

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: P526896

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526896
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-827-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 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: 5079 lumens
Efficiency: N/A
Efficacy: 78.1 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

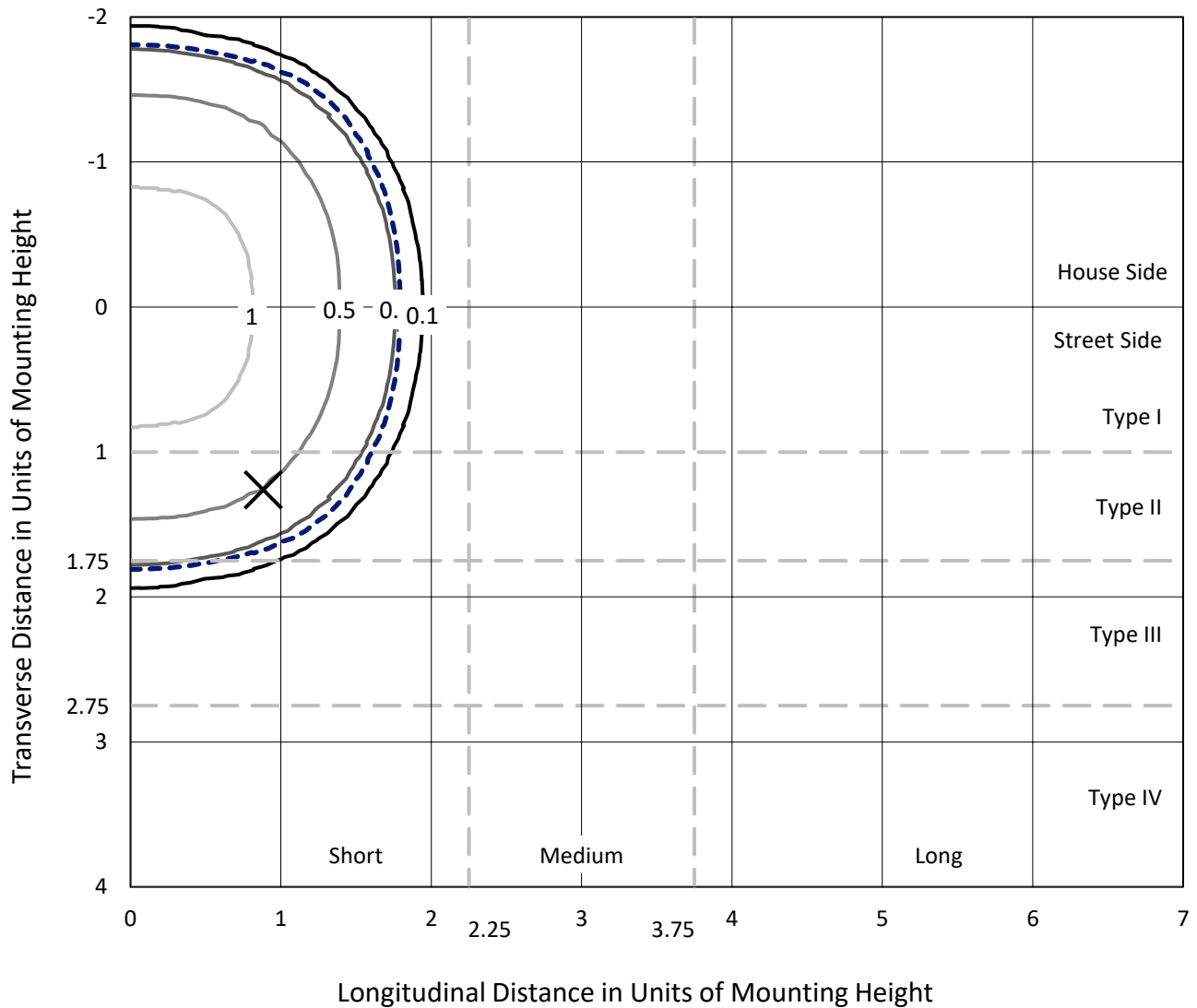
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

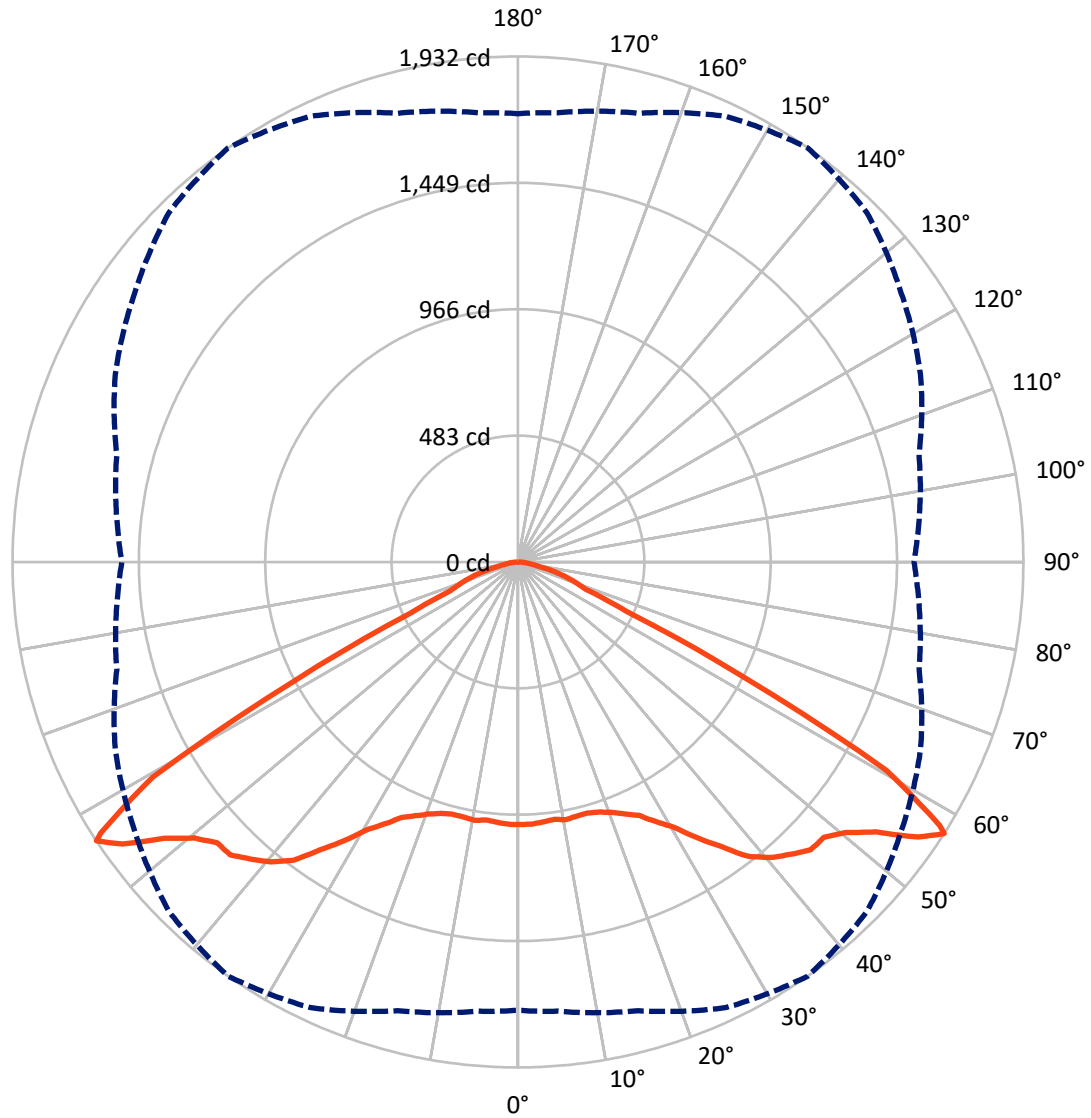
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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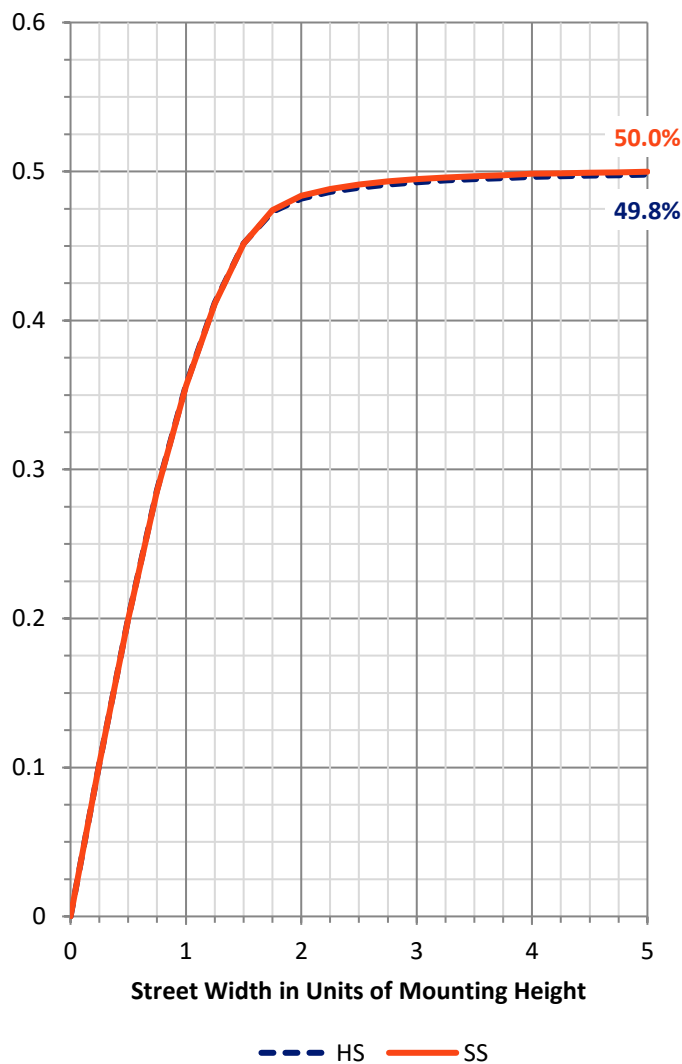
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2539.5	0.0	2539.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2539.5	0.0	2539.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5079.0	0.0	5079.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	1.9
10°-20°	281.6	5.5
20°-30°	491.9	9.7
30°-40°	806.0	15.9
40°-50°	1181.7	23.3
50°-60°	1488.5	29.3
60°-70°	559.8	11.0
70°-80°	148.9	2.9
80°-90°	25.5	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°	5079.0	100.0
0°-180°	5079.0	100.0

Coefficient of Utilization



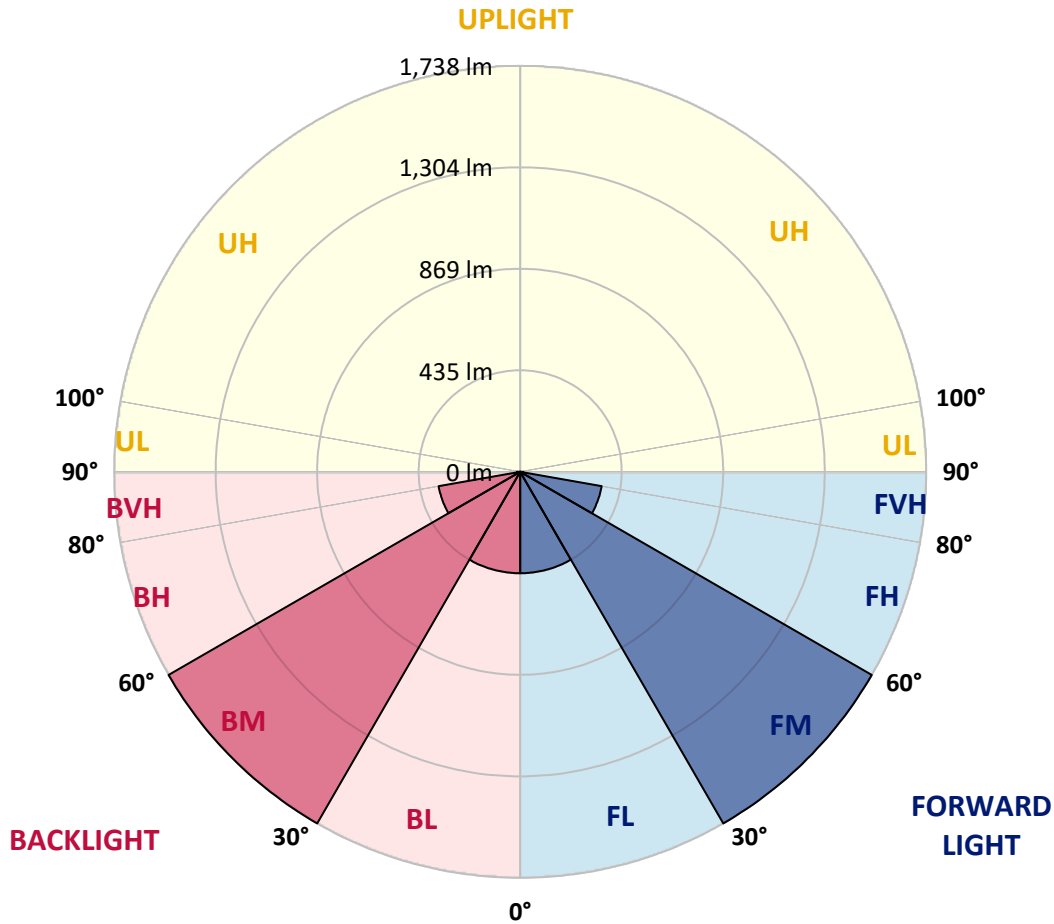
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	434.3	8.6			
FM (30°-60°)	1738.1	34.2			
FH (60°-80°)	354.3	7.0			G0/660
FVH (80°-90°)	12.8	0.3			G1/100
BL (0°-30°)	434.3	8.6	B1/500		
BM (30°-60°)	1738.1	34.2	B2/2500		
BH (60°-80°)	354.3	7.0	B1/500		G0/660
BVH (80°-90°)	12.8	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°	1003.1	1003.1	1003.1	1003.1	1003.1	1003.1	1003.1	1003.1	1003.1	1003.1	1003.1
2.5°	998.1	1008.1	1003.7	1001.2	1003.1	999.9	994.9	1000.6	999.3	994.3	992.4
5°	995.6	1003.1	998.1	1003.1	998.1	1006.8	1004.3	994.9	1006.2	995.6	999.3
7.5°	993.7	996.2	997.4	994.9	993.1	1003.7	998.1	993.7	987.4	985.5	988.7
10°	989.3	995.6	986.2	998.7	1001.2	993.7	993.7	985.5	980.5	977.4	988.0
12.5°	1000.6	989.9	988.7	994.9	996.8	999.9	991.2	986.8	977.4	978.7	976.8
15°	987.4	991.8	992.4	993.7	995.6	1003.1	994.9	985.5	981.8	968.6	969.9
17.5°	992.4	988.0	992.4	1006.8	1004.3	1009.9	1001.2	986.8	978.0	970.5	980.5
20°	1001.2	999.3	1001.2	1018.7	1021.8	1026.8	1019.3	1006.2	989.3	980.5	985.5
22.5°	1010.6	1009.3	1010.6	1027.5	1045.6	1051.9	1044.4	1013.7	1004.9	988.7	983.0
25°	1027.5	1028.7	1041.9	1060.6	1072.5	1084.4	1070.6	1048.7	1020.6	1010.6	998.7
27.5°	1065.0	1068.1	1075.7	1103.2	1123.8	1134.5	1115.1	1085.0	1067.5	1046.9	1043.7
30°	1111.3	1111.3	1124.5	1148.2	1176.4	1192.7	1168.9	1133.2	1111.9	1100.7	1093.8
32.5°	1172.6	1165.8	1170.8	1212.7	1256.5	1270.3	1238.3	1194.5	1160.8	1145.7	1140.7
35°	1225.2	1229.6	1240.8	1285.9	1334.7	1366.6	1316.6	1259.6	1225.2	1211.4	1208.9
37.5°	1293.4	1300.9	1306.6	1368.5	1427.3	1439.2	1391.0	1345.3	1303.4	1292.2	1285.9
40°	1389.8	1384.8	1386.6	1432.3	1485.5	1493.0	1445.5	1412.9	1378.5	1371.6	1371.6
42.5°	1469.2	1463.6	1469.9	1486.8	1527.4	1521.8	1495.5	1471.7	1457.4	1449.8	1457.4
45°	1517.4	1516.2	1527.4	1540.0	1568.7	1550.0	1529.3	1533.1	1519.3	1506.8	1506.2
47.5°	1570.0	1561.9	1575.6	1594.4	1572.5	1563.7	1562.5	1570.6	1566.2	1544.3	1537.4
50°	1595.6	1592.5	1614.4	1636.3	1624.4	1604.4	1608.8	1621.9	1565.6	1536.2	1519.3
52.5°	1664.5	1665.1	1707.0	1718.9	1713.9	1684.5	1693.9	1658.2	1591.9	1550.6	1552.5
55°	1772.7	1768.3	1815.3	1850.3	1856.0	1818.4	1773.4	1723.3	1640.1	1598.1	1585.6
57°	1713.3	1723.3	1775.2	1879.1	1931.7	1887.2	1789.0	1697.6	1586.9	1536.2	1513.7
57.5°	1633.8	1650.1	1740.2	1844.7	1899.8	1896.0	1769.6	1650.1	1551.2	1472.4	1474.2
60°	1197.0	1200.2	1281.5	1447.3	1619.4	1623.2	1469.2	1310.9	1200.8	1115.1	1127.0
62.5°	631.4	645.8	678.3	811.6	960.5	996.8	903.6	822.2	727.1	662.0	668.3
65°	334.1	332.3	347.9	385.5	458.7	477.4	464.9	400.5	367.3	356.7	357.3
67.5°	271.6	274.7	272.8	274.7	279.7	287.8	286.0	288.5	290.3	293.5	292.8
70°	230.3	230.3	231.5	232.2	232.2	235.9	240.3	248.4	249.0	252.2	253.4
72.5°	181.5	180.2	182.1	186.5	187.1	190.2	196.5	201.5	203.4	203.4	199.6
75°	123.3	124.5	127.0	130.8	134.5	140.2	145.2	148.3	149.6	147.7	145.8
77.5°	69.5	70.7	72.6	78.2	82.6	87.6	93.2	96.4	99.5	100.1	96.4
80°	41.3	41.3	44.4	48.8	53.8	58.8	63.8	67.6	68.8	68.8	67.0
82.5°	25.0	25.7	28.2	32.5	36.9	40.0	44.4	47.6	50.1	49.4	48.2
85°	13.1	13.1	15.6	19.4	22.5	25.7	25.7	23.8	22.5	19.4	18.1
87.5°	4.4	3.8	5.0	5.0	4.4	5.0	5.0	5.6	5.6	5.6	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)