

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: P647816

Luminaire Tested: **GALN-SA3A-835-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647816  
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-SA3A-835-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3500K, 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: 6907.6 lumens  
Efficiency: N/A  
Efficacy: 74.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

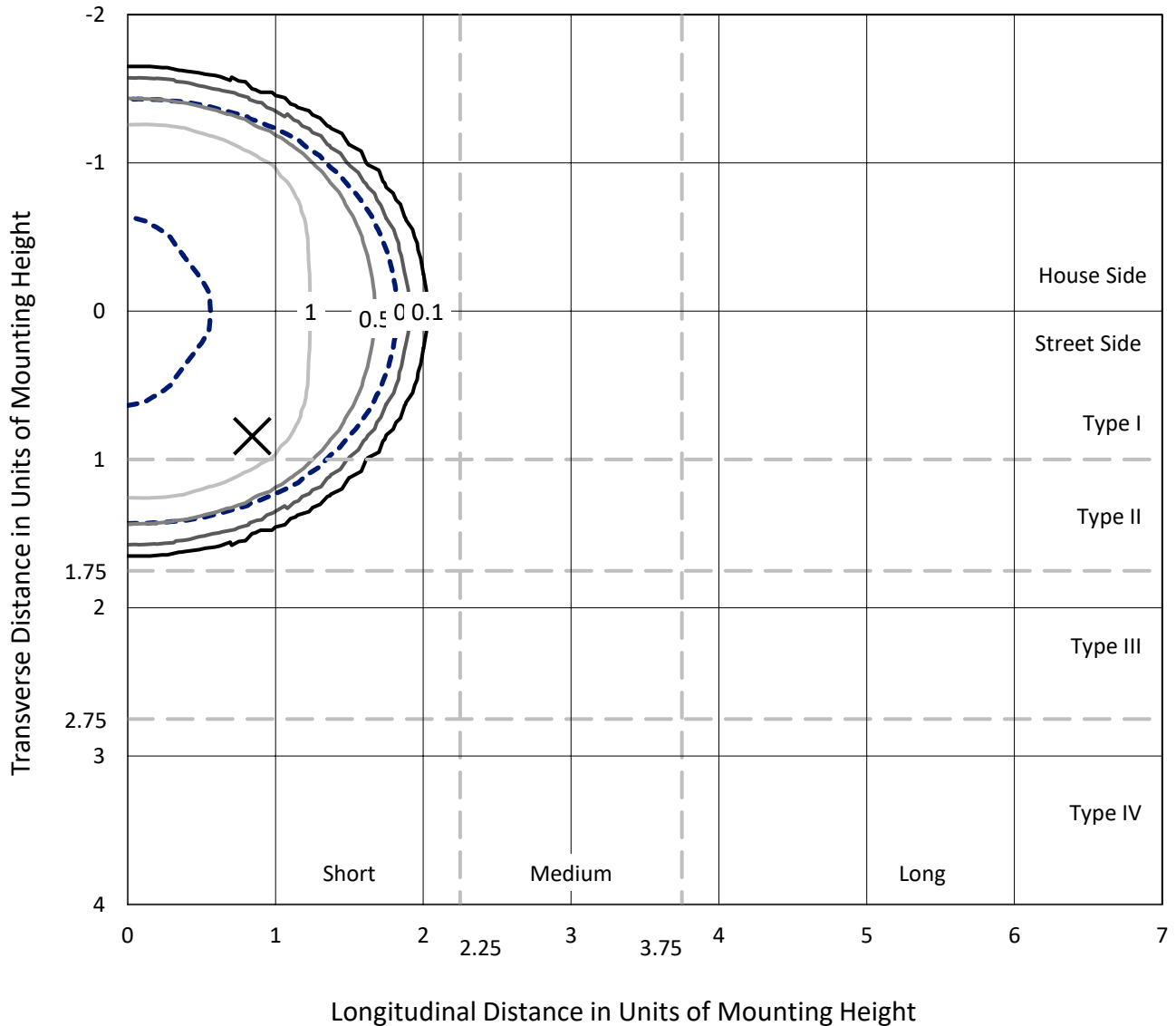
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

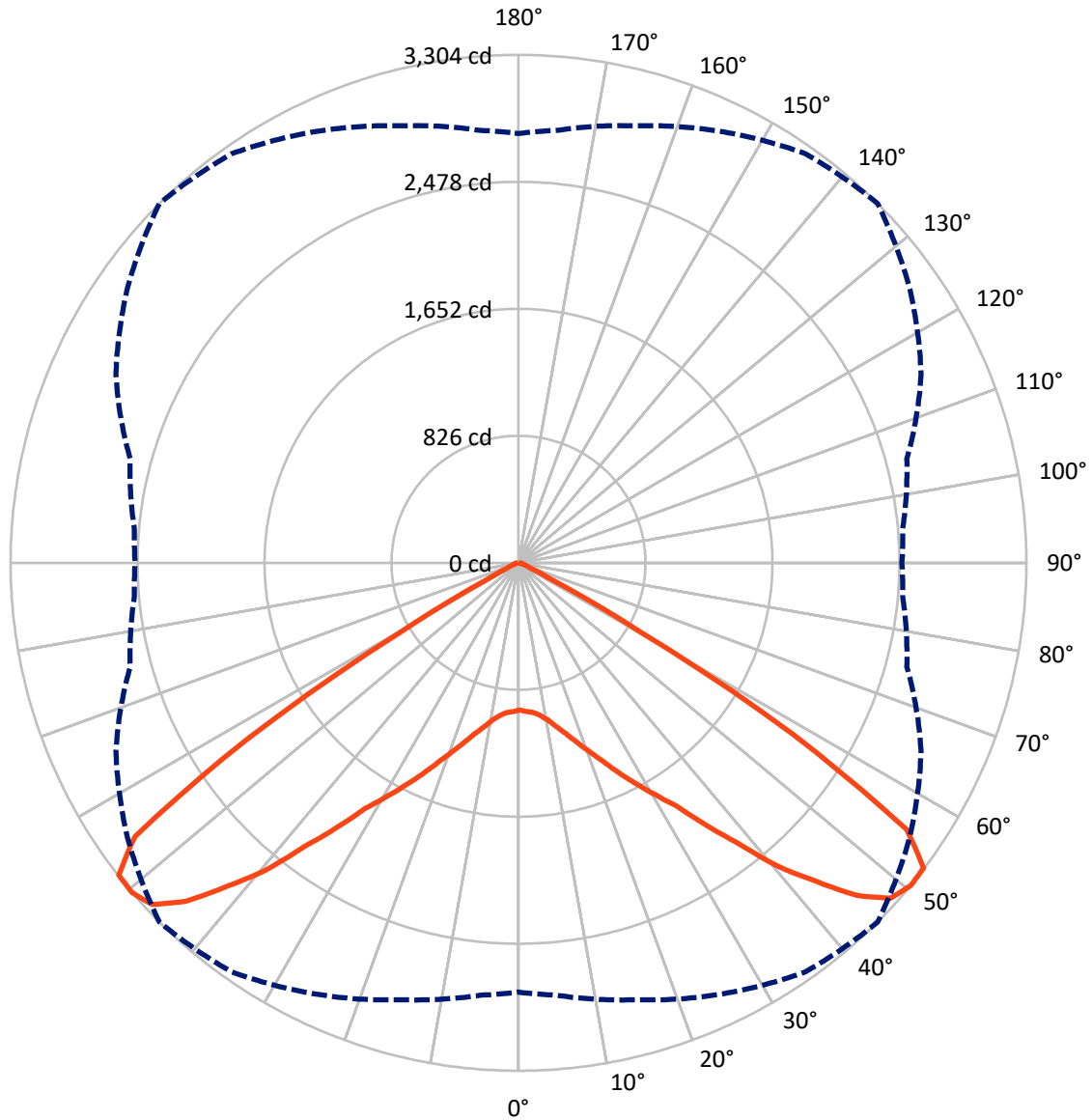
× Max cd  
 - - - 1/2 Max cd



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 50-Deg Vertical

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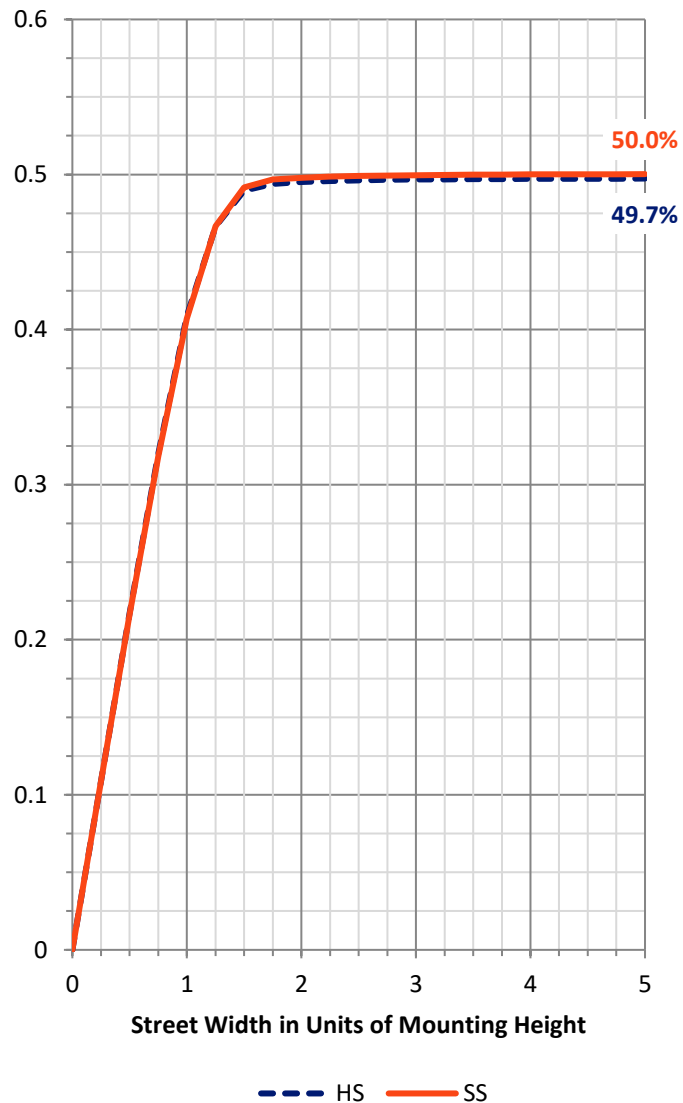
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3453.8	0.0	3453.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3453.8	0.0	3453.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6907.6	0.0	6907.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.3	1.4
10°-20°	328.4	4.8
20°-30°	670.7	9.7
30°-40°	1278.9	18.5
40°-50°	2155.2	31.2
50°-60°	2055.4	29.8
60°-70°	286.9	4.2
70°-80°	27.4	0.4
80°-90°	9.5	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°	6907.6	100.0
0°-180°	6907.6	100.0

**Coefficient of Utilization**

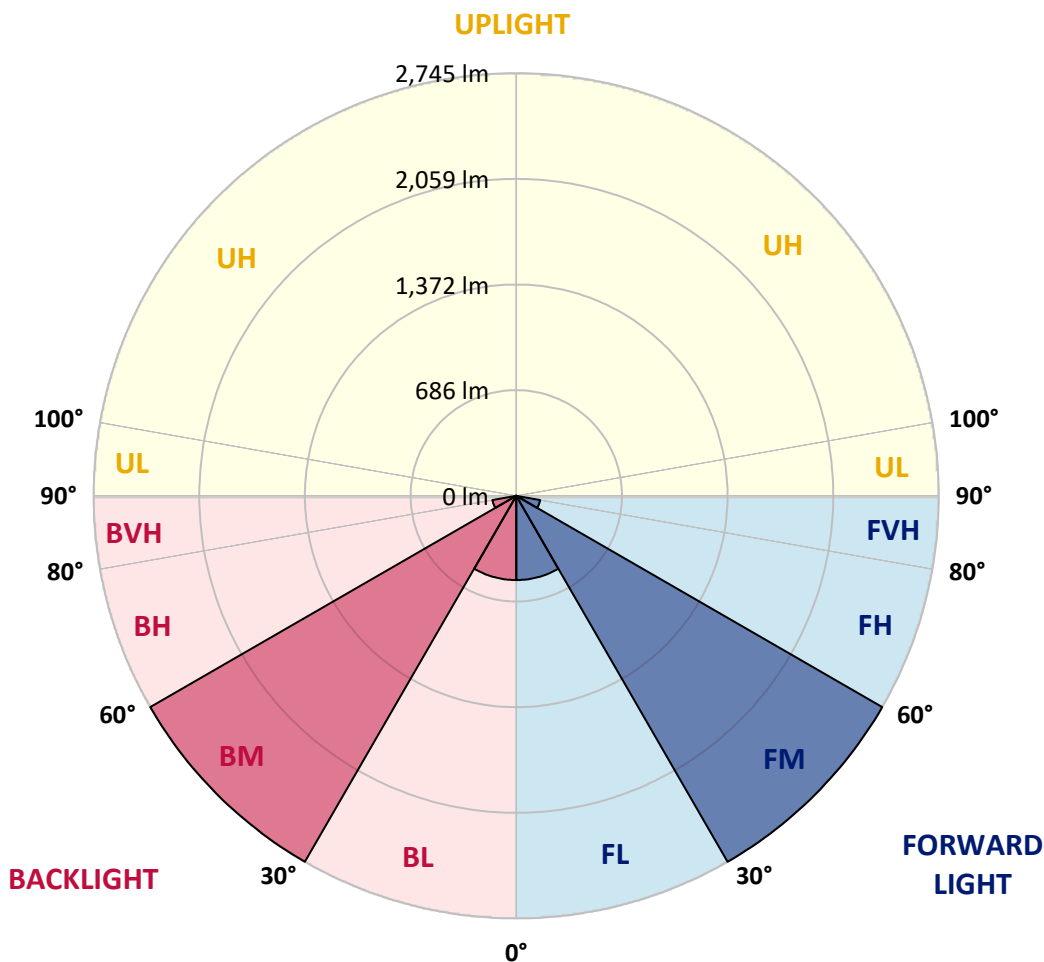


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.2	7.9			
FM (30°-60°)	2744.7	39.7			
FH (60°-80°)	157.2	2.3			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	547.2	7.9	B2/1000		
BM (30°-60°)	2744.7	39.7	B3/5000		
BH (60°-80°)	157.2	2.3	B1/500		G0/660
BVH (80°-90°)	4.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	957.7	957.7	957.7	957.7	957.7	957.7	957.7	957.7	957.7	957.7	957.7
2.5°	954.2	954.2	953.0	962.3	957.7	968.1	966.9	970.5	974.0	972.8	982.0
5°	946.0	944.8	944.8	955.3	965.8	977.4	987.9	994.9	1006.5	1006.5	1018.1
7.5°	954.2	948.4	956.5	961.1	980.9	1000.7	1018.1	1032.1	1058.8	1068.1	1064.6
10°	956.5	963.5	969.3	983.2	1007.6	1037.9	1053.0	1087.8	1118.0	1139.0	1143.6
12.5°	971.6	982.0	998.3	1032.1	1054.2	1093.6	1114.6	1148.3	1190.1	1213.3	1229.6
15°	1000.7	1004.1	1025.1	1068.1	1115.7	1151.8	1184.3	1208.7	1249.4	1276.1	1277.3
17.5°	1037.9	1053.0	1082.0	1122.7	1172.7	1226.1	1251.7	1278.4	1293.5	1329.6	1337.7
20°	1112.3	1114.6	1142.5	1196.0	1258.7	1307.5	1326.1	1340.0	1334.2	1371.4	1378.4
22.5°	1181.9	1184.3	1219.1	1291.2	1358.7	1400.5	1408.6	1400.5	1383.0	1409.8	1412.1
25°	1252.9	1273.8	1299.4	1371.4	1455.1	1510.9	1512.1	1490.0	1454.0	1458.6	1470.2
27.5°	1363.3	1378.4	1405.1	1471.3	1563.2	1626.0	1615.5	1588.8	1542.3	1545.7	1542.3
30°	1492.3	1506.3	1528.3	1613.1	1680.6	1749.1	1764.3	1738.7	1669.0	1653.9	1671.2
32.5°	1648.1	1667.8	1708.4	1786.3	1843.3	1885.2	1895.6	1886.2	1821.2	1815.4	1827.0
35°	1837.5	1864.2	1901.4	1969.9	2016.5	2092.0	2092.0	2060.6	2001.3	2008.3	2007.1
37.5°	2037.4	2076.9	2135.0	2204.7	2267.5	2308.1	2295.4	2268.7	2209.4	2194.3	2209.4
40°	2288.4	2308.1	2381.4	2472.0	2548.7	2595.3	2540.6	2482.5	2340.7	2362.8	2403.5
42.5°	2517.3	2548.7	2604.5	2704.5	2791.6	2830.0	2764.9	2649.8	2479.0	2461.6	2491.8
45°	2712.6	2746.3	2819.5	2962.5	3054.3	3088.0	2943.9	2758.0	2562.7	2518.5	2531.3
47.5°	2842.8	2860.2	2962.5	3098.5	3182.1	3258.8	3052.0	2832.3	2602.2	2518.5	2513.9
50°	2792.8	2823.0	2942.7	3097.3	3249.5	3304.2	3106.6	2889.3	2615.0	2508.0	2494.1
52.5°	2480.2	2532.5	2666.1	2874.2	3104.3	3299.6	3182.1	2870.7	2610.4	2518.5	2539.4
55°	1725.9	1727.1	1889.8	2196.6	2603.4	3063.6	3071.7	2891.6	2640.6	2583.6	2584.8
57.5°	693.8	728.7	853.1	1161.0	1536.5	2103.6	2501.1	2682.4	2644.0	2630.1	2666.1
60°	175.5	176.6	215.0	327.8	540.4	901.9	1309.8	1772.4	2040.9	2132.7	2145.4
62.5°	89.5	90.7	100.0	116.2	147.6	241.7	430.0	682.2	970.5	1116.9	1155.2
65°	73.2	73.2	79.0	87.1	88.3	92.9	111.6	159.3	231.3	262.7	266.1
67.5°	55.7	55.7	60.4	65.1	67.4	66.2	63.9	66.2	80.2	76.7	74.4
70°	34.8	36.0	38.4	43.0	45.3	46.5	47.7	50.0	56.9	59.3	56.9
72.5°	20.9	20.9	22.1	25.6	29.0	31.4	34.8	37.2	40.7	46.5	45.3
75°	9.3	9.3	11.6	15.1	18.6	22.1	25.6	29.0	31.4	34.8	36.0
77.5°	2.3	3.5	5.8	10.5	13.9	18.6	23.3	26.7	29.0	29.0	27.9
80°	1.2	1.2	4.6	8.1	15.1	19.7	25.6	27.9	31.4	29.0	25.6
82.5°	1.2	1.2	4.6	8.1	13.9	19.7	26.7	30.2	32.6	29.0	24.4
85°	0.0	1.2	3.5	7.0	11.6	13.9	11.6	8.1	4.6	4.6	3.5
87.5°	0.0	0.0	1.2	1.2	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)