

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: P938920

Luminaire Tested: **GALN-SB1B-740-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938920  
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-740-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6028 lumens  
Efficiency: N/A  
Efficacy: 151.5 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

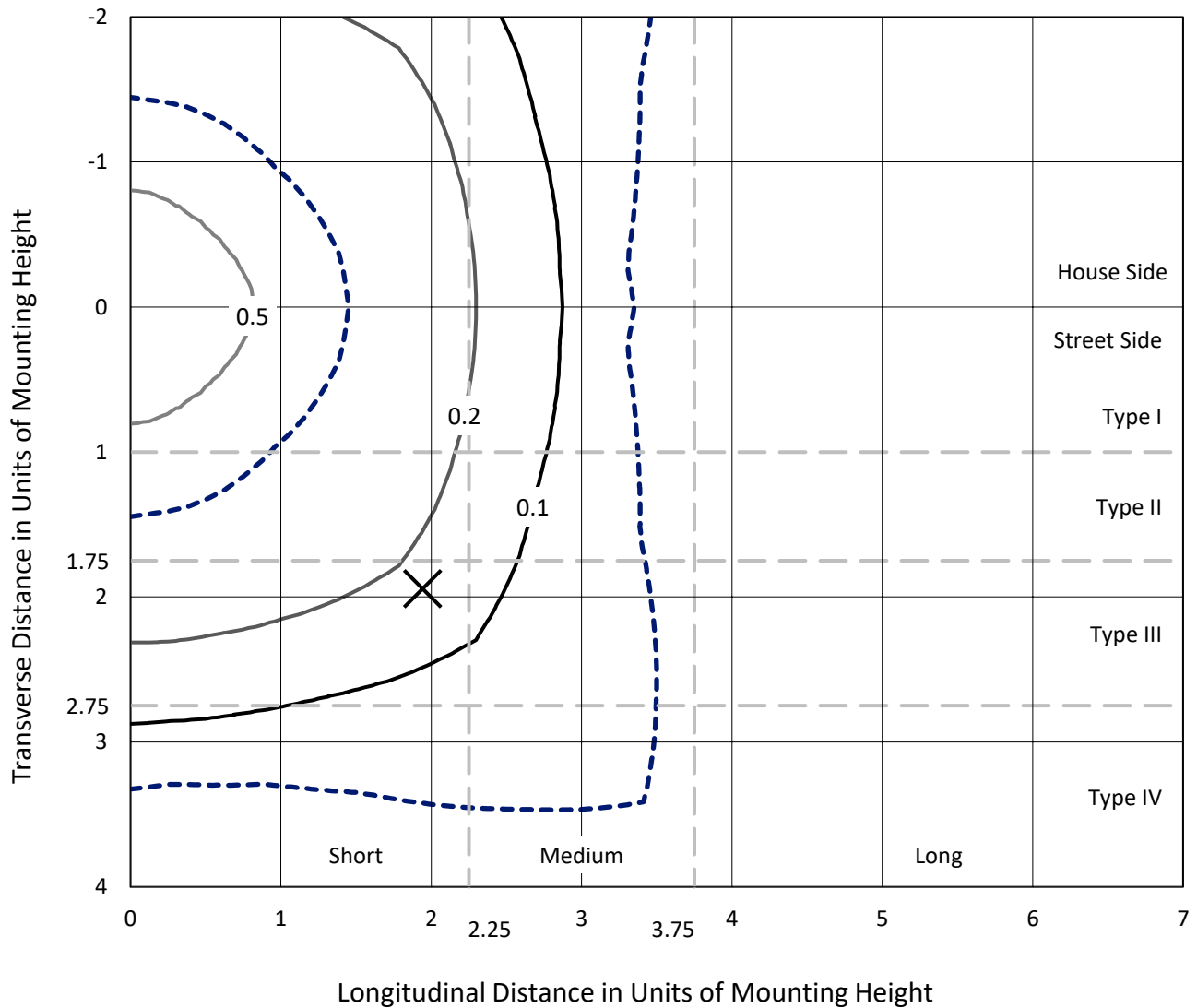
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

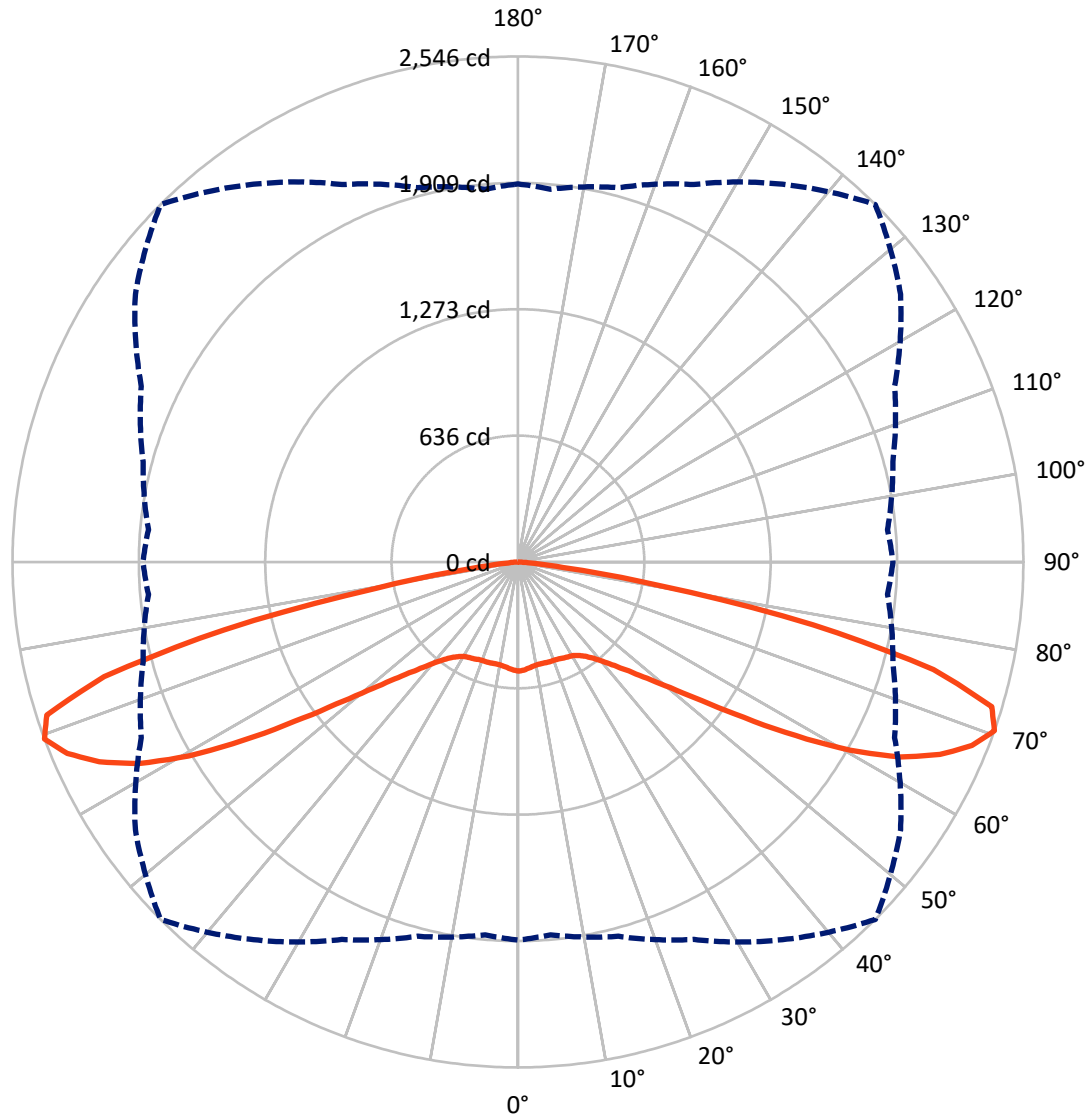
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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	3014.0	0.0	3014.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3014.0	0.0	3014.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6028.0	0.0	6028.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.2	0.8
10°-20°	150.2	2.5
20°-30°	249.9	4.1
30°-40°	378.0	6.3
40°-50°	628.1	10.4
50°-60°	1185.3	19.7
60°-70°	2001.4	33.2
70°-80°	1315.1	21.8
80°-90°	68.9	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°	6028.0	100.0
0°-180°	6028.0	100.0

**Coefficient of Utilization**



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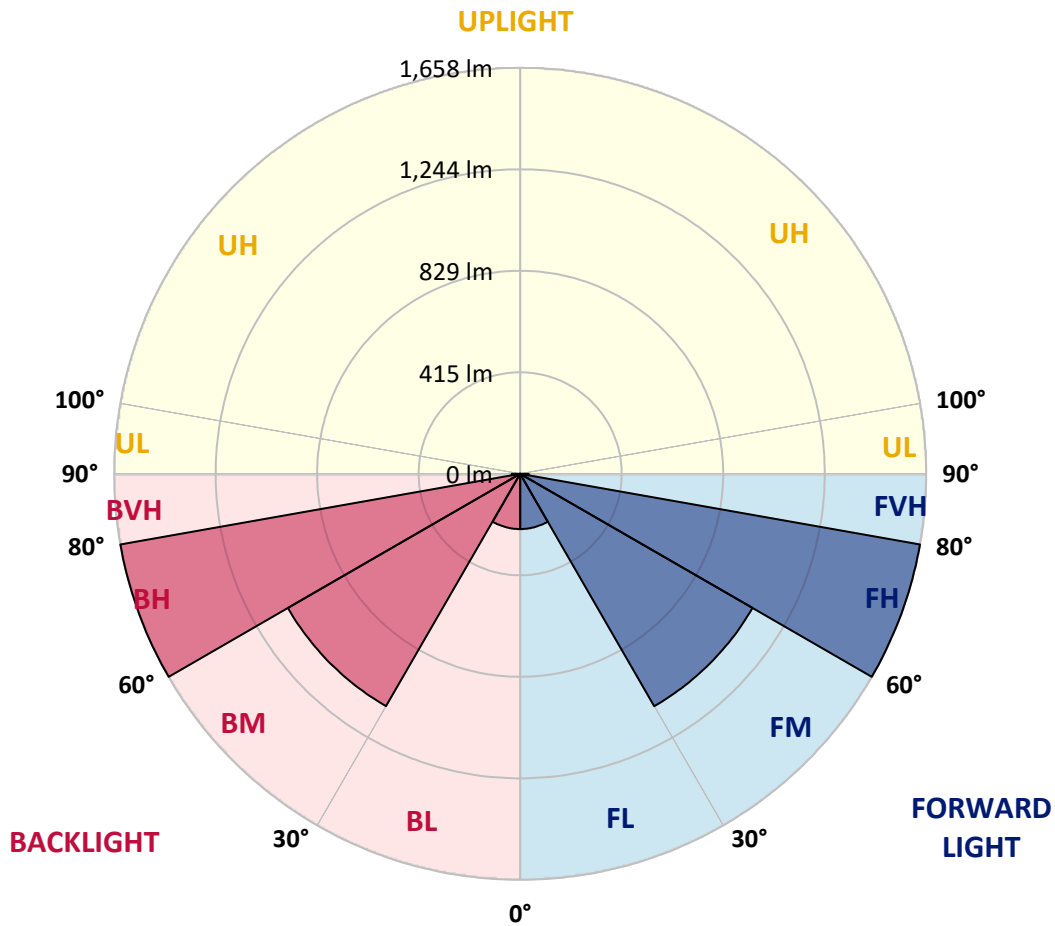
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.6	3.7			
FM (30°-60°)	1095.7	18.2			
FH (60°-80°)	1658.2	27.5			G1/1800
FVH (80°-90°)	34.4	0.6			G1/100
BL (0°-30°)	225.6	3.7	B1/500		
BM (30°-60°)	1095.7	18.2	B2/2500		
BH (60°-80°)	1658.2	27.5	B3/2500		G1/1800
BVH (80°-90°)	34.4	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°	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9
2.5°	546.4	548.0	547.4	546.1	546.1	545.2	546.1	546.7	547.7	548.3
5°	539.2	540.5	540.2	539.2	539.5	538.6	539.2	540.2	540.8	541.1
7.5°	533.0	534.2	533.6	532.0	532.0	531.1	531.4	532.3	533.3	533.6
10°	531.4	532.6	530.8	528.3	527.3	526.1	526.4	527.3	529.2	530.1
12.5°	532.0	533.0	531.1	527.3	526.4	525.1	525.1	526.1	528.6	529.8
15°	533.9	534.8	532.0	527.9	527.0	526.1	525.7	527.0	529.8	532.0
17.5°	537.3	538.3	533.9	528.3	527.0	527.3	527.0	527.9	532.3	536.4
20°	540.5	541.1	535.1	528.3	527.0	527.3	527.0	528.9	534.5	540.2
22.5°	541.4	542.0	536.4	530.4	529.5	529.8	529.5	531.4	536.7	542.4
25°	541.7	542.7	538.3	533.6	535.1	535.8	535.1	535.5	539.5	544.5
27.5°	546.4	547.7	543.6	539.5	540.5	540.2	541.1	542.0	545.2	550.2
30°	556.1	557.1	553.6	549.6	548.9	546.7	549.6	552.7	556.1	560.5
32.5°	572.1	574.0	569.6	565.2	562.4	561.2	563.3	568.7	573.4	578.1
35°	598.8	600.0	595.9	587.8	582.8	582.8	584.7	591.5	599.1	605.0
37.5°	636.4	637.9	630.7	621.0	613.5	613.5	616.0	623.2	634.5	642.9
40°	682.1	684.3	675.2	665.2	658.0	656.7	659.8	668.0	678.6	689.3
42.5°	737.2	739.7	727.8	719.1	713.4	713.4	715.0	722.5	732.2	745.4
45°	807.7	812.1	795.8	787.1	781.7	783.0	783.9	790.5	799.3	814.3
47.5°	891.7	896.1	878.9	869.8	868.8	874.8	871.0	875.7	880.4	897.7
50°	987.0	994.5	982.6	981.9	983.8	994.8	986.0	988.5	983.2	994.2
52.5°	1103.5	1114.5	1112.3	1116.0	1137.0	1159.6	1139.5	1130.8	1110.7	1114.2
55°	1244.8	1261.4	1264.6	1287.1	1334.7	1380.8	1338.2	1302.8	1260.2	1252.3
57.5°	1405.5	1418.7	1433.7	1479.8	1568.8	1650.6	1568.8	1490.5	1423.4	1407.4
60°	1578.5	1594.8	1609.2	1677.2	1809.4	1924.4	1806.9	1682.5	1593.9	1572.2
62.5°	1764.3	1785.3	1795.3	1870.8	2025.0	2162.2	2027.2	1876.5	1778.1	1754.9
65°	1942.6	1959.8	1971.1	2051.6	2198.9	2336.4	2208.9	2060.4	1959.2	1928.8
67.5°	2025.6	2035.0	2062.6	2153.8	2309.2	2466.1	2335.5	2163.5	2050.4	1997.1
70°	1904.0	1884.9	1951.4	2097.4	2322.3	2545.7	2352.4	2093.0	1954.5	1868.0
72.5°	1471.3	1438.4	1553.7	1803.5	2171.9	2495.0	2187.0	1817.6	1625.5	1450.0
75°	800.5	763.2	922.4	1238.2	1732.0	2162.5	1771.8	1273.6	1027.1	794.6
77.5°	225.9	211.8	340.3	599.1	1041.8	1518.3	1081.9	612.2	403.6	239.4
80°	69.2	67.1	90.9	180.5	442.4	727.2	425.2	182.7	115.6	73.0
82.5°	41.0	37.6	45.1	65.8	112.8	228.4	109.7	68.6	55.1	37.0
85°	23.5	21.9	26.6	32.0	37.9	48.6	31.6	32.6	29.5	19.7
87.5°	9.7	8.8	10.3	10.0	8.8	11.3	8.5	10.0	11.9	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
549.9
548.0
541.1
533.6
530.1
530.1
532.3
536.4
540.5
542.4
544.2
548.9
559.6
576.2
602.8
639.8
685.9
744.4
813.7
892.6
987.6
1102.6
1240.1
1396.1
1553.4
1736.1
1913.8
1997.7
1888.7
1493.6
846.3
266.0
77.1
40.1
20.7
7.2
0.0

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