

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: P527004

Luminaire Tested: **GALN-SA2A-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527004
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-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 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: 7106 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

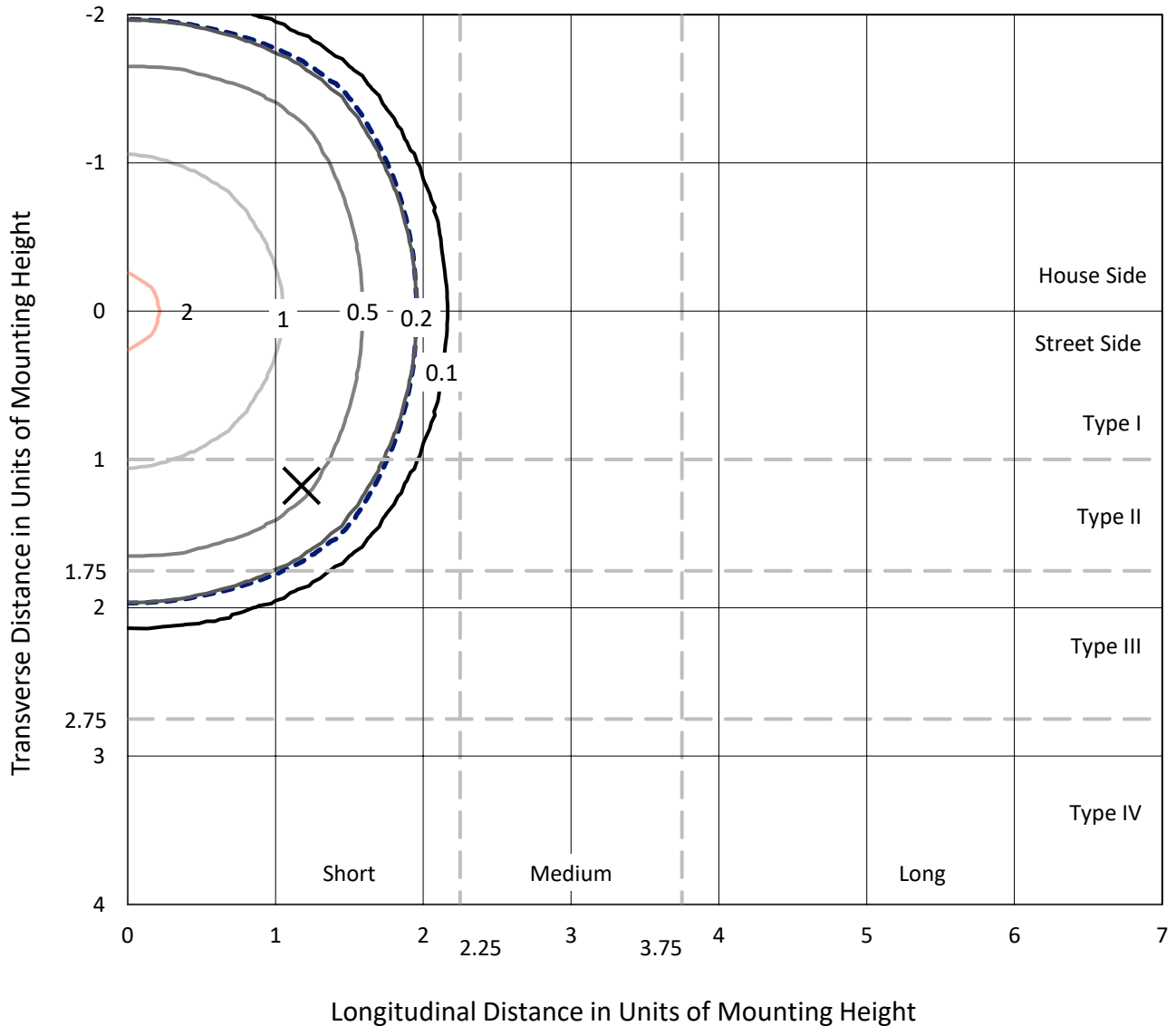
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

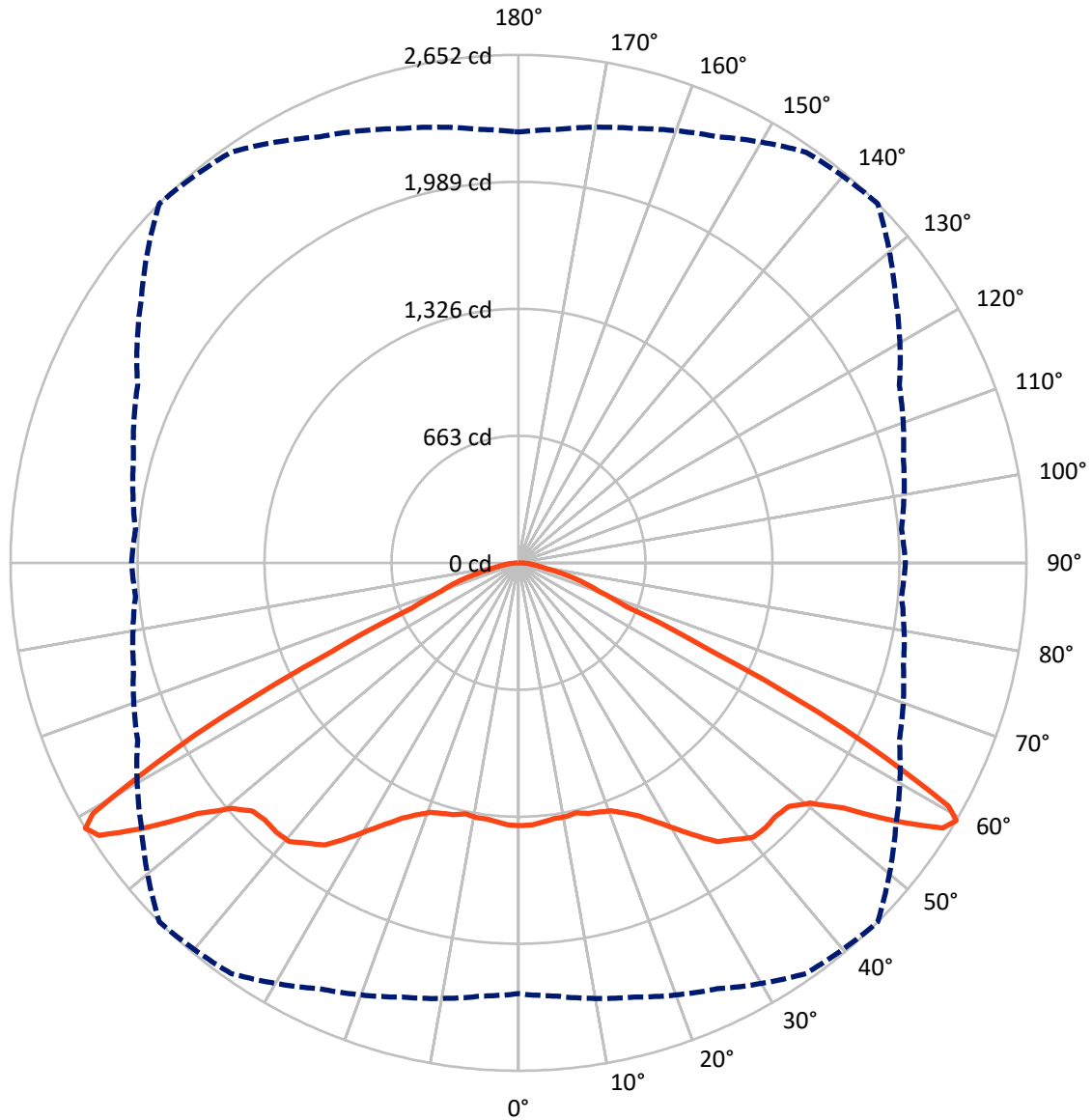
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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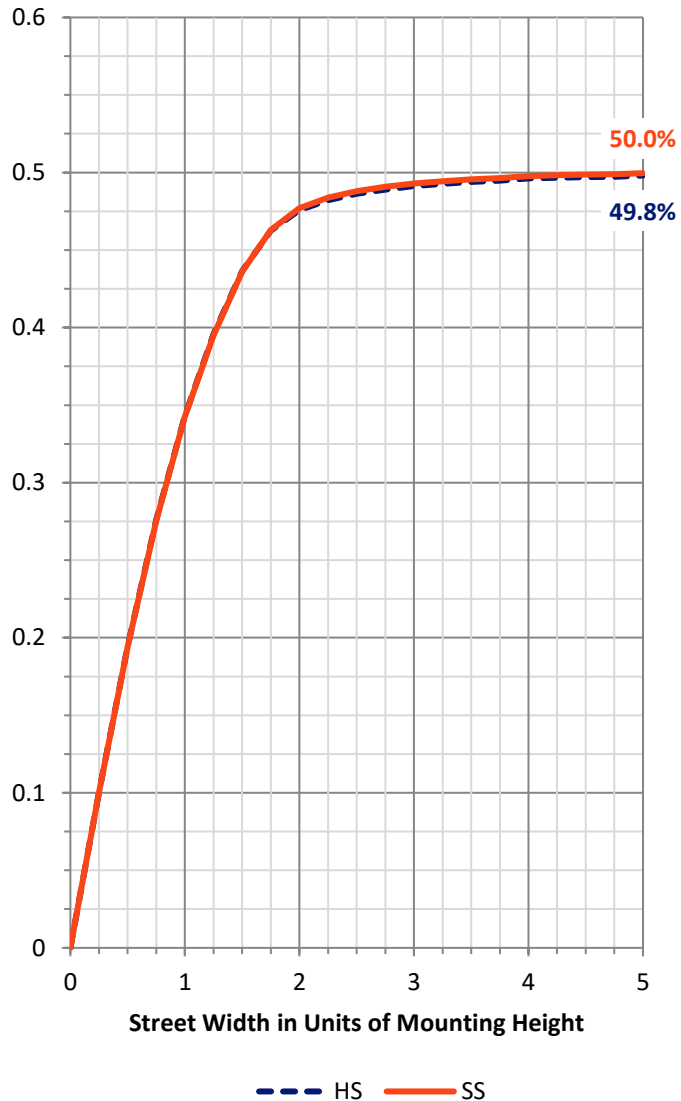
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3553.0	0.0	3553.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3553.0	0.0	3553.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7106.0	0.0	7106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.4	1.8
10°-20°	384.8	5.4
20°-30°	671.9	9.5
30°-40°	1073.1	15.1
40°-50°	1461.7	20.6
50°-60°	1976.6	27.8
60°-70°	1084.0	15.3
70°-80°	277.3	3.9
80°-90°	47.3	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°	7106.0	100.0
0°-180°	7106.0	100.0

Coefficient of Utilization



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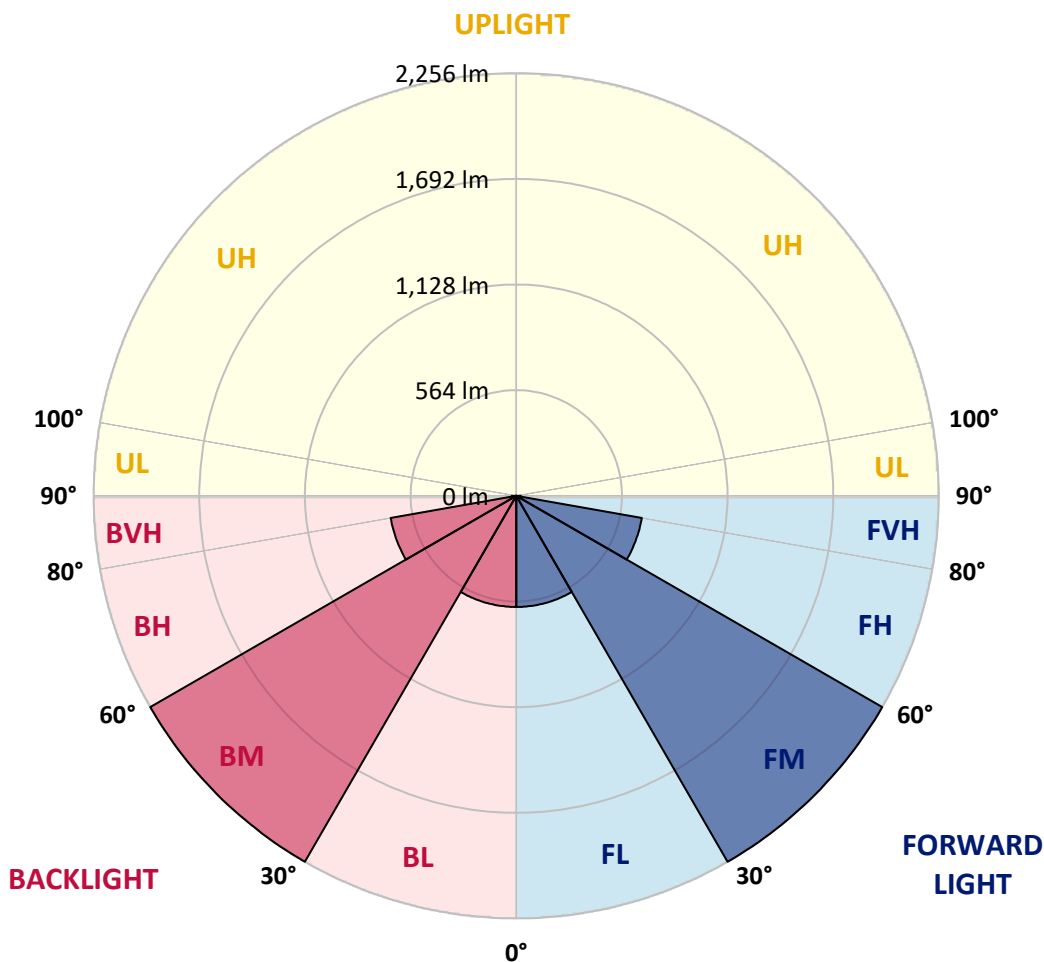
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	593.0	8.3			
FM (30°-60°)	2255.7	31.7			
FH (60°-80°)	680.6	9.6			G1/1800
FVH (80°-90°)	23.6	0.3			G1/100
BL (0°-30°)	593.0	8.3	B2/1000		
BM (30°-60°)	2255.7	31.7	B2/2500		
BH (60°-80°)	680.6	9.6	B2/1000		G1/1800
BVH (80°-90°)	23.6	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°	1372.5	1372.5	1372.5	1372.5	1372.5	1372.5	1372.5	1372.5	1372.5	1372.5	1372.5
2.5°	1364.3	1374.4	1367.1	1373.5	1372.5	1369.8	1365.3	1362.5	1358.9	1364.3	1355.2
5°	1358.9	1367.1	1375.3	1364.3	1364.3	1358.9	1356.1	1350.7	1350.7	1349.8	1348.9
7.5°	1368.0	1359.8	1356.1	1358.0	1359.8	1347.9	1356.1	1345.2	1336.1	1342.5	1349.8
10°	1359.8	1363.4	1349.8	1356.1	1346.1	1347.9	1342.5	1349.8	1339.8	1339.8	1339.8
12.5°	1368.0	1358.0	1362.5	1358.0	1355.2	1339.8	1347.0	1338.8	1337.9	1347.0	1338.8
15°	1384.4	1368.0	1364.3	1355.2	1358.0	1358.0	1350.7	1351.6	1341.6	1347.0	1348.9
17.5°	1378.9	1369.8	1367.1	1356.1	1365.3	1368.0	1354.3	1345.2	1351.6	1350.7	1349.8
20°	1383.5	1387.1	1384.4	1386.2	1389.8	1382.6	1369.8	1357.1	1348.9	1360.7	1359.8
22.5°	1412.6	1409.0	1407.1	1405.3	1411.7	1419.0	1401.7	1381.6	1381.6	1389.8	1393.5
25°	1436.3	1435.4	1434.5	1442.7	1464.5	1464.5	1442.7	1417.2	1410.8	1416.3	1411.7
27.5°	1470.9	1480.9	1477.3	1491.9	1523.7	1531.0	1501.9	1471.8	1454.5	1448.1	1456.3
30°	1550.1	1538.3	1541.0	1556.5	1584.8	1608.4	1563.8	1531.9	1508.2	1507.3	1511.0
32.5°	1603.0	1612.1	1620.3	1634.8	1679.5	1697.7	1644.0	1592.0	1577.5	1569.3	1572.0
35°	1708.6	1700.4	1698.6	1713.2	1757.8	1787.9	1720.5	1674.9	1655.8	1674.0	1674.0
37.5°	1808.8	1786.0	1768.7	1787.9	1828.8	1832.5	1775.1	1750.5	1740.5	1761.4	1760.5
40°	1856.2	1854.3	1814.3	1825.2	1879.8	1885.3	1831.6	1802.4	1800.6	1827.9	1855.3
42.5°	1905.3	1888.0	1848.0	1855.3	1888.9	1890.8	1839.8	1831.6	1851.6	1878.0	1879.8
45°	1913.5	1899.0	1873.5	1855.3	1879.8	1885.3	1855.3	1860.7	1862.5	1894.4	1894.4
47.5°	1929.9	1928.1	1913.5	1899.9	1904.4	1899.9	1880.8	1888.9	1916.3	1931.8	1924.5
50°	1975.5	1956.3	1970.9	1959.1	1960.0	1972.7	1955.4	1963.6	1958.2	1944.5	1935.4
52.5°	2075.7	2066.6	2079.3	2087.5	2096.6	2125.8	2105.7	2062.0	2021.0	1984.6	1983.7
55°	2222.3	2228.7	2253.3	2295.2	2330.7	2377.1	2280.6	2175.8	2110.3	2052.9	2056.5
57.5°	2360.7	2356.2	2389.9	2485.5	2589.3	2613.0	2423.6	2274.2	2167.6	2131.2	2115.7
59°	2249.6	2271.5	2348.0	2454.5	2617.6	2652.2	2404.4	2194.1	2081.1	2007.4	2020.1
60°	2074.7	2082.9	2151.3	2299.7	2520.1	2579.3	2276.0	2070.2	1919.9	1877.1	1896.2
62.5°	1466.3	1460.0	1509.2	1630.3	1827.9	1908.1	1692.2	1547.4	1452.7	1405.3	1416.3
65°	779.6	808.8	828.8	904.4	1009.1	1093.8	1004.6	941.7	888.9	849.8	848.8
67.5°	526.4	522.8	527.3	544.6	580.2	603.8	602.0	570.1	565.6	558.3	566.5
70°	443.5	441.7	433.5	433.5	440.8	446.3	452.7	456.3	463.6	472.7	471.8
72.5°	359.8	355.2	349.7	347.0	356.1	358.8	367.0	370.7	377.1	376.2	384.3
75°	237.7	237.7	244.1	251.4	254.1	259.6	260.5	271.4	271.4	273.2	265.9
77.5°	133.0	129.3	133.9	141.2	147.5	157.6	167.6	175.8	180.3	178.5	178.5
80°	77.4	77.4	82.0	90.2	98.4	107.5	114.8	121.1	125.7	123.9	120.2
82.5°	48.3	48.3	52.8	61.0	67.4	72.9	82.9	91.1	96.5	94.7	90.2
85°	24.6	24.6	30.1	35.5	43.7	47.4	46.4	42.8	41.9	37.3	37.3
87.5°	6.4	6.4	9.1	10.0	8.2	9.1	9.1	9.1	9.1	9.1	10.0
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)