

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: P652217

Luminaire Tested: **GALN-SA2B-840-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652217  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2B-840-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8432.7 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

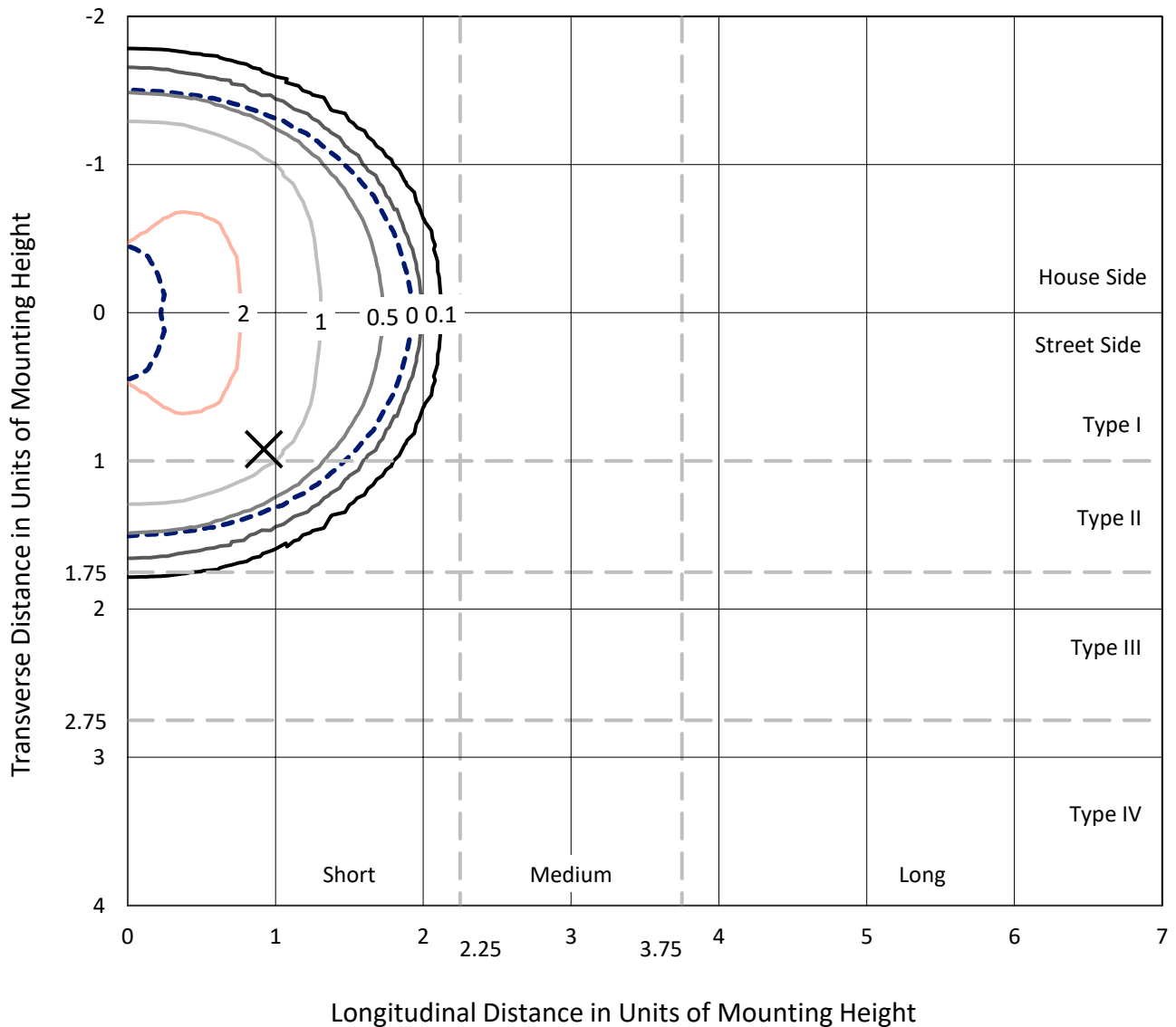
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

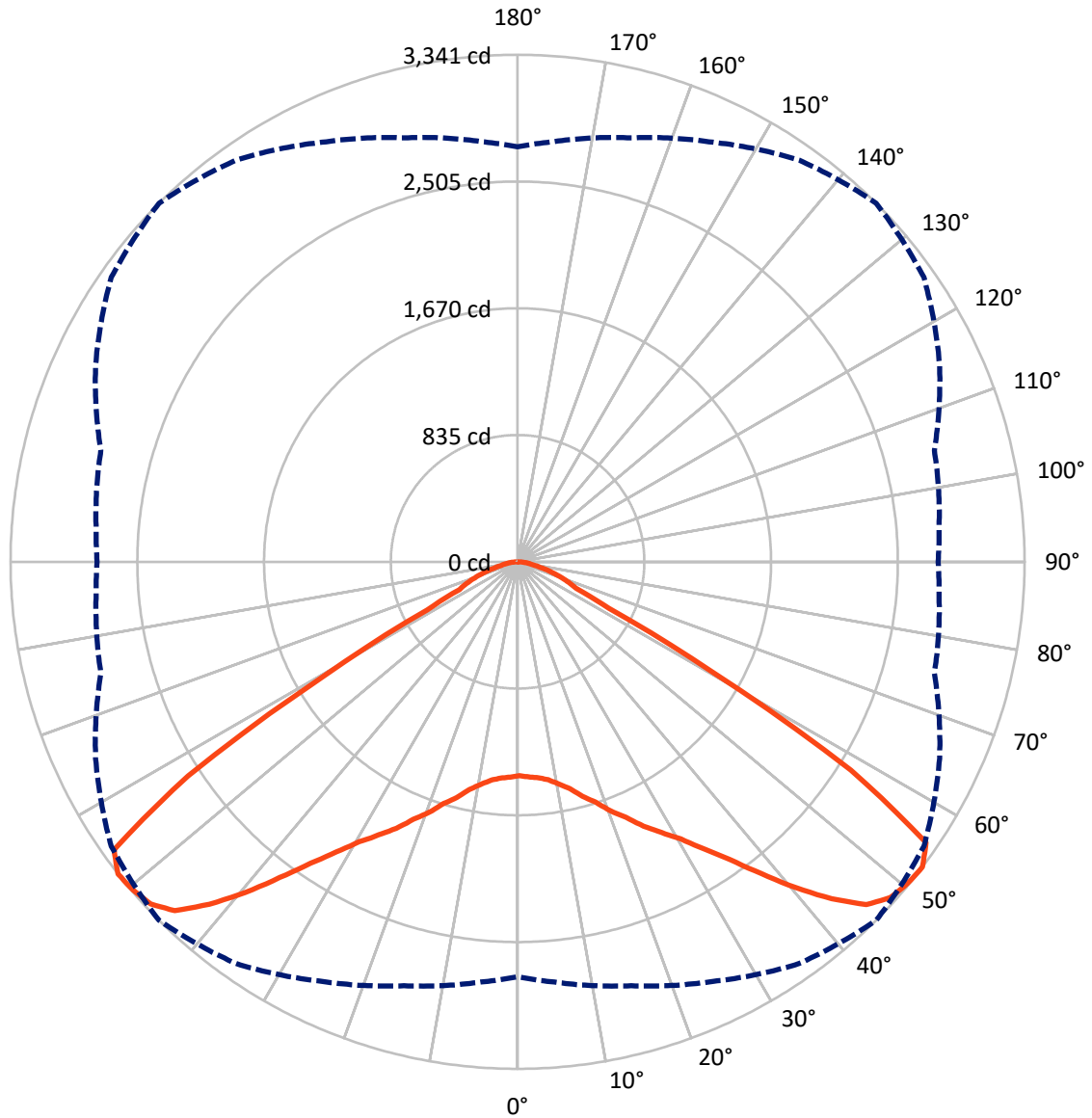
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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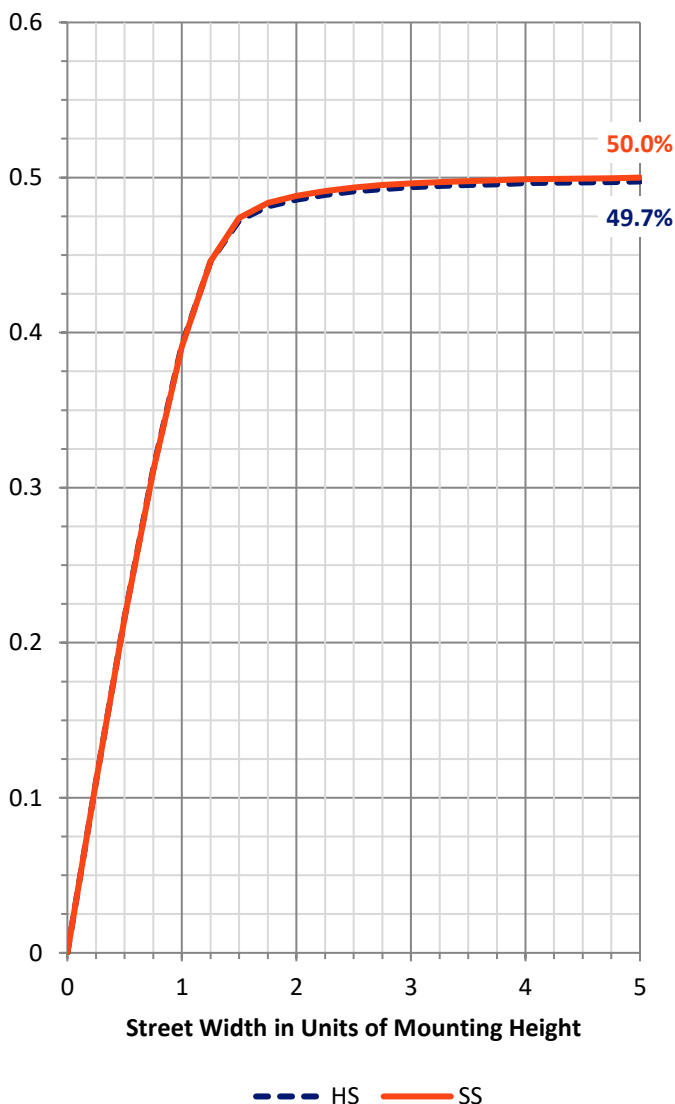
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4216.4	0.0	4216.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4216.4	0.0	4216.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8432.7	0.0	8432.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.5	1.6
10°-20°	455.1	5.4
20°-30°	866.4	10.3
30°-40°	1487.7	17.6
40°-50°	2286.6	27.1
50°-60°	2322.0	27.5
60°-70°	647.1	7.7
70°-80°	190.9	2.3
80°-90°	38.5	0.5
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°	8432.7	100.0
0°-180°	8432.7	100.0

**Coefficient of Utilization**



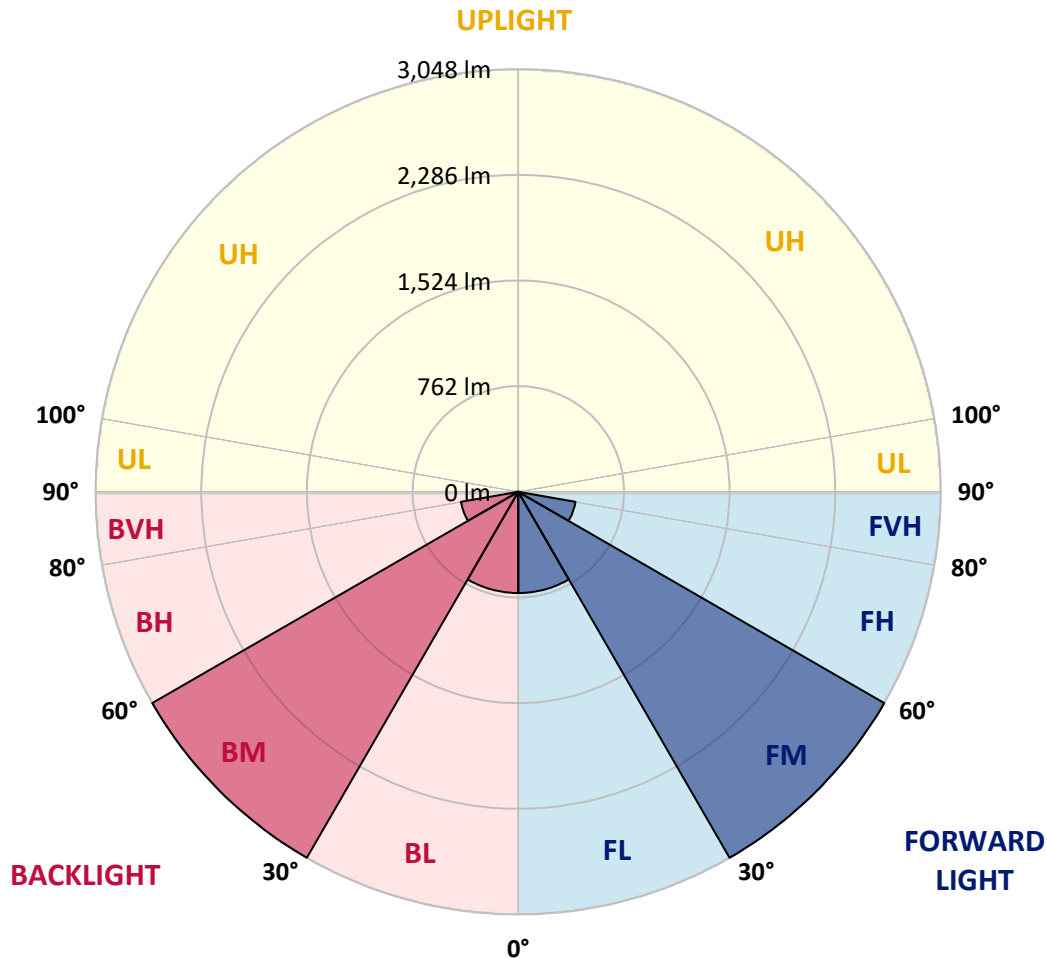
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	730.0	8.7			
FM	(30°-60°)	3048.1	36.1			
FH	(60°-80°)	419.0	5.0			G0/660
FVH	(80°-90°)	19.2	0.2			G1/100
BL	(0°-30°)	730.0	8.7	B2/1000		
BM	(30°-60°)	3048.1	36.1	B3/5000		
BH	(60°-80°)	419.0	5.0	B1/500		G0/660
BVH	(80°-90°)	19.2	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°	90°
0°	1409.6	1409.6	1409.6	1409.6	1409.6	1409.6	1409.6	1409.6	1409.6	1409.6	1409.6
2.5°	1412.8	1398.2	1403.4	1406.5	1420.1	1419.0	1415.9	1420.1	1424.3	1425.3	1423.2
5°	1411.7	1401.3	1405.5	1408.6	1422.2	1429.5	1427.4	1445.3	1457.8	1454.7	1470.3
7.5°	1403.4	1409.6	1404.4	1420.1	1431.6	1449.4	1468.2	1485.0	1500.7	1518.5	1521.6
10°	1422.2	1422.2	1431.6	1444.2	1474.5	1488.1	1515.3	1539.4	1569.7	1590.7	1582.3
12.5°	1442.1	1445.3	1445.3	1477.6	1502.8	1533.1	1558.2	1590.7	1633.6	1658.7	1671.2
15°	1462.0	1464.1	1474.5	1518.5	1556.2	1604.3	1627.3	1656.6	1680.7	1727.8	1728.8
17.5°	1479.7	1491.3	1522.6	1571.8	1618.9	1665.0	1701.6	1732.0	1752.9	1771.7	1767.5
20°	1546.8	1555.1	1587.6	1636.8	1706.8	1751.8	1764.4	1769.6	1783.3	1820.9	1809.4
22.5°	1611.6	1614.7	1645.1	1720.4	1769.6	1829.3	1842.9	1839.8	1845.0	1854.4	1871.1
25°	1678.6	1683.9	1725.6	1789.5	1858.6	1929.8	1941.3	1917.2	1909.8	1920.3	1921.3
27.5°	1764.4	1765.4	1818.8	1874.3	1952.8	2019.7	2037.6	2018.7	1984.2	1992.6	2006.1
30°	1873.2	1865.9	1919.2	1998.8	2081.5	2119.2	2149.5	2140.1	2102.4	2095.1	2083.6
32.5°	1998.8	2000.9	2049.0	2135.9	2190.3	2253.1	2285.6	2269.9	2245.8	2233.3	2240.6
35°	2175.7	2185.1	2217.5	2289.7	2377.7	2409.0	2460.3	2426.9	2364.1	2379.8	2393.3
37.5°	2321.2	2348.3	2409.0	2494.8	2547.2	2604.7	2623.6	2578.6	2532.5	2513.7	2558.7
40°	2544.0	2535.7	2602.6	2688.4	2765.9	2823.5	2799.4	2754.4	2640.3	2641.4	2653.9
42.5°	2735.5	2739.7	2791.0	2893.5	2999.3	3034.8	2958.5	2848.6	2722.0	2708.4	2735.5
45°	2896.7	2913.5	2942.7	3079.8	3183.4	3222.2	3080.9	2951.2	2781.6	2725.1	2770.1
47.5°	2954.3	2981.5	3045.3	3170.9	3273.4	3304.9	3191.8	3005.6	2837.0	2744.9	2769.1
50°	2962.7	2953.3	3057.9	3173.0	3263.0	3331.0	3231.6	3045.3	2823.5	2775.3	2768.0
52.5°	2733.5	2779.5	2891.5	3049.5	3231.6	3340.5	3267.2	3067.3	2842.3	2787.9	2770.1
55°	2212.3	2157.9	2361.9	2627.8	2962.7	3265.1	3254.6	3078.8	2853.8	2808.8	2784.7
57.5°	1234.8	1250.6	1365.7	1654.5	2086.7	2589.0	2893.5	2957.4	2848.6	2822.4	2835.0
60°	571.4	576.6	625.8	760.8	1028.7	1468.2	1869.0	2276.2	2463.5	2501.1	2501.1
62.5°	426.0	423.9	436.4	460.4	517.0	675.0	901.0	1224.4	1481.8	1661.8	1708.9
65°	385.1	384.1	390.3	398.7	402.9	424.9	475.1	574.6	658.3	706.4	698.0
67.5°	337.0	335.9	338.0	343.2	350.6	362.1	374.7	395.6	424.9	422.8	417.6
70°	272.1	272.1	275.3	279.4	287.8	301.4	316.0	330.7	355.8	361.0	360.0
72.5°	200.9	197.8	204.0	212.4	220.8	237.6	253.2	266.8	284.7	289.9	287.8
75°	127.7	129.8	134.0	143.4	158.0	169.5	186.3	197.8	209.3	213.4	214.5
77.5°	71.1	73.3	80.6	92.1	106.7	119.3	134.0	143.4	150.7	151.7	152.8
80°	42.9	44.0	51.3	61.7	74.3	87.9	99.4	108.8	115.1	111.9	110.9
82.5°	26.2	27.2	33.5	42.9	53.4	63.8	76.4	84.8	91.1	86.9	82.7
85°	13.6	14.6	19.8	26.2	34.6	39.8	39.8	35.6	34.6	32.5	31.4
87.5°	4.2	4.2	5.2	6.3	5.2	6.3	7.3	8.4	8.4	9.4	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)