

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: P526792

Luminaire Tested: **GALN-SA1D-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-735-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6436 lumens
Efficiency: N/A
Efficacy: 99.0 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

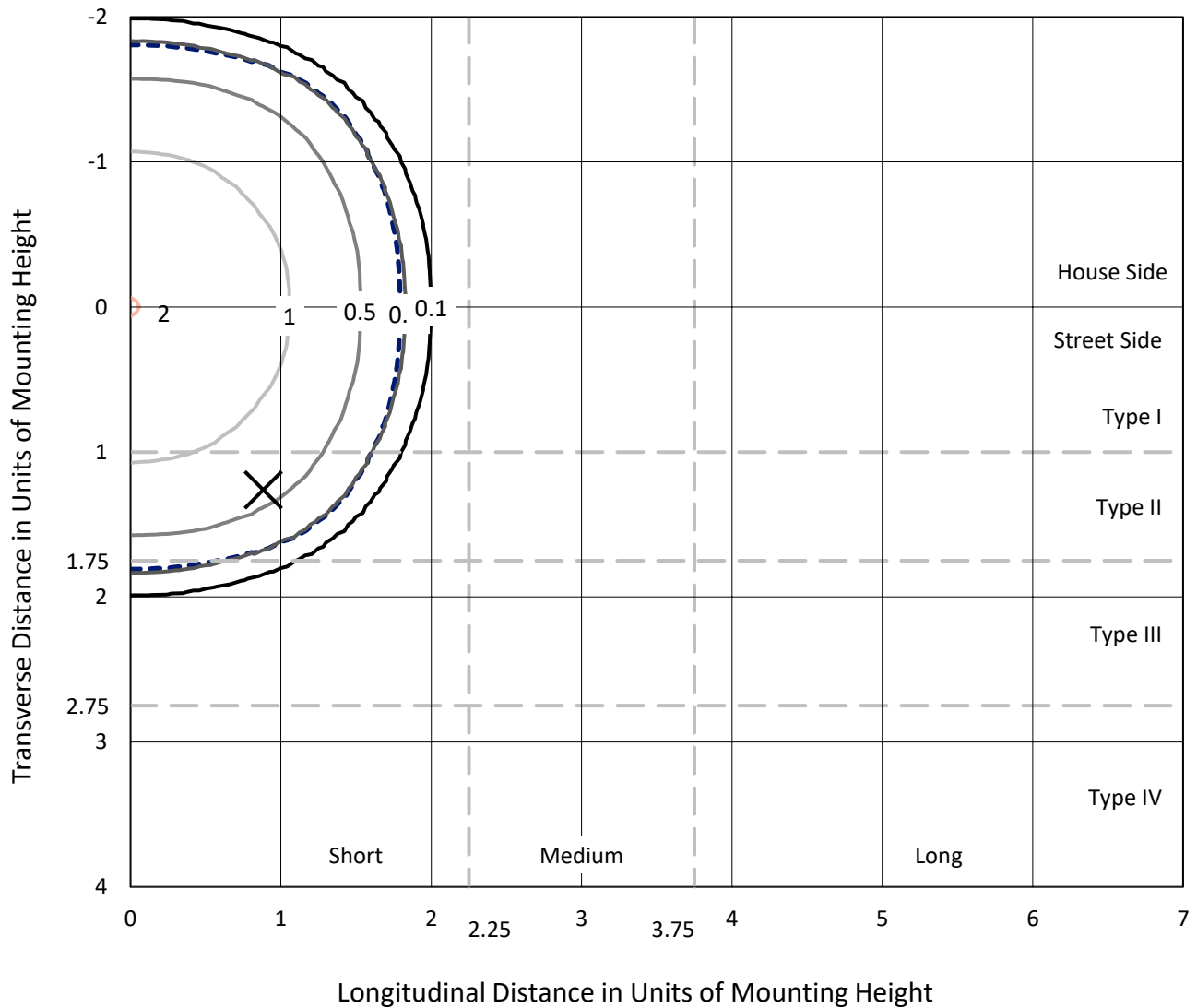
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

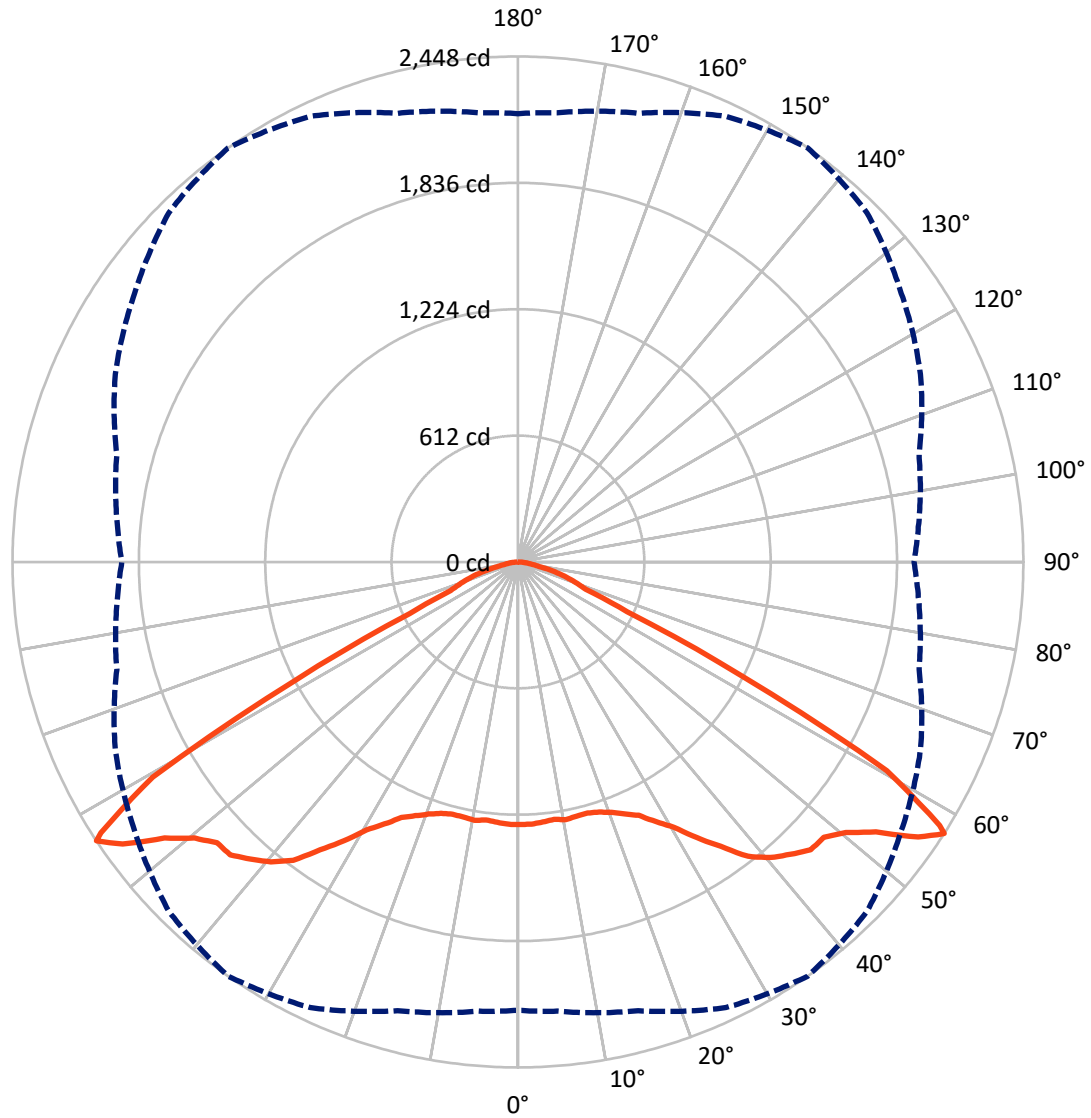
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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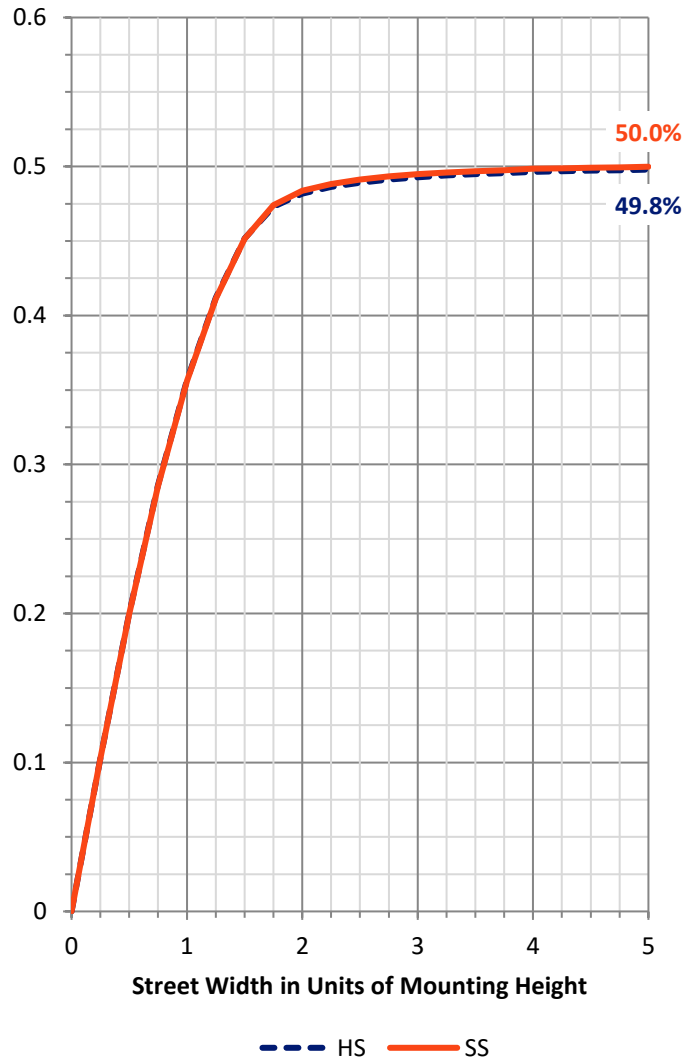
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3218.0	0.0	3218.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3218.0	0.0	3218.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6436.0	0.0	6436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	1.9
10°-20°	356.9	5.5
20°-30°	623.3	9.7
30°-40°	1021.3	15.9
40°-50°	1497.5	23.3
50°-60°	1886.2	29.3
60°-70°	709.4	11.0
70°-80°	188.6	2.9
80°-90°	32.3	0.5
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°	6436.0	100.0
0°-180°	6436.0	100.0

Coefficient of Utilization



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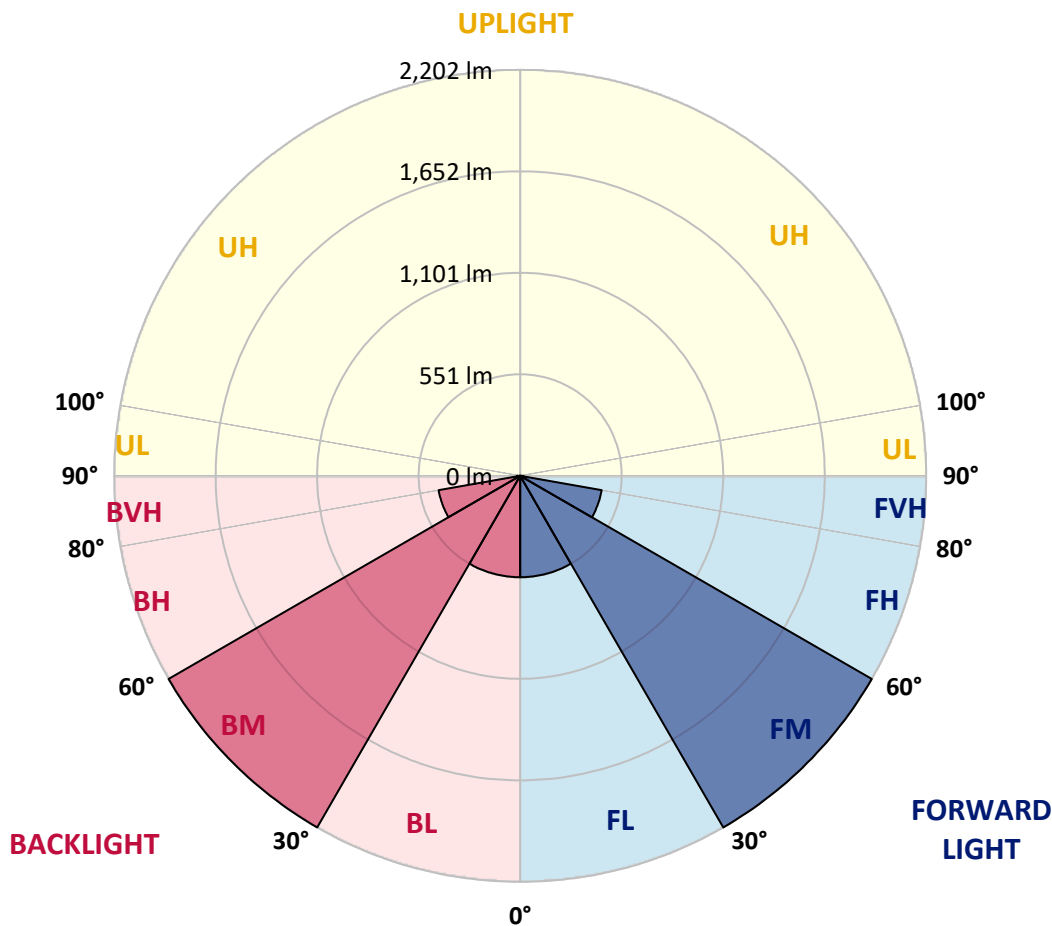
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	550.3	8.6			
FM (30°-60°)	2202.5	34.2			
FH (60°-80°)	449.0	7.0			G0/660
FVH (80°-90°)	16.2	0.3			G1/100
BL (0°-30°)	550.3	8.6	B2/1000		
BM (30°-60°)	2202.5	34.2	B2/2500		
BH (60°-80°)	449.0	7.0	B1/500		G0/660
BVH (80°-90°)	16.2	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°	1271.1	1271.1	1271.1	1271.1	1271.1	1271.1	1271.1	1271.1	1271.1	1271.1	1271.1
2.5°	1264.7	1277.4	1271.9	1268.7	1271.1	1267.1	1260.8	1267.9	1266.3	1260.0	1257.6
5°	1261.5	1271.1	1264.7	1271.1	1264.7	1275.8	1272.6	1260.8	1275.0	1261.5	1266.3
7.5°	1259.2	1262.3	1263.9	1260.8	1258.4	1271.9	1264.7	1259.2	1251.2	1248.9	1252.8
10°	1253.6	1261.5	1249.7	1265.5	1268.7	1259.2	1259.2	1248.9	1242.5	1238.6	1252.0
12.5°	1267.9	1254.4	1252.8	1260.8	1263.1	1267.1	1256.0	1250.4	1238.6	1240.1	1237.8
15°	1251.2	1256.8	1257.6	1259.2	1261.5	1271.1	1260.8	1248.9	1244.1	1227.5	1229.0
17.5°	1257.6	1252.0	1257.6	1275.8	1272.6	1279.8	1268.7	1250.4	1239.3	1229.8	1242.5
20°	1268.7	1266.3	1268.7	1290.9	1294.9	1301.2	1291.7	1275.0	1253.6	1242.5	1248.9
22.5°	1280.6	1279.0	1280.6	1302.0	1325.0	1332.9	1323.4	1284.5	1273.4	1252.8	1245.7
25°	1302.0	1303.6	1320.2	1344.0	1359.1	1374.1	1356.7	1328.9	1293.3	1280.6	1265.5
27.5°	1349.6	1353.5	1363.0	1397.9	1424.1	1437.6	1413.0	1374.9	1352.7	1326.6	1322.6
30°	1408.2	1408.2	1424.9	1455.0	1490.7	1511.3	1481.2	1436.0	1409.0	1394.8	1386.0
32.5°	1485.9	1477.2	1483.6	1536.7	1592.2	1609.6	1569.2	1513.7	1470.9	1451.9	1445.5
35°	1552.6	1558.1	1572.4	1629.5	1691.3	1731.8	1668.3	1596.2	1552.6	1535.1	1531.9
37.5°	1639.0	1648.5	1655.6	1734.1	1808.7	1823.7	1762.7	1704.8	1651.7	1637.4	1629.5
40°	1761.1	1754.7	1757.1	1815.0	1882.4	1891.9	1831.7	1790.4	1746.8	1738.1	1738.1
42.5°	1861.8	1854.7	1862.6	1884.0	1935.5	1928.4	1895.1	1865.0	1846.7	1837.2	1846.7
45°	1922.8	1921.3	1935.5	1951.4	1987.9	1964.1	1937.9	1942.7	1925.2	1909.4	1908.6
47.5°	1989.5	1979.1	1996.6	2020.4	1992.6	1981.5	1979.9	1990.2	1984.7	1956.9	1948.2
50°	2022.0	2018.0	2045.8	2073.5	2058.4	2033.1	2038.6	2055.3	1983.9	1946.6	1925.2
52.5°	2109.2	2110.0	2163.1	2178.2	2171.8	2134.6	2146.5	2101.3	2017.2	1964.9	1967.3
55°	2246.4	2240.8	2300.3	2344.7	2351.8	2304.2	2247.2	2183.7	2078.3	2025.1	2009.3
57°	2171.0	2183.7	2249.5	2381.2	2447.8	2391.5	2267.0	2151.2	2010.9	1946.6	1918.1
57.5°	2070.3	2090.9	2205.1	2337.5	2407.3	2402.6	2242.4	2090.9	1965.7	1865.8	1868.1
60°	1516.9	1520.8	1623.9	1834.0	2052.1	2056.9	1861.8	1661.2	1521.6	1413.0	1428.1
62.5°	800.1	818.3	859.5	1028.4	1217.1	1263.1	1145.0	1041.9	921.4	838.9	846.8
65°	423.4	421.0	440.9	488.4	581.2	605.0	589.1	507.5	465.4	452.0	452.8
67.5°	344.1	348.1	345.7	348.1	354.4	364.7	362.4	365.5	367.9	371.9	371.1
70°	291.8	291.8	293.4	294.2	294.2	298.9	304.5	314.8	315.6	319.5	321.1
72.5°	229.9	228.4	230.7	236.3	237.1	241.0	249.0	255.3	257.7	257.7	252.9
75°	156.2	157.8	161.0	165.7	170.5	177.6	184.0	187.9	189.5	187.1	184.8
77.5°	88.0	89.6	92.0	99.1	104.7	111.0	118.1	122.1	126.1	126.9	122.1
80°	52.3	52.3	56.3	61.8	68.2	74.5	80.9	85.6	87.2	87.2	84.8
82.5°	31.7	32.5	35.7	41.2	46.8	50.7	56.3	60.3	63.4	62.6	61.1
85°	16.7	16.7	19.8	24.6	28.5	32.5	32.5	30.1	28.5	24.6	23.0
87.5°	5.6	4.8	6.3	6.3	5.6	6.3	6.3	7.1	7.1	7.1	7.1
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)