

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P952747

Luminaire Tested: **GALN-SB6C-735-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952747  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-735-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

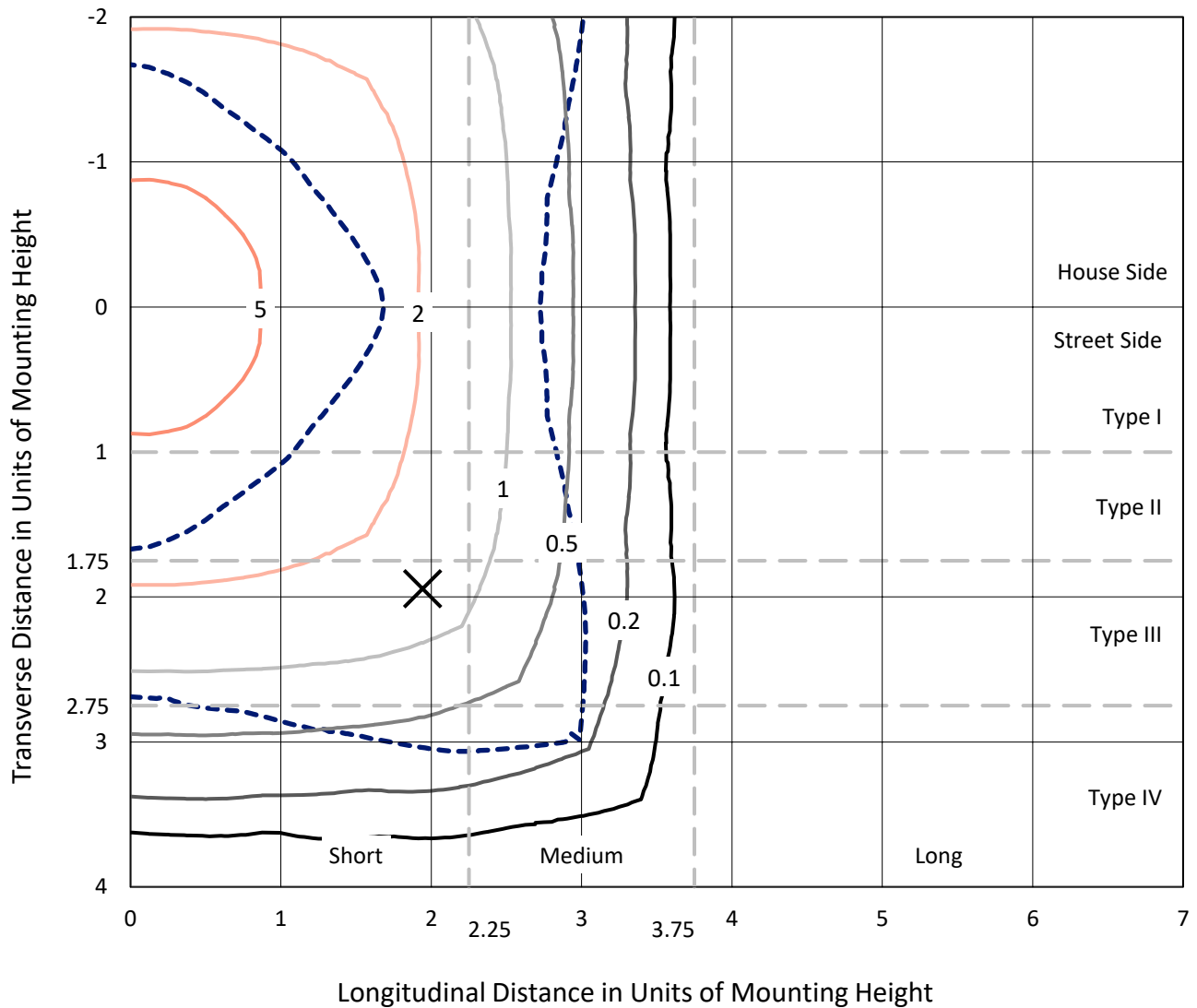
Lumens per Lamp: N/A  
Luminaire Lumens: 47561 lumens  
Efficiency: N/A  
Efficacy: 158.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

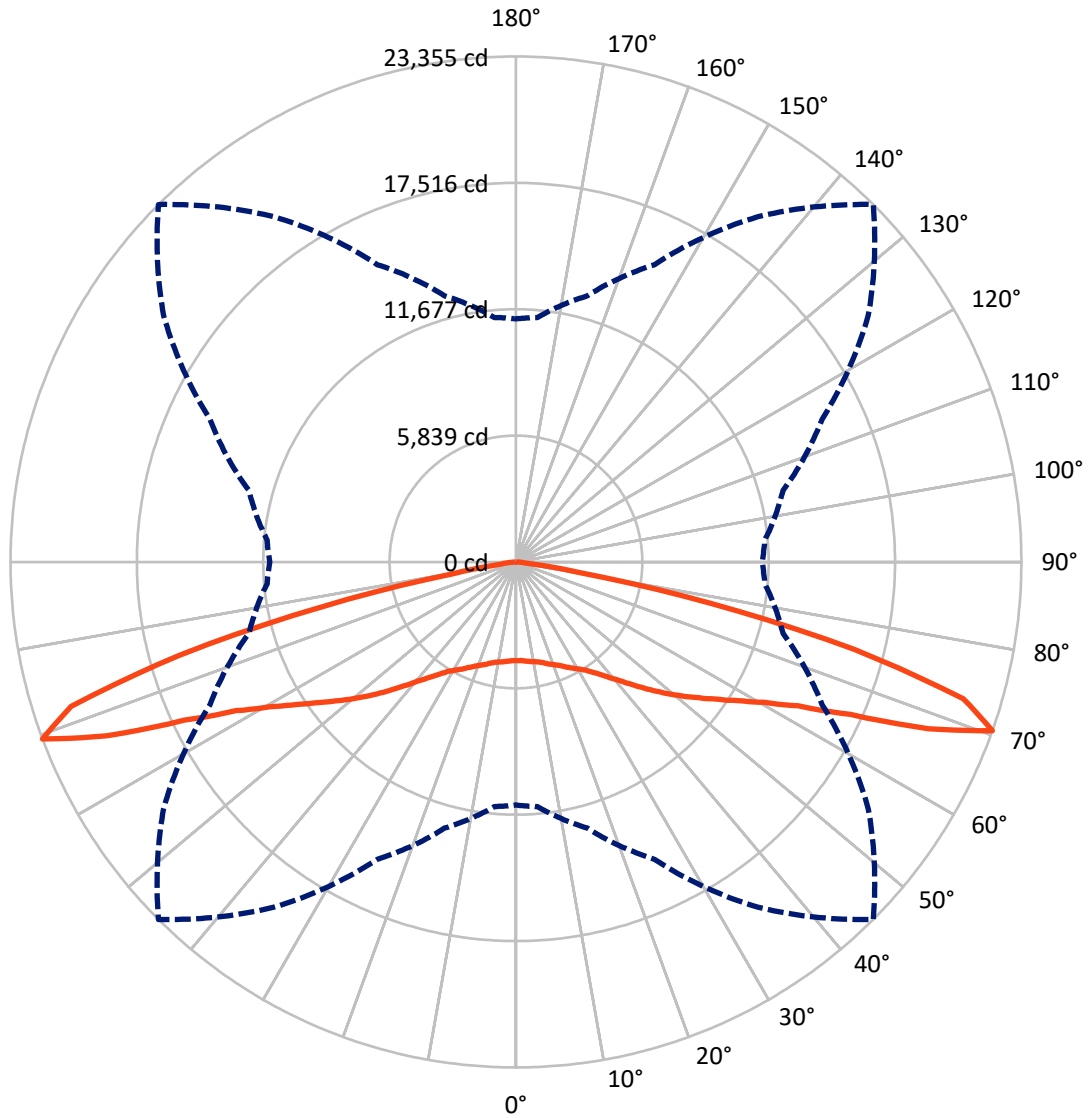
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	23780.5	0.0	23780.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23780.5	0.0	23780.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	47561.0	0.0	47561.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	442.6	0.9
10°-20°	1372.5	2.9
20°-30°	2452.7	5.2
30°-40°	3975.9	8.4
40°-50°	6476.0	13.6
50°-60°	9873.7	20.8
60°-70°	14689.0	30.9
70°-80°	8006.0	16.8
80°-90°	272.6	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	47561.0	100.0
0°-180°	47561.0	100.0

**Coefficient of Utilization**



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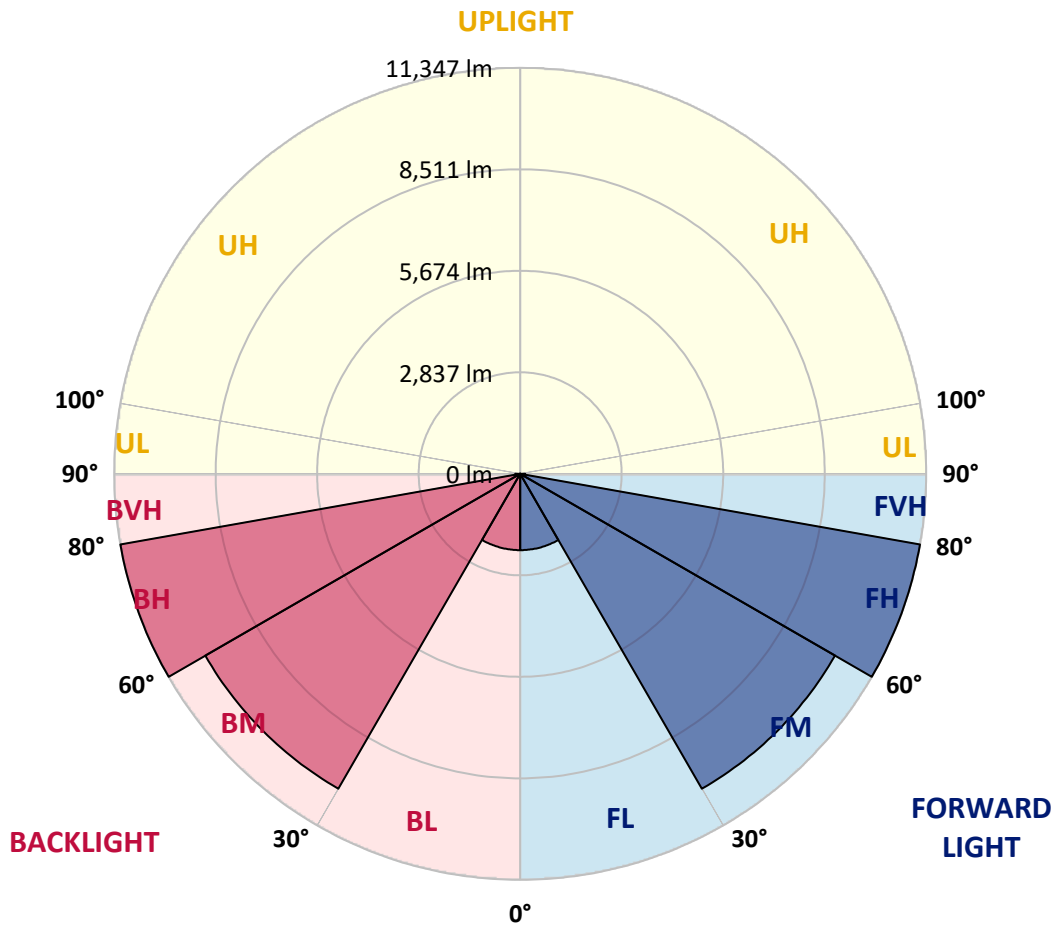
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2133.9	4.5			
FM (30°-60°)	10162.8	21.4			
FH (60°-80°)	11347.5	23.9			G4/12000
FVH (80°-90°)	136.3	0.3			G2/225
BL (0°-30°)	2133.9	4.5	B3/2500		
BM (30°-60°)	10162.8	21.4	B5		
BH (60°-80°)	11347.5	23.9	B5		G4/12000
BVH (80°-90°)	136.3	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4555.9	4555.9	4555.9	4555.9	4555.9	4555.9	4555.9	4555.9	4555.9	4555.9
2.5°	4577.3	4582.1	4572.6	4567.8	4563.0	4555.9	4558.2	4570.2	4579.7	4577.3
5°	4615.5	4620.3	4613.2	4610.8	4601.2	4598.8	4598.8	4610.8	4617.9	4613.2
7.5°	4658.5	4665.7	4653.7	4651.4	4646.6	4641.8	4639.4	4651.4	4658.5	4658.5
10°	4699.1	4706.3	4696.7	4689.6	4684.8	4684.8	4680.0	4689.6	4701.5	4699.1
12.5°	4742.1	4746.9	4737.3	4732.5	4732.5	4739.7	4732.5	4737.3	4746.9	4742.1
15°	4794.6	4797.0	4794.6	4801.8	4813.7	4837.6	4816.1	4811.3	4816.1	4804.2
17.5°	4866.3	4871.0	4880.6	4897.3	4914.0	4957.0	4918.8	4906.9	4906.9	4883.0
20°	4954.6	4961.8	4976.1	5004.8	5026.2	5066.8	5028.6	5011.9	5004.8	4973.7
22.5°	5047.7	5059.7	5081.2	5119.4	5157.6	5195.8	5157.6	5128.9	5107.4	5066.8
25°	5155.2	5169.5	5202.9	5265.0	5317.5	5372.5	5327.1	5269.8	5226.8	5169.5
27.5°	5308.0	5324.7	5365.3	5441.7	5508.6	5556.3	5513.3	5439.3	5379.6	5310.4
30°	5522.9	5539.6	5587.4	5668.5	5713.9	5745.0	5716.3	5659.0	5587.4	5508.6
32.5°	5799.9	5821.4	5873.9	5950.3	5959.9	5964.6	5955.1	5926.4	5873.9	5778.4
35°	6150.9	6174.8	6234.4	6296.5	6287.0	6296.5	6282.2	6272.7	6234.4	6124.6
37.5°	6580.7	6609.3	6671.4	6719.2	6695.3	6683.3	6685.7	6688.1	6666.6	6544.9
40°	7079.7	7117.9	7163.3	7213.4	7172.8	7137.0	7160.9	7180.0	7160.9	7036.7
42.5°	7593.1	7648.0	7695.8	7767.4	7734.0	7688.6	7722.0	7743.5	7702.9	7569.2
45°	8163.8	8216.3	8278.4	8385.8	8361.9	8314.2	8361.9	8366.7	8297.5	8139.9
47.5°	8753.5	8808.5	8901.6	9044.8	9035.3	8982.8	9044.8	9011.4	8923.1	8734.4
50°	9312.3	9388.7	9531.9	9732.5	9751.6	9687.2	9770.7	9706.3	9558.2	9321.8
52.5°	9837.6	9918.8	10145.6	10417.8	10487.1	10403.5	10515.7	10403.5	10181.4	9878.2
55°	10389.2	10479.9	10749.7	11105.5	11244.0	11181.9	11287.0	11117.4	10802.2	10434.5
57.5°	11038.6	11093.5	11415.9	11838.5	12072.5	12086.9	12134.6	11848.1	11466.0	11048.2
60°	11743.0	11819.4	12170.4	12676.6	13046.7	13166.1	13116.0	12691.0	12246.8	11766.9
62.5°	12645.6	12729.2	13149.4	13755.9	14340.9	14637.0	14441.2	13825.1	13276.0	12700.5
65°	13393.0	13486.1	14245.4	15327.0	16392.0	16986.5	16494.7	15360.5	14371.9	13560.1
67.5°	12850.9	12965.6	14157.0	16143.7	18791.7	20565.8	18882.4	16387.2	14450.7	13350.0
70°	11232.0	11339.5	12729.2	15157.5	19467.4	23354.7	19873.4	15604.0	12774.5	11542.4
72.5°	7457.0	7803.2	9209.6	12122.7	17382.9	21611.6	17554.8	11876.7	8543.4	7440.3
75°	2473.7	2750.7	3710.6	6284.6	11642.7	16162.8	11084.0	5561.1	2939.3	2115.6
77.5°	623.2	718.7	990.9	1798.0	4644.2	9202.4	4181.0	1468.5	799.9	558.7
80°	303.2	334.3	477.6	599.3	1162.8	2925.0	1091.2	563.5	377.3	291.3
82.5°	167.1	169.5	269.8	339.1	432.2	756.9	448.9	329.5	217.3	176.7
85°	102.7	100.3	143.3	181.5	181.5	269.8	214.9	181.5	124.2	109.8
87.5°	40.6	40.6	52.5	57.3	50.1	69.2	54.9	59.7	47.8	45.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4555.9
4579.7
4615.5
4658.5
4699.1
4739.7
4804.2
4883.0
4973.7
5064.4
5167.1
5308.0
5508.6
5780.8
6124.6
6544.9
7036.7
7578.8
8156.6
8722.5
9317.1
9849.5
10384.4
10990.9
11690.5
12600.2
13426.4
13185.2
11377.7
7199.1
2000.9
499.0
267.4
176.7
114.6
47.8
0.0

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