

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: P938910

Luminaire Tested: **GALN-SB1B-735-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938910  
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-SB1B-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5698 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

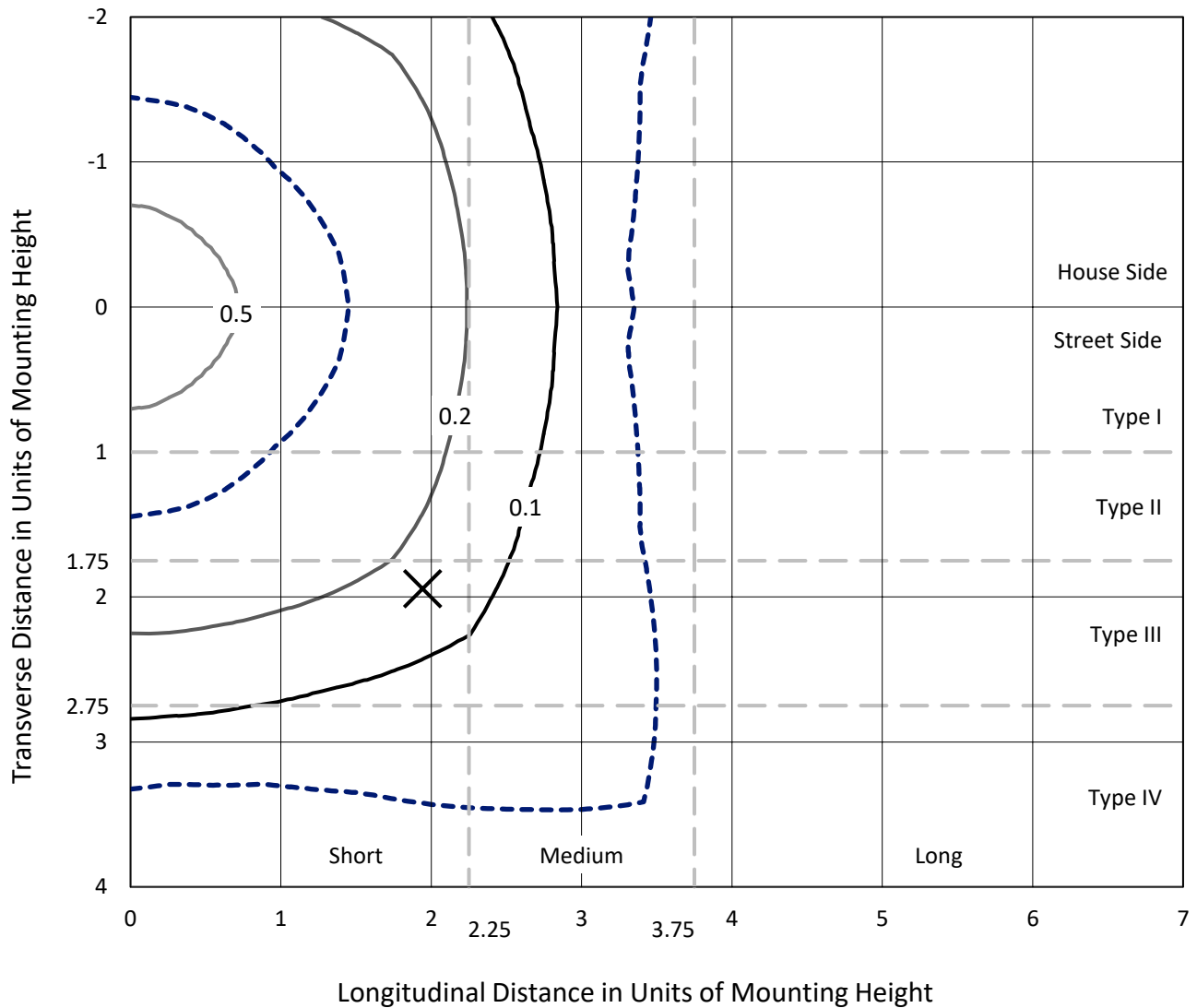
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

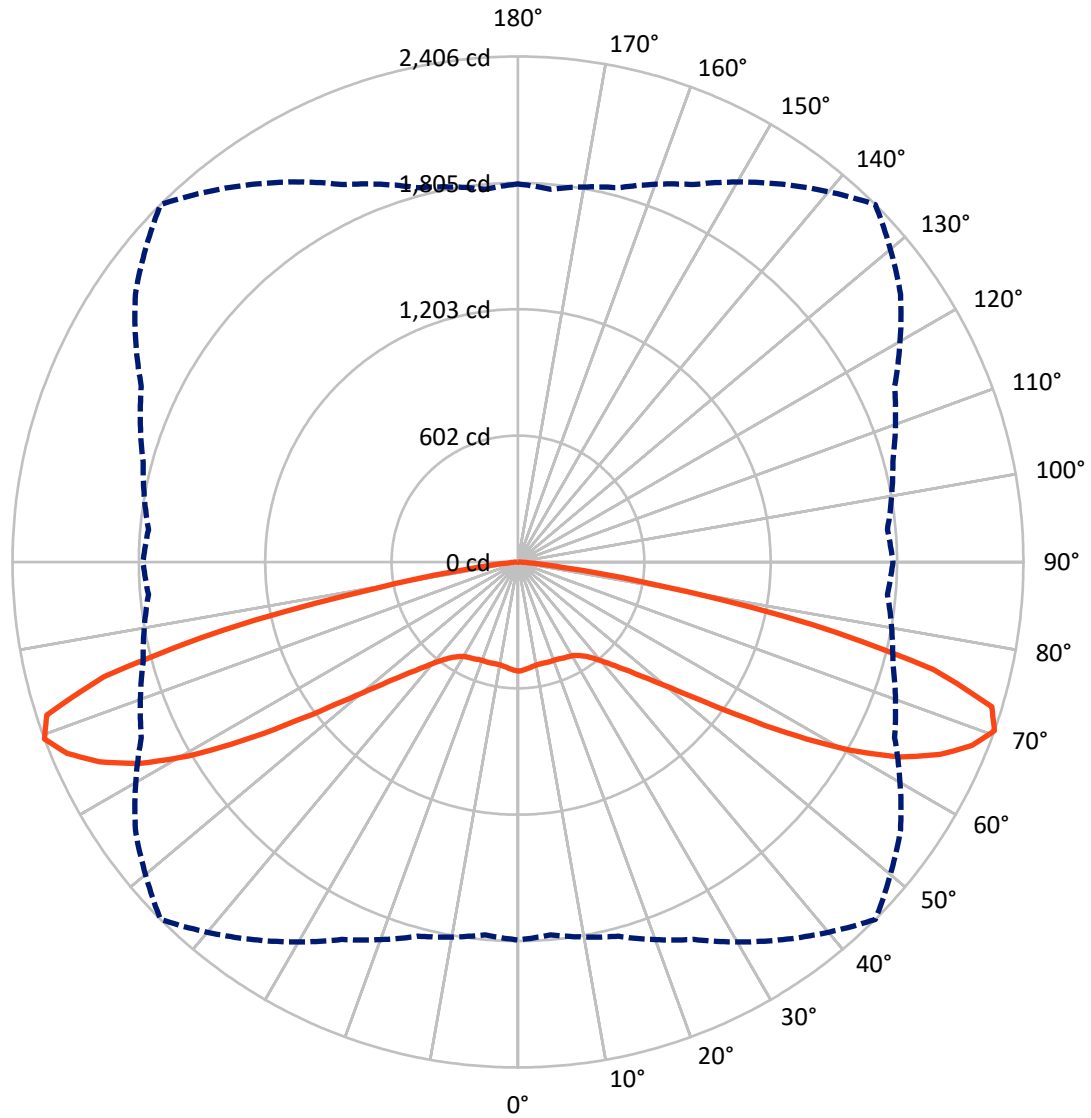
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	2849.0	0.0	2849.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2849.0	0.0	2849.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5698.0	0.0	5698.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.4	0.8
10°-20°	142.0	2.5
20°-30°	236.3	4.1
30°-40°	357.3	6.3
40°-50°	593.7	10.4
50°-60°	1120.4	19.7
60°-70°	1891.8	33.2
70°-80°	1243.1	21.8
80°-90°	65.1	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°	5698.0	100.0
0°-180°	5698.0	100.0

**Coefficient of Utilization**



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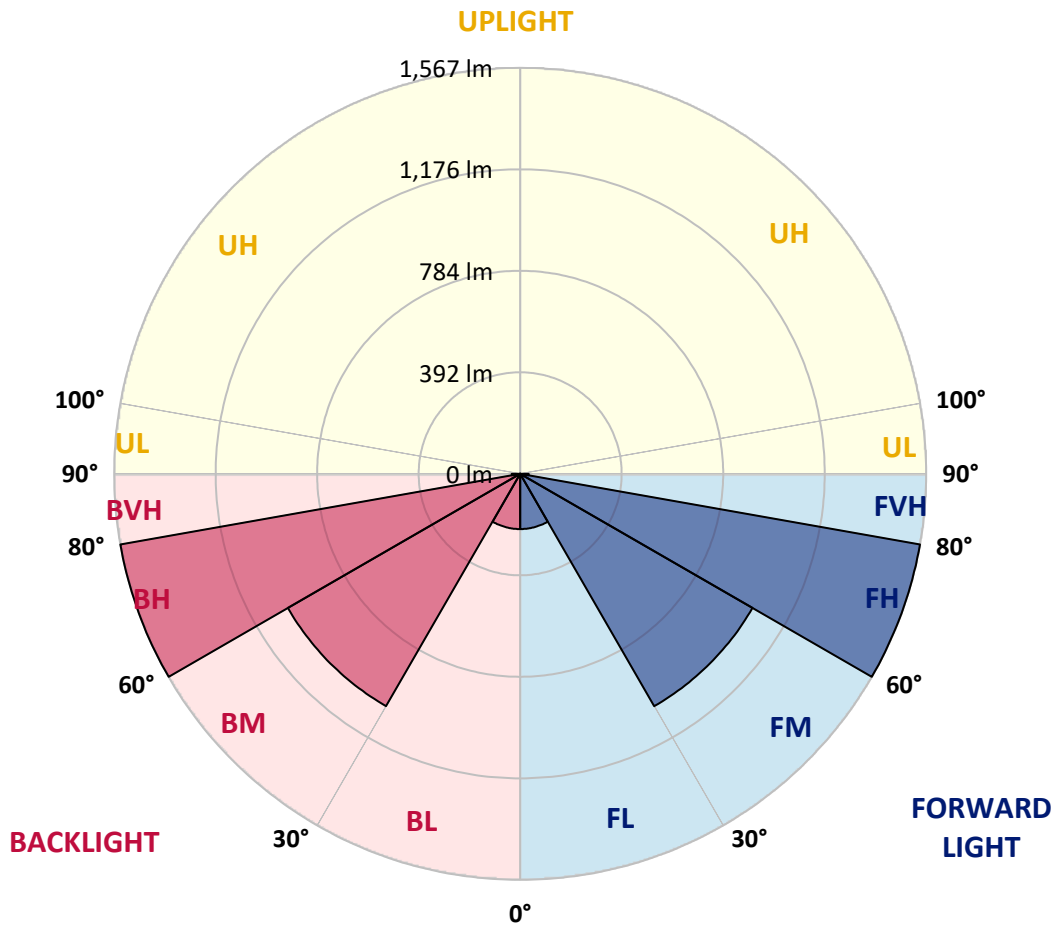
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	213.3	3.7			
FM (30°-60°)	1035.7	18.2			
FH (60°-80°)	1567.4	27.5			G1/1800
FVH (80°-90°)	32.6	0.6			G1/100
BL (0°-30°)	213.3	3.7	B1/500		
BM (30°-60°)	1035.7	18.2	B2/2500		
BH (60°-80°)	1567.4	27.5	B3/2500		G1/1800
BVH (80°-90°)	32.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	519.8	519.8	519.8	519.8	519.8	519.8	519.8	519.8	519.8	519.8
2.5°	516.5	518.0	517.4	516.2	516.2	515.3	516.2	516.8	517.7	518.3
5°	509.7	510.9	510.6	509.7	510.0	509.1	509.7	510.6	511.2	511.5
7.5°	503.8	505.0	504.4	502.9	502.9	502.0	502.3	503.2	504.1	504.4
10°	502.3	503.5	501.7	499.3	498.4	497.3	497.6	498.4	500.2	501.1
12.5°	502.9	503.8	502.0	498.4	497.6	496.4	496.4	497.3	499.6	500.8
15°	504.7	505.6	502.9	499.0	498.2	497.3	497.0	498.2	500.8	502.9
17.5°	507.9	508.8	504.7	499.3	498.2	498.4	498.2	499.0	503.2	507.0
20°	510.9	511.5	505.9	499.3	498.2	498.4	498.2	499.9	505.3	510.6
22.5°	511.8	512.4	507.0	501.4	500.5	500.8	500.5	502.3	507.3	512.7
25°	512.1	513.0	508.8	504.4	505.9	506.4	505.9	506.1	510.0	514.7
27.5°	516.5	517.7	513.8	510.0	510.9	510.6	511.5	512.4	515.3	520.1
30°	525.7	526.6	523.3	519.5	518.9	516.8	519.5	522.4	525.7	529.8
32.5°	540.8	542.6	538.4	534.3	531.6	530.4	532.5	537.5	542.0	546.4
35°	566.0	567.2	563.3	555.6	550.9	550.9	552.6	559.2	566.3	571.9
37.5°	601.5	603.0	596.2	587.0	579.9	579.9	582.3	589.1	599.7	607.7
40°	644.8	646.8	638.2	628.8	621.9	620.8	623.7	631.4	641.5	651.6
42.5°	696.9	699.2	688.0	679.7	674.4	674.4	675.9	683.0	692.1	704.6
45°	763.5	767.7	752.3	744.0	738.9	740.1	741.0	747.2	755.5	769.7
47.5°	842.9	847.0	830.7	822.2	821.3	826.9	823.3	827.8	832.2	848.5
50°	932.9	940.0	928.8	928.2	930.0	940.3	932.0	934.4	929.4	939.7
52.5°	1043.1	1053.5	1051.4	1054.9	1074.8	1096.1	1077.2	1068.9	1049.9	1053.2
55°	1176.7	1192.4	1195.3	1216.7	1261.7	1305.2	1264.9	1231.5	1191.2	1183.8
57.5°	1328.6	1341.0	1355.3	1398.8	1482.9	1560.2	1482.9	1408.9	1345.5	1330.4
60°	1492.1	1507.5	1521.1	1585.4	1710.4	1819.1	1708.0	1590.4	1506.6	1486.2
62.5°	1667.7	1687.6	1697.0	1768.4	1914.1	2043.8	1916.2	1773.7	1680.7	1658.8
65°	1836.2	1852.5	1863.2	1939.3	2078.5	2208.5	2088.0	1947.6	1851.9	1823.2
67.5°	1914.7	1923.6	1949.7	2035.8	2182.7	2331.1	2207.6	2045.0	1938.1	1887.8
70°	1799.8	1781.7	1844.5	1982.5	2195.2	2406.4	2223.6	1978.4	1847.5	1765.7
72.5°	1390.8	1359.7	1468.7	1704.7	2053.0	2358.4	2067.2	1718.1	1536.5	1370.7
75°	756.7	721.5	871.9	1170.5	1637.2	2044.1	1674.8	1203.9	970.8	751.1
77.5°	213.5	200.2	321.6	566.3	984.8	1435.2	1022.7	578.7	381.5	226.3
80°	65.5	63.4	85.9	170.6	418.2	687.4	401.9	172.7	109.3	69.0
82.5°	38.8	35.5	42.6	62.2	106.6	215.9	103.7	64.9	52.1	34.9
85°	22.2	20.7	25.2	30.2	35.8	45.9	29.9	30.8	27.8	18.7
87.5°	9.2	8.3	9.8	9.5	8.3	10.7	8.0	9.5	11.3	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
519.8
518.0
511.5
504.4
501.1
501.1
503.2
507.0
510.9
512.7
514.4
518.9
529.0
544.7
569.8
604.8
648.3
703.7
769.1
843.8
933.5
1042.2
1172.2
1319.7
1468.4
1641.1
1809.0
1888.4
1785.3
1411.8
799.9
251.4
72.9
37.9
19.5
6.8
0.0

OF REPORT)