

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: P527521

Luminaire Tested: **GALN-SA2C-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527521  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-740-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9713 lumens  
Efficiency: N/A  
Efficacy: 89.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

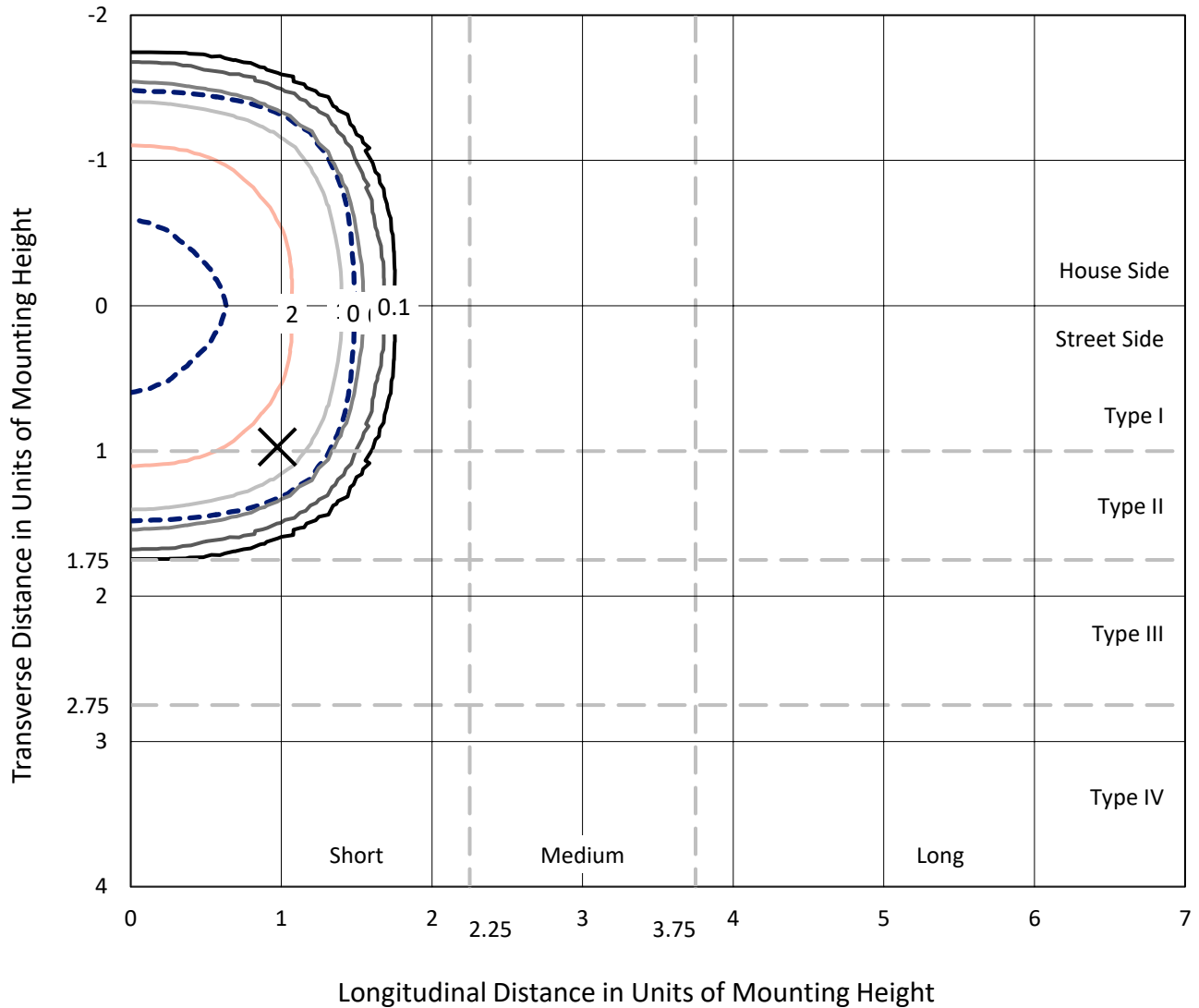
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

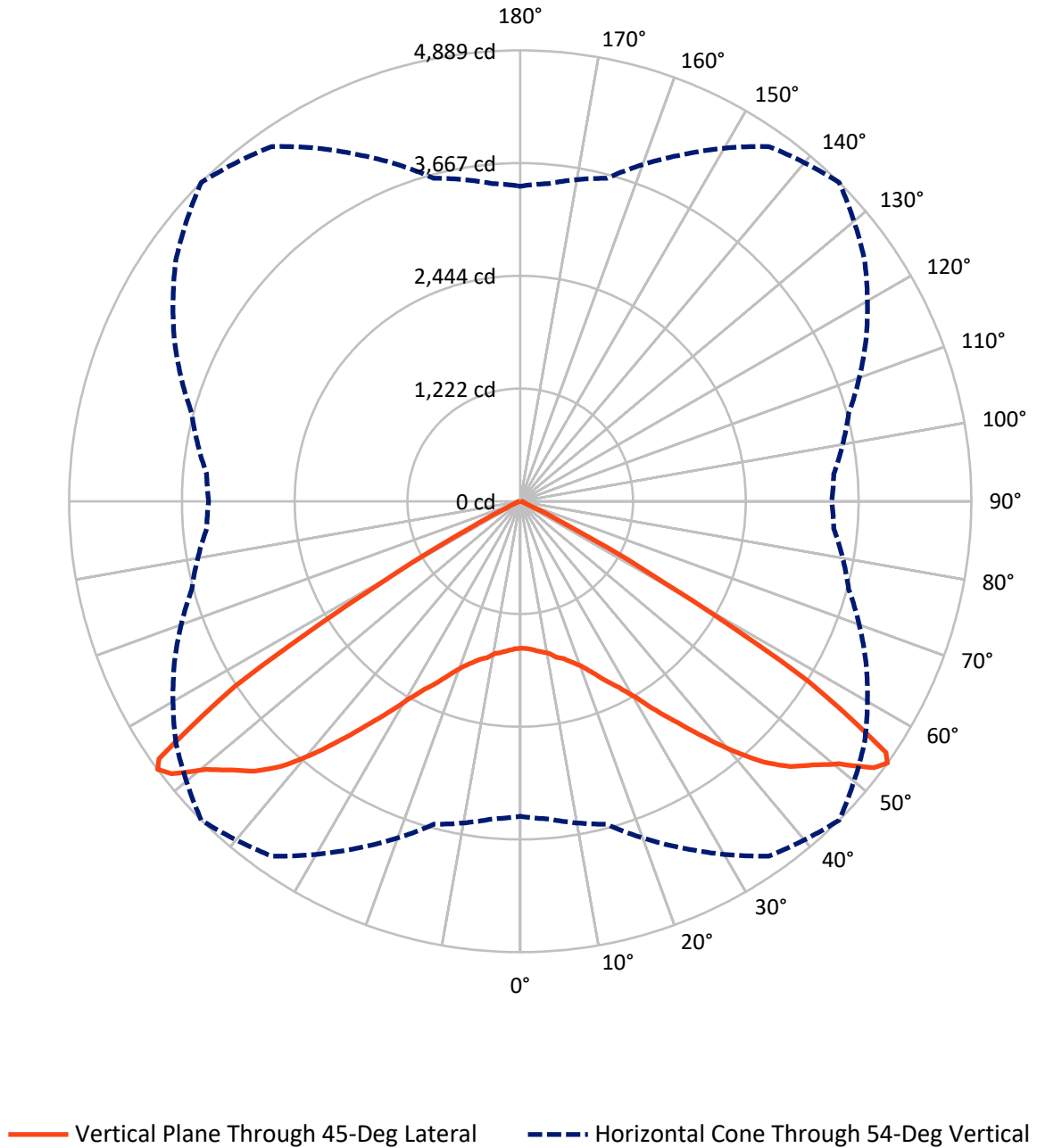
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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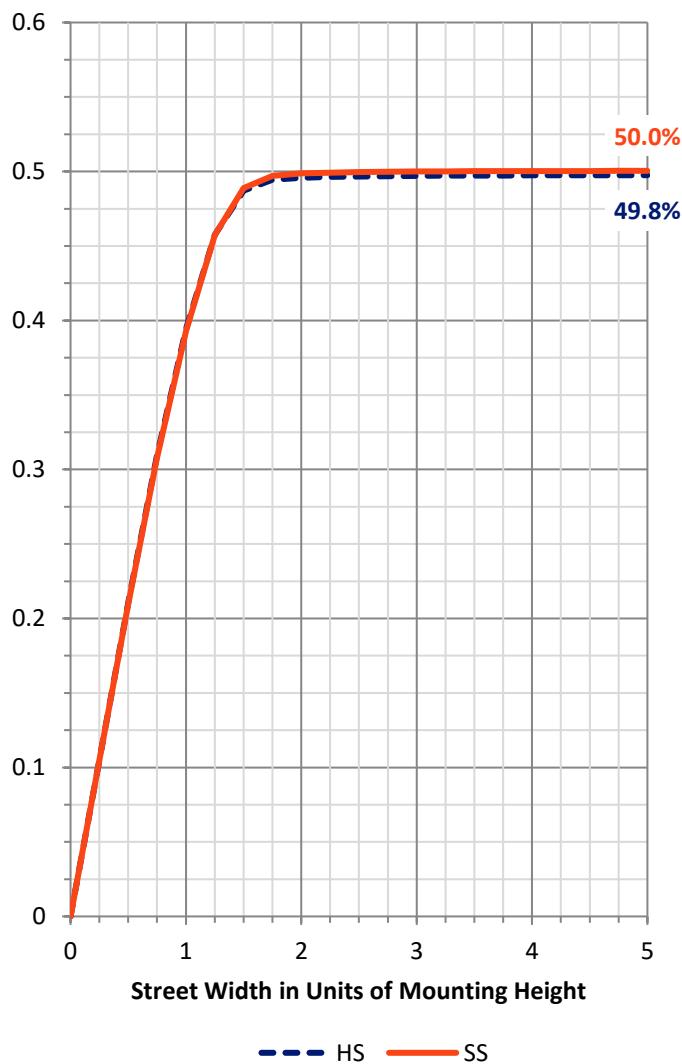
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4856.5	0.0	4856.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4856.5	0.0	4856.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9713.0	0.0	9713.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.9	1.6
10°-20°	504.8	5.2
20°-30°	989.4	10.2
30°-40°	1779.1	18.3
40°-50°	3045.5	31.4
50°-60°	2946.8	30.3
60°-70°	252.3	2.6
70°-80°	29.9	0.3
80°-90°	9.4	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°	9713.0	100.0
0°-180°	9713.0	100.0

**Coefficient of Utilization**

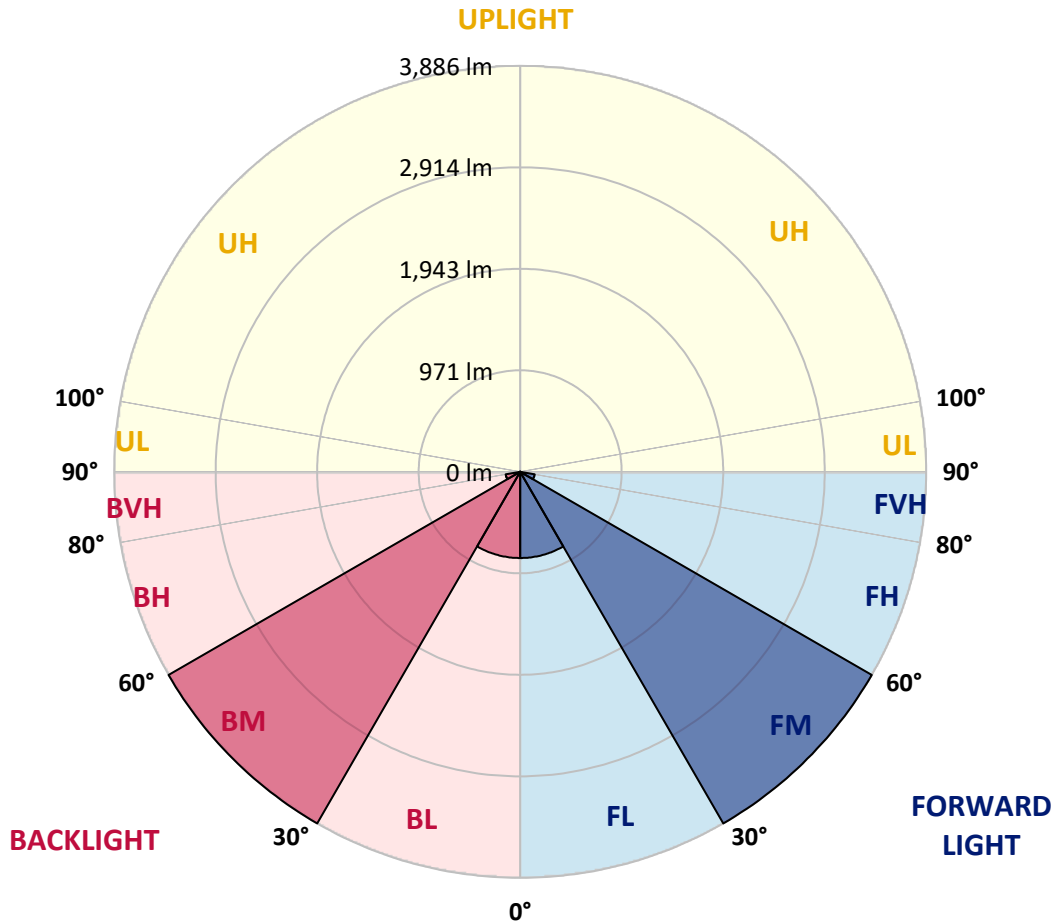


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	825.0	8.5			
FM (30°-60°)	3885.7	40.0			
FH (60°-80°)	141.1	1.5			G0/660
FVH (80°-90°)	4.7	0.0			G0/10
BL (0°-30°)	825.0	8.5	B2/1000		
BM (30°-60°)	3885.7	40.0	B3/5000		
BH (60°-80°)	141.1	1.5	B1/500		G0/660
BVH (80°-90°)	4.7	0.0			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°	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6
2.5°	1600.3	1609.6	1603.4	1608.0	1608.0	1600.3	1604.9	1586.5	1598.8	1589.6	1591.1
5°	1624.9	1623.4	1623.4	1624.9	1618.8	1621.9	1615.7	1609.6	1604.9	1598.8	1617.2
7.5°	1655.7	1655.7	1644.9	1648.0	1644.9	1649.6	1637.3	1624.9	1620.3	1615.7	1612.6
10°	1685.0	1681.9	1677.3	1691.1	1680.3	1674.2	1668.0	1660.3	1643.4	1637.3	1631.1
12.5°	1728.0	1726.5	1720.3	1734.2	1728.0	1734.2	1711.1	1691.1	1688.0	1668.0	1678.8
15°	1778.8	1792.7	1781.9	1781.9	1778.8	1771.1	1761.9	1752.7	1725.0	1717.3	1718.8
17.5°	1845.0	1840.4	1841.9	1841.9	1857.3	1837.3	1818.8	1795.7	1781.9	1777.3	1761.9
20°	1908.1	1914.2	1912.7	1923.5	1932.7	1911.2	1891.2	1888.1	1849.6	1855.8	1834.2
22.5°	2018.9	2014.3	2021.9	2029.6	2023.5	2020.4	2001.9	1978.9	1945.0	1929.6	1926.5
25°	2135.8	2128.1	2114.3	2132.7	2142.0	2155.8	2120.4	2108.1	2055.8	2032.7	2034.3
27.5°	2235.8	2246.6	2262.0	2269.7	2292.8	2288.2	2263.5	2223.5	2183.5	2157.4	2140.4
30°	2372.8	2378.9	2405.1	2415.9	2455.9	2466.7	2428.2	2382.0	2311.2	2277.4	2257.4
32.5°	2499.0	2542.1	2540.5	2594.4	2659.0	2703.6	2634.4	2563.6	2492.8	2452.8	2417.4
35°	2703.6	2695.9	2740.6	2797.5	2902.1	2952.9	2877.5	2795.9	2688.2	2623.6	2595.9
37.5°	2894.4	2897.5	2957.5	3048.3	3168.3	3246.8	3180.6	3046.8	2936.0	2852.9	2814.4
40°	3171.4	3177.6	3239.1	3342.2	3477.6	3562.3	3485.3	3349.9	3202.2	3137.6	3137.6
42.5°	3496.1	3522.2	3562.3	3651.5	3773.1	3866.9	3797.7	3691.5	3542.3	3459.2	3471.5
45°	3830.0	3842.3	3868.5	4000.8	4057.7	4103.9	4039.3	3990.0	3890.0	3788.5	3771.5
47.5°	4142.4	4147.0	4223.9	4265.5	4310.1	4271.6	4313.2	4248.6	4136.2	4037.7	4017.7
50°	4280.9	4273.2	4382.4	4508.6	4542.5	4474.8	4439.4	4396.3	4225.5	4107.0	4054.7
52.5°	3877.7	3922.3	4125.4	4476.3	4741.0	4797.9	4591.7	4393.2	4074.7	3843.9	3808.5
54°	3416.1	3457.6	3625.3	4145.5	4696.3	4888.7	4556.3	4134.7	3685.4	3411.5	3376.1
55°	2959.1	2912.9	3217.6	3748.4	4487.1	4808.7	4416.3	3800.8	3286.8	3036.0	2986.8
57.5°	1601.9	1609.6	1866.5	2368.2	3152.9	3686.9	3256.0	2571.3	1941.9	1660.3	1635.7
60°	507.8	520.1	632.4	957.1	1506.5	1798.8	1541.8	1032.5	714.0	572.4	549.3
62.5°	158.5	164.6	180.0	267.7	412.4	589.3	461.6	277.0	206.2	189.3	192.3
65°	96.9	96.9	98.5	104.6	123.1	143.1	138.5	121.6	116.9	113.9	112.3
67.5°	63.1	61.6	64.6	69.2	72.3	73.9	78.5	83.1	81.6	78.5	78.5
70°	38.5	36.9	40.0	46.2	47.7	50.8	55.4	61.6	60.0	56.9	58.5
72.5°	21.5	21.5	23.1	27.7	32.3	35.4	40.0	44.6	46.2	44.6	44.6
75°	7.7	9.2	12.3	16.9	20.0	24.6	29.2	33.9	38.5	35.4	33.9
77.5°	3.1	3.1	6.2	10.8	15.4	20.0	27.7	32.3	35.4	32.3	29.2
80°	1.5	1.5	4.6	9.2	13.8	18.5	23.1	27.7	29.2	26.2	23.1
82.5°	1.5	1.5	4.6	9.2	13.8	16.9	24.6	27.7	30.8	27.7	23.1
85°	0.0	1.5	4.6	9.2	12.3	13.8	13.8	9.2	7.7	4.6	4.6
87.5°	0.0	0.0	1.5	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)