

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: P526974

Luminaire Tested: **GALN-SA2A-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526974
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-727-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 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: 6788 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

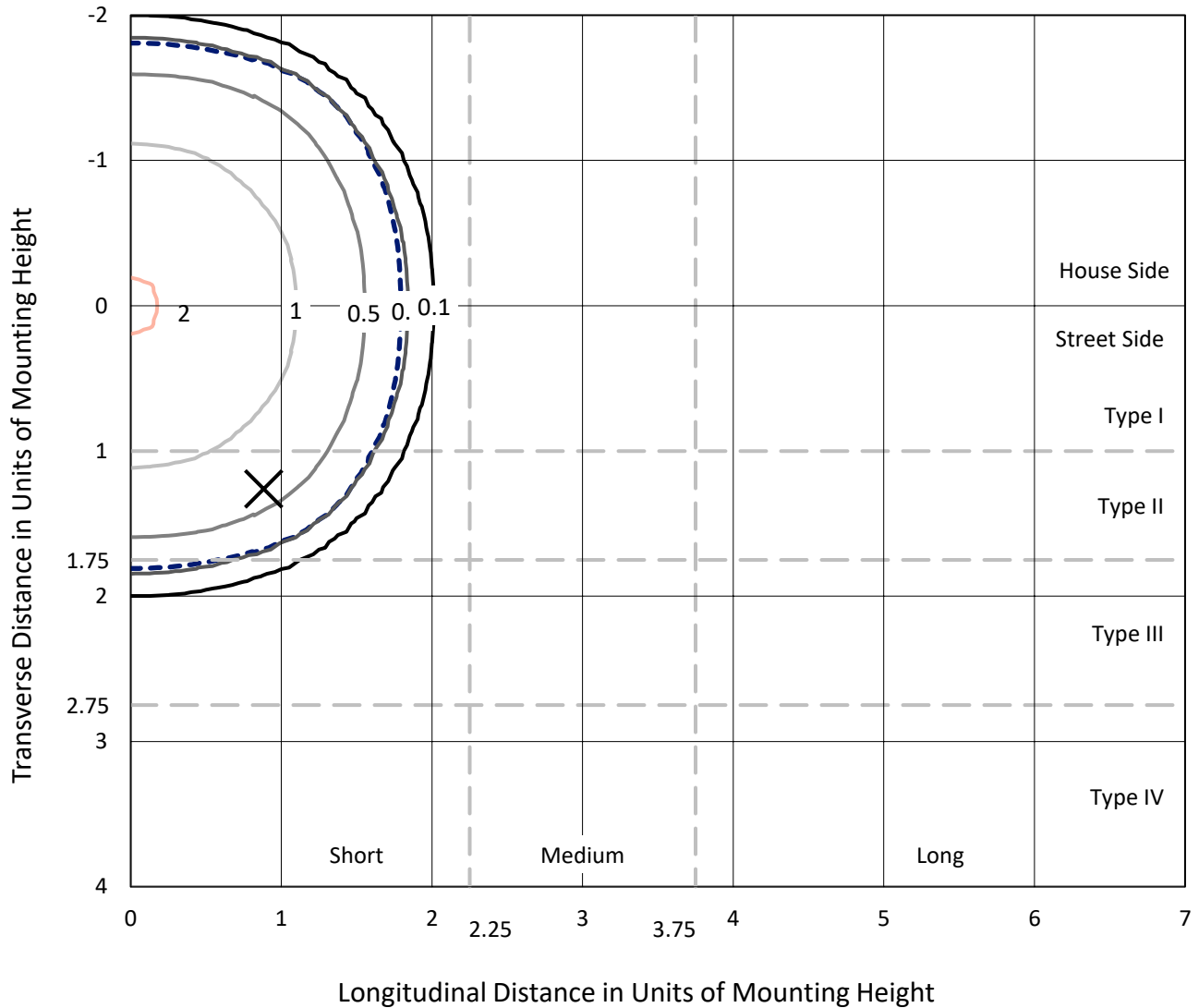
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

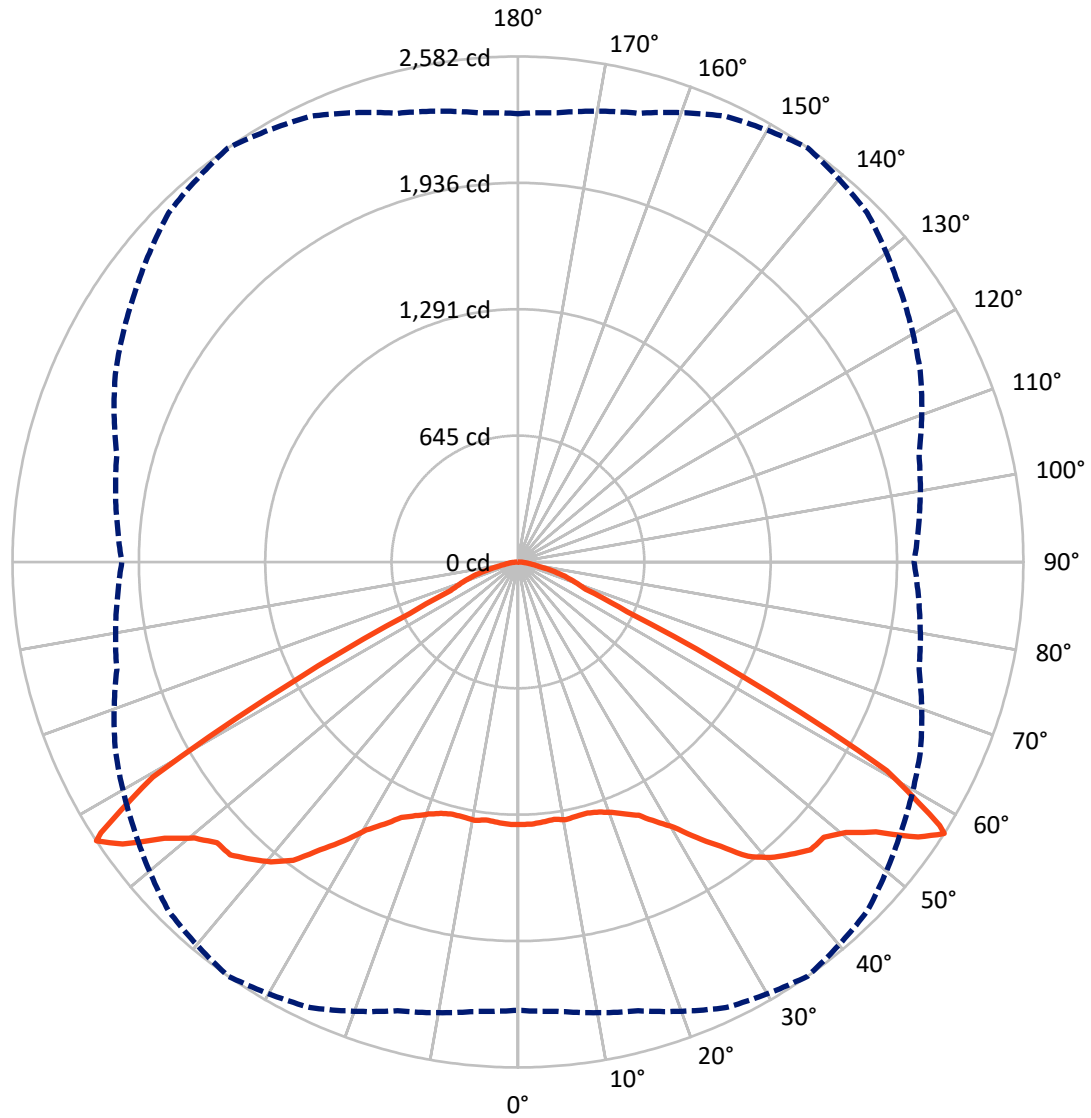
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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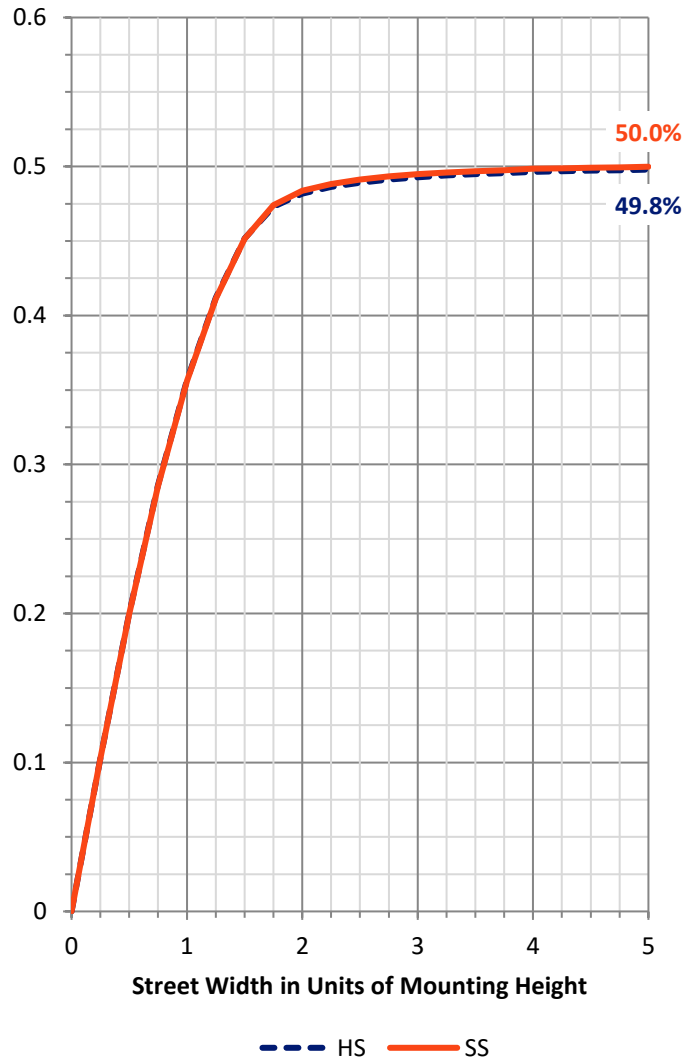
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3394.0	0.0	3394.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3394.0	0.0	3394.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6788.0	0.0	6788.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	1.9
10°-20°	376.4	5.5
20°-30°	657.4	9.7
30°-40°	1077.2	15.9
40°-50°	1579.4	23.3
50°-60°	1989.3	29.3
60°-70°	748.2	11.0
70°-80°	198.9	2.9
80°-90°	34.1	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°	6788.0	100.0
0°-180°	6788.0	100.0

Coefficient of Utilization

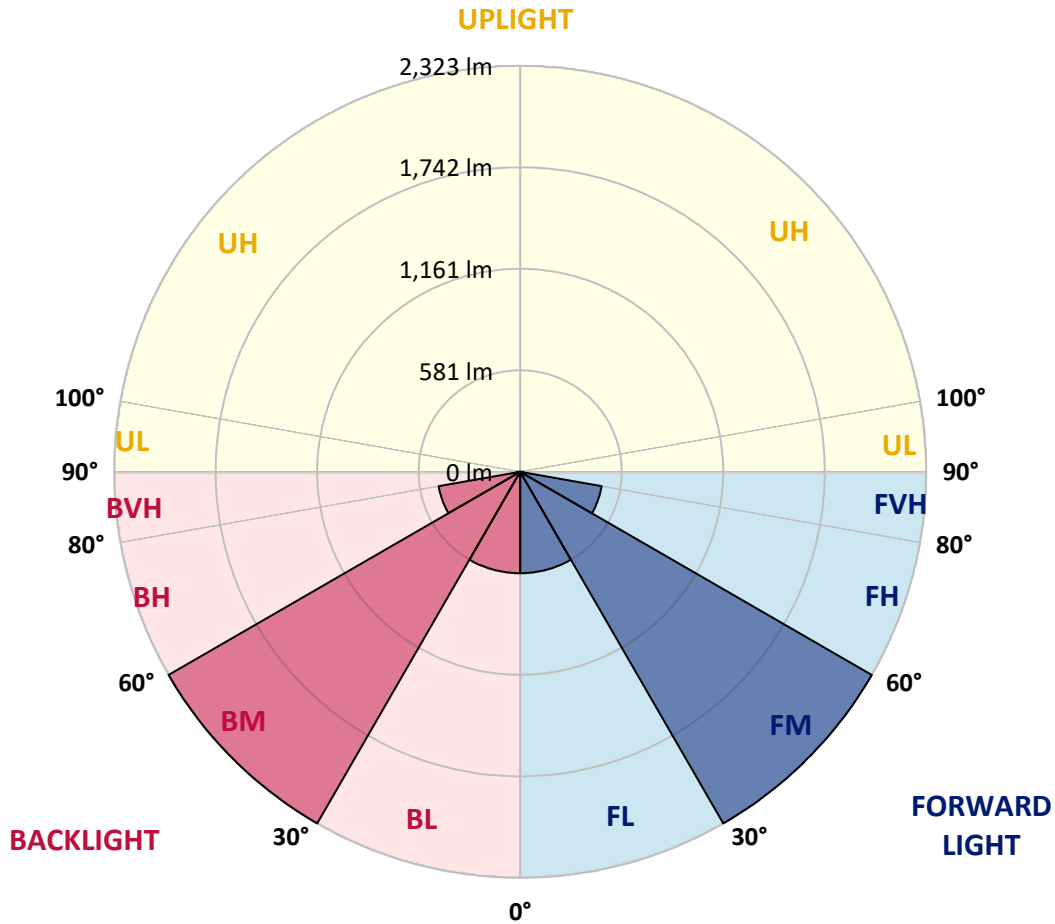


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	580.4	8.6			
FM (30°-60°)	2322.9	34.2			
FH (60°-80°)	473.6	7.0			G0/660
FVH (80°-90°)	17.1	0.3			G1/100
BL (0°-30°)	580.4	8.6	B2/1000		
BM (30°-60°)	2322.9	34.2	B2/2500		
BH (60°-80°)	473.6	7.0	B1/500		G0/660
BVH (80°-90°)	17.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6
2.5°	1333.9	1347.3	1341.4	1338.1	1340.6	1336.4	1329.7	1337.2	1335.6	1328.9	1326.4
5°	1330.5	1340.6	1333.9	1340.6	1333.9	1345.6	1342.3	1329.7	1344.8	1330.5	1335.6
7.5°	1328.0	1331.4	1333.1	1329.7	1327.2	1341.4	1333.9	1328.0	1319.7	1317.2	1321.3
10°	1322.2	1330.5	1318.0	1334.7	1338.1	1328.0	1328.0	1317.2	1310.5	1306.3	1320.5
12.5°	1337.2	1323.0	1321.3	1329.7	1332.2	1336.4	1324.7	1318.8	1306.3	1308.0	1305.5
15°	1319.7	1325.5	1326.4	1328.0	1330.5	1340.6	1329.7	1317.2	1312.1	1294.6	1296.3
17.5°	1326.4	1320.5	1326.4	1345.6	1342.3	1349.8	1338.1	1318.8	1307.1	1297.1	1310.5
20°	1338.1	1335.6	1338.1	1361.5	1365.7	1372.4	1362.3	1344.8	1322.2	1310.5	1317.2
22.5°	1350.6	1348.9	1350.6	1373.2	1397.4	1405.8	1395.8	1354.8	1343.1	1321.3	1313.8
25°	1373.2	1374.9	1392.4	1417.5	1433.4	1449.3	1430.9	1401.6	1364.0	1350.6	1334.7
27.5°	1423.4	1427.6	1437.6	1474.4	1502.0	1516.2	1490.3	1450.1	1426.7	1399.1	1394.9
30°	1485.3	1485.3	1502.8	1534.6	1572.2	1594.0	1562.2	1514.5	1486.1	1471.0	1461.8
32.5°	1567.2	1558.0	1564.7	1620.7	1679.3	1697.7	1655.0	1596.5	1551.3	1531.3	1524.6
35°	1637.5	1643.3	1658.4	1718.6	1783.8	1826.5	1759.6	1683.5	1637.5	1619.1	1615.7
37.5°	1728.6	1738.7	1746.2	1829.0	1907.6	1923.5	1859.1	1798.0	1742.0	1726.9	1718.6
40°	1857.4	1850.7	1853.2	1914.3	1985.4	1995.4	1931.8	1888.4	1842.4	1833.2	1833.2
42.5°	1963.6	1956.1	1964.5	1987.0	2041.4	2033.9	1998.7	1967.0	1947.7	1937.7	1947.7
45°	2028.0	2026.3	2041.4	2058.1	2096.6	2071.5	2043.9	2048.9	2030.5	2013.8	2013.0
47.5°	2098.3	2087.4	2105.8	2130.9	2101.6	2089.9	2088.2	2099.1	2093.2	2064.0	2054.8
50°	2132.6	2128.4	2157.6	2186.9	2171.0	2144.3	2150.1	2167.7	2092.4	2053.1	2030.5
52.5°	2224.5	2225.4	2281.4	2297.3	2290.6	2251.3	2263.8	2216.2	2127.5	2072.3	2074.8
55°	2369.2	2363.4	2426.1	2472.9	2480.4	2430.3	2370.1	2303.2	2191.9	2135.9	2119.2
57°	2289.8	2303.2	2372.6	2511.4	2581.6	2522.3	2391.0	2268.9	2120.8	2053.1	2023.0
57.5°	2183.6	2205.3	2325.7	2465.4	2539.0	2534.0	2365.0	2205.3	2073.2	1967.8	1970.3
60°	1599.8	1604.0	1712.7	1934.3	2164.3	2169.3	1963.6	1752.0	1604.8	1490.3	1506.2
62.5°	843.8	863.1	906.5	1084.7	1283.7	1332.2	1207.6	1098.9	971.8	884.8	893.2
65°	446.6	444.1	465.0	515.2	613.0	638.1	621.4	535.2	490.9	476.7	477.5
67.5°	363.0	367.1	364.6	367.1	373.8	384.7	382.2	385.5	388.0	392.2	391.4
70°	307.8	307.8	309.4	310.3	310.3	315.3	321.1	332.0	332.8	337.0	338.7
72.5°	242.5	240.9	243.4	249.2	250.1	254.2	262.6	269.3	271.8	271.8	266.8
75°	164.8	166.4	169.8	174.8	179.8	187.3	194.0	198.2	199.9	197.4	194.9
77.5°	92.8	94.5	97.0	104.5	110.4	117.1	124.6	128.8	133.0	133.8	128.8
80°	55.2	55.2	59.4	65.2	71.9	78.6	85.3	90.3	92.0	92.0	89.5
82.5°	33.5	34.3	37.6	43.5	49.3	53.5	59.4	63.6	66.9	66.1	64.4
85°	17.6	17.6	20.9	25.9	30.1	34.3	34.3	31.8	30.1	25.9	24.3
87.5°	5.9	5.0	6.7	6.7	5.9	6.7	6.7	7.5	7.5	7.5	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)