

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: P939323

Luminaire Tested: **GALN-SB1D-840-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1D-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9632 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

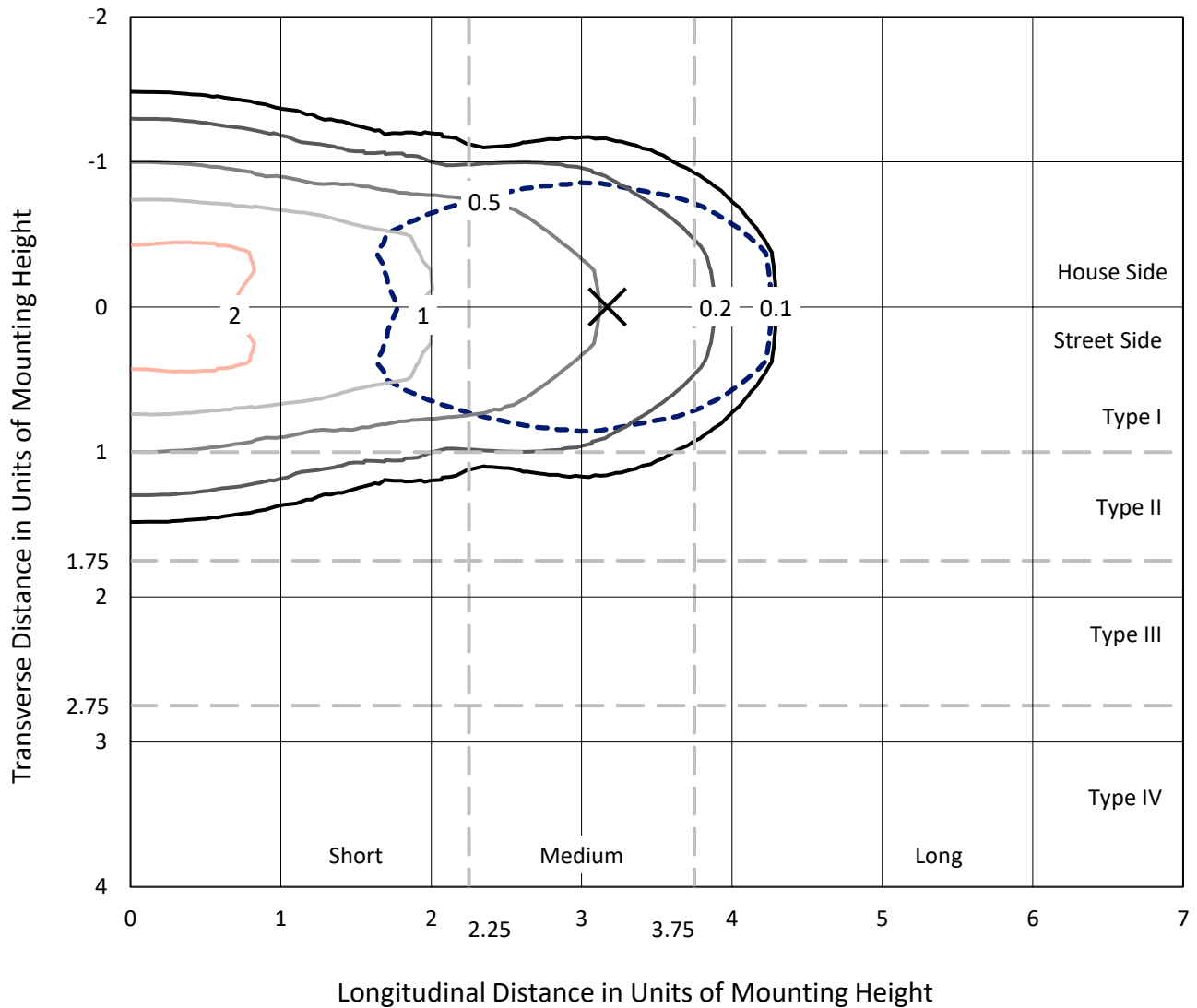
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

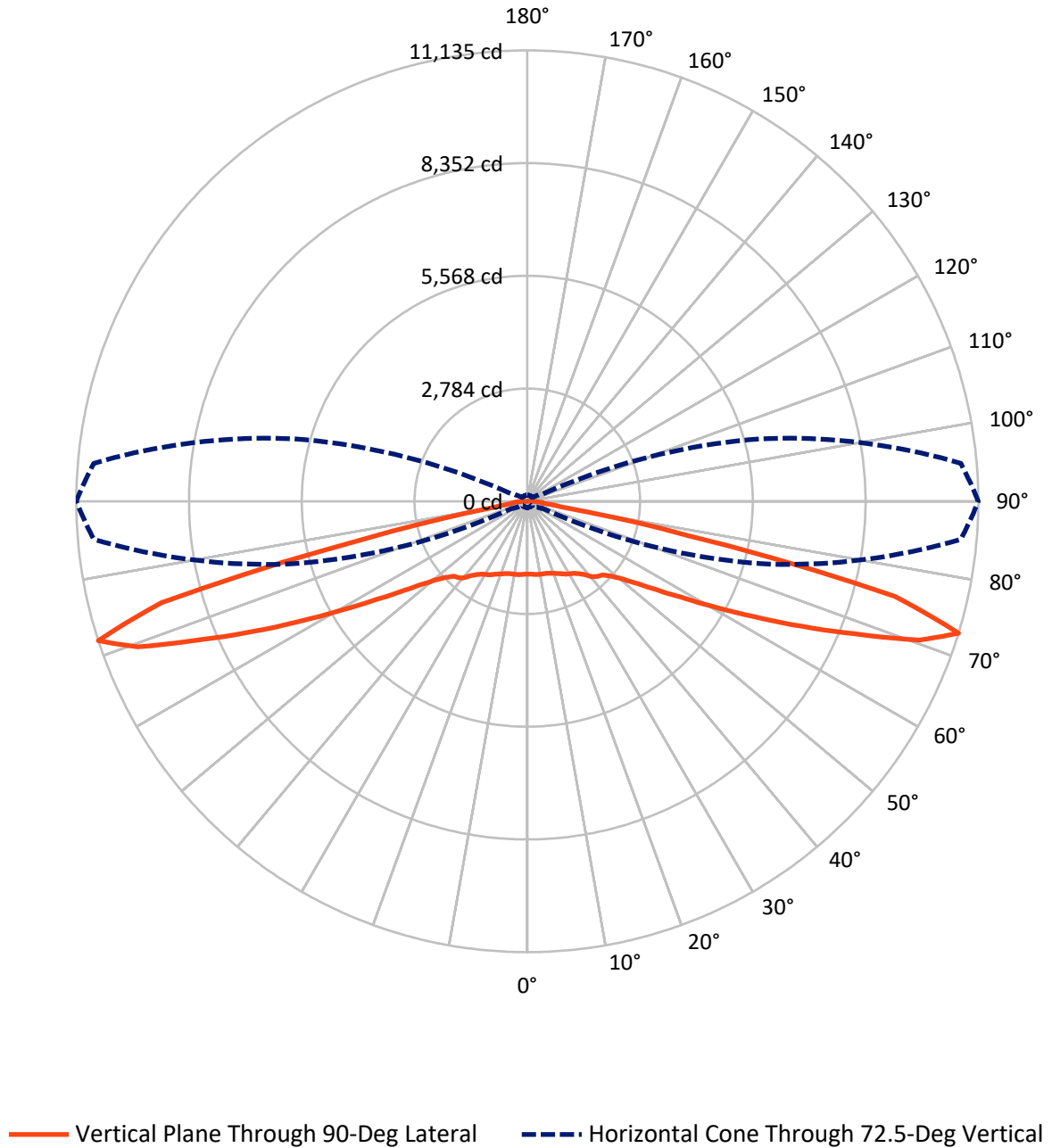
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4816.0	0.0	4816.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4816.0	0.0	4816.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9632.0	0.0	9632.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.5	1.8
10°-20°	533.6	5.5
20°-30°	889.7	9.2
30°-40°	1223.7	12.7
40°-50°	1494.4	15.5
50°-60°	1728.5	17.9
60°-70°	2060.9	21.4
70°-80°	1438.4	14.9
80°-90°	88.4	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°	9632.0	100.0
0°-180°	9632.0	100.0

Coefficient of Utilization



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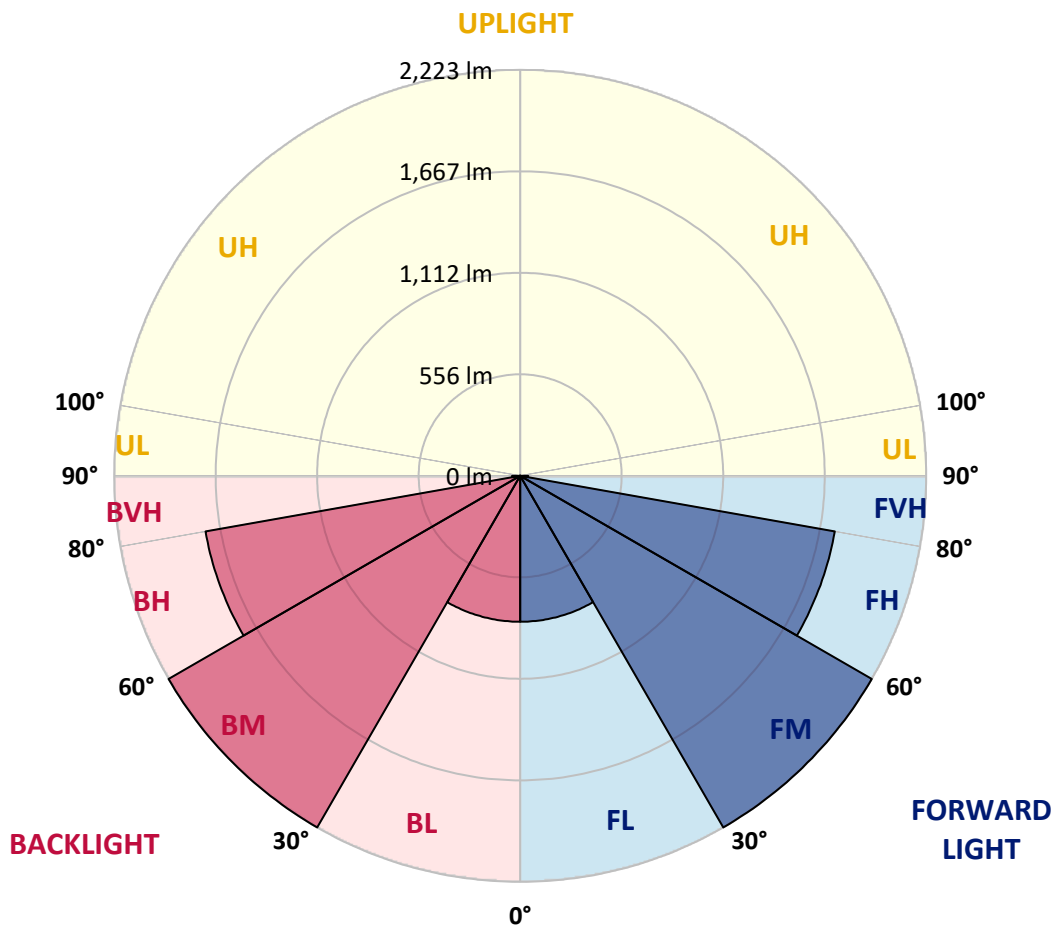
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	798.9	8.3			
FM (30°-60°)	2223.3	23.1			
FH (60°-80°)	1749.6	18.2			G1/1800
FVH (80°-90°)	44.2	0.5			G1/100
BL (0°-30°)	798.9	8.3	B2/1000		
BM (30°-60°)	2223.3	23.1	B2/2500		
BH (60°-80°)	1749.6	18.2	B3/2500		G3/2500
BVH (80°-90°)	44.2	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1799.8	1799.8	1799.8	1799.8	1799.8	1799.8	1799.8	1799.8	1799.8	1799.8
2.5°	1801.4	1803.4	1803.4	1801.9	1805.5	1802.4	1802.4	1800.9	1802.4	1800.9
5°	1810.6	1813.2	1814.2	1813.7	1818.3	1815.7	1815.7	1813.7	1814.2	1812.6
7.5°	1828.0	1831.6	1833.6	1836.2	1842.8	1839.8	1837.7	1831.6	1829.0	1824.9
10°	1833.6	1837.7	1844.4	1857.7	1873.0	1873.6	1867.4	1852.1	1840.3	1831.1
12.5°	1816.2	1821.9	1835.7	1862.8	1897.1	1910.9	1901.2	1875.6	1852.6	1836.2
15°	1794.2	1800.4	1821.3	1862.3	1913.0	1945.2	1944.2	1910.4	1873.6	1848.0
17.5°	1759.9	1766.1	1796.3	1853.6	1925.3	1978.5	1992.8	1958.0	1906.3	1872.0
20°	1698.0	1703.6	1745.6	1825.9	1929.4	2013.8	2051.2	2020.5	1956.0	1909.4
22.5°	1617.6	1626.3	1675.4	1778.3	1919.6	2050.7	2117.7	2096.7	2013.8	1949.3
25°	1531.6	1540.8	1598.2	1720.0	1894.5	2077.3	2196.6	2183.3	2079.3	1999.0
27.5°	1457.4	1467.1	1529.6	1662.1	1855.6	2087.5	2274.4	2281.0	2158.7	2053.7
30°	1399.0	1408.2	1474.8	1615.6	1805.5	2077.3	2342.5	2388.5	2239.6	2101.4
32.5°	1335.0	1346.8	1416.9	1558.7	1746.1	2052.7	2401.8	2504.7	2333.2	2152.5
35°	1254.2	1264.9	1338.6	1480.9	1668.3	2013.3	2451.5	2633.7	2467.4	2230.3
37.5°	1155.9	1166.1	1239.3	1383.7	1591.0	1958.0	2489.4	2779.1	2627.1	2342.5
40°	1057.1	1066.8	1135.4	1275.1	1498.3	1887.4	2502.7	2921.4	2810.3	2496.5
42.5°	966.5	975.2	1038.1	1168.2	1394.4	1797.3	2485.3	3045.3	2974.7	2604.0
45°	883.0	890.7	946.5	1067.8	1286.4	1687.7	2433.1	3178.4	3170.2	2680.8
47.5°	787.8	795.5	853.3	970.6	1178.4	1559.2	2344.5	3309.4	3442.0	2854.9
50°	671.6	678.3	737.6	858.5	1066.3	1422.6	2221.6	3412.3	3785.0	3118.5
52.5°	533.9	541.1	598.9	719.7	933.2	1275.7	2059.9	3479.4	4181.2	3503.4
55°	397.2	402.4	452.5	561.0	768.4	1108.3	1857.2	3498.3	4630.6	4029.7
57.5°	288.2	291.3	323.5	404.4	582.5	898.9	1610.9	3449.2	5165.6	4704.4
60°	233.4	234.5	244.2	280.0	404.9	662.4	1313.5	3280.3	5746.1	5574.1
62.5°	211.9	211.9	214.5	224.2	273.9	437.2	953.7	2930.1	6368.5	6673.1
65°	197.1	197.1	198.1	202.7	216.0	278.5	602.0	2359.9	6893.2	7960.6
67.5°	183.8	184.3	183.8	185.3	193.0	205.8	349.1	1629.9	7175.8	9294.6
70°	170.0	171.0	168.4	168.4	174.6	175.1	218.6	893.8	6941.4	10412.6
72.5°	153.6	155.1	151.0	150.0	154.6	152.5	164.3	429.0	5959.5	10746.3
75°	139.2	141.3	132.1	129.5	129.5	128.0	133.6	220.1	3867.9	8766.3
77.5°	126.4	130.5	115.7	107.5	105.5	100.8	109.0	134.6	1691.8	4115.7
80°	104.4	110.1	95.2	85.5	81.9	76.8	86.0	94.2	503.2	955.7
82.5°	77.8	80.4	67.6	60.9	57.8	54.3	64.5	65.5	163.8	338.4
85°	49.7	50.7	41.5	35.8	34.3	32.8	41.0	35.8	62.5	248.8
87.5°	17.4	20.0	15.9	14.3	15.4	12.8	18.9	10.7	17.4	175.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1799.8
1800.9
1812.6
1824.9
1829.5
1833.6
1843.9
1866.4
1900.7
1937.5
1982.6
2036.3
2076.3
2120.8
2195.0
2295.4
2446.4
2539.5
2593.8
2754.5
2992.6
3348.3
3835.7
4460.2
5266.4
6261.1
7439.4
8732.0
10264.6
11135.4
9376.5
4030.2
915.3
382.4
361.4
217.6
0.0

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