

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: P527085

Luminaire Tested: **GALN-SA2A-750-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527085  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2A-750-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5943 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

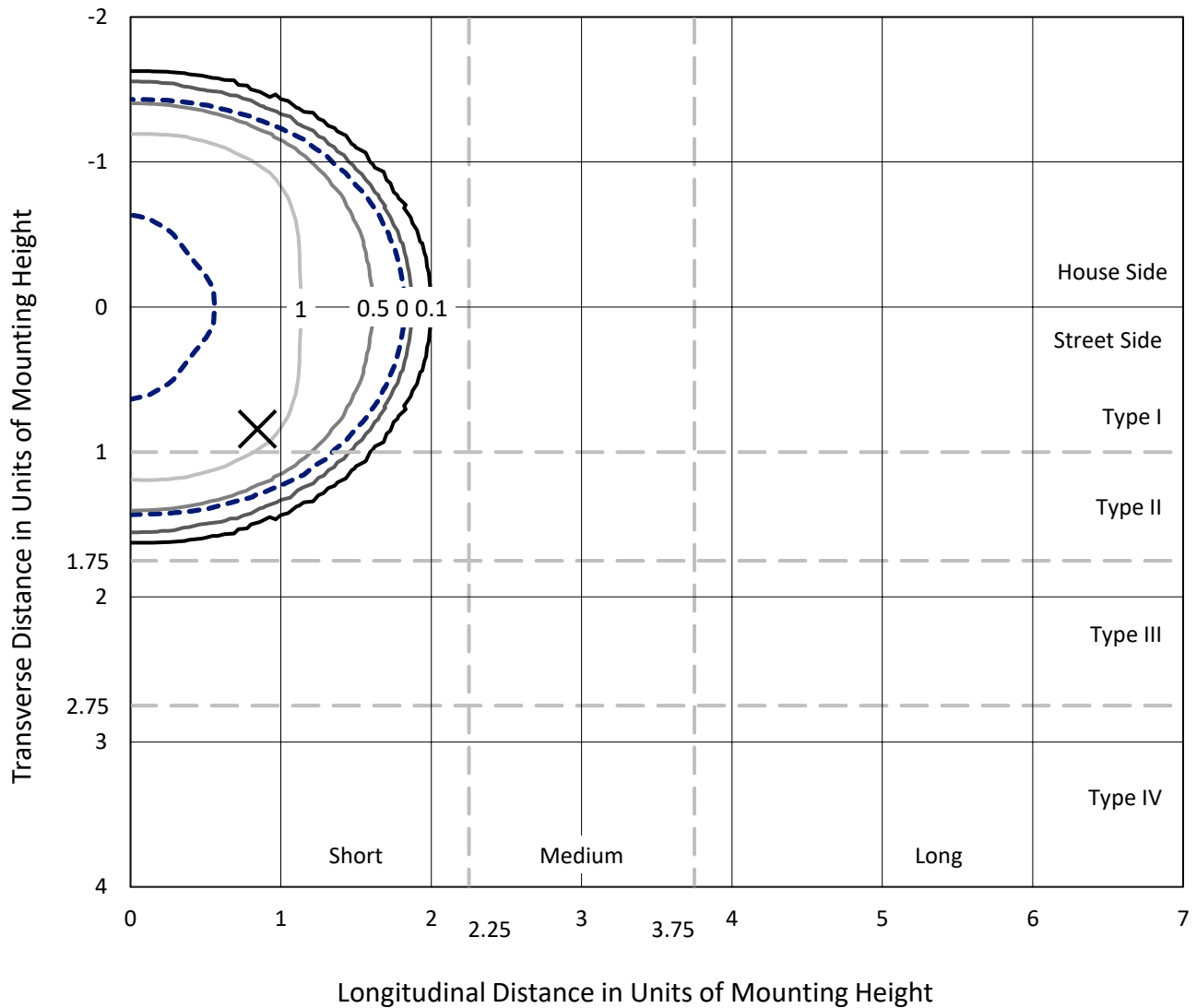
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

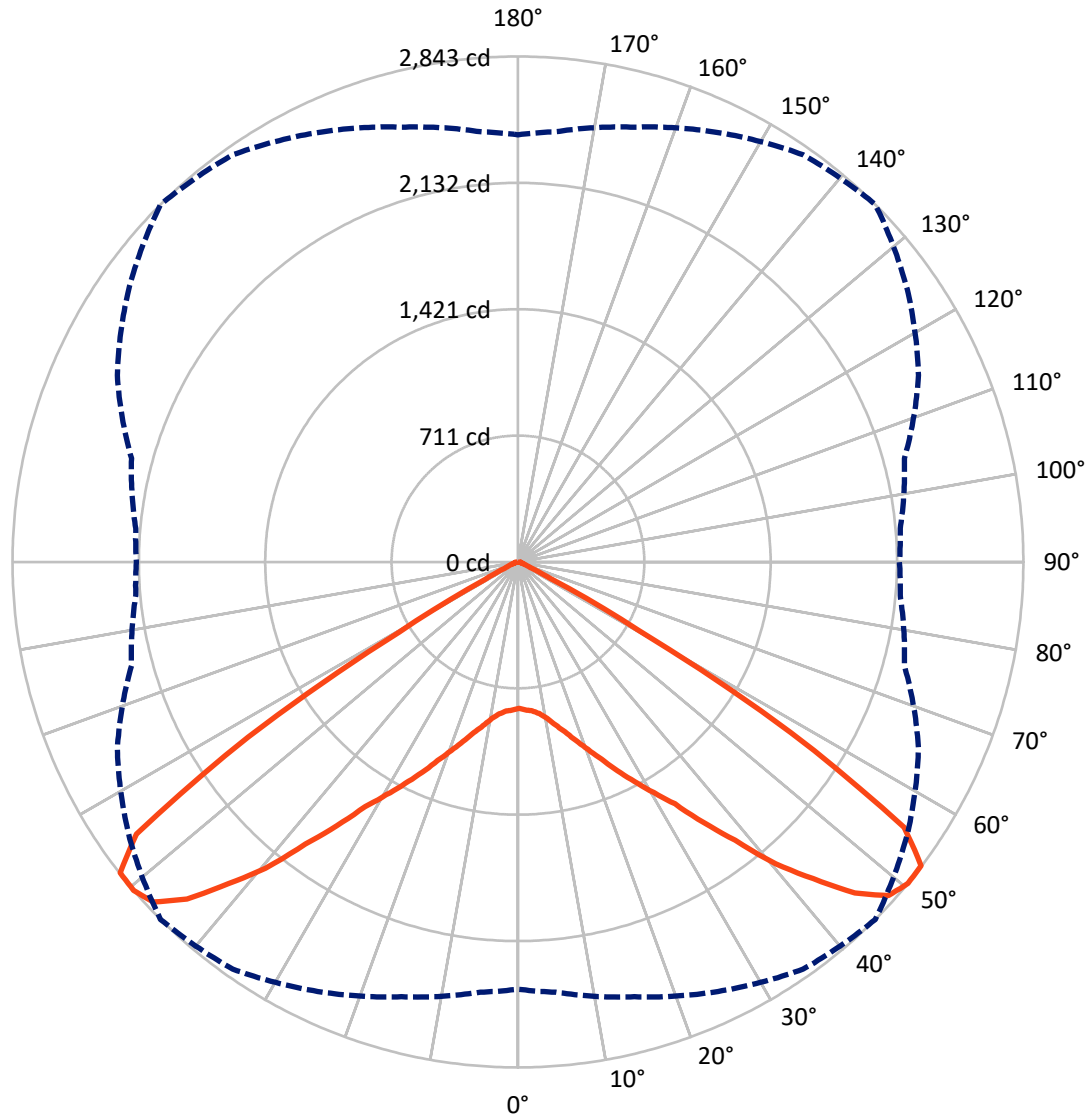
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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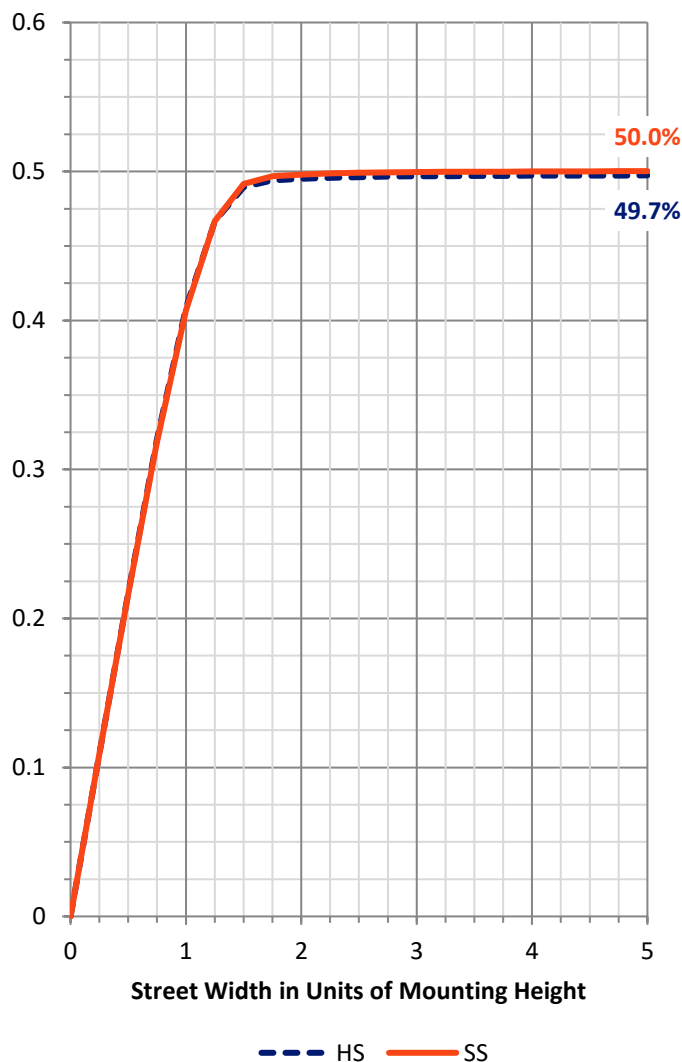
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2971.5	0.0	2971.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2971.5	0.0	2971.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5943.0	0.0	5943.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.0	1.4
10°-20°	282.5	4.8
20°-30°	577.0	9.7
30°-40°	1100.3	18.5
40°-50°	1854.2	31.2
50°-60°	1768.3	29.8
60°-70°	246.9	4.2
70°-80°	23.6	0.4
80°-90°	8.2	0.1
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°	5943.0	100.0
0°-180°	5943.0	100.0

**Coefficient of Utilization**



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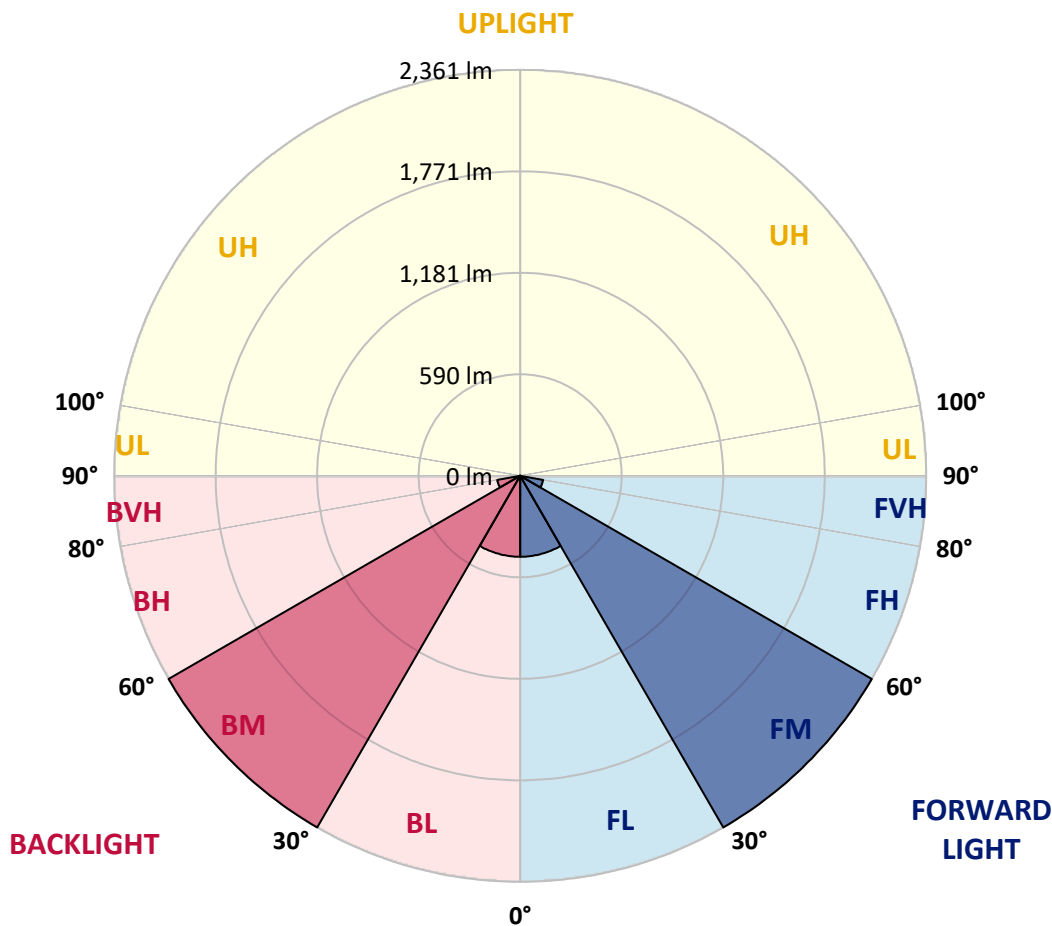
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	470.7	7.9			
FM (30°-60°)	2361.5	39.7			
FH (60°-80°)	135.2	2.3			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	470.7	7.9	B1/500		
BM (30°-60°)	2361.5	39.7	B2/2500		
BH (60°-80°)	135.2	2.3	B1/500		G0/660
BVH (80°-90°)	4.1	0.1			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°	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9
2.5°	820.9	820.9	819.9	827.9	823.9	832.9	831.9	834.9	837.9	836.9	844.9
5°	813.9	812.9	812.9	821.9	830.9	840.9	849.9	855.9	865.9	865.9	875.9
7.5°	820.9	815.9	822.9	826.9	843.9	860.9	875.9	887.9	910.9	918.9	915.9
10°	822.9	828.9	833.9	845.9	866.9	892.9	905.9	935.9	961.9	979.9	983.9
12.5°	835.9	844.9	858.9	887.9	906.9	940.9	958.9	987.9	1023.9	1043.9	1057.9
15°	860.9	863.9	881.9	918.9	959.9	990.9	1018.9	1039.9	1074.9	1097.9	1098.9
17.5°	892.9	905.9	930.9	965.9	1008.9	1054.9	1076.9	1099.9	1112.9	1143.9	1150.9
20°	956.9	958.9	982.9	1028.9	1082.9	1124.9	1140.9	1152.9	1147.9	1179.9	1185.9
22.5°	1016.9	1018.9	1048.9	1110.9	1168.9	1204.9	1211.9	1204.9	1189.9	1212.9	1214.9
25°	1077.9	1095.9	1117.9	1179.9	1251.9	1299.9	1300.9	1281.9	1250.9	1254.9	1264.9
27.5°	1172.9	1185.9	1208.9	1265.9	1344.9	1398.9	1389.9	1366.9	1326.9	1329.9	1326.9
30°	1283.9	1295.9	1314.9	1387.9	1445.9	1504.9	1517.9	1495.9	1435.9	1422.9	1437.9
32.5°	1417.9	1434.9	1469.9	1536.9	1585.9	1621.9	1630.9	1622.9	1566.9	1561.9	1571.9
35°	1580.9	1603.9	1635.9	1694.9	1734.9	1799.9	1799.9	1772.9	1721.9	1727.9	1726.9
37.5°	1752.9	1786.9	1836.8	1896.8	1950.8	1985.8	1974.8	1951.8	1900.8	1887.8	1900.8
40°	1968.8	1985.8	2048.8	2126.8	2192.8	2232.8	2185.8	2135.8	2013.8	2032.8	2067.8
42.5°	2165.8	2192.8	2240.8	2326.8	2401.8	2434.8	2378.8	2279.8	2132.8	2117.8	2143.8
45°	2333.8	2362.8	2425.8	2548.8	2627.8	2656.8	2532.8	2372.8	2204.8	2166.8	2177.8
47.5°	2445.8	2460.8	2548.8	2665.8	2737.8	2803.8	2625.8	2436.8	2238.8	2166.8	2162.8
50°	2402.8	2428.8	2531.8	2664.8	2795.8	2842.8	2672.8	2485.8	2249.8	2157.8	2145.8
52.5°	2133.8	2178.8	2293.8	2472.8	2670.8	2838.8	2737.8	2469.8	2245.8	2166.8	2184.8
55°	1484.9	1485.9	1625.9	1889.8	2239.8	2635.8	2642.8	2487.8	2271.8	2222.8	2223.8
57.5°	597.0	626.9	733.9	998.9	1321.9	1809.8	2151.8	2307.8	2274.8	2262.8	2293.8
60°	151.0	152.0	185.0	282.0	465.0	775.9	1126.9	1524.9	1755.9	1834.8	1845.8
62.5°	77.0	78.0	86.0	100.0	127.0	208.0	370.0	587.0	834.9	960.9	993.9
65°	63.0	63.0	68.0	75.0	76.0	80.0	96.0	137.0	199.0	226.0	229.0
67.5°	48.0	48.0	52.0	56.0	58.0	57.0	55.0	57.0	69.0	66.0	64.0
70°	30.0	31.0	33.0	37.0	39.0	40.0	41.0	43.0	49.0	51.0	49.0
72.5°	18.0	18.0	19.0	22.0	25.0	27.0	30.0	32.0	35.0	40.0	39.0
75°	8.0	8.0	10.0	13.0	16.0	19.0	22.0	25.0	27.0	30.0	31.0
77.5°	2.0	3.0	5.0	9.0	12.0	16.0	20.0	23.0	25.0	25.0	24.0
80°	1.0	1.0	4.0	7.0	13.0	17.0	22.0	24.0	27.0	25.0	22.0
82.5°	1.0	1.0	4.0	7.0	12.0	17.0	23.0	26.0	28.0	25.0	21.0
85°	0.0	1.0	3.0	6.0	10.0	12.0	10.0	7.0	4.0	4.0	3.0
87.5°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)