

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: P526822

Luminaire Tested: **GALN-SA1D-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526822
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-SA1D-740-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6640 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

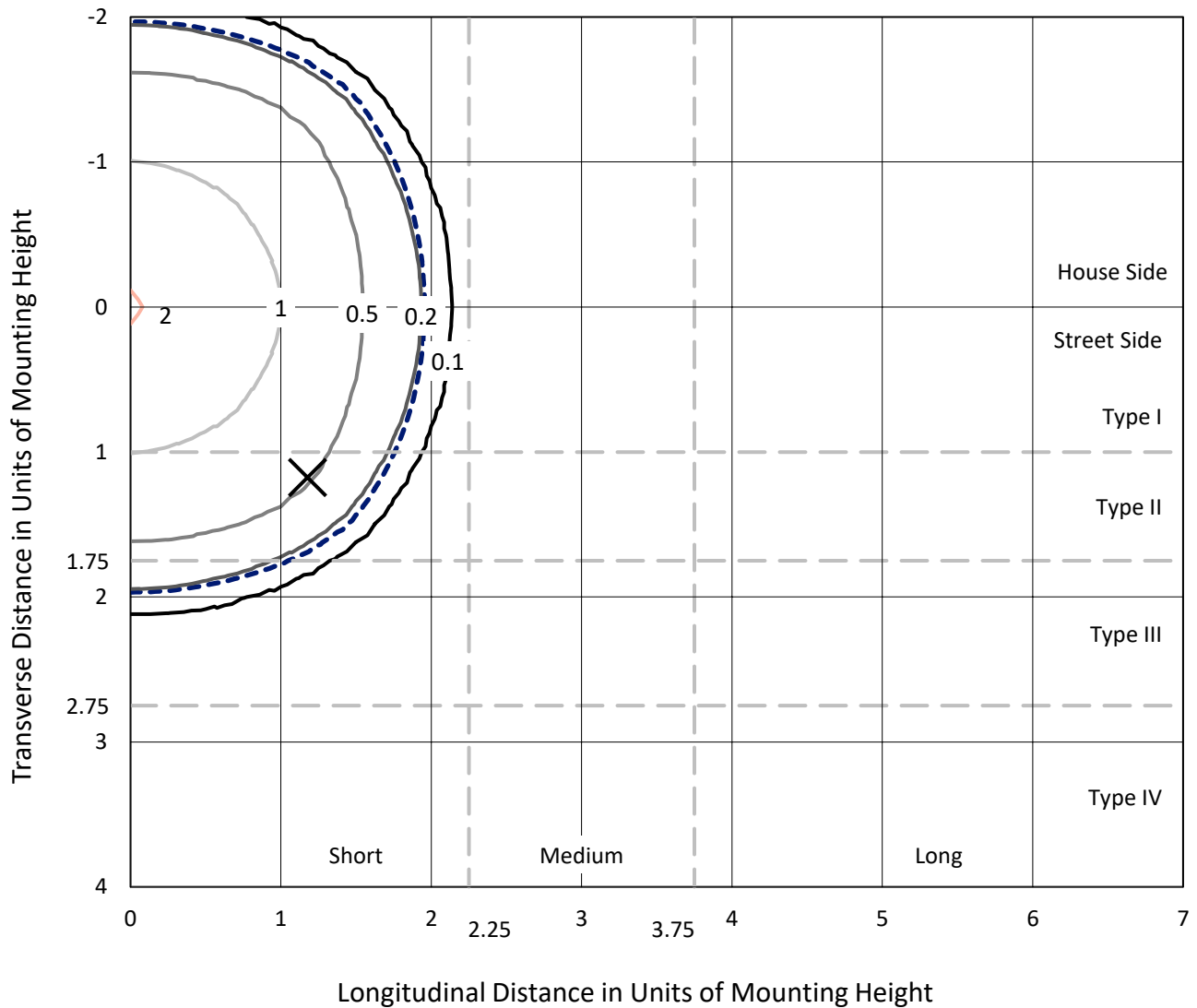
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526822
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Iso-Footcandle Lines of Horizontal Illumination

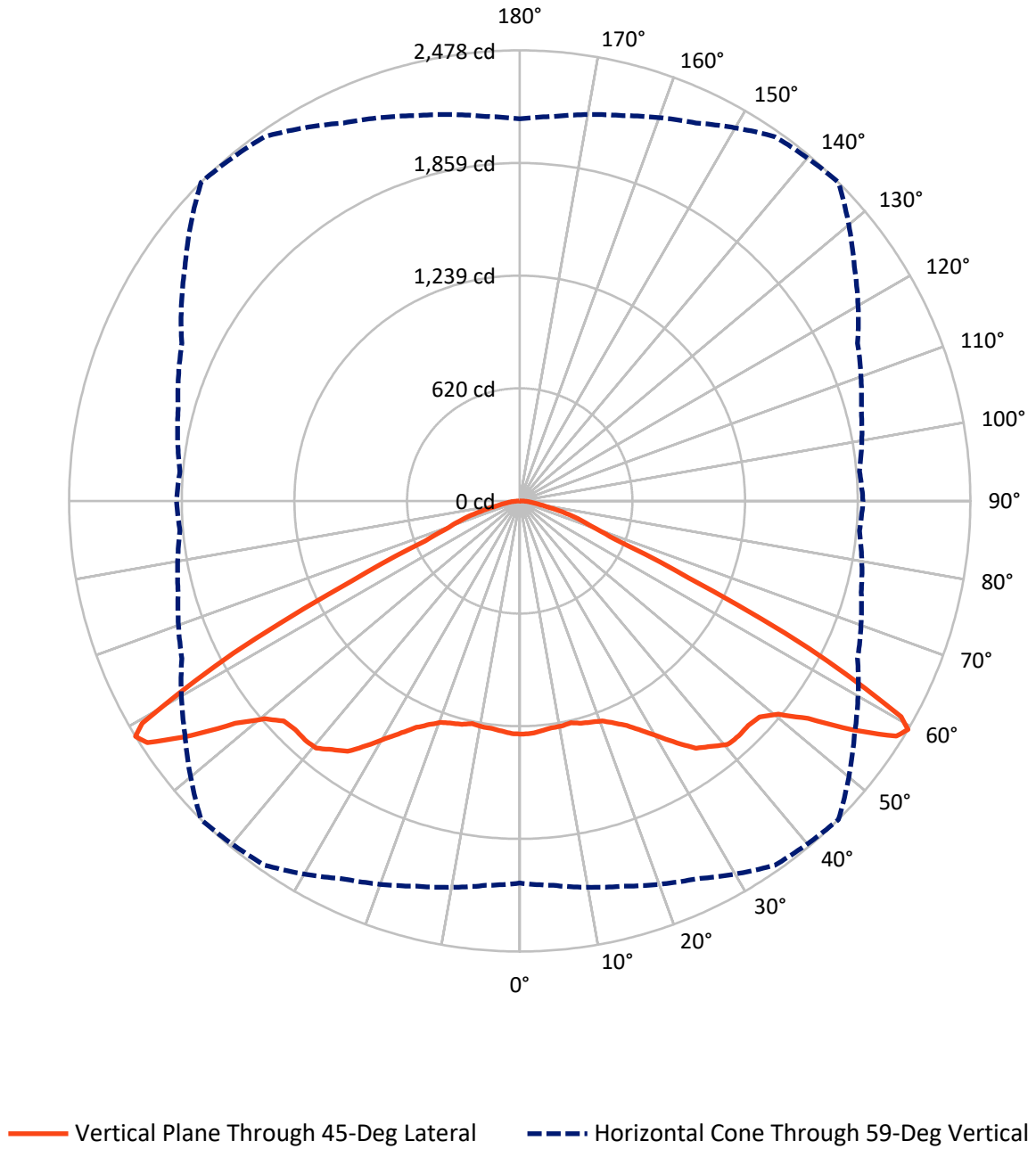
× Max cd
 - - - 1/2 Max cd



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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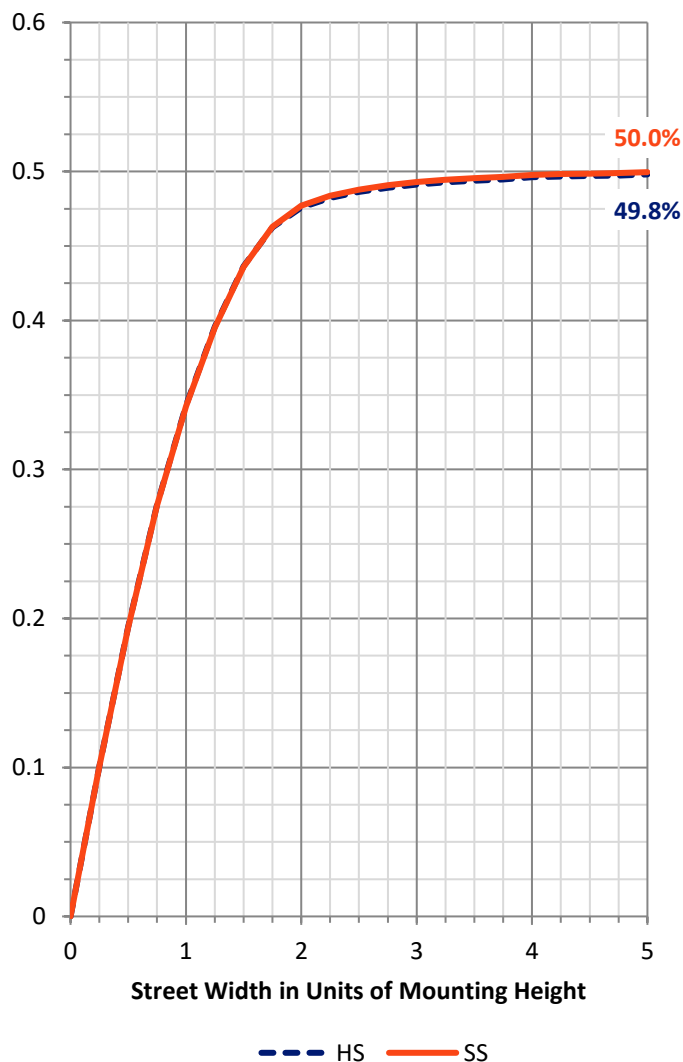
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3320.0	0.0	3320.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3320.0	0.0	3320.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6640.0	0.0	6640.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	1.8
10°-20°	359.5	5.4
20°-30°	627.8	9.5
30°-40°	1002.7	15.1
40°-50°	1365.9	20.6
50°-60°	1847.0	27.8
60°-70°	1012.9	15.3
70°-80°	259.1	3.9
80°-90°	44.2	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°	6640.0	100.0
0°-180°	6640.0	100.0

Coefficient of Utilization



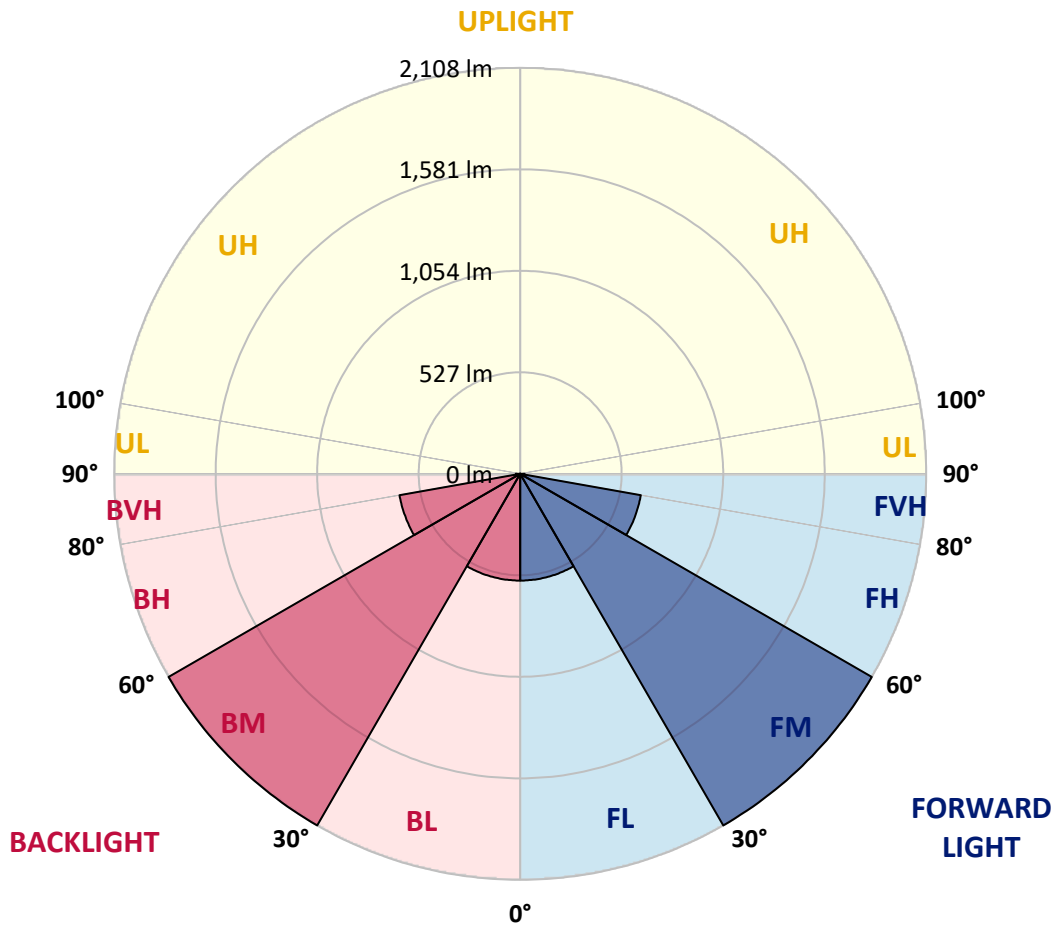
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 CATALOG NUMBER: GALN-SA1D-740-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	554.1	8.3			
FM (30°-60°)	2107.8	31.7			
FH (60°-80°)	636.0	9.6			G0/660
FVH (80°-90°)	22.1	0.3			G1/100
BL (0°-30°)	554.1	8.3	B2/1000		
BM (30°-60°)	2107.8	31.7	B2/2500		
BH (60°-80°)	636.0	9.6	B2/1000		G0/660
BVH (80°-90°)	22.1	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°	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5
2.5°	1274.9	1284.2	1277.4	1283.4	1282.5	1280.0	1275.7	1273.2	1269.8	1274.9	1266.4
5°	1269.8	1277.4	1285.1	1274.9	1274.9	1269.8	1267.2	1262.1	1262.1	1261.3	1260.4
7.5°	1278.3	1270.6	1267.2	1268.9	1270.6	1259.6	1267.2	1257.0	1248.5	1254.4	1261.3
10°	1270.6	1274.0	1261.3	1267.2	1257.9	1259.6	1254.4	1261.3	1251.9	1251.9	1251.9
12.5°	1278.3	1268.9	1273.2	1268.9	1266.4	1251.9	1258.7	1251.0	1250.2	1258.7	1251.0
15°	1293.6	1278.3	1274.9	1266.4	1268.9	1268.9	1262.1	1263.0	1253.6	1258.7	1260.4
17.5°	1288.5	1280.0	1277.4	1267.2	1275.7	1278.3	1265.5	1257.0	1263.0	1262.1	1261.3
20°	1292.7	1296.1	1293.6	1295.3	1298.7	1291.9	1280.0	1268.1	1260.4	1271.5	1270.6
22.5°	1320.0	1316.6	1314.9	1313.2	1319.1	1325.9	1309.8	1291.0	1291.0	1298.7	1302.1
25°	1342.1	1341.3	1340.4	1348.1	1368.5	1368.5	1348.1	1324.2	1318.3	1323.4	1319.1
27.5°	1374.4	1383.8	1380.4	1394.0	1423.8	1430.6	1403.4	1375.3	1359.1	1353.2	1360.8
30°	1448.5	1437.4	1440.0	1454.4	1480.8	1503.0	1461.3	1431.5	1409.3	1408.5	1411.9
32.5°	1497.8	1506.4	1514.0	1527.6	1569.3	1586.4	1536.1	1487.6	1474.0	1466.4	1468.9
35°	1596.6	1588.9	1587.2	1600.8	1642.5	1670.6	1607.6	1565.1	1547.2	1564.2	1564.2
37.5°	1690.2	1668.9	1652.7	1670.6	1708.9	1712.3	1658.7	1635.7	1626.4	1645.9	1645.1
40°	1734.4	1732.7	1695.3	1705.5	1756.6	1761.7	1711.5	1684.2	1682.5	1708.1	1733.6
42.5°	1780.4	1764.2	1726.8	1733.6	1765.1	1766.8	1719.1	1711.5	1730.2	1754.9	1756.6
45°	1788.1	1774.4	1750.6	1733.6	1756.6	1761.7	1733.6	1738.7	1740.4	1770.2	1770.2
47.5°	1803.4	1801.7	1788.1	1775.3	1779.5	1775.3	1757.4	1765.1	1790.6	1805.1	1798.3
50°	1845.9	1828.1	1841.7	1830.6	1831.5	1843.4	1827.2	1834.9	1829.8	1817.0	1808.5
52.5°	1939.5	1931.0	1942.9	1950.6	1959.1	1986.3	1967.6	1926.8	1888.5	1854.4	1853.6
55°	2076.6	2082.5	2105.5	2144.6	2177.8	2221.2	2131.0	2033.2	1971.9	1918.3	1921.7
57.5°	2205.9	2201.7	2233.2	2322.5	2419.5	2441.7	2264.6	2125.1	2025.5	1991.5	1977.0
59°	2102.1	2122.5	2194.0	2293.6	2445.9	2478.3	2246.8	2050.2	1944.6	1875.7	1887.6
60°	1938.7	1946.3	2010.2	2148.9	2354.9	2410.2	2126.8	1934.4	1794.0	1754.0	1771.9
62.5°	1370.2	1364.2	1410.2	1523.4	1708.1	1782.9	1581.2	1445.9	1357.4	1313.2	1323.4
65°	728.5	755.7	774.5	845.1	943.0	1022.1	938.7	880.0	830.6	794.0	793.2
67.5°	491.9	488.5	492.8	508.9	542.1	564.2	562.5	532.8	528.5	521.7	529.4
70°	414.5	412.8	405.1	405.1	411.9	417.0	423.0	426.4	433.2	441.7	440.8
72.5°	336.2	331.9	326.8	324.2	332.8	335.3	343.0	346.4	352.3	351.5	359.1
75°	222.1	222.1	228.1	234.9	237.4	242.5	243.4	253.6	253.6	255.3	248.5
77.5°	124.3	120.8	125.1	131.9	137.9	147.2	156.6	164.3	168.5	166.8	166.8
80°	72.3	72.3	76.6	84.3	91.9	100.4	107.2	113.2	117.4	115.7	112.3
82.5°	45.1	45.1	49.4	57.0	63.0	68.1	77.4	85.1	90.2	88.5	84.3
85°	23.0	23.0	28.1	33.2	40.9	44.3	43.4	40.0	39.1	34.9	34.9
87.5°	6.0	6.0	8.5	9.4	7.7	8.5	8.5	8.5	8.5	8.5	9.4
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)