

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: P527294

Luminaire Tested: **GALN-SA2B-740-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527294
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-740-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 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: 10027 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

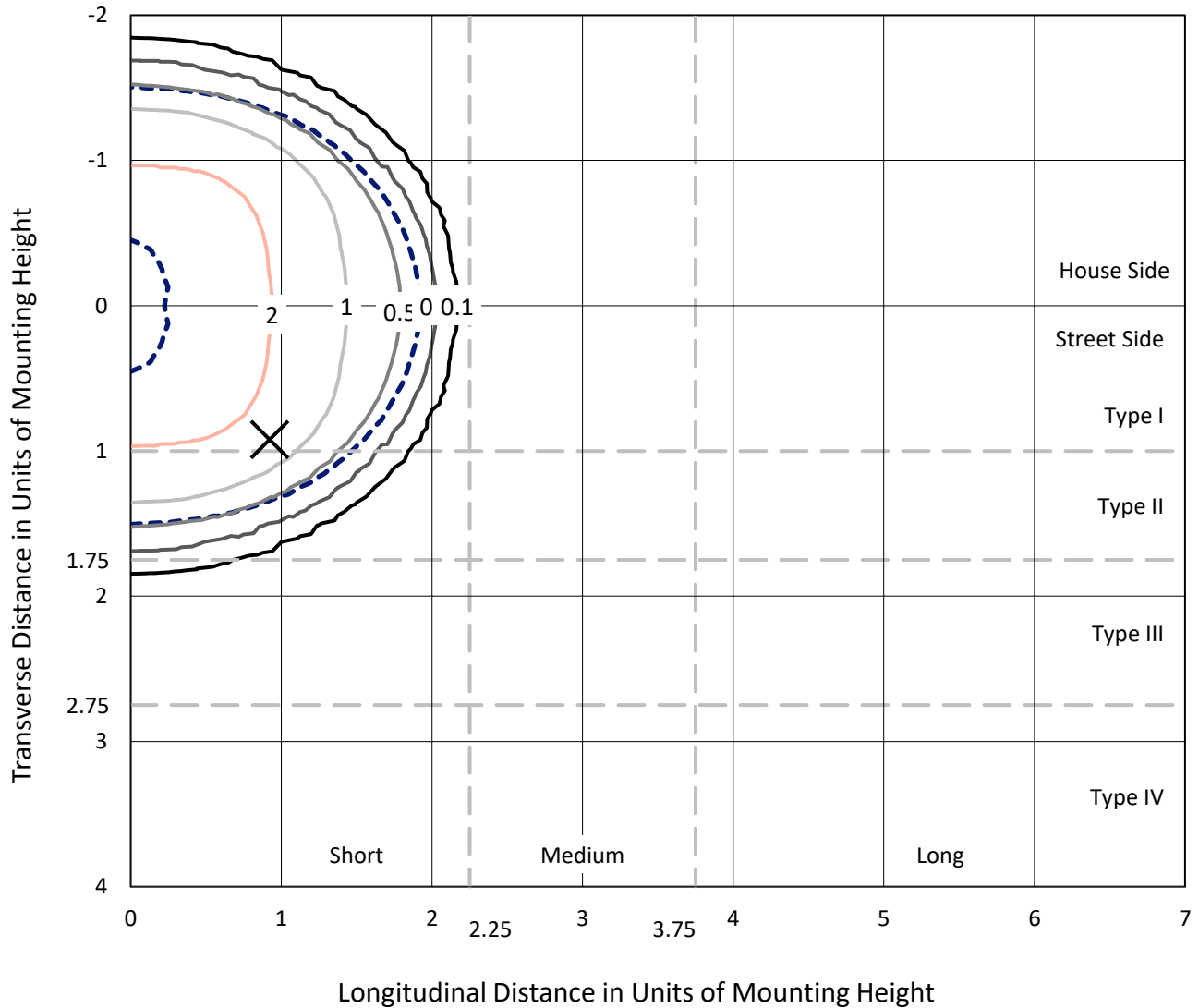
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

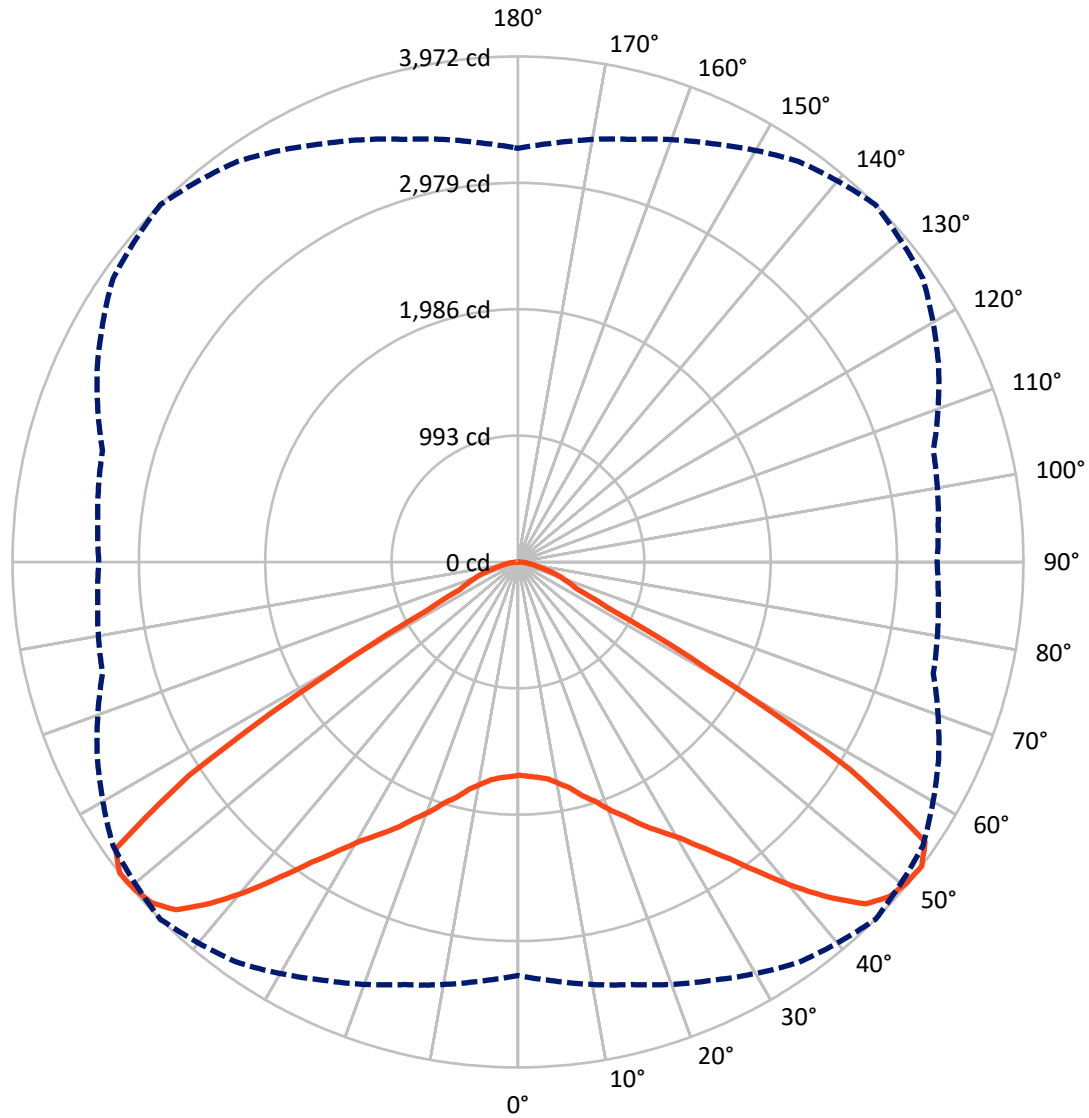
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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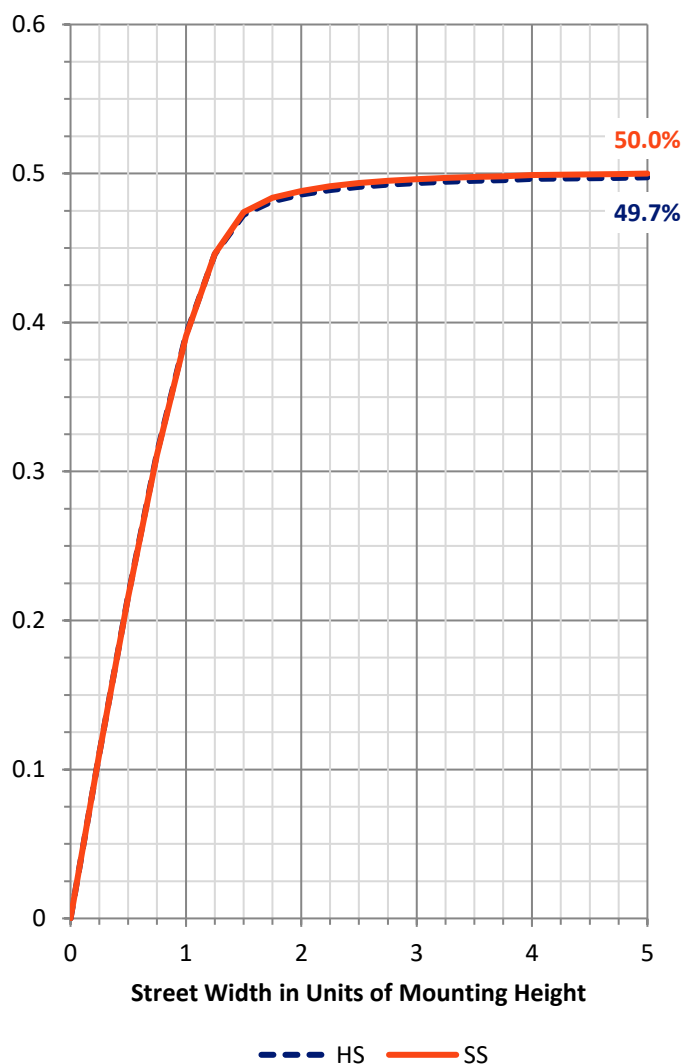
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5013.5	0.0	5013.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5013.5	0.0	5013.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10027.0	0.0	10027.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.7	1.6
10°-20°	541.1	5.4
20°-30°	1030.2	10.3
30°-40°	1768.9	17.6
40°-50°	2718.9	27.1
50°-60°	2761.0	27.5
60°-70°	769.4	7.7
70°-80°	227.0	2.3
80°-90°	45.7	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°	10027.0	100.0
0°-180°	10027.0	100.0

Coefficient of Utilization



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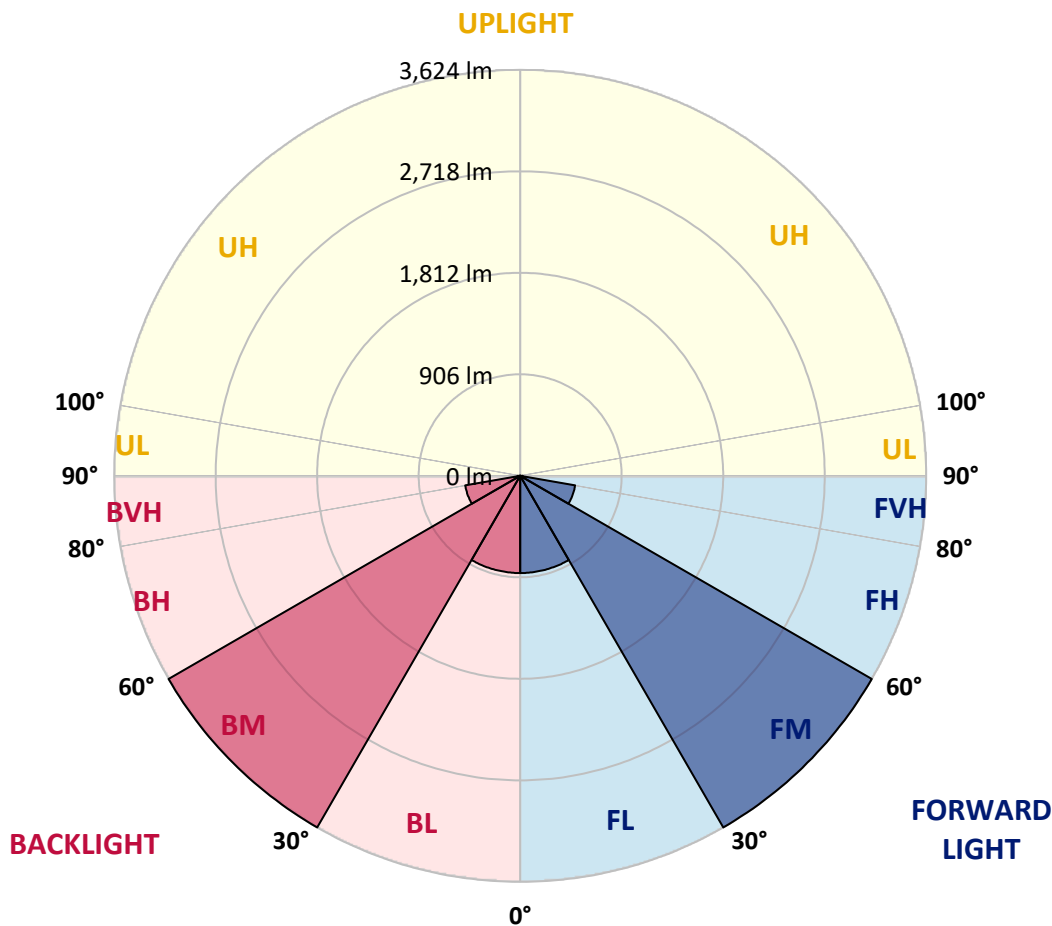
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	868.0	8.7			
FM (30°-60°)	3624.4	36.1			
FH (60°-80°)	498.2	5.0			G0/660
FVH (80°-90°)	22.9	0.2			G1/100
BL (0°-30°)	868.0	8.7	B2/1000		
BM (30°-60°)	3624.4	36.1	B3/5000		
BH (60°-80°)	498.2	5.0	B1/500		G0/660
BVH (80°-90°)	22.9	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°	1676.1	1676.1	1676.1	1676.1	1676.1	1676.1	1676.1	1676.1	1676.1	1676.1	1676.1
2.5°	1679.9	1662.5	1668.7	1672.4	1688.6	1687.3	1683.6	1688.6	1693.6	1694.8	1692.3
5°	1678.6	1666.2	1671.2	1674.9	1691.1	1699.8	1697.3	1718.5	1733.4	1729.7	1748.3
7.5°	1668.7	1676.1	1669.9	1688.6	1702.3	1723.4	1745.8	1765.7	1784.4	1805.6	1809.3
10°	1691.1	1691.1	1702.3	1717.2	1753.3	1769.5	1801.8	1830.4	1866.5	1891.4	1881.5
12.5°	1714.7	1718.5	1718.5	1757.0	1786.9	1823.0	1852.8	1891.4	1942.4	1972.3	1987.2
15°	1738.4	1740.9	1753.3	1805.6	1850.4	1907.6	1935.0	1969.8	1998.4	2054.4	2055.7
17.5°	1759.5	1773.2	1810.5	1869.0	1925.0	1979.8	2023.3	2059.4	2084.3	2106.7	2101.7
20°	1839.2	1849.1	1887.7	1946.2	2029.5	2083.0	2098.0	2104.2	2120.4	2165.2	2151.5
22.5°	1916.3	1920.0	1956.1	2045.7	2104.2	2175.1	2191.3	2187.6	2193.8	2205.0	2224.9
25°	1995.9	2002.2	2051.9	2127.8	2210.0	2294.6	2308.3	2279.7	2270.9	2283.4	2284.6
27.5°	2098.0	2099.2	2162.7	2228.6	2322.0	2401.6	2422.8	2400.4	2359.3	2369.3	2385.4
30°	2227.4	2218.7	2282.1	2376.7	2475.0	2519.8	2555.9	2544.7	2499.9	2491.2	2477.5
32.5°	2376.7	2379.2	2436.4	2539.7	2604.4	2679.1	2717.7	2699.0	2670.4	2655.5	2664.2
35°	2587.0	2598.2	2636.8	2722.6	2827.2	2864.5	2925.5	2885.7	2811.0	2829.7	2845.8
37.5°	2760.0	2792.3	2864.5	2966.5	3028.8	3097.2	3119.6	3066.1	3011.3	2988.9	3042.4
40°	3025.0	3015.1	3094.7	3196.7	3288.8	3357.3	3328.6	3275.1	3139.5	3140.8	3155.7
42.5°	3252.7	3257.7	3318.7	3440.6	3566.3	3608.6	3517.8	3387.1	3236.6	3220.4	3252.7
45°	3444.4	3464.3	3499.1	3662.1	3785.3	3831.4	3663.4	3509.1	3307.5	3240.3	3293.8
47.5°	3512.8	3545.2	3621.1	3770.4	3892.3	3929.7	3795.3	3573.8	3373.4	3263.9	3292.6
50°	3522.8	3511.6	3636.0	3772.9	3879.9	3960.8	3842.6	3621.1	3357.3	3300.0	3291.3
52.5°	3250.3	3305.0	3438.2	3626.0	3842.6	3972.0	3884.9	3647.2	3379.7	3315.0	3293.8
55°	2630.6	2565.9	2808.5	3124.6	3522.8	3882.4	3869.9	3660.9	3393.4	3339.8	3311.2
57.5°	1468.3	1487.0	1623.9	1967.3	2481.2	3078.5	3440.6	3516.5	3387.1	3356.0	3371.0
60°	679.4	685.6	744.1	904.6	1223.2	1745.8	2222.4	2706.5	2929.2	2974.0	2974.0
62.5°	506.5	504.0	518.9	547.5	614.7	802.6	1071.4	1455.9	1762.0	1976.0	2032.0
65°	457.9	456.7	464.1	474.1	479.1	505.2	564.9	683.2	782.7	839.9	830.0
67.5°	400.7	399.4	401.9	408.1	416.9	430.5	445.5	470.4	505.2	502.7	496.5
70°	323.5	323.5	327.3	332.2	342.2	358.4	375.8	393.2	423.1	429.3	428.1
72.5°	238.9	235.2	242.6	252.6	262.6	282.5	301.1	317.3	338.5	344.7	342.2
75°	151.8	154.3	159.3	170.5	187.9	201.6	221.5	235.2	248.9	253.8	255.1
77.5°	84.6	87.1	95.8	109.5	126.9	141.9	159.3	170.5	179.2	180.4	181.7
80°	51.0	52.3	61.0	73.4	88.3	104.5	118.2	129.4	136.9	133.1	131.9
82.5°	31.1	32.4	39.8	51.0	63.5	75.9	90.8	100.8	108.3	103.3	98.3
85°	16.2	17.4	23.6	31.1	41.1	47.3	47.3	42.3	41.1	38.6	37.3
87.5°	5.0	5.0	6.2	7.5	6.2	7.5	8.7	10.0	10.0	11.2	10.0
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)