

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: P527963

Luminaire Tested: **GALN-SA3A-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-735-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8736 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

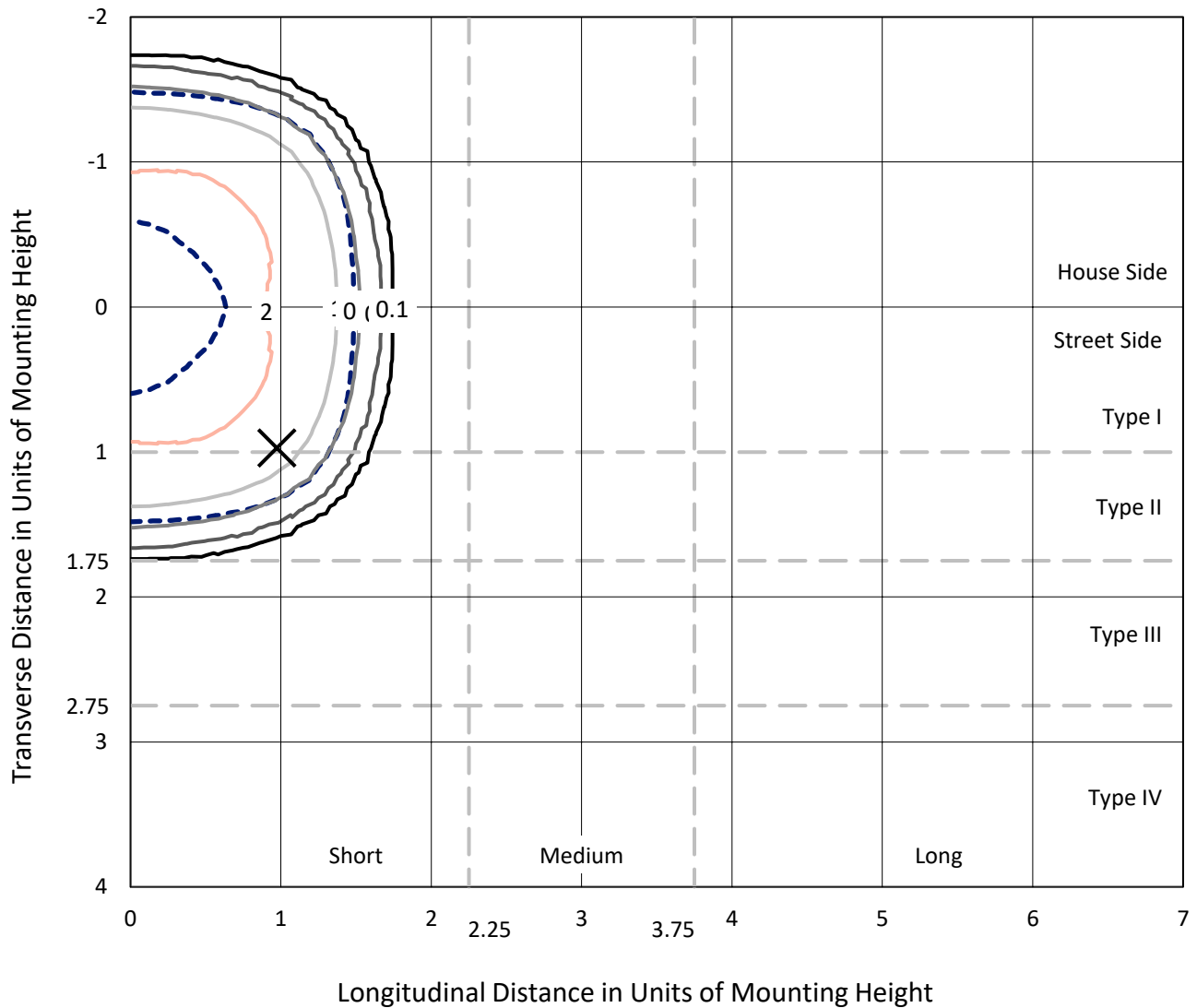
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

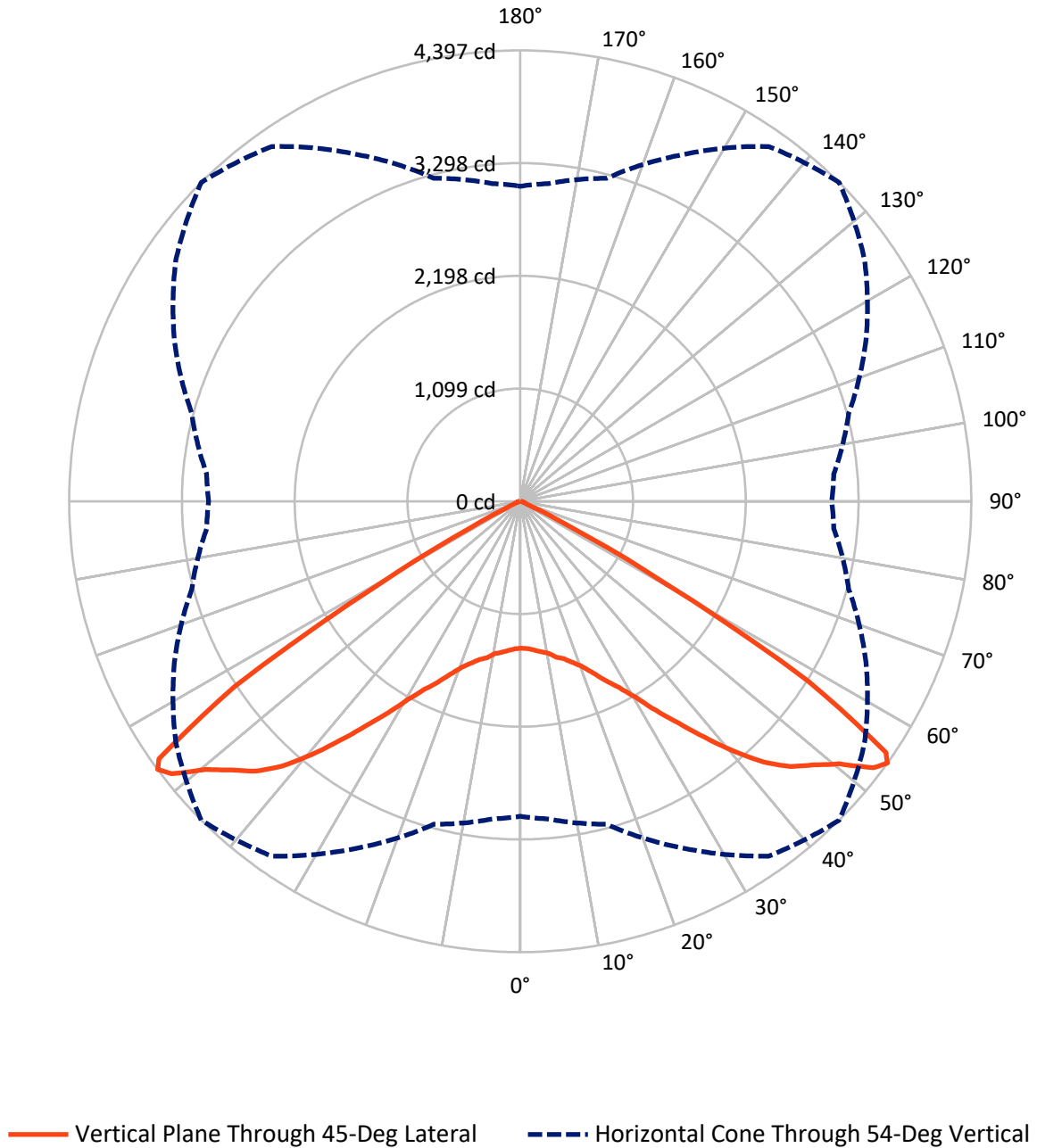
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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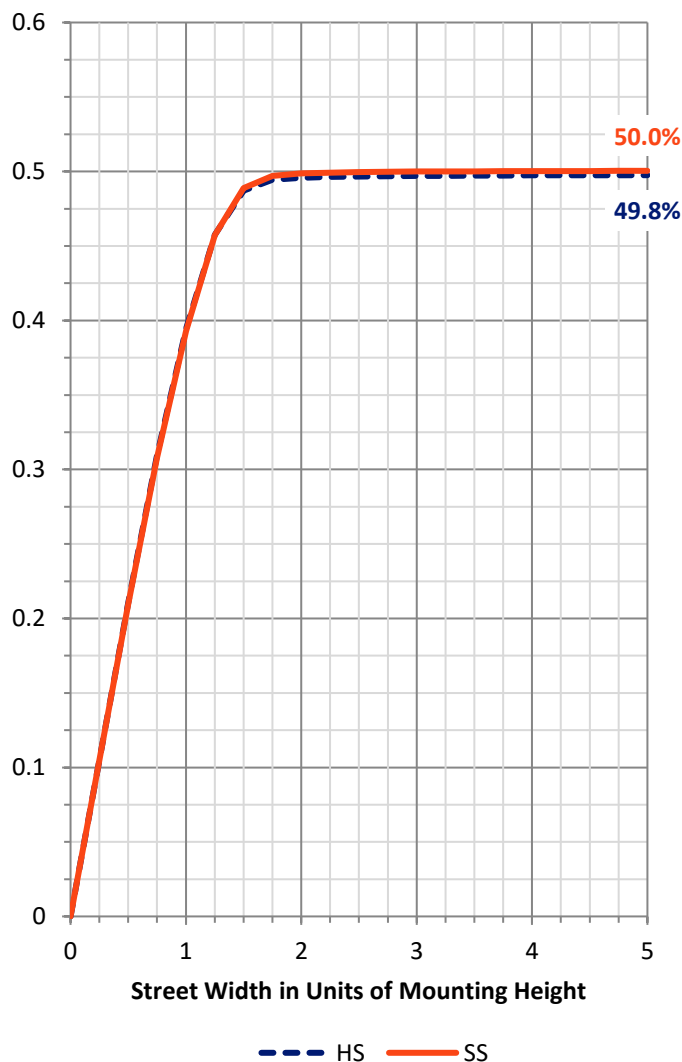
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4368.0	0.0	4368.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4368.0	0.0	4368.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8736.0	0.0	8736.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.2	1.6
10°-20°	454.0	5.2
20°-30°	889.9	10.2
30°-40°	1600.2	18.3
40°-50°	2739.2	31.4
50°-60°	2650.4	30.3
60°-70°	226.9	2.6
70°-80°	26.9	0.3
80°-90°	8.4	0.1
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°	8736.0	100.0
0°-180°	8736.0	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4
2.5°	1439.4	1447.7	1442.1	1446.3	1446.3	1439.4	1443.5	1426.9	1438.0	1429.7	1431.0
5°	1461.5	1460.1	1460.1	1461.5	1456.0	1458.7	1453.2	1447.7	1443.5	1438.0	1454.6
7.5°	1489.2	1489.2	1479.5	1482.3	1479.5	1483.6	1472.6	1461.5	1457.3	1453.2	1450.4
10°	1515.5	1512.7	1508.6	1521.0	1511.3	1505.8	1500.2	1493.3	1478.1	1472.6	1467.0
12.5°	1554.2	1552.8	1547.3	1559.8	1554.2	1559.8	1539.0	1521.0	1518.2	1500.2	1509.9
15°	1599.9	1612.4	1602.7	1602.7	1599.9	1593.0	1584.7	1576.4	1551.5	1544.5	1545.9
17.5°	1659.4	1655.3	1656.6	1656.6	1670.5	1652.5	1635.9	1615.1	1602.7	1598.5	1584.7
20°	1716.2	1721.7	1720.3	1730.0	1738.3	1718.9	1700.9	1698.2	1663.6	1669.1	1649.7
22.5°	1815.8	1811.6	1818.6	1825.5	1819.9	1817.2	1800.6	1779.8	1749.4	1735.5	1732.8
25°	1921.0	1914.1	1901.6	1918.2	1926.5	1939.0	1907.1	1896.1	1849.0	1828.3	1829.6
27.5°	2010.9	2020.6	2034.5	2041.4	2062.1	2058.0	2035.9	1999.9	1963.9	1940.4	1925.1
30°	2134.1	2139.7	2163.2	2172.9	2208.9	2218.5	2183.9	2142.4	2078.8	2048.3	2030.3
32.5°	2247.6	2286.4	2285.0	2333.4	2391.5	2431.7	2369.4	2305.7	2242.1	2206.1	2174.3
35°	2431.7	2424.8	2464.9	2516.1	2610.2	2655.9	2588.1	2514.7	2417.8	2359.7	2334.8
37.5°	2603.3	2606.1	2660.0	2741.7	2849.6	2920.2	2860.7	2740.3	2640.7	2565.9	2531.3
40°	2852.4	2857.9	2913.3	3006.0	3127.8	3203.9	3134.7	3013.0	2880.1	2822.0	2822.0
42.5°	3144.4	3168.0	3203.9	3284.2	3393.5	3478.0	3415.7	3320.2	3185.9	3111.2	3122.3
45°	3444.8	3455.8	3479.4	3598.4	3649.6	3691.1	3633.0	3588.7	3498.7	3407.4	3392.2
47.5°	3725.7	3729.9	3799.1	3836.4	3876.6	3842.0	3879.3	3821.2	3720.2	3631.6	3613.6
50°	3850.3	3843.3	3941.6	4055.1	4085.5	4024.6	3992.8	3954.1	3800.4	3693.9	3646.8
52.5°	3487.7	3527.8	3710.5	4026.0	4264.1	4315.3	4129.8	3951.3	3664.8	3457.2	3425.4
54°	3072.5	3109.8	3260.7	3728.5	4223.9	4396.9	4098.0	3718.8	3314.7	3068.3	3036.5
55°	2661.4	2619.9	2893.9	3371.4	4035.7	4325.0	3972.1	3418.5	2956.2	2730.6	2686.3
57.5°	1440.7	1447.7	1678.8	2130.0	2835.8	3316.0	2928.5	2312.7	1746.6	1493.3	1471.2
60°	456.7	467.8	568.8	860.8	1354.9	1617.9	1386.8	928.7	642.2	514.8	494.1
62.5°	142.6	148.1	161.9	240.8	370.9	530.1	415.2	249.1	185.5	170.2	173.0
65°	87.2	87.2	88.6	94.1	110.7	128.7	124.6	109.3	105.2	102.4	101.0
67.5°	56.7	55.4	58.1	62.3	65.0	66.4	70.6	74.7	73.4	70.6	70.6
70°	34.6	33.2	36.0	41.5	42.9	45.7	49.8	55.4	54.0	51.2	52.6
72.5°	19.4	19.4	20.8	24.9	29.1	31.8	36.0	40.1	41.5	40.1	40.1
75°	6.9	8.3	11.1	15.2	18.0	22.1	26.3	30.4	34.6	31.8	30.4
77.5°	2.8	2.8	5.5	9.7	13.8	18.0	24.9	29.1	31.8	29.1	26.3
80°	1.4	1.4	4.2	8.3	12.5	16.6	20.8	24.9	26.3	23.5	20.8
82.5°	1.4	1.4	4.2	8.3	12.5	15.2	22.1	24.9	27.7	24.9	20.8
85°	0.0	1.4	4.2	8.3	11.1	12.5	12.5	8.3	6.9	4.2	4.2
87.5°	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)