

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: P527264

Luminaire Tested: **GALN-SA2B-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527264
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9043 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

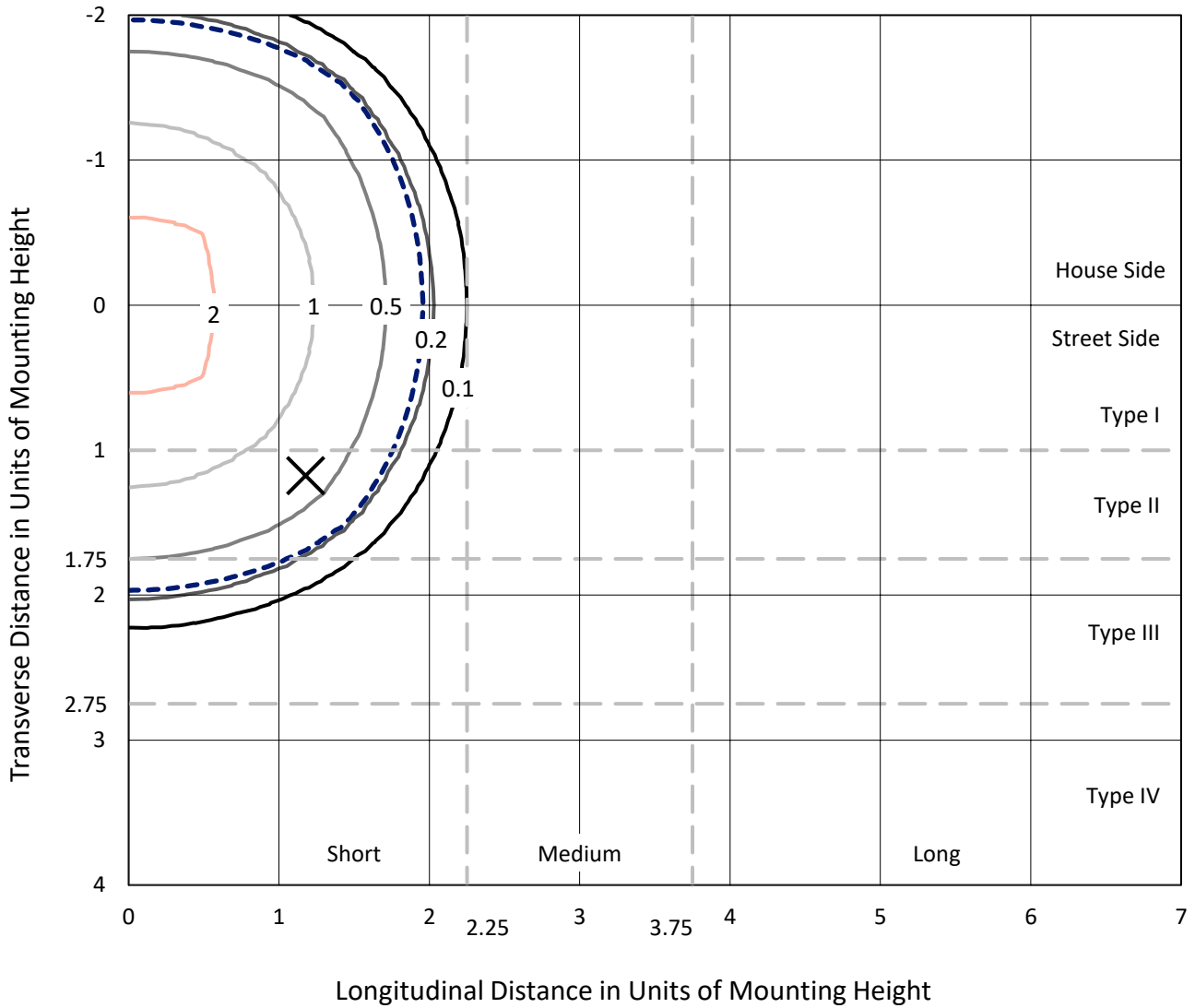
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

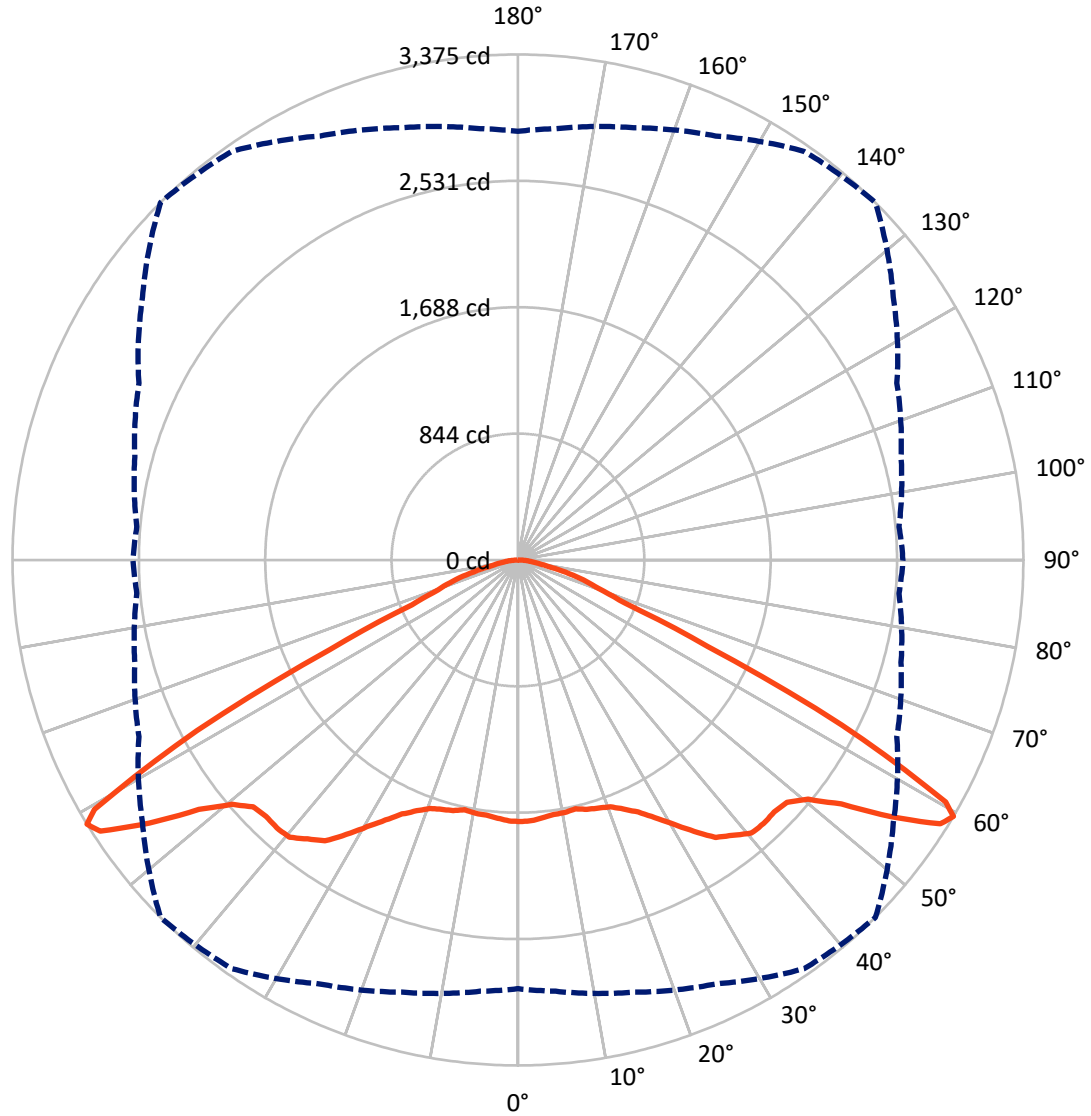
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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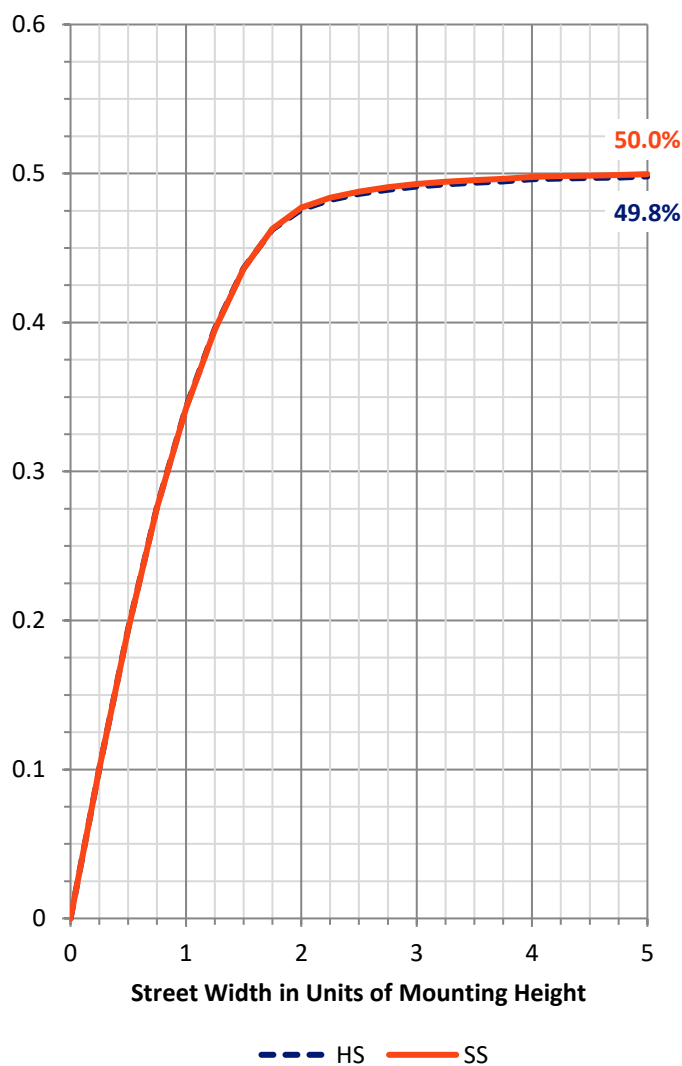
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4521.5	0.0	4521.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4521.5	0.0	4521.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9043.0	0.0	9043.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.7	1.8
10°-20°	489.7	5.4
20°-30°	855.0	9.5
30°-40°	1365.6	15.1
40°-50°	1860.2	20.6
50°-60°	2515.4	27.8
60°-70°	1379.5	15.3
70°-80°	352.9	3.9
80°-90°	60.2	0.7
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°	9043.0	100.0
0°-180°	9043.0	100.0

Coefficient of Utilization



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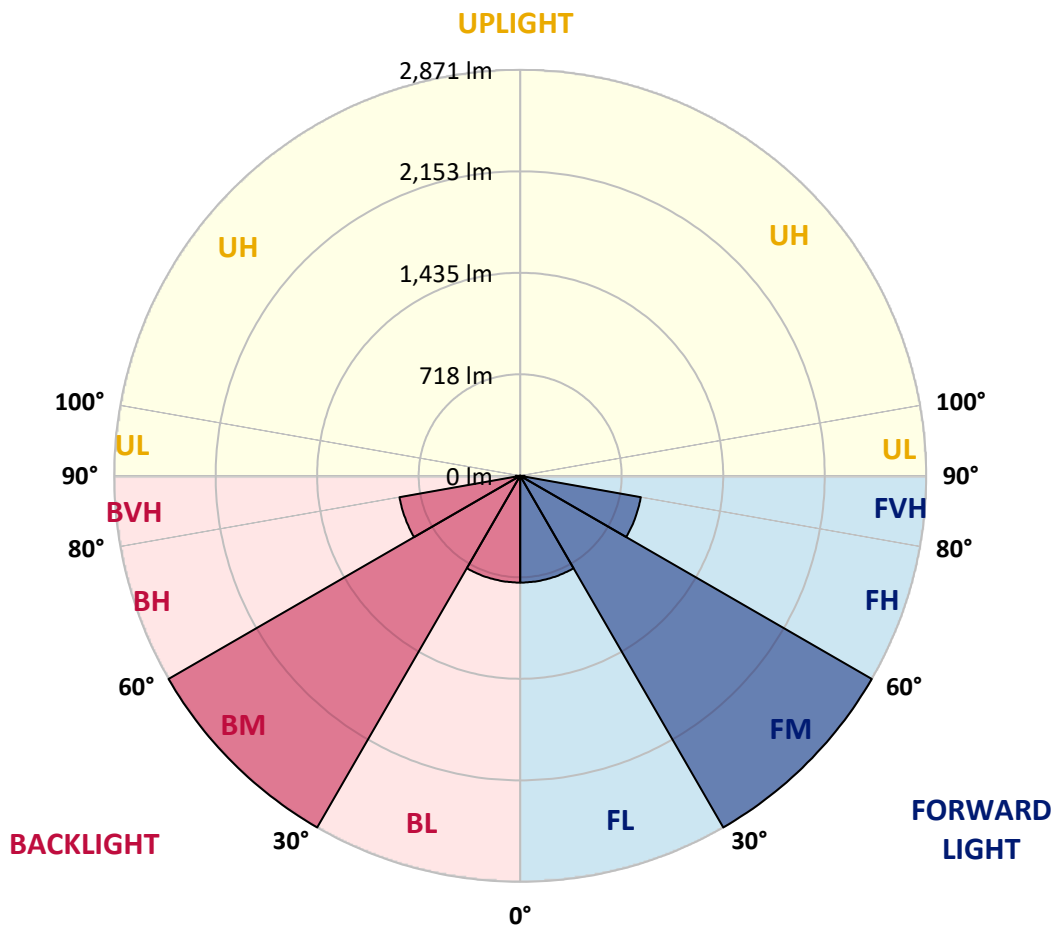
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	754.7	8.3			
FM (30°-60°)	2870.6	31.7			
FH (60°-80°)	866.2	9.6			G1/1800
FVH (80°-90°)	30.1	0.3			G1/100
BL (0°-30°)	754.7	8.3	B2/1000		
BM (30°-60°)	2870.6	31.7	B3/5000		
BH (60°-80°)	866.2	9.6	B2/1000		G1/1800
BVH (80°-90°)	30.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7
2.5°	1736.2	1749.0	1739.7	1747.8	1746.7	1743.2	1737.4	1733.9	1729.3	1736.2	1724.7
5°	1729.3	1739.7	1750.2	1736.2	1736.2	1729.3	1725.8	1718.9	1718.9	1717.7	1716.5
7.5°	1740.9	1730.4	1725.8	1728.1	1730.4	1715.4	1725.8	1711.9	1700.3	1708.4	1717.7
10°	1730.4	1735.1	1717.7	1725.8	1713.1	1715.4	1708.4	1717.7	1704.9	1704.9	1704.9
12.5°	1740.9	1728.1	1733.9	1728.1	1724.7	1704.9	1714.2	1703.8	1702.6	1714.2	1703.8
15°	1761.7	1740.9	1736.2	1724.7	1728.1	1728.1	1718.9	1720.0	1707.3	1714.2	1716.5
17.5°	1754.8	1743.2	1739.7	1725.8	1737.4	1740.9	1723.5	1711.9	1720.0	1718.9	1717.7
20°	1760.6	1765.2	1761.7	1764.1	1768.7	1759.4	1743.2	1727.0	1716.5	1731.6	1730.4
22.5°	1797.7	1793.0	1790.7	1788.4	1796.5	1805.8	1783.8	1758.3	1758.3	1768.7	1773.3
25°	1827.8	1826.6	1825.5	1835.9	1863.7	1863.7	1835.9	1803.5	1795.4	1802.3	1796.5
27.5°	1871.9	1884.6	1880.0	1898.5	1939.1	1948.3	1911.3	1873.0	1851.0	1842.9	1853.3
30°	1972.7	1957.6	1961.1	1980.8	2016.7	2046.9	1990.1	1949.5	1919.4	1918.2	1922.8
32.5°	2039.9	2051.5	2061.9	2080.5	2137.3	2160.5	2092.1	2026.0	2007.5	1997.0	2000.5
35°	2174.4	2163.9	2161.6	2180.2	2236.9	2275.2	2189.4	2131.5	2107.1	2130.3	2130.3
37.5°	2301.9	2272.9	2250.9	2275.2	2327.4	2332.0	2259.0	2227.7	2214.9	2241.6	2240.4
40°	2362.1	2359.8	2308.8	2322.7	2392.3	2399.2	2330.8	2293.7	2291.4	2326.2	2361.0
42.5°	2424.7	2402.7	2351.7	2361.0	2403.9	2406.2	2341.3	2330.8	2356.3	2389.9	2392.3
45°	2435.1	2416.6	2384.1	2361.0	2392.3	2399.2	2361.0	2367.9	2370.2	2410.8	2410.8
47.5°	2456.0	2453.7	2435.1	2417.8	2423.6	2417.8	2393.4	2403.9	2438.6	2458.3	2449.1
50°	2514.0	2489.6	2508.2	2493.1	2494.3	2510.5	2488.5	2498.9	2491.9	2474.6	2463.0
52.5°	2641.5	2629.9	2646.1	2656.5	2668.1	2705.2	2679.7	2624.1	2571.9	2525.6	2524.4
55°	2828.1	2836.2	2867.5	2920.8	2966.0	3025.1	2902.2	2768.9	2685.5	2612.5	2617.1
57.5°	3004.2	2998.4	3041.3	3163.0	3295.2	3325.3	3084.2	2894.1	2758.5	2712.2	2692.5
59°	2862.8	2890.6	2988.0	3123.6	3331.1	3375.1	3059.9	2792.1	2648.4	2554.5	2570.8
60°	2640.3	2650.7	2737.7	2926.6	3207.1	3282.4	2896.4	2634.5	2443.3	2388.8	2413.1
62.5°	1866.1	1857.9	1920.5	2074.7	2326.2	2428.2	2153.5	1969.2	1848.7	1788.4	1802.3
65°	992.1	1029.2	1054.7	1150.9	1284.2	1392.0	1278.4	1198.4	1131.2	1081.4	1080.2
67.5°	669.9	665.3	671.1	693.1	738.3	768.4	766.1	725.6	719.8	710.5	720.9
70°	564.5	562.1	551.7	551.7	561.0	567.9	576.0	580.7	590.0	601.5	600.4
72.5°	457.8	452.0	445.1	441.6	453.2	456.7	467.1	471.7	479.8	478.7	489.1
75°	302.5	302.5	310.6	319.9	323.4	330.3	331.5	345.4	345.4	347.7	338.4
77.5°	169.2	164.6	170.4	179.7	187.8	200.5	213.3	223.7	229.5	227.2	227.2
80°	98.5	98.5	104.3	114.7	125.2	136.8	146.0	154.2	159.9	157.6	153.0
82.5°	61.4	61.4	67.2	77.7	85.8	92.7	105.5	115.9	122.9	120.5	114.7
85°	31.3	31.3	38.2	45.2	55.6	60.3	59.1	54.5	53.3	47.5	47.5
87.5°	8.1	8.1	11.6	12.7	10.4	11.6	11.6	11.6	11.6	11.6	12.7
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)