

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: P527469

Luminaire Tested: **GALN-SA2C-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527469  
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-730-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 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: 8845 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

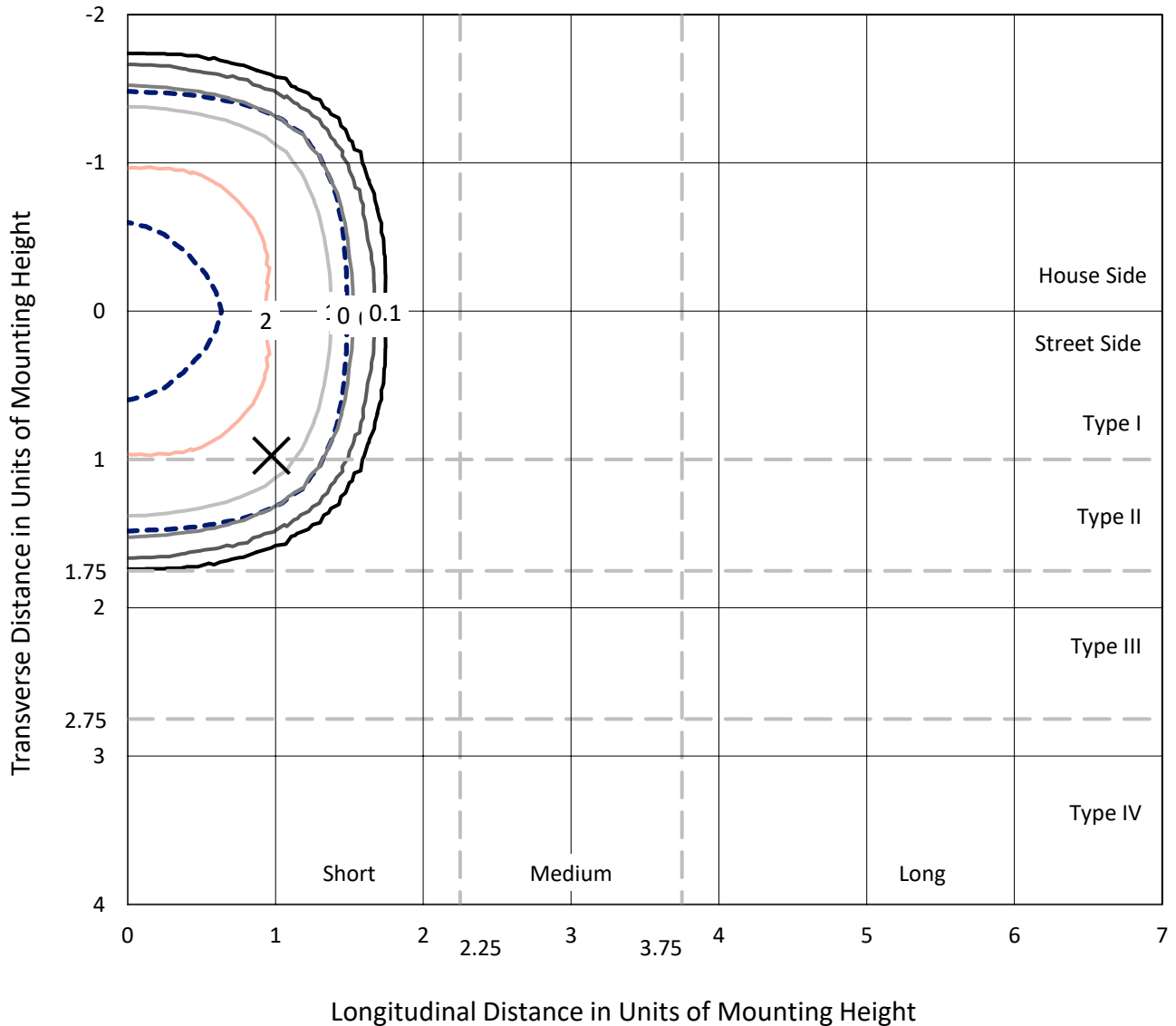
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

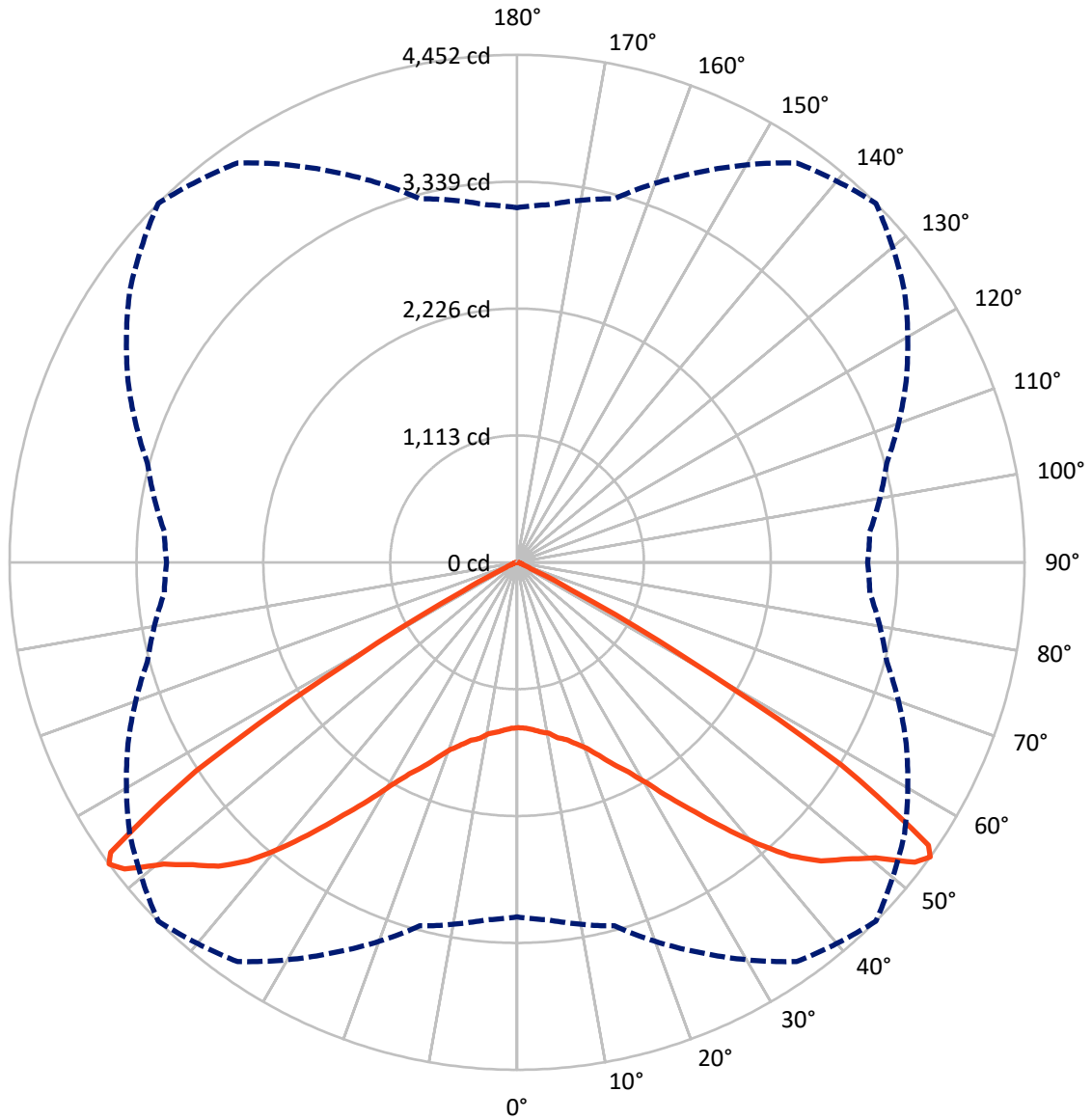
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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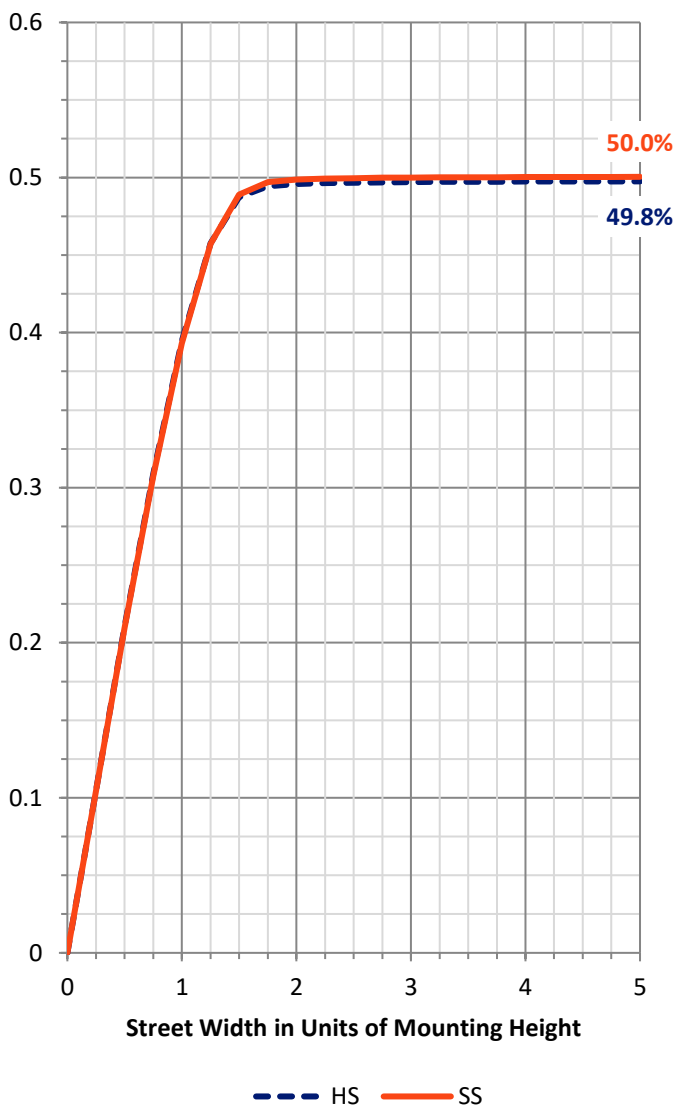
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4422.5	0.0	4422.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4422.5	0.0	4422.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8845.0	0.0	8845.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.9	1.6
10°-20°	459.7	5.2
20°-30°	901.0	10.2
30°-40°	1620.1	18.3
40°-50°	2773.3	31.4
50°-60°	2683.5	30.3
60°-70°	229.7	2.6
70°-80°	27.2	0.3
80°-90°	8.5	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°	8845.0	100.0
0°-180°	8845.0	100.0

**Coefficient of Utilization**



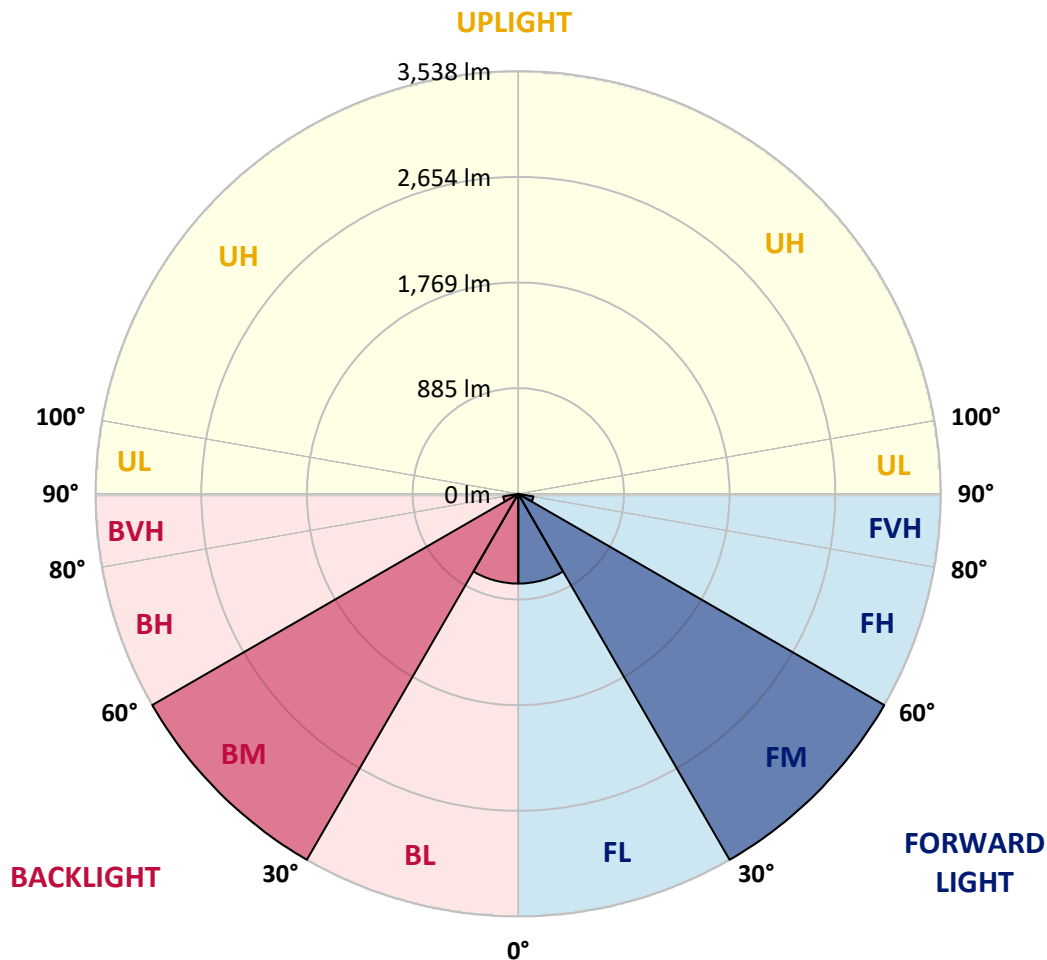
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	751.3	8.5			
FM (30°-60°)	3538.5	40.0			
FH (60°-80°)	128.5	1.5			G0/660
FVH (80°-90°)	4.3	0.0			G0/10
BL (0°-30°)	751.3	8.5	B2/1000		
BM (30°-60°)	3538.5	40.0	B3/5000		
BH (60°-80°)	128.5	1.5	B1/500		G0/660
BVH (80°-90°)	4.3	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°	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3
2.5°	1457.3	1465.7	1460.1	1464.3	1464.3	1457.3	1461.5	1444.7	1455.9	1447.5	1448.9
5°	1479.7	1478.3	1478.3	1479.7	1474.1	1476.9	1471.3	1465.7	1461.5	1455.9	1472.7
7.5°	1507.8	1507.8	1497.9	1500.7	1497.9	1502.2	1490.9	1479.7	1475.5	1471.3	1468.5
10°	1534.4	1531.6	1527.4	1540.0	1530.2	1524.6	1519.0	1512.0	1496.5	1490.9	1485.3
12.5°	1573.6	1572.2	1566.6	1579.2	1573.6	1579.2	1558.2	1540.0	1537.2	1519.0	1528.8
15°	1619.9	1632.5	1622.7	1622.7	1619.9	1612.9	1604.4	1596.0	1570.8	1563.8	1565.2
17.5°	1680.1	1675.9	1677.3	1677.3	1691.3	1673.1	1656.3	1635.3	1622.7	1618.5	1604.4
20°	1737.6	1743.2	1741.8	1751.6	1760.0	1740.4	1722.1	1719.3	1684.3	1689.9	1670.3
22.5°	1838.5	1834.2	1841.3	1848.3	1842.7	1839.9	1823.0	1802.0	1771.2	1757.2	1754.4
25°	1944.9	1937.9	1925.3	1942.1	1950.6	1963.2	1930.9	1919.7	1872.1	1851.1	1852.5
27.5°	2036.0	2045.8	2059.9	2066.9	2087.9	2083.7	2061.3	2024.8	1988.4	1964.6	1949.2
30°	2160.7	2166.3	2190.2	2200.0	2236.4	2246.2	2211.2	2169.2	2104.7	2073.9	2055.6
32.5°	2275.6	2314.9	2313.5	2362.5	2421.4	2462.0	2399.0	2334.5	2270.0	2233.6	2201.4
35°	2462.0	2455.0	2495.6	2547.5	2642.8	2689.0	2620.4	2546.1	2448.0	2389.1	2363.9
37.5°	2635.8	2638.6	2693.2	2775.9	2885.2	2956.7	2896.4	2774.5	2673.6	2597.9	2562.9
40°	2888.0	2893.6	2949.7	3043.5	3166.8	3243.9	3173.9	3050.5	2916.0	2857.2	2857.2
42.5°	3183.7	3207.5	3243.9	3325.2	3435.9	3521.4	3458.3	3361.6	3225.7	3150.0	3161.2
45°	3487.7	3498.9	3522.8	3643.3	3695.1	3737.2	3678.3	3633.5	3542.4	3449.9	3434.5
47.5°	3772.2	3776.4	3846.5	3884.3	3924.9	3889.9	3927.7	3868.9	3766.6	3676.9	3658.7
50°	3898.3	3891.3	3990.8	4105.7	4136.5	4074.9	4042.6	4003.4	3847.9	3740.0	3692.3
52.5°	3531.2	3571.8	3756.8	4076.3	4317.3	4369.1	4181.4	4000.6	3710.5	3500.3	3468.1
54°	3110.8	3148.6	3301.4	3775.0	4276.6	4451.8	4149.1	3765.2	3356.0	3106.6	3074.4
55°	2694.6	2652.6	2930.0	3413.5	4086.1	4378.9	4021.6	3461.1	2993.1	2764.7	2719.8
57.5°	1458.7	1465.7	1699.7	2156.5	2871.2	3357.4	2965.1	2341.5	1768.4	1512.0	1489.5
60°	462.4	473.6	575.9	871.6	1371.8	1638.1	1404.1	940.2	650.2	521.3	500.2
62.5°	144.3	149.9	163.9	243.8	375.5	536.7	420.4	252.2	187.8	172.4	175.2
65°	88.3	88.3	89.7	95.3	112.1	130.3	126.1	110.7	106.5	103.7	102.3
67.5°	57.5	56.1	58.9	63.1	65.9	67.3	71.5	75.7	74.3	71.5	71.5
70°	35.0	33.6	36.4	42.0	43.4	46.2	50.4	56.1	54.6	51.8	53.2
72.5°	19.6	19.6	21.0	25.2	29.4	32.2	36.4	40.6	42.0	40.6	40.6
75°	7.0	8.4	11.2	15.4	18.2	22.4	26.6	30.8	35.0	32.2	30.8
77.5°	2.8	2.8	5.6	9.8	14.0	18.2	25.2	29.4	32.2	29.4	26.6
80°	1.4	1.4	4.2	8.4	12.6	16.8	21.0	25.2	26.6	23.8	21.0
82.5°	1.4	1.4	4.2	8.4	12.6	15.4	22.4	25.2	28.0	25.2	21.0
85°	0.0	1.4	4.2	8.4	11.2	12.6	12.6	8.4	7.0	4.2	4.2
87.5°	0.0	0.0	1.4	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)