

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: P945275

Luminaire Tested: **GALN-SB1B-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
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-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6137 lumens
Efficiency: N/A
Efficacy: 154.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

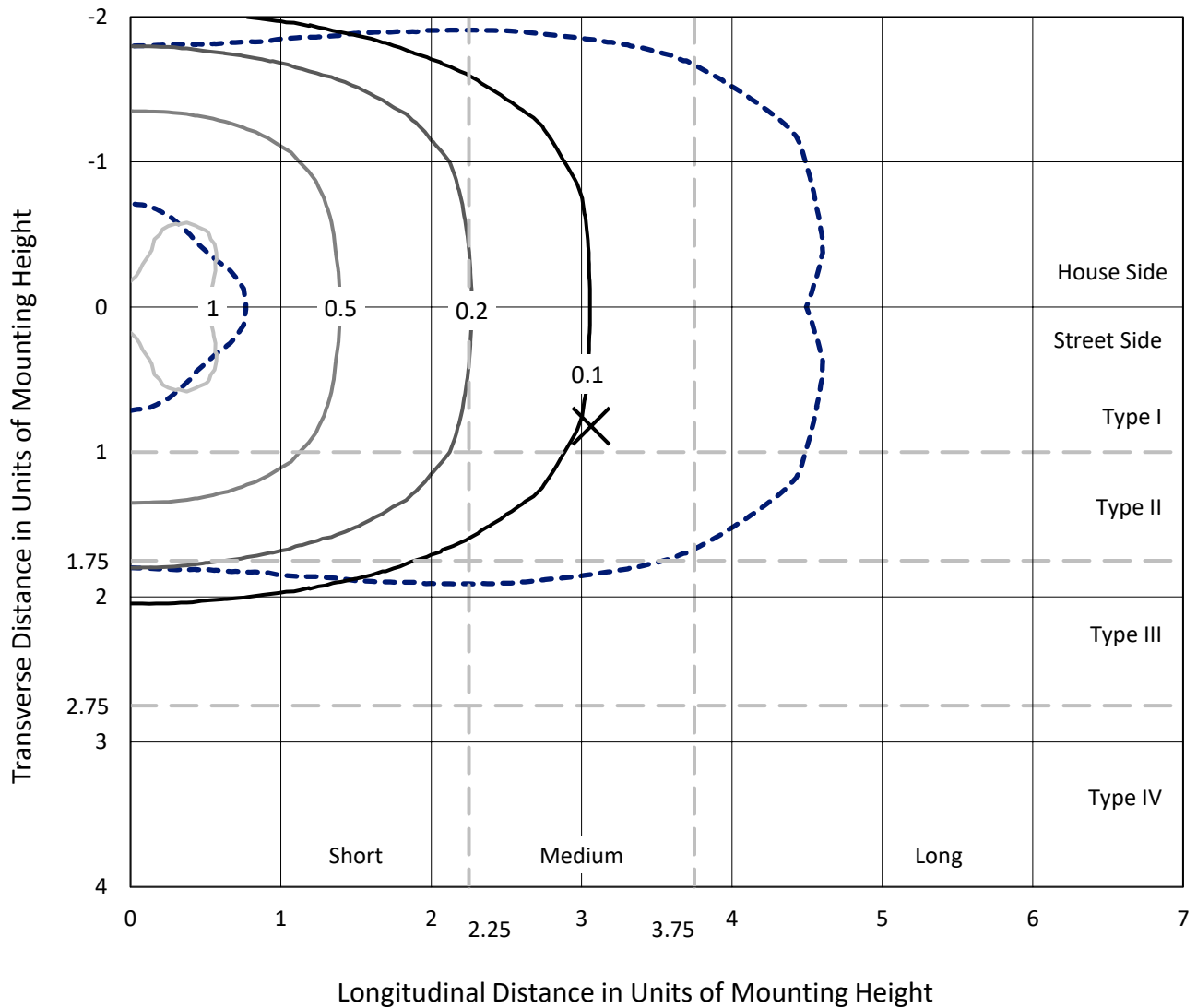
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

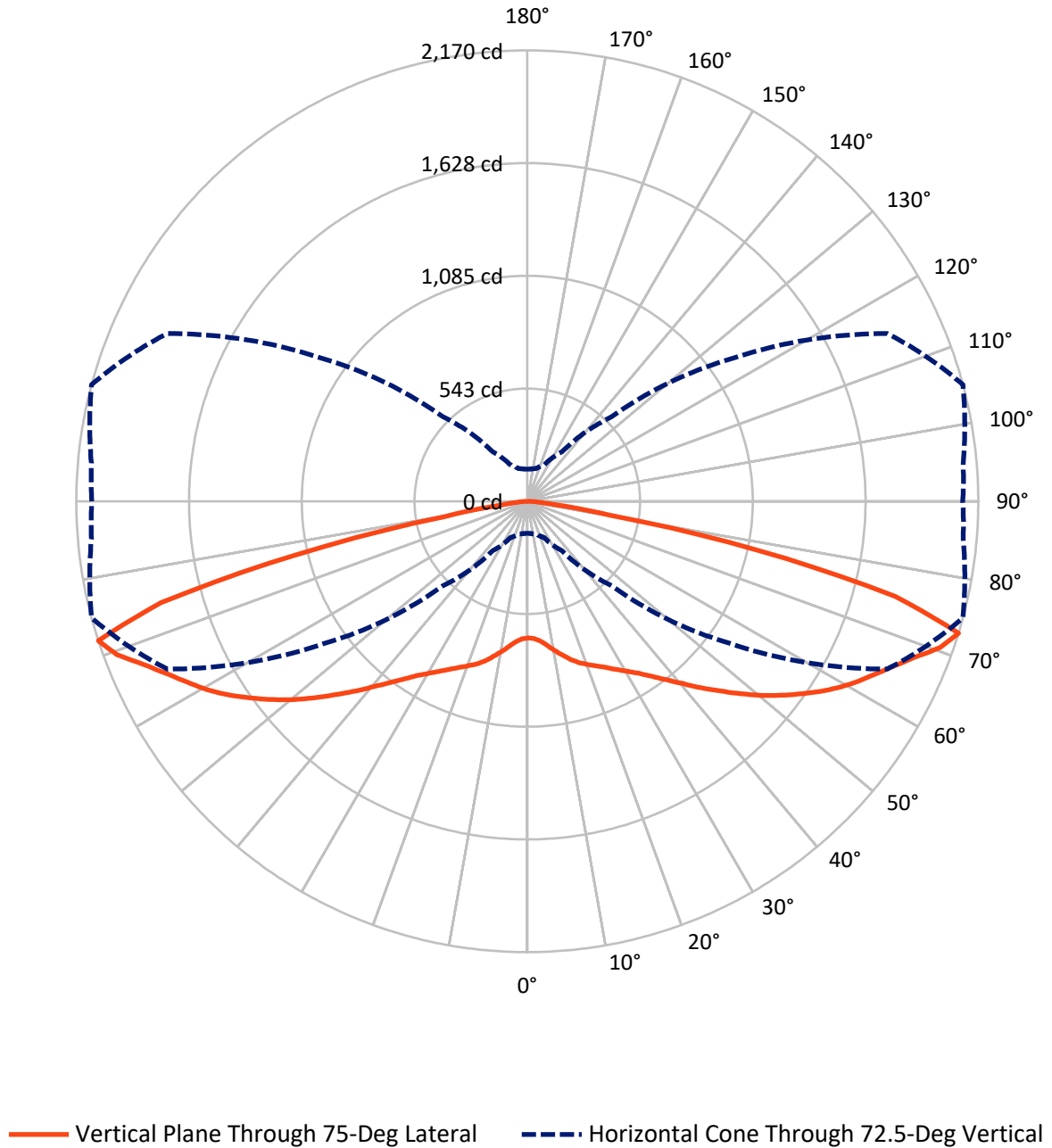
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3068.5	0.0	3068.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3068.5	0.0	3068.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6137.0	0.0	6137.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.0
10°-20°	212.4	3.5
20°-30°	410.4	6.7
30°-40°	693.0	11.3
40°-50°	1099.0	17.9
50°-60°	1471.4	24.0
60°-70°	1400.3	22.8
70°-80°	730.7	11.9
80°-90°	55.3	0.9
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°	6137.0	100.0
0°-180°	6137.0	100.0

Coefficient of Utilization



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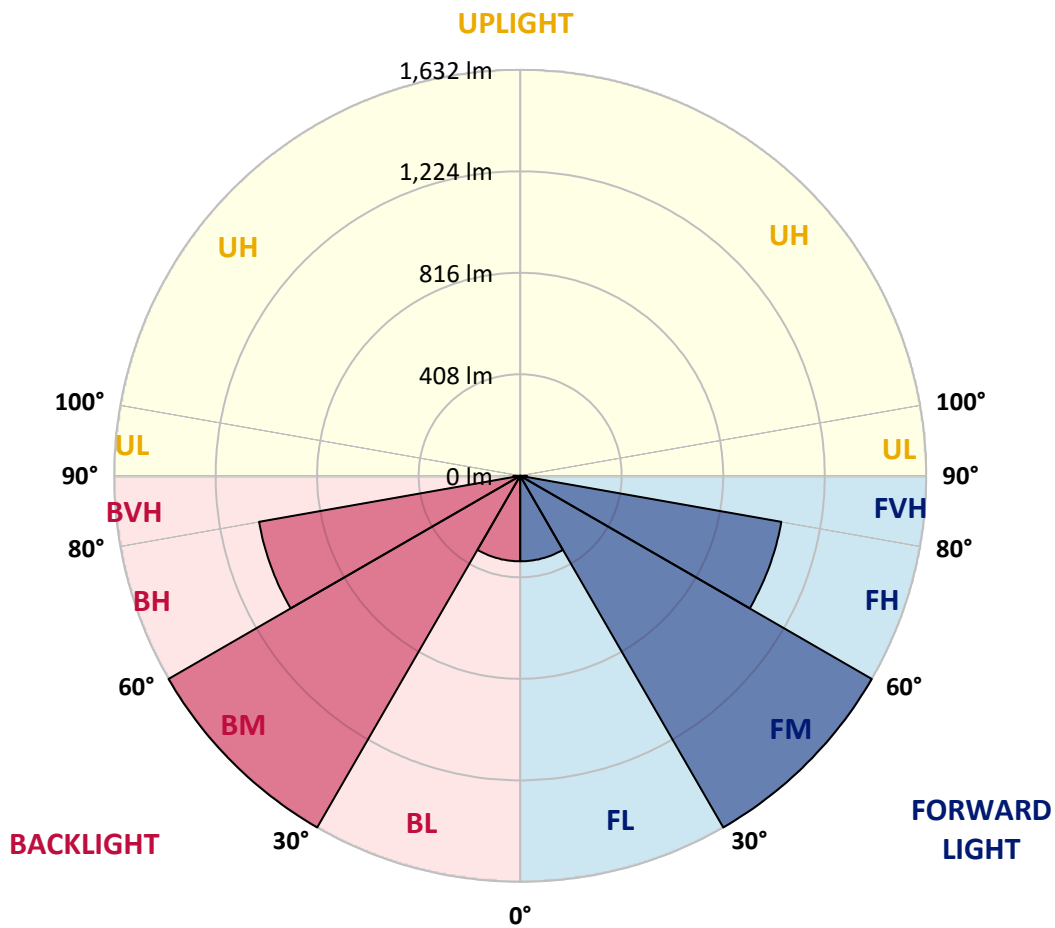
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	343.6	5.6			
FM (30°-60°)	1631.7	26.6			
FH (60°-80°)	1065.5	17.4			G1/1800
FVH (80°-90°)	27.7	0.5			G1/100
BL (0°-30°)	343.6	5.6	B1/500		
BM (30°-60°)	1631.7	26.6	B2/2500		
BH (60°-80°)	1065.5	17.4	B3/2500		G3/2500
BVH (80°-90°)	27.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	657.4	657.4	657.4	657.4	657.4	657.4	657.4	657.4	657.4	657.4
2.5°	657.4	656.8	657.4	658.0	657.7	657.7	659.3	660.2	662.1	661.8
5°	653.0	652.7	655.2	658.0	660.2	664.0	668.7	672.1	676.5	677.4
7.5°	650.8	649.9	654.2	659.3	666.2	675.6	684.6	694.0	701.6	704.1
10°	652.4	652.7	658.6	668.0	679.0	692.2	705.0	721.0	731.6	734.2
12.5°	659.6	658.9	669.0	684.0	699.1	715.7	730.7	748.3	759.8	765.8
15°	672.7	671.5	685.6	707.8	729.8	749.2	761.4	778.0	791.5	799.0
17.5°	688.4	689.0	707.5	736.3	765.2	787.1	798.7	807.2	817.5	824.1
20°	716.0	717.2	737.9	772.1	805.0	830.0	839.4	836.3	839.1	844.1
22.5°	753.0	753.6	776.8	813.7	848.2	875.8	882.0	869.2	861.4	864.8
25°	795.9	800.0	823.1	861.1	896.5	922.8	925.6	906.2	886.7	887.7
27.5°	848.2	852.0	875.5	913.1	949.1	972.0	971.7	945.7	917.1	909.9
30°	904.9	909.0	933.1	972.0	1005.5	1025.6	1021.2	990.1	949.4	935.9
32.5°	972.3	974.8	999.2	1038.1	1069.1	1085.1	1076.0	1037.8	987.0	971.7
35°	1053.8	1057.5	1075.7	1112.3	1139.6	1152.8	1137.4	1092.3	1035.3	1018.0
37.5°	1146.8	1144.3	1165.0	1197.6	1220.1	1228.3	1207.3	1153.7	1090.4	1070.0
40°	1244.0	1242.7	1265.3	1296.6	1308.8	1313.8	1282.8	1224.2	1154.0	1132.1
42.5°	1332.0	1331.1	1361.5	1396.2	1411.0	1405.3	1366.2	1299.1	1227.7	1202.6
45°	1402.5	1401.2	1438.5	1487.4	1516.2	1506.8	1454.2	1381.8	1302.2	1276.2
47.5°	1456.7	1457.3	1497.4	1557.9	1608.4	1611.8	1544.1	1466.1	1384.3	1354.9
50°	1495.9	1497.8	1540.7	1607.7	1676.7	1707.1	1635.9	1552.6	1469.2	1436.0
52.5°	1505.6	1509.0	1560.7	1639.4	1720.5	1778.5	1729.3	1635.6	1549.8	1518.1
55°	1453.9	1460.8	1526.3	1636.9	1747.5	1825.5	1811.4	1719.9	1630.9	1598.3
57.5°	1335.1	1344.8	1421.3	1565.7	1741.5	1857.8	1875.0	1800.8	1712.1	1680.7
60°	1168.7	1180.3	1253.7	1411.3	1657.6	1869.7	1919.8	1879.4	1786.7	1756.3
62.5°	917.8	932.8	1020.5	1205.4	1480.2	1814.2	1958.0	1950.5	1853.7	1815.8
65°	588.8	604.7	697.2	915.6	1243.6	1644.4	1970.0	2019.8	1924.5	1871.6
67.5°	355.0	362.2	408.0	554.9	909.0	1388.4	1869.1	2096.5	2007.2	1941.4
70°	227.2	231.2	258.5	325.9	513.9	1013.0	1619.0	2111.0	2107.5	2013.2
72.5°	154.2	155.4	162.6	193.0	290.8	575.6	1194.1	1911.0	2170.2	2105.6
75°	112.8	119.7	131.3	136.6	165.1	287.6	684.3	1342.7	1829.0	1857.2
77.5°	84.0	84.3	100.3	106.5	117.8	153.2	289.5	749.5	1135.5	1192.3
80°	71.1	67.4	67.1	85.9	88.7	95.6	129.4	258.8	406.7	246.6
82.5°	59.2	55.1	49.8	67.1	60.5	58.6	56.1	105.3	129.4	63.6
85°	41.4	39.5	37.6	43.9	34.5	29.5	26.9	49.2	54.5	26.9
87.5°	17.9	18.5	18.8	19.4	14.4	10.3	10.3	13.8	13.8	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
657.4
661.5
677.4
704.7
736.7
768.3
801.8
827.2
847.9
867.3
889.3
912.1
937.5
975.4
1020.5
1073.8
1139.3
1208.9
1282.2
1363.6
1446.1
1526.3
1607.4
1688.0
1762.8
1820.2
1878.1
1946.5
2012.6
2095.6
1788.8
1063.5
186.4
54.2
23.8
7.8
0.0

OF REPORT)