.60	0.51	0.45	0.37	0.29	0.19	0.14	0.05	0.07	0.12	0.38	
160	1.07	1.05	0.97	0.95	0.90	0.80	0.76	0.68	0.60	0.52	0.44	0.30	0.26	0.18	0.10	0.09	0.12	0.38	
170	1.20	1.15	1.08	1.05	0.98	0.91	0.81	0.76	0.63	0.61	0.50	0.43	0.37	0.24	0.16	0.11	0.13	0.38	
180	1.22	1.21	1.19	1.13	1.05	1.03	0.93	0.90	0.79	0.75	0.63	0.58	0.44	0.30	0.19	0.13	0.13	0.38	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-03-19

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: