

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: P527034

Luminaire Tested: **GALN-SA2A-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527034
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-SA2A-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 615mA 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: 7507 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

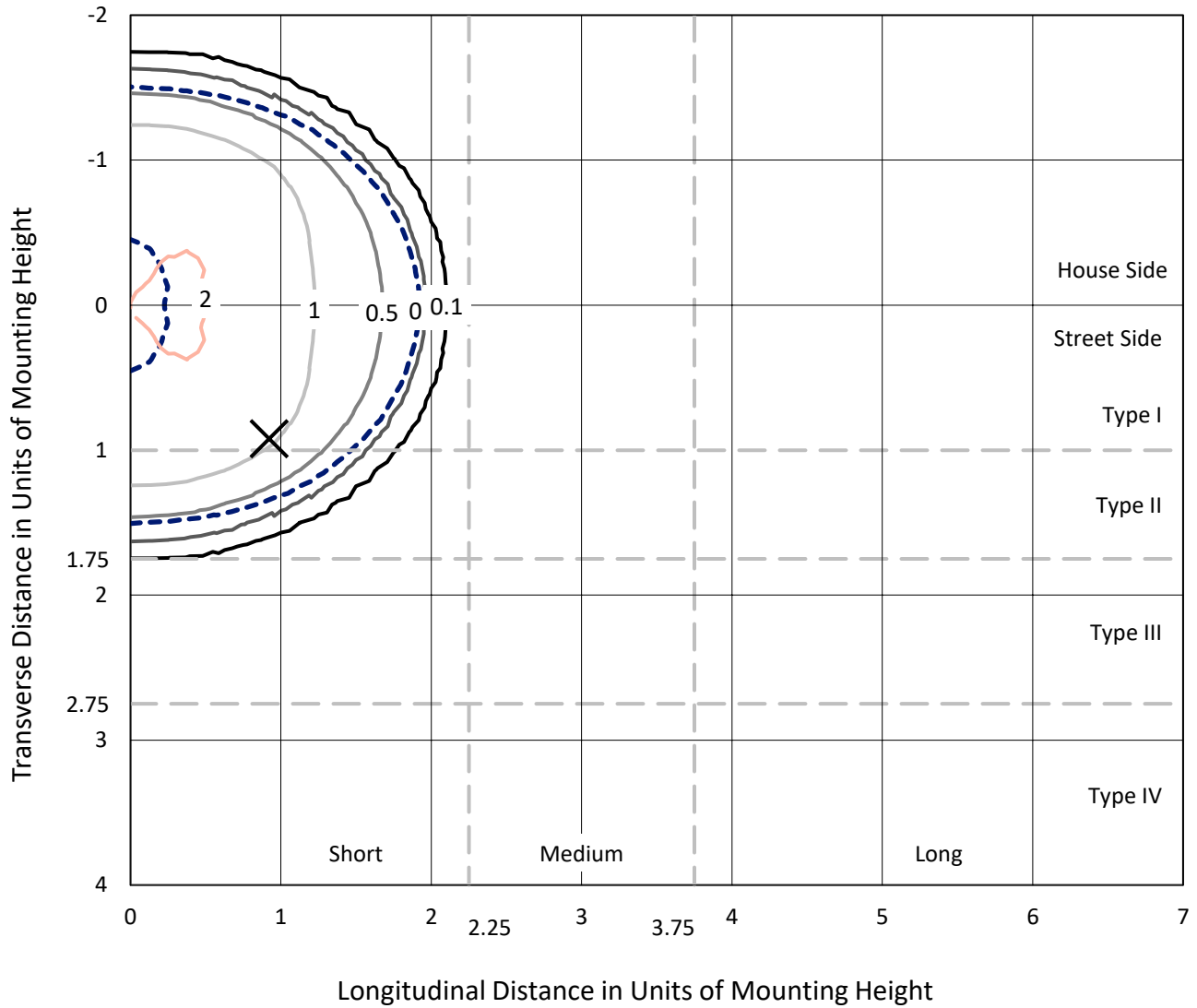
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527034
 CATALOG NUMBER: GALN-SA2A-735-U-RW-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

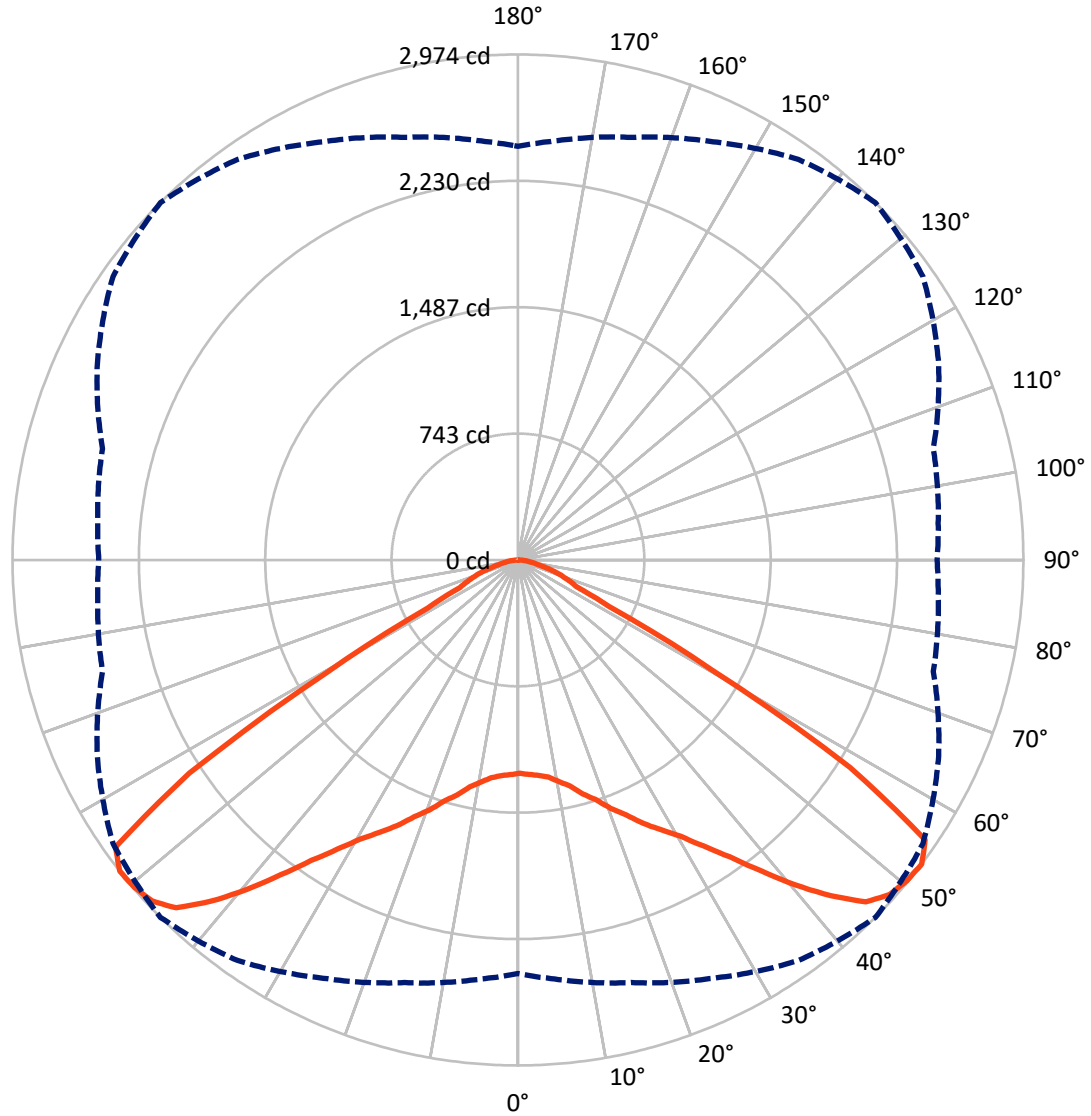
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P527034
CATALOG NUMBER: GALN-SA2A-735-U-RW-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P527034
 CATALOG NUMBER: GALN-SA2A-735-U-RW-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3753.5	0.0	3753.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3753.5	0.0	3753.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7507.0	0.0	7507.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	1.6
10°-20°	405.1	5.4
20°-30°	771.3	10.3
30°-40°	1324.4	17.6
40°-50°	2035.6	27.1
50°-60°	2067.1	27.5
60°-70°	576.1	7.7
70°-80°	169.9	2.3
80°-90°	34.2	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°	7507.0	100.0
0°-180°	7507.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527034

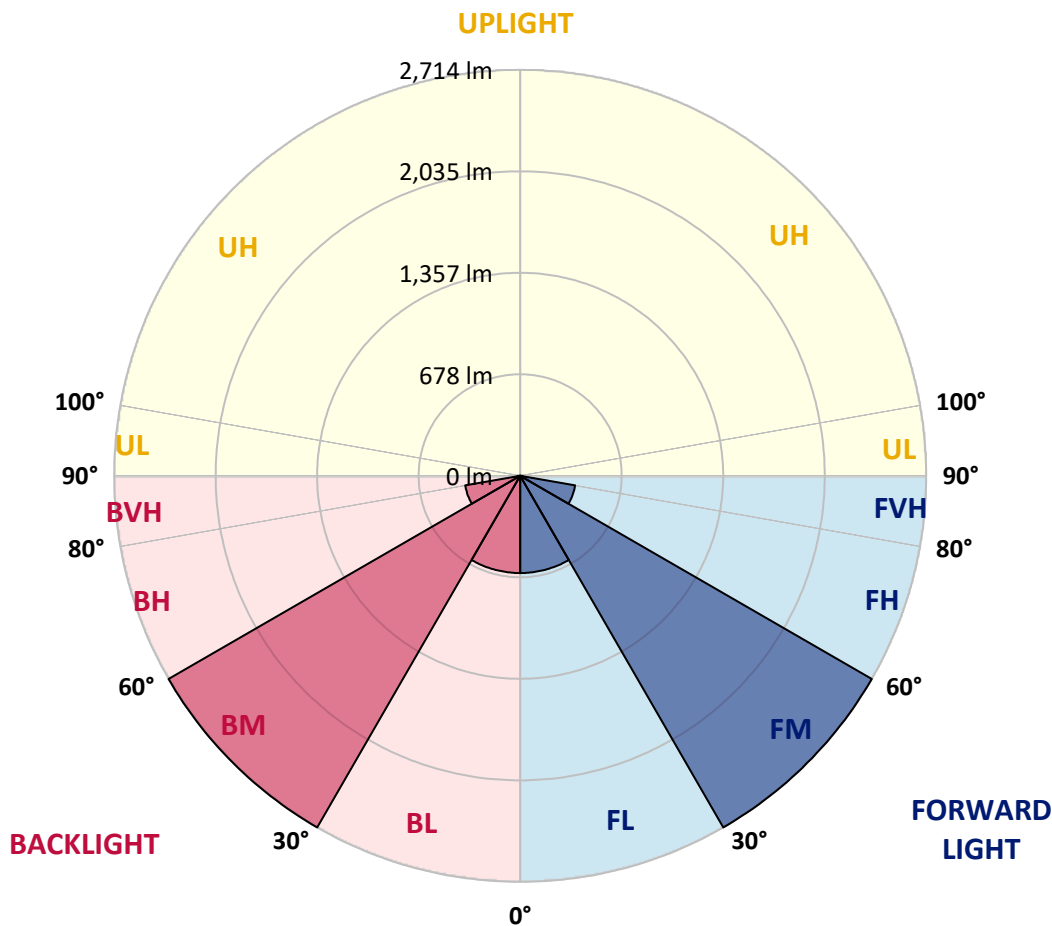
CATALOG NUMBER: GALN-SA2A-735-U-RW-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	649.9	8.7			
FM (30°-60°)	2713.5	36.1			
FH (60°-80°)	373.0	5.0			G0/660
FVH (80°-90°)	17.1	0.2			G1/100
BL (0°-30°)	649.9	8.7	B2/1000		
BM (30°-60°)	2713.5	36.1	B3/5000		
BH (60°-80°)	373.0	5.0	B1/500		G0/660
BVH (80°-90°)	17.1	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





REPORT NUMBER: P527034
 CATALOG NUMBER: GALN-SA2A-735-U-RW-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9
2.5°	1257.7	1244.6	1249.3	1252.1	1264.2	1263.3	1260.5	1264.2	1267.9	1268.9	1267.0
5°	1256.8	1247.4	1251.2	1254.0	1266.1	1272.6	1270.7	1286.6	1297.7	1295.0	1308.9
7.5°	1249.3	1254.9	1250.2	1264.2	1274.5	1290.3	1307.1	1322.0	1335.9	1351.8	1354.6
10°	1266.1	1266.1	1274.5	1285.6	1312.7	1324.8	1349.0	1370.4	1397.4	1416.1	1408.6
12.5°	1283.8	1286.6	1286.6	1315.4	1337.8	1364.8	1387.2	1416.1	1454.3	1476.6	1487.8
15°	1301.5	1303.3	1312.7	1351.8	1385.3	1428.2	1448.7	1474.8	1496.2	1538.1	1539.0
17.5°	1317.3	1327.6	1355.5	1399.3	1441.2	1482.2	1514.8	1541.8	1560.5	1577.2	1573.5
20°	1376.9	1384.4	1413.3	1457.1	1519.5	1559.5	1570.7	1575.4	1587.5	1621.0	1610.8
22.5°	1434.7	1437.5	1464.5	1531.6	1575.4	1628.5	1640.6	1637.8	1642.4	1650.8	1665.7
25°	1494.3	1499.0	1536.2	1593.1	1654.6	1717.9	1728.2	1706.7	1700.2	1709.5	1710.5
27.5°	1570.7	1571.6	1619.2	1668.5	1738.4	1798.0	1813.9	1797.1	1766.4	1773.8	1785.9
30°	1667.6	1661.1	1708.6	1779.4	1853.0	1886.5	1913.6	1905.2	1871.6	1865.1	1854.9
32.5°	1779.4	1781.3	1824.1	1901.4	1949.9	2005.8	2034.7	2020.7	1999.3	1988.1	1994.6
35°	1936.8	1945.2	1974.1	2038.4	2116.6	2144.6	2190.2	2160.4	2104.5	2118.5	2130.6
37.5°	2066.3	2090.6	2144.6	2221.0	2267.6	2318.8	2335.6	2295.5	2254.5	2237.8	2277.8
40°	2264.8	2257.3	2316.9	2393.3	2462.3	2513.5	2492.1	2452.0	2350.5	2351.4	2362.6
42.5°	2435.3	2439.0	2484.6	2575.9	2670.0	2701.7	2633.7	2535.9	2423.1	2411.0	2435.3
45°	2578.7	2593.6	2619.7	2741.8	2834.0	2868.5	2742.7	2627.2	2476.2	2425.9	2466.0
47.5°	2630.0	2654.2	2711.0	2822.8	2914.1	2942.1	2841.4	2675.6	2525.6	2443.6	2465.1
50°	2637.4	2629.0	2722.2	2824.7	2904.8	2965.4	2876.8	2711.0	2513.5	2470.7	2464.1
52.5°	2433.4	2474.4	2574.1	2714.7	2876.8	2973.7	2908.5	2730.6	2530.3	2481.8	2466.0
55°	1969.4	1921.0	2102.7	2339.3	2637.4	2906.7	2897.3	2740.8	2540.5	2500.5	2479.0
57.5°	1099.3	1113.3	1215.8	1472.9	1857.7	2304.8	2575.9	2632.8	2535.9	2512.6	2523.8
60°	508.7	513.3	557.1	677.3	915.8	1307.1	1663.9	2026.3	2193.0	2226.6	2226.6
62.5°	379.2	377.3	388.5	409.9	460.2	600.9	802.1	1090.0	1319.2	1479.4	1521.3
65°	342.8	341.9	347.5	354.9	358.7	378.2	423.0	511.5	586.0	628.8	621.4
67.5°	300.0	299.1	300.9	305.6	312.1	322.3	333.5	352.2	378.2	376.4	371.7
70°	242.2	242.2	245.0	248.7	256.2	268.3	281.3	294.4	316.8	321.4	320.5
72.5°	178.9	176.1	181.7	189.1	196.6	211.5	225.5	237.6	253.4	258.1	256.2
75°	113.7	115.5	119.2	127.6	140.7	150.9	165.8	176.1	186.3	190.1	191.0
77.5°	63.4	65.2	71.7	82.0	95.0	106.2	119.2	127.6	134.2	135.1	136.0
80°	38.2	39.1	45.6	55.0	66.1	78.3	88.5	96.9	102.5	99.7	98.8
82.5°	23.3	24.2	29.8	38.2	47.5	56.8	68.0	75.5	81.1	77.3	73.6
85°	12.1	13.0	17.7	23.3	30.7	35.4	35.4	31.7	30.7	28.9	27.9
87.5°	3.7	3.7	4.7	5.6	4.7	5.6	6.5	7.5	7.5	8.4	7.5
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)