

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	754.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	105.3V x 117.1H
	At 50% of Imax	52.5V x 78.4H
	At 90% of Imax	22.0V x 38.5H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	931.1 lumens per klm.
	To 50% of Imax	575.9 lumens per klm.
	To 90% of Imax	151.3 lumens per klm.

Upward LOR	1.0 %
Downward LOR	99.0 %

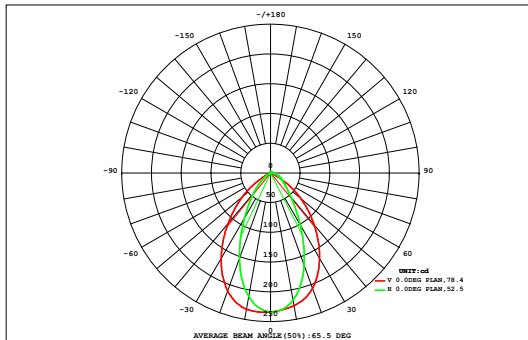
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-02-11

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:12.13V I:0.3952A P:4.469W PF:0.9320 Freq:59.98Hz Lamp Flux:311.29x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Brass Spot Light	WEIGHT:
SPEC.:5W 2700K 60°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:Floodlight Shroud



DATA OF LAMP		Eff:69.66lm/W	
MODEL	F6B1-5W-27K-A	Imax (cd)	234.7
NOMINAL POWER (W)	5	AVAILABILITY (%)	93.1
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	289.8
NOMINAL FLUX (lm)	311.29	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	311.3
TEST VOLTAGE (V)	12	θ @50% (H,V)	78,53DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.01	0.03	0.05	0.07	0.08	0.09	0.09	0.09	0.08	0.06	0.04	0.02	0.00	0.00	0.00	0.71	0.00
90	0.00	0.00	0.00	0.01	0.05	0.11	0.18	0.23	0.27	0.29	0.30	0.28	0.24	0.19	0.13	0.06	0.02	0.00	2.37	0.00
80	0.00	0.00	0.01	0.10	0.22	0.33	0.41	0.48	0.51	0.52	0.49	0.43	0.35	0.24	0.11	0.03	0.00	0.00	4.25	0.00
70	0.00	0.00	0.02	0.16	0.36	0.54	0.67	0.75	0.79	0.80	0.76	0.69	0.56	0.39	0.18	0.04	0.00	0.00	6.75	3.64
60	0.00	0.00	0.04	0.25	0.58	0.89	1.13	1.25	1.28	1.27	1.24	1.13	0.92	0.62	0.28	0.05	0.00	0.00	10.9	10.2
50	0.00	0.00	0.05	0.36	0.88	1.47	1.99	2.27	2.31	2.27	2.19	1.96	1.50	0.95	0.41	0.07	0.00	0.00	18.7	18.2
40	0.00	0.00	0.06	0.49	1.26	2.24	3.25	3.91	4.07	3.96	3.75	3.19	2.29	1.35	0.55	0.09	0.00	0.00	30.5	30.1
30	0.00	0.00	0.07	0.60	1.61	2.98	4.46	5.56	5.93	5.80	5.37	4.40	3.03	1.71	0.68	0.10	0.00	0.00	42.3	42.0
20	0.00	0.00	0.09	0.67	1.82	3.41	5.14	6.46	6.96	6.84	6.28	5.07	3.44	1.92	0.75	0.11	0.00	0.00	49.0	48.6
10	0.00	0.00	0.08	0.65	1.80	3.37	5.09	6.38	6.87	6.75	6.22	5.02	3.41	1.90	0.73	0.10	0.00	0.00	48.4	48.1
0	0.00	0.00	0.06	0.54	1.55	2.86	4.29	5.31	5.64	5.52	5.16	4.26	2.92	1.65	0.63	0.08	0.00	0.00	40.5	40.2
-10	0.00	0.00	0.04	0.38	1.16	2.07	2.96	3.53	3.67	3.60	3.45	2.97	2.14	1.25	0.45	0.05	0.00	0.00	27.7	27.4
-20	0.00	0.00	0.01	0.21	0.74	1.28	1.71	1.93	1.98	1.96	1.92	1.75	1.35	0.82	0.26	0.02	0.00	0.00	16.0	15.5
-30	0.00	0.00	0.00	0.07	0.35	0.65	0.83	0.91	0.94	0.94	0.93	0.86	0.70	0.40	0.10	0.00	0.00	0.00	7.70	5.89
-40	0.00	0.00	0.00	0.01	0.08	0.19	0.26	0.30	0.31	0.32	0.31	0.28	0.22	0.10	0.01	0.00	0.00	0.00	2.39	0.00
-50	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.20	0.00
-60	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
-70	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
-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
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	0.00	0.03	0.63	4.56	12.6	22.5	32.5	39.4	41.7	41.0	38.5	32.4	23.1	13.5	5.23	0.77	0.03	0.00	308	---
Φ a	0.00	0.00	0.00	2.96	11.3	21.2	31.1	37.9	40.1	39.4	37.0	31.0	21.8	12.3	3.75	0.00	0.00	0.00	---	290

one-half-peak spread: U:26.5,D:26.4 , L:35.2,R:43.7

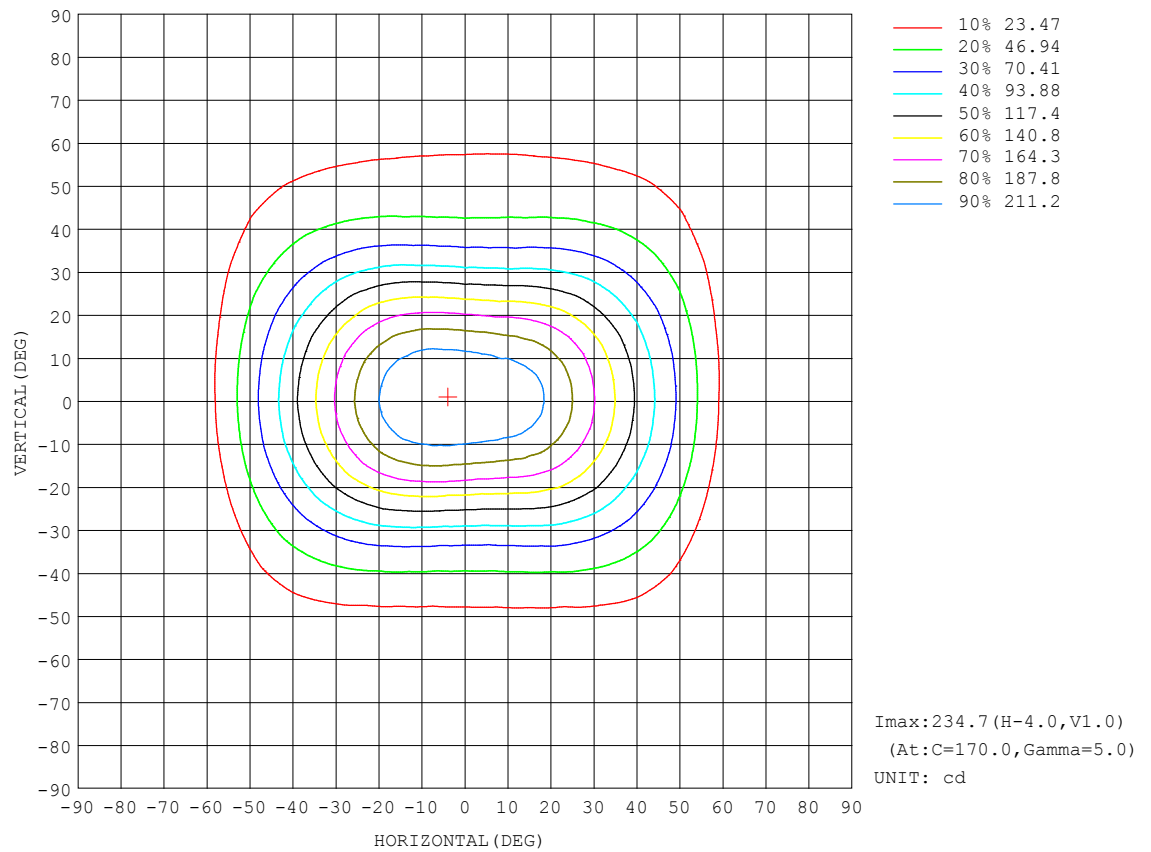
NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-02-11

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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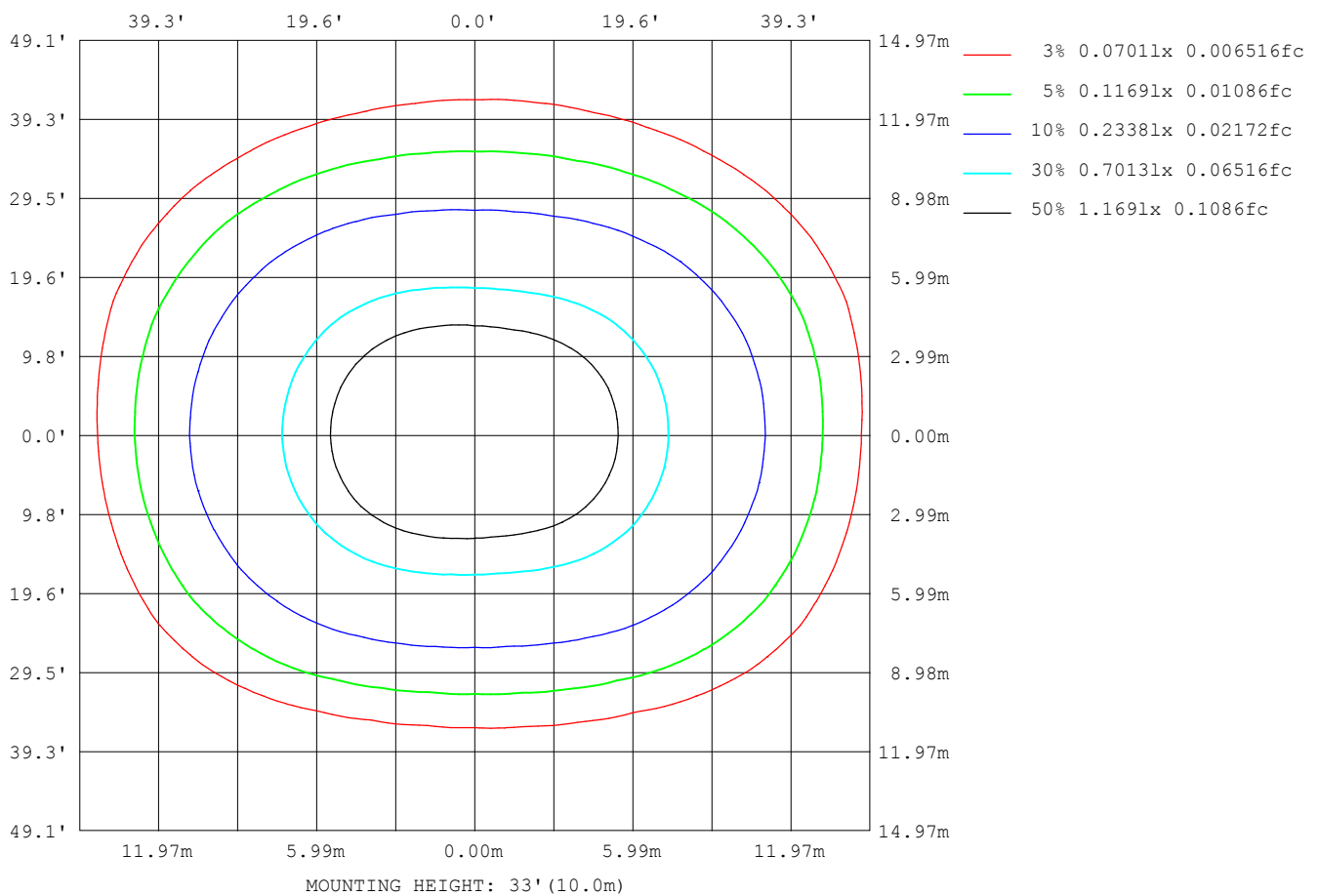


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Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-02-11

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

ISOLUX DIAGRAM

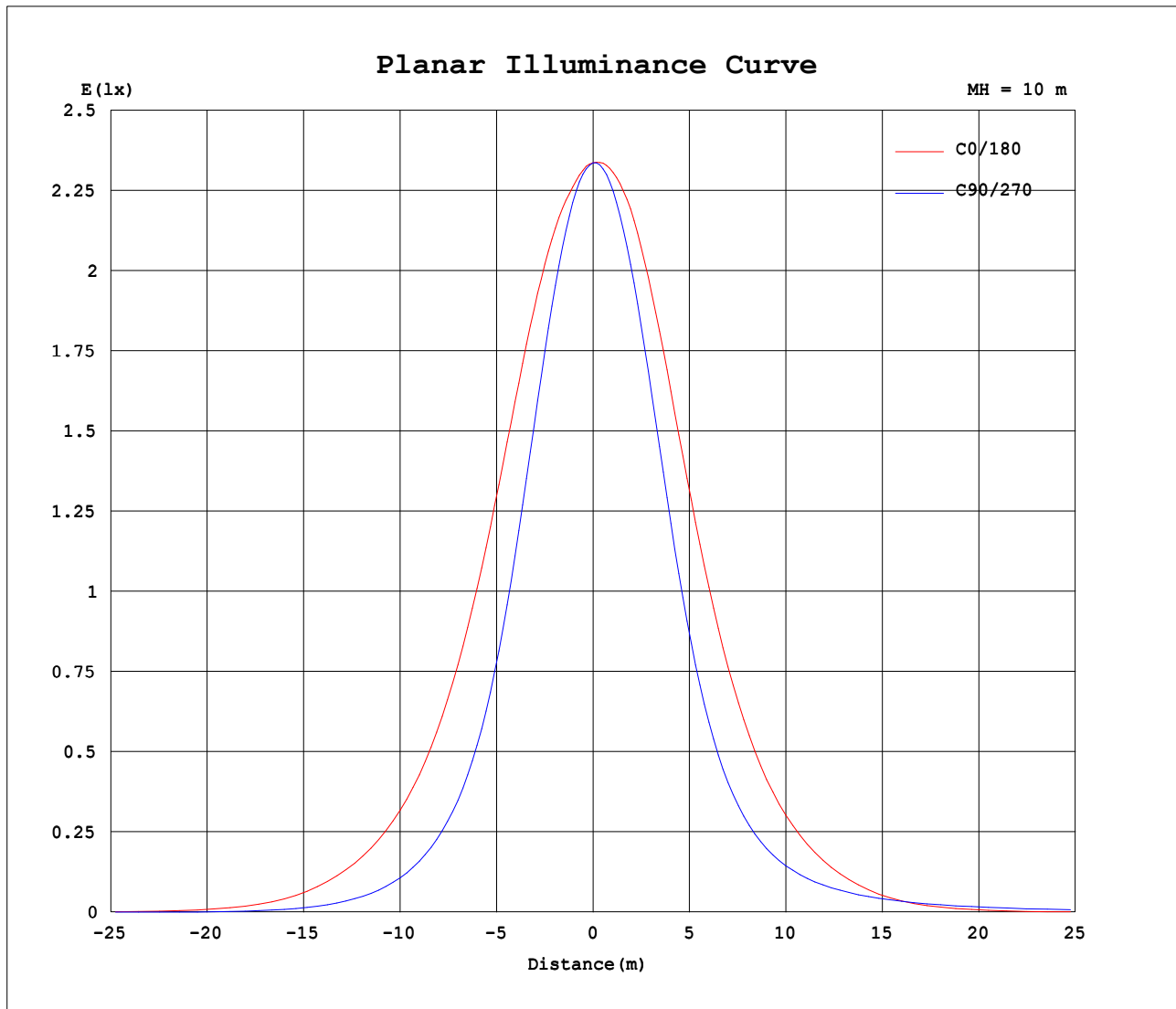
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Temperature:25.3DEG
Operators:ADMIN
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Remarks:

Planar Illuminance Curve

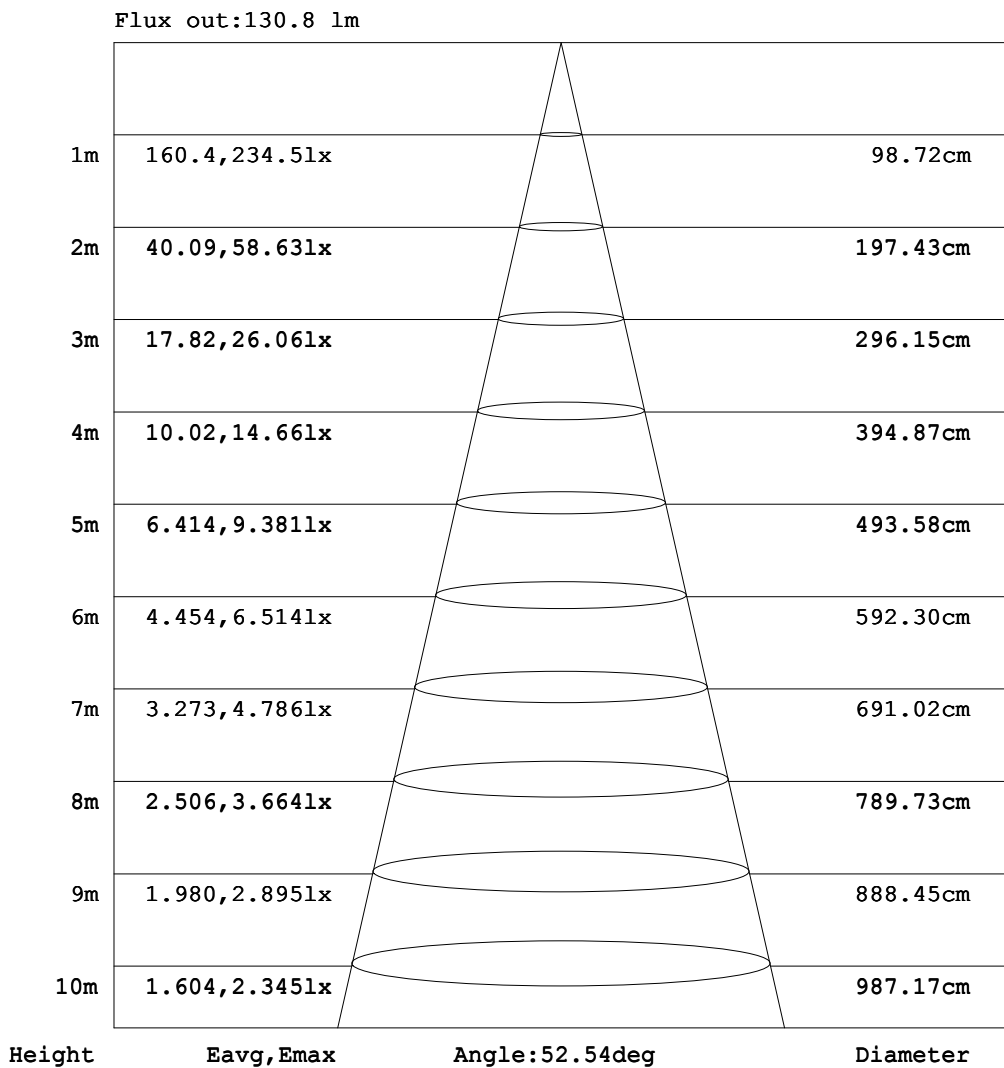


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AAI Figure

Test:U:12.13V I:0.3952A P:4.469W PF:0.9320 Freq:59.98Hz Lamp Flux:311.29x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Brass Spot Light	WEIGHT:
SPEC.:5W 2700K 60°LENS	DIM.:	SERIAL No.:1
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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:2026-02-11

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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:

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:5W 2700K 60°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	0.06	0.20	0.36	0.55	0.72	0.90	1.10	1.28	1.45	1.62	1.79	1.93	2.07	2.14
-170	0.00	0.00	0.00	0.00	0.04	0.14	0.32	0.54	0.77	1.01	1.21	1.36	1.50	1.63	1.75	1.87	1.97	2.01	2.10
-160	0.00	0.00	0.00	0.00	0.06	0.19	0.36	0.52	0.68	0.86	1.04	1.19	1.35	1.44	1.54	1.69	1.74	1.82	1.88
-150	0.00	0.00	0.00	0.00	0.04	0.15	0.28	0.40	0.55	0.69	0.85	0.94	1.04	1.17	1.26	1.33	1.42	1.43	1.48
-140	0.00	0.00	0.00	0.00	0.00	0.04	0.14	0.28	0.39	0.48	0.59	0.64	0.74	0.80	0.85	0.91	0.93	0.95	0.99
-130	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.16	0.21	0.28	0.31	0.39	0.43	0.45	0.46	0.51	0.49	0.50	0.54
-120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.07	0.13	0.15	0.16	0.16	0.19	0.20	0.16	0.17	0.20
-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	0.01	0.01	0.00	0.01	0.02
-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.51	1.33	2.23	2.88	3.19	3.49	3.60	3.64	3.75	3.75
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.12	1.21	4.04	8.17	12.5	15.5	17.2	17.7	18.4	18.4	18.6	18.8	18.7
-40	0.00	0.00	0.00	0.00	0.04	0.22	1.76	6.67	15.4	25.2	32.8	38.1	42.0	44.3	45.2	46.0	45.8	45.3	45.0
-30	0.00	0.00	0.00	0.03	0.14	1.03	5.70	15.4	30.1	44.1	55.9	66.2	75.5	82.9	87.9	89.9	89.9	88.4	88.0
-20	0.00	0.00	0.00	0.07	0.33	2.67	10.4	25.3	44.7	63.1	81.0	99.6	118	133	145	153	156	155	153
-10	0.00	0.00	0.00	0.12	0.57	4.39	14.7	33.4	56.2	79.0	103	127	152	175	193	206	211	213	211
0	0.00	0.00	0.00	0.15	0.73	5.25	16.7	37.1	61.1	85.5	112	139	166	191	211	225	233	235	234
10	0.00	0.00	0.05	0.28	1.07	5.62	16.7	35.8	57.9	80.4	105	130	156	179	197	211	217	219	217
20	0.00	0.00	0.08	0.37	1.13	4.85	14.3	30.4	48.8	67.1	85.9	106	125	142	156	164	168	168	165
30	0.00	0.00	0.10	0.41	1.10	4.21	11.6	23.6	36.9	49.2	61.5	73.3	84.8	93.7	100.0	103	103	102	99.9
40	0.00	0.00	0.08	0.38	1.29	3.45	8.36	16.4	25.5	33.3	39.9	45.9	50.3	53.7	55.8	56.1	55.9	55.2	54.3
50	0.00	0.00	0.04	0.38	1.19	2.69	6.10	11.3	16.7	21.3	24.9	27.5	29.6	31.0	31.8	31.9	32.2	32.2	32.1
60	0.00	0.00	0.00	0.28	0.91	2.11	4.35	7.32	10.3	13.3	15.3	16.8	18.1	18.9	19.7	20.2	20.6	20.9	21.0
70	0.00	0.00	0.00	0.12	0.48	1.32	2.63	4.20	5.99	7.51	8.86	9.86	10.7	11.5	12.1	12.6	13.0	13.2	13.3
80	0.00	0.00	0.00	0.00	0.06	0.45	0.99	1.68	2.49	3.16	3.85	4.41	4.94	5.34	5.70	5.99	6.22	6.33	6.38
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	0.01	0.01
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	0.03	0.03	0.08	0.12	0.12	0.12	0.14	0.15	0.14
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.14	0.22	0.28	0.31	0.40	0.45	0.45	0.47	0.51	0.48
150	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.14	0.24	0.33	0.43	0.56	0.64	0.71	0.78	0.87	0.90	0.96	0.93
160	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.23	0.38	0.54	0.67	0.78	0.90	1.05	1.16	1.23	1.35	1.41	1.42
170	0.00	0.00	0.00	0.00	0.00	0.02	0.15	0.30	0.47	0.62	0.79	0.97	1.16	1.31	1.43	1.55	1.68	1.77	1.81
180	0.00	0.00	0.00	0.00	0.00	0.06	0.20	0.36	0.55	0.72	0.90	1.10	1.28	1.45	1.62	1.79	1.93	2.07	2.12

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 Operators:ADMIN
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MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:Floodlight 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	2.13	2.02	1.97	1.80	1.68	1.54	1.37	1.22	1.02	0.77	0.59	0.40	0.16	0.05	0.00	0.00	0.00	0.00	
-170	2.10	2.01	1.93	1.81	1.69	1.53	1.38	1.19	1.00	0.79	0.58	0.38	0.18	0.05	0.00	0.00	0.00	0.00	
-160	1.86	1.81	1.73	1.61	1.51	1.37	1.21	1.06	0.85	0.67	0.51	0.34	0.18	0.04	0.00	0.00	0.00	0.00	
-150	1.47	1.44	1.38	1.28	1.19	1.04	0.96	0.82	0.69	0.51	0.39	0.23	0.13	0.00	0.00	0.00	0.00	0.00	
-140	0.95	0.94	0.92	0.89	0.81	0.74	0.62	0.56	0.47	0.35	0.25	0.15	0.02	0.00	0.00	0.00	0.00	0.00	
-130	0.51	0.49	0.51	0.47	0.46	0.42	0.38	0.31	0.26	0.18	0.13	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
-120	0.18	0.16	0.18	0.18	0.16	0.16	0.15	0.12	0.07	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-110	0.01	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	0.00	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	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	
-60	3.82	3.78	3.81	3.76	3.55	3.34	2.76	1.82	0.85	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-50	19.0	19.1	19.0	19.0	18.6	18.3	17.0	14.4	9.96	5.32	1.87	0.24	0.00	0.00	0.00	0.00	0.00	0.00	
-40	45.2	45.8	46.2	45.9	45.8	43.7	40.4	35.5	28.6	18.7	8.55	2.56	0.32	0.02	0.00	0.00	0.00	0.00	
-30	87.3	88.0	88.4	87.8	84.4	77.4	69.2	59.5	48.0	34.7	19.0	7.40	1.56	0.17	0.02	0.00	0.00	0.00	
-20	152	151	149	143	133	120	103	85.1	67.7	49.7	30.1	13.0	3.58	0.42	0.07	0.00	0.00	0.00	
-10	209	206	200	189	173	152	129	106	83.6	61.4	38.9	17.8	5.57	0.77	0.14	0.01	0.00	0.00	
0	231	227	219	206	188	165	140	115	89.8	66.0	42.4	19.8	6.47	0.97	0.20	0.01	0.00	0.00	
10	215	211	204	193	177	156	132	108	85.2	63.1	40.9	19.8	6.85	1.34	0.33	0.06	0.00	0.00	
20	163	161	158	152	140	125	108	89.6	71.6	53.5	34.8	16.9	5.85	1.33	0.40	0.09	0.00	0.00	
30	98.9	98.2	98.4	96.7	91.9	85.2	75.2	64.4	52.7	40.6	27.1	13.7	5.02	1.23	0.42	0.10	0.00	0.00	
40	54.6	54.8	54.7	54.6	53.5	50.8	47.1	41.9	35.6	28.1	18.7	9.84	4.04	1.45	0.39	0.08	0.00	0.00	
50	32.4	32.5	32.2	32.1	31.4	30.2	28.5	26.3	22.9	18.4	12.8	7.01	3.11	1.35	0.41	0.04	0.00	0.00	
60	21.1	21.1	20.8	20.3	19.6	18.8	17.7	16.2	14.4	11.4	8.29	4.98	2.44	1.03	0.32	0.00	0.00	0.00	
70	13.3	13.2	13.0	12.6	12.1	11.4	10.6	9.52	8.26	6.69	4.80	3.06	1.57	0.58	0.15	0.00	0.00	0.00	
80	6.41	6.39	6.25	6.05	5.74	5.41	4.93	4.38	3.66	2.94	2.04	1.26	0.60	0.12	0.02	0.00	0.00	0.00	
90	0.02	0.04	0.05	0.06	0.03	0.00	0.00	0.01	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	0.00	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	0.13	0.12	0.11	0.10	0.10	0.08	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
140	0.51	0.47	0.46	0.44	0.41	0.32	0.27	0.22	0.12	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
150	1.00	0.93	0.90	0.82	0.76	0.65	0.55	0.43	0.33	0.19	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
160	1.45	1.40	1.34	1.22	1.09	0.93	0.79	0.65	0.51	0.35	0.18	0.03	0.01	0.01	0.00	0.00	0.00	0.00	
170	1.82	1.72	1.63	1.51	1.35	1.18	1.01	0.79	0.60	0.50	0.37	0.22	0.08	0.03	0.00	0.00	0.00	0.00	
180	2.13	2.02	1.97	1.80	1.68	1.54	1.37	1.22	1.02	0.77	0.59	0.40	0.16	0.05	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:2026-02-11

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: