

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: P527238

Luminaire Tested: **GALN-SA2B-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527238  
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-730-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 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: 8841 lumens  
Efficiency: N/A  
Efficacy: 107.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

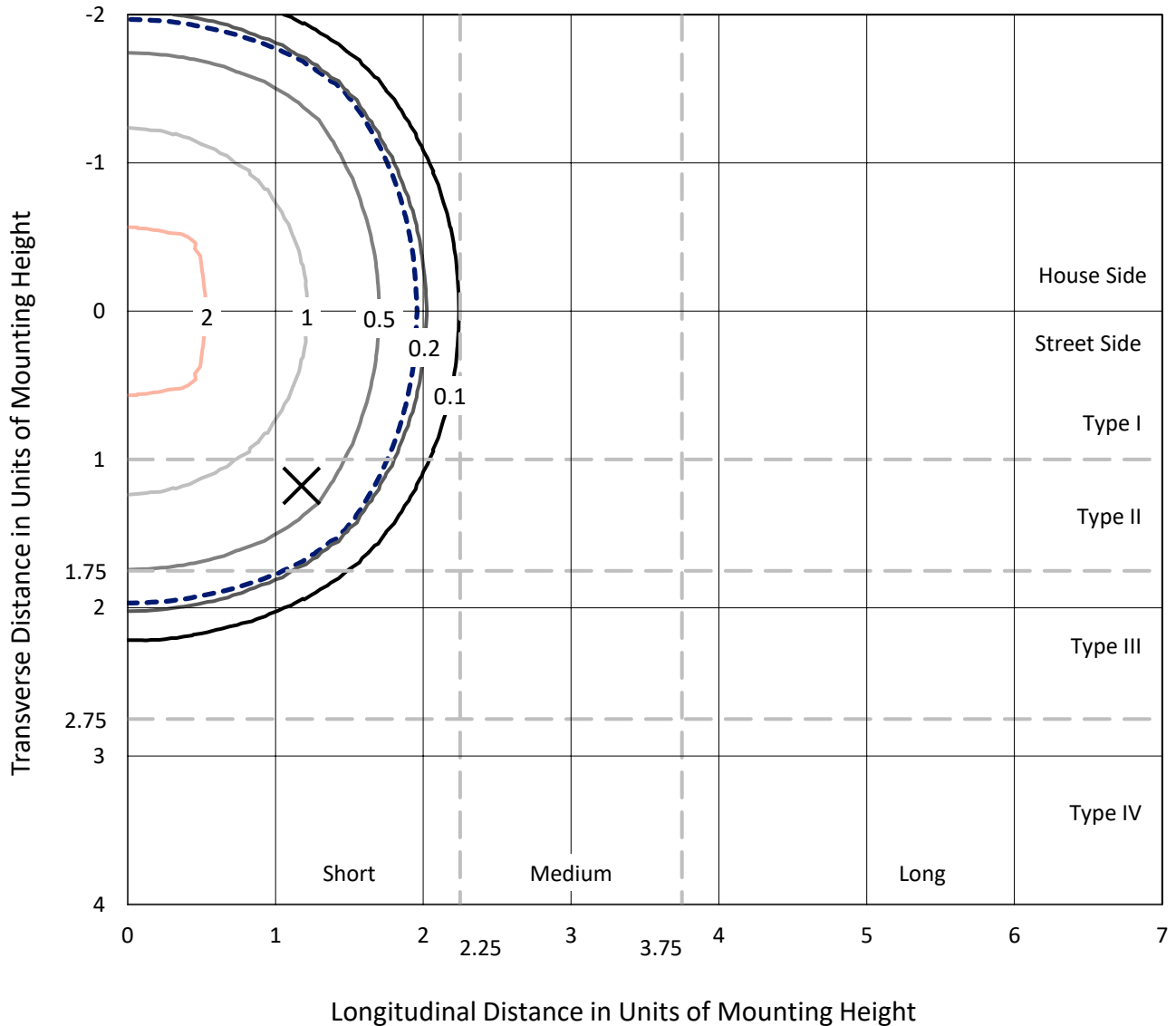
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

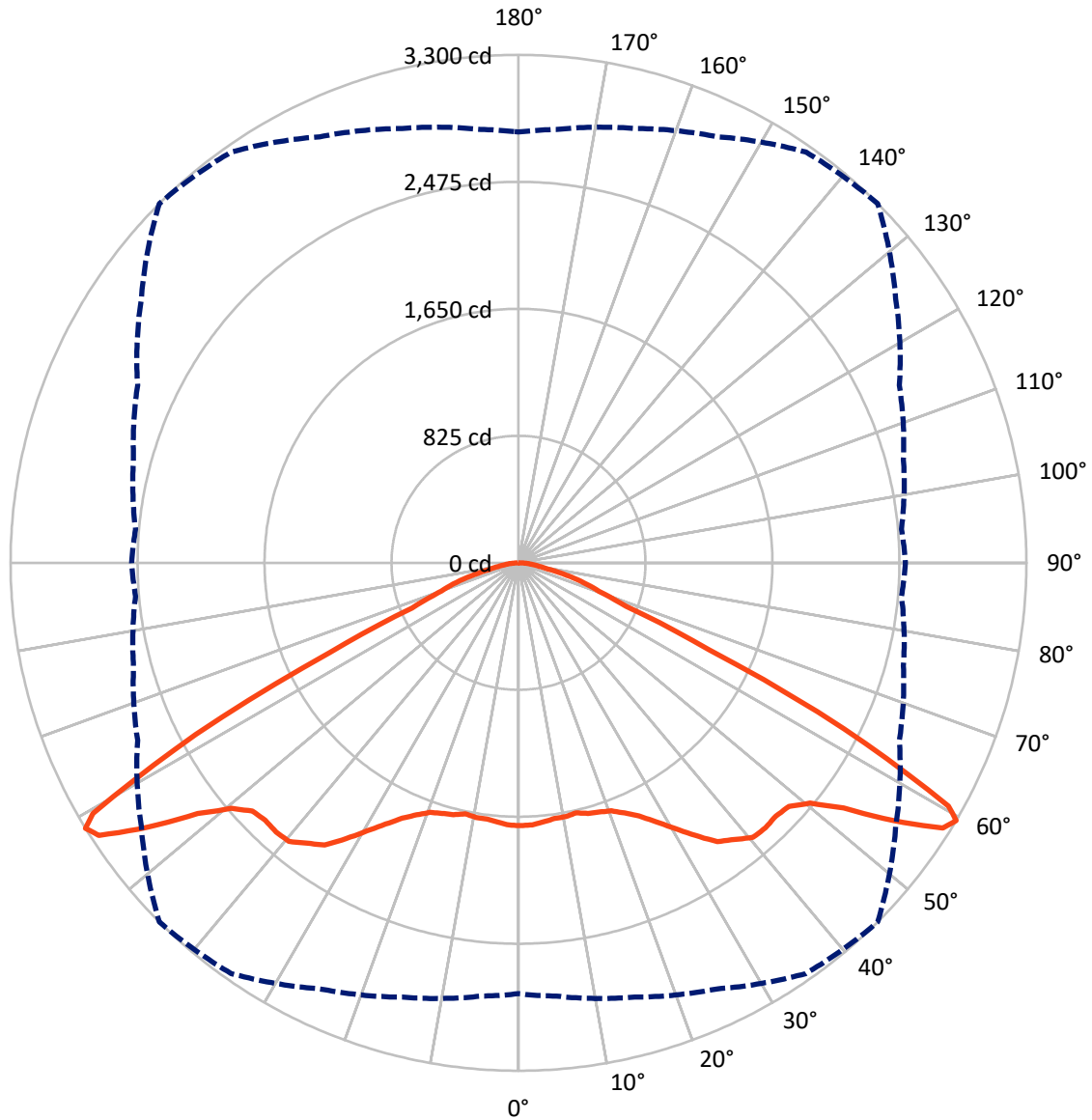
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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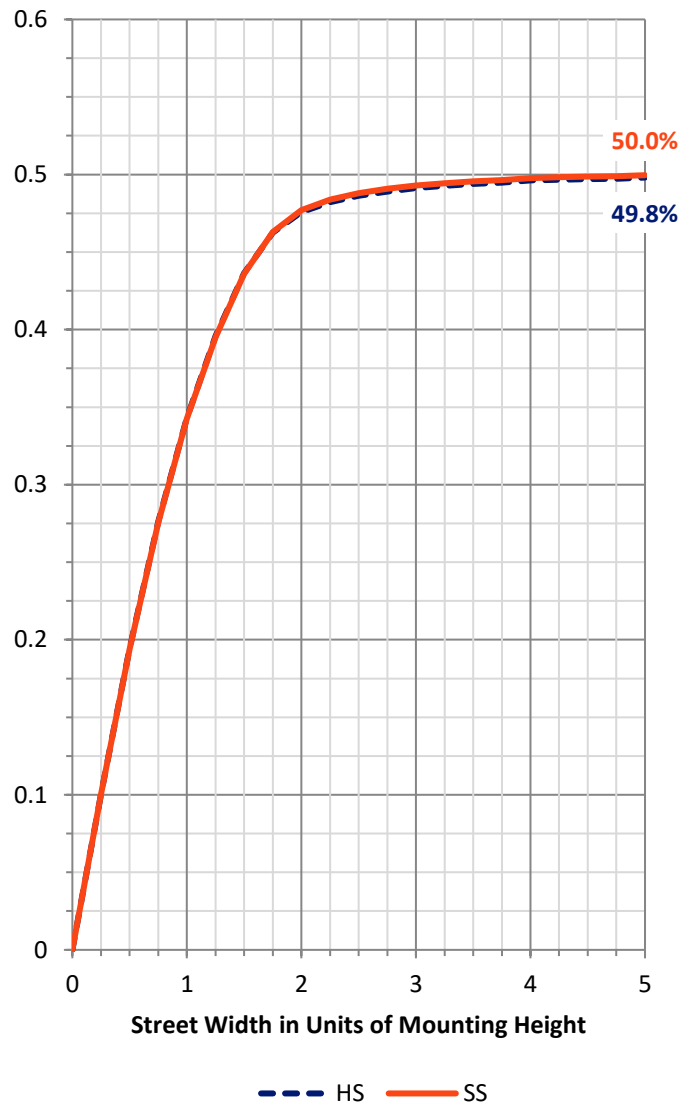
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4420.5	0.0	4420.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4420.5	0.0	4420.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8841.0	0.0	8841.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.0	1.8
10°-20°	478.7	5.4
20°-30°	835.9	9.5
30°-40°	1335.0	15.1
40°-50°	1818.6	20.6
50°-60°	2459.2	27.8
60°-70°	1348.6	15.3
70°-80°	345.0	3.9
80°-90°	58.8	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°	8841.0	100.0
0°-180°	8841.0	100.0

**Coefficient of Utilization**



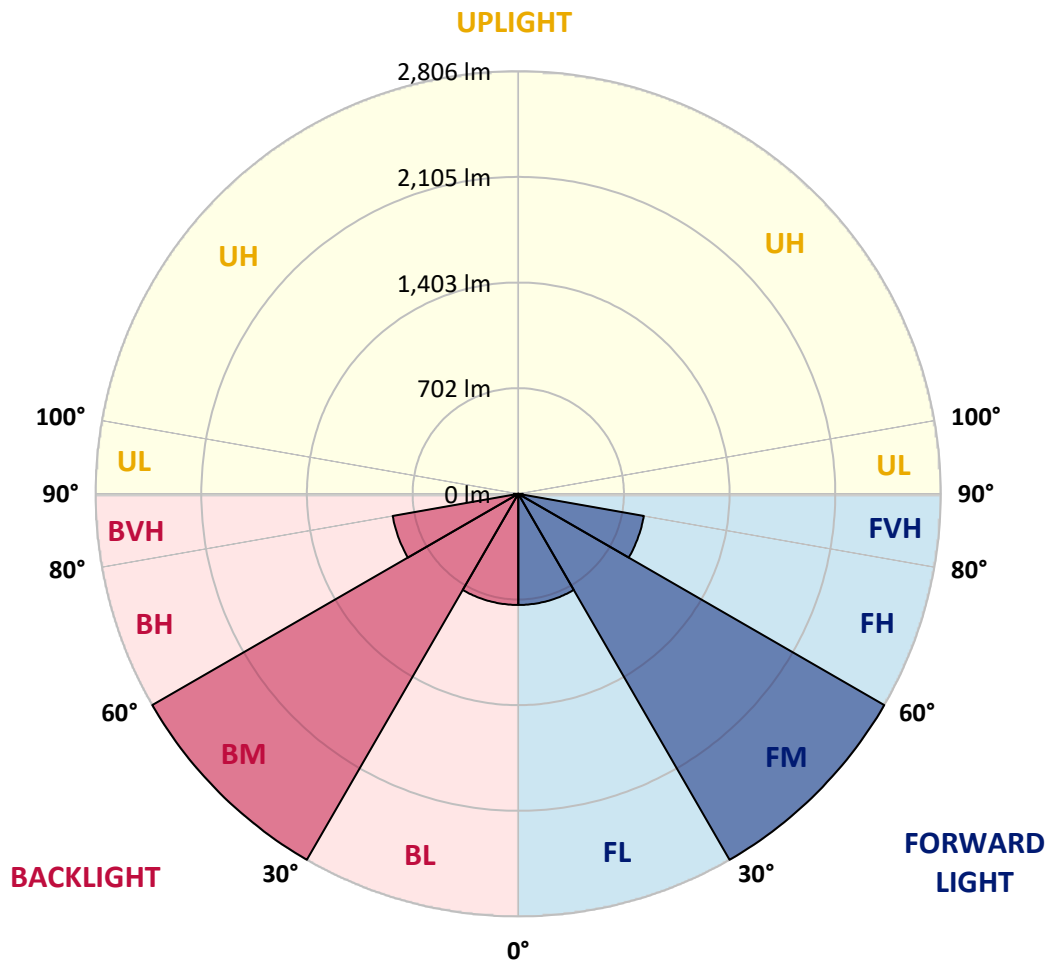
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	737.8	8.3			
FM (30°-60°)	2806.4	31.7			
FH (60°-80°)	846.8	9.6			G1/1800
FVH (80°-90°)	29.4	0.3			G1/100
BL (0°-30°)	737.8	8.3	B2/1000		
BM (30°-60°)	2806.4	31.7	B3/5000		
BH (60°-80°)	846.8	9.6	B2/1000		G1/1800
BVH (80°-90°)	29.4	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°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1697.5	1709.9	1700.9	1708.8	1707.7	1704.3	1698.6	1695.2	1690.7	1697.5	1686.1
5°	1690.7	1700.9	1711.1	1697.5	1697.5	1690.7	1687.3	1680.5	1680.5	1679.3	1678.2
7.5°	1702.0	1691.8	1687.3	1689.5	1691.8	1677.1	1687.3	1673.7	1662.3	1670.3	1679.3
10°	1691.8	1696.3	1679.3	1687.3	1674.8	1677.1	1670.3	1679.3	1666.9	1666.9	1666.9
12.5°	1702.0	1689.5	1695.2	1689.5	1686.1	1666.9	1675.9	1665.7	1664.6	1675.9	1665.7
15°	1722.4	1702.0	1697.5	1686.1	1689.5	1689.5	1680.5	1681.6	1669.1	1675.9	1678.2
17.5°	1715.6	1704.3	1700.9	1687.3	1698.6	1702.0	1685.0	1673.7	1681.6	1680.5	1679.3
20°	1721.3	1725.8	1722.4	1724.7	1729.2	1720.1	1704.3	1688.4	1678.2	1692.9	1691.8
22.5°	1757.5	1753.0	1750.7	1748.5	1756.4	1765.4	1743.9	1719.0	1719.0	1729.2	1733.7
25°	1787.0	1785.8	1784.7	1794.9	1822.1	1822.1	1794.9	1763.2	1755.3	1762.0	1756.4
27.5°	1830.0	1842.5	1838.0	1856.1	1895.8	1904.8	1868.6	1831.2	1809.6	1801.7	1811.9
30°	1928.6	1913.9	1917.3	1936.6	1971.7	2001.1	1945.6	1906.0	1876.5	1875.4	1879.9
32.5°	1994.3	2005.7	2015.9	2034.0	2089.5	2112.2	2045.3	1980.7	1962.6	1952.4	1955.8
35°	2125.8	2115.6	2113.3	2131.5	2187.0	2224.4	2140.5	2083.9	2060.1	2082.7	2082.7
37.5°	2250.4	2222.1	2200.6	2224.4	2275.4	2279.9	2208.5	2177.9	2165.5	2191.5	2190.4
40°	2309.4	2307.1	2257.2	2270.8	2338.8	2345.6	2278.8	2242.5	2240.2	2274.2	2308.2
42.5°	2370.6	2349.0	2299.2	2308.2	2350.2	2352.4	2289.0	2278.8	2303.7	2336.6	2338.8
45°	2380.8	2362.6	2330.9	2308.2	2338.8	2345.6	2308.2	2315.0	2317.3	2357.0	2357.0
47.5°	2401.1	2398.9	2380.8	2363.8	2369.4	2363.8	2340.0	2350.2	2384.1	2403.4	2394.3
50°	2457.8	2434.0	2452.1	2437.4	2438.5	2454.4	2432.9	2443.1	2436.3	2419.3	2407.9
52.5°	2582.5	2571.1	2587.0	2597.2	2608.5	2644.8	2619.8	2565.5	2514.5	2469.1	2468.0
55°	2764.9	2772.8	2803.4	2855.5	2899.7	2957.5	2837.4	2707.1	2625.5	2554.1	2558.7
57.5°	2937.1	2931.5	2973.4	3092.4	3221.5	3251.0	3015.3	2829.5	2696.9	2651.6	2632.3
59°	2798.9	2826.1	2921.3	3053.8	3256.7	3299.7	2991.5	2729.8	2589.2	2497.5	2513.3
60°	2581.3	2591.5	2676.5	2861.2	3135.4	3209.1	2831.7	2575.7	2388.7	2335.4	2359.2
62.5°	1824.4	1816.4	1877.6	2028.3	2274.2	2374.0	2105.4	1925.2	1807.4	1748.5	1762.0
65°	970.0	1006.2	1031.2	1125.2	1255.5	1360.9	1249.9	1171.7	1106.0	1057.2	1056.1
67.5°	655.0	650.4	656.1	677.6	721.8	751.3	749.0	709.4	703.7	694.6	704.8
70°	551.8	549.6	539.4	539.4	548.4	555.2	563.2	567.7	576.8	588.1	587.0
72.5°	447.6	441.9	435.1	431.7	443.1	446.5	456.7	461.2	469.1	468.0	478.2
75°	295.8	295.8	303.7	312.7	316.1	322.9	324.1	337.7	337.7	339.9	330.9
77.5°	165.4	160.9	166.6	175.6	183.6	196.0	208.5	218.7	224.4	222.1	222.1
80°	96.3	96.3	102.0	112.2	122.4	133.7	142.8	150.7	156.4	154.1	149.6
82.5°	60.1	60.1	65.7	75.9	83.9	90.7	103.1	113.3	120.1	117.8	112.2
85°	30.6	30.6	37.4	44.2	54.4	58.9	57.8	53.3	52.1	46.5	46.5
87.5°	7.9	7.9	11.3	12.5	10.2	11.3	11.3	11.3	11.3	11.3	12.5
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)