

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: P527028

Luminaire Tested: **GALN-SA2A-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527028  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2A-735-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7717 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

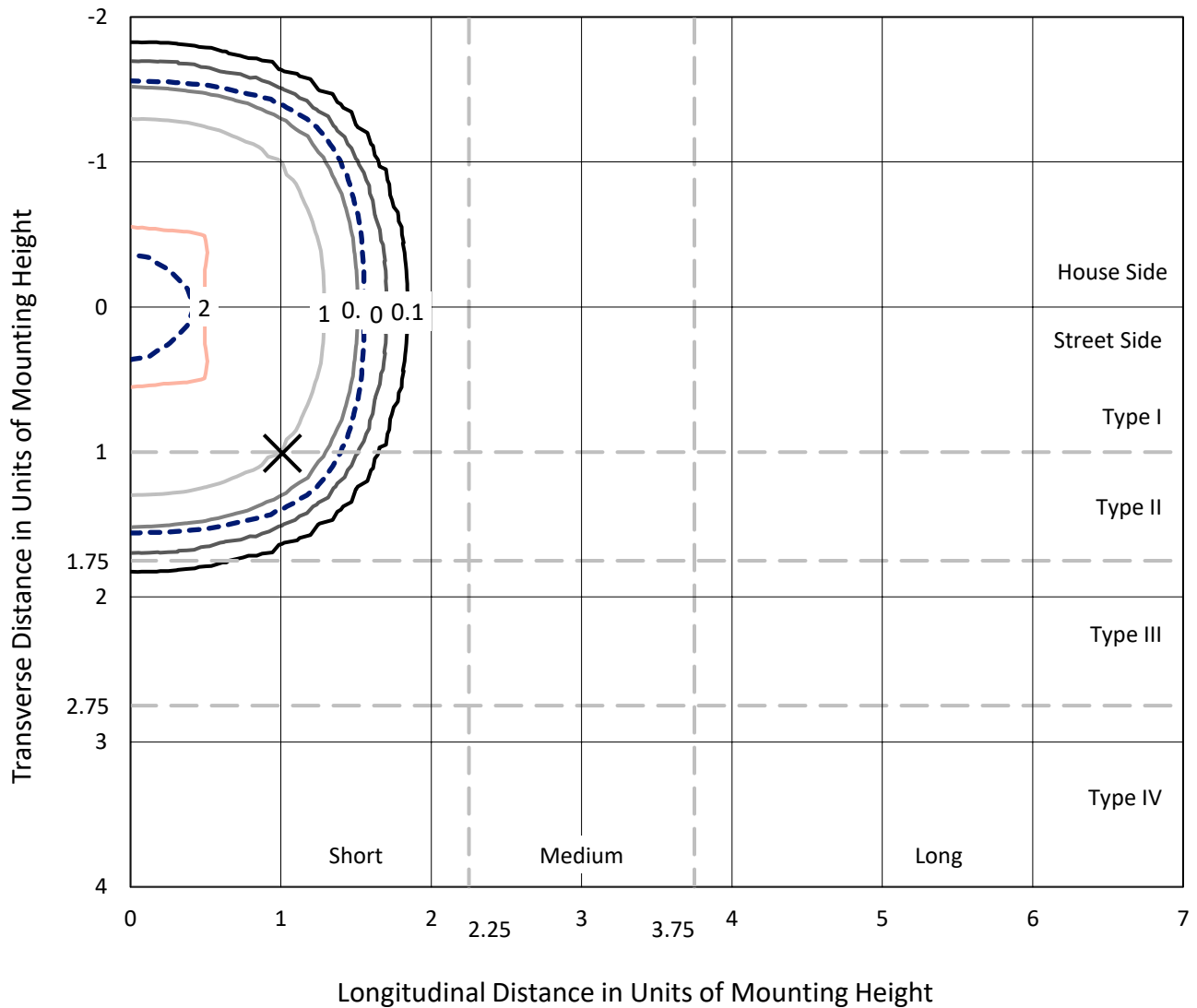
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

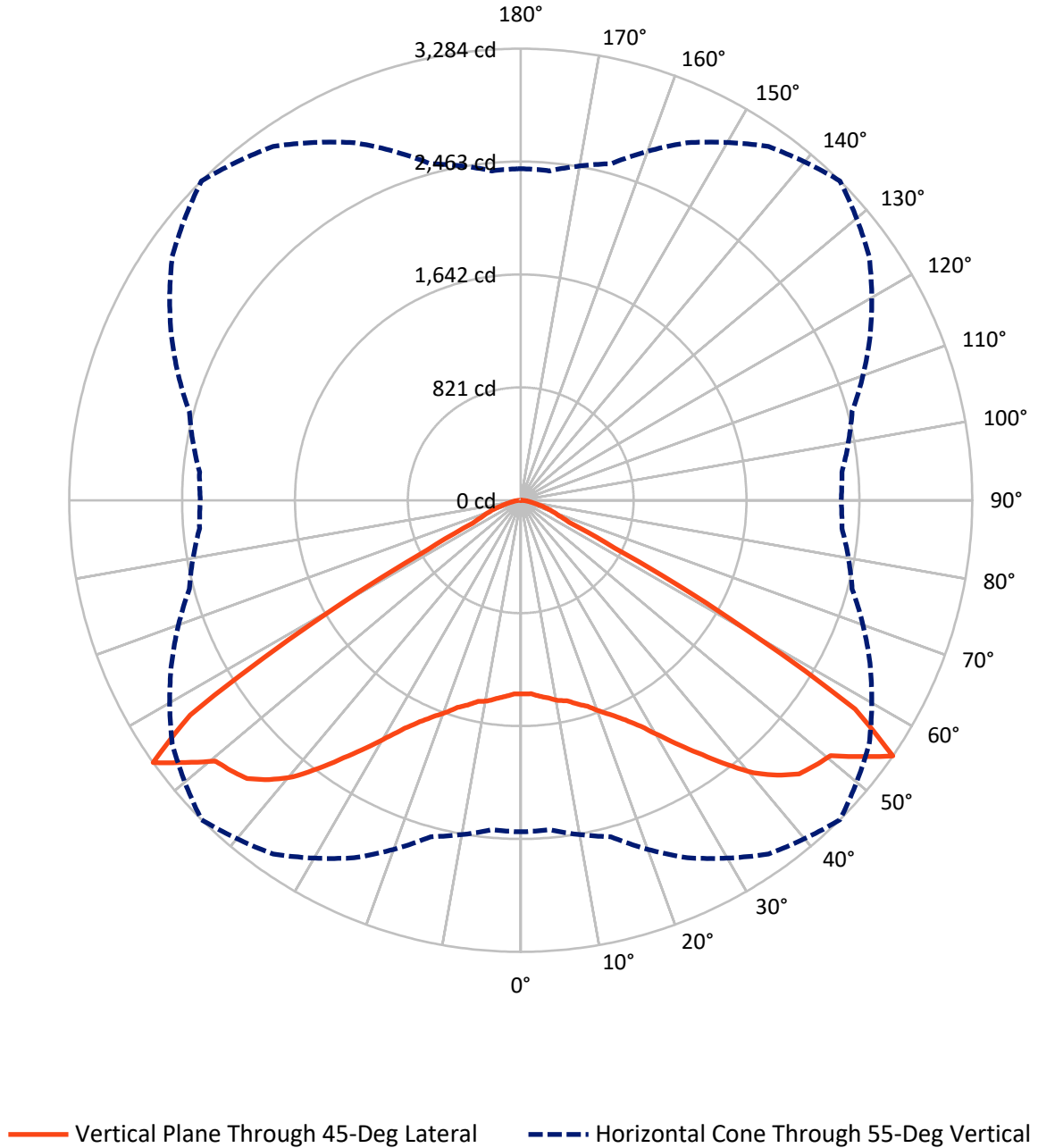
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3858.5	0.0	3858.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3858.5	0.0	3858.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7717.0	0.0	7717.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.6	1.8
10°-20°	436.1	5.7
20°-30°	813.3	10.5
30°-40°	1361.7	17.6
40°-50°	2118.8	27.5
50°-60°	2200.0	28.5
60°-70°	466.6	6.0
70°-80°	153.6	2.0
80°-90°	29.3	0.4
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°	7717.0	100.0
0°-180°	7717.0	100.0

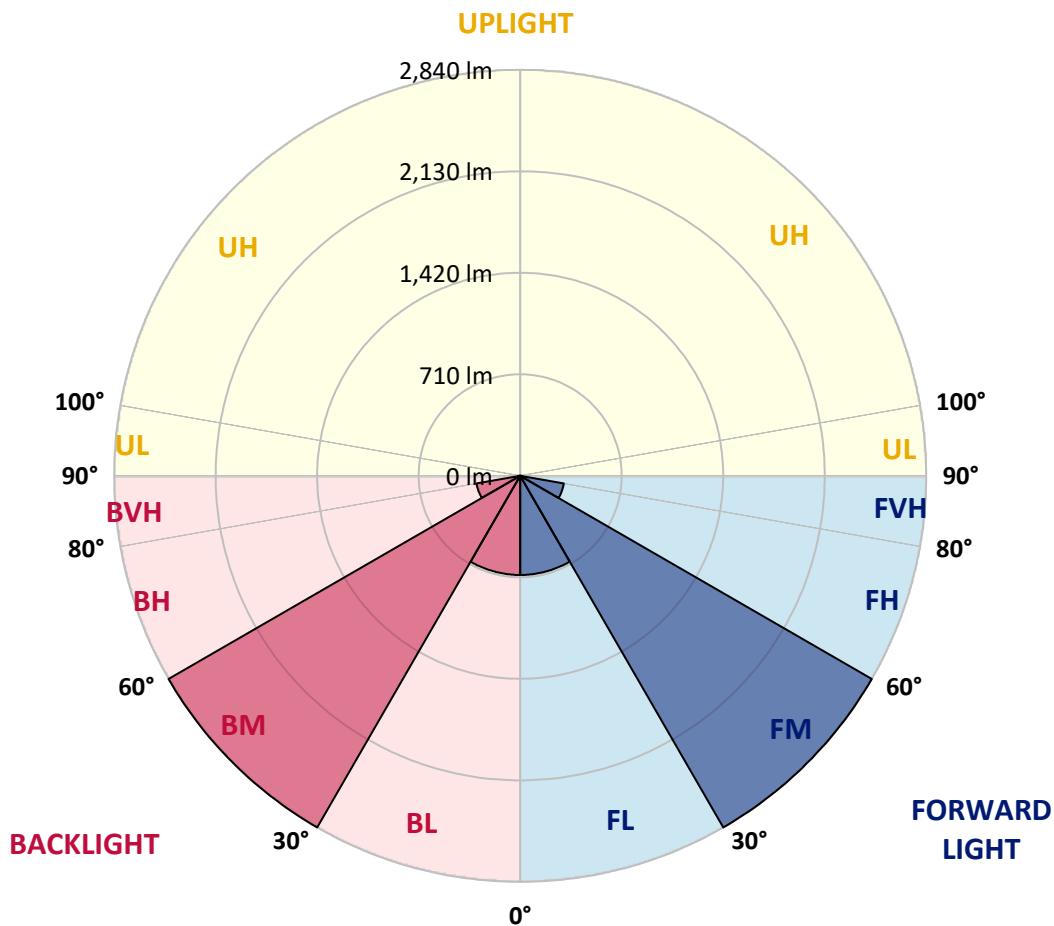


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	693.5	9.0			
FM (30°-60°)	2840.2	36.8			
FH (60°-80°)	310.1	4.0			G0/660
FVH (80°-90°)	14.6	0.2			G1/100
BL (0°-30°)	693.5	9.0	B2/1000		
BM (30°-60°)	2840.2	36.8	B3/5000		
BH (60°-80°)	310.1	4.0	B1/500		G0/660
BVH (80°-90°)	14.6	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°	1409.0	1409.0	1409.0	1409.0	1409.0	1409.0	1409.0	1409.0	1409.0	1409.0	1409.0
2.5°	1425.8	1419.3	1408.1	1416.5	1423.0	1409.0	1414.6	1417.4	1415.5	1408.1	1410.9
5°	1446.3	1442.6	1433.3	1439.8	1431.4	1431.4	1425.8	1418.3	1429.5	1427.7	1432.3
7.5°	1446.3	1441.6	1460.3	1448.2	1451.9	1451.9	1442.6	1435.1	1440.7	1432.3	1427.7
10°	1475.2	1481.7	1473.4	1476.1	1474.3	1480.8	1466.8	1462.2	1457.5	1454.7	1449.1
12.5°	1509.7	1505.1	1507.9	1506.0	1512.5	1495.7	1487.3	1477.1	1485.5	1473.4	1481.7
15°	1537.7	1534.9	1537.7	1545.2	1538.6	1537.7	1522.8	1512.5	1499.5	1502.3	1489.2
17.5°	1575.9	1573.1	1574.1	1580.6	1579.7	1575.0	1563.8	1544.2	1539.6	1532.1	1523.7
20°	1632.8	1628.1	1626.3	1629.1	1633.7	1637.5	1615.1	1607.6	1591.8	1579.7	1565.7
22.5°	1681.3	1679.4	1686.9	1674.8	1685.0	1696.2	1674.8	1671.0	1631.9	1625.3	1610.4
25°	1748.4	1745.6	1741.0	1758.7	1770.8	1769.9	1749.4	1728.9	1699.0	1691.6	1691.6
27.5°	1819.3	1803.5	1827.7	1832.4	1853.8	1860.3	1842.6	1812.8	1784.8	1769.0	1772.7
30°	1907.9	1893.0	1898.6	1932.1	1960.1	1984.4	1939.6	1895.8	1856.6	1828.6	1824.0
32.5°	1996.5	1981.6	1998.3	2031.0	2086.9	2123.3	2079.5	2003.0	1957.3	1916.3	1924.7
35°	2068.3	2079.5	2106.5	2155.9	2213.8	2272.5	2202.6	2143.8	2078.5	2032.9	2039.4
37.5°	2183.9	2218.4	2239.9	2296.8	2378.8	2439.4	2366.7	2290.2	2220.3	2160.6	2140.1
40°	2335.0	2358.3	2382.5	2449.7	2546.7	2607.3	2538.3	2438.5	2369.5	2307.9	2305.1
42.5°	2501.0	2523.3	2548.5	2630.6	2688.4	2734.1	2670.7	2617.5	2541.1	2492.6	2489.8
45°	2694.0	2678.1	2706.1	2760.2	2808.7	2838.5	2797.5	2771.4	2716.4	2671.6	2667.0
47.5°	2822.7	2808.7	2859.0	2907.5	2915.0	2882.4	2890.8	2915.0	2857.2	2783.5	2806.8
50°	2897.3	2897.3	2930.9	2975.6	2961.6	2919.7	2985.9	2987.7	2929.9	2864.6	2864.6
52.5°	2767.7	2796.6	2891.7	3038.1	3084.7	3096.8	3081.9	3018.5	2867.4	2734.1	2727.6
55°	2411.4	2404.9	2533.6	2869.3	3140.7	3284.3	3094.0	2802.2	2495.4	2345.2	2330.3
57.5°	1568.5	1575.9	1768.0	2110.2	2599.8	2867.4	2546.7	2136.4	1768.0	1561.0	1580.6
60°	705.9	731.1	847.6	1103.1	1523.7	1741.9	1527.4	1159.1	889.6	772.1	782.4
62.5°	405.6	410.3	415.0	492.4	649.0	767.4	674.2	520.3	458.8	438.3	438.3
65°	342.2	339.4	340.4	346.9	363.7	387.9	377.7	363.7	365.5	363.7	360.9
67.5°	290.9	294.7	291.9	296.5	297.5	301.2	307.7	313.3	314.3	316.1	314.3
70°	238.7	239.7	241.5	245.2	246.2	249.0	258.3	263.0	265.8	265.8	269.5
72.5°	182.8	181.8	183.7	187.4	192.1	193.0	201.4	207.9	211.7	207.0	207.9
75°	120.3	121.2	124.0	126.8	133.3	139.9	142.7	149.2	150.1	152.0	147.3
77.5°	71.8	73.7	76.5	82.1	87.7	93.3	99.8	104.4	106.3	104.4	98.8
80°	46.6	46.6	50.4	55.0	61.5	66.2	69.9	73.7	76.5	73.7	71.8
82.5°	28.9	28.9	33.6	39.2	43.8	46.6	52.2	56.9	59.7	57.8	55.0
85°	14.9	15.9	19.6	24.2	28.0	29.8	28.9	26.1	23.3	22.4	20.5
87.5°	4.7	4.7	5.6	5.6	4.7	4.7	5.6	4.7	5.6	5.6	5.6
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)