

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: P526540

Luminaire Tested: **GALN-SA1C-730-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526540  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1C-730-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5677 lumens  
Efficiency: N/A  
Efficacy: 99.6 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

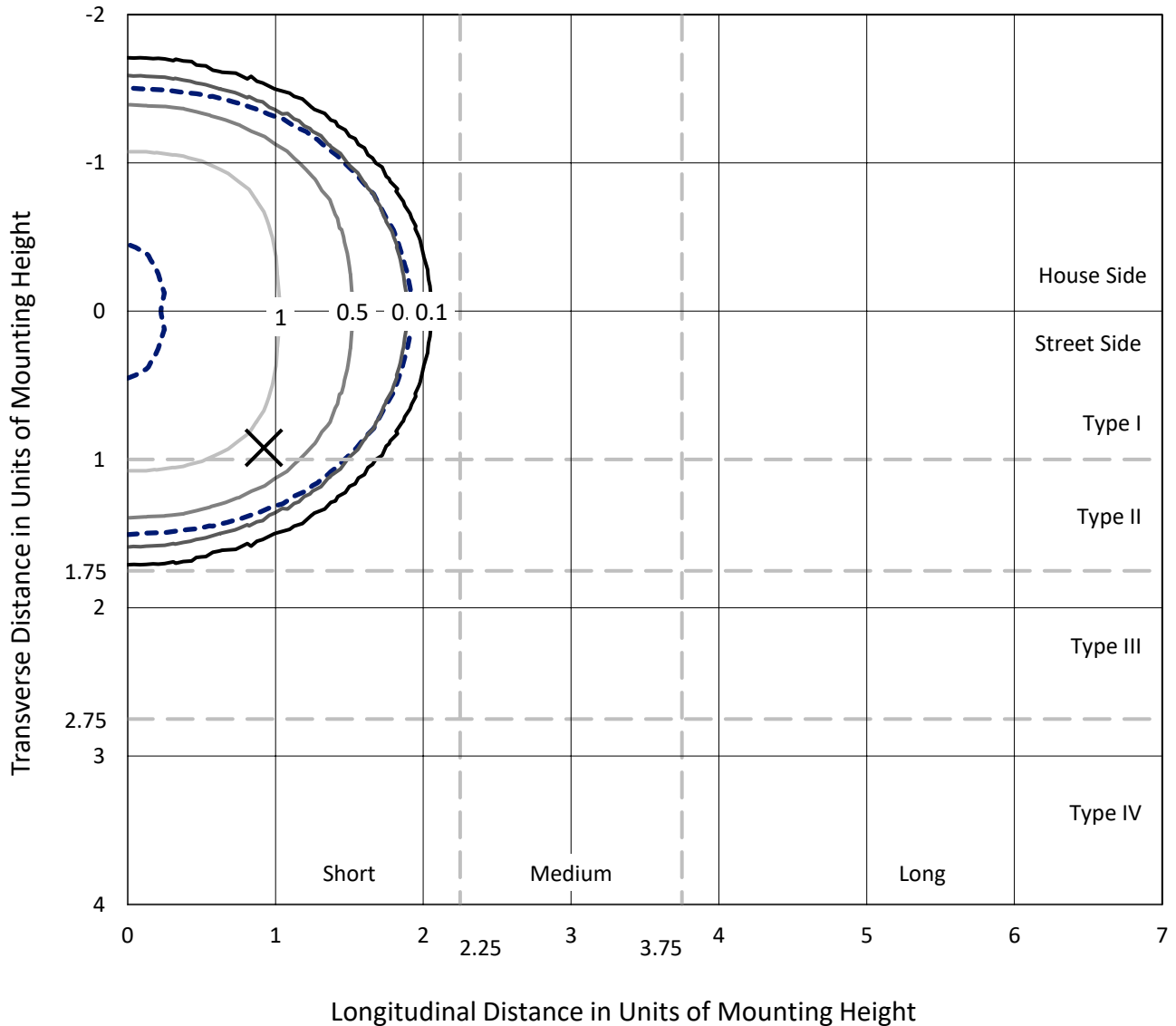
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

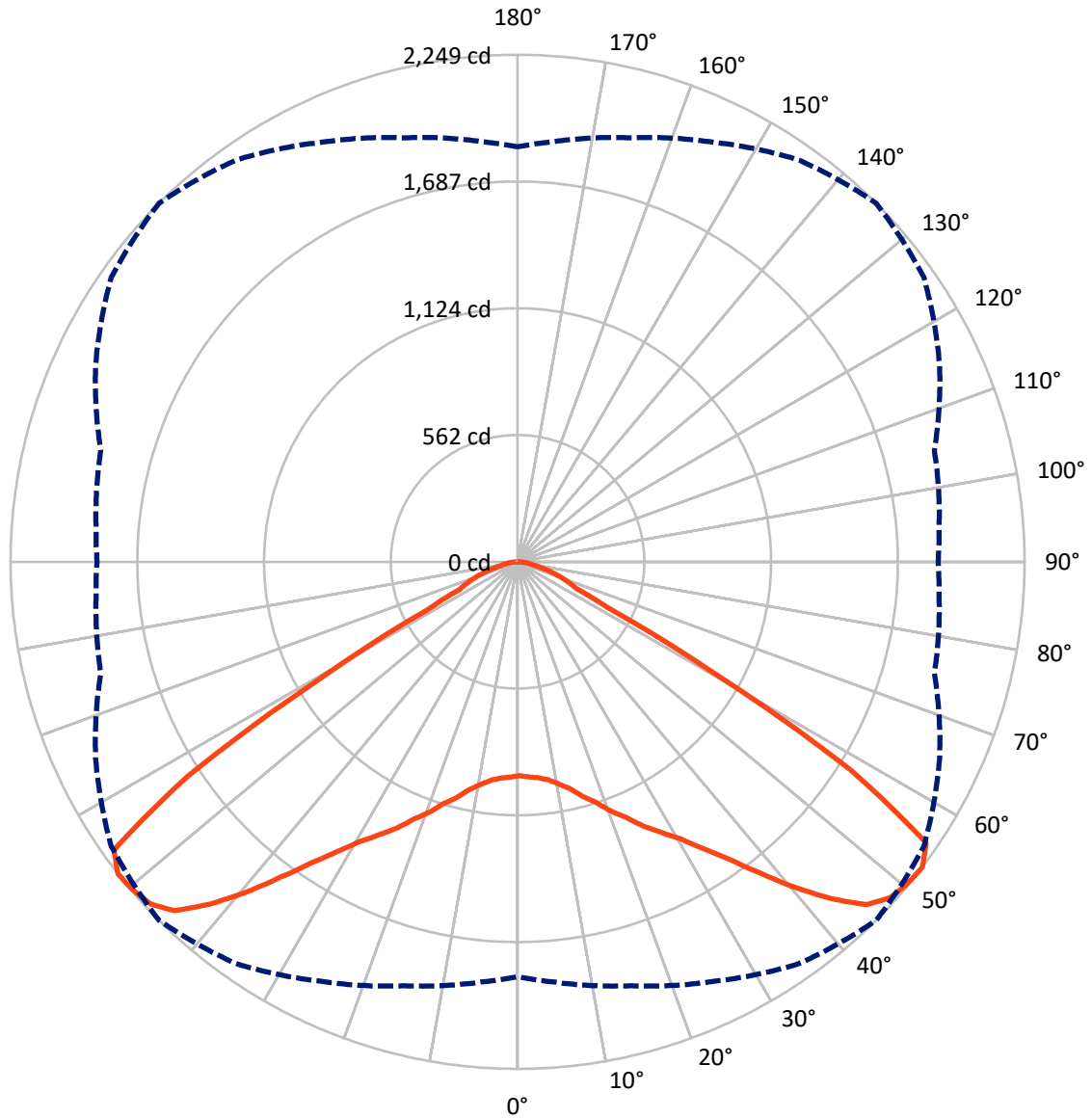
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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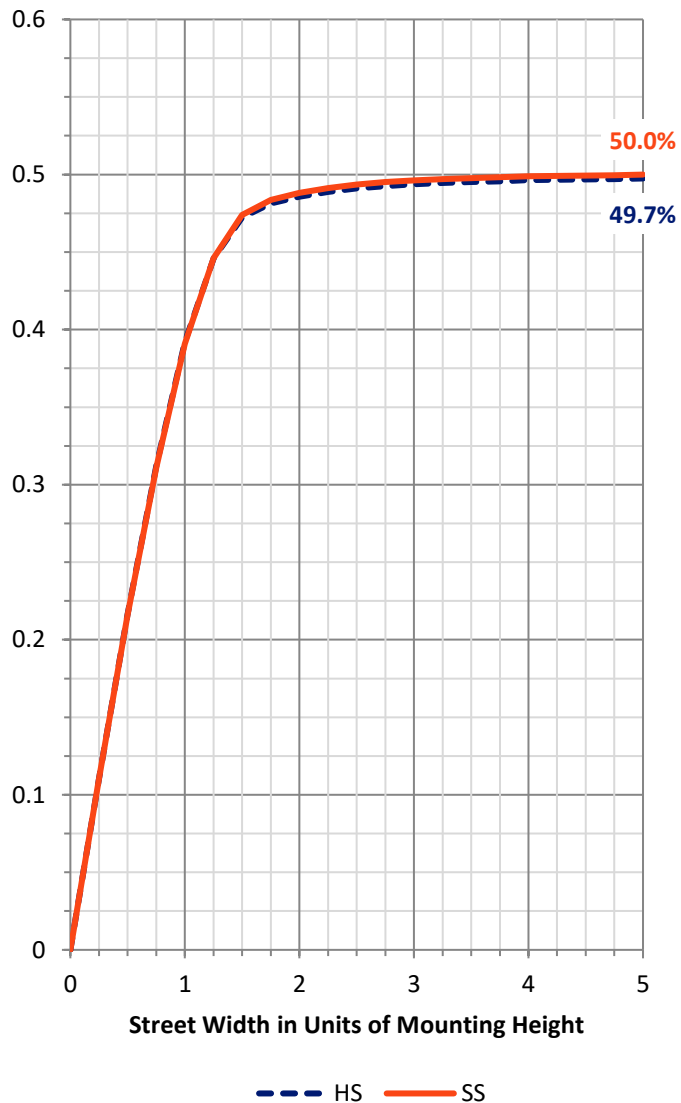
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2838.5	0.0	2838.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2838.5	0.0	2838.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5677.0	0.0	5677.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.2	1.6
10°-20°	306.4	5.4
20°-30°	583.3	10.3
30°-40°	1001.5	17.6
40°-50°	1539.4	27.1
50°-60°	1563.2	27.5
60°-70°	435.6	7.7
70°-80°	128.5	2.3
80°-90°	25.9	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°	5677.0	100.0
0°-180°	5677.0	100.0

**Coefficient of Utilization**



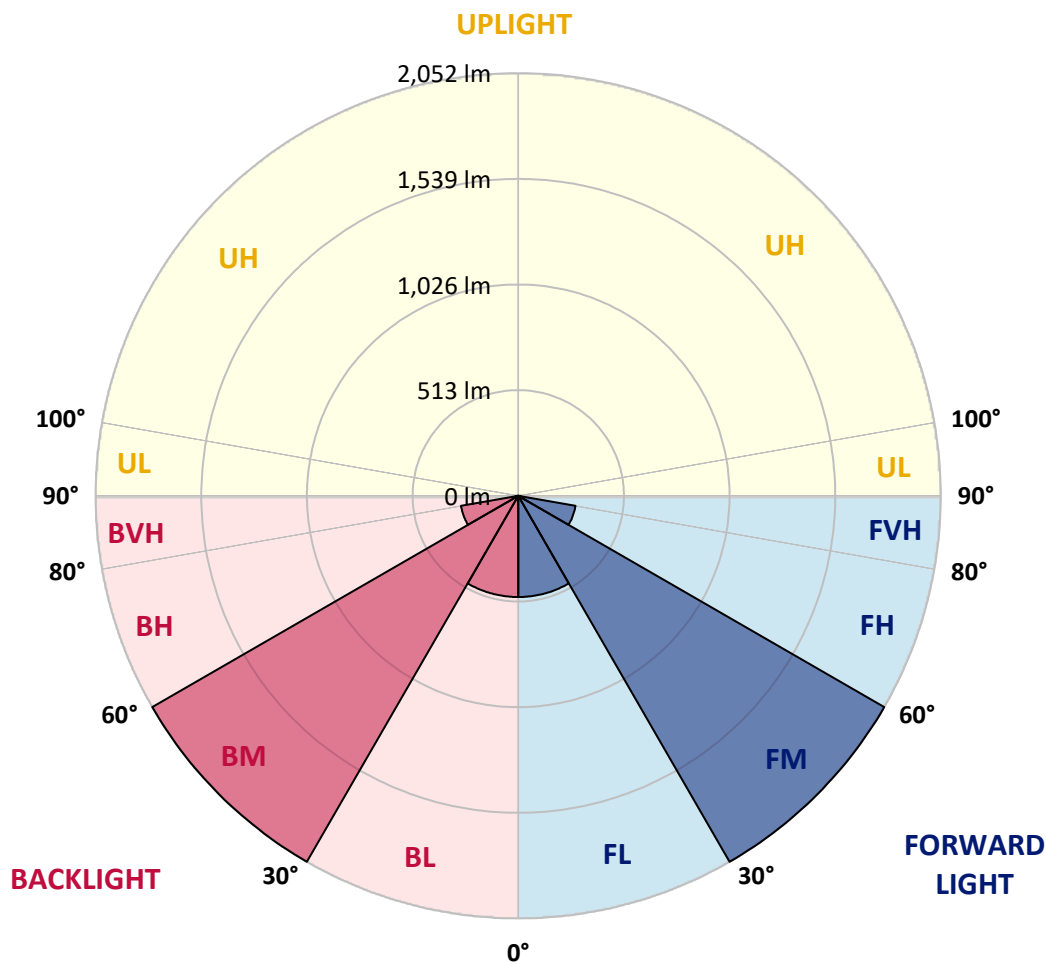
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	491.4	8.7			
FM (30°-60°)	2052.0	36.1			
FH (60°-80°)	282.1	5.0			G0/660
FVH (80°-90°)	12.9	0.2			G1/100
BL (0°-30°)	491.4	8.7	B1/500		
BM (30°-60°)	2052.0	36.1	B2/2500		
BH (60°-80°)	282.1	5.0	B1/500		G0/660
BVH (80°-90°)	12.9	0.2			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°	949.0	949.0	949.0	949.0	949.0	949.0	949.0	949.0	949.0	949.0	949.0
2.5°	951.1	941.2	944.8	946.9	956.0	955.3	953.2	956.0	958.8	959.6	958.1
5°	950.4	943.3	946.2	948.3	957.4	962.4	961.0	972.9	981.4	979.3	989.8
7.5°	944.8	949.0	945.5	956.0	963.8	975.8	988.4	999.7	1010.3	1022.3	1024.4
10°	957.4	957.4	963.8	972.2	992.7	1001.8	1020.1	1036.3	1056.8	1070.9	1065.2
12.5°	970.8	972.9	972.9	994.8	1011.7	1032.1	1049.0	1070.9	1099.8	1116.7	1125.1
15°	984.2	985.6	992.7	1022.3	1047.6	1080.0	1095.5	1115.3	1131.5	1163.2	1163.9
17.5°	996.2	1003.9	1025.1	1058.2	1089.9	1120.9	1145.5	1166.0	1180.1	1192.7	1189.9
20°	1041.3	1046.9	1068.8	1101.9	1149.1	1179.4	1187.8	1191.3	1200.5	1225.9	1218.1
22.5°	1085.0	1087.1	1107.5	1158.2	1191.3	1231.5	1240.7	1238.5	1242.1	1248.4	1259.7
25°	1130.0	1133.6	1161.7	1204.7	1251.2	1299.1	1306.9	1290.7	1285.7	1292.8	1293.5
27.5°	1187.8	1188.5	1224.5	1261.8	1314.6	1359.7	1371.7	1359.0	1335.8	1341.4	1350.6
30°	1261.1	1256.2	1292.1	1345.6	1401.3	1426.6	1447.1	1440.7	1415.4	1410.4	1402.7
32.5°	1345.6	1347.0	1379.4	1437.9	1474.6	1516.8	1538.7	1528.1	1511.9	1503.4	1508.4
35°	1464.7	1471.0	1492.9	1541.5	1600.7	1621.8	1656.3	1633.8	1591.5	1602.1	1611.2
37.5°	1562.6	1580.9	1621.8	1679.6	1714.8	1753.5	1766.2	1735.9	1704.9	1692.3	1722.5
40°	1712.7	1707.0	1752.1	1809.9	1862.0	1900.8	1884.6	1854.3	1777.5	1778.2	1786.7
42.5°	1841.6	1844.4	1878.9	1948.0	2019.1	2043.1	1991.7	1917.7	1832.5	1823.3	1841.6
45°	1950.1	1961.4	1981.1	2073.4	2143.1	2169.2	2074.1	1986.7	1872.6	1834.6	1864.9
47.5°	1988.9	2007.2	2050.1	2134.7	2203.7	2224.9	2148.8	2023.4	1909.9	1847.9	1864.2
50°	1994.5	1988.1	2058.6	2136.1	2196.7	2242.5	2175.6	2050.1	1900.8	1868.4	1863.4
52.5°	1840.2	1871.2	1946.6	2053.0	2175.6	2248.8	2199.5	2064.9	1913.5	1876.8	1864.9
55°	1489.4	1452.7	1590.1	1769.0	1994.5	2198.1	2191.1	2072.7	1921.2	1890.9	1874.7
57.5°	831.3	841.9	919.4	1113.8	1404.8	1743.0	1948.0	1991.0	1917.7	1900.1	1908.5
60°	384.7	388.2	421.3	512.2	692.5	988.4	1258.3	1532.3	1658.4	1683.8	1683.8
62.5°	286.7	285.3	293.8	310.0	348.0	454.4	606.6	824.3	997.6	1118.8	1150.5
65°	259.3	258.6	262.8	268.4	271.2	286.0	319.9	386.8	443.1	475.5	469.9
67.5°	226.9	226.2	227.6	231.1	236.0	243.8	252.2	266.3	286.0	284.6	281.1
70°	183.2	183.2	185.3	188.1	193.7	202.9	212.8	222.6	239.5	243.1	242.4
72.5°	135.3	133.2	137.4	143.0	148.7	159.9	170.5	179.7	191.6	195.2	193.7
75°	86.0	87.4	90.2	96.5	106.4	114.1	125.4	133.2	140.9	143.7	144.4
77.5°	47.9	49.3	54.2	62.0	71.9	80.3	90.2	96.5	101.5	102.2	102.9
80°	28.9	29.6	34.5	41.6	50.0	59.2	66.9	73.3	77.5	75.4	74.7
82.5°	17.6	18.3	22.5	28.9	35.9	43.0	51.4	57.1	61.3	58.5	55.7
85°	9.2	9.9	13.4	17.6	23.2	26.8	26.8	24.0	23.2	21.8	21.1
87.5°	2.8	2.8	3.5	4.2	3.5	4.2	4.9	5.6	5.6	6.3	5.6
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)