

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: P526898

Luminaire Tested: **GALN-SA1D-827-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526898  
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-SA1D-827-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5183 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

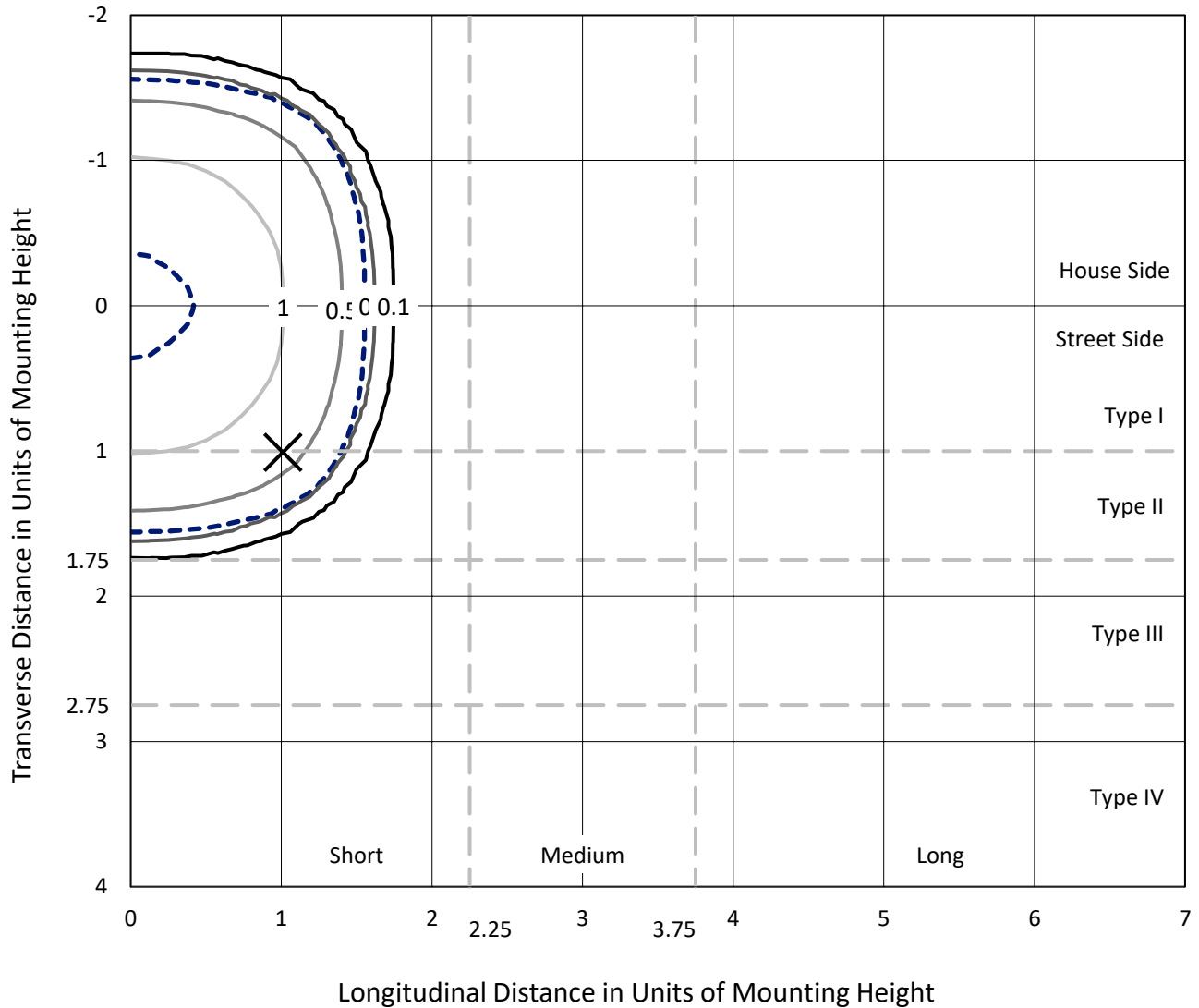
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

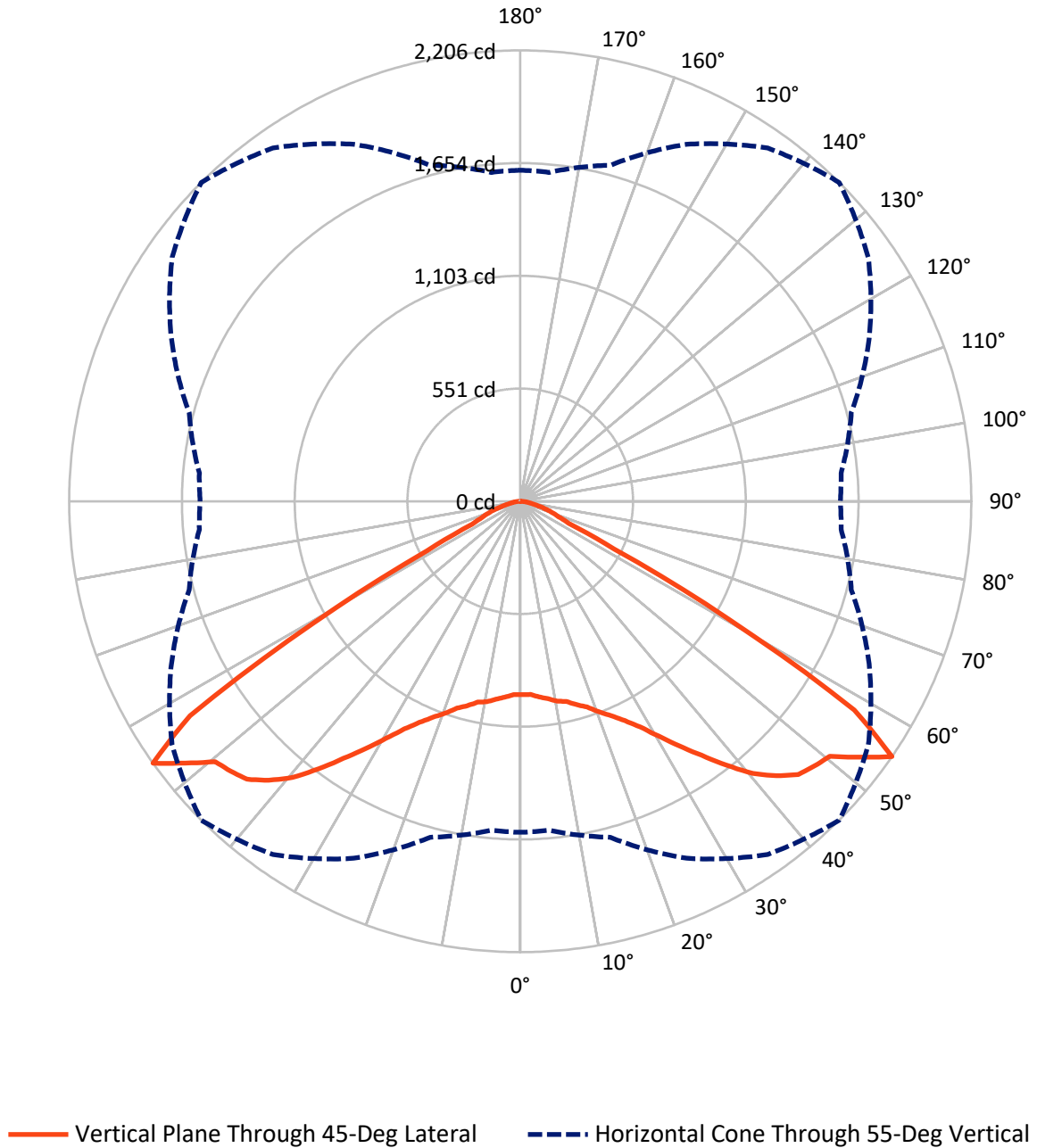
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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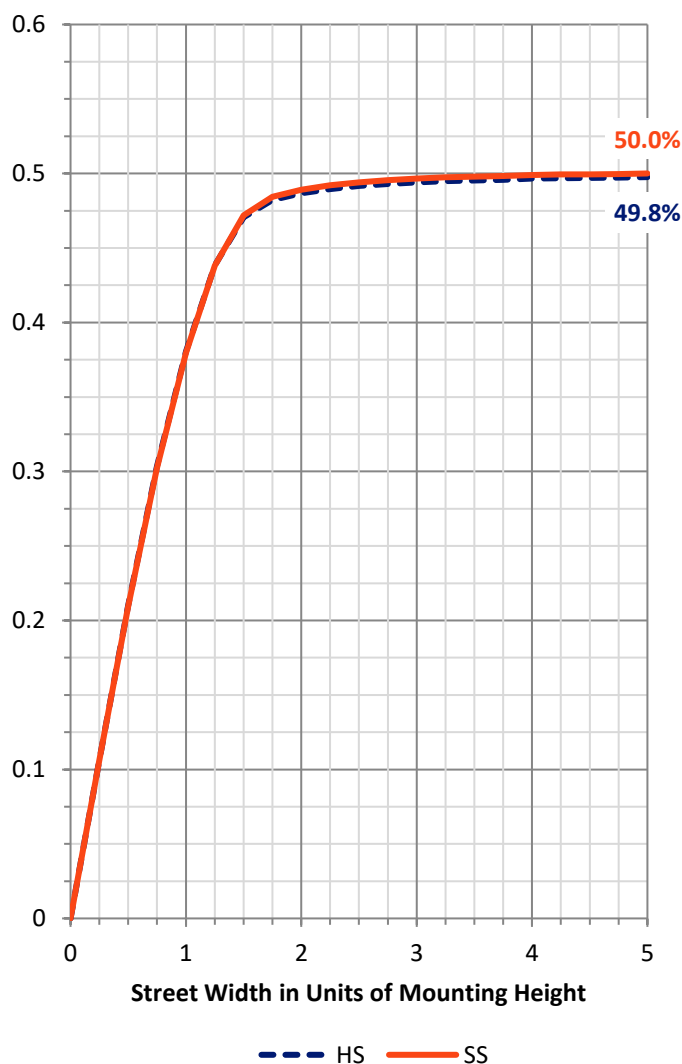
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2591.5	0.0	2591.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2591.5	0.0	2591.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5183.0	0.0	5183.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.4	1.8
10°-20°	292.9	5.7
20°-30°	546.2	10.5
30°-40°	914.5	17.6
40°-50°	1423.1	27.5
50°-60°	1477.6	28.5
60°-70°	313.4	6.0
70°-80°	103.2	2.0
80°-90°	19.7	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°	5183.0	100.0
0°-180°	5183.0	100.0

**Coefficient of Utilization**

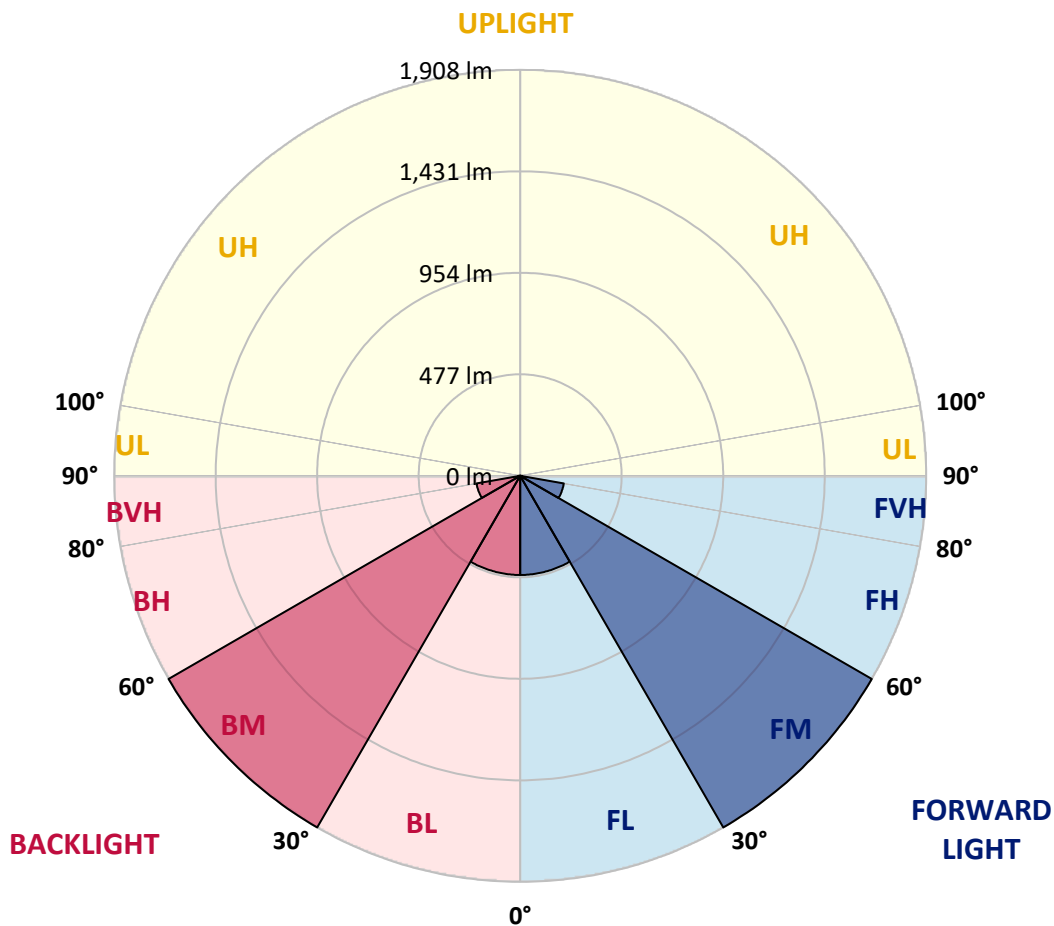


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.8	9.0			
FM (30°-60°)	1907.6	36.8			
FH (60°-80°)	208.3	4.0			G0/660
FVH (80°-90°)	9.8	0.2			G0/10
BL (0°-30°)	465.8	9.0	B1/500		
BM (30°-60°)	1907.6	36.8	B2/2500		
BH (60°-80°)	208.3	4.0	B1/500		G0/660
BVH (80°-90°)	9.8	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	946.3	946.3	946.3	946.3	946.3	946.3	946.3	946.3	946.3	946.3	946.3
2.5°	957.6	953.2	945.7	951.3	955.7	946.3	950.1	952.0	950.7	945.7	947.6
5°	971.4	968.9	962.6	967.0	961.4	961.4	957.6	952.6	960.1	958.9	962.0
7.5°	971.4	968.3	980.8	972.6	975.1	975.1	968.9	963.9	967.6	962.0	958.9
10°	990.8	995.2	989.6	991.4	990.2	994.6	985.2	982.0	978.9	977.0	973.3
12.5°	1014.0	1010.8	1012.7	1011.5	1015.9	1004.6	998.9	992.1	997.7	989.6	995.2
15°	1032.8	1030.9	1032.8	1037.8	1033.4	1032.8	1022.7	1015.9	1007.1	1009.0	1000.2
17.5°	1058.4	1056.6	1057.2	1061.6	1061.0	1057.8	1050.3	1037.2	1034.0	1029.0	1023.4
20°	1096.7	1093.5	1092.3	1094.1	1097.3	1099.8	1084.8	1079.7	1069.1	1061.0	1051.6
22.5°	1129.2	1128.0	1133.0	1124.8	1131.7	1139.2	1124.8	1122.3	1096.0	1091.6	1081.6
25°	1174.3	1172.4	1169.3	1181.2	1189.3	1188.7	1174.9	1161.2	1141.1	1136.1	1136.1
27.5°	1221.9	1211.3	1227.5	1230.7	1245.1	1249.5	1237.6	1217.5	1198.7	1188.1	1190.6
30°	1281.4	1271.4	1275.1	1297.7	1316.5	1332.8	1302.7	1273.3	1247.0	1228.2	1225.0
32.5°	1340.9	1330.9	1342.2	1364.1	1401.7	1426.1	1396.6	1345.3	1314.6	1287.0	1292.7
35°	1389.1	1396.6	1414.8	1448.0	1486.8	1526.3	1479.3	1439.9	1396.0	1365.3	1369.7
37.5°	1466.8	1490.0	1504.4	1542.6	1597.7	1638.4	1589.5	1538.2	1491.2	1451.1	1437.4
40°	1568.3	1583.9	1600.2	1645.3	1710.4	1751.1	1704.8	1637.8	1591.4	1550.1	1548.2
42.5°	1679.7	1694.8	1711.7	1766.8	1805.6	1836.3	1793.7	1758.0	1706.7	1674.1	1672.2
45°	1809.4	1798.7	1817.5	1853.8	1886.4	1906.5	1878.9	1861.4	1824.4	1794.3	1791.2
47.5°	1895.8	1886.4	1920.2	1952.8	1957.8	1935.9	1941.5	1957.8	1919.0	1869.5	1885.2
50°	1945.9	1945.9	1968.5	1998.5	1989.1	1960.9	2005.4	2006.7	1967.8	1924.0	1924.0
52.5°	1858.9	1878.3	1942.2	2040.5	2071.8	2079.9	2069.9	2027.3	1925.9	1836.3	1831.9
55°	1619.6	1615.2	1701.7	1927.1	2109.4	2205.8	2078.1	1882.0	1676.0	1575.1	1565.1
57.5°	1053.4	1058.4	1187.5	1417.3	1746.1	1925.9	1710.4	1434.9	1187.5	1048.4	1061.6
60°	474.1	491.0	569.3	740.9	1023.4	1169.9	1025.9	778.5	597.5	518.6	525.5
62.5°	272.4	275.6	278.7	330.7	435.9	515.4	452.8	349.5	308.1	294.4	294.4
65°	229.9	228.0	228.6	233.0	244.3	260.5	253.7	244.3	245.5	244.3	242.4
67.5°	195.4	197.9	196.0	199.2	199.8	202.3	206.7	210.4	211.1	212.3	211.1
70°	160.3	161.0	162.2	164.7	165.3	167.2	173.5	176.6	178.5	178.5	181.0
72.5°	122.8	122.1	123.4	125.9	129.0	129.6	135.3	139.7	142.2	139.0	139.7
75°	80.8	81.4	83.3	85.2	89.6	93.9	95.8	100.2	100.8	102.1	99.0
77.5°	48.2	49.5	51.4	55.1	58.9	62.6	67.0	70.1	71.4	70.1	66.4
80°	31.3	31.3	33.8	37.0	41.3	44.5	47.0	49.5	51.4	49.5	48.2
82.5°	19.4	19.4	22.5	26.3	29.4	31.3	35.1	38.2	40.1	38.8	37.0
85°	10.0	10.6	13.2	16.3	18.8	20.0	19.4	17.5	15.7	15.0	13.8
87.5°	3.1	3.1	3.8	3.8	3.1	3.1	3.8	3.1	3.8	3.8	3.8
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)