

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: P945272

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
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-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6245 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

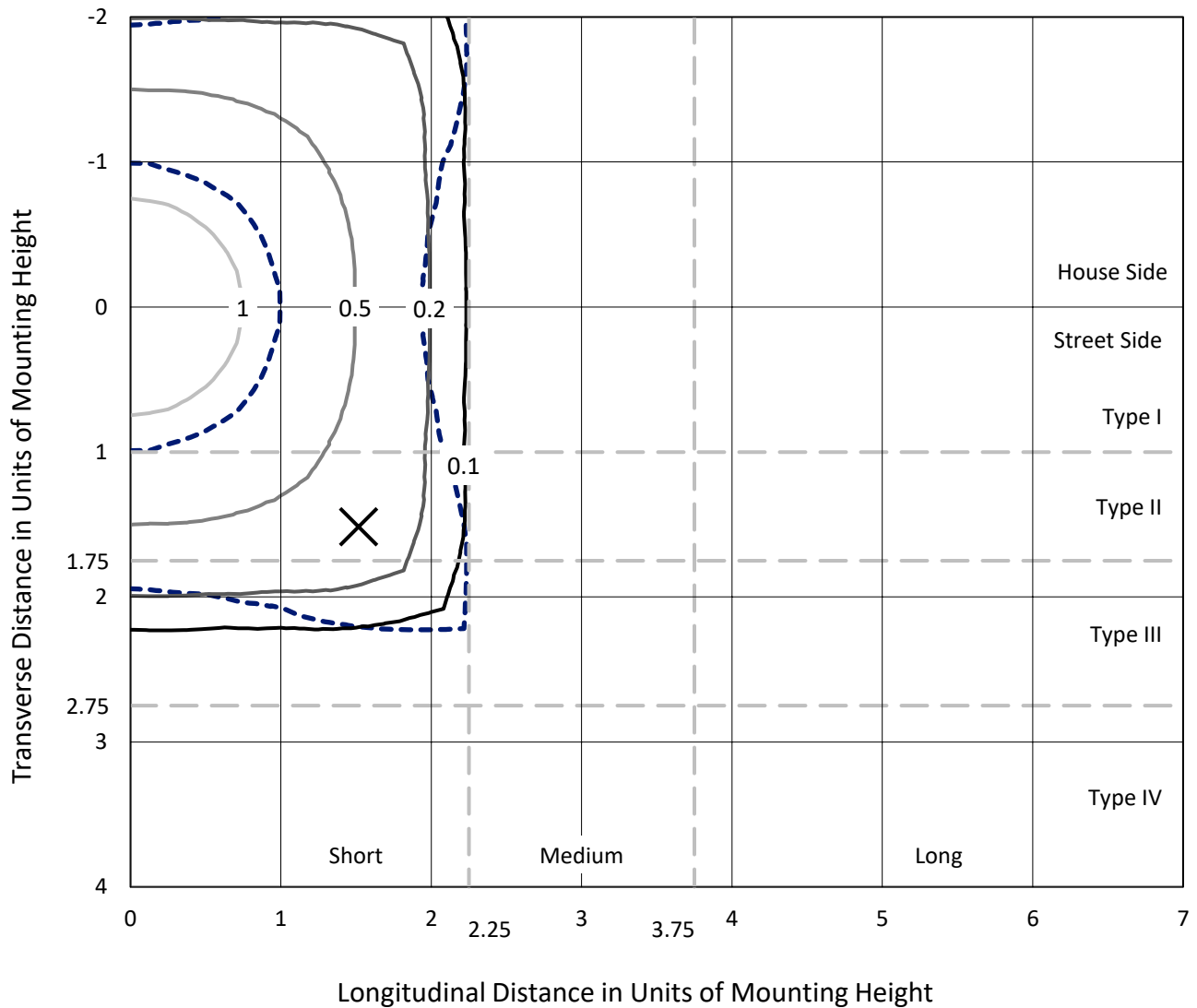
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

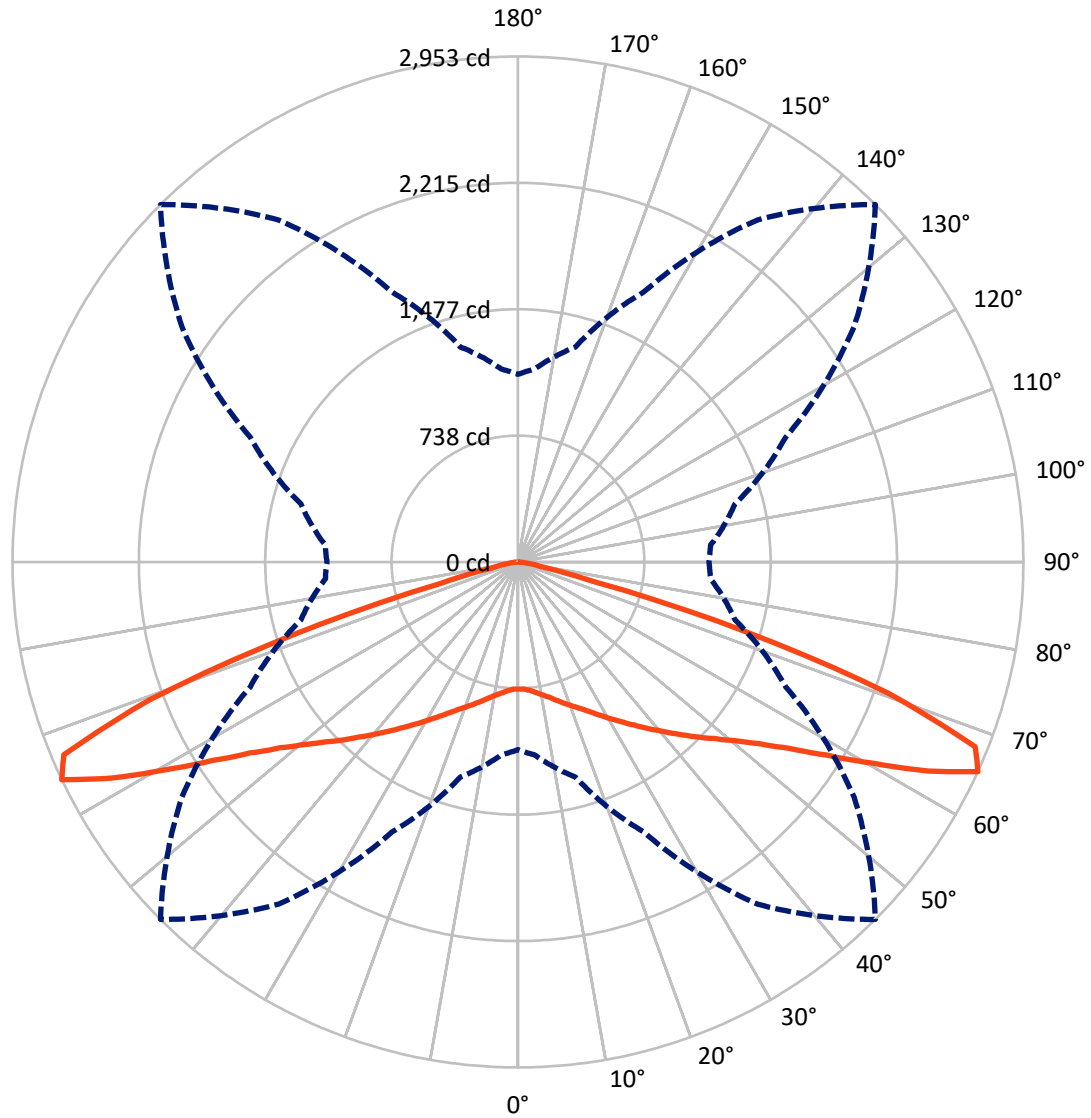
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3122.5	0.0	3122.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3122.5	0.0	3122.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6245.0	0.0	6245.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	1.2
10°-20°	239.3	3.8
20°-30°	451.9	7.2
30°-40°	740.0	11.8
40°-50°	1147.3	18.4
50°-60°	1694.9	27.1
60°-70°	1613.3	25.8
70°-80°	260.3	4.2
80°-90°	24.5	0.4
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°	6245.0	100.0
0°-180°	6245.0	100.0

Coefficient of Utilization



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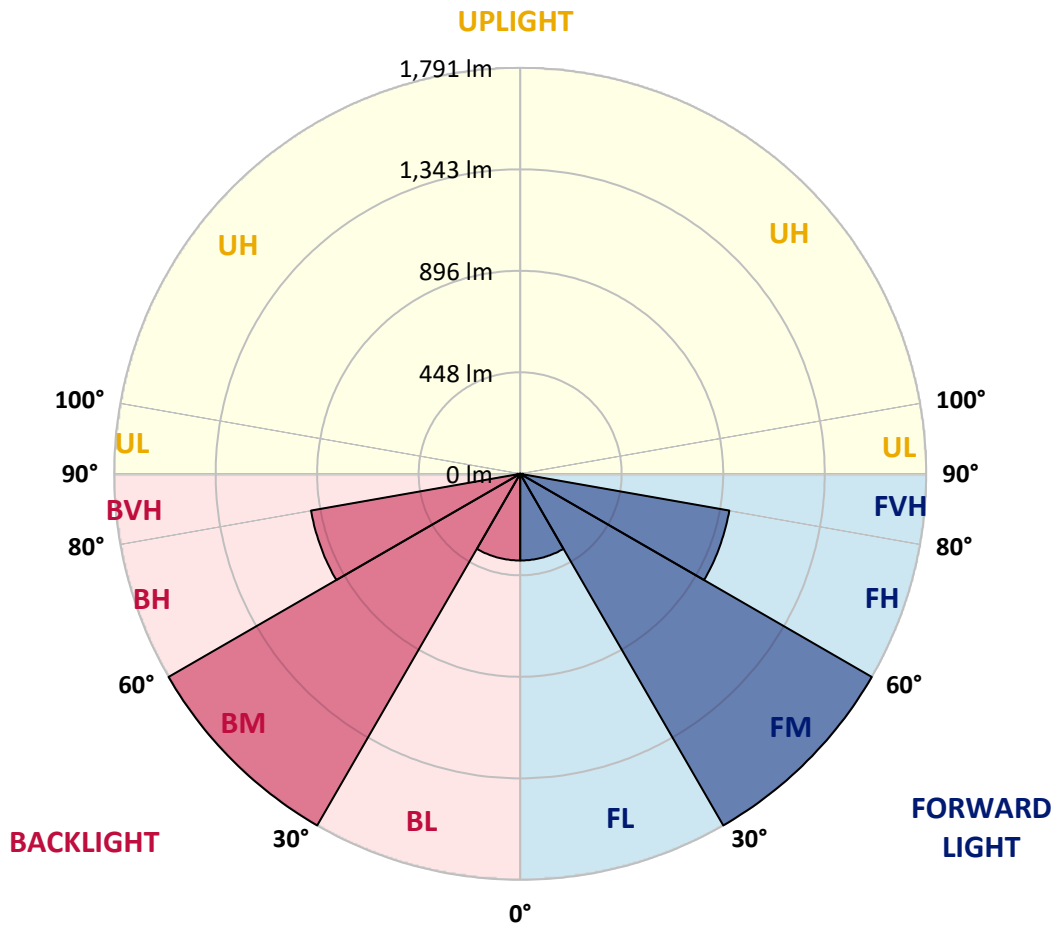
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.3	6.1			
FM (30°-60°)	1791.1	28.7			
FH (60°-80°)	936.8	15.0			G1/1800
FVH (80°-90°)	12.3	0.2			G1/100
BL (0°-30°)	382.3	6.1	B1/500		
BM (30°-60°)	1791.1	28.7	B2/2500		
BH (60°-80°)	936.8	15.0	B2/1000		G1/1800
BVH (80°-90°)	12.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	743.2	743.2	743.2	743.2	743.2	743.2	743.2	743.2	743.2	743.2
2.5°	748.2	745.7	747.6	746.0	744.8	743.5	744.2	746.4	747.3	747.6
5°	758.3	756.1	757.0	757.0	754.8	754.2	754.5	756.1	757.9	757.9
7.5°	774.6	772.4	774.6	773.3	771.4	770.8	770.5	771.7	774.6	774.6
10°	794.3	791.8	793.0	792.4	790.2	789.3	789.0	790.8	793.4	793.0
12.5°	815.9	813.1	814.7	812.8	812.1	811.2	811.2	810.9	812.5	811.2
15°	840.0	838.2	838.8	837.5	838.5	837.8	835.3	834.1	834.7	832.8
17.5°	868.5	864.2	866.4	865.7	865.7	867.0	862.9	861.3	862.6	860.7
20°	901.4	897.1	898.0	896.7	895.2	896.4	891.4	892.7	893.6	892.4
22.5°	937.5	931.8	931.5	932.2	928.7	929.0	925.6	928.7	930.6	927.1
25°	974.5	968.5	972.6	971.0	966.6	967.6	965.1	968.2	969.8	965.4
27.5°	1013.6	1009.5	1013.3	1014.2	1008.9	1012.7	1008.9	1011.7	1013.3	1006.7
30°	1059.4	1055.3	1058.7	1061.2	1055.0	1060.9	1057.8	1059.7	1060.0	1052.2
32.5°	1109.2	1102.9	1111.7	1112.9	1106.1	1113.3	1109.2	1111.7	1113.3	1102.6
35°	1170.0	1162.1	1172.2	1170.6	1164.6	1170.6	1166.8	1170.6	1174.4	1161.5
37.5°	1235.5	1227.3	1238.0	1235.1	1229.5	1233.6	1231.4	1233.9	1239.8	1226.1
40°	1307.5	1297.5	1311.9	1306.9	1301.6	1300.9	1302.2	1303.8	1311.6	1296.2
42.5°	1384.6	1373.9	1395.6	1387.7	1380.2	1375.2	1379.3	1382.4	1389.9	1372.7
45°	1472.6	1460.4	1488.6	1479.2	1467.3	1457.0	1463.6	1468.3	1479.2	1458.5
47.5°	1569.8	1556.0	1586.1	1583.3	1563.8	1541.3	1556.3	1569.8	1577.9	1552.9
50°	1664.7	1654.1	1693.5	1697.0	1673.2	1641.5	1662.5	1682.9	1685.1	1652.2
52.5°	1753.7	1743.1	1800.4	1822.0	1800.7	1763.1	1785.4	1806.0	1789.4	1746.8
55°	1824.8	1816.1	1889.1	1944.8	1952.0	1921.0	1934.2	1933.6	1879.0	1813.6
57.5°	1842.1	1840.8	1932.9	2051.1	2126.3	2130.0	2104.0	2037.6	1920.1	1832.0
60°	1763.7	1771.6	1898.1	2106.5	2307.0	2390.4	2277.9	2088.3	1873.4	1751.2
62.5°	1529.4	1550.0	1702.6	2038.8	2453.1	2689.9	2417.3	2011.3	1681.6	1522.2
65°	1096.0	1132.1	1300.6	1739.9	2439.9	2953.1	2397.3	1725.8	1313.2	1129.2
67.5°	497.3	533.9	677.1	1191.3	2120.9	2881.7	2115.9	1203.8	710.9	535.8
70°	180.2	186.4	232.5	476.9	1355.5	2296.1	1413.4	480.3	247.2	198.7
72.5°	109.0	110.0	119.7	170.8	470.9	1394.0	491.0	176.4	122.2	108.4
75°	69.2	68.6	85.2	104.3	167.0	470.3	175.2	104.3	84.9	77.4
77.5°	49.8	51.4	61.1	78.0	105.3	159.5	103.4	74.6	61.1	50.1
80°	37.3	38.2	44.5	60.8	73.9	99.3	65.8	55.1	46.1	31.3
82.5°	26.9	26.9	29.1	44.2	45.1	53.6	35.7	38.9	30.4	22.2
85°	16.0	15.7	18.2	26.3	23.5	19.7	16.3	23.8	19.1	13.8
87.5°	5.6	6.0	5.6	7.5	6.3	5.3	5.0	6.6	5.3	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
743.2
747.6
757.9
773.6
792.4
811.8
833.1
862.3
895.2
930.6
970.4
1011.7
1056.9
1109.8
1169.3
1234.5
1301.3
1381.8
1469.2
1561.3
1656.3
1748.1
1815.7
1826.4
1736.8
1512.8
1115.8
528.0
196.1
110.3
78.0
51.1
32.3
22.2
13.5
4.4
0.0

OF REPORT)