

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: P651886

Luminaire Tested: **GALN-SA5A-840-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P651886  
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-SA5A-840-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 80 CRI, 4000K, 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: 12446.8 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

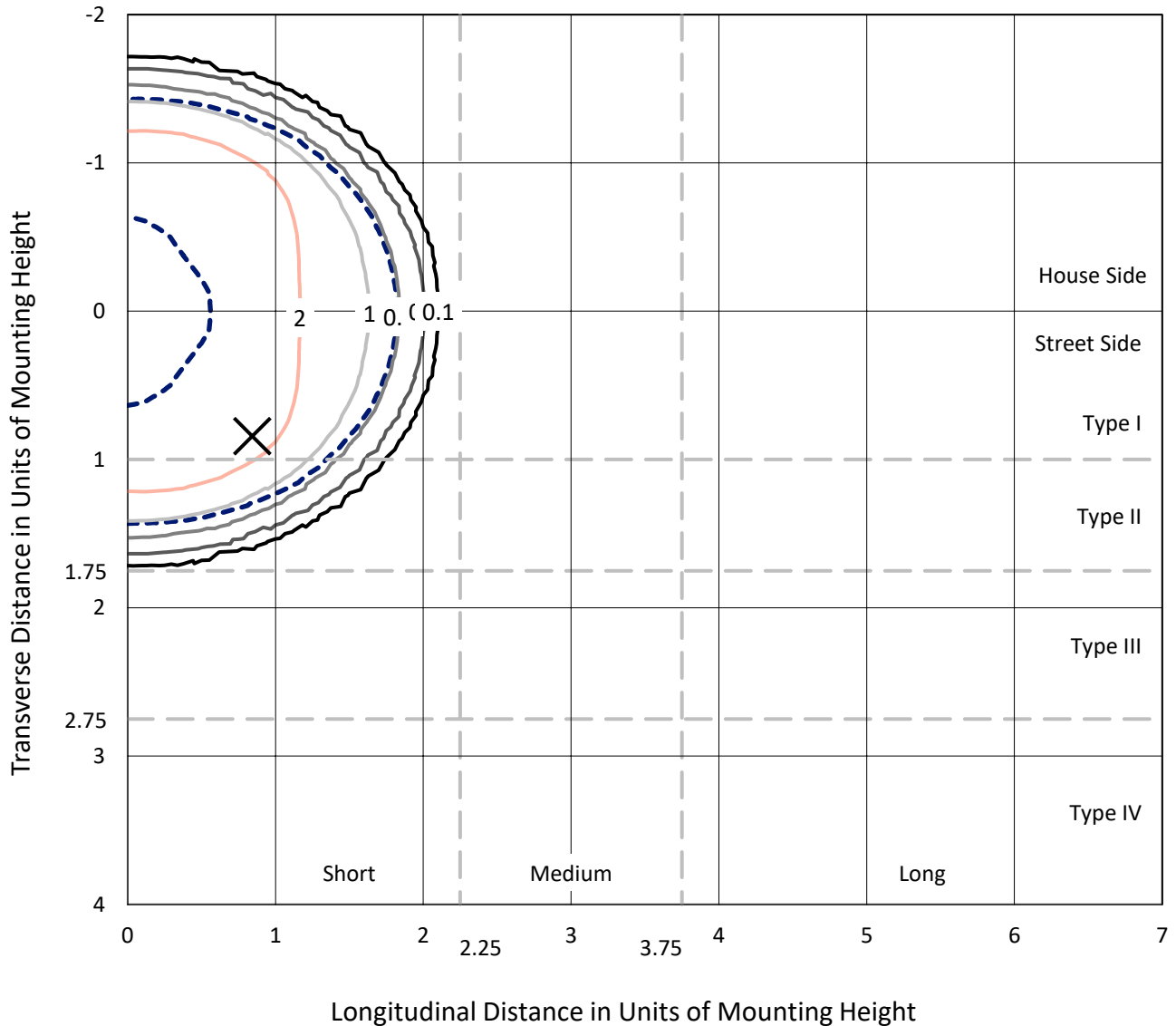
Input Watts (W): 154  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

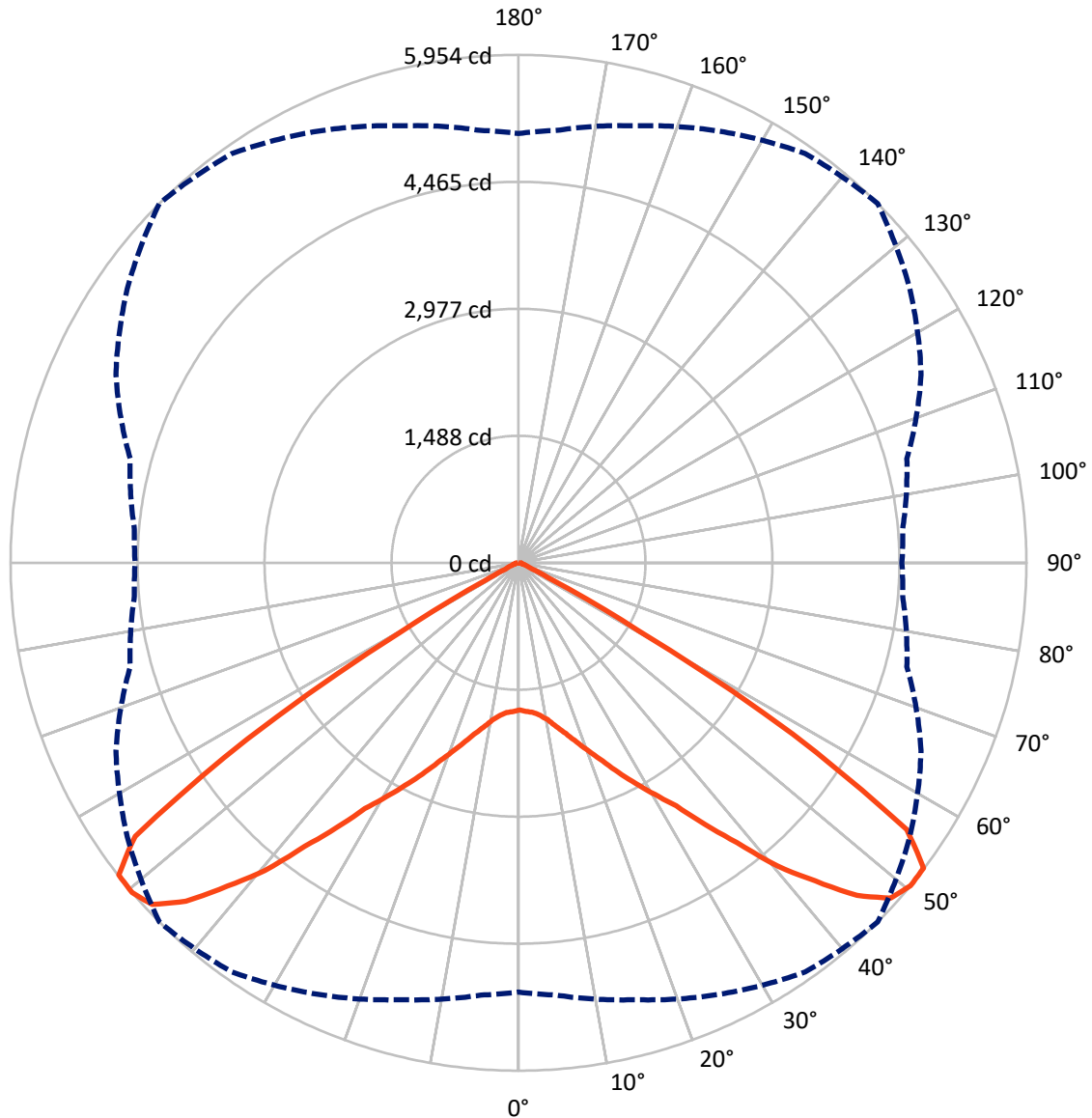
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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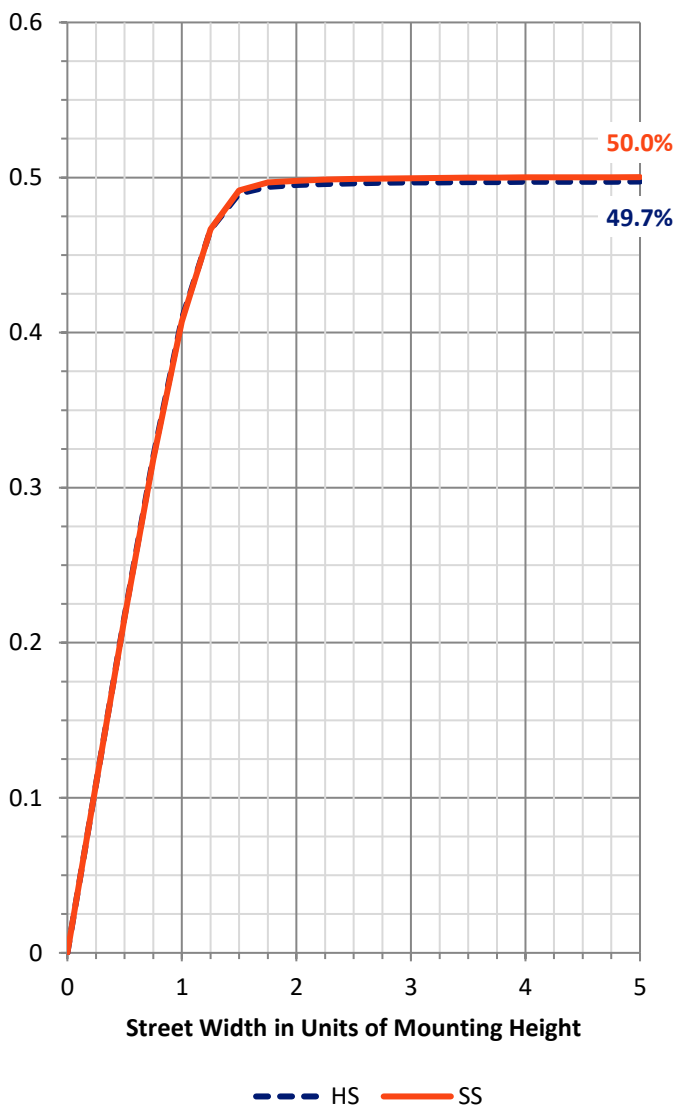
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6223.4	0.0	6223.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6223.4	0.0	6223.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12446.8	0.0	12446.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.7	1.4
10°-20°	591.7	4.8
20°-30°	1208.4	9.7
30°-40°	2304.5	18.5
40°-50°	3883.4	31.2
50°-60°	3703.5	29.8
60°-70°	517.0	4.2
70°-80°	49.4	0.4
80°-90°	17.1	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°	12446.8	100.0
0°-180°	12446.8	100.0

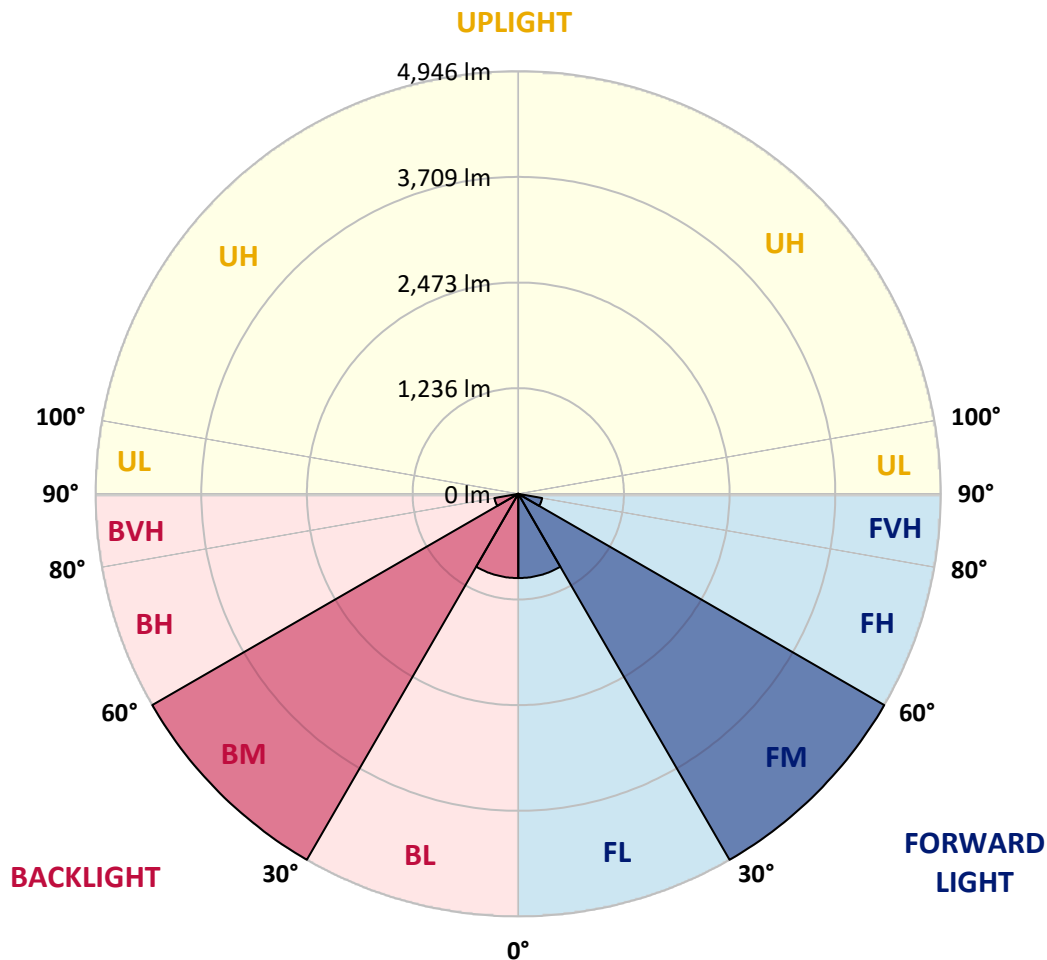


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	985.9	7.9			
FM (30°-60°)	4945.7	39.7			
FH (60°-80°)	283.2	2.3			G0/660
FVH (80°-90°)	8.5	0.1			G0/10
BL (0°-30°)	985.9	7.9	B2/1000		
BM (30°-60°)	4945.7	39.7	B3/5000		
BH (60°-80°)	283.2	2.3	B1/500		G0/660
BVH (80°-90°)	8.5	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°	1725.6	1725.6	1725.6	1725.6	1725.6	1725.6	1725.6	1725.6	1725.6	1725.6	1725.6
2.5°	1719.3	1719.3	1717.2	1734.0	1725.6	1744.5	1742.4	1748.6	1754.9	1752.8	1769.5
5°	1704.7	1702.6	1702.6	1721.4	1740.3	1761.2	1780.1	1792.6	1813.5	1813.5	1834.5
7.5°	1719.3	1708.8	1723.5	1731.9	1767.5	1803.1	1834.5	1859.6	1907.8	1924.5	1918.2
10°	1723.5	1736.1	1746.6	1771.7	1815.6	1870.1	1897.3	1960.2	2014.6	2052.3	2060.7
12.5°	1750.7	1769.5	1798.9	1859.6	1899.4	1970.6	2008.3	2069.0	2144.5	2186.3	2215.6
15°	1803.1	1809.4	1847.1	1924.5	2010.4	2075.3	2134.0	2177.9	2251.3	2299.4	2301.5
17.5°	1870.1	1897.3	1949.7	2023.0	2113.0	2209.4	2255.5	2303.6	2330.8	2395.8	2410.4
20°	2004.1	2008.3	2058.6	2154.9	2268.0	2356.0	2389.4	2414.6	2404.2	2471.1	2483.7
22.5°	2129.7	2134.0	2196.8	2326.6	2448.1	2523.5	2538.1	2523.5	2492.1	2540.2	2544.4
25°	2257.5	2295.3	2341.3	2471.1	2621.9	2722.5	2724.5	2684.7	2619.8	2628.2	2649.2
27.5°	2456.5	2483.7	2531.9	2651.3	2816.7	2929.8	2911.0	2862.8	2779.0	2785.3	2779.0
30°	2688.9	2714.1	2753.9	2906.7	3028.2	3151.7	3179.0	3132.9	3007.2	2980.0	3011.5
32.5°	2969.6	3005.1	3078.5	3218.8	3321.4	3396.8	3415.6	3398.9	3281.6	3271.2	3292.1
35°	3310.9	3359.0	3426.1	3549.6	3633.5	3769.5	3769.5	3713.0	3606.2	3618.7	3616.6
37.5°	3671.1	3742.3	3847.0	3972.7	4085.7	4159.1	4136.0	4087.8	3981.0	3953.8	3981.0
40°	4123.4	4159.1	4291.0	4454.4	4592.5	4676.3	4577.9	4473.2	4217.7	4257.5	4330.8
42.5°	4536.0	4592.5	4693.1	4873.2	5030.3	5099.3	4982.1	4774.8	4466.9	4435.5	4489.9
45°	4887.8	4948.5	5080.5	5338.1	5503.5	5564.2	5304.6	4969.5	4617.7	4538.1	4561.2
47.5°	5122.4	5153.8	5338.1	5583.1	5733.9	5872.1	5499.3	5103.5	4688.9	4538.1	4529.7
50°	5032.4	5086.8	5302.5	5581.0	5855.4	5953.8	5597.8	5206.1	4712.0	4519.3	4494.1
52.5°	4469.0	4563.3	4804.0	5179.0	5593.6	5945.4	5733.9	5172.7	4703.5	4538.1	4575.8
55°	3109.8	3112.0	3405.1	3958.0	4691.0	5520.3	5535.0	5210.3	4758.0	4655.4	4657.5
57.5°	1250.2	1313.1	1537.1	2092.1	2768.5	3790.5	4506.7	4833.4	4764.3	4739.1	4804.0
60°	316.2	318.3	387.4	590.6	973.8	1625.1	2360.2	3193.6	3677.4	3842.9	3865.9
62.5°	161.2	163.3	180.1	209.4	265.9	435.6	774.8	1229.3	1748.6	2012.5	2081.6
65°	132.0	132.0	142.4	157.1	159.1	167.5	201.1	286.9	416.7	473.3	479.5
67.5°	100.5	100.5	108.9	117.2	121.4	119.3	115.2	119.3	144.5	138.2	134.1
70°	62.8	64.9	69.1	77.5	81.7	83.8	85.9	90.1	102.6	106.8	102.6
72.5°	37.7	37.7	39.8	46.1	52.4	56.5	62.8	67.0	73.3	83.8	81.7
75°	16.7	16.7	20.9	27.2	33.5	39.8	46.1	52.4	56.5	62.8	64.9
77.5°	4.2	6.3	10.5	18.8	25.1	33.5	41.9	48.2	52.4	52.4	50.3
80°	2.1	2.1	8.4	14.6	27.2	35.6	46.1	50.3	56.5	52.4	46.1
82.5°	2.1	2.1	8.4	14.6	25.1	35.6	48.2	54.4	58.6	52.4	44.0
85°	0.0	2.1	6.3	12.5	20.9	25.1	20.9	14.6	8.4	8.4	6.3
87.5°	0.0	0.0	2.1	2.1	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)