

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: P948106

Luminaire Tested: **GALN-SB3B-735-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948106  
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-SB3B-735-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

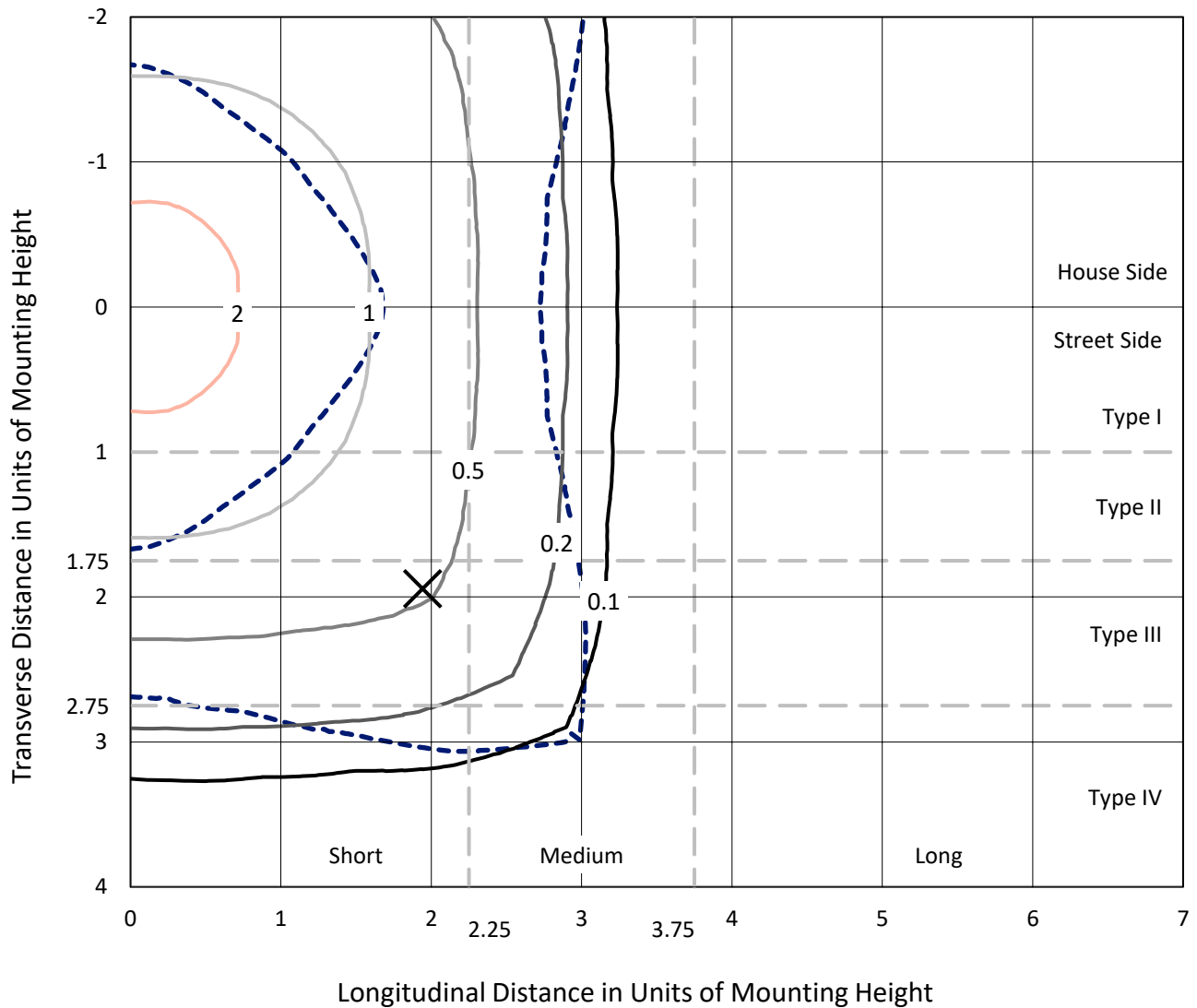
Lumens per Lamp: N/A  
Luminaire Lumens: 17694 lumens  
Efficiency: N/A  
Efficacy: 162.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

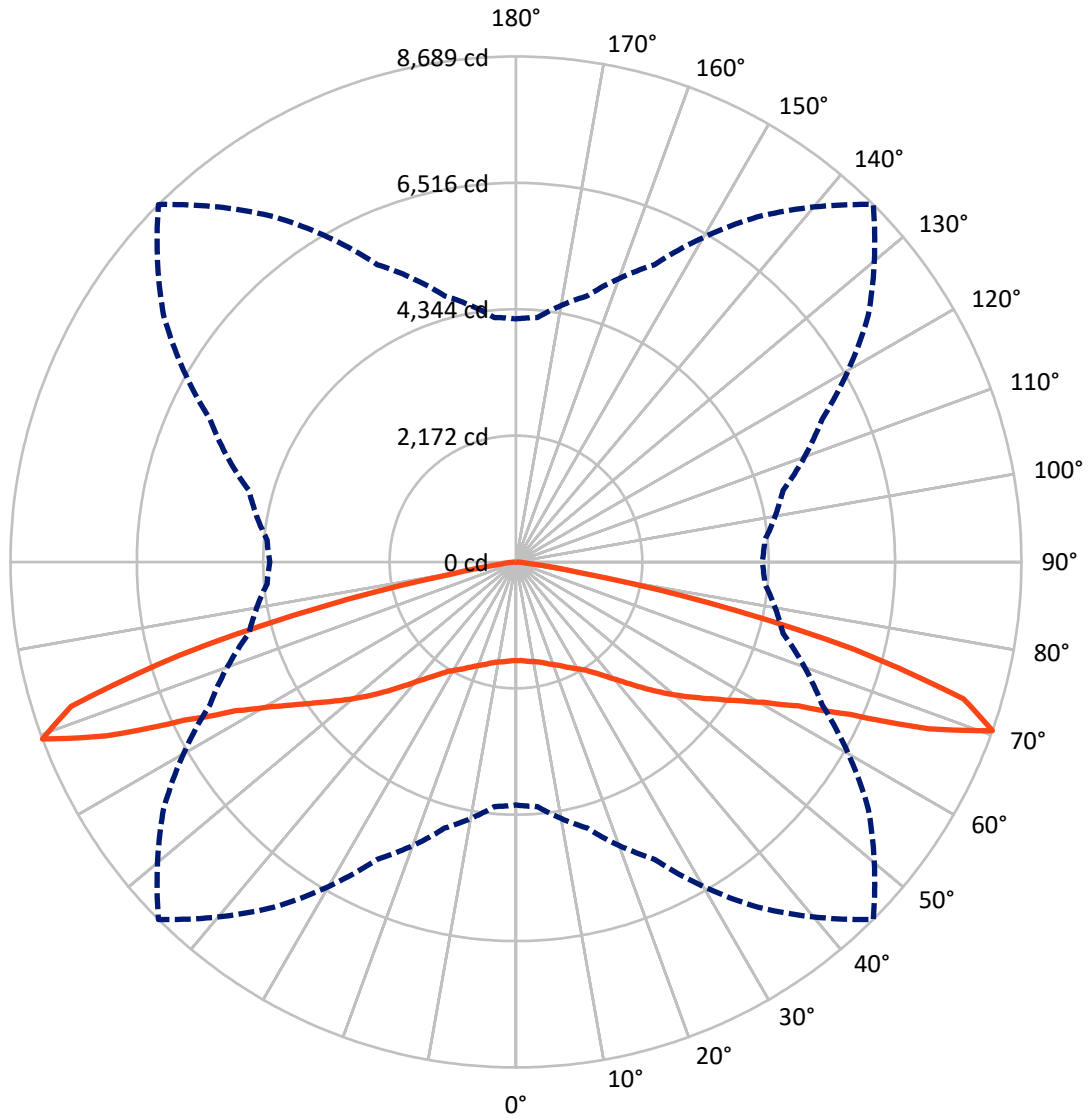
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	8847.0	0.0	8847.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8847.0	0.0	8847.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17694.0	0.0	17694.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.7	0.9
10°-20°	510.6	2.9
20°-30°	912.5	5.2
30°-40°	1479.1	8.4
40°-50°	2409.3	13.6
50°-60°	3673.3	20.8
60°-70°	5464.7	30.9
70°-80°	2978.4	16.8
80°-90°	101.4	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°	17694.0	100.0
0°-180°	17694.0	100.0

**Coefficient of Utilization**



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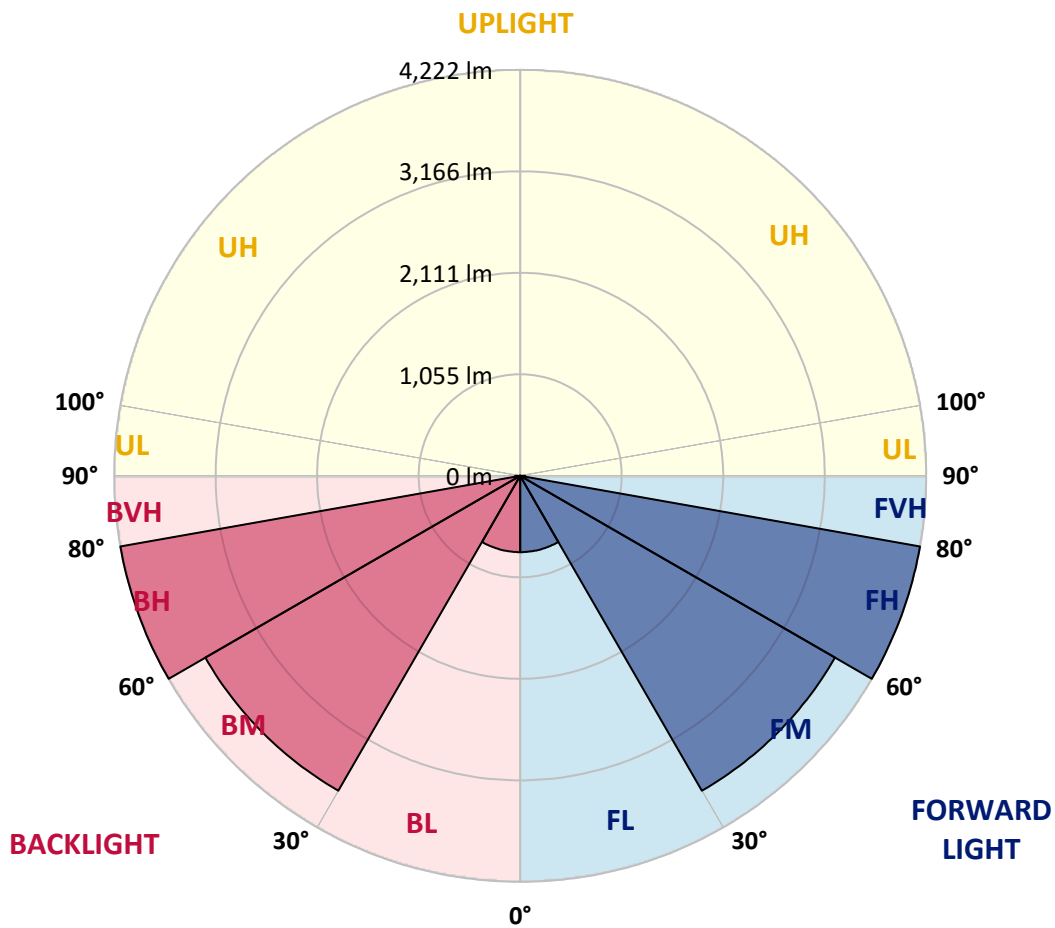
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	793.9	4.5			
FM (30°-60°)	3780.9	21.4			
FH (60°-80°)	4221.6	23.9			G2/5000
FVH (80°-90°)	50.7	0.3			G1/100
BL (0°-30°)	793.9	4.5	B2/1000		
BM (30°-60°)	3780.9	21.4	B3/5000		
BH (60°-80°)	4221.6	23.9	B4/5000		G2/5000
BVH (80°-90°)	50.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1694.9	1694.9	1694.9	1694.9	1694.9	1694.9	1694.9	1694.9	1694.9	1694.9
2.5°	1702.9	1704.7	1701.1	1699.3	1697.6	1694.9	1695.8	1700.2	1703.8	1702.9
5°	1717.1	1718.9	1716.2	1715.3	1711.8	1710.9	1710.9	1715.3	1718.0	1716.2
7.5°	1733.1	1735.8	1731.3	1730.4	1728.7	1726.9	1726.0	1730.4	1733.1	1733.1
10°	1748.2	1750.9	1747.3	1744.6	1742.9	1742.9	1741.1	1744.6	1749.1	1748.2
12.5°	1764.2	1766.0	1762.4	1760.6	1760.6	1763.3	1760.6	1762.4	1766.0	1764.2
15°	1783.7	1784.6	1783.7	1786.4	1790.8	1799.7	1791.7	1790.0	1791.7	1787.3
17.5°	1810.4	1812.2	1815.7	1821.9	1828.1	1844.1	1829.9	1825.5	1825.5	1816.6
20°	1843.3	1845.9	1851.2	1861.9	1869.9	1885.0	1870.8	1864.6	1861.9	1850.4
22.5°	1877.9	1882.3	1890.3	1904.5	1918.8	1933.0	1918.8	1908.1	1900.1	1885.0
25°	1917.9	1923.2	1935.6	1958.7	1978.3	1998.7	1981.8	1960.5	1944.5	1923.2
27.5°	1974.7	1980.9	1996.0	2024.5	2049.3	2067.1	2051.1	2023.6	2001.4	1975.6
30°	2054.7	2060.9	2078.7	2108.9	2125.7	2137.3	2126.6	2105.3	2078.7	2049.3
32.5°	2157.7	2165.7	2185.3	2213.7	2217.2	2219.0	2215.5	2204.8	2185.3	2149.7
35°	2288.3	2297.2	2319.4	2342.5	2338.9	2342.5	2337.2	2333.6	2319.4	2278.5
37.5°	2448.2	2458.9	2481.9	2499.7	2490.8	2486.4	2487.3	2488.2	2480.2	2434.9
40°	2633.8	2648.1	2664.9	2683.6	2668.5	2655.2	2664.1	2671.2	2664.1	2617.9
42.5°	2824.8	2845.3	2863.0	2889.7	2877.2	2860.4	2872.8	2880.8	2865.7	2816.0
45°	3037.1	3056.7	3079.8	3119.8	3110.9	3093.1	3110.9	3112.7	3086.9	3028.3
47.5°	3256.6	3277.0	3311.6	3364.9	3361.4	3341.8	3364.9	3352.5	3319.6	3249.5
50°	3464.4	3492.8	3546.1	3620.8	3627.9	3603.9	3635.0	3611.0	3555.9	3468.0
52.5°	3659.9	3690.1	3774.4	3875.7	3901.5	3870.4	3912.1	3870.4	3787.8	3675.0
55°	3865.1	3898.8	3999.2	4131.5	4183.1	4160.0	4199.1	4136.0	4018.7	3881.9
57.5°	4106.7	4127.1	4247.0	4404.3	4491.3	4496.6	4514.4	4407.8	4265.7	4110.2
60°	4368.7	4397.2	4527.7	4716.1	4853.7	4898.2	4879.5	4721.4	4556.2	4377.6
62.5°	4704.5	4735.6	4891.9	5117.6	5335.2	5445.4	5372.5	5143.3	4939.0	4724.9
65°	4982.6	5017.2	5299.7	5702.1	6098.3	6319.5	6136.5	5714.5	5346.8	5044.7
67.5°	4780.9	4823.5	5266.8	6005.9	6991.0	7651.0	7024.8	6096.5	5376.1	4966.6
70°	4178.6	4218.6	4735.6	5639.0	7242.4	8688.6	7393.4	5805.1	4752.5	4294.1
72.5°	2774.2	2903.0	3426.2	4510.0	6466.9	8040.1	6530.9	4418.5	3178.4	2768.0
75°	920.3	1023.3	1380.4	2338.0	4331.4	6013.0	4123.6	2068.9	1093.5	787.0
77.5°	231.8	267.4	368.7	668.9	1727.8	3423.6	1555.4	546.3	297.6	207.9
80°	112.8	124.4	177.7	223.0	432.6	1088.2	406.0	209.6	140.4	108.4
82.5°	62.2	63.1	100.4	126.1	160.8	281.6	167.0	122.6	80.8	65.7
85°	38.2	37.3	53.3	67.5	67.5	100.4	79.9	67.5	46.2	40.9
87.5°	15.1	15.1	19.5	21.3	18.7	25.8	20.4	22.2	17.8	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1694.9
1703.8
1717.1
1733.1
1748.2
1763.3
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1816.6
1850.4
1884.1
1922.3
1974.7
2049.3
2150.6
2278.5
2434.9
2617.9
2819.5
3034.5
3245.0
3466.2
3664.3
3863.3
4088.9
4349.2
4687.6
4995.0
4905.3
4232.8
2678.3
744.4
185.7
99.5
65.7
42.6
17.8
0.0

OF REPORT)