

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: P528905

Luminaire Tested: **GALN-SA4A-735-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528905  
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-SA4A-735-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 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: 10891 lumens  
Efficiency: N/A  
Efficacy: 90.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

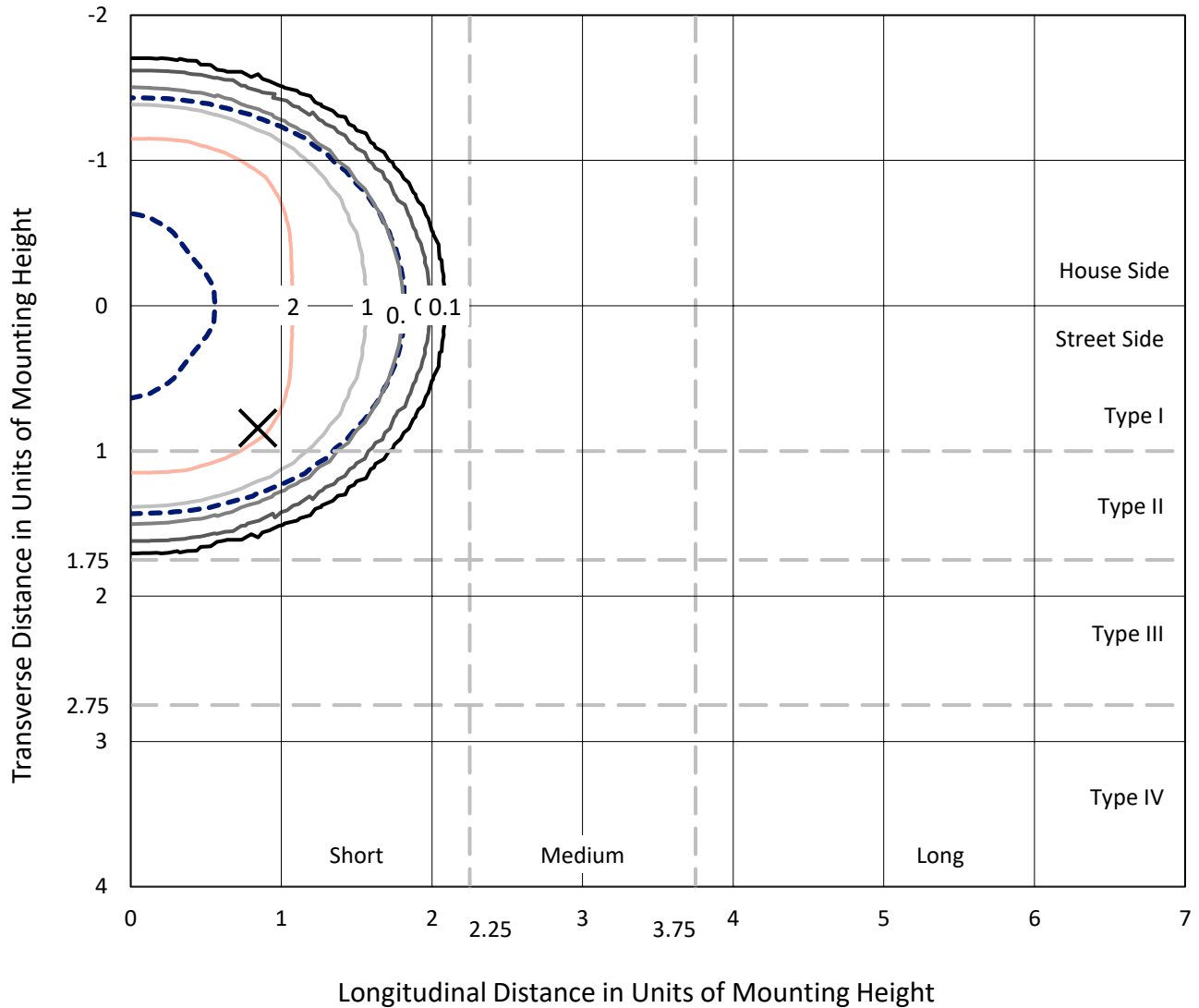
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

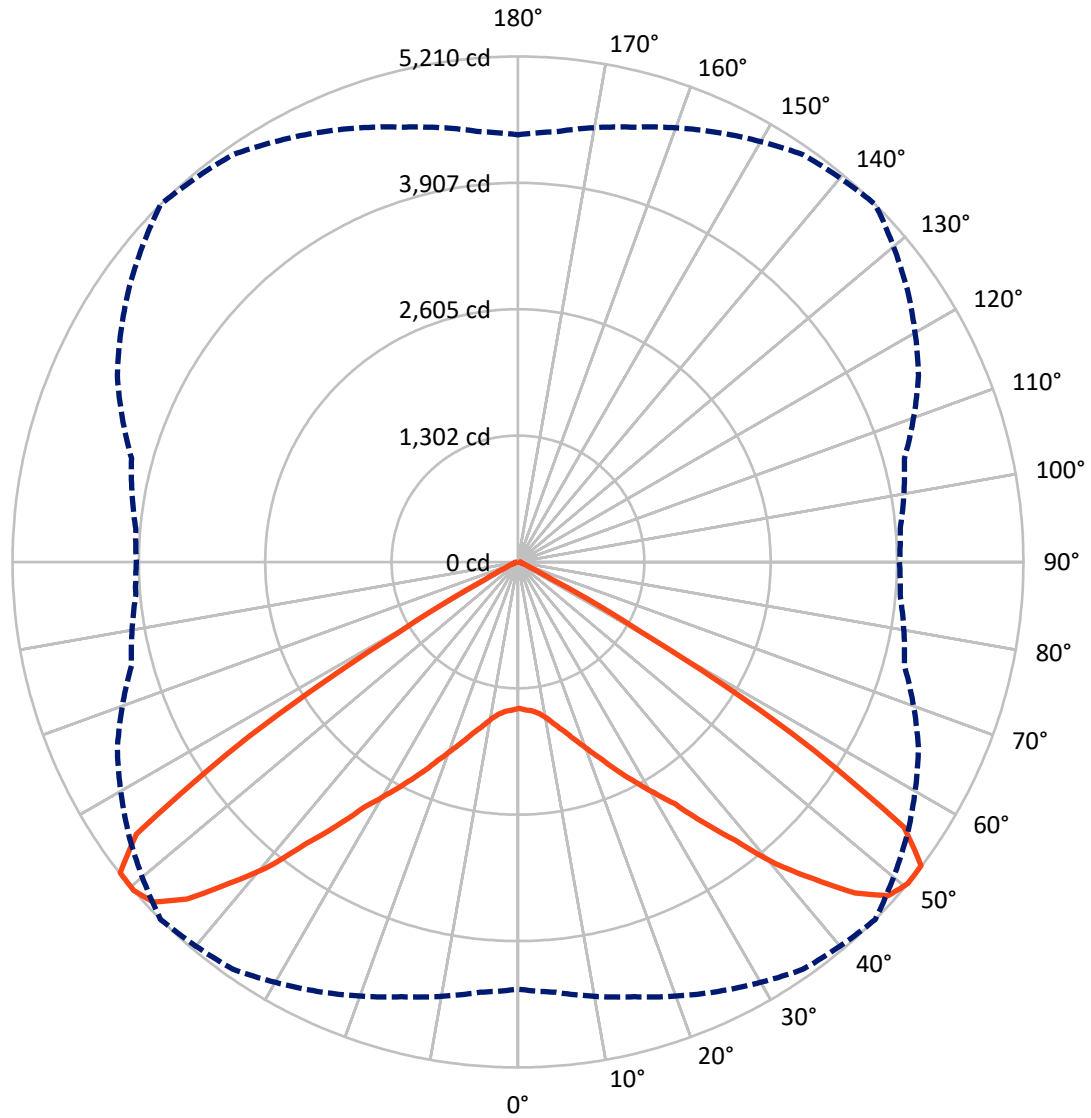
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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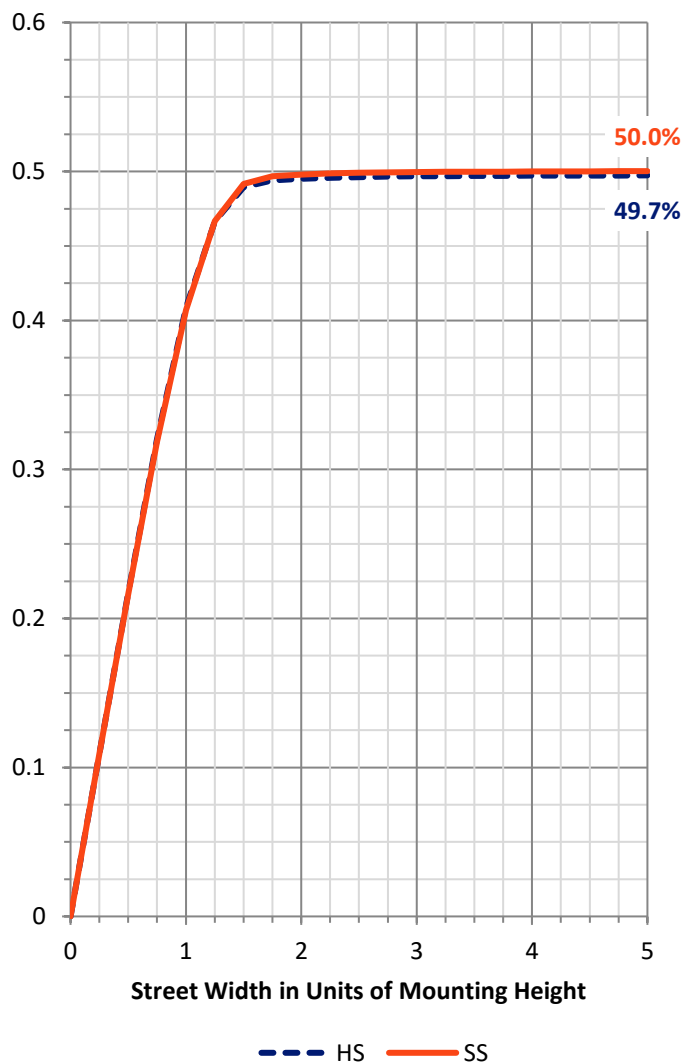
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5445.5	0.0	5445.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5445.5	0.0	5445.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10891.0	0.0	10891.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.2	1.4
10°-20°	517.7	4.8
20°-30°	1057.4	9.7
30°-40°	2016.4	18.5
40°-50°	3398.0	31.2
50°-60°	3240.6	29.8
60°-70°	452.4	4.2
70°-80°	43.3	0.4
80°-90°	14.9	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°	10891.0	100.0
0°-180°	10891.0	100.0

**Coefficient of Utilization**



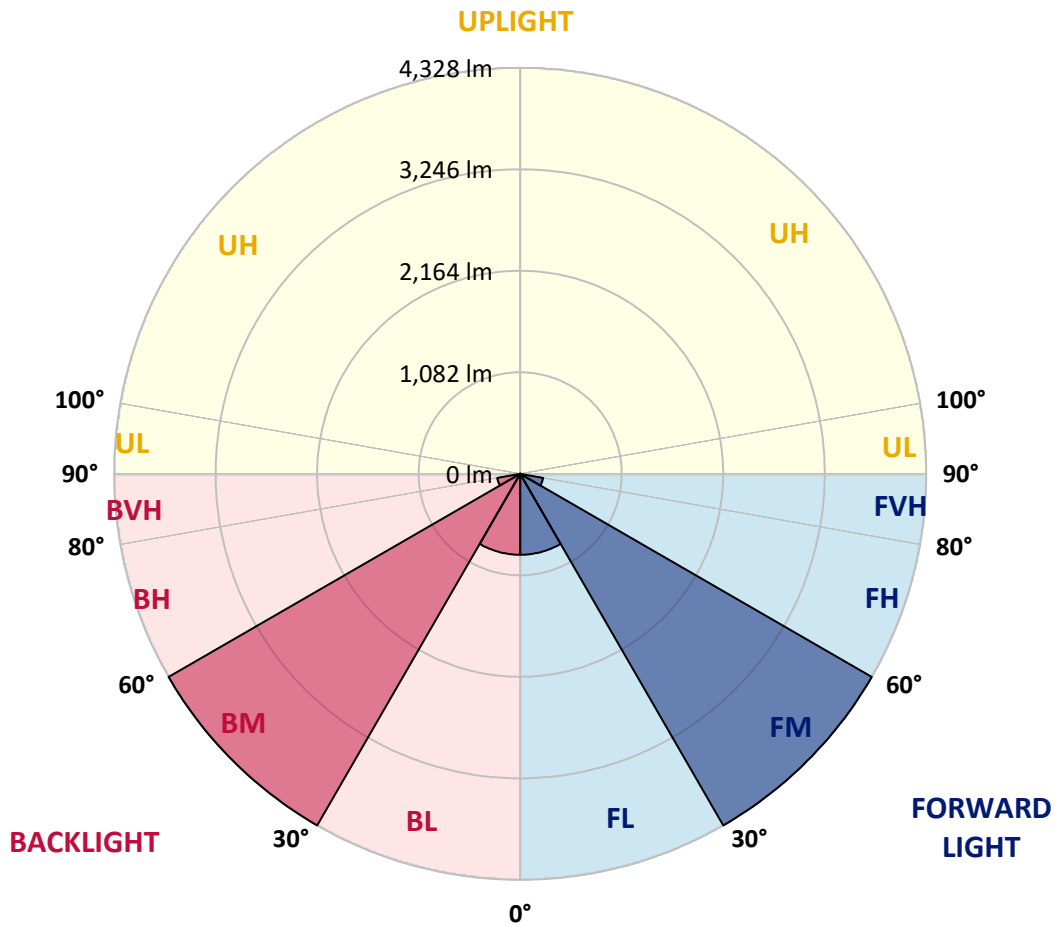
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	862.7	7.9			
FM (30°-60°)	4327.5	39.7			
FH (60°-80°)	247.8	2.3			G0/660
FVH (80°-90°)	7.5	0.1			G0/10
BL (0°-30°)	862.7	7.9	B2/1000		
BM (30°-60°)	4327.5	39.7	B3/5000		
BH (60°-80°)	247.8	2.3	B1/500		G0/660
BVH (80°-90°)	7.5	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°	1509.9	1509.9	1509.9	1509.9	1509.9	1509.9	1509.9	1509.9	1509.9	1509.9	1509.9
2.5°	1504.4	1504.4	1502.6	1517.2	1509.9	1526.4	1524.6	1530.1	1535.6	1533.7	1548.4
5°	1491.6	1489.8	1489.8	1506.3	1522.7	1541.1	1557.6	1568.6	1586.9	1586.9	1605.2
7.5°	1504.4	1495.3	1508.1	1515.4	1546.6	1577.7	1605.2	1627.2	1669.3	1684.0	1678.5
10°	1508.1	1519.1	1528.2	1550.2	1588.7	1636.4	1660.2	1715.1	1762.8	1795.8	1803.1
12.5°	1531.9	1548.4	1574.1	1627.2	1662.0	1724.3	1757.3	1810.4	1876.4	1913.1	1938.7
15°	1577.7	1583.2	1616.2	1684.0	1759.1	1815.9	1867.2	1905.7	1969.9	2012.0	2013.8
17.5°	1636.4	1660.2	1706.0	1770.1	1848.9	1933.2	1973.5	2015.7	2039.5	2096.3	2109.1
20°	1753.6	1757.3	1801.3	1885.6	1984.5	2061.5	2090.8	2112.8	2103.6	2162.3	2173.3
22.5°	1863.6	1867.2	1922.2	2035.8	2142.1	2208.1	2220.9	2208.1	2180.6	2222.7	2226.4
25°	1975.4	2008.3	2048.6	2162.3	2294.2	2382.2	2384.0	2349.2	2292.4	2299.7	2318.0
27.5°	2149.4	2173.3	2215.4	2319.8	2464.6	2563.6	2547.1	2504.9	2431.6	2437.1	2431.6
30°	2352.8	2374.8	2409.6	2543.4	2649.7	2757.8	2781.6	2741.3	2631.4	2607.5	2635.0
32.5°	2598.4	2629.5	2693.7	2816.4	2906.2	2972.2	2988.7	2974.0	2871.4	2862.2	2880.6
35°	2897.1	2939.2	2997.8	3106.0	3179.3	3298.4	3298.4	3248.9	3155.4	3166.4	3164.6
37.5°	3212.2	3274.5	3366.2	3476.1	3575.1	3639.2	3619.0	3576.9	3483.4	3459.6	3483.4
40°	3608.0	3639.2	3754.6	3897.6	4018.5	4091.8	4005.7	3914.1	3690.5	3725.3	3789.5
42.5°	3969.0	4018.5	4106.5	4264.1	4401.5	4462.0	4359.3	4177.9	3908.6	3881.1	3928.7
45°	4276.9	4330.0	4445.5	4670.8	4815.6	4868.8	4641.5	4348.3	4040.5	3970.9	3991.0
47.5°	4482.1	4509.6	4670.8	4885.2	5017.2	5138.1	4811.9	4465.6	4102.8	3970.9	3963.5
50°	4403.3	4451.0	4639.7	4883.4	5123.5	5209.6	4898.1	4555.4	4123.0	3954.4	3932.4
52.5°	3910.4	3992.9	4203.6	4531.6	4894.4	5202.3	5017.2	4526.1	4115.6	3970.9	4003.8
55°	2721.1	2723.0	2979.5	3463.3	4104.6	4830.3	4843.1	4559.1	4163.3	4073.5	4075.3
57.5°	1094.0	1148.9	1345.0	1830.6	2422.5	3316.7	3943.4	4229.2	4168.8	4146.8	4203.6
60°	276.7	278.5	339.0	516.7	852.1	1422.0	2065.1	2794.4	3217.7	3362.5	3382.7
62.5°	141.1	142.9	157.6	183.2	232.7	381.1	678.0	1075.6	1530.1	1761.0	1821.4
65°	115.4	115.4	124.6	137.4	139.3	146.6	175.9	251.0	364.7	414.1	419.6
67.5°	88.0	88.0	95.3	102.6	106.3	104.4	100.8	104.4	126.4	120.9	117.3
70°	55.0	56.8	60.5	67.8	71.5	73.3	75.1	78.8	89.8	93.5	89.8
72.5°	33.0	33.0	34.8	40.3	45.8	49.5	55.0	58.6	64.1	73.3	71.5
75°	14.7	14.7	18.3	23.8	29.3	34.8	40.3	45.8	49.5	55.0	56.8
77.5°	3.7	5.5	9.2	16.5	22.0	29.3	36.6	42.1	45.8	45.8	44.0
80°	1.8	1.8	7.3	12.8	23.8	31.2	40.3	44.0	49.5	45.8	40.3
82.5°	1.8	1.8	7.3	12.8	22.0	31.2	42.1	47.6	51.3	45.8	38.5
85°	0.0	1.8	5.5	11.0	18.3	22.0	18.3	12.8	7.3	7.3	5.5
87.5°	0.0	0.0	1.8	1.8	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)