

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: P943220

Luminaire Tested: **GALN-SB7C-835-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

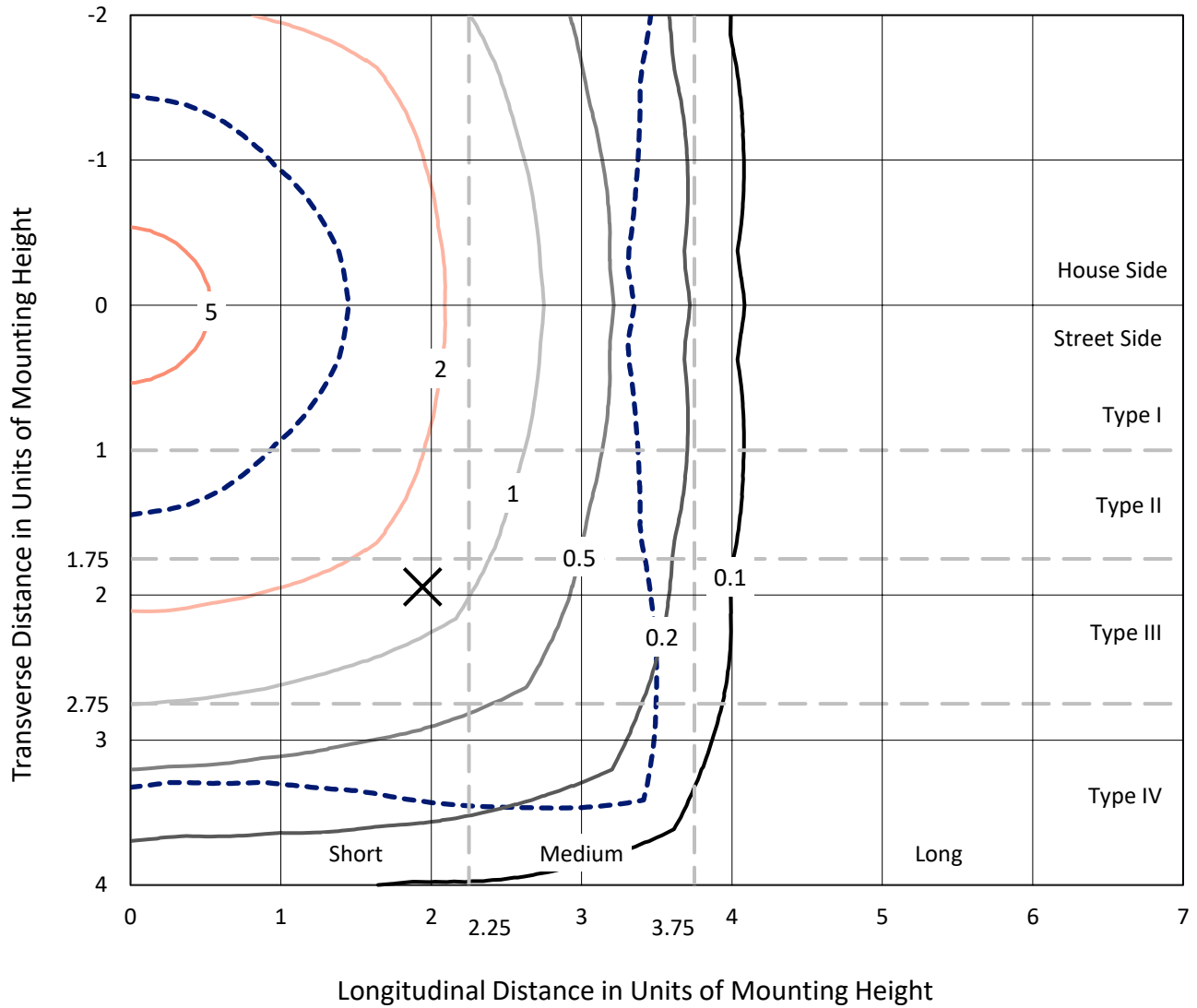
Lumens per Lamp: N/A  
Luminaire Lumens: 49969 lumens  
Efficiency: N/A  
Efficacy: 142.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

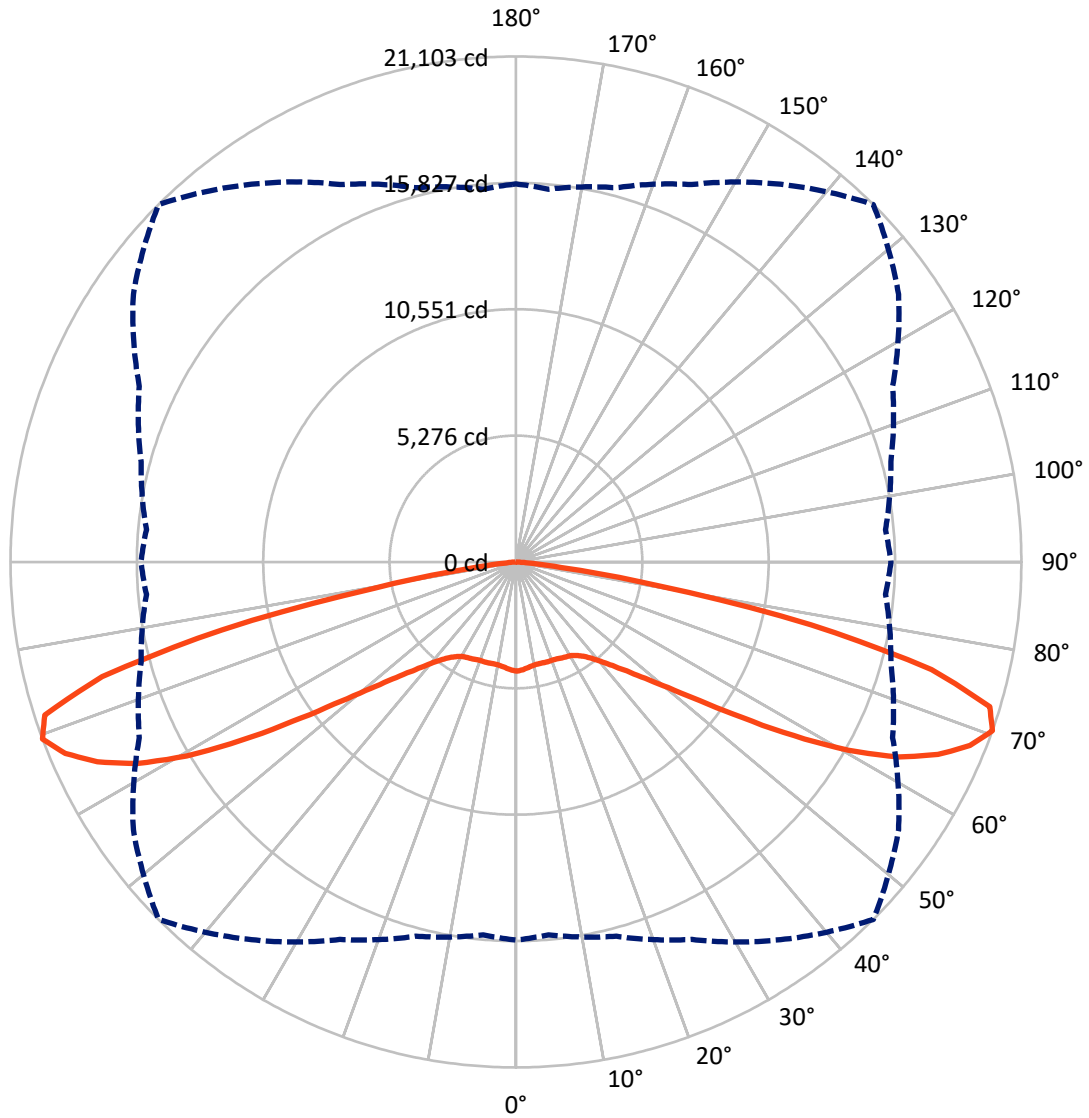
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	24984.5	0.0	24984.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24984.5	0.0	24984.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	49969.0	0.0	49969.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	424.0	0.8
10°-20°	1245.0	2.5
20°-30°	2071.9	4.1
30°-40°	3133.3	6.3
40°-50°	5206.8	10.4
50°-60°	9825.1	19.7
60°-70°	16590.1	33.2
70°-80°	10901.4	21.8
80°-90°	571.1	1.1
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°	49969.0	100.0
0°-180°	49969.0	100.0

**Coefficient of Utilization**



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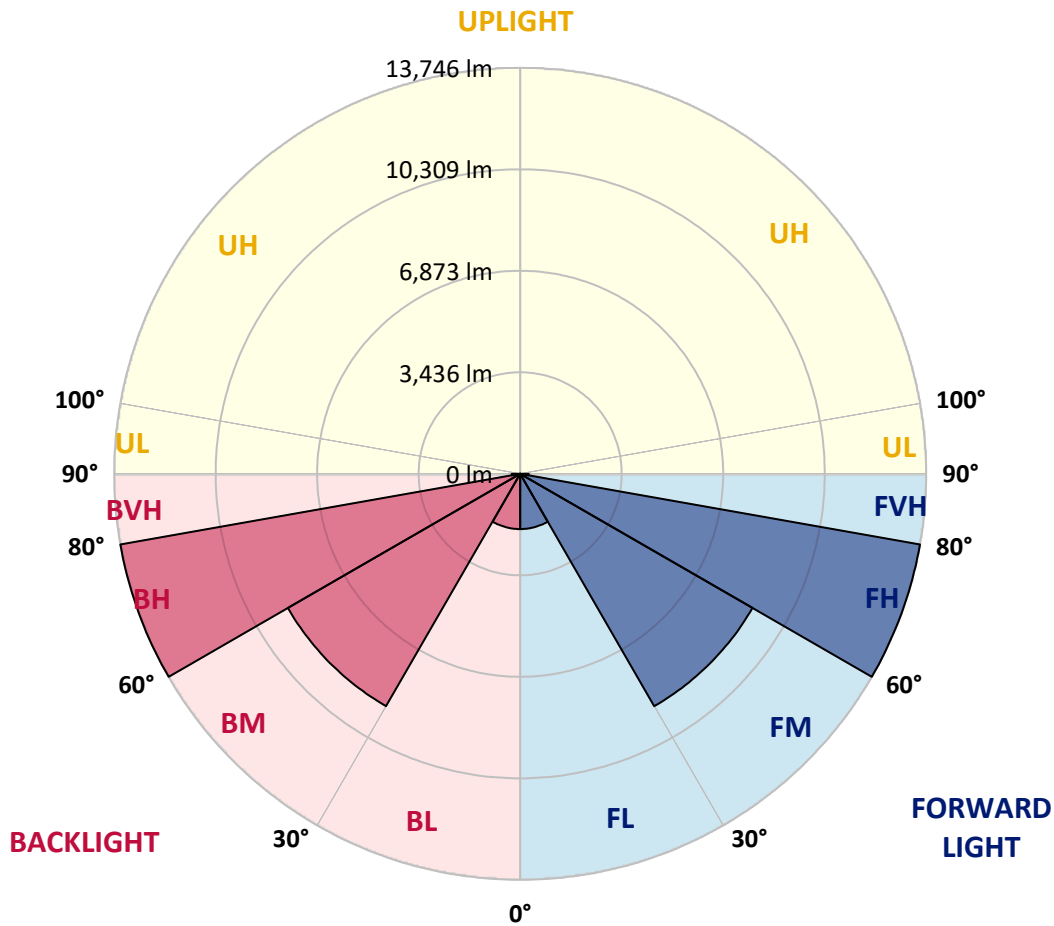
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1870.5	3.7			
FM (30°-60°)	9082.7	18.2			
FH (60°-80°)	13745.8	27.5			G5
FVH (80°-90°)	285.6	0.6			G3/500
BL (0°-30°)	1870.5	3.7	B3/2500		
BM (30°-60°)	9082.7	18.2	B5		
BH (60°-80°)	13745.8	27.5	B5		G5
BVH (80°-90°)	285.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4558.2	4558.2	4558.2	4558.2	4558.2	4558.2	4558.2	4558.2	4558.2	4558.2
2.5°	4529.6	4542.6	4537.4	4527.0	4527.0	4519.2	4527.0	4532.2	4540.0	4545.2
5°	4469.9	4480.3	4477.7	4469.9	4472.5	4464.7	4469.9	4477.7	4482.9	4485.5
7.5°	4417.9	4428.3	4423.1	4410.1	4410.1	4402.3	4404.9	4412.7	4420.5	4423.1
10°	4404.9	4415.3	4399.7	4379.0	4371.2	4360.8	4363.4	4371.2	4386.8	4394.6
12.5°	4410.1	4417.9	4402.3	4371.2	4363.4	4353.0	4353.0	4360.8	4381.6	4392.0
15°	4425.7	4433.5	4410.1	4376.4	4368.6	4360.8	4358.2	4368.6	4392.0	4410.1
17.5°	4454.3	4462.1	4425.7	4379.0	4368.6	4371.2	4368.6	4376.4	4412.7	4446.5
20°	4480.3	4485.5	4436.1	4379.0	4368.6	4371.2	4368.6	4384.2	4430.9	4477.7
22.5°	4488.1	4493.2	4446.5	4397.1	4389.4	4392.0	4389.4	4404.9	4449.1	4495.8
25°	4490.7	4498.4	4462.1	4423.1	4436.1	4441.3	4436.1	4438.7	4472.5	4514.0
27.5°	4529.6	4540.0	4506.2	4472.5	4480.3	4477.7	4485.5	4493.2	4519.2	4560.8
30°	4610.1	4617.9	4589.3	4555.6	4550.4	4532.2	4555.6	4581.6	4610.1	4646.5
32.5°	4742.6	4758.2	4721.8	4685.4	4662.1	4651.7	4669.9	4714.0	4753.0	4791.9
35°	4963.4	4973.7	4940.0	4872.4	4830.9	4830.9	4846.5	4903.6	4965.9	5015.3
37.5°	5275.0	5288.0	5228.3	5147.8	5085.4	5085.4	5106.2	5165.9	5259.4	5329.6
40°	5654.2	5672.4	5597.1	5514.0	5454.2	5443.8	5469.8	5537.3	5625.6	5714.0
42.5°	6111.3	6132.1	6033.4	5960.7	5913.9	5913.9	5926.9	5989.3	6069.8	6178.9
45°	6695.7	6732.1	6597.0	6524.3	6480.1	6490.5	6498.3	6552.9	6625.6	6750.3
47.5°	7391.8	7428.1	7285.3	7210.0	7202.2	7251.5	7220.4	7259.3	7298.3	7441.1
50°	8181.3	8243.7	8145.0	8139.8	8155.4	8246.3	8173.6	8194.3	8150.2	8241.1
52.5°	9147.5	9238.4	9220.2	9251.4	9425.4	9612.4	9446.2	9373.5	9207.3	9235.8
55°	10318.9	10456.5	10482.5	10669.5	11064.3	11446.1	11092.9	10799.4	10446.2	10381.2
57.5°	11651.3	11760.4	11885.0	12266.8	13004.4	13682.3	13004.4	12355.1	11799.3	11666.9
60°	13085.0	13220.0	13339.5	13903.1	14999.1	15952.3	14978.4	13947.2	13212.2	13033.0
62.5°	14625.1	14799.1	14882.3	15508.2	16786.0	17923.6	16804.2	15554.9	14739.4	14547.2
65°	16103.0	16245.8	16339.3	17006.8	18227.5	19367.7	18310.6	17079.5	16240.6	15988.7
67.5°	16791.2	16869.2	17097.7	17853.5	19141.8	20443.0	19359.9	17934.0	16996.4	16554.9
70°	15783.5	15625.1	16175.7	17386.0	19250.8	21102.7	19500.2	17349.6	16201.7	15484.8
72.5°	12196.7	11924.0	12879.8	14949.8	18004.2	20681.9	18128.8	15066.7	13474.5	12020.1
75°	6636.0	6326.9	7646.3	10264.3	14357.6	17926.2	14687.5	10557.8	8513.8	6586.6
77.5°	1872.6	1755.7	2820.6	4965.9	8635.9	12586.3	8968.3	5075.0	3345.3	1984.3
80°	574.0	555.8	753.2	1496.0	3667.3	6028.2	3524.5	1514.2	958.4	605.2
82.5°	340.2	311.7	374.0	545.4	935.0	1893.4	909.0	568.8	457.1	306.5
85°	194.8	181.8	220.8	264.9	314.3	402.6	262.3	270.1	244.1	163.6
87.5°	80.5	72.7	85.7	83.1	72.7	93.5	70.1	83.1	98.7	64.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
4558.2  
4542.6  
4485.5  
4423.1  
4394.6  
4394.6  
4412.7  
4446.5  
4480.3  
4495.8  
4511.4  
4550.4  
4638.7  
4776.3  
4997.1  
5303.6  
5685.4  
6171.1  
6745.1  
7399.6  
8186.5  
9139.7  
10279.9  
11573.4  
12877.2  
14391.4  
15864.0  
16560.1  
*15656.2*  
12381.1  
7015.2  
2205.1  
638.9  
332.4  
171.4  
59.7  
0.0

OF REPORT)