

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: P527911

Luminaire Tested: **GALN-SA3A-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527911
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-727-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 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: 7843 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

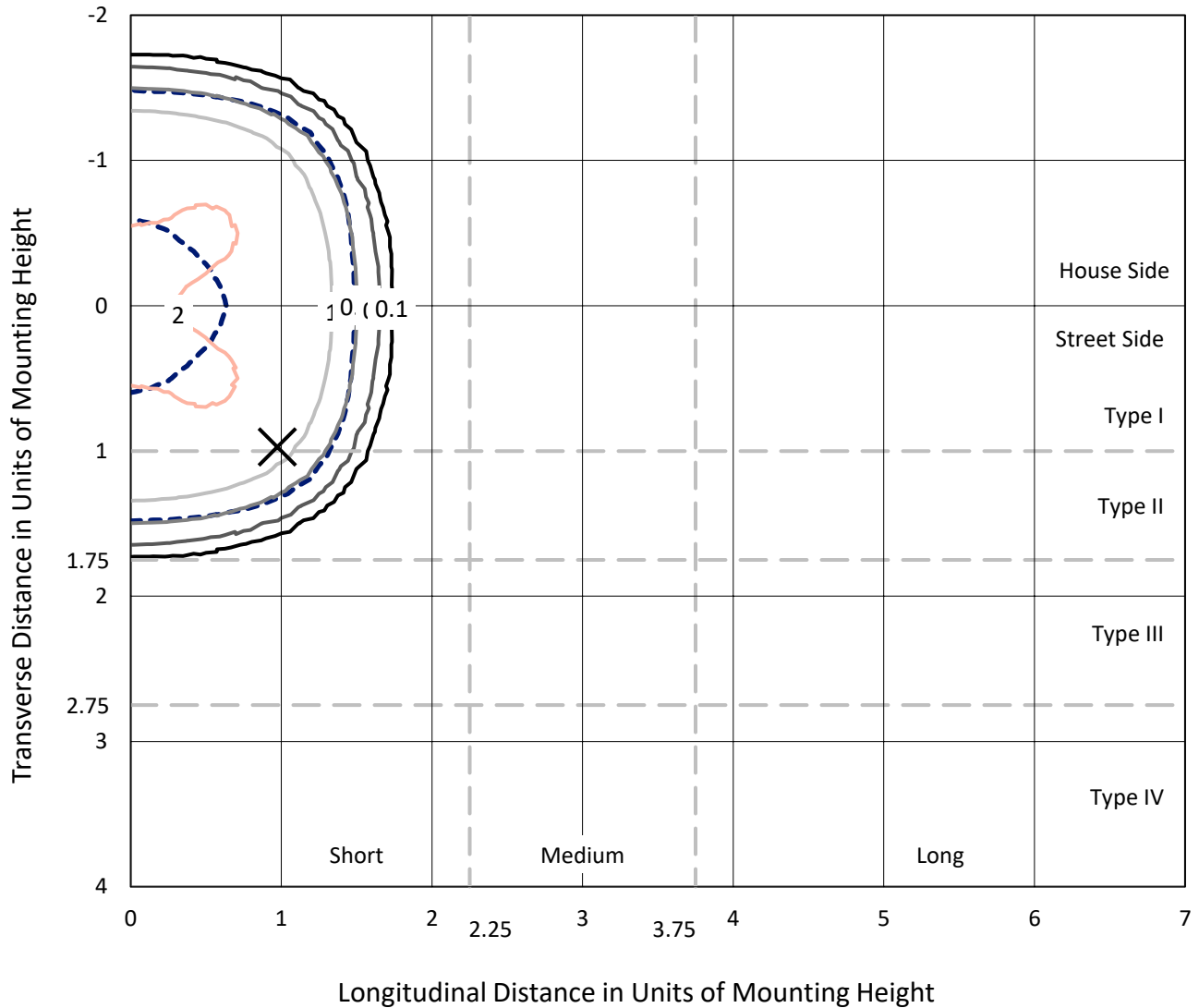
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

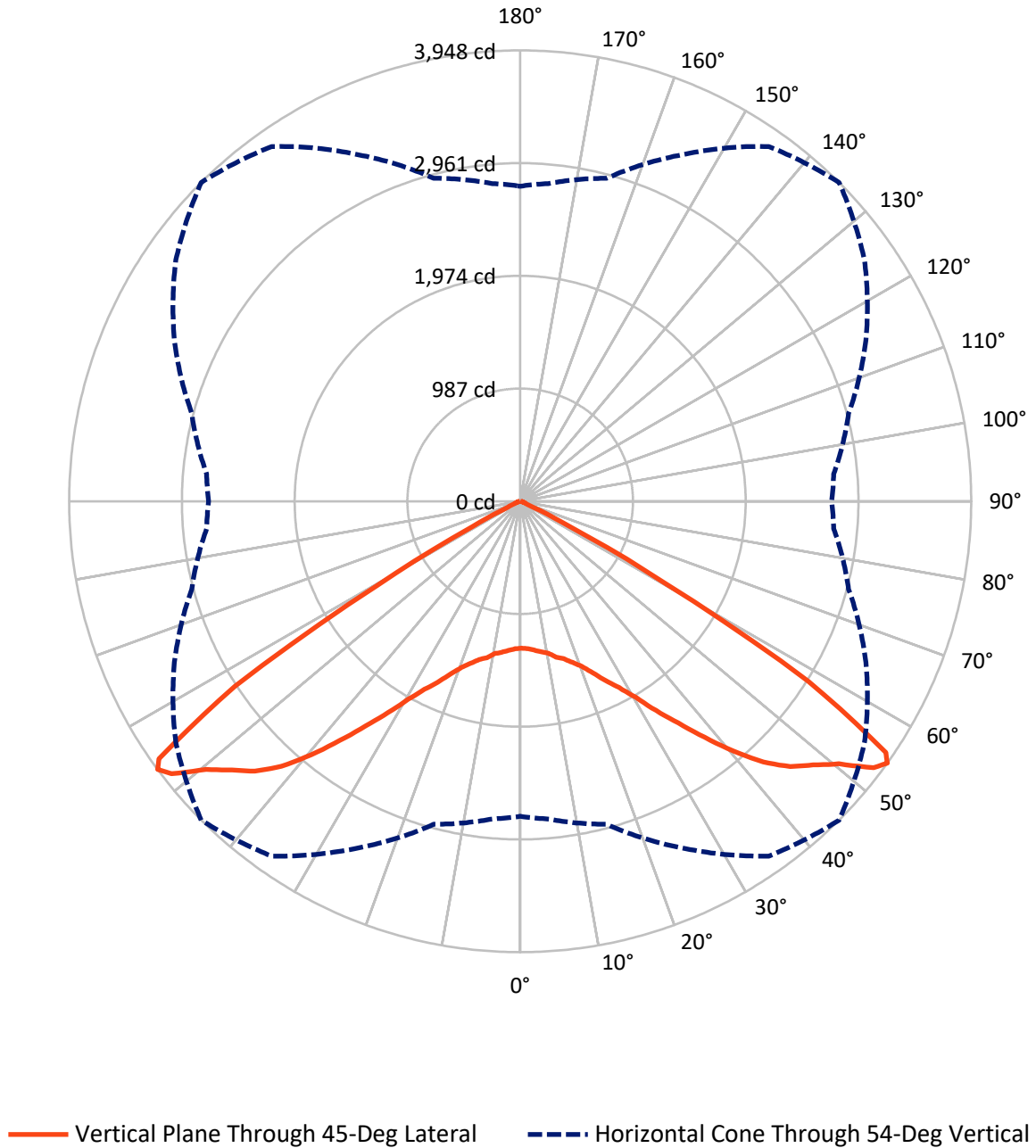
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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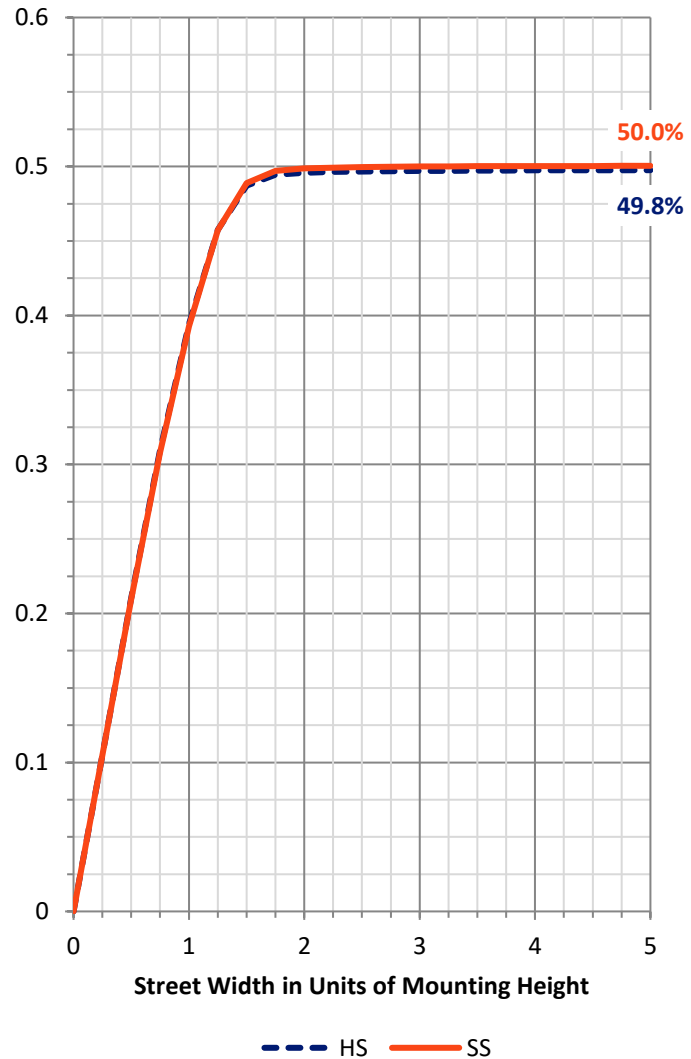
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3921.5	0.0	3921.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3921.5	0.0	3921.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7843.0	0.0	7843.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	1.6
10°-20°	407.6	5.2
20°-30°	798.9	10.2
30°-40°	1436.6	18.3
40°-50°	2459.2	31.4
50°-60°	2379.5	30.3
60°-70°	203.7	2.6
70°-80°	24.1	0.3
80°-90°	7.6	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°	7843.0	100.0
0°-180°	7843.0	100.0

Coefficient of Utilization

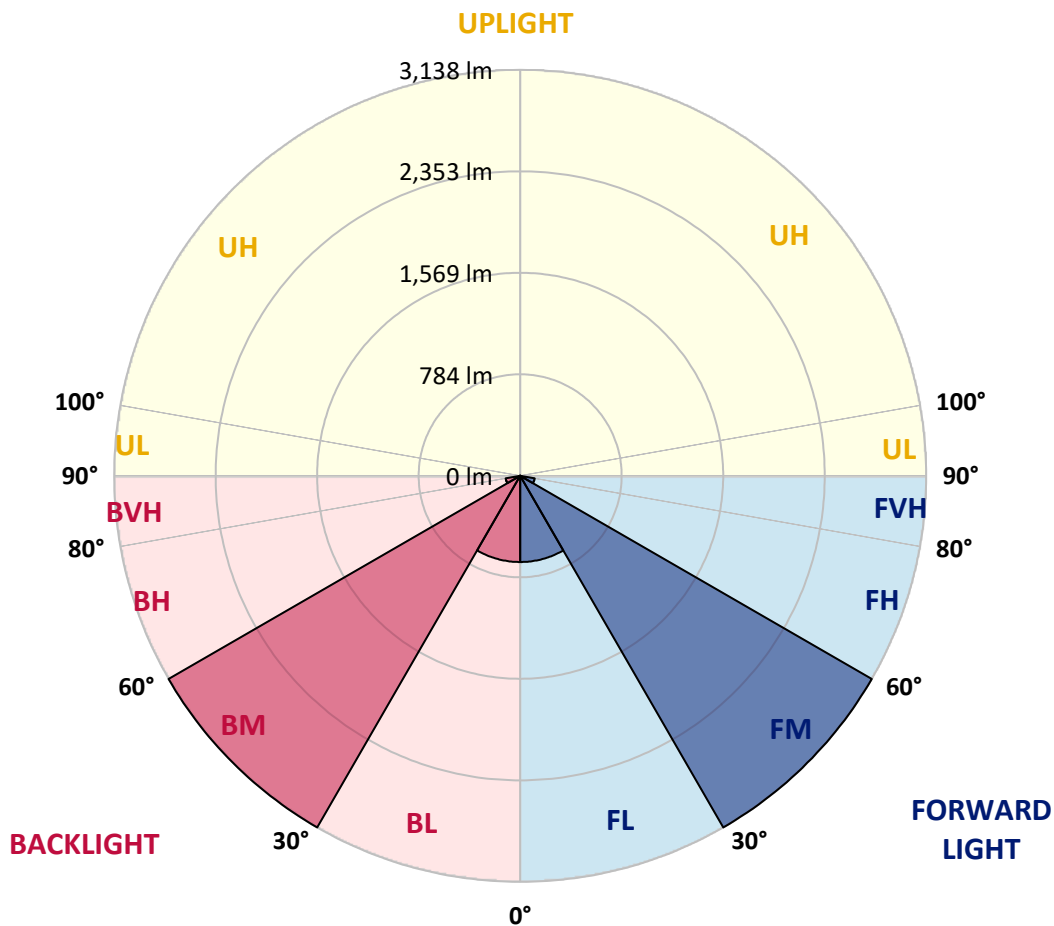


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.2	8.5			
FM (30°-60°)	3137.6	40.0			
FH (60°-80°)	113.9	1.5			G0/660
FVH (80°-90°)	3.8	0.0			G0/10
BL (0°-30°)	666.2	8.5	B2/1000		
BM (30°-60°)	3137.6	40.0	B3/5000		
BH (60°-80°)	113.9	1.5	B1/500		G0/660
BVH (80°-90°)	3.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0
2.5°	1292.2	1299.7	1294.7	1298.4	1298.4	1292.2	1295.9	1281.0	1291.0	1283.5	1284.8
5°	1312.1	1310.9	1310.9	1312.1	1307.1	1309.6	1304.6	1299.7	1295.9	1291.0	1305.9
7.5°	1337.0	1337.0	1328.3	1330.7	1328.3	1332.0	1322.0	1312.1	1308.4	1304.6	1302.2
10°	1360.6	1358.1	1354.3	1365.5	1356.8	1351.9	1346.9	1340.7	1327.0	1322.0	1317.1
12.5°	1395.3	1394.1	1389.1	1400.3	1395.3	1400.3	1381.7	1365.5	1363.0	1346.9	1355.6
15°	1436.4	1447.5	1438.8	1438.8	1436.4	1430.1	1422.7	1415.2	1392.9	1386.7	1387.9
17.5°	1489.8	1486.1	1487.3	1487.3	1499.7	1483.6	1468.7	1450.0	1438.8	1435.1	1422.7
20°	1540.7	1545.7	1544.5	1553.1	1560.6	1543.2	1527.1	1524.6	1493.5	1498.5	1481.1
22.5°	1630.2	1626.5	1632.7	1638.9	1633.9	1631.4	1616.5	1597.9	1570.5	1558.1	1555.6
25°	1724.6	1718.4	1707.2	1722.1	1729.6	1740.8	1712.2	1702.3	1660.0	1641.4	1642.6
27.5°	1805.4	1814.1	1826.5	1832.7	1851.4	1847.6	1827.7	1795.4	1763.1	1742.0	1728.3
30°	1916.0	1920.9	1942.1	1950.8	1983.1	1991.8	1960.7	1923.4	1866.3	1838.9	1822.8
32.5°	2017.9	2052.6	2051.4	2094.9	2147.1	2183.1	2127.2	2070.0	2012.9	1980.6	1952.0
35°	2183.1	2176.9	2212.9	2258.9	2343.4	2384.4	2323.5	2257.7	2170.7	2118.5	2096.1
37.5°	2337.2	2339.7	2388.1	2461.4	2558.3	2621.7	2568.3	2460.2	2370.7	2303.6	2272.6
40°	2560.8	2565.8	2615.5	2698.8	2808.1	2876.4	2814.3	2705.0	2585.7	2533.5	2533.5
42.5°	2823.0	2844.1	2876.4	2948.5	3046.7	3122.5	3066.5	2980.8	2860.3	2793.2	2803.1
45°	3092.6	3102.6	3123.7	3230.6	3276.5	3313.8	3261.6	3221.9	3141.1	3059.1	3045.4
47.5°	3344.9	3348.6	3410.7	3444.3	3480.3	3449.2	3482.8	3430.6	3339.9	3260.4	3244.2
50°	3456.7	3450.5	3538.7	3640.6	3667.9	3613.2	3584.7	3549.9	3412.0	3316.3	3274.0
52.5°	3131.1	3167.2	3331.2	3614.5	3828.2	3874.2	3707.7	3547.4	3290.2	3103.8	3075.2
54°	2758.4	2791.9	2927.4	3347.3	3792.2	3947.5	3679.1	3338.6	2975.8	2754.7	2726.1
55°	2389.4	2352.1	2598.1	3026.8	3623.2	3882.9	3566.0	3069.0	2654.0	2451.5	2411.7
57.5°	1293.5	1299.7	1507.2	1912.2	2545.9	2977.1	2629.2	2076.3	1568.1	1340.7	1320.8
60°	410.0	420.0	510.7	772.8	1216.4	1452.5	1245.0	833.7	576.5	462.2	443.6
62.5°	128.0	132.9	145.4	216.2	333.0	475.9	372.8	223.7	166.5	152.8	155.3
65°	78.3	78.3	79.5	84.5	99.4	115.6	111.8	98.2	94.4	91.9	90.7
67.5°	50.9	49.7	52.2	55.9	58.4	59.6	63.4	67.1	65.9	63.4	63.4
70°	31.1	29.8	32.3	37.3	38.5	41.0	44.7	49.7	48.5	46.0	47.2
72.5°	17.4	17.4	18.6	22.4	26.1	28.6	32.3	36.0	37.3	36.0	36.0
75°	6.2	7.5	9.9	13.7	16.2	19.9	23.6	27.3	31.1	28.6	27.3
77.5°	2.5	2.5	5.0	8.7	12.4	16.2	22.4	26.1	28.6	26.1	23.6
80°	1.2	1.2	3.7	7.5	11.2	14.9	18.6	22.4	23.6	21.1	18.6
82.5°	1.2	1.2	3.7	7.5	11.2	13.7	19.9	22.4	24.9	22.4	18.6
85°	0.0	1.2	3.7	7.5	9.9	11.2	11.2	7.5	6.2	3.7	3.7
87.5°	0.0	0.0	1.2	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)