

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: P647763

Luminaire Tested: **GALN-SA2A-835-U-RW**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647763  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2A-835-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7429.1 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

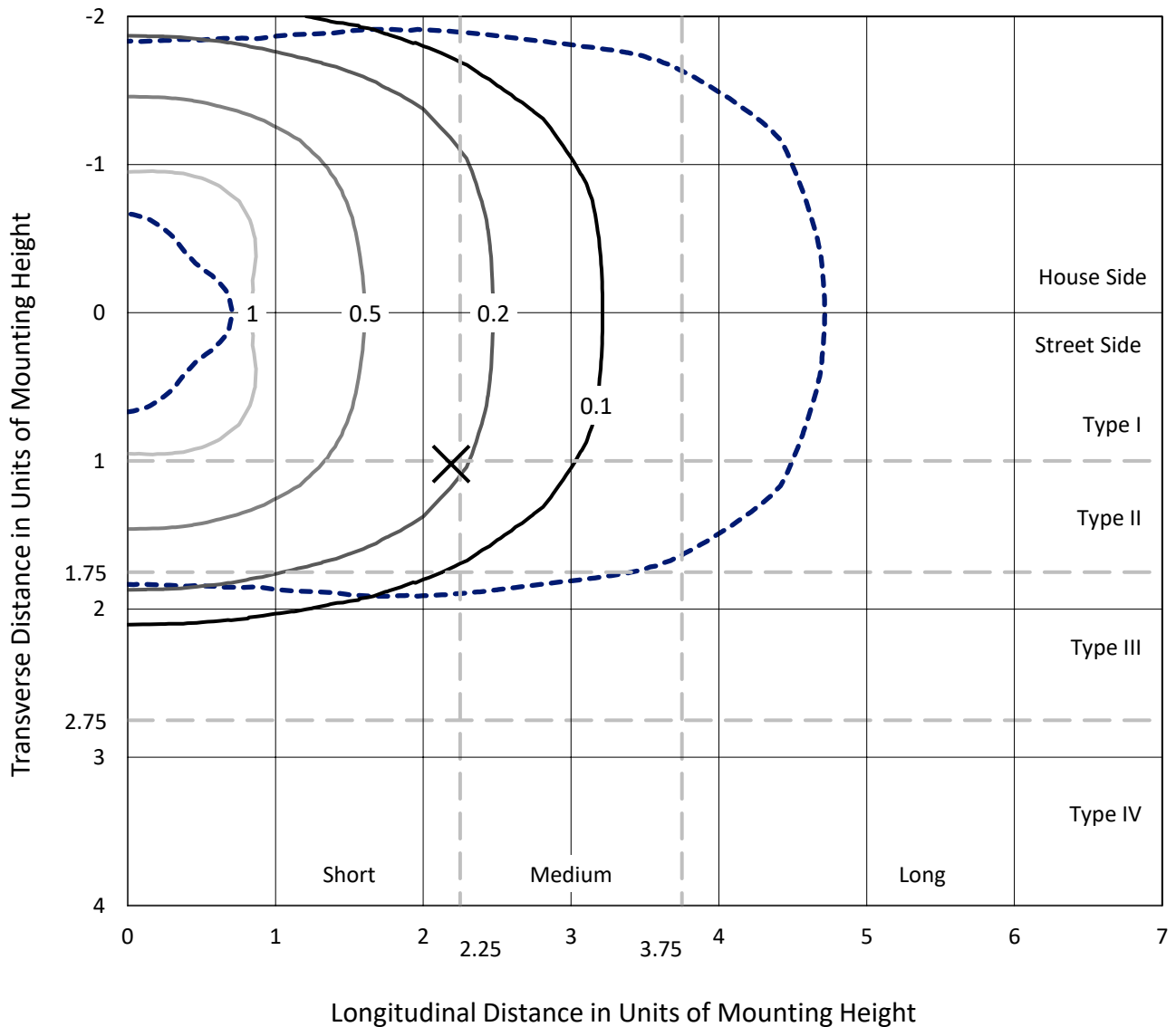
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

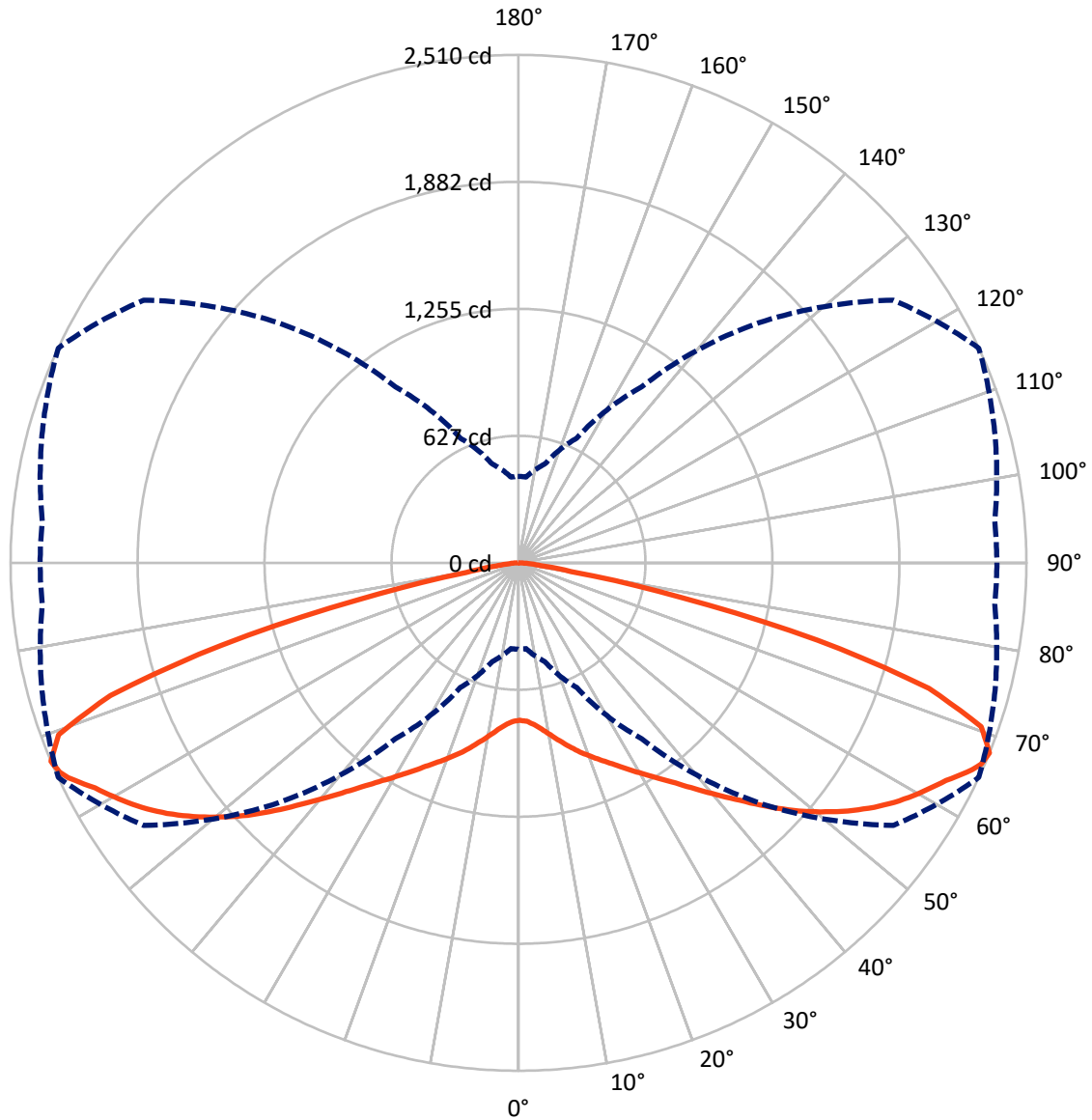
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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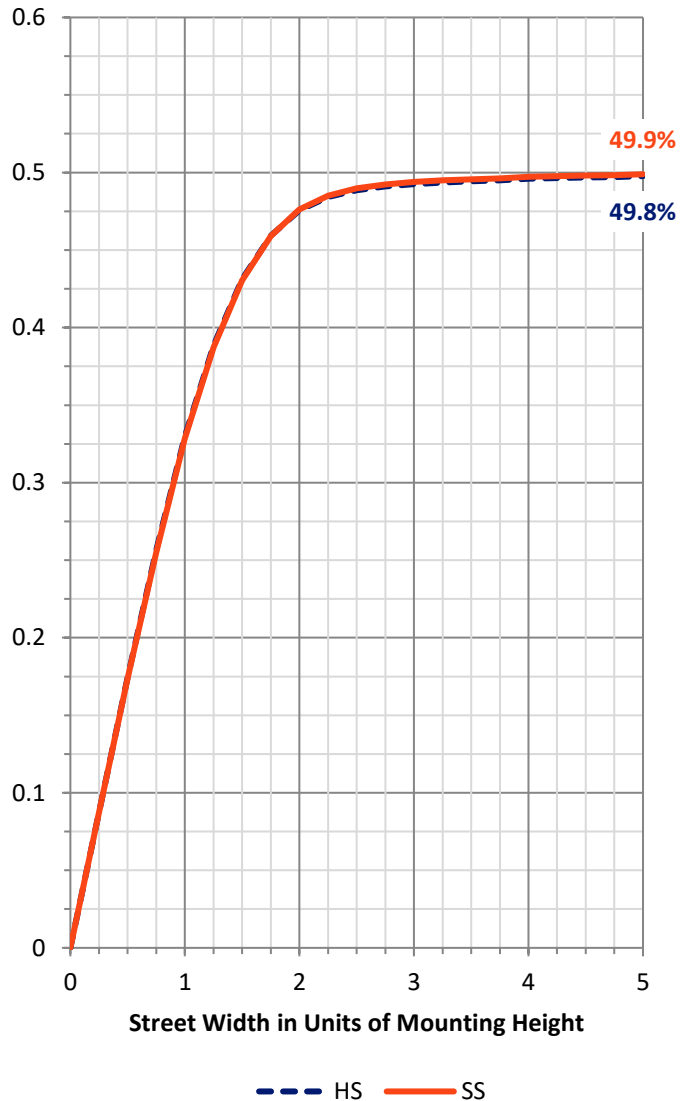
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3714.6	0.0	3714.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3714.6	0.0	3714.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7429.1	0.0	7429.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.7	1.0
10°-20°	256.9	3.5
20°-30°	502.4	6.8
30°-40°	854.6	11.5
40°-50°	1352.5	18.2
50°-60°	1793.4	24.1
60°-70°	1691.8	22.8
70°-80°	836.3	11.3
80°-90°	64.5	0.9
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°	7429.1	100.0
0°-180°	7429.1	100.0

**Coefficient of Utilization**



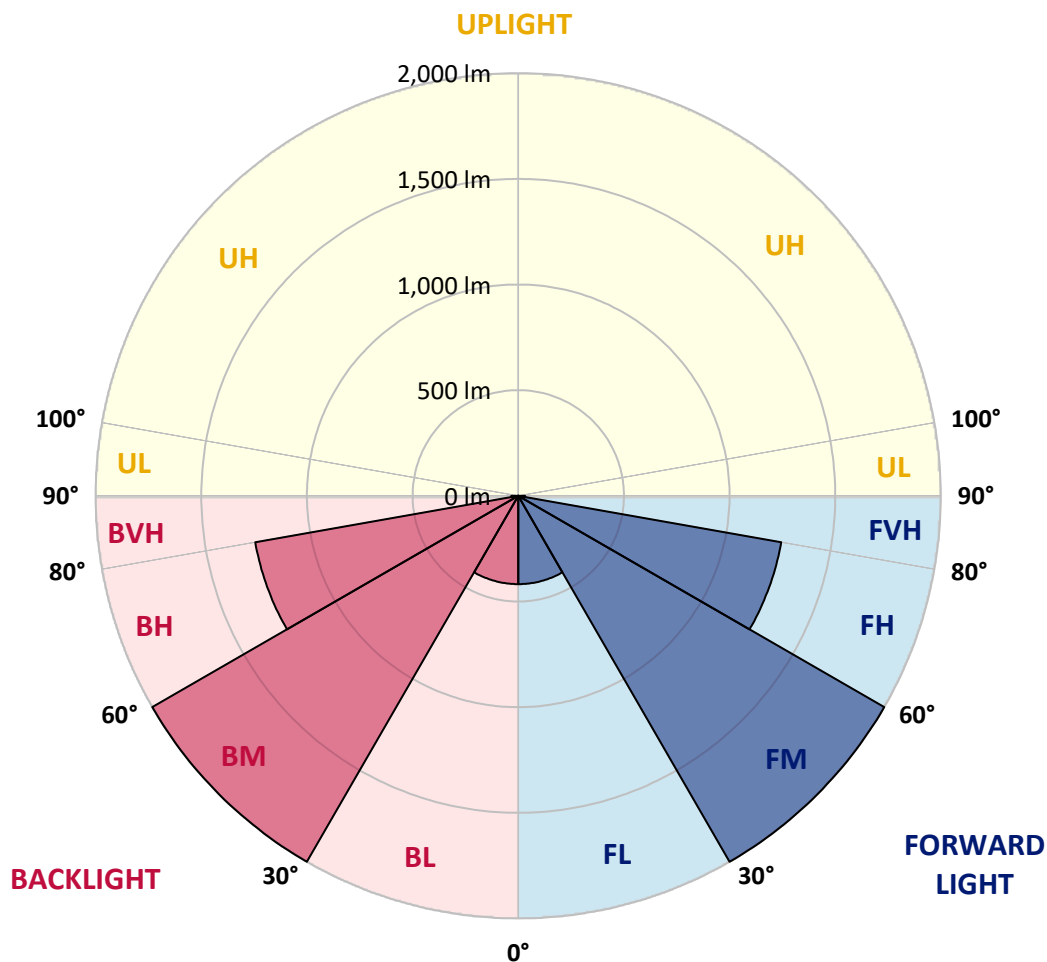
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	418.0	5.6			
FM	(30°-60°)	2000.3	26.9			
FH	(60°-80°)	1264.0	17.0			G1/1800
FVH	(80°-90°)	32.2	0.4			G1/100
BL	(0°-30°)	418.0	5.6	B1/500		
BM	(30°-60°)	2000.3	26.9	B2/2500		
BH	(60°-80°)	1264.0	17.0	B3/2500		G3/2500
BVH	(80°-90°)	32.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
2.5°	774.2	774.9	775.7	777.0	778.5	780.9	782.5	783.7	786.9	787.3	786.9
5°	771.3	772.2	774.2	777.8	782.9	790.0	795.7	802.4	807.6	811.2	810.4
7.5°	770.9	772.6	775.7	783.3	793.3	805.6	818.3	829.9	839.8	847.8	846.6
10°	777.4	779.3	784.5	795.7	811.2	829.1	847.0	864.1	878.4	888.8	892.4
12.5°	788.1	789.7	799.2	816.0	838.2	860.5	880.8	901.9	921.8	939.4	939.4
15°	806.8	809.5	821.5	845.8	873.3	899.1	919.8	942.1	963.6	983.5	989.5
17.5°	832.6	836.6	854.6	885.6	920.7	944.5	964.0	982.4	1001.0	1020.1	1022.9
20°	868.1	872.1	895.9	933.3	974.8	1003.4	1016.6	1021.0	1030.1	1048.4	1050.8
22.5°	916.3	920.3	946.9	989.1	1035.3	1066.3	1071.8	1061.5	1059.2	1073.5	1075.1
25°	970.8	974.4	1005.0	1050.4	1098.2	1132.0	1130.4	1104.9	1090.6	1099.3	1101.8
27.5°	1032.1	1037.2	1068.3	1115.2	1167.0	1196.8	1192.0	1155.1	1124.4	1122.8	1123.6
30°	1110.5	1116.1	1145.5	1190.5	1241.4	1268.9	1258.9	1209.2	1161.8	1145.9	1145.9
32.5°	1193.3	1207.2	1237.1	1284.0	1323.8	1343.7	1328.6	1268.9	1206.0	1183.7	1182.5
35°	1301.1	1308.7	1338.1	1384.0	1413.8	1429.3	1400.2	1336.2	1263.7	1237.5	1233.9
37.5°	1406.6	1413.0	1447.2	1491.0	1527.2	1526.4	1487.0	1416.1	1335.3	1305.9	1303.5
40°	1514.5	1521.2	1560.3	1600.5	1636.7	1633.5	1585.7	1506.5	1420.5	1387.5	1393.9
42.5°	1608.0	1615.6	1659.7	1717.0	1749.7	1748.9	1693.6	1604.4	1514.9	1485.4	1491.0
45°	1693.2	1700.0	1751.3	1817.0	1864.7	1870.7	1810.2	1715.9	1623.9	1586.1	1587.7
47.5°	1753.3	1766.1	1819.8	1895.0	1959.8	1981.0	1921.6	1829.3	1723.5	1684.0	1686.4
50°	1799.0	1807.0	1865.5	1951.1	2033.1	2076.9	2029.1	1934.4	1822.9	1781.2	1786.7
52.5°	1804.7	1814.2	1877.9	1976.6	2081.7	2148.2	2124.7	2037.1	1924.5	1881.5	1893.4
55°	1759.2	1764.8	1840.8	1960.6	2100.8	2201.1	2207.0	2132.6	2021.2	1988.5	1996.5
57.5°	1629.9	1644.2	1740.5	1886.2	2074.5	2229.4	2268.7	2219.3	2119.0	2086.9	2099.5
60°	1417.8	1432.1	1528.8	1713.5	1975.4	2216.2	2319.6	2296.2	2207.8	2182.0	2188.7
62.5°	1110.8	1109.7	1229.5	1456.0	1778.3	2151.7	2357.5	2370.2	2295.4	2262.8	2273.1
65°	720.0	723.6	839.5	1083.4	1481.0	1987.7	2365.8	2464.6	2381.3	2332.0	2339.6
66°	579.1	589.8	688.2	913.1	1329.4	1880.2	2340.8	2492.4	2407.6	2347.9	2351.5
67.5°	427.4	425.5	506.3	679.8	1061.5	1676.1	2262.3	2509.9	2437.5	2362.2	2363.9
70°	244.0	243.6	272.2	373.3	624.1	1180.1	1906.9	2426.0	2498.0	2414.0	2409.6
72.5°	178.3	177.1	181.1	206.2	304.5	595.9	1315.4	2120.3	2466.9	2405.6	2393.3
75°	149.6	148.8	148.1	151.3	170.8	269.8	698.1	1525.2	2140.6	2258.0	2245.3
77.5°	122.2	122.2	122.6	121.8	122.6	142.1	289.4	817.5	1303.5	1455.2	1490.6
80°	95.5	95.1	101.9	99.1	92.7	91.1	128.2	263.1	432.7	430.3	355.0
82.5°	70.5	65.7	77.6	75.6	68.4	58.1	74.9	112.2	144.5	94.0	69.7
85°	44.6	44.2	54.9	50.1	41.8	27.5	35.8	48.2	59.7	36.3	29.4
87.5°	8.0	7.6	17.5	12.8	12.8	8.0	9.9	13.2	19.5	13.5	9.9
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)