

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: P954176

Luminaire Tested: **GALN-SB7C-735-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954176  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

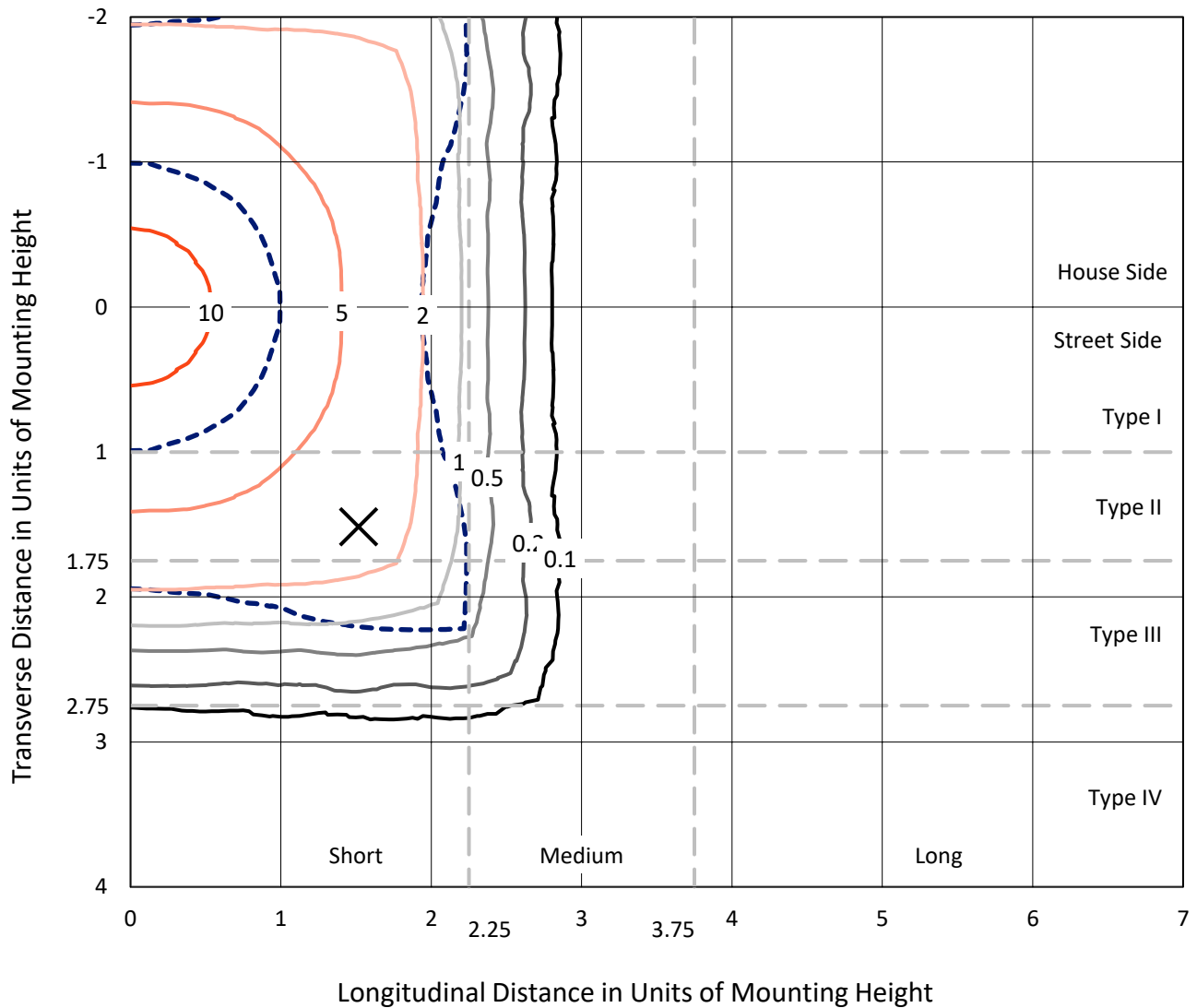
Lumens per Lamp: N/A  
Luminaire Lumens: 55811 lumens  
Efficiency: N/A  
Efficacy: 159.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

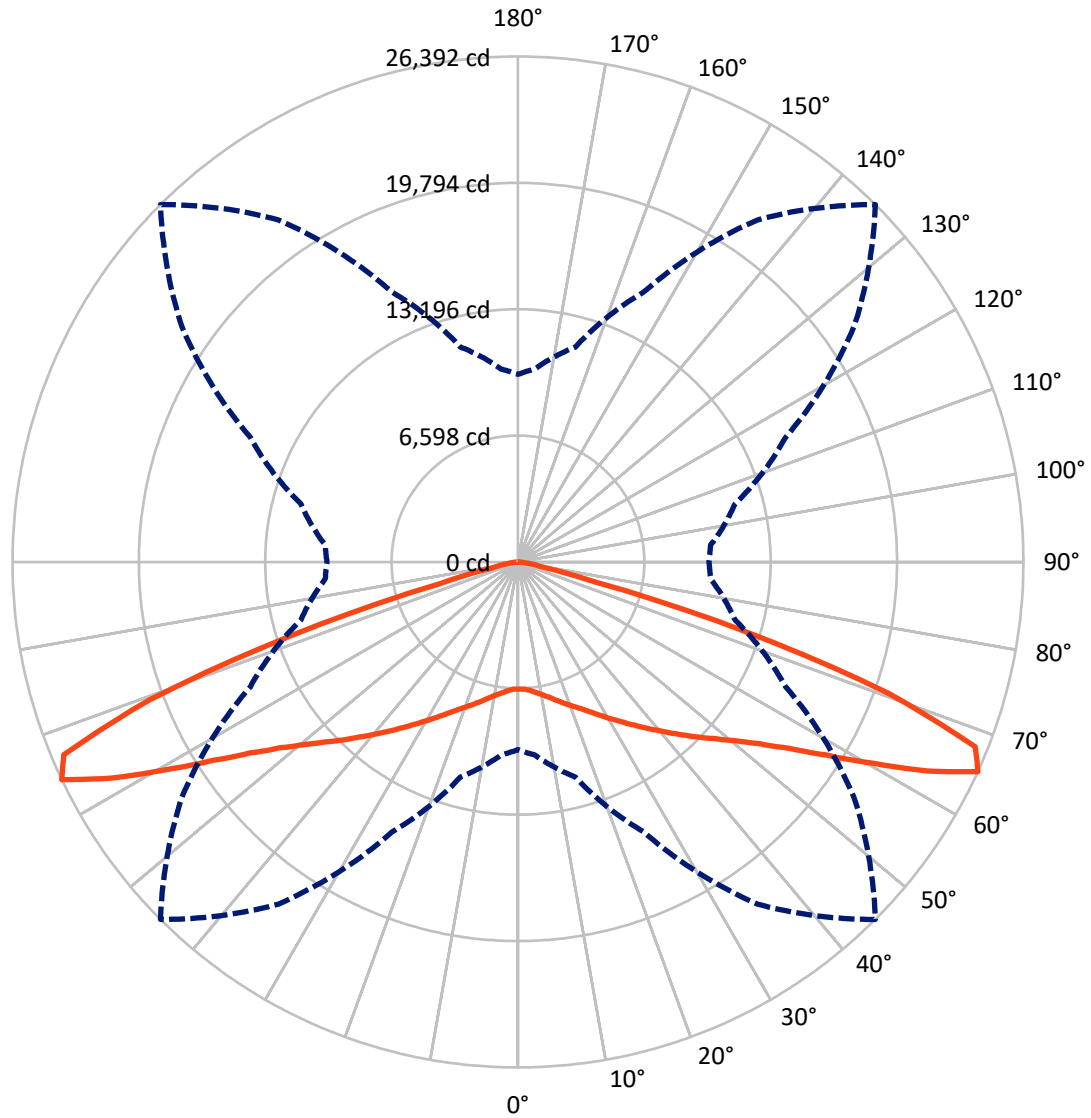
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	27905.5	0.0	27905.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	27905.5	0.0	27905.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	55811.0	0.0	55811.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	655.5	1.2
10°-20°	2139.0	3.8
20°-30°	4038.6	7.2
30°-40°	6613.1	11.8
40°-50°	10253.7	18.4
50°-60°	15146.8	27.1
60°-70°	14418.4	25.8
70°-80°	2326.6	4.2
80°-90°	219.3	0.4
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°	55811.0	100.0
0°-180°	55811.0	100.0

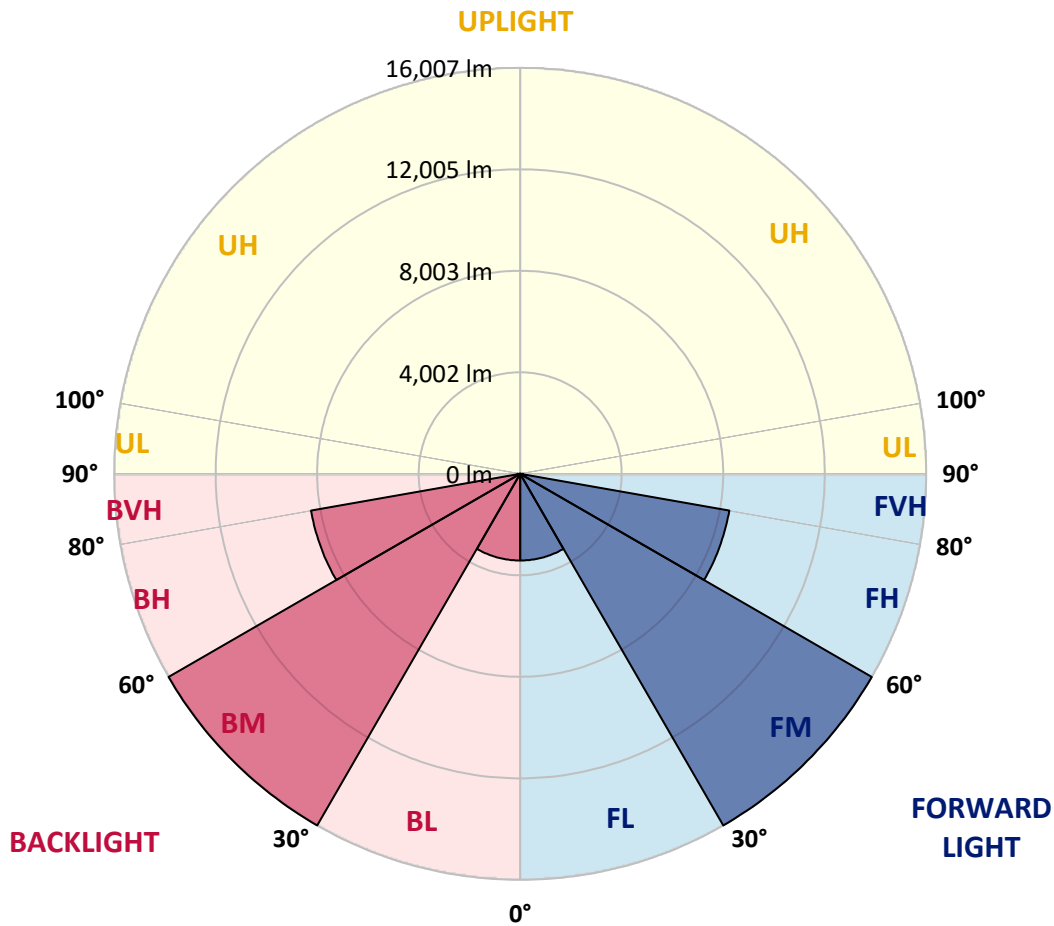


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3416.5	6.1			
FM (30°-60°)	16006.8	28.7			
FH (60°-80°)	8372.5	15.0			G4/12000
FVH (80°-90°)	109.6	0.2			G2/225
BL (0°-30°)	3416.5	6.1	B4/5000		
BM (30°-60°)	16006.8	28.7	B5		
BH (60°-80°)	8372.5	15.0	B5		G4/12000
BVH (80°-90°)	109.6	0.2			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°	6642.1	6642.1	6642.1	6642.1	6642.1	6642.1	6642.1	6642.1	6642.1	6642.1
2.5°	6686.9	6664.5	6681.3	6667.3	6656.1	6644.9	6650.5	6670.1	6678.5	6681.3
5°	6776.5	6756.9	6765.3	6765.3	6745.7	6740.1	6742.9	6756.9	6773.7	6773.7
7.5°	6922.1	6902.5	6922.1	6910.9	6894.1	6888.5	6885.7	6896.9	6922.1	6922.1
10°	7098.5	7076.1	7087.3	7081.7	7062.1	7053.7	7050.9	7067.7	7090.1	7087.3
12.5°	7291.7	7266.5	7280.5	7263.7	7258.1	7249.7	7249.7	7246.9	7260.9	7249.7
15°	7507.3	7490.5	7496.1	7484.9	7493.3	7487.7	7465.3	7454.1	7459.7	7442.9
17.5°	7762.1	7722.9	7742.5	7736.9	7736.9	7748.1	7711.7	7697.7	7708.9	7692.1
20°	8056.2	8017.0	8025.4	8014.2	8000.2	8011.4	7966.6	7977.8	7986.2	7975.0
22.5°	8378.2	8327.8	8325.0	8330.6	8299.8	8302.6	8271.8	8299.8	8316.6	8285.8
25°	8708.6	8655.4	8691.8	8677.8	8638.6	8647.0	8624.6	8652.6	8666.6	8627.4
27.5°	9058.6	9022.2	9055.8	9064.2	9016.6	9050.2	9016.6	9041.8	9055.8	8997.0
30°	9467.5	9431.1	9461.9	9484.3	9428.3	9481.5	9453.5	9470.3	9473.1	9403.1
32.5°	9912.7	9856.7	9935.1	9946.3	9884.7	9949.1	9912.7	9935.1	9949.1	9853.9
35°	10455.9	10385.9	10475.5	10461.5	10408.3	10461.5	10427.9	10461.5	10495.1	10380.3
37.5°	11041.2	10968.4	11063.6	11038.4	10988.0	11024.4	11004.8	11027.2	11080.4	10957.2
40°	11685.2	11595.6	11724.4	11679.6	11632.0	11626.4	11637.6	11651.6	11721.6	11584.4
42.5°	12374.1	12278.9	12472.1	12402.1	12334.9	12290.1	12326.5	12354.5	12421.7	12267.7
45°	13160.9	13051.7	13303.7	13219.7	13113.3	13020.9	13079.7	13121.7	13219.7	13034.9
47.5°	14029.0	13905.8	14174.6	14149.4	13975.8	13774.2	13908.6	14029.0	14101.8	13877.8
50°	14877.4	14782.2	15135.1	15165.9	14953.1	14670.2	14857.8	15039.9	15059.5	14765.4
52.5°	15672.7	15577.5	16089.9	16283.1	16092.7	15756.7	15955.5	16140.3	15991.9	15611.1
55°	16308.3	16229.9	16882.4	17380.8	17445.2	17168.0	17285.6	17280.0	16792.8	16207.5
57.5°	16462.4	16451.2	17274.4	18330.1	19002.1	19035.7	18803.3	18209.7	17159.6	16372.8
60°	15762.3	15832.3	16963.6	18825.7	20617.9	21362.7	20357.4	18663.3	16742.4	15650.3
62.5°	13667.8	13852.6	15216.3	18220.9	21922.7	24039.7	21603.5	17974.5	15028.7	13603.4
65°	9795.1	10117.1	11623.6	15549.5	21805.1	26391.9	21424.3	15423.5	11735.6	10091.9
67.5°	4443.9	4771.5	6051.2	10646.3	18954.5	25753.4	18909.7	10758.4	6353.6	4788.3
70°	1610.1	1666.1	2077.7	4261.9	12113.7	20519.8	12631.7	4292.7	2209.4	1775.3
72.5°	974.5	982.9	1069.7	1526.1	4208.7	12458.1	4387.9	1576.5	1092.1	968.9
75°	618.8	613.2	761.7	932.5	1492.5	4203.1	1565.3	932.5	758.9	691.6
77.5°	445.2	459.2	546.0	697.2	940.9	1425.3	924.1	666.4	546.0	448.0
80°	333.2	341.6	397.6	543.2	660.8	887.7	588.0	492.8	411.6	280.0
82.5°	240.8	240.8	260.4	394.8	403.2	478.8	319.2	347.2	271.6	198.8
85°	142.8	140.0	162.4	235.2	210.0	176.4	145.6	212.8	170.8	123.2
87.5°	50.4	53.2	50.4	67.2	56.0	47.6	44.8	58.8	47.6	42.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6642.1
6681.3
6773.7
6913.7
7081.7
7255.3
7445.7
7706.1
8000.2
8316.6
8672.2
9041.8
9445.1
9918.3
10450.3
11032.8
11629.2
12348.9
13130.1
13953.4
14801.8
15622.3
16227.1
16322.3
15521.5
13519.4
9971.5
4718.3
1752.9
985.7
697.2
456.4
288.4
198.8
120.4
39.2
0.0

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