

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: P526558

Luminaire Tested: **GALN-SA1C-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526558  
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-SA1C-735-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 1050mA 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: 5849 lumens  
Efficiency: N/A  
Efficacy: 102.6 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

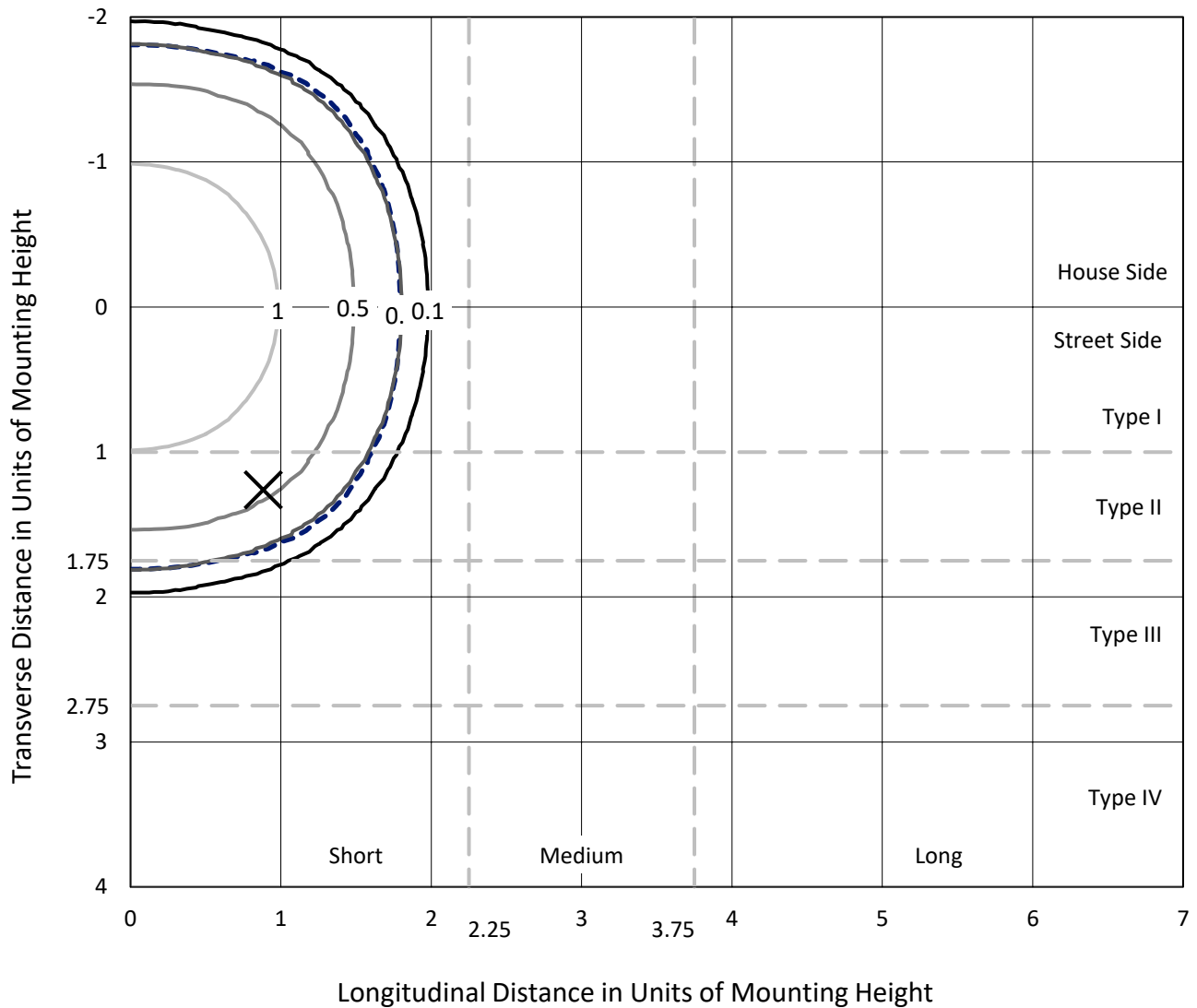
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

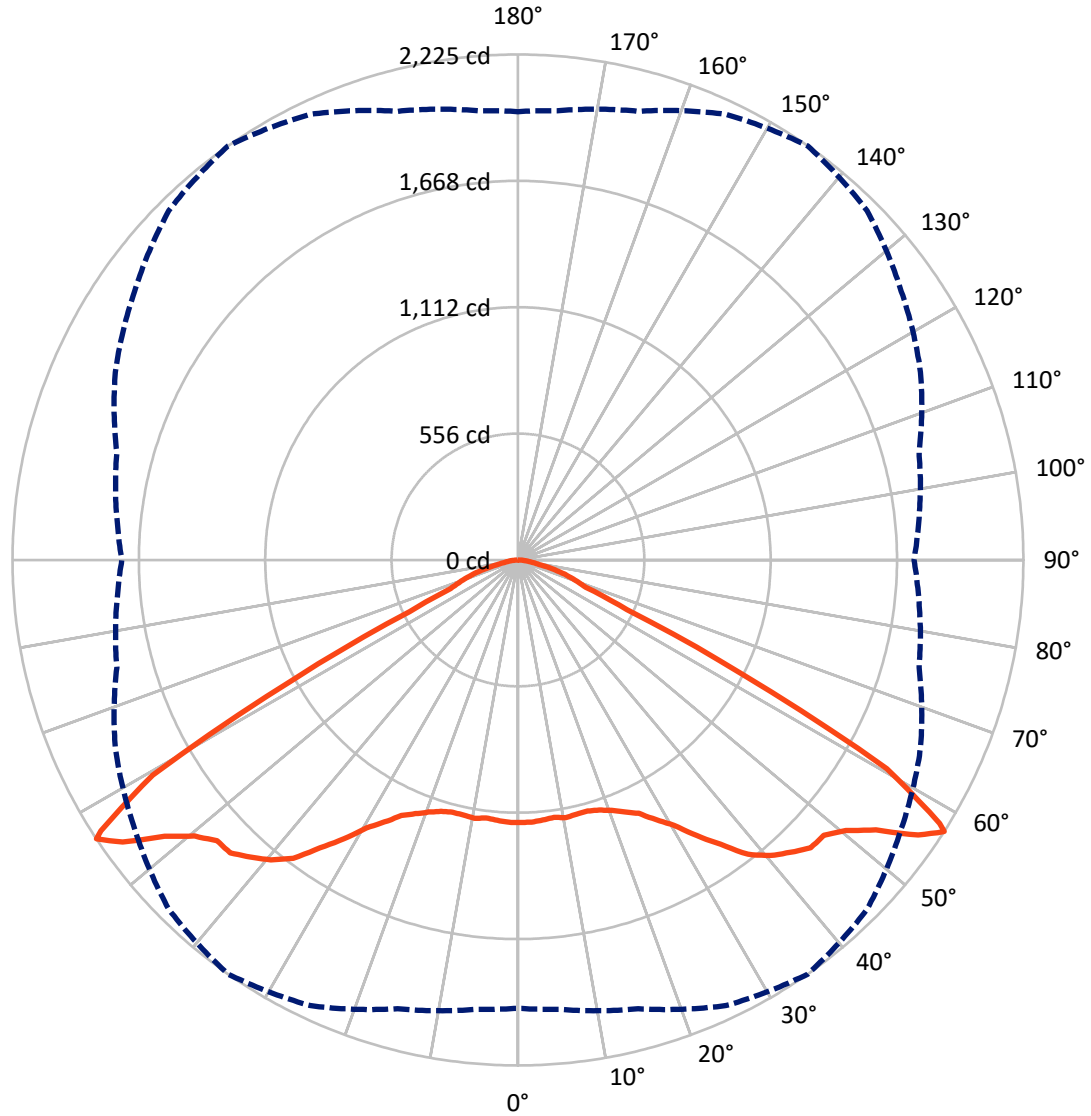
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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
<b>House Side</b>	Lumens	2924.5	0.0	2924.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2924.5	0.0	2924.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5849.0	0.0	5849.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.5	1.9
10°-20°	324.3	5.5
20°-30°	566.5	9.7
30°-40°	928.2	15.9
40°-50°	1360.9	23.3
50°-60°	1714.2	29.3
60°-70°	644.7	11.0
70°-80°	171.4	2.9
80°-90°	29.4	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°	5849.0	100.0
0°-180°	5849.0	100.0

**Coefficient of Utilization**



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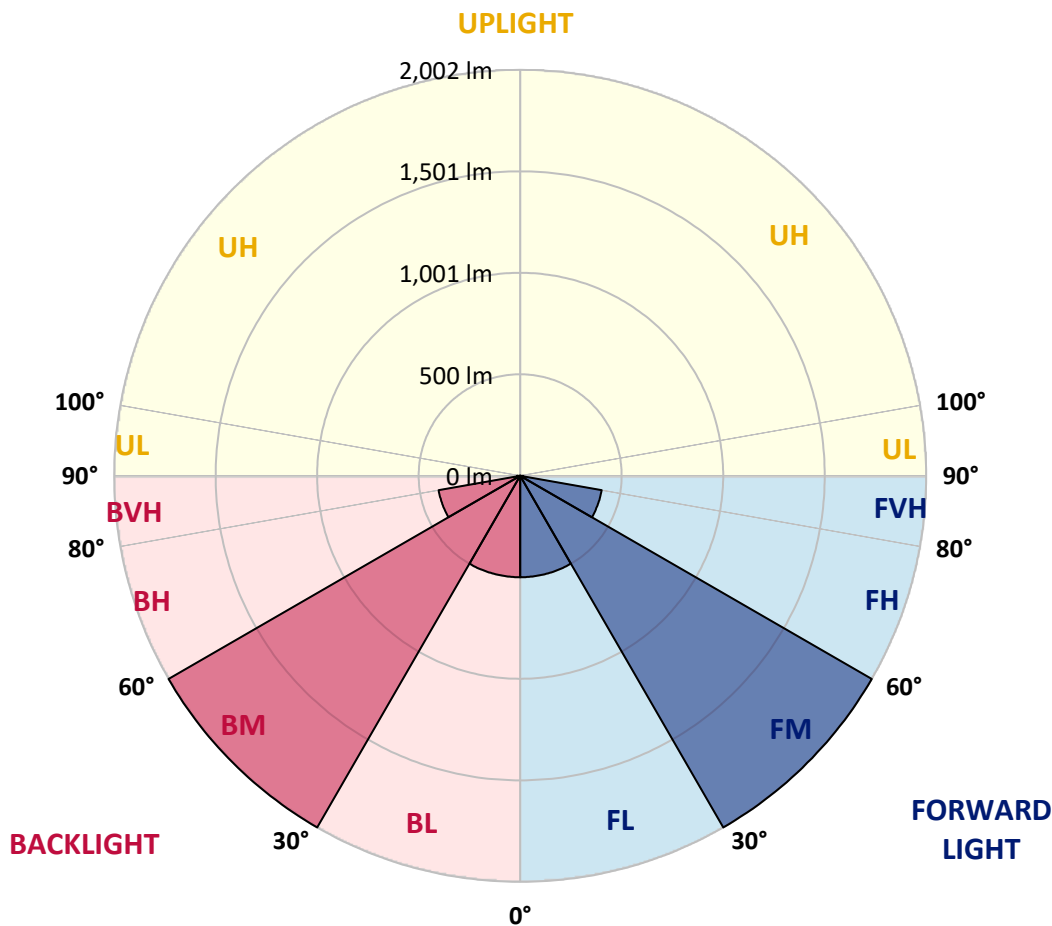
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	500.2	8.6			
FM (30°-60°)	2001.6	34.2			
FH (60°-80°)	408.0	7.0			G0/660
FVH (80°-90°)	14.7	0.3			G1/100
BL (0°-30°)	500.2	8.6	B2/1000		
BM (30°-60°)	2001.6	34.2	B2/2500		
BH (60°-80°)	408.0	7.0	B1/500		G0/660
BVH (80°-90°)	14.7	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°	1155.1	1155.1	1155.1	1155.1	1155.1	1155.1	1155.1	1155.1	1155.1	1155.1	1155.1
2.5°	1149.4	1160.9	1155.9	1153.0	1155.1	1151.5	1145.8	1152.3	1150.8	1145.0	1142.9
5°	1146.5	1155.1	1149.4	1155.1	1149.4	1159.5	1156.6	1145.8	1158.7	1146.5	1150.8
7.5°	1144.3	1147.2	1148.6	1145.8	1143.6	1155.9	1149.4	1144.3	1137.1	1135.0	1138.6
10°	1139.3	1146.5	1135.7	1150.1	1153.0	1144.3	1144.3	1135.0	1129.2	1125.6	1137.8
12.5°	1152.3	1140.0	1138.6	1145.8	1147.9	1151.5	1141.4	1136.4	1125.6	1127.0	1124.9
15°	1137.1	1142.2	1142.9	1144.3	1146.5	1155.1	1145.8	1135.0	1130.6	1115.5	1116.9
17.5°	1142.9	1137.8	1142.9	1159.5	1156.6	1163.1	1153.0	1136.4	1126.3	1117.7	1129.2
20°	1153.0	1150.8	1153.0	1173.1	1176.8	1182.5	1173.9	1158.7	1139.3	1129.2	1135.0
22.5°	1163.8	1162.3	1163.8	1183.2	1204.1	1211.3	1202.7	1167.4	1157.3	1138.6	1132.1
25°	1183.2	1184.7	1199.8	1221.4	1235.1	1248.8	1233.0	1207.7	1175.3	1163.8	1150.1
27.5°	1226.5	1230.1	1238.7	1270.4	1294.2	1306.5	1284.1	1249.5	1229.4	1205.6	1202.0
30°	1279.8	1279.8	1294.9	1322.3	1354.7	1373.5	1346.1	1305.0	1280.5	1267.5	1259.6
32.5°	1350.4	1342.5	1348.3	1396.5	1447.0	1462.8	1426.1	1375.6	1336.7	1319.4	1313.7
35°	1411.0	1416.0	1429.0	1480.8	1537.1	1573.8	1516.2	1450.6	1411.0	1395.1	1392.2
37.5°	1489.5	1498.1	1504.6	1576.0	1643.7	1657.4	1601.9	1549.3	1501.0	1488.1	1480.8
40°	1600.5	1594.7	1596.9	1649.5	1710.7	1719.4	1664.6	1627.1	1587.5	1579.6	1579.6
42.5°	1692.0	1685.5	1692.7	1712.2	1759.0	1752.5	1722.3	1694.9	1678.3	1669.6	1678.3
45°	1747.5	1746.0	1759.0	1773.4	1806.6	1784.9	1761.2	1765.5	1749.6	1735.2	1734.5
47.5°	1808.0	1798.6	1814.5	1836.1	1810.9	1800.8	1799.4	1808.7	1803.7	1778.5	1770.5
50°	1837.6	1833.9	1859.2	1884.4	1870.7	1847.6	1852.7	1867.8	1803.0	1769.1	1749.6
52.5°	1916.8	1917.5	1965.8	1979.5	1973.7	1939.9	1950.7	1909.6	1833.2	1785.7	1787.8
55°	2041.5	2036.4	2090.5	2130.8	2137.3	2094.1	2042.2	1984.6	1888.7	1840.4	1826.0
57°	1973.0	1984.6	2044.4	2164.0	2224.5	2173.4	2060.2	1955.0	1827.5	1769.1	1743.2
57.5°	1881.5	1900.2	2004.0	2124.4	2187.8	2183.4	2037.9	1900.2	1786.4	1695.6	1697.8
60°	1378.5	1382.1	1475.8	1666.8	1864.9	1869.3	1692.0	1509.7	1382.8	1284.1	1297.8
62.5°	727.1	743.7	781.1	934.6	1106.1	1147.9	1040.6	946.9	837.3	762.4	769.6
65°	384.8	382.6	400.7	443.9	528.2	549.8	535.4	461.2	423.0	410.7	411.5
67.5°	312.7	316.3	314.2	316.3	322.1	331.5	329.3	332.2	334.4	338.0	337.2
70°	265.2	265.2	266.6	267.3	267.3	271.7	276.7	286.1	286.8	290.4	291.8
72.5°	209.0	207.5	209.7	214.7	215.5	219.1	226.3	232.0	234.2	234.2	229.9
75°	142.0	143.4	146.3	150.6	154.9	161.4	167.2	170.8	172.2	170.1	167.9
77.5°	80.0	81.4	83.6	90.1	95.1	100.9	107.4	111.0	114.6	115.3	111.0
80°	47.6	47.6	51.2	56.2	62.0	67.7	73.5	77.8	79.3	79.3	77.1
82.5°	28.8	29.5	32.4	37.5	42.5	46.1	51.2	54.8	57.6	56.9	55.5
85°	15.1	15.1	18.0	22.3	25.9	29.5	29.5	27.4	25.9	22.3	20.9
87.5°	5.0	4.3	5.8	5.8	5.0	5.8	5.8	6.5	6.5	6.5	6.5
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)