

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: P526982

Luminaire Tested: **GALN-SA2A-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526982
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-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 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: 6739 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

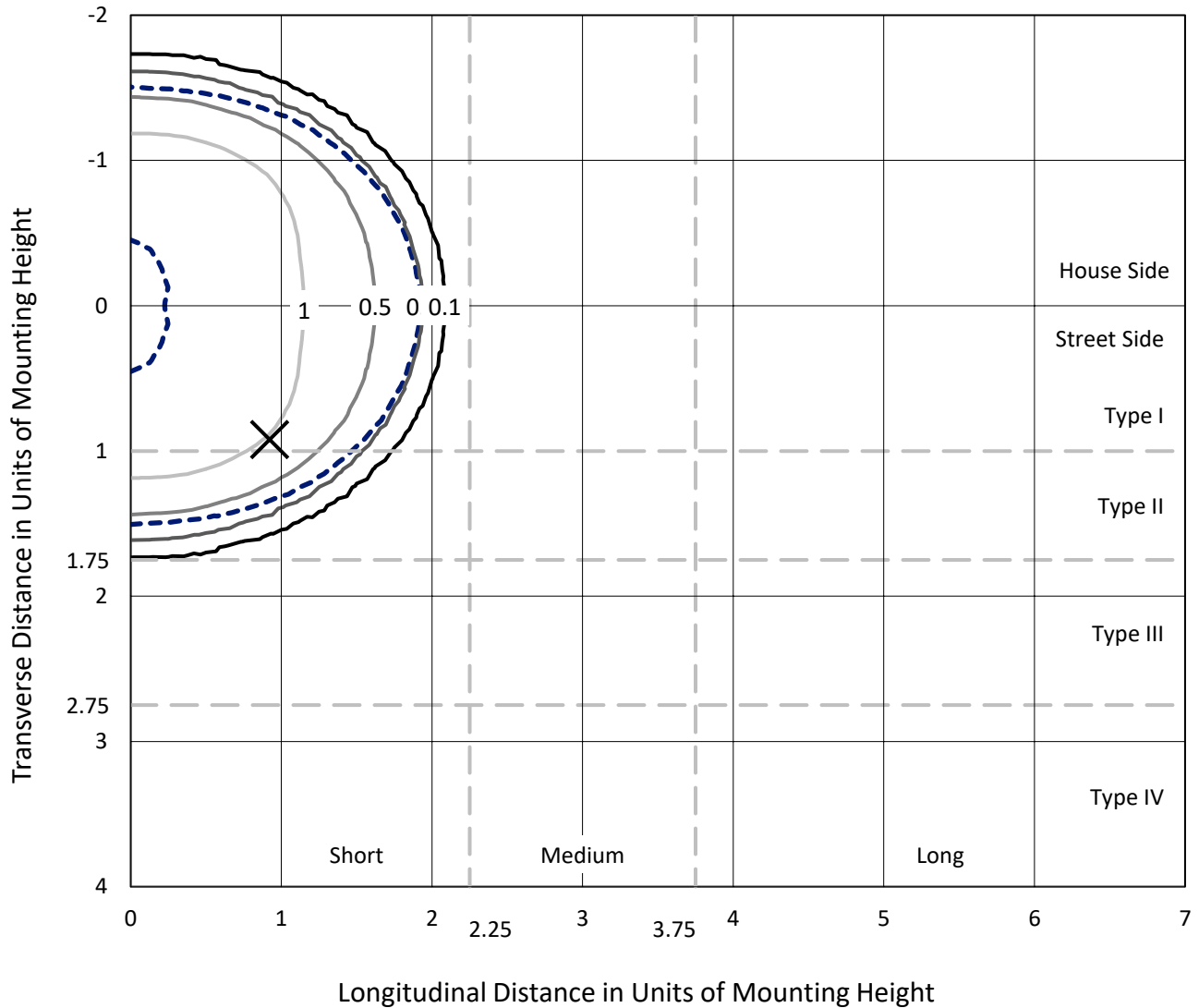
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526982
 CATALOG NUMBER: GALN-SA2A-727-U-RW-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

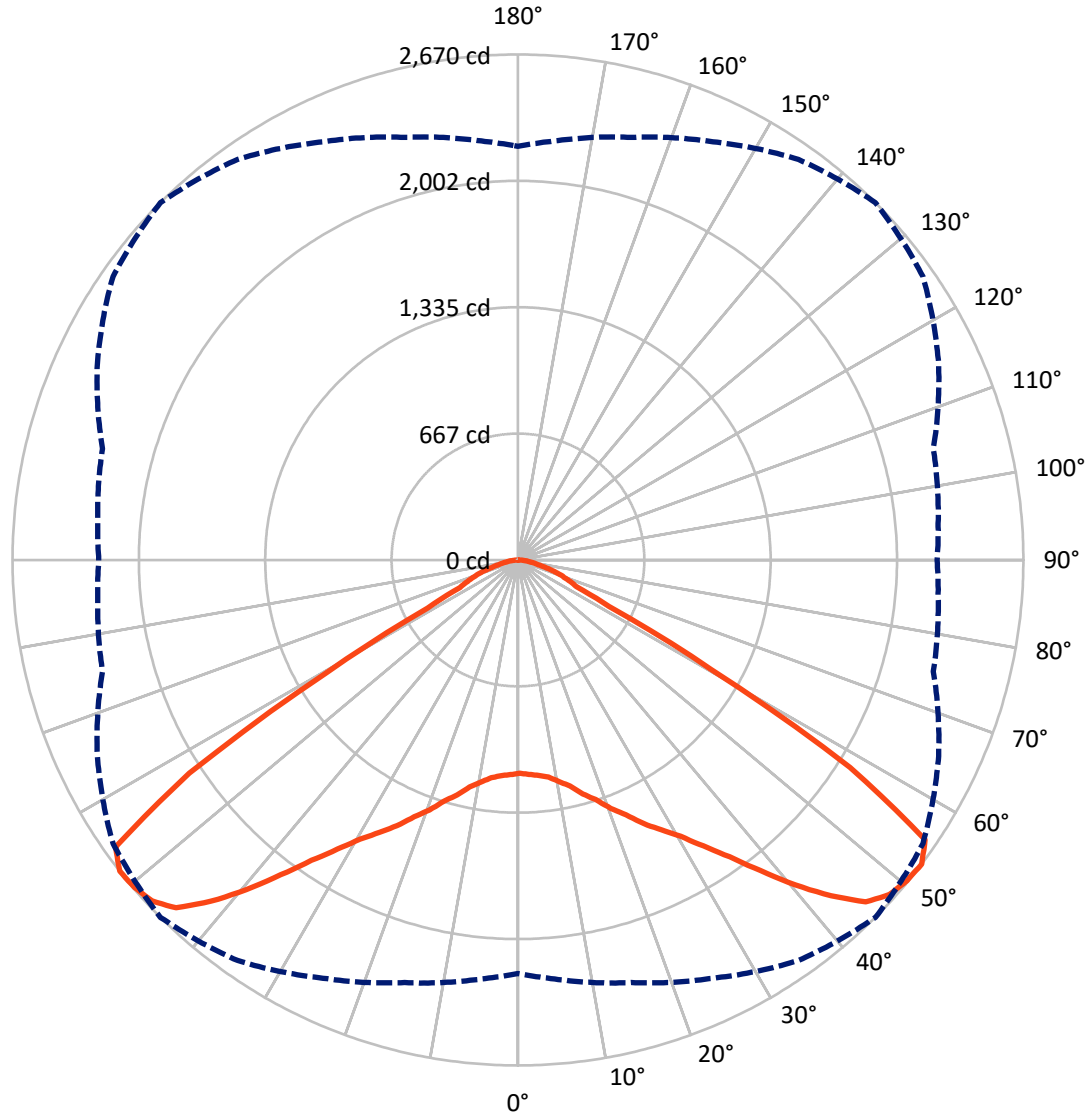
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

REPORT NUMBER: P526982
CATALOG NUMBER: GALN-SA2A-727-U-RW-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P526982

CATALOG NUMBER: GALN-SA2A-727-U-RW-GRSWH

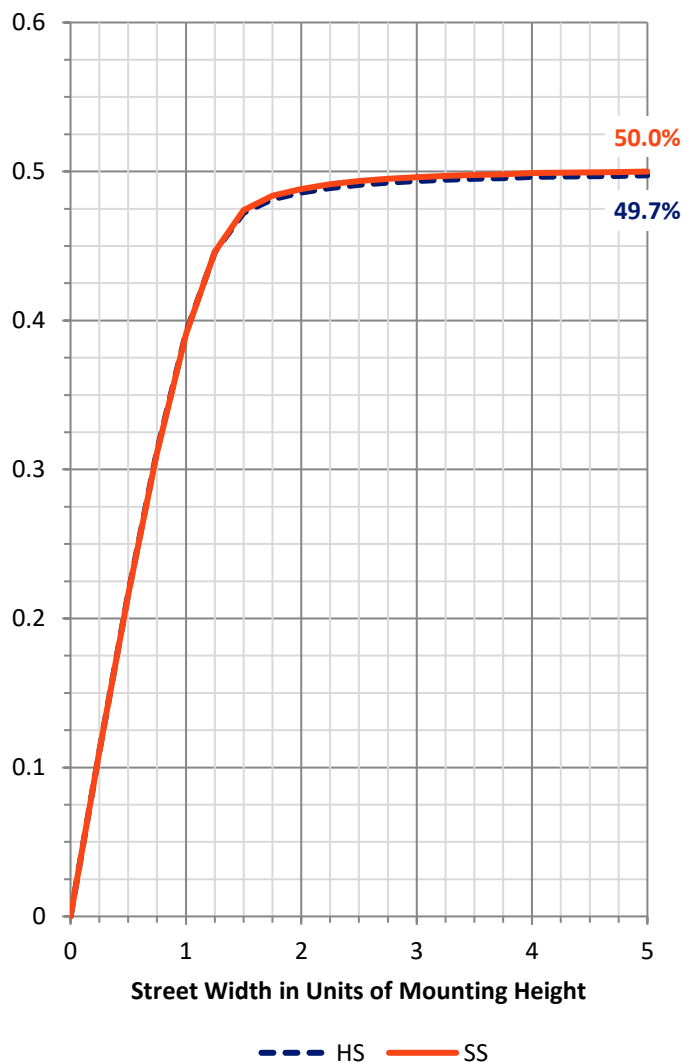
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3369.5	0.0	3369.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3369.5	0.0	3369.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6739.0	0.0	6739.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	1.6
10°-20°	363.7	5.4
20°-30°	692.4	10.3
30°-40°	1188.9	17.6
40°-50°	1827.3	27.1
50°-60°	1855.6	27.5
60°-70°	517.1	7.7
70°-80°	152.6	2.3
80°-90°	30.7	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°	6739.0	100.0
0°-180°	6739.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526982

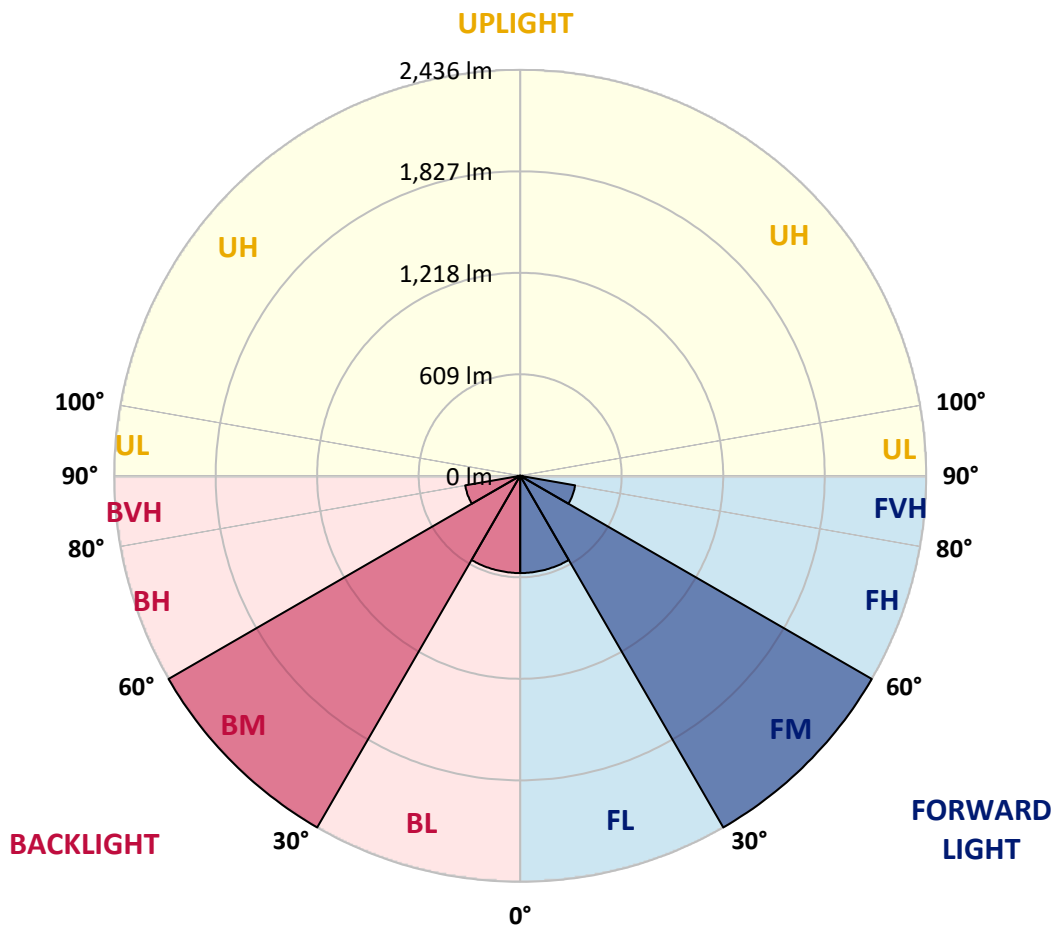
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	583.4	8.7			
FM (30°-60°)	2435.9	36.1			
FH (60°-80°)	334.8	5.0			G0/660
FVH (80°-90°)	15.4	0.2			G1/100
BL (0°-30°)	583.4	8.7	B2/1000		
BM (30°-60°)	2435.9	36.1	B2/2500		
BH (60°-80°)	334.8	5.0	B1/500		G0/660
BVH (80°-90°)	15.4	0.2			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: P526982

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1126.5	1126.5	1126.5	1126.5	1126.5	1126.5	1126.5	1126.5	1126.5	1126.5	1126.5
2.5°	1129.0	1117.3	1121.5	1124.0	1134.9	1134.0	1131.5	1134.9	1138.2	1139.1	1137.4
5°	1128.2	1119.8	1123.2	1125.7	1136.5	1142.4	1140.7	1154.9	1165.0	1162.5	1175.0
7.5°	1121.5	1126.5	1122.3	1134.9	1144.1	1158.3	1173.3	1186.7	1199.3	1213.5	1216.0
10°	1136.5	1136.5	1144.1	1154.1	1178.4	1189.2	1211.0	1230.2	1254.5	1271.2	1264.5
12.5°	1152.4	1154.9	1154.9	1180.9	1200.9	1225.2	1245.3	1271.2	1305.5	1325.6	1335.6
15°	1168.3	1170.0	1178.4	1213.5	1243.6	1282.1	1300.5	1323.9	1343.1	1380.8	1381.6
17.5°	1182.5	1191.7	1216.8	1256.1	1293.8	1330.6	1359.8	1384.1	1400.8	1415.9	1412.5
20°	1236.1	1242.8	1268.7	1308.0	1364.0	1400.0	1410.0	1414.2	1425.1	1455.2	1446.0
22.5°	1287.9	1290.4	1314.7	1374.9	1414.2	1461.9	1472.7	1470.2	1474.4	1481.9	1495.3
25°	1341.4	1345.6	1379.1	1430.1	1485.3	1542.2	1551.4	1532.1	1526.3	1534.6	1535.5
27.5°	1410.0	1410.9	1453.5	1497.8	1560.6	1614.1	1628.3	1613.2	1585.6	1592.3	1603.2
30°	1497.0	1491.1	1533.8	1597.4	1663.4	1693.5	1717.8	1710.3	1680.2	1674.3	1665.1
32.5°	1597.4	1599.0	1637.5	1706.9	1750.4	1800.6	1826.5	1814.0	1794.7	1784.7	1790.5
35°	1738.7	1746.2	1772.1	1829.9	1900.1	1925.2	1966.2	1939.4	1889.2	1901.8	1912.6
37.5°	1854.9	1876.7	1925.2	1993.8	2035.6	2081.6	2096.6	2060.7	2023.9	2008.8	2044.8
40°	2033.1	2026.4	2079.9	2148.5	2210.4	2256.4	2237.1	2201.2	2110.0	2110.9	2120.9
42.5°	2186.1	2189.5	2230.4	2312.4	2396.9	2425.3	2364.3	2276.4	2175.2	2164.4	2186.1
45°	2314.9	2328.3	2351.7	2461.3	2544.1	2575.0	2462.1	2358.4	2222.9	2177.8	2213.7
47.5°	2360.9	2382.7	2433.7	2534.0	2616.0	2641.1	2550.8	2401.9	2267.2	2193.6	2212.9
50°	2367.6	2360.1	2443.7	2535.7	2607.6	2662.0	2582.5	2433.7	2256.4	2217.9	2212.0
52.5°	2184.4	2221.2	2310.7	2437.0	2582.5	2669.5	2611.0	2451.2	2271.4	2227.9	2213.7
55°	1768.0	1724.5	1887.6	2100.0	2367.6	2609.3	2600.9	2460.4	2280.6	2244.7	2225.4
57.5°	986.8	999.4	1091.4	1322.2	1667.6	2069.0	2312.4	2363.4	2276.4	2255.5	2265.6
60°	456.6	460.8	500.1	608.0	822.1	1173.3	1493.7	1819.0	1968.7	1998.8	1998.8
62.5°	340.4	338.7	348.7	368.0	413.1	539.4	720.1	978.5	1184.2	1328.1	1365.7
65°	307.8	306.9	311.9	318.6	322.0	339.5	379.7	459.1	526.0	564.5	557.8
67.5°	269.3	268.5	270.1	274.3	280.2	289.4	299.4	316.1	339.5	337.9	333.7
70°	217.4	217.4	220.0	223.3	230.0	240.9	252.6	264.3	284.3	288.5	287.7
72.5°	160.6	158.1	163.1	169.8	176.5	189.8	202.4	213.3	227.5	231.7	230.0
75°	102.0	103.7	107.0	114.6	126.3	135.5	148.9	158.1	167.3	170.6	171.4
77.5°	56.9	58.5	64.4	73.6	85.3	95.3	107.0	114.6	120.4	121.3	122.1
80°	34.3	35.1	41.0	49.3	59.4	70.3	79.4	87.0	92.0	89.5	88.6
82.5°	20.9	21.7	26.8	34.3	42.7	51.0	61.1	67.7	72.8	69.4	66.1
85°	10.9	11.7	15.9	20.9	27.6	31.8	31.8	28.4	27.6	25.9	25.1
87.5°	3.3	3.3	4.2	5.0	4.2	5.0	5.9	6.7	6.7	7.5	6.7
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)