

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: P527026

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527026  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
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-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7562 lumens  
Efficiency: N/A  
Efficacy: 120.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

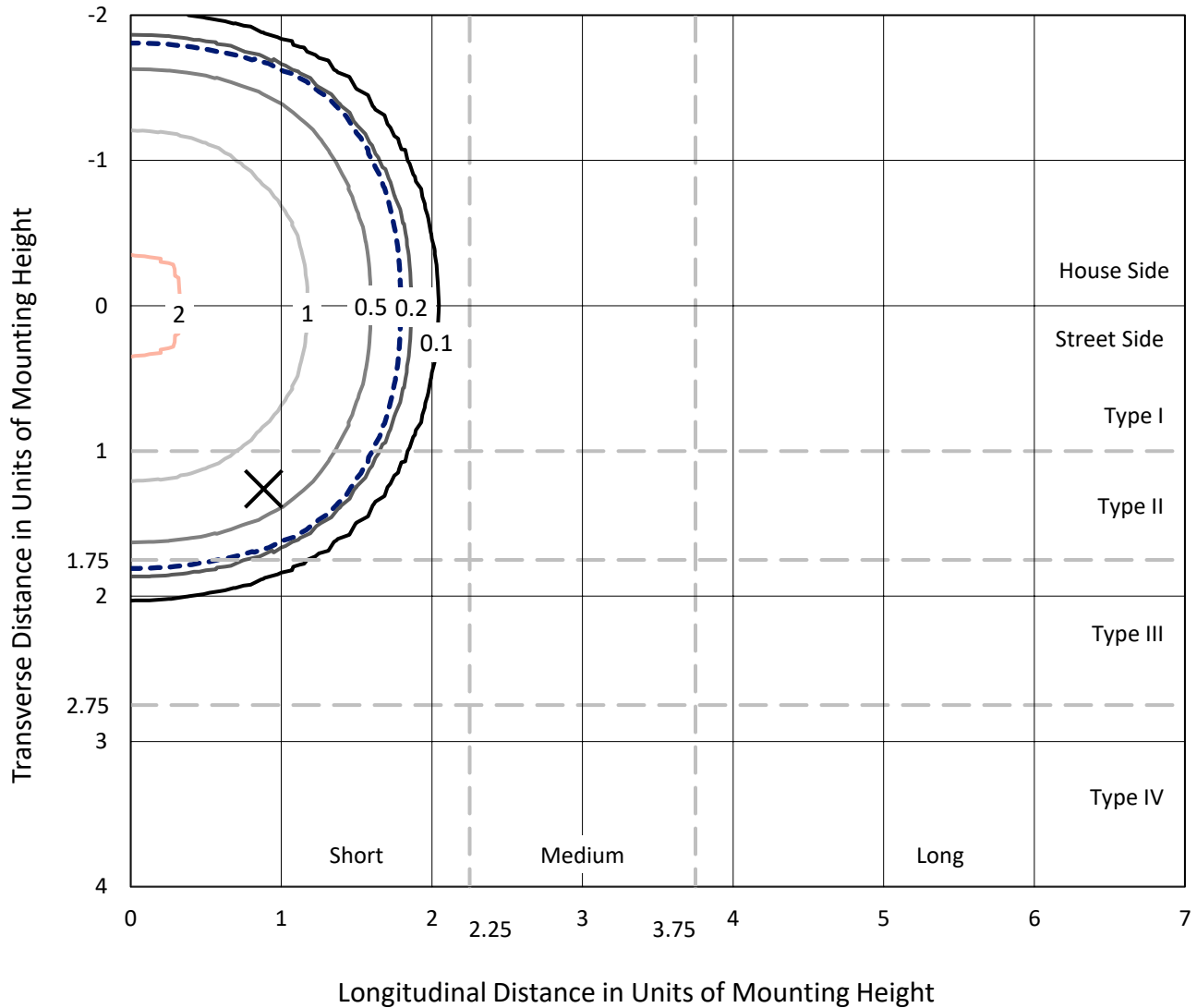
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P527026  
 CATALOG NUMBER: GALN-SA2A-735-U-5MQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

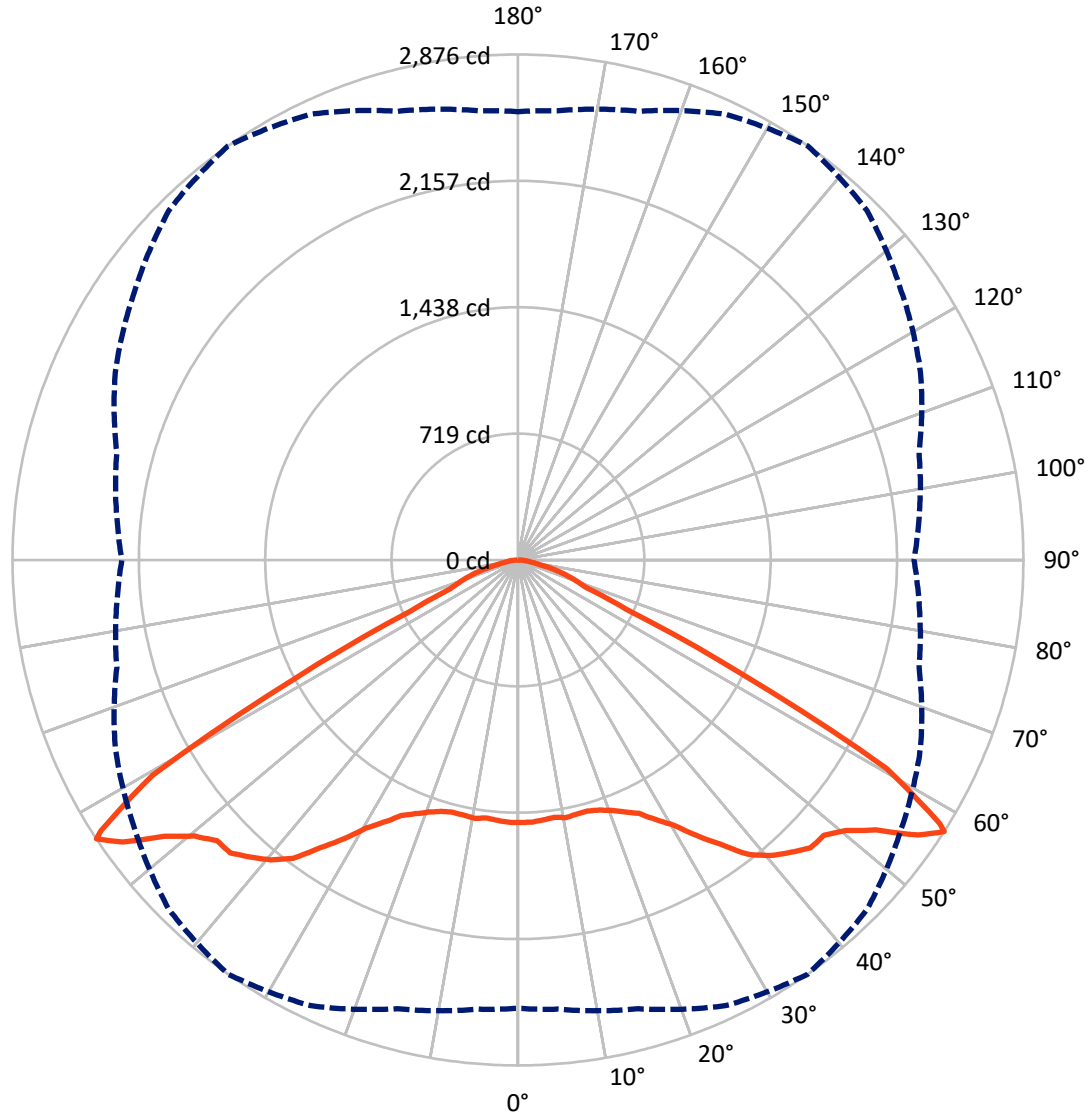
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P527026  
CATALOG NUMBER: GALN-SA2A-735-U-5MQ-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

REPORT NUMBER: P527026  
 CATALOG NUMBER: GALN-SA2A-735-U-5MQ-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3781.0	0.0	3781.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3781.0	0.0	3781.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7562.0	0.0	7562.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.6	1.9
10°-20°	419.3	5.5
20°-30°	732.4	9.7
30°-40°	1200.0	15.9
40°-50°	1759.5	23.3
50°-60°	2216.2	29.3
60°-70°	833.5	11.0
70°-80°	221.6	2.9
80°-90°	38.0	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°	7562.0	100.0
0°-180°	7562.0	100.0

**Coefficient of Utilization**



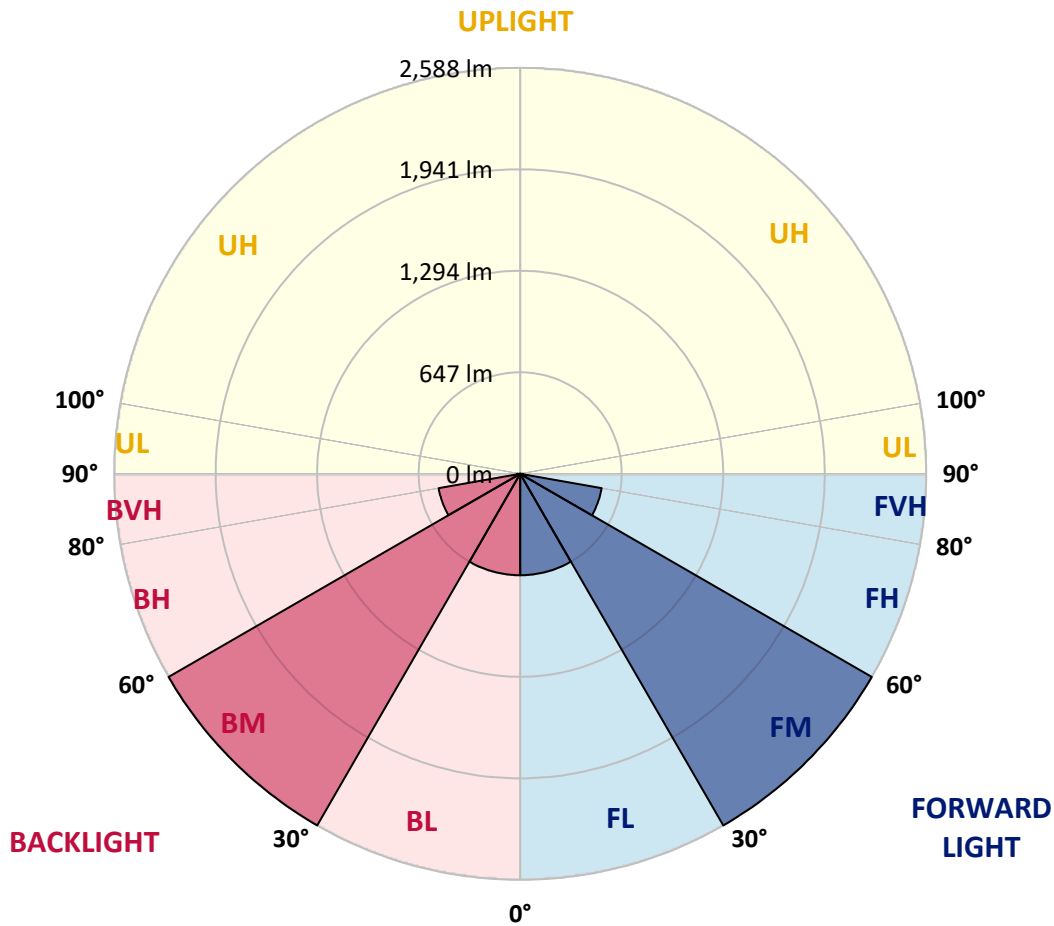
REPORT NUMBER: P527026  
 CATALOG NUMBER: GALN-SA2A-735-U-5MQ-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	646.6	8.6			
FM (30°-60°)	2587.8	34.2			
FH (60°-80°)	527.6	7.0			G0/660
FVH (80°-90°)	19.0	0.3			G1/100
BL (0°-30°)	646.6	8.6	B2/1000		
BM (30°-60°)	2587.8	34.2	B3/5000		
BH (60°-80°)	527.6	7.0	B2/1000		G0/660
BVH (80°-90°)	19.0	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





REPORT NUMBER: P527026

CATALOG NUMBER: GALN-SA2A-735-U-5MQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4
2.5°	1486.0	1500.9	1494.4	1490.6	1493.4	1488.8	1481.3	1489.7	1487.8	1480.4	1477.6
5°	1482.3	1493.4	1486.0	1493.4	1486.0	1499.0	1495.3	1481.3	1498.1	1482.3	1487.8
7.5°	1479.5	1483.2	1485.1	1481.3	1478.5	1494.4	1486.0	1479.5	1470.1	1467.4	1472.0
10°	1472.9	1482.3	1468.3	1486.9	1490.6	1479.5	1479.5	1467.4	1459.9	1455.2	1471.1
12.5°	1489.7	1473.9	1472.0	1481.3	1484.1	1488.8	1475.7	1469.2	1455.2	1457.1	1454.3
15°	1470.1	1476.7	1477.6	1479.5	1482.3	1493.4	1481.3	1467.4	1461.8	1442.2	1444.1
17.5°	1477.6	1471.1	1477.6	1499.0	1495.3	1503.7	1490.6	1469.2	1456.2	1445.0	1459.9
20°	1490.6	1487.8	1490.6	1516.7	1521.4	1528.8	1517.7	1498.1	1472.9	1459.9	1467.4
22.5°	1504.6	1502.8	1504.6	1529.8	1556.8	1566.1	1554.9	1509.3	1496.2	1472.0	1463.6
25°	1529.8	1531.6	1551.2	1579.2	1596.9	1614.6	1594.1	1561.4	1519.5	1504.6	1486.9
27.5°	1585.7	1590.3	1601.5	1642.5	1673.2	1689.1	1660.2	1615.5	1589.4	1558.7	1554.0
30°	1654.6	1654.6	1674.2	1709.6	1751.5	1775.7	1740.3	1687.2	1655.5	1638.8	1628.5
32.5°	1745.9	1735.7	1743.1	1805.5	1870.8	1891.3	1843.7	1778.5	1728.2	1705.9	1698.4
35°	1824.2	1830.7	1847.5	1914.5	1987.2	2034.7	1960.2	1875.4	1824.2	1803.7	1800.0
37.5°	1925.7	1936.9	1945.3	2037.5	2125.1	2142.8	2071.1	2003.1	1940.6	1923.9	1914.5
40°	2069.2	2061.7	2064.5	2132.6	2211.7	2222.9	2152.1	2103.7	2052.4	2042.2	2042.2
42.5°	2187.5	2179.1	2188.5	2213.6	2274.2	2265.8	2226.6	2191.2	2169.8	2158.6	2169.8
45°	2259.3	2257.4	2274.2	2292.8	2335.7	2307.7	2277.0	2282.5	2262.1	2243.4	2242.5
47.5°	2337.5	2325.4	2345.9	2373.9	2341.2	2328.2	2326.3	2338.4	2331.9	2299.3	2289.1
50°	2375.7	2371.1	2403.7	2436.3	2418.6	2388.8	2395.3	2414.8	2331.0	2287.2	2262.1
52.5°	2478.2	2479.1	2541.5	2559.2	2551.8	2508.0	2522.0	2468.9	2370.1	2308.6	2311.4
55°	2639.4	2632.9	2702.7	2754.9	2763.3	2707.4	2640.3	2565.8	2441.9	2379.4	2360.8
57°	2550.9	2565.8	2643.1	2797.8	2876.0	2809.9	2663.6	2527.6	2362.7	2287.2	2253.7
57.5°	2432.5	2456.8	2590.9	2746.5	2828.5	2822.9	2634.7	2456.8	2309.6	2192.2	2195.0
60°	1782.3	1786.9	1908.0	2154.9	2411.1	2416.7	2187.5	1951.8	1787.8	1660.2	1677.9
62.5°	940.0	961.5	1009.9	1208.4	1430.1	1484.1	1345.3	1224.2	1082.6	985.7	995.0
65°	497.5	494.7	518.0	573.9	682.9	710.9	692.2	596.3	546.9	531.0	532.0
67.5°	404.3	409.0	406.2	409.0	416.4	428.6	425.8	429.5	432.3	436.9	436.0
70°	342.8	342.8	344.7	345.6	345.6	351.2	357.8	369.9	370.8	375.5	377.3
72.5°	270.2	268.3	271.1	277.6	278.6	283.2	292.5	300.0	302.8	302.8	297.2
75°	183.5	185.4	189.1	194.7	200.3	208.7	216.1	220.8	222.7	219.9	217.1
77.5°	103.4	105.3	108.1	116.5	123.0	130.4	138.8	143.5	148.1	149.1	143.5
80°	61.5	61.5	66.1	72.7	80.1	87.6	95.0	100.6	102.5	102.5	99.7
82.5°	37.3	38.2	41.9	48.4	55.0	59.6	66.1	70.8	74.5	73.6	71.7
85°	19.6	19.6	23.3	28.9	33.5	38.2	38.2	35.4	33.5	28.9	27.0
87.5°	6.5	5.6	7.5	7.5	6.5	7.5	7.5	8.4	8.4	8.4	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)