

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: P940320

Luminaire Tested: **GALN-SB3B-830-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940320
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-SB3B-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15356 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

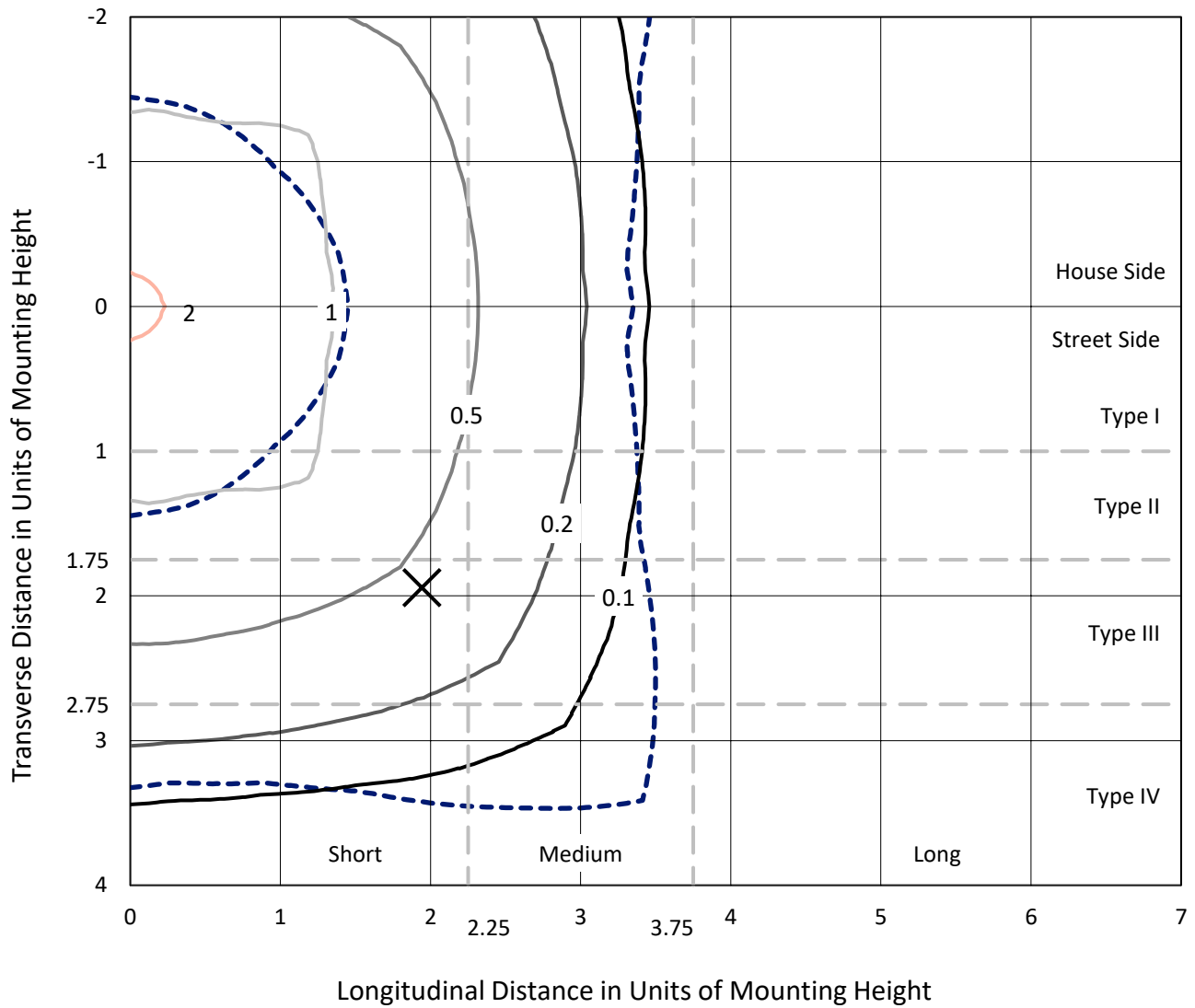
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

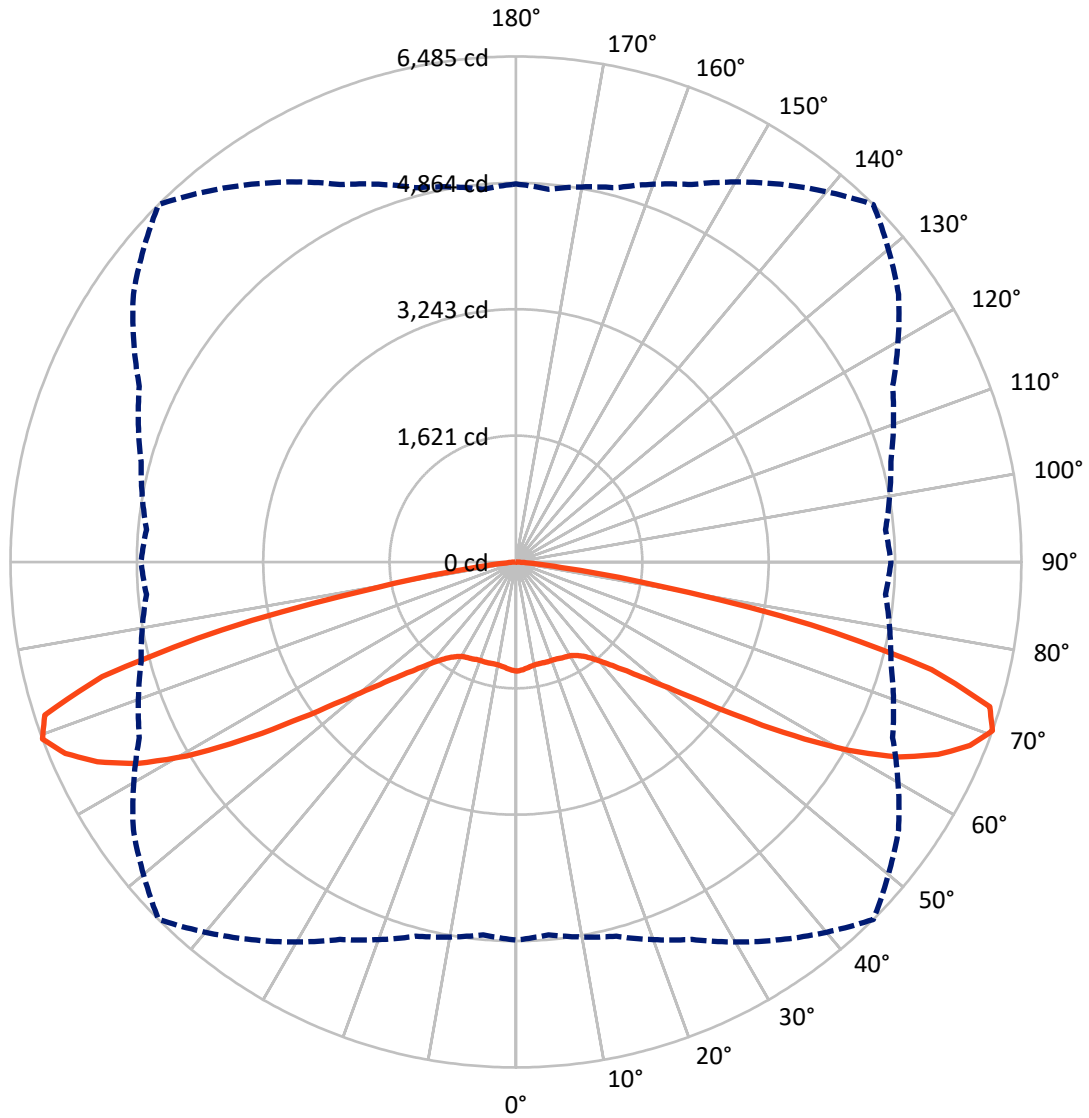
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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
House Side	Lumens	7678.0	0.0	7678.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7678.0	0.0	7678.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15356.0	0.0	15356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	0.8
10°-20°	382.6	2.5
20°-30°	636.7	4.1
30°-40°	962.9	6.3
40°-50°	1600.1	10.4
50°-60°	3019.4	19.7
60°-70°	5098.3	33.2
70°-80°	3350.1	21.8
80°-90°	175.5	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°	15356.0	100.0
0°-180°	15356.0	100.0

Coefficient of Utilization



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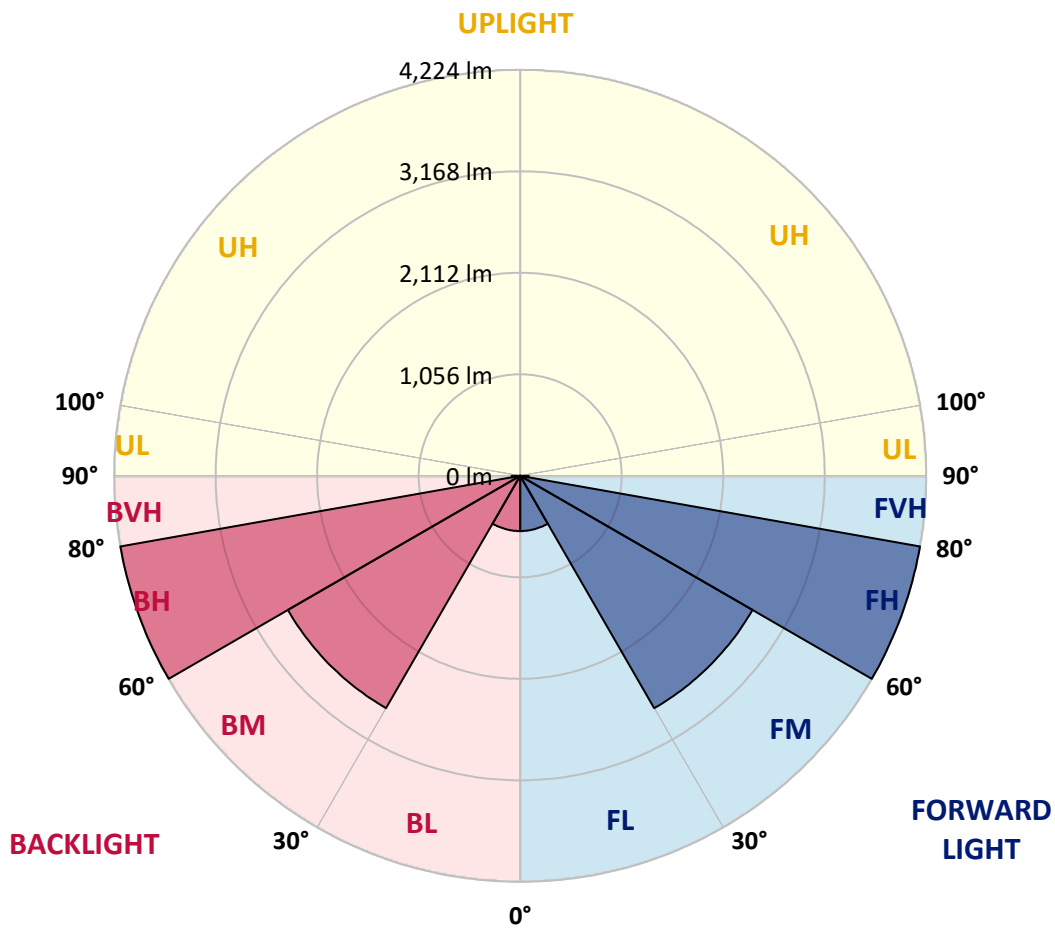
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	574.8	3.7			
FM (30°-60°)	2791.2	18.2			
FH (60°-80°)	4224.2	27.5			G2/5000
FVH (80°-90°)	87.8	0.6			G1/100
BL (0°-30°)	574.8	3.7	B2/1000		
BM (30°-60°)	2791.2	18.2	B3/5000		
BH (60°-80°)	4224.2	27.5	B4/5000		G2/5000
BVH (80°-90°)	87.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1392.0	1396.0	1394.4	1391.2	1391.2	1388.8	1391.2	1392.8	1395.2	1396.8
5°	1373.6	1376.8	1376.0	1373.6	1374.4	1372.0	1373.6	1376.0	1377.6	1378.4
7.5°	1357.7	1360.9	1359.3	1355.3	1355.3	1352.9	1353.7	1356.1	1358.5	1359.3
10°	1353.7	1356.9	1352.1	1345.7	1343.3	1340.1	1340.9	1343.3	1348.1	1350.5
12.5°	1355.3	1357.7	1352.9	1343.3	1340.9	1337.7	1337.7	1340.1	1346.5	1349.7
15°	1360.1	1362.5	1355.3	1344.9	1342.5	1340.1	1339.3	1342.5	1349.7	1355.3
17.5°	1368.8	1371.2	1360.1	1345.7	1342.5	1343.3	1342.5	1344.9	1356.1	1366.5
20°	1376.8	1378.4	1363.3	1345.7	1342.5	1343.3	1342.5	1347.3	1361.7	1376.0
22.5°	1379.2	1380.8	1366.5	1351.3	1348.9	1349.7	1348.9	1353.7	1367.3	1381.6
25°	1380.0	1382.4	1371.2	1359.3	1363.3	1364.9	1363.3	1364.1	1374.4	1387.2
27.5°	1392.0	1395.2	1384.8	1374.4	1376.8	1376.0	1378.4	1380.8	1388.8	1401.6
30°	1416.7	1419.1	1410.4	1400.0	1398.4	1392.8	1400.0	1408.0	1416.7	1427.9
32.5°	1457.4	1462.2	1451.1	1439.9	1432.7	1429.5	1435.1	1448.7	1460.6	1472.6
35°	1525.3	1528.5	1518.1	1497.4	1484.6	1484.6	1489.4	1506.9	1526.1	1541.3
37.5°	1621.1	1625.1	1606.7	1582.0	1562.8	1562.8	1569.2	1587.5	1616.3	1637.8
40°	1737.6	1743.2	1720.0	1694.5	1676.1	1673.0	1680.9	1701.7	1728.8	1756.0
42.5°	1878.1	1884.5	1854.1	1831.8	1817.4	1817.4	1821.4	1840.6	1865.3	1898.8
45°	2057.7	2068.8	2027.3	2005.0	1991.4	1994.6	1997.0	2013.8	2036.1	2074.4
47.5°	2271.6	2282.7	2238.8	2215.7	2213.3	2228.5	2218.9	2230.9	2242.8	2286.7
50°	2514.2	2533.4	2503.0	2501.4	2506.2	2534.2	2511.8	2518.2	2504.6	2532.6
52.5°	2811.1	2839.1	2833.5	2843.1	2896.5	2954.0	2902.9	2880.6	2829.5	2838.3
55°	3171.1	3213.4	3221.4	3278.9	3400.2	3517.5	3409.0	3318.8	3210.2	3190.3
57.5°	3580.6	3614.1	3652.4	3769.7	3996.4	4204.7	3996.4	3796.9	3626.1	3585.3
60°	4021.1	4062.7	4099.4	4272.6	4609.4	4902.3	4603.0	4286.1	4060.3	4005.2
62.5°	4494.5	4547.9	4573.5	4765.8	5158.5	5508.1	5164.1	4780.2	4529.6	4470.5
65°	4948.6	4992.5	5021.2	5226.4	5601.5	5951.9	5627.1	5248.7	4990.9	4913.5
67.5°	5160.1	5184.1	5254.3	5486.6	5882.5	6282.3	5949.5	5511.3	5223.2	5087.5
70°	4850.4	4801.7	4971.0	5342.9	5916.0	6485.1	5992.6	5331.7	4978.9	4758.6
72.5°	3748.2	3664.4	3958.1	4594.2	5532.9	6355.8	5571.2	4630.1	4140.9	3693.9
75°	2039.3	1944.3	2349.8	3154.3	4412.2	5508.9	4513.6	3244.5	2616.4	2024.1
77.5°	575.5	539.6	866.8	1526.1	2653.9	3867.9	2756.1	1559.6	1028.0	609.8
80°	176.4	170.8	231.5	459.7	1127.0	1852.5	1083.1	465.3	294.5	186.0
82.5°	104.6	95.8	114.9	167.6	287.3	581.9	279.4	174.8	140.5	94.2
85°	59.9	55.9	67.8	81.4	96.6	123.7	80.6	83.0	75.0	50.3
87.5°	24.7	22.3	26.3	25.5	22.3	28.7	21.6	25.5	30.3	20.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1400.8
1396.0
1378.4
1359.3
1350.5
1350.5
1356.1
1366.5
1376.8
1381.6
1386.4
1398.4
1425.5
1467.8
1535.7
1629.8
1747.2
1896.4
2072.8
2274.0
2515.8
2808.7
3159.1
3556.6
3957.3
4422.6
4875.2
5089.1
4811.3
3804.8
2155.8
677.6
196.3
102.2
52.7
18.4
0.0

OF REPORT)