

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: P529837

Luminaire Tested: **GALN-SA5A-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529837  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA5A-735-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

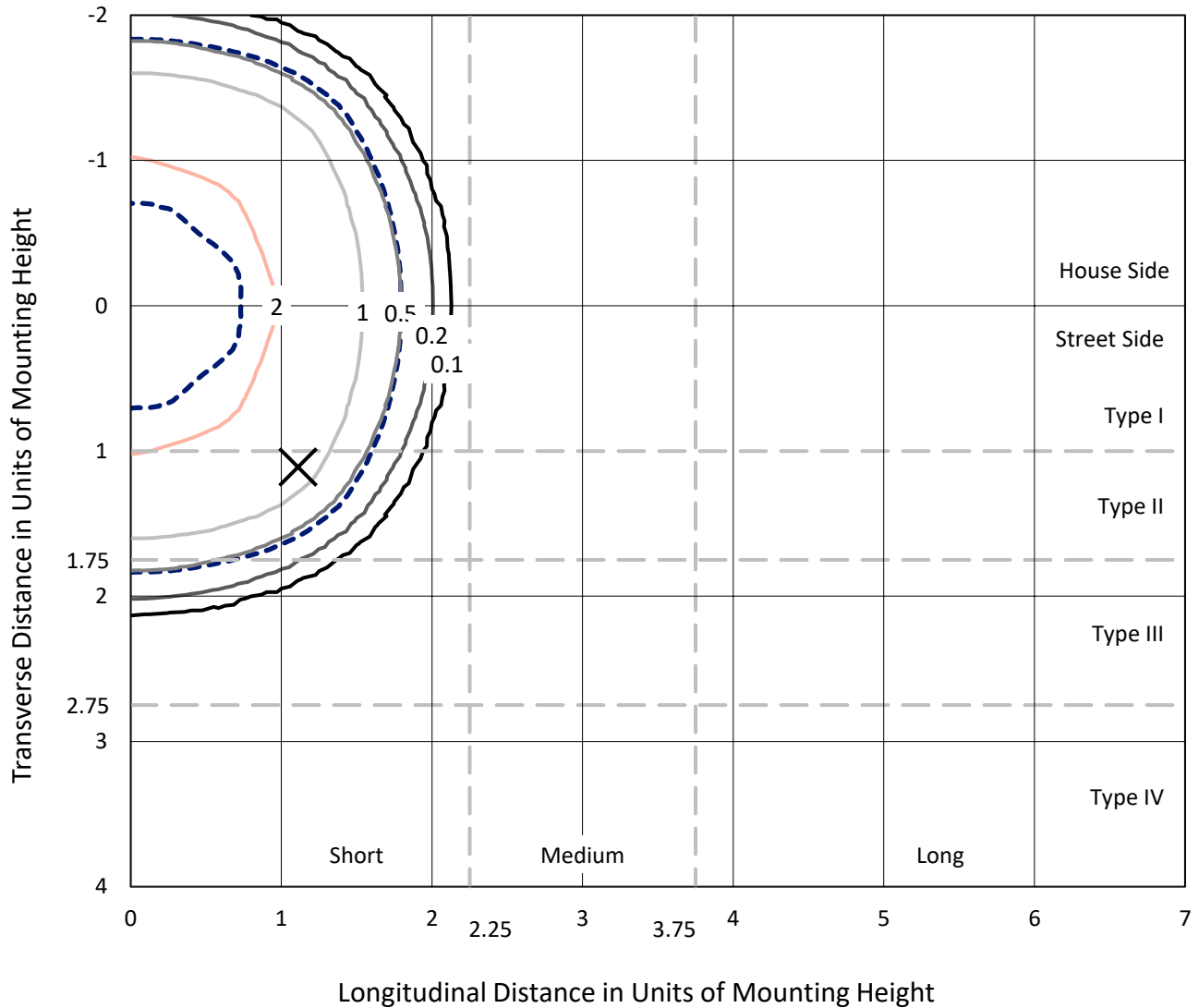
Lumens per Lamp: N/A  
Luminaire Lumens: 11128 lumens  
Efficiency: N/A  
Efficacy: 72.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 154  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

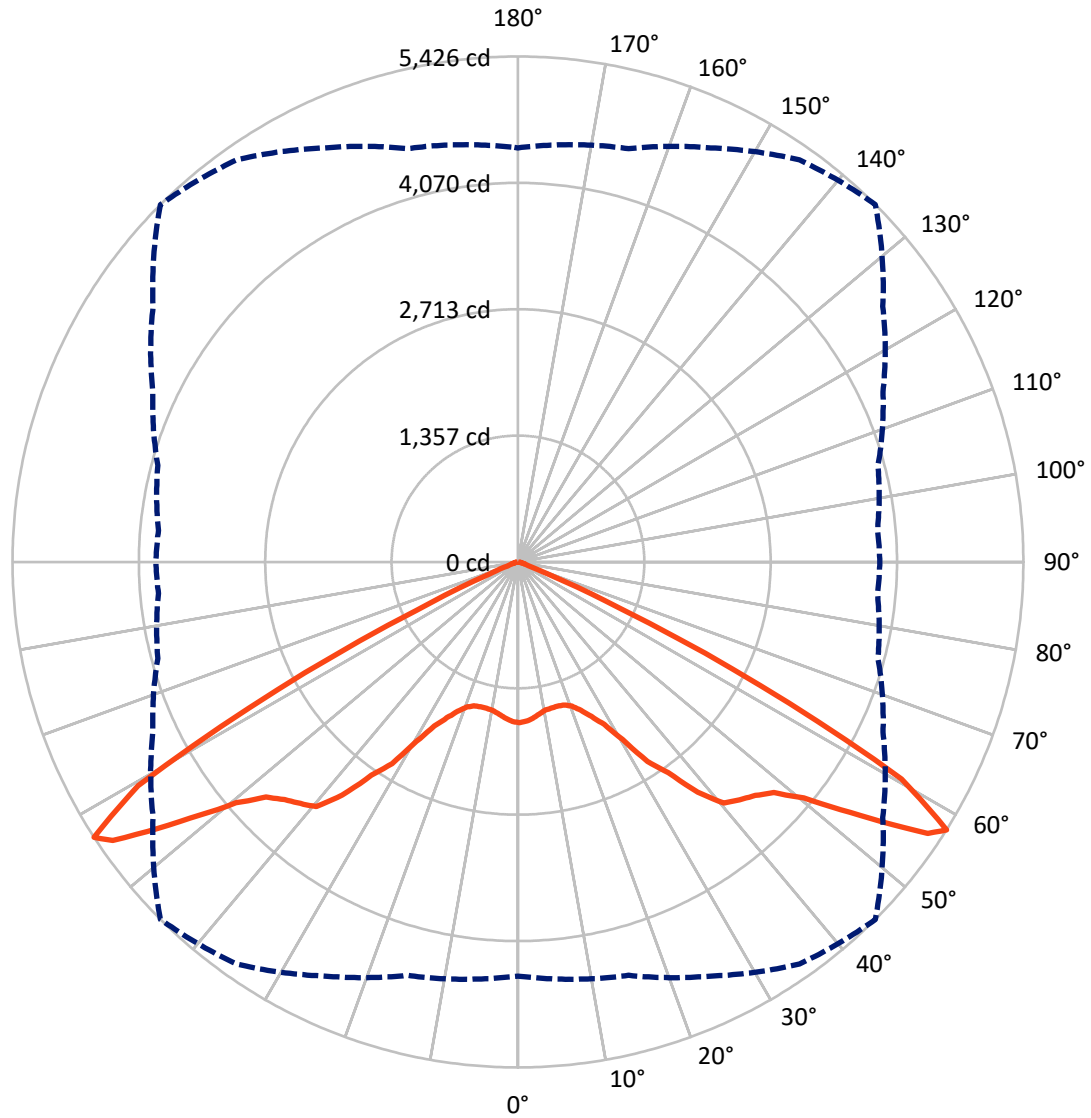
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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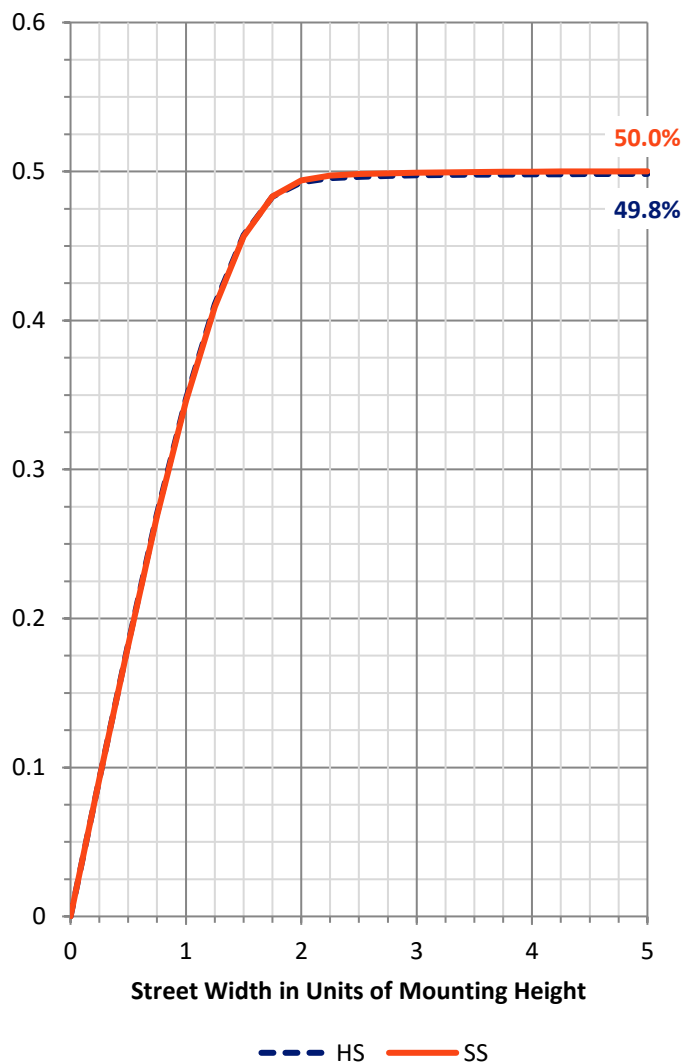
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5564.0	0.0	5564.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5564.0	0.0	5564.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11128.0	0.0	11128.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.6	1.4
10°-20°	458.5	4.1
20°-30°	846.3	7.6
30°-40°	1664.3	15.0
40°-50°	2710.7	24.4
50°-60°	3865.8	34.7
60°-70°	1338.4	12.0
70°-80°	71.8	0.6
80°-90°	13.5	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°	11128.0	100.0
0°-180°	11128.0	100.0

**Coefficient of Utilization**

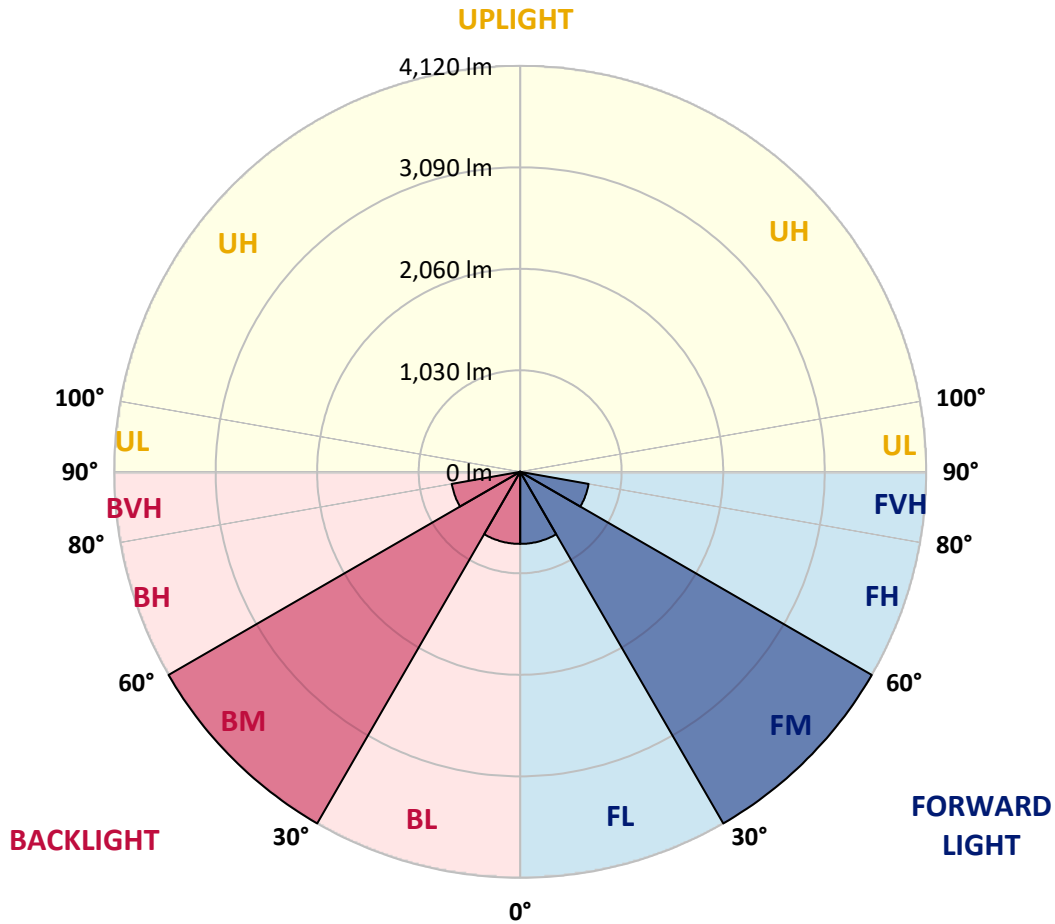


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	731.7	6.6			
FM (30°-60°)	4120.4	37.0			
FH (60°-80°)	705.1	6.3			G1/1800
FVH (80°-90°)	6.7	0.1			G0/10
BL (0°-30°)	731.7	6.6	B2/1000		
BM (30°-60°)	4120.4	37.0	B3/5000		
BH (60°-80°)	705.1	6.3	B2/1000		G1/1800
BVH (80°-90°)	6.7	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-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1
2.5°	1721.4	1730.7	1719.1	1714.5	1712.1	1712.1	1705.2	1705.2	1702.9	1705.2	1695.9
5°	1693.6	1702.9	1702.9	1700.5	1686.6	1684.3	1677.3	1672.7	1675.0	1665.7	1672.7
7.5°	1665.7	1672.7	1663.4	1661.1	1656.5	1647.2	1644.9	1624.0	1626.3	1626.3	1630.9
10°	1661.1	1658.8	1644.9	1633.3	1619.3	1617.0	1610.1	1605.4	1605.4	1603.1	1610.1
12.5°	1661.1	1649.5	1647.2	1621.7	1598.5	1607.8	1589.2	1577.6	1593.8	1598.5	1607.8
15°	1658.8	1670.4	1630.9	1619.3	1603.1	1605.4	1589.2	1577.6	1586.9	1591.5	1598.5
17.5°	1672.7	1665.7	1654.1	1630.9	1624.0	1614.7	1593.8	1584.6	1584.6	1596.2	1598.5
20°	1709.8	1691.3	1668.1	1656.5	1663.4	1651.8	1626.3	1591.5	1600.8	1610.1	1617.0
22.5°	1744.6	1730.7	1714.5	1707.5	1746.9	1728.4	1684.3	1644.9	1630.9	1647.2	1658.8
25°	1811.9	1811.9	1781.7	1791.0	1835.1	1837.4	1786.4	1716.8	1707.5	1714.5	1719.1
27.5°	1948.8	1955.7	1930.2	1939.5	1958.1	1974.3	1930.2	1872.2	1851.3	1849.0	1856.0
30°	2097.3	2111.2	2108.9	2148.3	2201.7	2210.9	2146.0	2050.9	1988.2	1976.6	1985.9
32.5°	2292.1	2299.1	2294.5	2340.9	2484.7	2552.0	2382.6	2248.1	2164.5	2185.4	2164.5
35°	2658.7	2651.7	2600.7	2610.0	2728.3	2777.0	2614.6	2528.8	2489.3	2531.1	2521.8
37.5°	2974.2	2948.7	2906.9	2967.3	3090.2	3134.3	2964.9	2814.1	2742.2	2811.8	2842.0
40°	3241.0	3176.1	3118.1	3178.4	3343.1	3403.4	3155.2	3032.2	3004.4	3055.4	3120.4
42.5°	3466.1	3424.3	3347.7	3352.4	3461.4	3489.3	3289.7	3217.8	3190.0	3271.2	3303.7
45°	3626.1	3586.7	3514.8	3510.1	3593.7	3575.1	3396.5	3347.7	3364.0	3417.3	3433.6
47.5°	3707.3	3728.2	3686.5	3698.1	3742.1	3698.1	3556.5	3556.5	3519.4	3551.9	3535.7
50°	3941.7	3876.7	3930.1	3930.1	3976.5	3981.1	3839.6	3788.5	3688.8	3633.1	3633.1
52.5°	4215.4	4220.1	4240.9	4317.5	4396.4	4463.7	4261.8	4043.7	3876.7	3804.8	3795.5
55°	4440.5	4486.9	4570.4	4714.2	4941.6	5034.4	4686.4	4296.6	4092.5	3981.1	3957.9
56°	4563.4	4519.3	4663.2	4860.4	5157.3	5278.0	4756.0	4347.7	4122.6	3997.3	3995.0
57.5°	4445.1	4493.8	4593.6	4904.4	5268.7	5426.4	4781.5	4324.5	4002.0	3874.4	3886.0
60°	3510.1	3556.5	3691.1	4039.1	4609.8	4732.8	4046.1	3565.8	3278.1	3094.9	3097.2
62.5°	1985.9	2020.7	2125.1	2447.6	2802.5	2920.9	2521.8	2201.7	2002.1	1900.1	1867.6
65°	730.8	716.9	733.1	897.8	1115.9	1215.7	1048.6	886.2	781.8	744.7	730.8
67.5°	273.8	252.9	236.6	252.9	317.8	336.4	308.6	257.5	241.3	248.2	252.9
70°	169.4	160.1	127.6	120.6	118.3	116.0	123.0	129.9	148.5	174.0	178.6
72.5°	118.3	111.4	90.5	85.8	81.2	78.9	90.5	99.8	116.0	134.6	136.9
75°	46.4	48.7	46.4	51.0	53.4	55.7	65.0	71.9	78.9	78.9	76.6
77.5°	9.3	9.3	13.9	18.6	23.2	30.2	44.1	51.0	53.4	51.0	44.1
80°	0.0	0.0	4.6	9.3	18.6	25.5	39.4	44.1	48.7	44.1	34.8
82.5°	0.0	0.0	4.6	11.6	18.6	23.2	37.1	46.4	53.4	48.7	37.1
85°	0.0	0.0	4.6	9.3	13.9	16.2	16.2	11.6	11.6	7.0	4.6
87.5°	0.0	0.0	0.0	0.0	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)