

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: P526904

Luminaire Tested: **GALN-SA1D-827-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526904  
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-SA1D-827-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA 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: 5042 lumens  
Efficiency: N/A  
Efficacy: 77.6 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

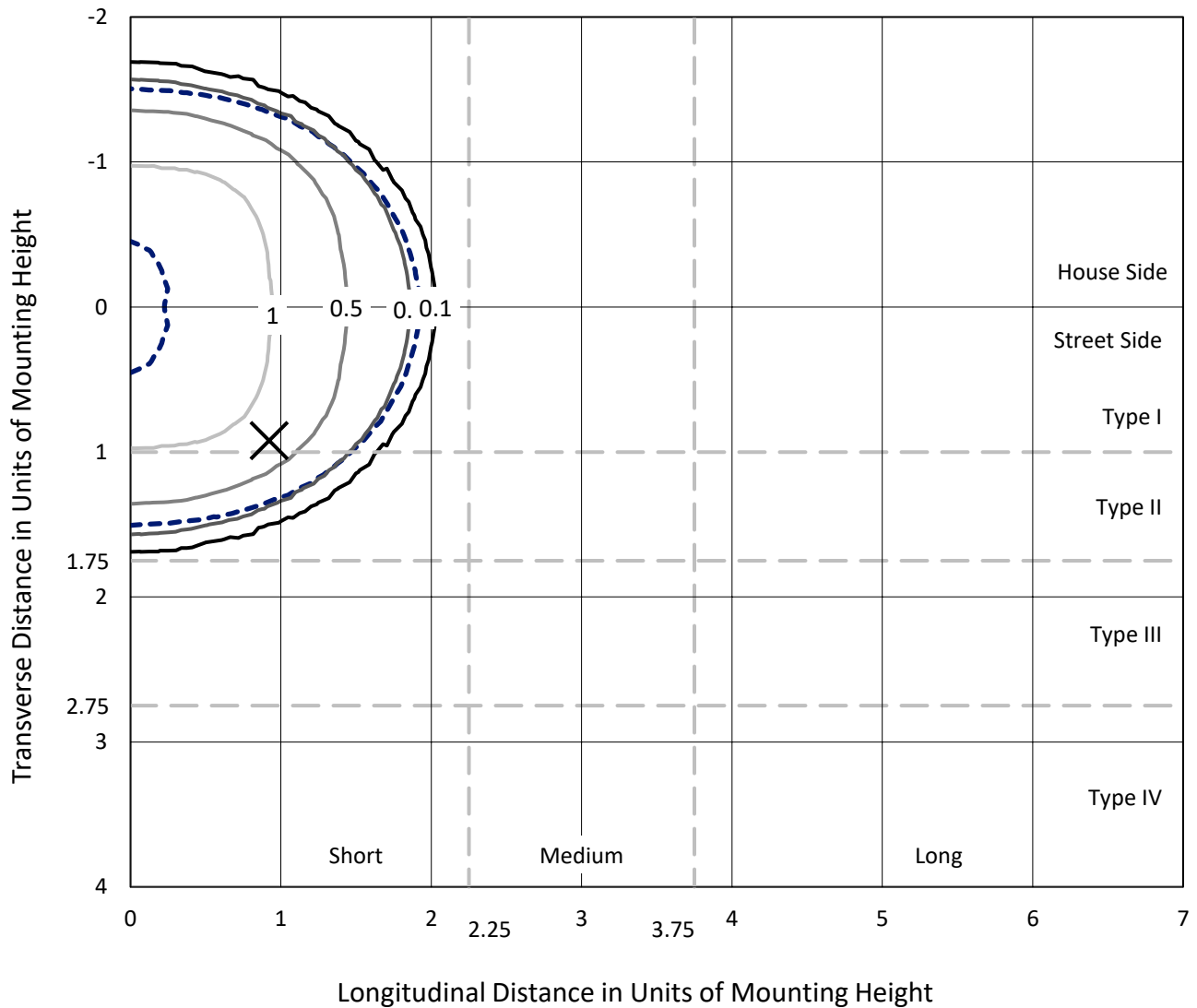
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

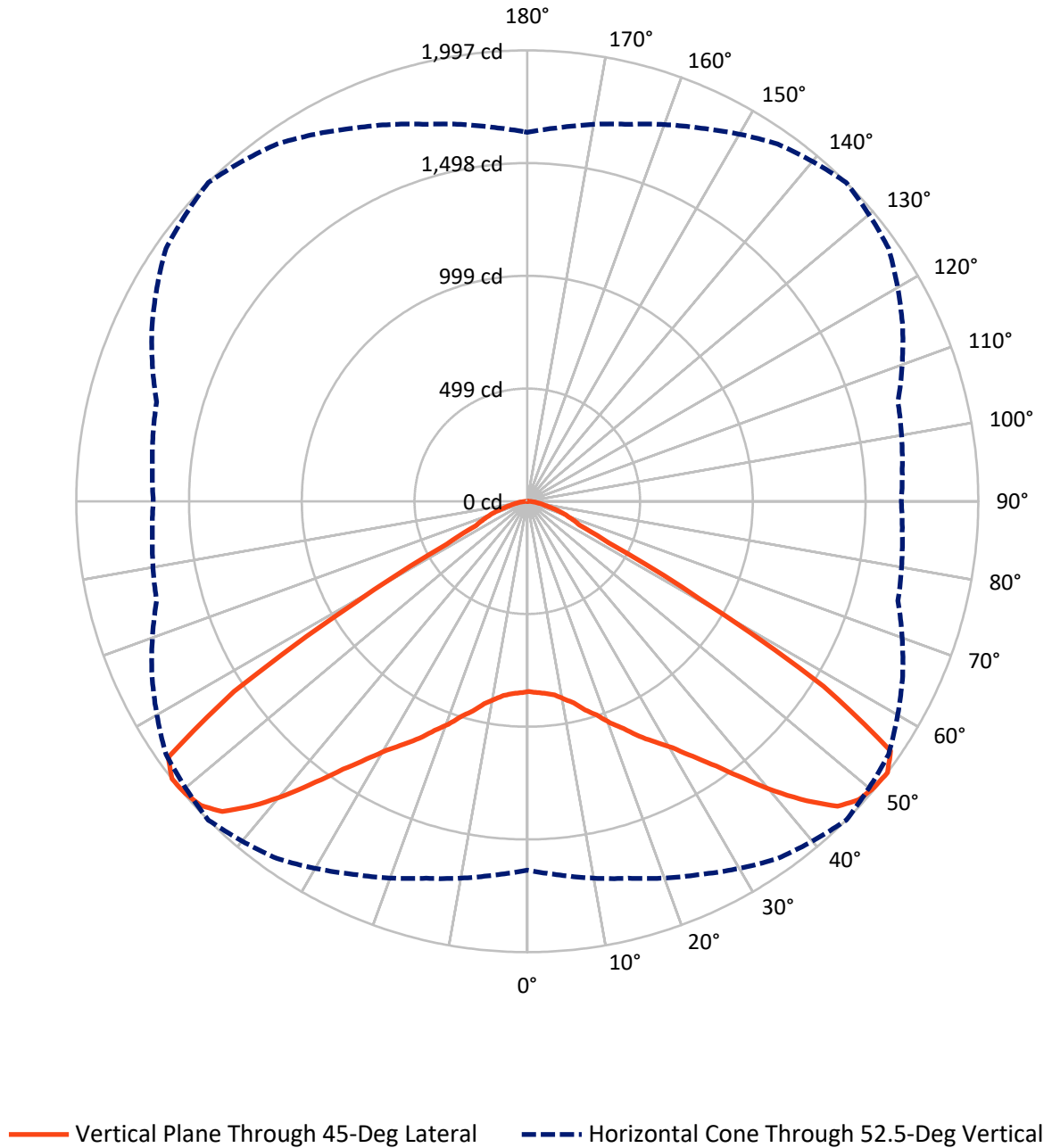
✕ Max cd  
 - - - 1/2 Max cd



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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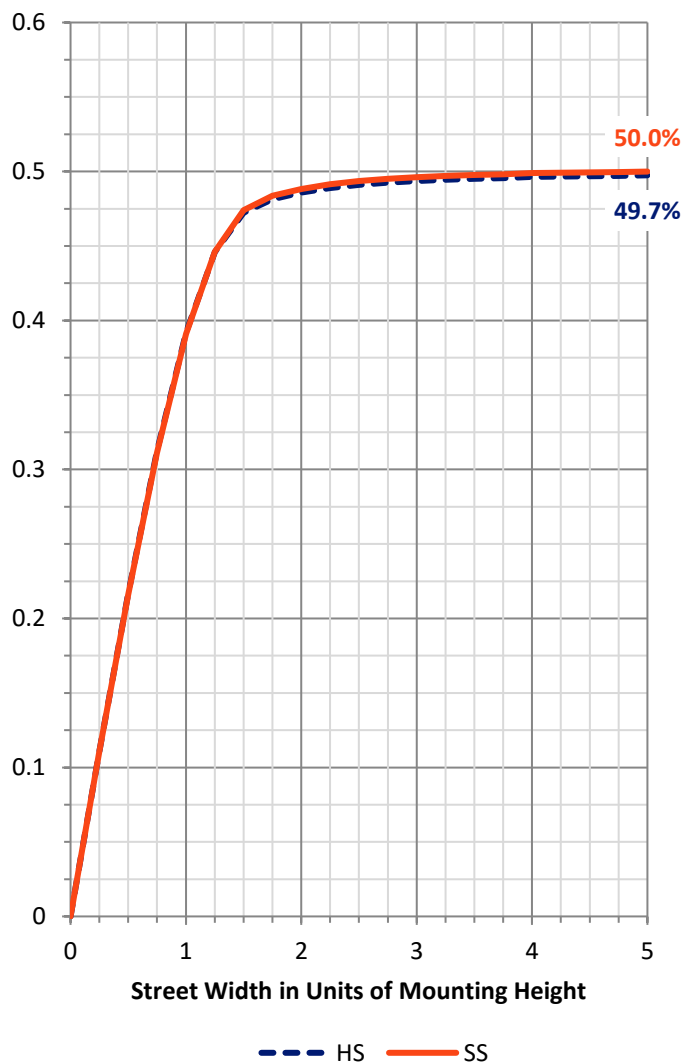
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2521.0	0.0	2521.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2521.0	0.0	2521.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5042.0	0.0	5042.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.8	1.6
10°-20°	272.1	5.4
20°-30°	518.0	10.3
30°-40°	889.5	17.6
40°-50°	1367.2	27.1
50°-60°	1388.4	27.5
60°-70°	386.9	7.7
70°-80°	114.1	2.3
80°-90°	23.0	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°	5042.0	100.0
0°-180°	5042.0	100.0

**Coefficient of Utilization**

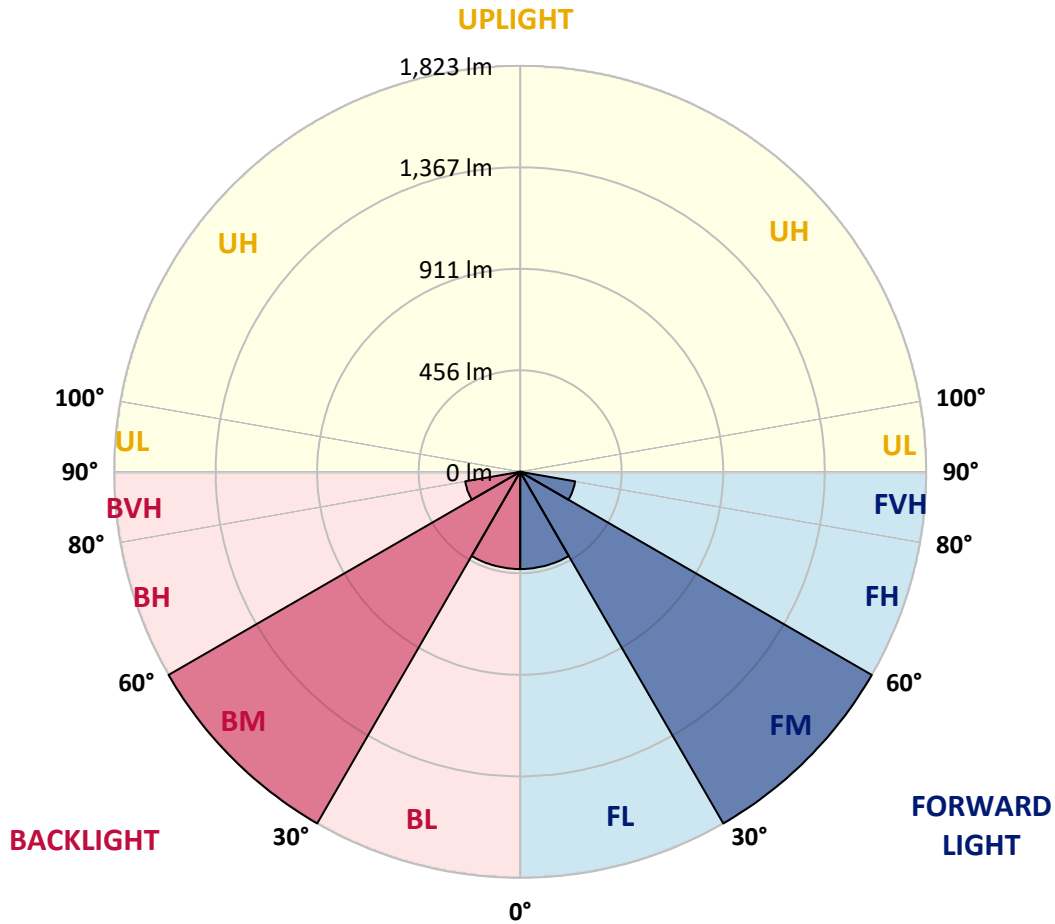


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.5	8.7			
FM (30°-60°)	1822.5	36.1			
FH (60°-80°)	250.5	5.0			G0/660
FVH (80°-90°)	11.5	0.2			G1/100
BL (0°-30°)	436.5	8.7	B1/500		
BM (30°-60°)	1822.5	36.1	B2/2500		
BH (60°-80°)	250.5	5.0	B1/500		G0/660
BVH (80°-90°)	11.5	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°	842.8	842.8	842.8	842.8	842.8	842.8	842.8	842.8	842.8	842.8	842.8
2.5°	844.7	836.0	839.1	841.0	849.1	848.5	846.6	849.1	851.6	852.2	851.0
5°	844.1	837.8	840.3	842.2	850.3	854.7	853.5	864.1	871.6	869.7	879.1
7.5°	839.1	842.8	839.7	849.1	856.0	866.6	877.9	887.9	897.3	907.9	909.8
10°	850.3	850.3	856.0	863.5	881.6	889.8	906.0	920.4	938.6	951.1	946.1
12.5°	862.2	864.1	864.1	883.5	898.5	916.7	931.7	951.1	976.7	991.8	999.3
15°	874.1	875.4	881.6	907.9	930.4	959.2	973.0	990.5	1004.9	1033.1	1033.7
17.5°	884.8	891.6	910.4	939.8	968.0	995.5	1017.4	1035.6	1048.1	1059.3	1056.8
20°	924.8	929.8	949.2	978.6	1020.5	1047.4	1055.0	1058.1	1066.2	1088.7	1081.9
22.5°	963.6	965.5	983.6	1028.7	1058.1	1093.7	1101.9	1100.0	1103.1	1108.8	1118.8
25°	1003.6	1006.8	1031.8	1070.0	1111.3	1153.8	1160.7	1146.3	1141.9	1148.2	1148.8
27.5°	1055.0	1055.6	1087.5	1120.7	1167.6	1207.6	1218.3	1207.0	1186.4	1191.4	1199.5
30°	1120.0	1115.6	1147.6	1195.1	1244.5	1267.1	1285.2	1279.6	1257.1	1252.7	1245.8
32.5°	1195.1	1196.4	1225.1	1277.1	1309.6	1347.2	1366.6	1357.2	1342.8	1335.3	1339.7
35°	1300.9	1306.5	1325.9	1369.1	1421.6	1440.4	1471.1	1451.0	1413.5	1422.9	1431.0
37.5°	1387.8	1404.1	1440.4	1491.7	1523.0	1557.4	1568.7	1541.8	1514.2	1503.0	1529.9
40°	1521.1	1516.1	1556.2	1607.5	1653.8	1688.2	1673.8	1646.9	1578.7	1579.3	1586.8
42.5°	1635.6	1638.1	1668.8	1730.1	1793.3	1814.6	1768.9	1703.2	1627.5	1619.3	1635.6
45°	1732.0	1742.0	1759.5	1841.5	1903.4	1926.6	1842.1	1764.5	1663.1	1629.4	1656.3
47.5°	1766.4	1782.7	1820.8	1895.9	1957.2	1976.0	1908.4	1797.1	1696.3	1641.2	1655.6
50°	1771.4	1765.8	1828.3	1897.2	1951.0	1991.6	1932.2	1820.8	1688.2	1659.4	1655.0
52.5°	1634.4	1661.9	1728.8	1823.3	1932.2	1997.3	1953.5	1834.0	1699.4	1666.9	1656.3
55°	1322.8	1290.2	1412.2	1571.2	1771.4	1952.2	1946.0	1840.9	1706.3	1679.4	1665.0
57.5°	738.3	747.7	816.6	989.3	1247.7	1548.0	1730.1	1768.3	1703.2	1687.6	1695.1
60°	341.6	344.8	374.2	454.9	615.1	877.9	1117.5	1360.9	1472.9	1495.5	1495.5
62.5°	254.7	253.4	260.9	275.3	309.1	403.6	538.7	732.1	886.0	993.6	1021.8
65°	230.3	229.6	233.4	238.4	240.9	254.0	284.1	343.5	393.6	422.4	417.4
67.5°	201.5	200.9	202.1	205.2	209.6	216.5	224.0	236.5	254.0	252.8	249.7
70°	162.7	162.7	164.6	167.1	172.1	180.2	189.0	197.7	212.7	215.9	215.2
72.5°	120.1	118.3	122.0	127.0	132.0	142.0	151.4	159.6	170.2	173.3	172.1
75°	76.3	77.6	80.1	85.7	94.5	101.4	111.4	118.3	125.1	127.6	128.3
77.5°	42.5	43.8	48.2	55.1	63.8	71.3	80.1	85.7	90.1	90.7	91.4
80°	25.7	26.3	30.7	36.9	44.4	52.6	59.4	65.1	68.8	67.0	66.3
82.5°	15.6	16.3	20.0	25.7	31.9	38.2	45.7	50.7	54.4	51.9	49.4
85°	8.1	8.8	11.9	15.6	20.6	23.8	23.8	21.3	20.6	19.4	18.8
87.5°	2.5	2.5	3.1	3.8	3.1	3.8	4.4	5.0	5.0	5.6	5.0
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)