

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: P526976

Luminaire Tested: **GALN-SA2A-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6928 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

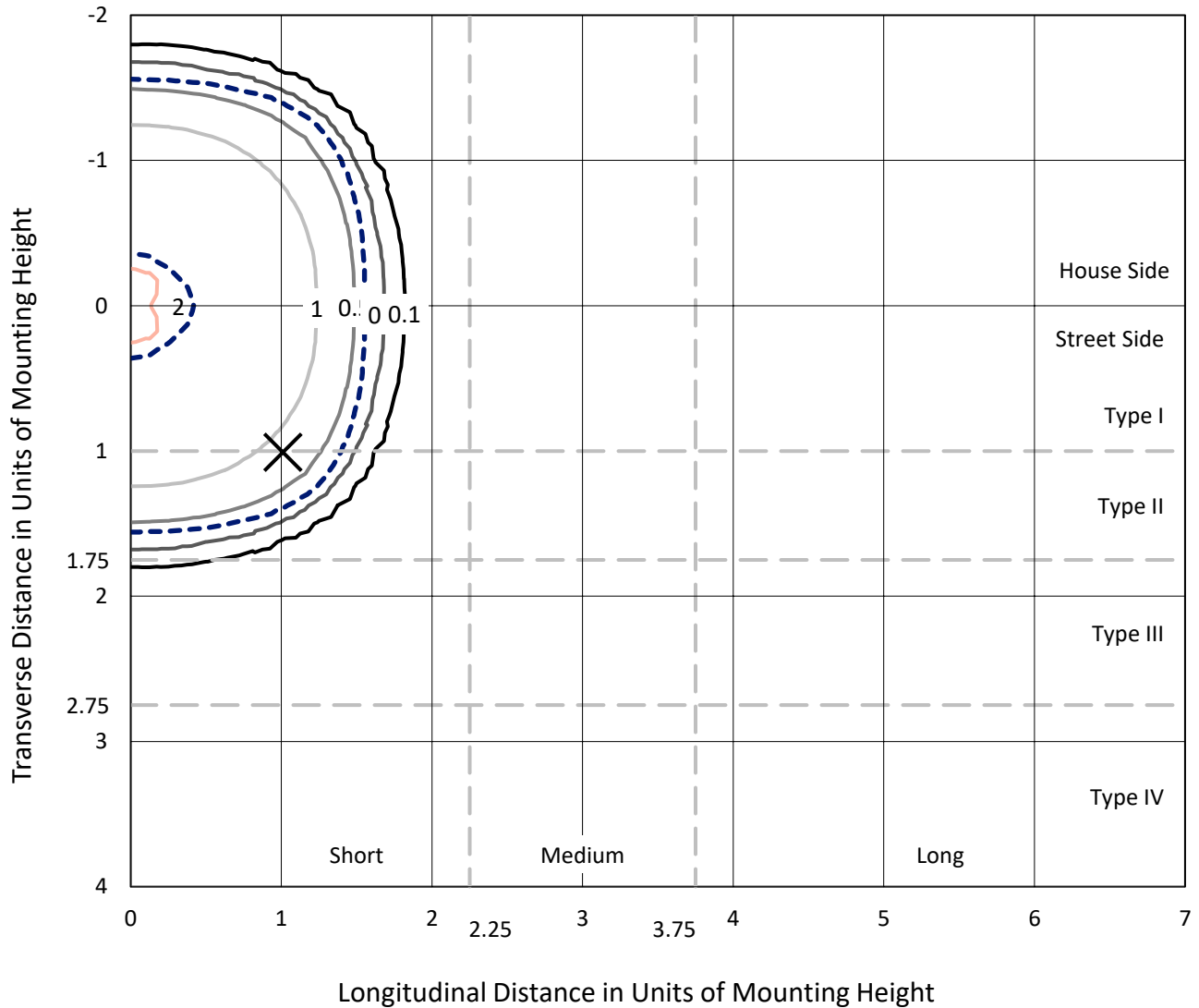
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

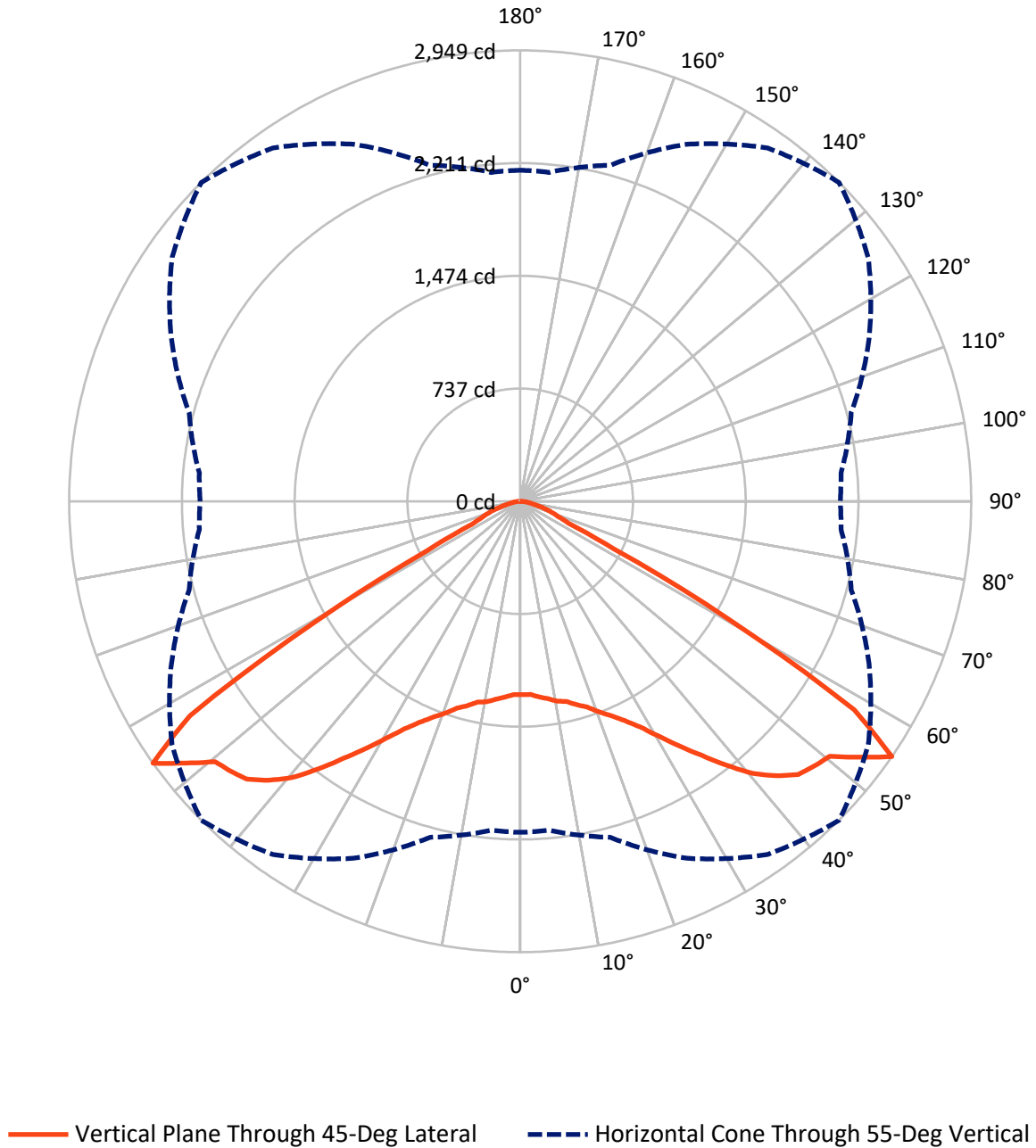
✕ Max cd
 - - - 1/2 Max cd



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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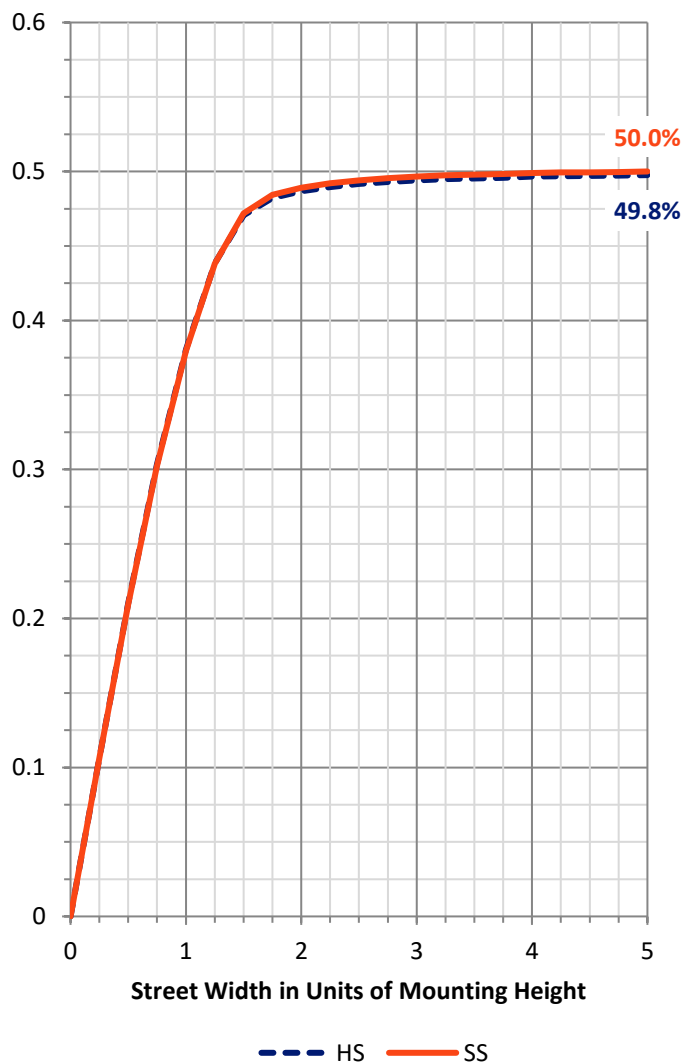
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3464.0	0.0	3464.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3464.0	0.0	3464.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6928.0	0.0	6928.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	1.8
10°-20°	391.5	5.7
20°-30°	730.1	10.5
30°-40°	1222.4	17.6
40°-50°	1902.2	27.5
50°-60°	1975.1	28.5
60°-70°	418.9	6.0
70°-80°	137.9	2.0
80°-90°	26.3	0.4
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°	6928.0	100.0
0°-180°	6928.0	100.0

Coefficient of Utilization



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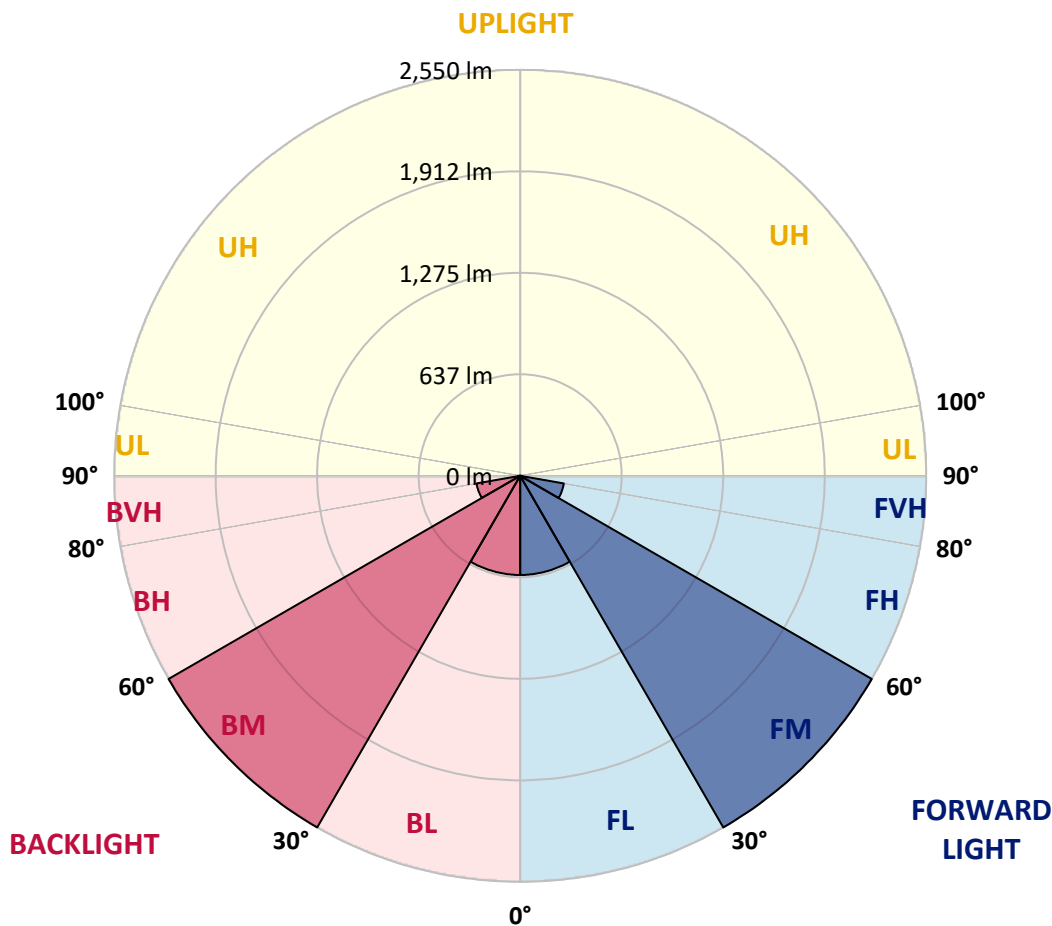
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	622.6	9.0			
FM (30°-60°)	2549.9	36.8			
FH (60°-80°)	278.4	4.0			G0/660
FVH (80°-90°)	13.1	0.2			G1/100
BL (0°-30°)	622.6	9.0	B2/1000		
BM (30°-60°)	2549.9	36.8	B3/5000		
BH (60°-80°)	278.4	4.0	B1/500		G0/660
BVH (80°-90°)	13.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1280.0	1274.2	1264.1	1271.6	1277.5	1264.9	1270.0	1272.5	1270.8	1264.1	1266.6
5°	1298.4	1295.1	1286.7	1292.6	1285.0	1285.0	1280.0	1273.3	1283.4	1281.7	1285.9
7.5°	1298.4	1294.3	1311.0	1300.1	1303.5	1303.5	1295.1	1288.4	1293.4	1285.9	1281.7
10°	1324.4	1330.2	1322.7	1325.2	1323.6	1329.4	1316.9	1312.7	1308.5	1306.0	1300.9
12.5°	1355.4	1351.2	1353.7	1352.0	1357.9	1342.8	1335.3	1326.1	1333.6	1322.7	1330.2
15°	1380.5	1378.0	1380.5	1387.2	1381.3	1380.5	1367.1	1357.9	1346.2	1348.7	1336.9
17.5°	1414.8	1412.3	1413.1	1419.0	1418.1	1414.0	1403.9	1386.3	1382.2	1375.5	1367.9
20°	1465.9	1461.7	1460.0	1462.5	1466.7	1470.1	1450.0	1443.3	1429.0	1418.1	1405.6
22.5°	1509.4	1507.7	1514.4	1503.5	1512.7	1522.8	1503.5	1500.2	1465.0	1459.2	1445.8
25°	1569.7	1567.2	1563.0	1578.9	1589.8	1588.9	1570.5	1552.1	1525.3	1518.6	1518.6
27.5°	1633.3	1619.1	1640.8	1645.0	1664.3	1670.1	1654.2	1627.4	1602.3	1588.1	1591.4
30°	1712.8	1699.4	1704.5	1734.6	1759.7	1781.5	1741.3	1701.9	1666.8	1641.7	1637.5
32.5°	1792.4	1779.0	1794.0	1823.3	1873.6	1906.2	1866.9	1798.2	1757.2	1720.4	1727.9
35°	1856.8	1866.9	1891.1	1935.5	1987.4	2040.2	1977.4	1924.6	1866.0	1825.0	1830.9
37.5°	1960.6	1991.6	2010.9	2061.9	2135.6	2190.0	2124.7	2056.1	1993.3	1939.7	1921.3
40°	2096.2	2117.2	2138.9	2199.2	2286.3	2340.7	2278.8	2189.2	2127.2	2072.0	2069.5
42.5°	2245.3	2265.4	2288.0	2361.6	2413.5	2454.6	2397.6	2349.9	2281.3	2237.7	2235.2
45°	2418.6	2404.3	2429.4	2478.0	2521.5	2548.3	2511.5	2488.0	2438.6	2398.5	2394.3
47.5°	2534.1	2521.5	2566.7	2610.3	2617.0	2587.7	2595.2	2617.0	2565.1	2498.9	2519.9
50°	2601.1	2601.1	2631.2	2671.4	2658.8	2621.1	2680.6	2682.3	2630.4	2571.8	2571.8
52.5°	2484.7	2510.6	2596.0	2727.5	2769.3	2780.2	2766.8	2709.9	2574.3	2454.6	2448.7
55°	2164.9	2159.0	2274.6	2575.9	2819.6	2948.5	2777.7	2515.7	2240.2	2105.5	2092.1
57.5°	1408.1	1414.8	1587.3	1894.5	2334.0	2574.3	2286.3	1917.9	1587.3	1401.4	1419.0
60°	633.7	656.3	761.0	990.4	1367.9	1563.8	1371.3	1040.6	798.7	693.2	702.4
62.5°	364.2	368.4	372.5	442.0	582.7	689.0	605.3	467.1	411.9	393.5	393.5
65°	307.2	304.7	305.6	311.4	326.5	348.3	339.0	326.5	328.2	326.5	324.0
67.5°	261.2	264.5	262.0	266.2	267.1	270.4	276.3	281.3	282.1	283.8	282.1
70°	214.3	215.2	216.8	220.2	221.0	223.5	231.9	236.1	238.6	238.6	241.9
72.5°	164.1	163.2	164.9	168.3	172.5	173.3	180.8	186.7	190.0	185.8	186.7
75°	108.0	108.8	111.3	113.9	119.7	125.6	128.1	133.9	134.8	136.5	132.3
77.5°	64.5	66.1	68.6	73.7	78.7	83.7	89.6	93.8	95.4	93.8	88.7
80°	41.9	41.9	45.2	49.4	55.3	59.4	62.8	66.1	68.6	66.1	64.5
82.5°	26.0	26.0	30.1	35.2	39.3	41.9	46.9	51.1	53.6	51.9	49.4
85°	13.4	14.2	17.6	21.8	25.1	26.8	26.0	23.4	20.9	20.1	18.4
87.5°	4.2	4.2	5.0	5.0	4.2	4.2	5.0	4.2	5.0	5.0	5.0
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)