

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: P527030

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527030
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-SA2A-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 615mA 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: 7268 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

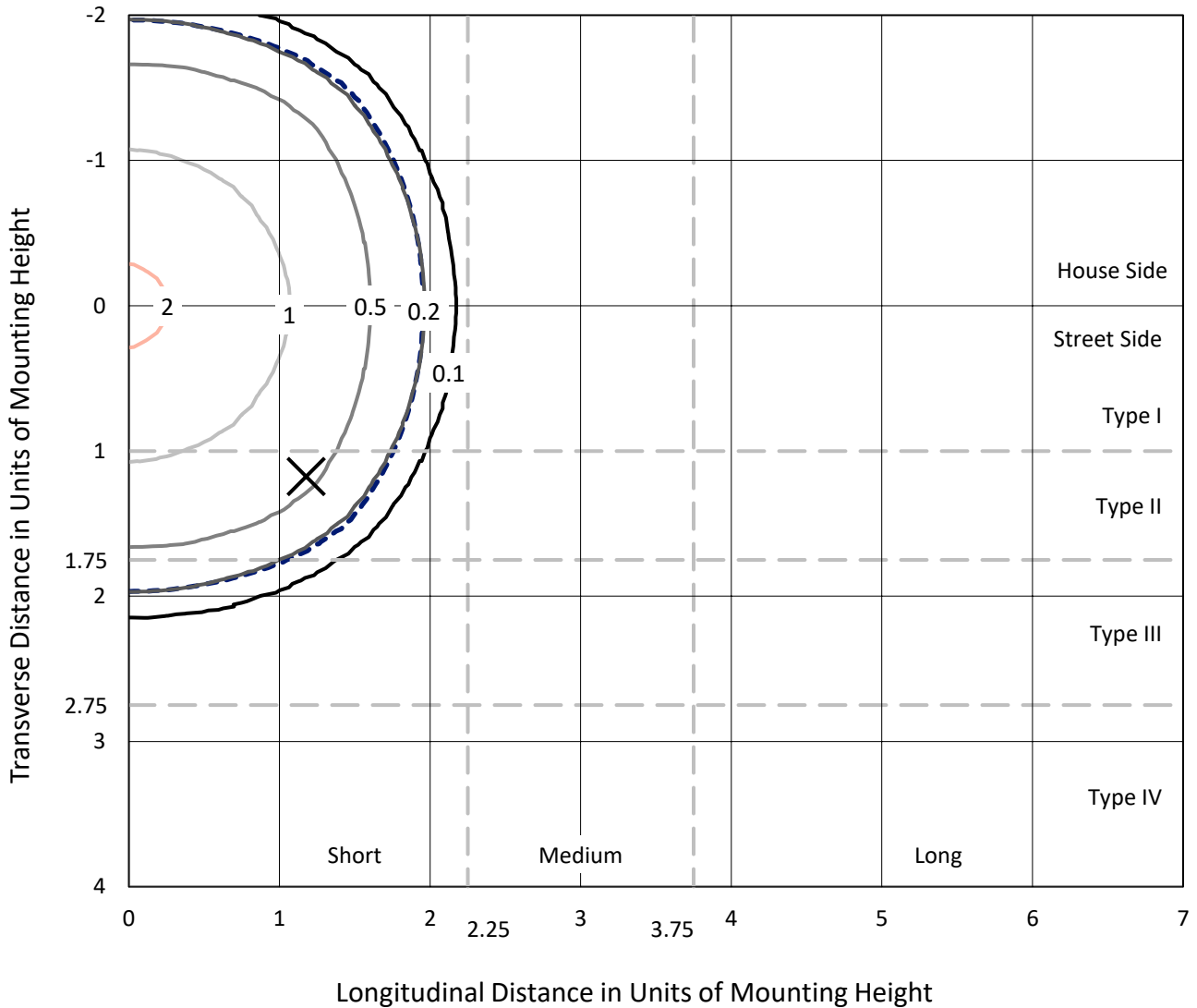
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527030
 CATALOG NUMBER: GALN-SA2A-735-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

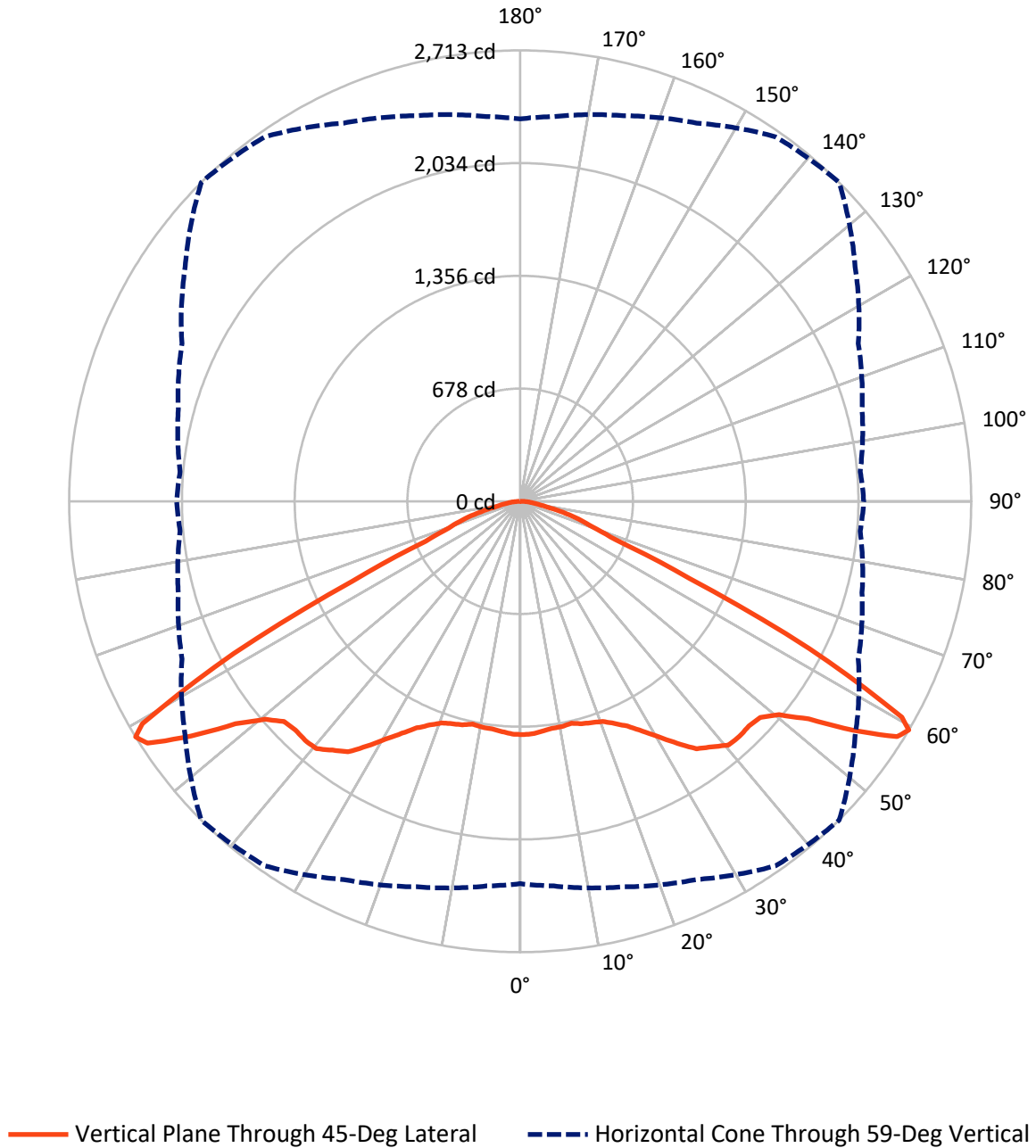
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

REPORT NUMBER: P527030
CATALOG NUMBER: GALN-SA2A-735-U-5WQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P527030
 CATALOG NUMBER: GALN-SA2A-735-U-5WQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3634.0	0.0	3634.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3634.0	0.0	3634.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7268.0	0.0	7268.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.3	1.8
10°-20°	393.5	5.4
20°-30°	687.2	9.5
30°-40°	1097.5	15.1
40°-50°	1495.0	20.6
50°-60°	2021.7	27.8
60°-70°	1108.7	15.3
70°-80°	283.6	3.9
80°-90°	48.4	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°	7268.0	100.0
0°-180°	7268.0	100.0

Coefficient of Utilization

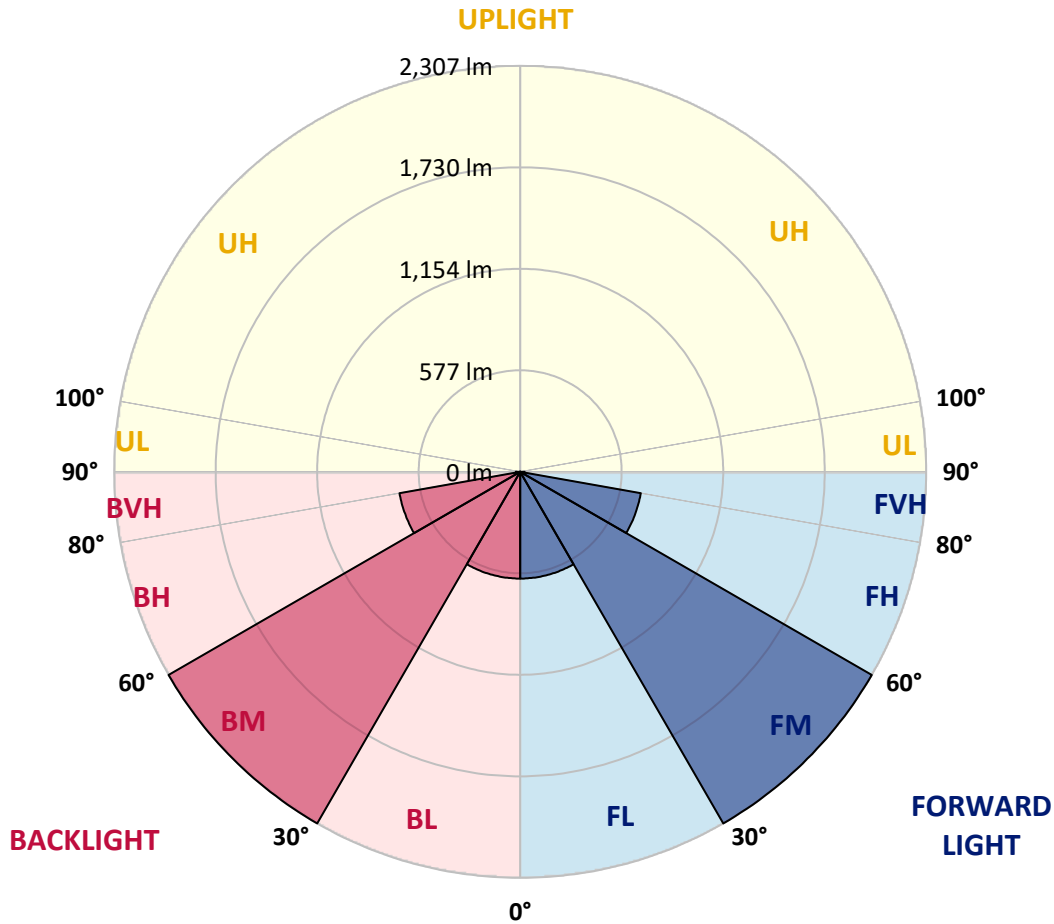


REPORT NUMBER: P527030
 CATALOG NUMBER: GALN-SA2A-735-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	606.5	8.3			
FM (30°-60°)	2307.1	31.7			
FH (60°-80°)	696.2	9.6			G1/1800
FVH (80°-90°)	24.2	0.3			G1/100
BL (0°-30°)	606.5	8.3	B2/1000		
BM (30°-60°)	2307.1	31.7	B2/2500		
BH (60°-80°)	696.2	9.6	B2/1000		G1/1800
BVH (80°-90°)	24.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type V Short





REPORT NUMBER: P527030

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1403.8	1403.8	1403.8	1403.8	1403.8	1403.8	1403.8	1403.8	1403.8	1403.8	1403.8
2.5°	1395.4	1405.7	1398.2	1404.8	1403.8	1401.0	1396.4	1393.6	1389.9	1395.4	1386.1
5°	1389.9	1398.2	1406.6	1395.4	1395.4	1389.9	1387.1	1381.5	1381.5	1380.5	1379.6
7.5°	1399.2	1390.8	1387.1	1388.9	1390.8	1378.7	1387.1	1375.9	1366.6	1373.1	1380.5
10°	1390.8	1394.5	1380.5	1387.1	1376.8	1378.7	1373.1	1380.5	1370.3	1370.3	1370.3
12.5°	1399.2	1388.9	1393.6	1388.9	1386.1	1370.3	1377.7	1369.4	1368.4	1377.7	1369.4
15°	1415.9	1399.2	1395.4	1386.1	1388.9	1388.9	1381.5	1382.4	1372.2	1377.7	1379.6
17.5°	1410.4	1401.0	1398.2	1387.1	1396.4	1399.2	1385.2	1375.9	1382.4	1381.5	1380.5
20°	1415.0	1418.7	1415.9	1417.8	1421.5	1414.1	1401.0	1388.0	1379.6	1391.7	1390.8
22.5°	1444.8	1441.1	1439.2	1437.4	1443.9	1451.3	1433.6	1413.1	1413.1	1421.5	1425.3
25°	1469.0	1468.1	1467.2	1475.6	1497.9	1497.9	1475.6	1449.5	1443.0	1448.5	1443.9
27.5°	1504.4	1514.7	1511.0	1525.9	1558.5	1565.9	1536.1	1505.4	1487.7	1481.1	1489.5
30°	1585.5	1573.4	1576.2	1592.0	1620.9	1645.1	1599.5	1566.8	1542.6	1541.7	1545.4
32.5°	1639.5	1648.8	1657.2	1672.1	1717.8	1736.4	1681.4	1628.3	1613.4	1605.0	1607.8
35°	1747.6	1739.2	1737.3	1752.2	1797.9	1828.6	1759.7	1713.1	1693.5	1712.2	1712.2
37.5°	1850.0	1826.7	1809.0	1828.6	1870.5	1874.3	1815.6	1790.4	1780.2	1801.6	1800.7
40°	1898.5	1896.6	1855.6	1866.8	1922.7	1928.3	1873.3	1843.5	1841.7	1869.6	1897.5
42.5°	1948.8	1931.1	1890.1	1897.5	1932.0	1933.9	1881.7	1873.3	1893.8	1920.8	1922.7
45°	1957.2	1942.3	1916.2	1897.5	1922.7	1928.3	1897.5	1903.1	1905.0	1937.6	1937.6
47.5°	1973.9	1972.1	1957.2	1943.2	1947.8	1943.2	1923.6	1932.0	1960.0	1975.8	1968.3
50°	2020.5	2000.9	2015.9	2003.7	2004.7	2017.7	2000.0	2008.4	2002.8	1988.8	1979.5
52.5°	2123.0	2113.7	2126.7	2135.1	2144.4	2174.2	2153.7	2109.0	2067.1	2029.8	2028.9
55°	2273.0	2279.5	2304.6	2347.5	2383.8	2431.3	2332.6	2225.4	2158.4	2099.7	2103.4
57.5°	2414.6	2409.9	2444.4	2542.2	2648.4	2672.6	2478.8	2326.1	2217.1	2179.8	2164.0
59°	2300.9	2323.3	2401.5	2510.5	2677.2	2712.6	2459.3	2244.1	2128.6	2053.1	2066.2
60°	2122.0	2130.4	2200.3	2352.1	2577.6	2638.1	2327.9	2117.4	1963.7	1919.9	1939.5
62.5°	1499.8	1493.3	1543.6	1667.5	1869.6	1951.6	1730.8	1582.7	1485.8	1437.4	1448.5
65°	797.4	827.2	847.7	925.0	1032.1	1118.8	1027.5	963.2	909.2	869.1	868.2
67.5°	538.4	534.7	539.4	557.1	593.4	617.6	615.7	583.1	578.5	571.0	579.4
70°	453.7	451.8	443.4	443.4	450.9	456.5	463.0	466.7	474.2	483.5	482.5
72.5°	368.0	363.3	357.7	354.9	364.2	367.0	375.4	379.1	385.7	384.7	393.1
75°	243.1	243.1	249.7	257.1	259.9	265.5	266.4	277.6	277.6	279.5	272.0
77.5°	136.0	132.3	136.9	144.4	150.9	161.2	171.4	179.8	184.4	182.6	182.6
80°	79.2	79.2	83.8	92.2	100.6	109.9	117.4	123.9	128.6	126.7	123.0
82.5°	49.4	49.4	54.0	62.4	68.9	74.5	84.8	93.2	98.7	96.9	92.2
85°	25.2	25.2	30.7	36.3	44.7	48.4	47.5	43.8	42.9	38.2	38.2
87.5°	6.5	6.5	9.3	10.2	8.4	9.3	9.3	9.3	9.3	9.3	10.2
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)