

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: P527261

Luminaire Tested: **GALN-SA2B-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527261
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-SA2B-735-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA 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: 7322 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

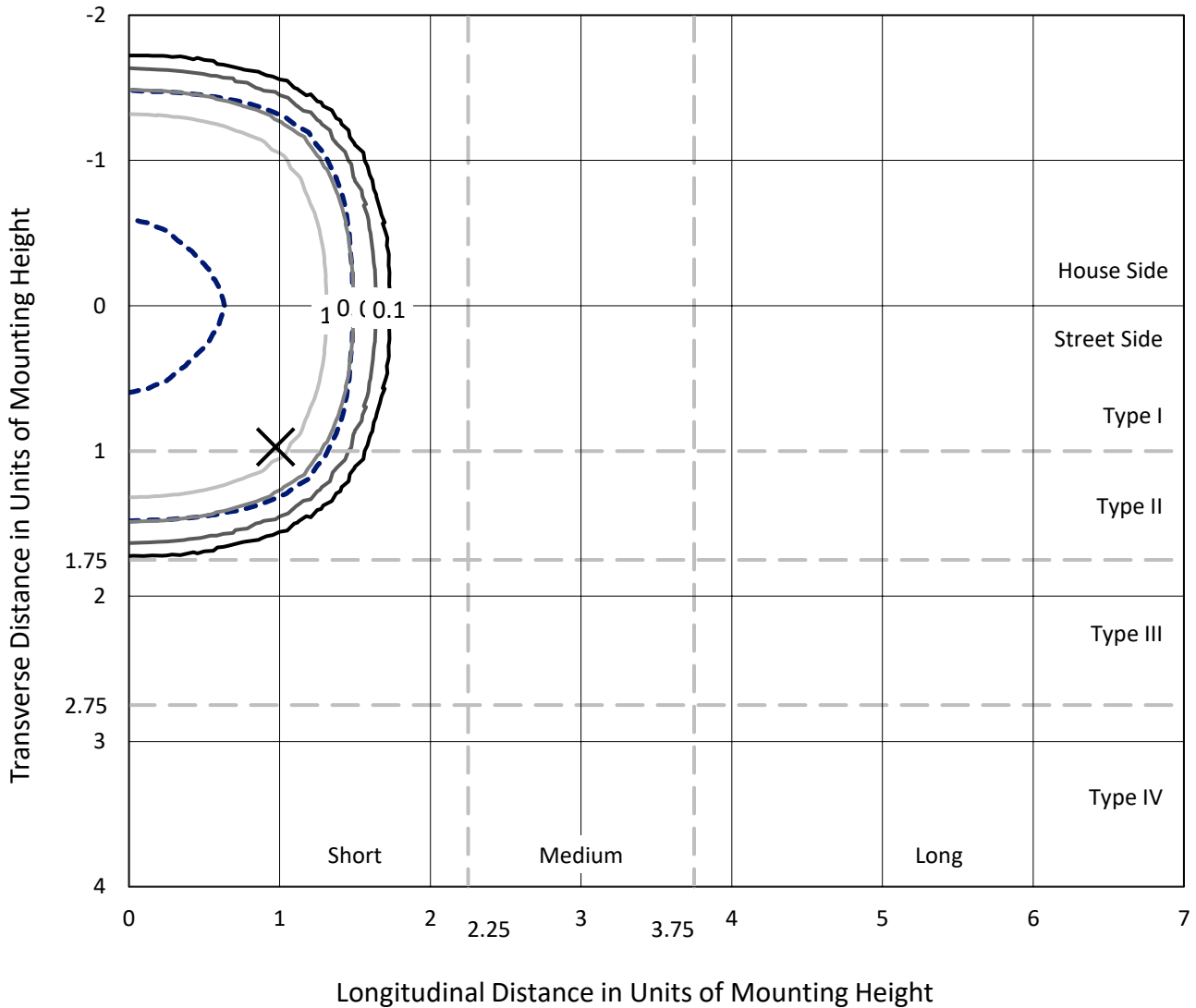
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

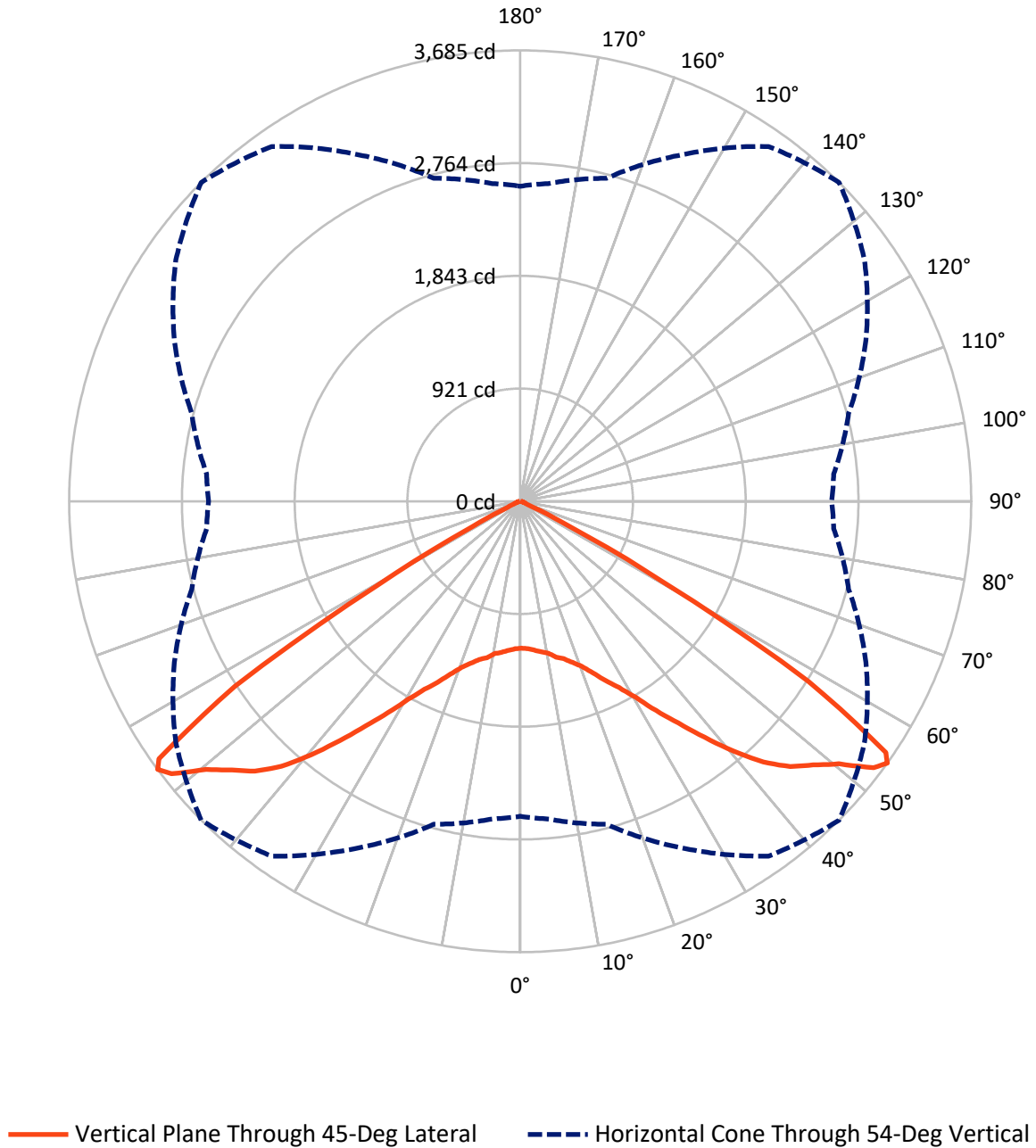
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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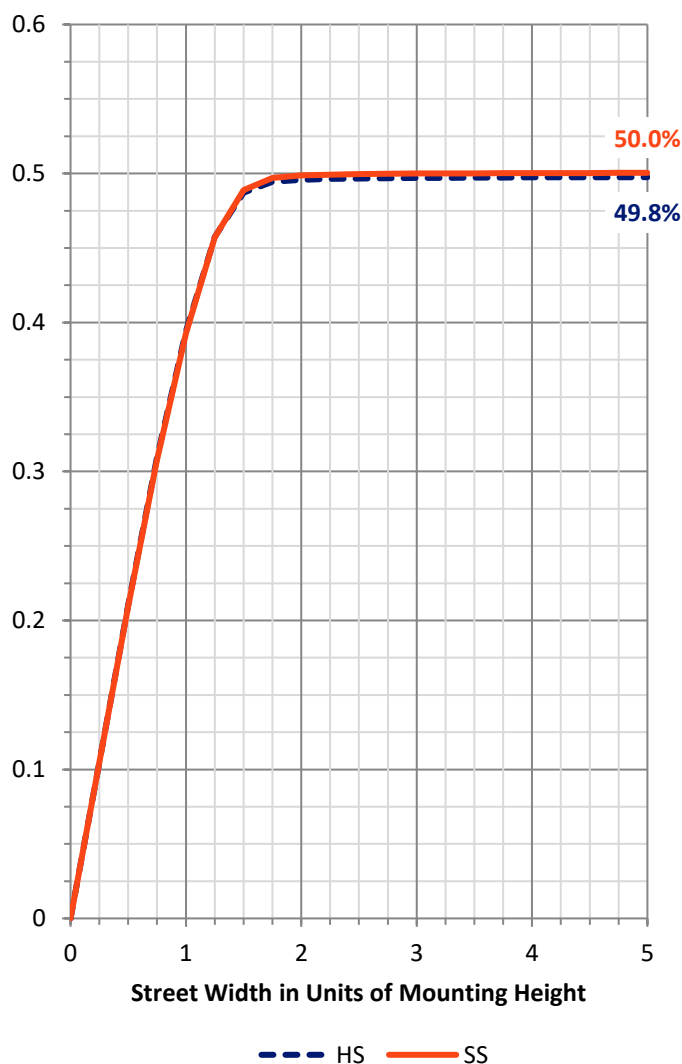
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3661.0	0.0	3661.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3661.0	0.0	3661.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7322.0	0.0	7322.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	1.6
10°-20°	380.5	5.2
20°-30°	745.8	10.2
30°-40°	1341.2	18.3
40°-50°	2295.8	31.4
50°-60°	2221.4	30.3
60°-70°	190.2	2.6
70°-80°	22.5	0.3
80°-90°	7.1	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°	7322.0	100.0
0°-180°	7322.0	100.0

Coefficient of Utilization

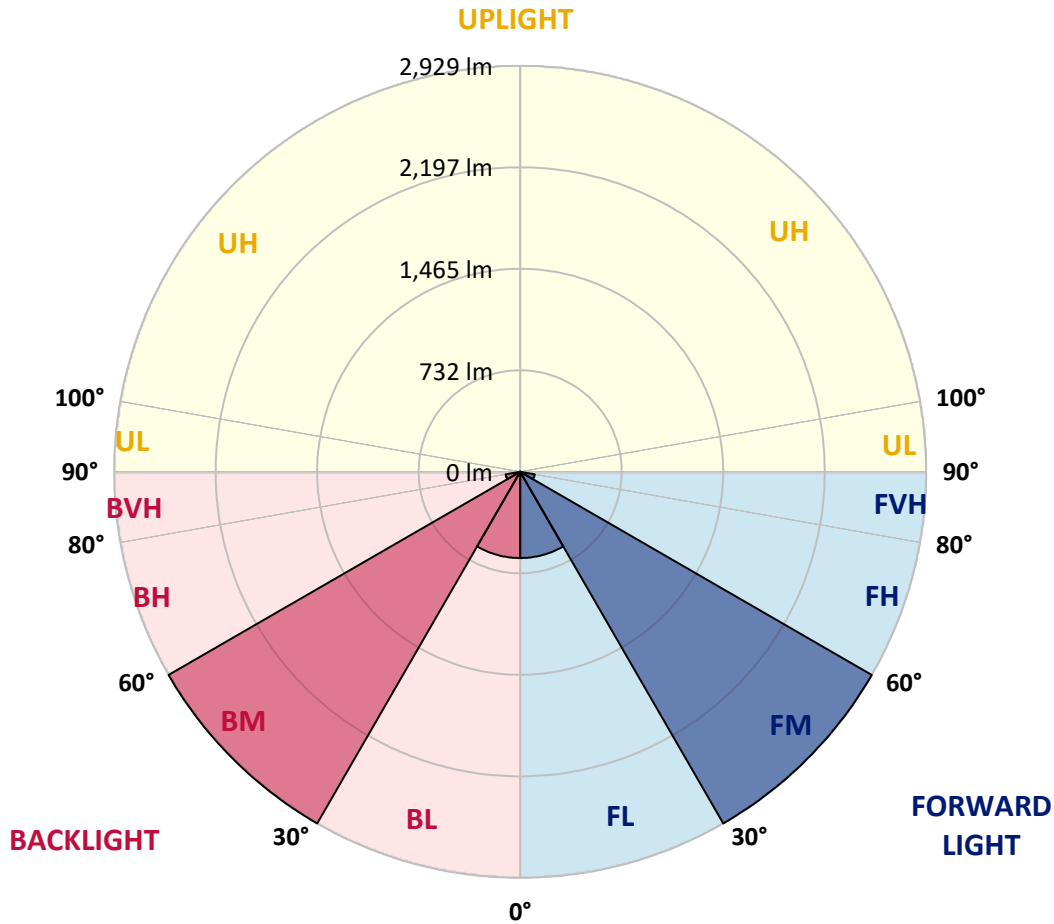


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	621.9	8.5			
FM (30°-60°)	2929.2	40.0			
FH (60°-80°)	106.4	1.5			G0/660
FVH (80°-90°)	3.5	0.0			G0/10
BL (0°-30°)	621.9	8.5	B2/1000		
BM (30°-60°)	2929.2	40.0	B3/5000		
BH (60°-80°)	106.4	1.5	B0/110		G0/660
BVH (80°-90°)	3.5	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°	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6
2.5°	1206.4	1213.3	1208.7	1212.2	1212.2	1206.4	1209.9	1195.9	1205.2	1198.3	1199.4
5°	1224.9	1223.8	1223.8	1224.9	1220.3	1222.6	1218.0	1213.3	1209.9	1205.2	1219.1
7.5°	1248.1	1248.1	1240.0	1242.3	1240.0	1243.5	1234.2	1224.9	1221.5	1218.0	1215.7
10°	1270.2	1267.9	1264.4	1274.8	1266.7	1262.1	1257.4	1251.6	1238.9	1234.2	1229.6
12.5°	1302.7	1301.5	1296.9	1307.3	1302.7	1307.3	1289.9	1274.8	1272.5	1257.4	1265.5
15°	1340.9	1351.4	1343.3	1343.3	1340.9	1335.1	1328.2	1321.2	1300.3	1294.5	1295.7
17.5°	1390.8	1387.3	1388.5	1388.5	1400.1	1385.0	1371.1	1353.7	1343.3	1339.8	1328.2
20°	1438.4	1443.0	1441.9	1450.0	1456.9	1440.7	1425.6	1423.3	1394.3	1398.9	1382.7
22.5°	1521.9	1518.4	1524.2	1530.0	1525.4	1523.1	1509.1	1491.7	1466.2	1454.6	1452.3
25°	1610.1	1604.3	1593.8	1607.7	1614.7	1625.1	1598.5	1589.2	1549.7	1532.3	1533.5
27.5°	1685.5	1693.6	1705.2	1711.0	1728.4	1724.9	1706.3	1676.2	1646.0	1626.3	1613.5
30°	1788.7	1793.3	1813.0	1821.2	1851.3	1859.4	1830.4	1795.6	1742.3	1716.8	1701.7
32.5°	1883.8	1916.3	1915.1	1955.7	2004.4	2038.1	1985.9	1932.5	1879.2	1849.0	1822.3
35°	2038.1	2032.3	2065.9	2108.8	2187.7	2226.0	2169.2	2107.7	2026.5	1977.8	1956.9
37.5°	2181.9	2184.2	2229.5	2297.9	2388.4	2447.6	2397.7	2296.8	2213.2	2150.6	2121.6
40°	2390.7	2395.4	2441.8	2519.5	2621.6	2685.4	2627.4	2525.3	2413.9	2365.2	2365.2
42.5°	2635.5	2655.2	2685.4	2752.6	2844.3	2915.0	2862.8	2782.8	2670.3	2607.6	2616.9
45°	2887.2	2896.5	2916.2	3015.9	3058.9	3093.7	3044.9	3007.8	2932.4	2855.9	2843.1
47.5°	3122.7	3126.1	3184.1	3215.5	3249.1	3220.1	3251.4	3202.7	3118.0	3043.8	3028.7
50°	3227.1	3221.3	3303.6	3398.7	3424.3	3373.2	3346.5	3314.1	3185.3	3096.0	3056.5
52.5°	2923.2	2956.8	3109.9	3374.4	3573.9	3616.8	3461.4	3311.7	3071.6	2897.6	2871.0
54°	2575.2	2606.5	2732.9	3125.0	3540.3	3685.3	3434.7	3116.9	2778.2	2571.7	2545.0
55°	2230.6	2195.8	2425.5	2825.7	3382.5	3624.9	3329.1	2865.2	2477.7	2288.6	2251.5
57.5°	1207.5	1213.3	1407.1	1785.2	2376.8	2779.3	2454.5	1938.3	1463.9	1251.6	1233.1
60°	382.8	392.1	476.8	721.5	1135.6	1356.0	1162.3	778.3	538.2	431.5	414.1
62.5°	119.5	124.1	135.7	201.8	310.9	444.3	348.0	208.8	155.4	142.7	145.0
65°	73.1	73.1	74.2	78.9	92.8	107.9	104.4	91.6	88.2	85.8	84.7
67.5°	47.6	46.4	48.7	52.2	54.5	55.7	59.2	62.6	61.5	59.2	59.2
70°	29.0	27.8	30.2	34.8	36.0	38.3	41.8	46.4	45.2	42.9	44.1
72.5°	16.2	16.2	17.4	20.9	24.4	26.7	30.2	33.6	34.8	33.6	33.6
75°	5.8	7.0	9.3	12.8	15.1	18.6	22.0	25.5	29.0	26.7	25.5
77.5°	2.3	2.3	4.6	8.1	11.6	15.1	20.9	24.4	26.7	24.4	22.0
80°	1.2	1.2	3.5	7.0	10.4	13.9	17.4	20.9	22.0	19.7	17.4
82.5°	1.2	1.2	3.5	7.0	10.4	12.8	18.6	20.9	23.2	20.9	17.4
85°	0.0	1.2	3.5	7.0	9.3	10.4	10.4	7.0	5.8	3.5	3.5
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)