

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: P946679

Luminaire Tested: **GALN-SB2B-735-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946679
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-SB2B-735-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11800 lumens
Efficiency: N/A
Efficacy: 159.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

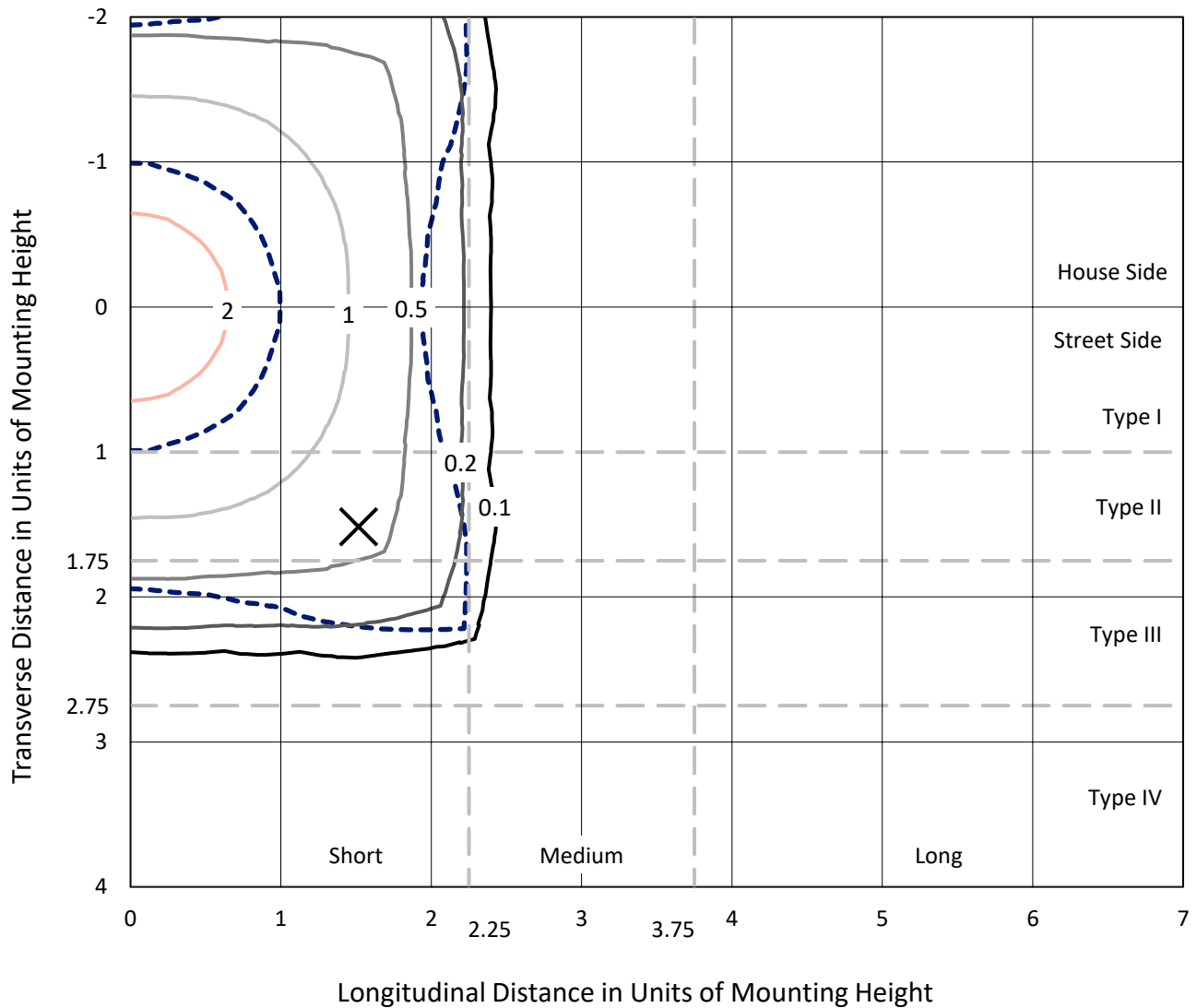
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

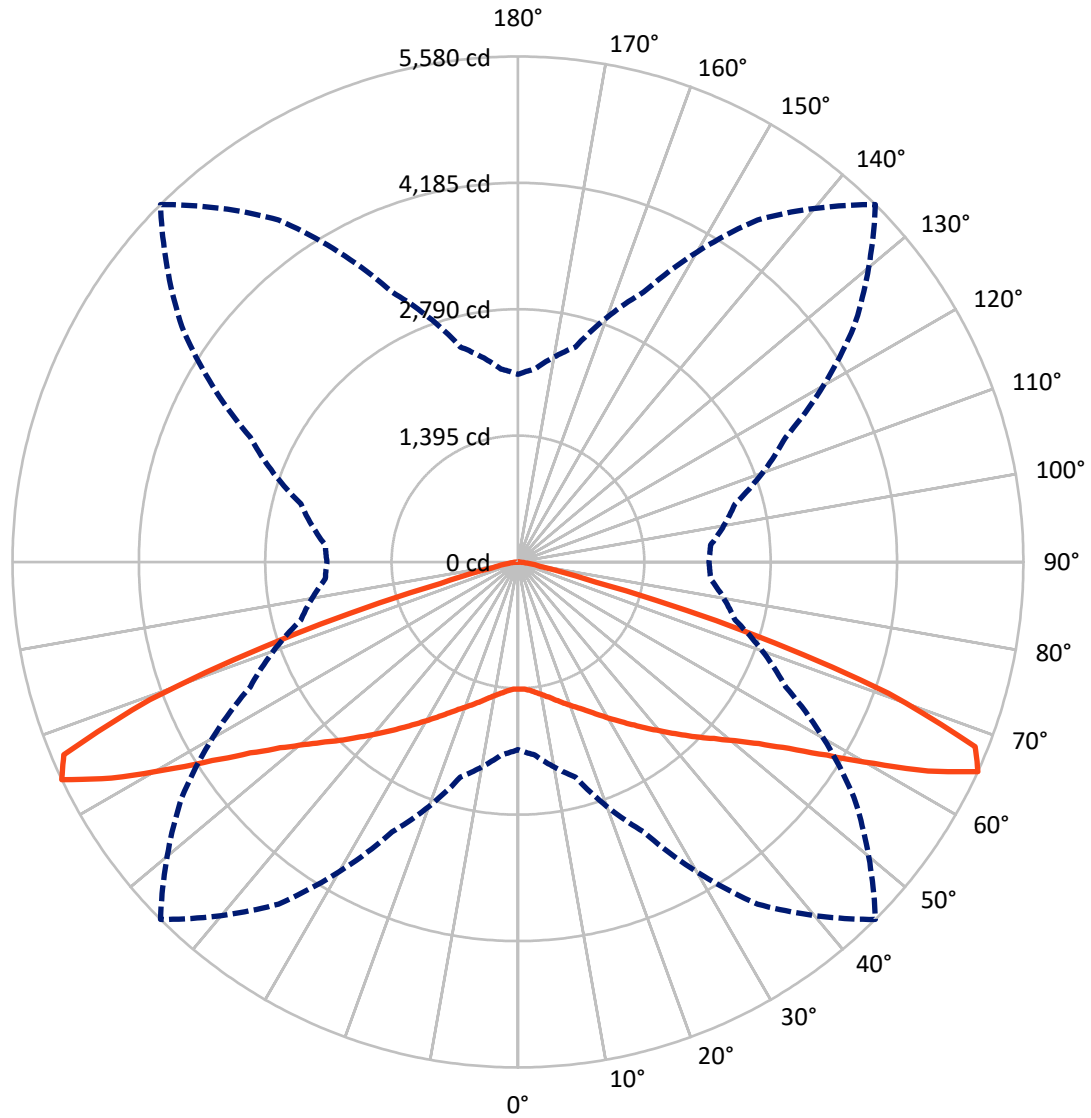
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	5900.0	0.0	5900.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5900.0	0.0	5900.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11800.0	0.0	11800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.6	1.2
10°-20°	452.2	3.8
20°-30°	853.9	7.2
30°-40°	1398.2	11.8
40°-50°	2167.9	18.4
50°-60°	3202.5	27.1
60°-70°	3048.4	25.8
70°-80°	491.9	4.2
80°-90°	46.4	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°	11800.0	100.0
0°-180°	11800.0	100.0

Coefficient of Utilization



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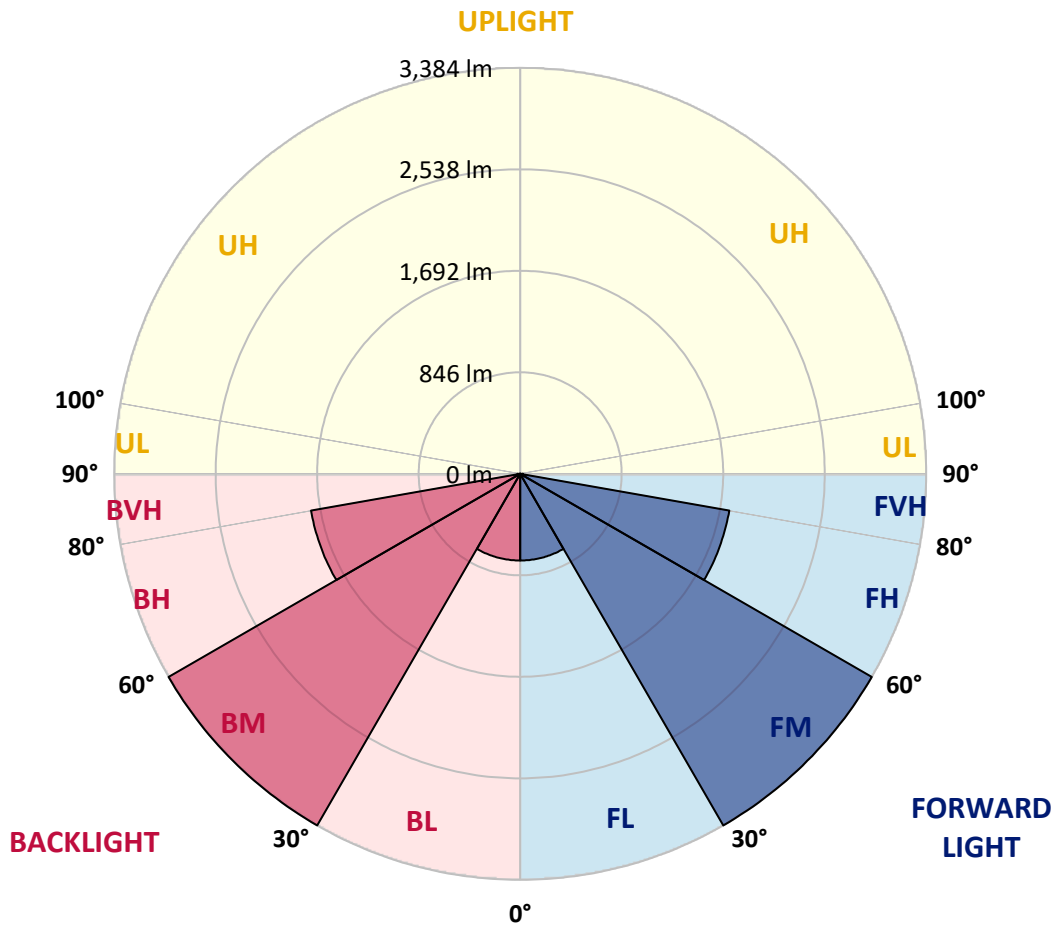
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	722.4	6.1			
FM (30°-60°)	3384.3	28.7			
FH (60°-80°)	1770.2	15.0			G1/1800
FVH (80°-90°)	23.2	0.2			G1/100
BL (0°-30°)	722.4	6.1	B2/1000		
BM (30°-60°)	3384.3	28.7	B3/5000		
BH (60°-80°)	1770.2	15.0	B3/2500		G1/1800
BVH (80°-90°)	23.2	0.2			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°	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3
2.5°	1413.8	1409.1	1412.6	1409.6	1407.3	1404.9	1406.1	1410.2	1412.0	1412.6
5°	1432.7	1428.6	1430.4	1430.4	1426.2	1425.0	1425.6	1428.6	1432.1	1432.1
7.5°	1463.5	1459.4	1463.5	1461.2	1457.6	1456.4	1455.8	1458.2	1463.5	1463.5
10°	1500.8	1496.1	1498.5	1497.3	1493.1	1491.3	1490.8	1494.3	1499.0	1498.5
12.5°	1541.7	1536.3	1539.3	1535.8	1534.6	1532.8	1532.8	1532.2	1535.2	1532.8
15°	1587.3	1583.7	1584.9	1582.5	1584.3	1583.1	1578.4	1576.0	1577.2	1573.6
17.5°	1641.1	1632.8	1637.0	1635.8	1635.8	1638.2	1630.5	1627.5	1629.9	1626.3
20°	1703.3	1695.0	1696.8	1694.4	1691.5	1693.8	1684.4	1686.7	1688.5	1686.1
22.5°	1771.4	1760.7	1760.1	1761.3	1754.8	1755.4	1748.9	1754.8	1758.4	1751.8
25°	1841.2	1830.0	1837.7	1834.7	1826.4	1828.2	1823.5	1829.4	1832.4	1824.1
27.5°	1915.2	1907.6	1914.7	1916.4	1906.4	1913.5	1906.4	1911.7	1914.7	1902.2
30°	2001.7	1994.0	2000.5	2005.2	1993.4	2004.6	1998.7	2002.3	2002.9	1988.1
32.5°	2095.8	2084.0	2100.6	2102.9	2089.9	2103.5	2095.8	2100.6	2103.5	2083.4
35°	2210.7	2195.9	2214.8	2211.9	2200.6	2211.9	2204.8	2211.9	2219.0	2194.7
37.5°	2334.4	2319.0	2339.1	2333.8	2323.2	2330.9	2326.7	2331.5	2342.7	2316.7
40°	2470.6	2451.6	2478.9	2469.4	2459.3	2458.1	2460.5	2463.5	2478.3	2449.3
42.5°	2616.2	2596.1	2636.9	2622.1	2607.9	2598.5	2606.2	2612.1	2626.3	2593.7
45°	2782.6	2759.5	2812.8	2795.0	2772.5	2753.0	2765.4	2774.3	2795.0	2755.9
47.5°	2966.1	2940.1	2996.9	2991.6	2954.9	2912.2	2940.7	2966.1	2981.5	2934.1
50°	3145.5	3125.4	3200.0	3206.5	3161.5	3101.7	3141.4	3179.8	3184.0	3121.8
52.5°	3313.6	3293.5	3401.9	3442.7	3402.5	3331.4	3373.4	3412.5	3381.1	3300.6
55°	3448.0	3431.5	3569.4	3674.8	3688.4	3629.8	3654.7	3653.5	3550.5	3426.7
57.5°	3480.6	3478.2	3652.3	3875.5	4017.6	4024.7	3975.5	3850.0	3628.0	3461.7
60°	3332.6	3347.4	3586.6	3980.3	4359.2	4516.7	4304.1	3945.9	3539.8	3308.9
62.5°	2889.7	2928.8	3217.1	3852.4	4635.1	5082.7	4567.6	3800.3	3177.5	2876.1
65°	2071.0	2139.0	2457.6	3287.6	4610.2	5580.0	4529.7	3261.0	2481.2	2133.7
67.5°	939.6	1008.8	1279.4	2250.9	4007.5	5445.0	3998.0	2274.6	1343.3	1012.4
70°	340.4	352.3	439.3	901.1	2561.2	4338.5	2670.7	907.6	467.1	375.4
72.5°	206.0	207.8	226.2	322.7	889.8	2634.0	927.7	333.3	230.9	204.8
75°	130.8	129.7	161.0	197.1	315.6	888.7	331.0	197.1	160.4	146.2
77.5°	94.1	97.1	115.4	147.4	198.9	301.3	195.4	140.9	115.4	94.7
80°	70.5	72.2	84.1	114.9	139.7	187.7	124.3	104.2	87.0	59.2
82.5°	50.9	50.9	55.1	83.5	85.3	101.2	67.5	73.4	57.4	42.0
85°	30.2	29.6	34.3	49.7	44.4	37.3	30.8	45.0	36.1	26.0
87.5°	10.7	11.2	10.7	14.2	11.8	10.1	9.5	12.4	10.1	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1404.3
1412.6
1432.1
1461.7
1497.3
1534.0
1574.2
1629.3
1691.5
1758.4
1833.5
1911.7
1996.9
2097.0
2209.5
2332.6
2458.7
2610.9
2776.1
2950.1
3129.5
3303.0
3430.9
3451.0
3281.7
2858.4
2108.3
997.6
370.6
208.4
147.4
96.5
61.0
42.0
25.5
8.3
0.0

OF REPORT)