

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: P527394

Luminaire Tested: **GALN-SA2B-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527394
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-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 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: 7714 lumens
Efficiency: N/A
Efficacy: 94.1 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



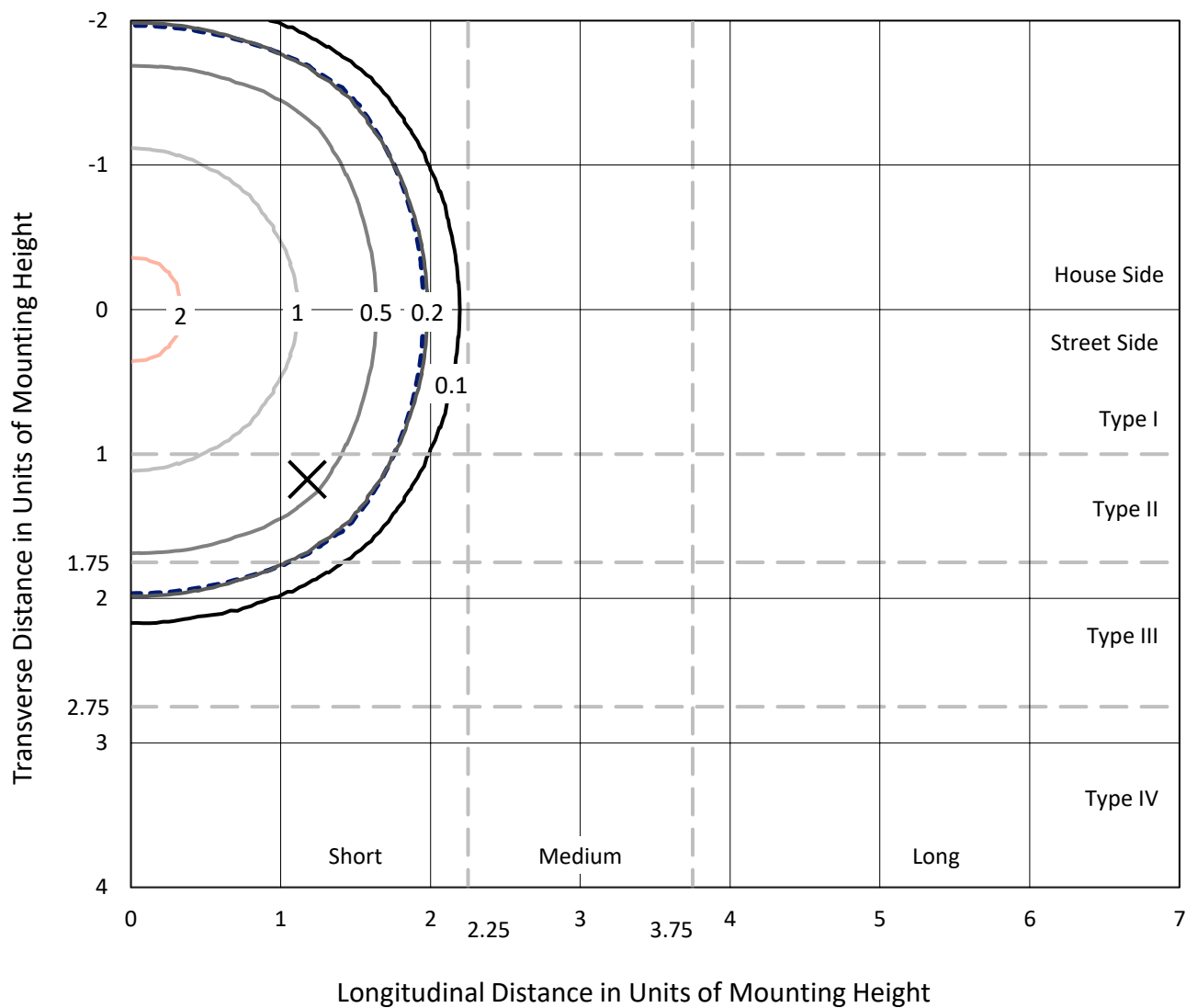
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



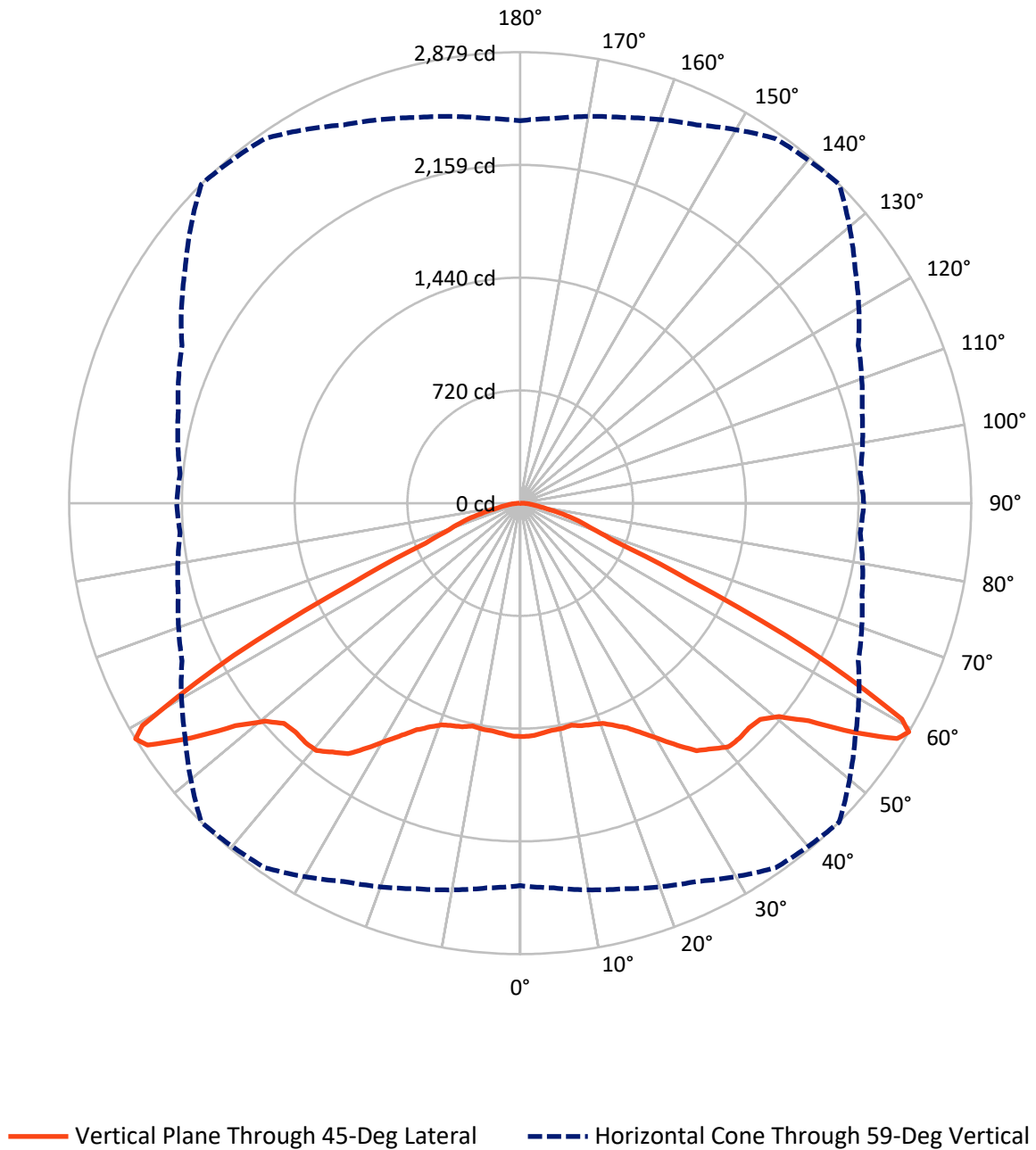
Based on 25 foot mounting height. Maximum calculated value = 2.4 fc

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	3857.0	0.0	3857.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3857.0	0.0	3857.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7714.0	0.0	7714.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.5	1.8
10°-20°	417.7	5.4
20°-30°	729.3	9.5
30°-40°	1164.9	15.1
40°-50°	1586.8	20.6
50°-60°	2145.7	27.8
60°-70°	1176.7	15.3
70°-80°	301.0	3.9
80°-90°	51.3	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°	7714.0	100.0
0°-180°	7714.0	100.0

Coefficient of Utilization



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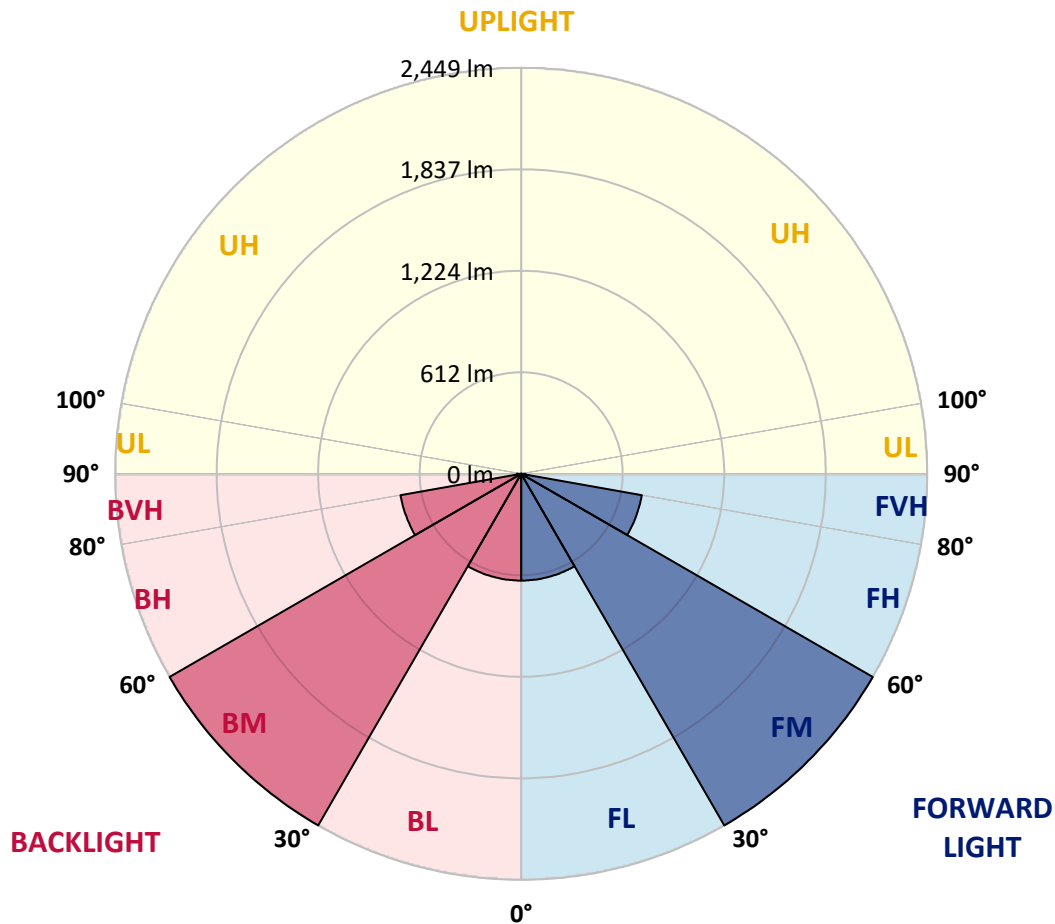
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	643.7	8.3			
FM	(30°-60°)	2448.7	31.7			
FH	(60°-80°)	738.9	9.6			G1/1800
FVH	(80°-90°)	25.7	0.3			G1/100
BL	(0°-30°)	643.7	8.3	B2/1000		
BM	(30°-60°)	2448.7	31.7	B2/2500		
BH	(60°-80°)	738.9	9.6	B2/1000		G1/1800
BVH	(80°-90°)	25.7	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°	1490.0	1490.0	1490.0	1490.0	1490.0	1490.0	1490.0	1490.0	1490.0	1490.0	1490.0
2.5°	1481.1	1492.0	1484.0	1491.0	1490.0	1487.0	1482.1	1479.1	1475.1	1481.1	1471.2
5°	1475.1	1484.0	1492.9	1481.1	1481.1	1475.1	1472.2	1466.2	1466.2	1465.3	1464.3
7.5°	1485.0	1476.1	1472.2	1474.2	1476.1	1463.3	1472.2	1460.3	1450.4	1457.3	1465.3
10°	1476.1	1480.1	1465.3	1472.2	1461.3	1463.3	1457.3	1465.3	1454.4	1454.4	1454.4
12.5°	1485.0	1474.2	1479.1	1474.2	1471.2	1454.4	1462.3	1453.4	1452.4	1462.3	1453.4
15°	1502.8	1485.0	1481.1	1471.2	1474.2	1474.2	1466.2	1467.2	1456.4	1462.3	1464.3
17.5°	1496.9	1487.0	1484.0	1472.2	1482.1	1485.0	1470.2	1460.3	1467.2	1466.2	1465.3
20°	1501.8	1505.8	1502.8	1504.8	1508.8	1500.9	1487.0	1473.2	1464.3	1477.1	1476.1
22.5°	1533.5	1529.5	1527.5	1525.6	1532.5	1540.4	1521.6	1499.9	1499.9	1508.8	1512.7
25°	1559.2	1558.2	1557.2	1566.1	1589.8	1589.8	1566.1	1538.4	1531.5	1537.4	1532.5
27.5°	1596.8	1607.6	1603.7	1619.5	1654.1	1662.0	1630.4	1597.7	1579.0	1572.0	1580.9
30°	1682.8	1669.9	1672.9	1689.7	1720.3	1746.1	1697.6	1663.0	1637.3	1636.3	1640.3
32.5°	1740.1	1750.0	1758.9	1774.7	1823.2	1842.9	1784.6	1728.3	1712.4	1703.5	1706.5
35°	1854.8	1845.9	1843.9	1859.8	1908.2	1940.8	1867.7	1818.2	1797.5	1817.2	1817.2
37.5°	1963.6	1938.8	1920.1	1940.8	1985.3	1989.3	1927.0	1900.3	1889.4	1912.2	1911.2
40°	2015.0	2013.0	1969.5	1981.4	2040.7	2046.6	1988.3	1956.6	1954.7	1984.3	2014.0
42.5°	2068.4	2049.6	2006.1	2014.0	2050.6	2052.5	1997.2	1988.3	2010.0	2038.7	2040.7
45°	2077.3	2061.4	2033.8	2014.0	2040.7	2046.6	2014.0	2019.9	2021.9	2056.5	2056.5
47.5°	2095.1	2093.1	2077.3	2062.4	2067.4	2062.4	2041.7	2050.6	2080.2	2097.0	2089.1
50°	2144.5	2123.7	2139.6	2126.7	2127.7	2141.5	2122.7	2131.6	2125.7	2110.9	2101.0
52.5°	2253.3	2243.4	2257.2	2266.1	2276.0	2307.6	2285.9	2238.4	2193.9	2154.4	2153.4
55°	2412.4	2419.4	2446.1	2491.5	2530.1	2580.5	2475.7	2362.0	2290.8	2228.5	2232.5
57.5°	2562.7	2557.8	2594.4	2698.2	2810.9	2836.6	2630.9	2468.8	2353.1	2313.6	2296.8
59°	2442.1	2465.8	2548.9	2664.6	2841.5	2879.1	2610.2	2381.8	2259.2	2179.1	2192.9
60°	2252.3	2261.2	2335.3	2496.5	2735.7	2800.0	2470.8	2247.3	2084.2	2037.7	2058.5
62.5°	1591.8	1584.9	1638.3	1769.8	1984.3	2071.3	1837.0	1679.8	1577.0	1525.6	1537.4
65°	846.3	878.0	899.7	981.8	1095.5	1187.4	1090.5	1022.3	965.0	922.5	921.5
67.5°	571.5	567.5	572.5	591.2	629.8	655.5	653.5	618.9	614.0	606.1	615.0
70°	481.5	479.5	470.6	470.6	478.5	484.5	491.4	495.3	503.2	513.1	512.1
72.5°	390.5	385.6	379.7	376.7	386.6	389.5	398.4	402.4	409.3	408.3	417.2
75°	258.1	258.1	265.0	272.9	275.8	281.8	282.8	294.6	294.6	296.6	288.7
77.5°	144.4	140.4	145.3	153.2	160.2	171.0	181.9	190.8	195.8	193.8	193.8
80°	84.0	84.0	89.0	97.9	106.8	116.7	124.6	131.5	136.4	134.5	130.5
82.5°	52.4	52.4	57.3	66.2	73.2	79.1	90.0	98.9	104.8	102.8	97.9
85°	26.7	26.7	32.6	38.6	47.5	51.4	50.4	46.5	45.5	40.5	40.5
87.5°	6.9	6.9	9.9	10.9	8.9	9.9	9.9	9.9	9.9	9.9	10.9
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)