

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: P527368

Luminaire Tested: **GALN-SA2B-827-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527368
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-SA2B-827-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 2700K, 800mA 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: 7136 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

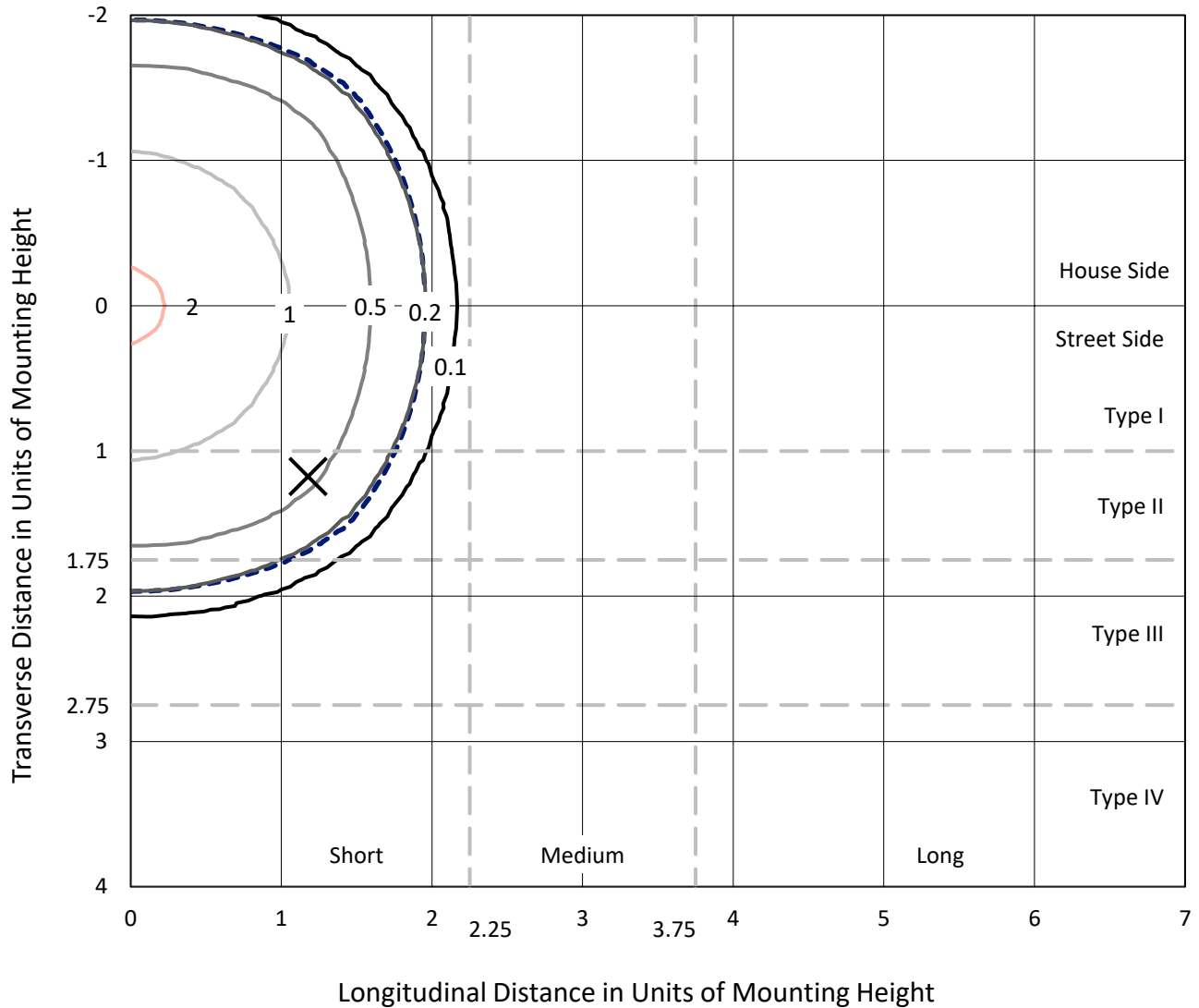
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

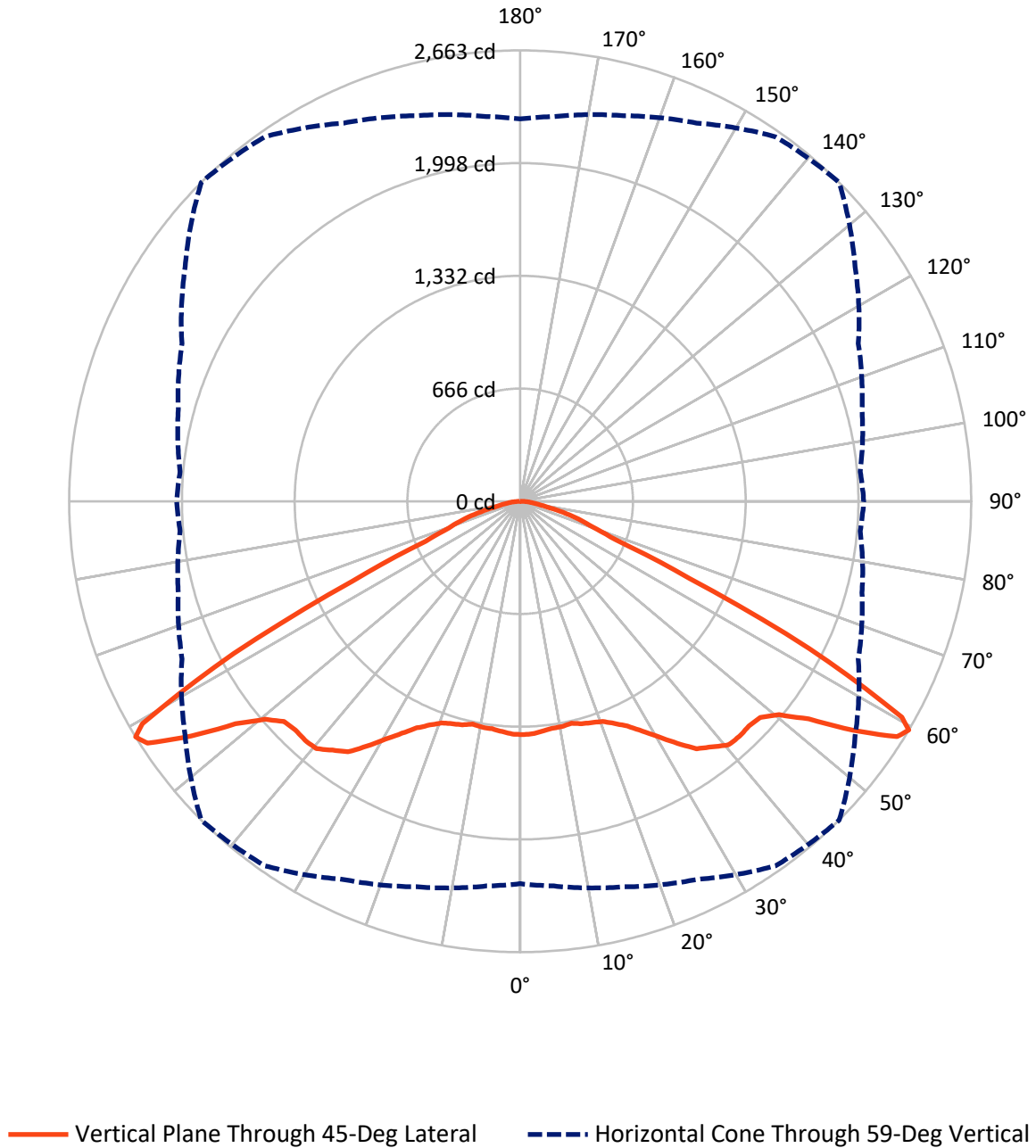
✕ Max cd
 - - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3568.0	0.0	3568.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3568.0	0.0	3568.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7136.0	0.0	7136.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	1.8
10°-20°	386.4	5.4
20°-30°	674.7	9.5
30°-40°	1077.6	15.1
40°-50°	1467.9	20.6
50°-60°	1985.0	27.8
60°-70°	1088.6	15.3
70°-80°	278.5	3.9
80°-90°	47.5	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°	7136.0	100.0
0°-180°	7136.0	100.0

Coefficient of Utilization

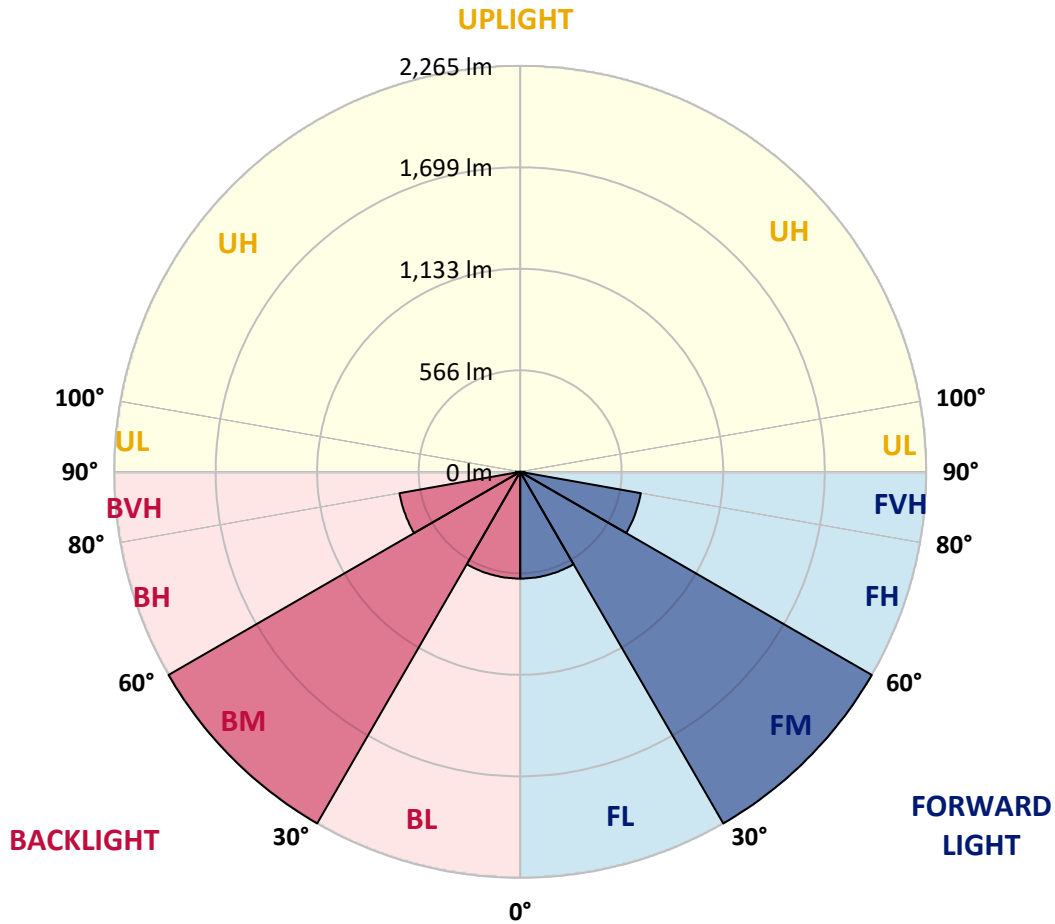


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	595.5	8.3			
FM (30°-60°)	2265.2	31.7			
FH (60°-80°)	683.5	9.6			G1/1800
FVH (80°-90°)	23.7	0.3			G1/100
BL (0°-30°)	595.5	8.3	B2/1000		
BM (30°-60°)	2265.2	31.7	B2/2500		
BH (60°-80°)	683.5	9.6	B2/1000		G1/1800
BVH (80°-90°)	23.7	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°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3
2.5°	1370.1	1380.2	1372.8	1379.2	1378.3	1375.6	1371.0	1368.3	1364.6	1370.1	1361.0
5°	1364.6	1372.8	1381.1	1370.1	1370.1	1364.6	1361.9	1356.4	1356.4	1355.5	1354.6
7.5°	1373.8	1365.5	1361.9	1363.7	1365.5	1353.6	1361.9	1350.9	1341.7	1348.2	1355.5
10°	1365.5	1369.2	1355.5	1361.9	1351.8	1353.6	1348.2	1355.5	1345.4	1345.4	1345.4
12.5°	1373.8	1363.7	1368.3	1363.7	1361.0	1345.4	1352.7	1344.5	1343.6	1352.7	1344.5
15°	1390.2	1373.8	1370.1	1361.0	1363.7	1363.7	1356.4	1357.3	1347.2	1352.7	1354.6
17.5°	1384.7	1375.6	1372.8	1361.9	1371.0	1373.8	1360.0	1350.9	1357.3	1356.4	1355.5
20°	1389.3	1393.0	1390.2	1392.1	1395.7	1388.4	1375.6	1362.8	1354.6	1366.4	1365.5
22.5°	1418.6	1414.9	1413.1	1411.3	1417.7	1425.0	1407.6	1387.5	1387.5	1395.7	1399.4
25°	1442.4	1441.4	1440.5	1448.8	1470.7	1470.7	1448.8	1423.2	1416.7	1422.2	1417.7
27.5°	1477.1	1487.2	1483.5	1498.1	1530.2	1537.5	1508.2	1478.0	1460.6	1454.2	1462.5
30°	1556.7	1544.8	1547.5	1563.1	1591.4	1615.2	1570.4	1538.4	1514.6	1513.7	1517.4
32.5°	1609.7	1618.9	1627.1	1641.7	1686.6	1704.9	1650.9	1598.8	1584.1	1575.9	1578.6
35°	1715.8	1707.6	1705.8	1720.4	1765.2	1795.4	1727.7	1682.0	1662.8	1681.1	1681.1
37.5°	1816.4	1793.6	1776.2	1795.4	1836.6	1840.2	1782.6	1757.9	1747.8	1768.9	1768.0
40°	1864.0	1862.2	1821.9	1832.9	1887.8	1893.3	1839.3	1810.0	1808.2	1835.6	1863.1
42.5°	1913.4	1896.0	1855.8	1863.1	1896.9	1898.8	1847.5	1839.3	1859.4	1885.9	1887.8
45°	1921.6	1907.0	1881.4	1863.1	1887.8	1893.3	1863.1	1868.6	1870.4	1902.4	1902.4
47.5°	1938.1	1936.3	1921.6	1907.9	1912.5	1907.9	1888.7	1896.9	1924.4	1939.9	1932.6
50°	1983.8	1964.6	1979.2	1967.3	1968.3	1981.1	1963.7	1971.9	1966.4	1952.7	1943.6
52.5°	2084.4	2075.3	2088.1	2096.3	2105.5	2134.7	2114.6	2070.7	2029.5	1993.0	1992.0
55°	2231.7	2238.1	2262.8	2304.8	2340.5	2387.2	2290.2	2185.0	2119.2	2061.6	2065.2
57.5°	2370.7	2366.1	2400.0	2496.0	2600.3	2624.0	2433.8	2283.8	2176.8	2140.2	2124.7
59°	2259.1	2281.1	2357.9	2464.9	2628.6	2663.4	2414.6	2203.3	2089.9	2015.8	2028.6
60°	2083.5	2091.7	2160.3	2309.4	2530.8	2590.2	2285.6	2078.9	1928.0	1885.0	1904.2
62.5°	1472.5	1466.1	1515.5	1637.2	1835.6	1916.1	1699.4	1553.9	1458.8	1411.3	1422.2
65°	782.9	812.2	832.3	908.2	1013.4	1098.5	1008.8	945.7	892.7	853.3	852.4
67.5°	528.7	525.0	529.6	546.9	582.6	606.4	604.6	572.6	568.0	560.7	568.9
70°	445.4	443.6	435.4	435.4	442.7	448.2	454.6	458.2	465.5	474.7	473.8
72.5°	361.3	356.7	351.2	348.5	357.6	360.4	368.6	372.3	378.7	377.7	386.0
75°	238.7	238.7	245.1	252.4	255.2	260.7	261.6	272.6	272.6	274.4	267.1
77.5°	133.5	129.9	134.4	141.8	148.2	158.2	168.3	176.5	181.1	179.3	179.3
80°	77.7	77.7	82.3	90.5	98.8	107.9	115.2	121.6	126.2	124.4	120.7
82.5°	48.5	48.5	53.0	61.3	67.7	73.2	83.2	91.5	96.9	95.1	90.5
85°	24.7	24.7	30.2	35.7	43.9	47.6	46.6	43.0	42.1	37.5	37.5
87.5°	6.4	6.4	9.1	10.1	8.2	9.1	9.1	9.1	9.1	9.1	10.1
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)