

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: P527138

Luminaire Tested: **GALN-SA2A-827-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527138
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-SA2A-827-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5924 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

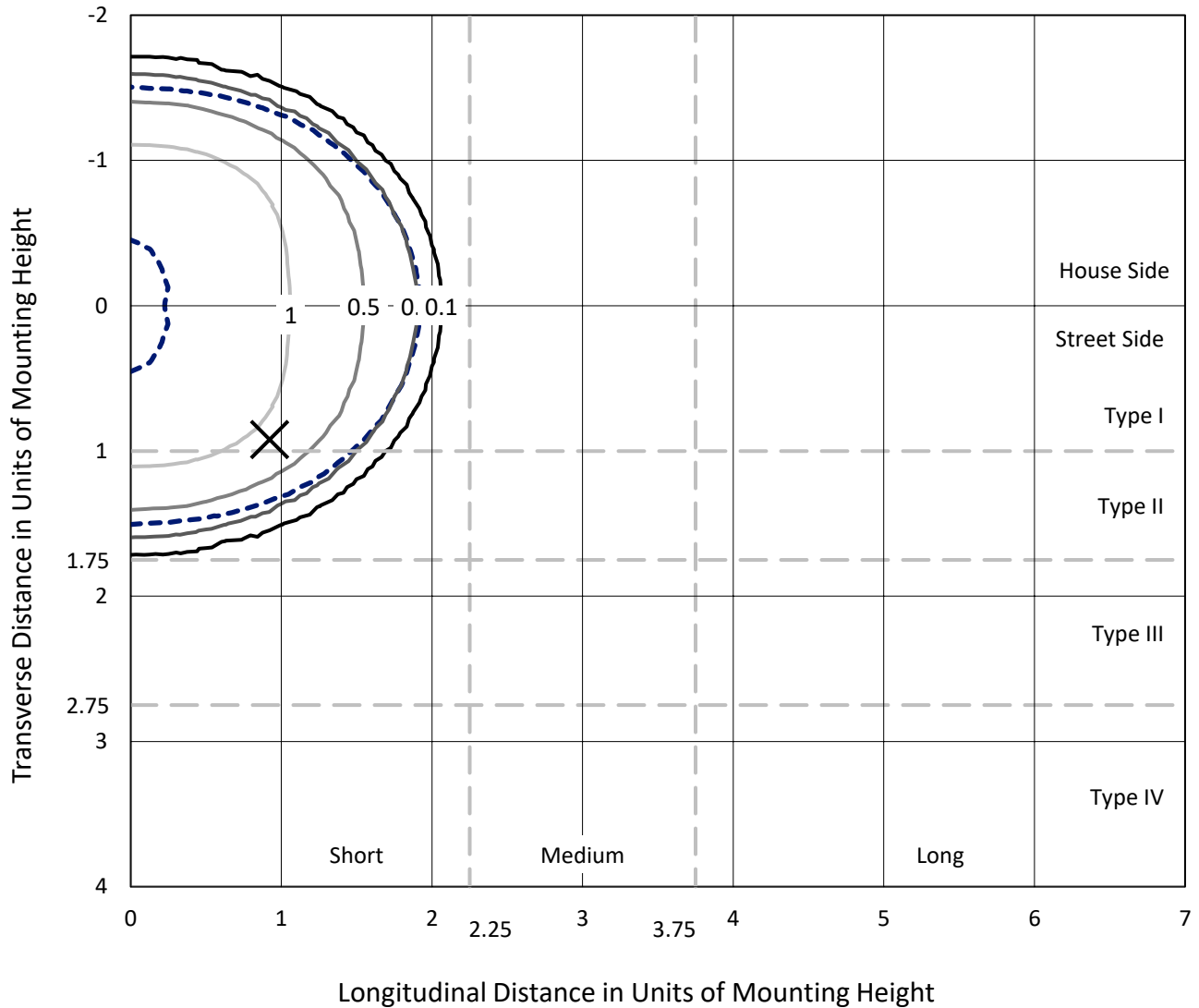
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

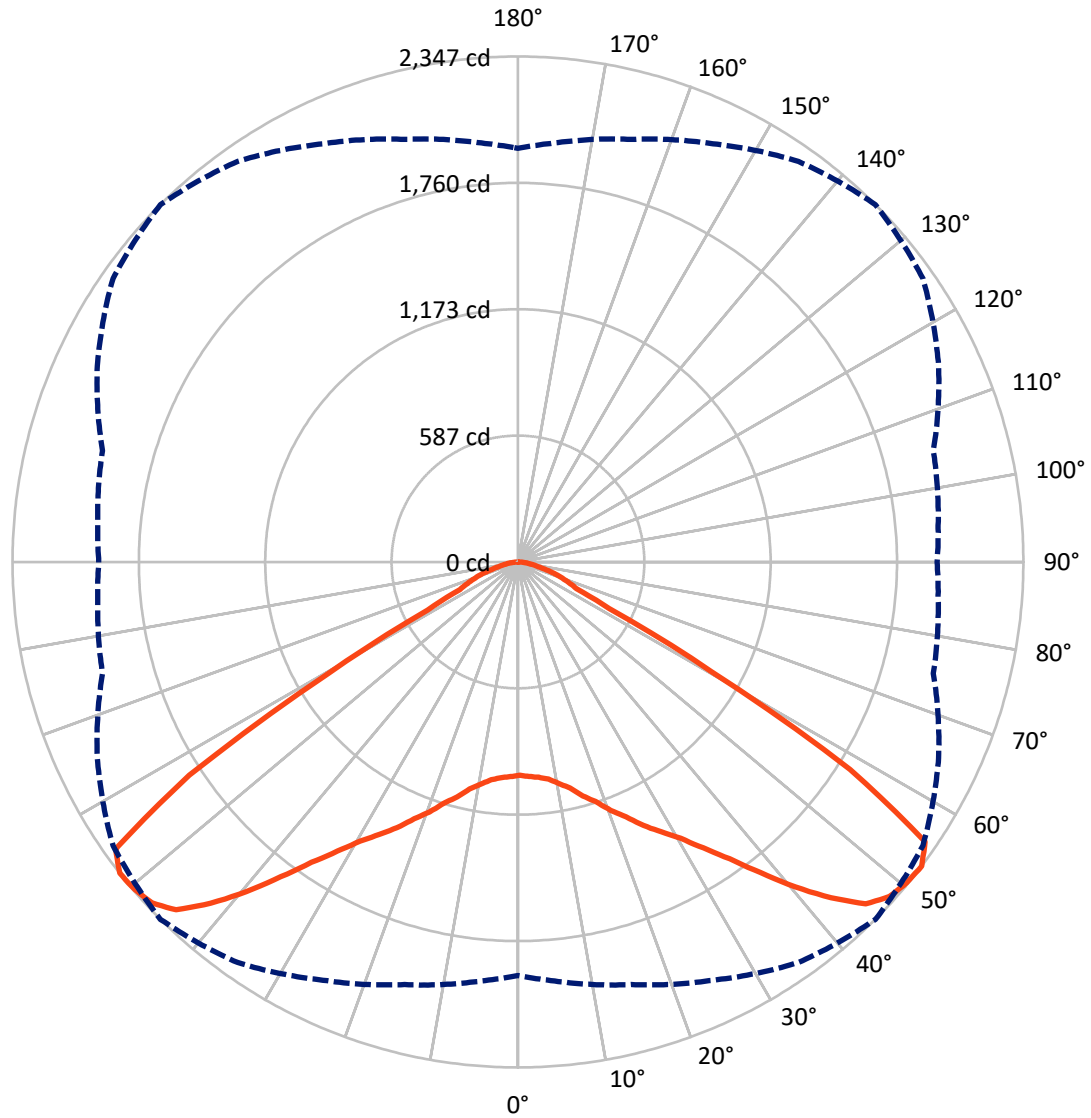
✕ Max cd
 - - - 1/2 Max cd



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

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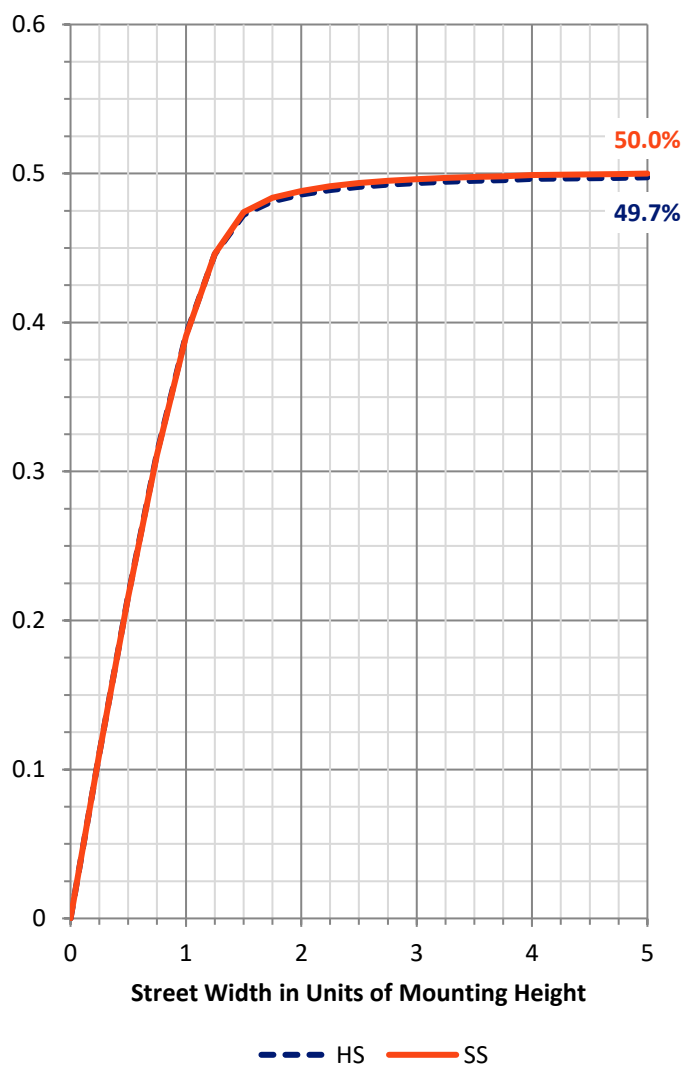
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2962.0	0.0	2962.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2962.0	0.0	2962.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5924.0	0.0	5924.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	1.6
10°-20°	319.7	5.4
20°-30°	608.7	10.3
30°-40°	1045.1	17.6
40°-50°	1606.3	27.1
50°-60°	1631.2	27.5
60°-70°	454.6	7.7
70°-80°	134.1	2.3
80°-90°	27.0	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°	5924.0	100.0
0°-180°	5924.0	100.0

Coefficient of Utilization



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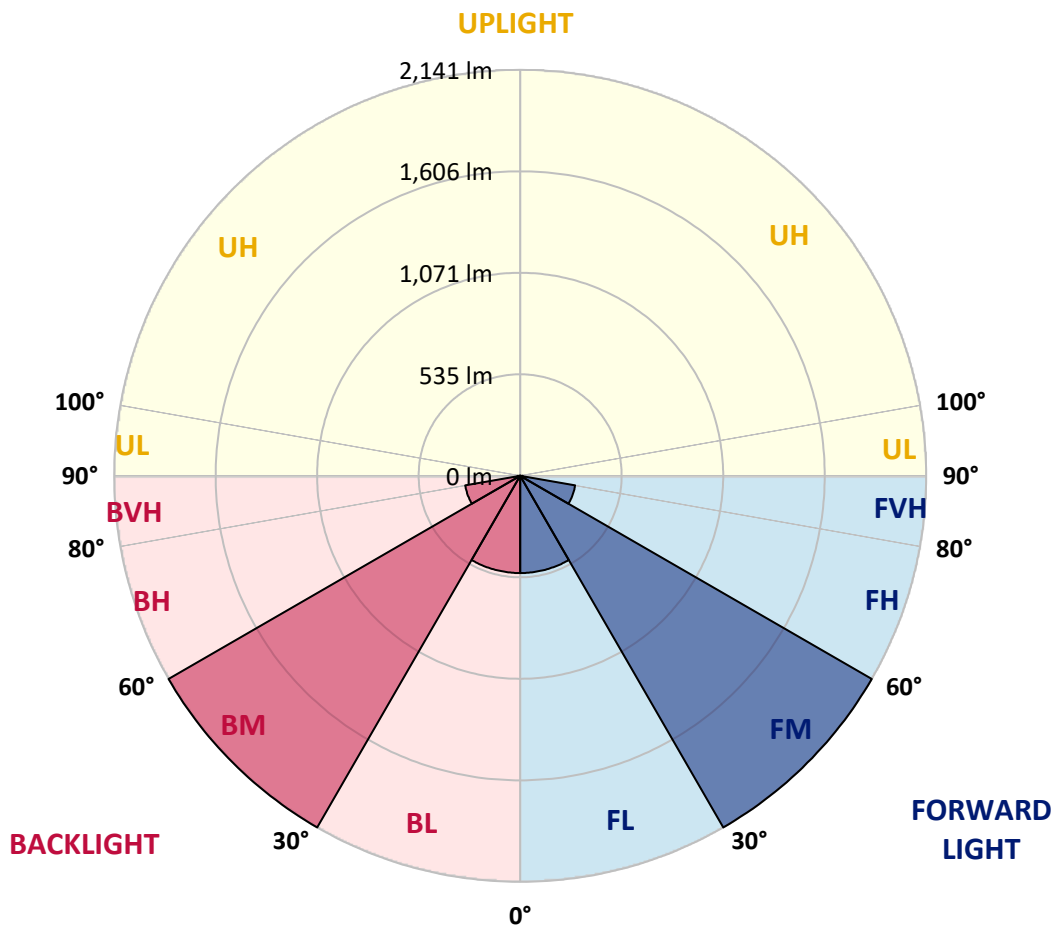
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.8	8.7			
FM (30°-60°)	2141.3	36.1			
FH (60°-80°)	294.3	5.0			G0/660
FVH (80°-90°)	13.5	0.2			G1/100
BL (0°-30°)	512.8	8.7	B2/1000		
BM (30°-60°)	2141.3	36.1	B2/2500		
BH (60°-80°)	294.3	5.0	B1/500		G0/660
BVH (80°-90°)	13.5	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°	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3
2.5°	992.5	982.2	985.9	988.1	997.6	996.9	994.7	997.6	1000.6	1001.3	999.8
5°	991.7	984.4	987.3	989.5	999.1	1004.2	1002.8	1015.3	1024.1	1021.9	1032.9
7.5°	985.9	990.3	986.6	997.6	1005.7	1018.2	1031.4	1043.2	1054.2	1066.7	1068.9
10°	999.1	999.1	1005.7	1014.5	1035.9	1045.4	1064.5	1081.4	1102.8	1117.5	1111.6
12.5°	1013.1	1015.3	1015.3	1038.1	1055.7	1077.0	1094.7	1117.5	1147.6	1165.2	1174.1
15°	1027.0	1028.5	1035.9	1066.7	1093.2	1127.0	1143.2	1163.8	1180.7	1213.8	1214.5
17.5°	1039.5	1047.6	1069.7	1104.2	1137.3	1169.7	1195.4	1216.7	1231.4	1244.6	1241.7
20°	1086.6	1092.5	1115.3	1149.8	1199.1	1230.7	1239.5	1243.2	1252.7	1279.2	1271.1
22.5°	1132.2	1134.4	1155.7	1208.6	1243.2	1285.1	1294.6	1292.4	1296.1	1302.7	1314.5
25°	1179.2	1182.9	1212.3	1257.1	1305.7	1355.7	1363.7	1346.8	1341.7	1349.0	1349.8
27.5°	1239.5	1240.2	1277.7	1316.7	1371.8	1418.9	1431.4	1418.1	1393.9	1399.8	1409.3
30°	1316.0	1310.8	1348.3	1404.2	1462.3	1488.7	1510.0	1503.4	1477.0	1471.8	1463.7
32.5°	1404.2	1405.6	1439.5	1500.5	1538.7	1582.8	1605.6	1594.6	1577.7	1568.9	1574.0
35°	1528.4	1535.0	1557.8	1608.6	1670.3	1692.4	1728.4	1704.9	1660.8	1671.8	1681.3
37.5°	1630.6	1649.7	1692.4	1752.6	1789.4	1829.8	1843.1	1811.5	1779.1	1765.9	1797.5
40°	1787.2	1781.3	1828.4	1888.7	1943.1	1983.5	1966.6	1935.0	1854.8	1855.6	1864.4
42.5°	1921.7	1924.7	1960.7	2032.7	2107.0	2132.0	2078.3	2001.1	1912.2	1902.6	1921.7
45°	2035.0	2046.7	2067.3	2163.6	2236.4	2263.6	2164.3	2073.2	1954.1	1914.4	1946.0
47.5°	2075.4	2094.5	2139.3	2227.6	2299.6	2321.7	2242.3	2111.4	1993.0	1928.4	1945.3
50°	2081.3	2074.7	2148.2	2229.0	2292.3	2340.0	2270.2	2139.3	1983.5	1949.7	1944.5
52.5°	1920.3	1952.6	2031.3	2142.3	2270.2	2346.7	2295.2	2154.8	1996.7	1958.5	1946.0
55°	1554.2	1515.9	1659.3	1846.0	2081.3	2293.7	2286.4	2162.9	2004.8	1973.2	1956.3
57.5°	867.5	878.5	959.4	1162.3	1465.9	1818.8	2032.7	2077.6	2001.1	1982.8	1991.6
60°	401.4	405.1	439.6	534.5	722.7	1031.4	1313.0	1599.0	1730.6	1757.1	1757.1
62.5°	299.2	297.7	306.6	323.5	363.2	474.2	633.0	860.1	1041.0	1167.5	1200.5
65°	270.5	269.8	274.2	280.1	283.0	298.5	333.8	403.6	462.4	496.2	490.4
67.5°	236.7	236.0	237.5	241.1	246.3	254.4	263.2	277.9	298.5	297.0	293.3
70°	191.1	191.1	193.3	196.3	202.2	211.7	222.0	232.3	250.0	253.6	252.9
72.5°	141.2	138.9	143.4	149.2	155.1	166.9	177.9	187.5	200.0	203.6	202.2
75°	89.7	91.2	94.1	100.7	111.0	119.1	130.9	138.9	147.0	150.0	150.7
77.5°	50.0	51.5	56.6	64.7	75.0	83.8	94.1	100.7	105.9	106.6	107.3
80°	30.1	30.9	36.0	43.4	52.2	61.8	69.8	76.5	80.9	78.7	77.9
82.5°	18.4	19.1	23.5	30.1	37.5	44.8	53.7	59.5	64.0	61.0	58.1
85°	9.6	10.3	14.0	18.4	24.3	27.9	27.9	25.0	24.3	22.8	22.1
87.5°	2.9	2.9	3.7	4.4	3.7	4.4	5.1	5.9	5.9	6.6	5.9
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)