

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: P948190

Luminaire Tested: **GALN-SB3B-827-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-827-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15386 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

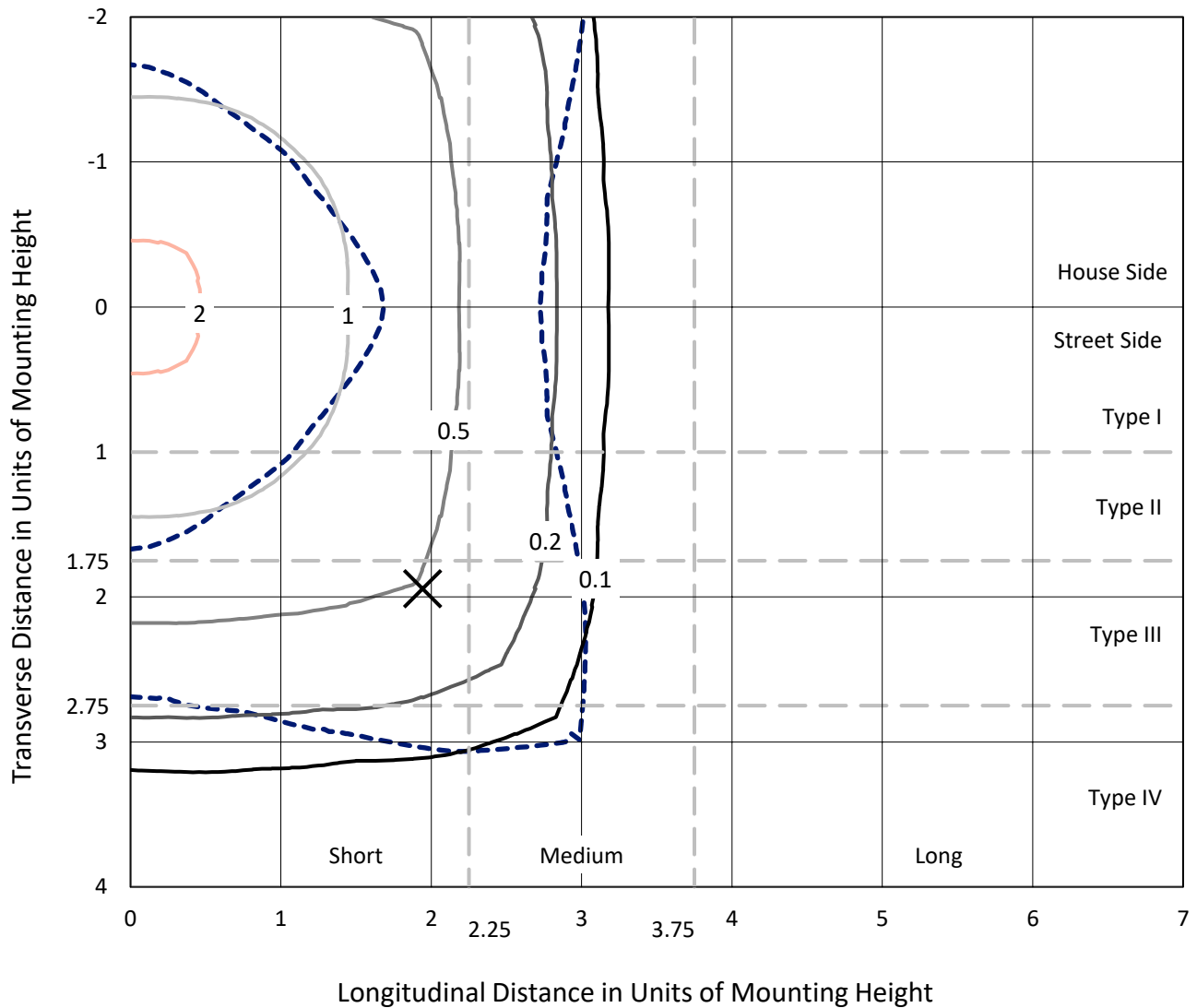
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

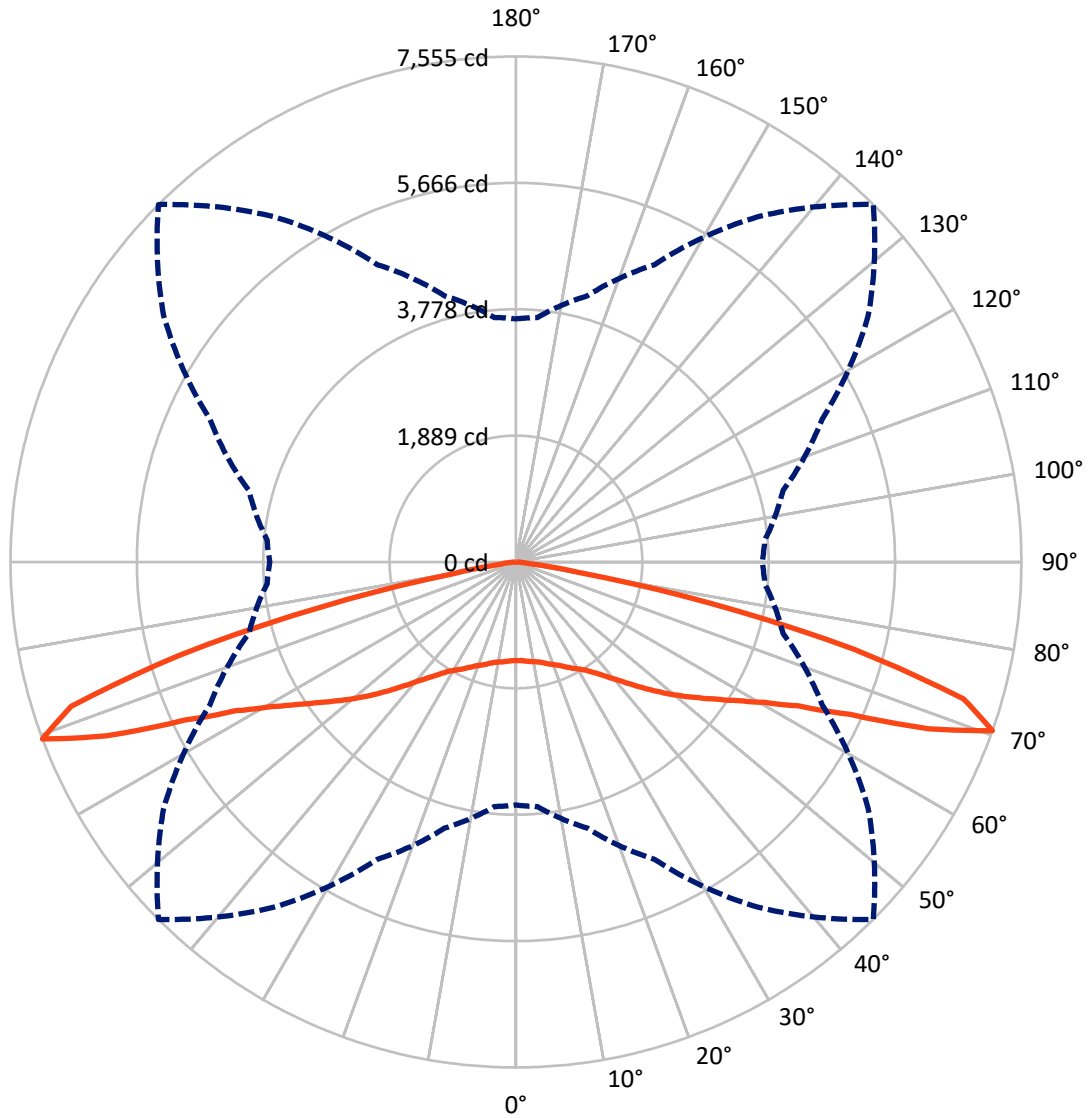
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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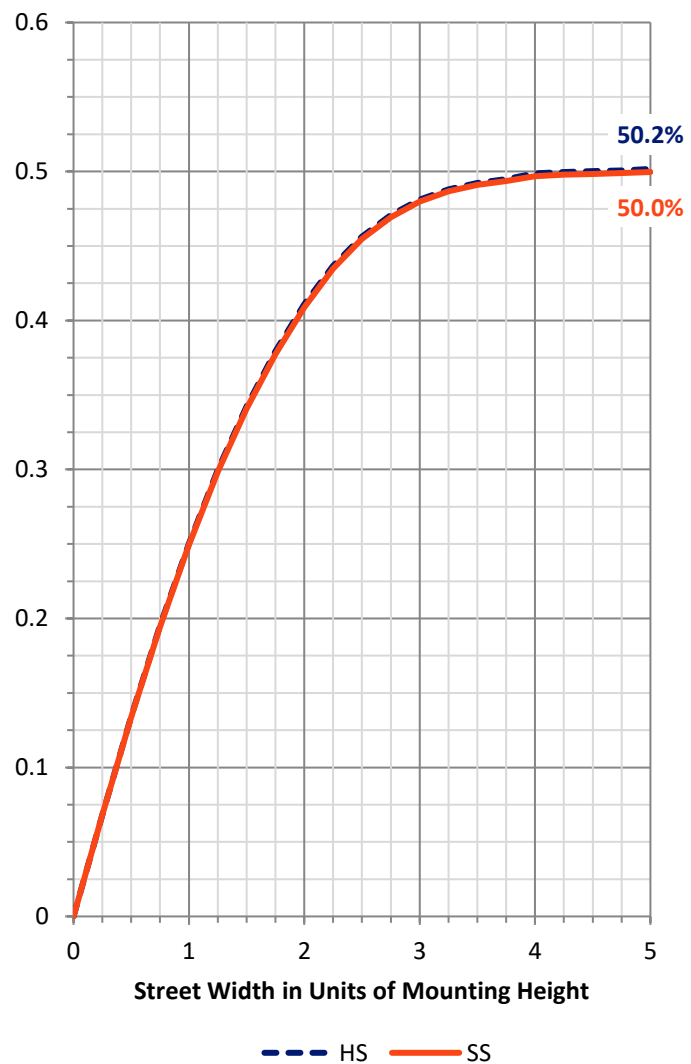
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7693.0	0.0	7693.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7693.0	0.0	7693.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15386.0	0.0	15386.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	0.9
10°-20°	444.0	2.9
20°-30°	793.5	5.2
30°-40°	1286.2	8.4
40°-50°	2095.0	13.6
50°-60°	3194.2	20.8
60°-70°	4751.9	30.9
70°-80°	2589.9	16.8
80°-90°	88.2	0.6
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°	15386.0	100.0
0°-180°	15386.0	100.0

Coefficient of Utilization



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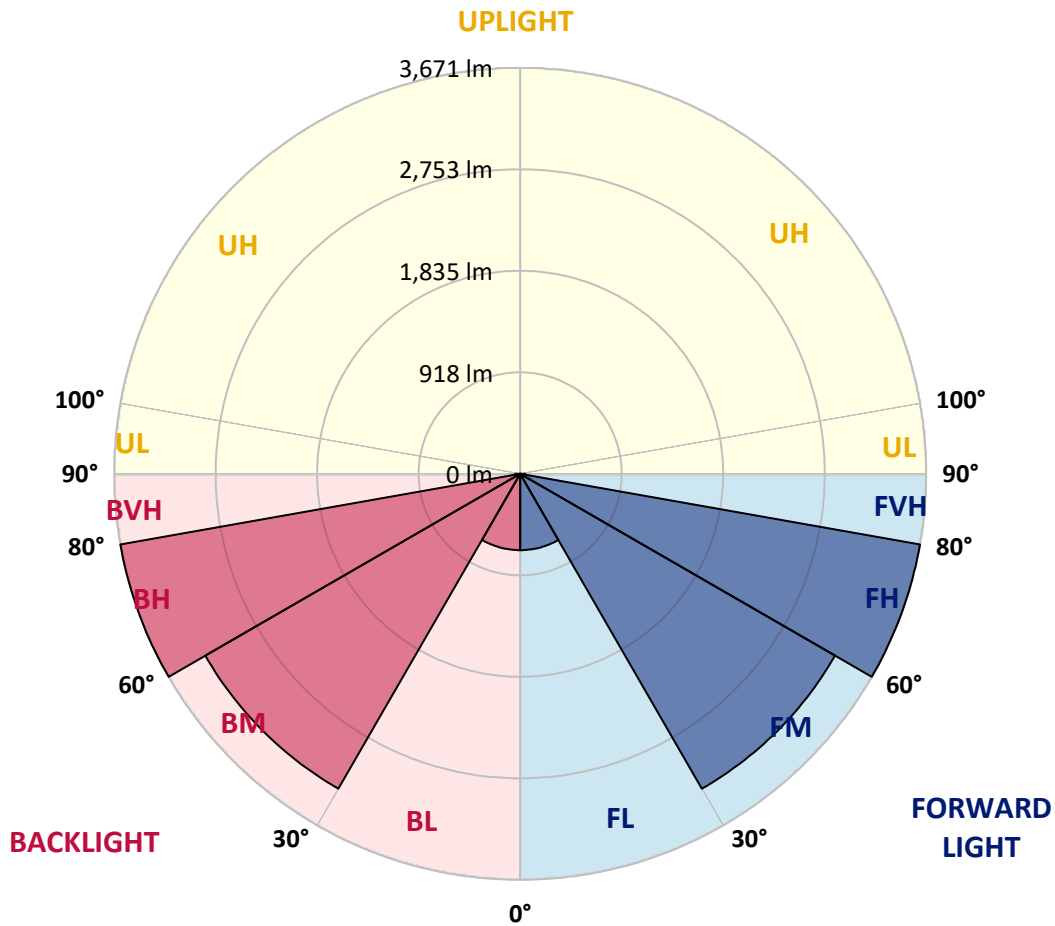
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	690.3	4.5			
FM (30°-60°)	3287.7	21.4			
FH (60°-80°)	3670.9	23.9			G2/5000
FVH (80°-90°)	44.1	0.3			G1/100
BL (0°-30°)	690.3	4.5	B2/1000		
BM (30°-60°)	3287.7	21.4	B3/5000		
BH (60°-80°)	3670.9	23.9	B4/5000		G2/5000
BVH (80°-90°)	44.1	0.3			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°	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8
2.5°	1480.8	1482.3	1479.2	1477.7	1476.1	1473.8	1474.6	1478.5	1481.5	1480.8
5°	1493.1	1494.7	1492.4	1491.6	1488.5	1487.7	1487.7	1491.6	1493.9	1492.4
7.5°	1507.0	1509.4	1505.5	1504.7	1503.2	1501.6	1500.9	1504.7	1507.0	1507.0
10°	1520.2	1522.5	1519.4	1517.1	1515.5	1515.5	1514.0	1517.1	1520.9	1520.2
12.5°	1534.1	1535.6	1532.5	1531.0	1531.0	1533.3	1531.0	1532.5	1535.6	1534.1
15°	1551.1	1551.8	1551.1	1553.4	1557.2	1565.0	1558.0	1556.5	1558.0	1554.2
17.5°	1574.2	1575.8	1578.9	1584.3	1589.7	1603.6	1591.2	1587.4	1587.4	1579.6
20°	1602.8	1605.1	1609.8	1619.0	1626.0	1639.1	1626.8	1621.4	1619.0	1609.0
22.5°	1632.9	1636.8	1643.8	1656.1	1668.5	1680.8	1668.5	1659.2	1652.3	1639.1
25°	1667.7	1672.3	1683.2	1703.2	1720.2	1738.0	1723.3	1704.8	1690.9	1672.3
27.5°	1717.1	1722.5	1735.7	1760.4	1782.0	1797.5	1783.6	1759.6	1740.3	1717.9
30°	1786.7	1792.1	1807.5	1833.8	1848.5	1858.5	1849.2	1830.7	1807.5	1782.0
32.5°	1876.3	1883.2	1900.2	1924.9	1928.0	1929.6	1926.5	1917.2	1900.2	1869.3
35°	1989.8	1997.5	2016.8	2036.9	2033.8	2036.9	2032.3	2029.2	2016.8	1981.3
37.5°	2128.9	2138.1	2158.2	2173.7	2165.9	2162.1	2162.8	2163.6	2156.7	2117.3
40°	2290.3	2302.6	2317.3	2333.5	2320.4	2308.8	2316.6	2322.7	2316.6	2276.4
42.5°	2456.4	2474.1	2489.6	2512.8	2501.9	2487.3	2498.1	2505.0	2491.9	2448.6
45°	2641.0	2658.0	2678.1	2712.8	2705.1	2689.6	2705.1	2706.6	2684.2	2633.3
47.5°	2831.8	2849.5	2879.7	2926.0	2922.9	2905.9	2926.0	2915.2	2886.6	2825.6
50°	3012.5	3037.2	3083.6	3148.5	3154.7	3133.8	3160.8	3140.0	3092.1	3015.6
52.5°	3182.5	3208.7	3282.1	3370.2	3392.6	3365.5	3401.8	3365.5	3293.7	3195.6
55°	3360.9	3390.2	3477.5	3592.6	3637.4	3617.3	3651.3	3596.5	3494.5	3375.6
57.5°	3571.0	3588.8	3693.0	3829.8	3905.5	3910.1	3925.6	3832.9	3709.3	3574.1
60°	3798.9	3823.6	3937.1	4100.9	4220.6	4259.2	4243.0	4105.5	3961.9	3806.6
62.5°	4090.9	4117.9	4253.8	4450.0	4639.3	4735.1	4671.7	4472.4	4294.8	4108.6
65°	4332.6	4362.8	4608.4	4958.3	5302.8	5495.2	5336.0	4969.1	4649.3	4386.7
67.5°	4157.3	4194.4	4579.8	5222.5	6079.1	6653.0	6108.5	5301.3	4674.8	4318.7
70°	3633.6	3668.3	4117.9	4903.5	6297.7	7555.3	6429.0	5047.9	4132.6	3734.0
72.5°	2412.3	2524.3	2979.3	3921.7	5623.4	6991.4	5679.0	3842.1	2763.8	2406.9
75°	800.3	889.9	1200.4	2033.1	3766.4	5228.7	3585.7	1799.0	950.9	684.4
77.5°	201.6	232.5	320.6	581.6	1502.4	2977.0	1352.5	475.1	258.8	180.8
80°	98.1	108.1	154.5	193.9	376.2	946.2	353.0	182.3	122.0	94.2
82.5°	54.1	54.8	87.3	109.7	139.8	244.9	145.2	106.6	70.3	57.2
85°	33.2	32.4	46.3	58.7	58.7	87.3	69.5	58.7	40.2	35.5
87.5°	13.1	13.1	17.0	18.5	16.2	22.4	17.8	19.3	15.4	14.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1473.8
1481.5
1493.1
1507.0
1520.2
1533.3
1554.2
1579.6
1609.0
1638.3
1671.6
1717.1
1782.0
1870.1
1981.3
2117.3
2276.4
2451.7
2638.7
2821.7
3014.1
3186.3
3359.4
3555.6
3781.9
4076.2
4343.4
4265.4
3680.7
2328.9
647.3
161.4
86.5
57.2
37.1
15.4
0.0

OF REPORT)