

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: P527268

Luminaire Tested: **GALN-SA2B-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527268  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2B-735-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9340 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

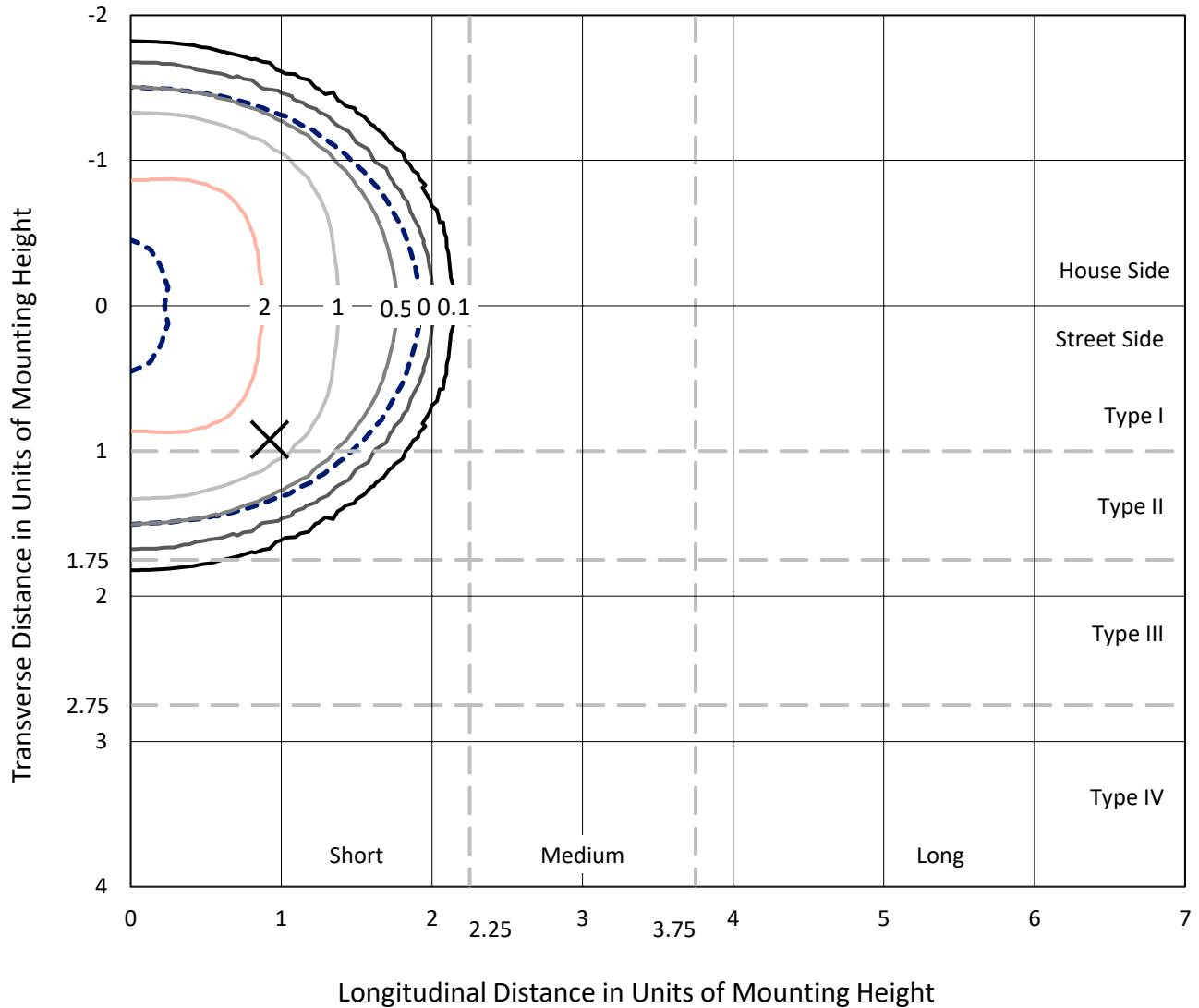
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

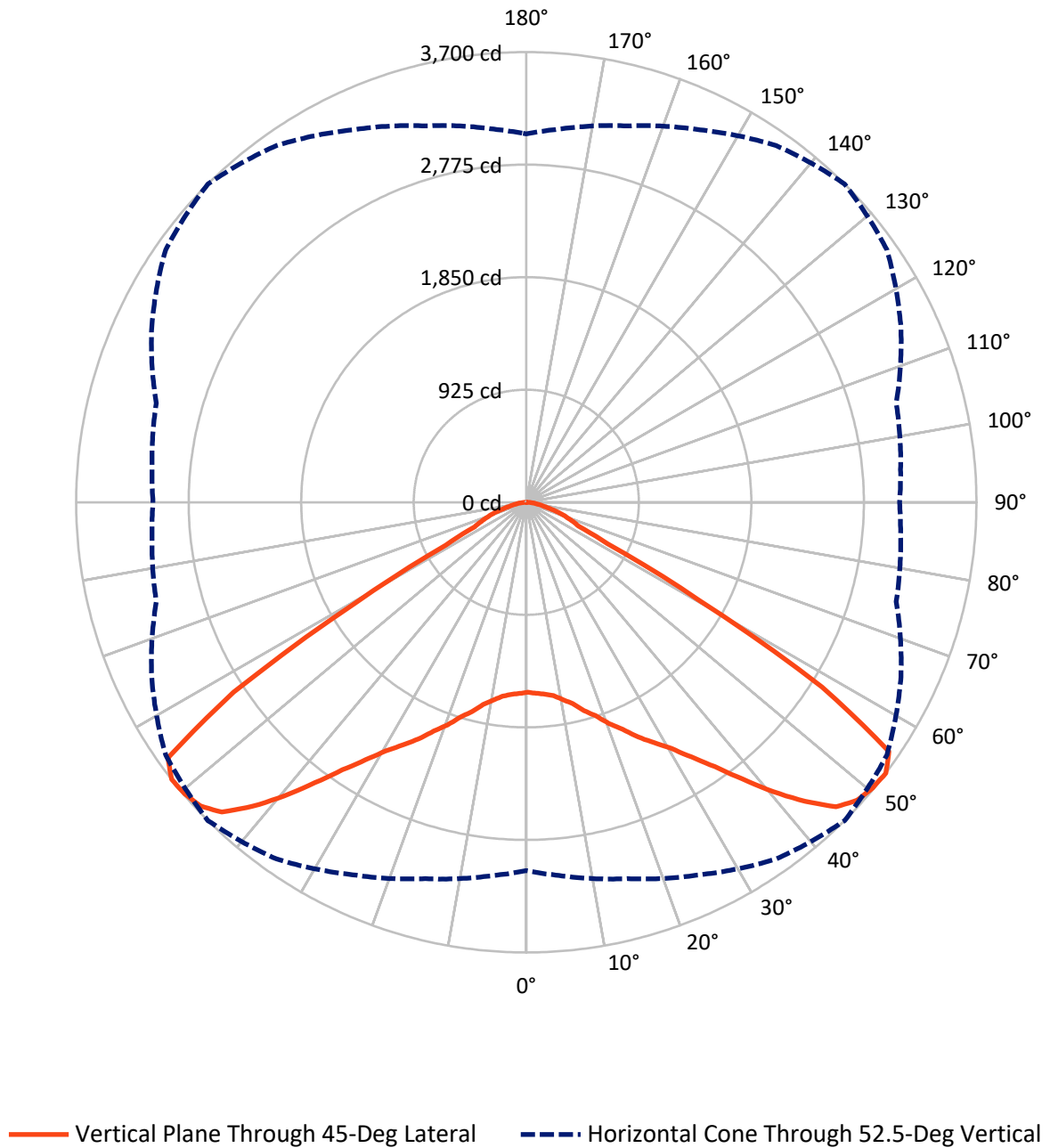
✕ Max cd  
 - - - 1/2 Max cd



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



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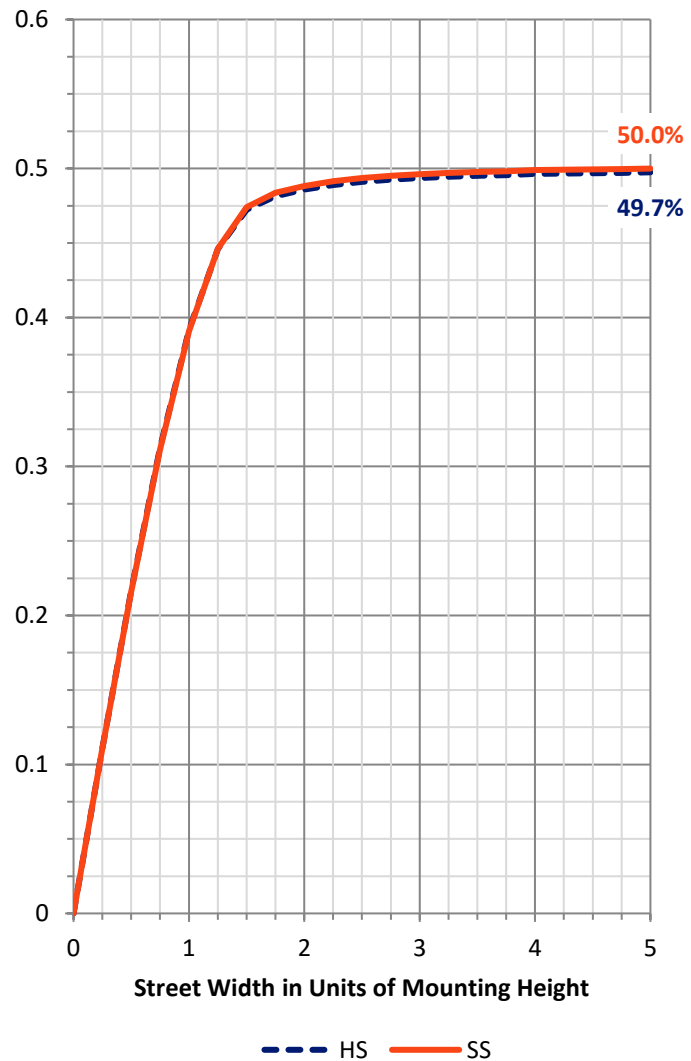
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4670.0	0.0	4670.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4670.0	0.0	4670.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9340.0	0.0	9340.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.4	1.6
10°-20°	504.0	5.4
20°-30°	959.6	10.3
30°-40°	1647.7	17.6
40°-50°	2532.6	27.1
50°-60°	2571.8	27.5
60°-70°	716.7	7.7
70°-80°	211.4	2.3
80°-90°	42.6	0.5
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°	9340.0	100.0
0°-180°	9340.0	100.0



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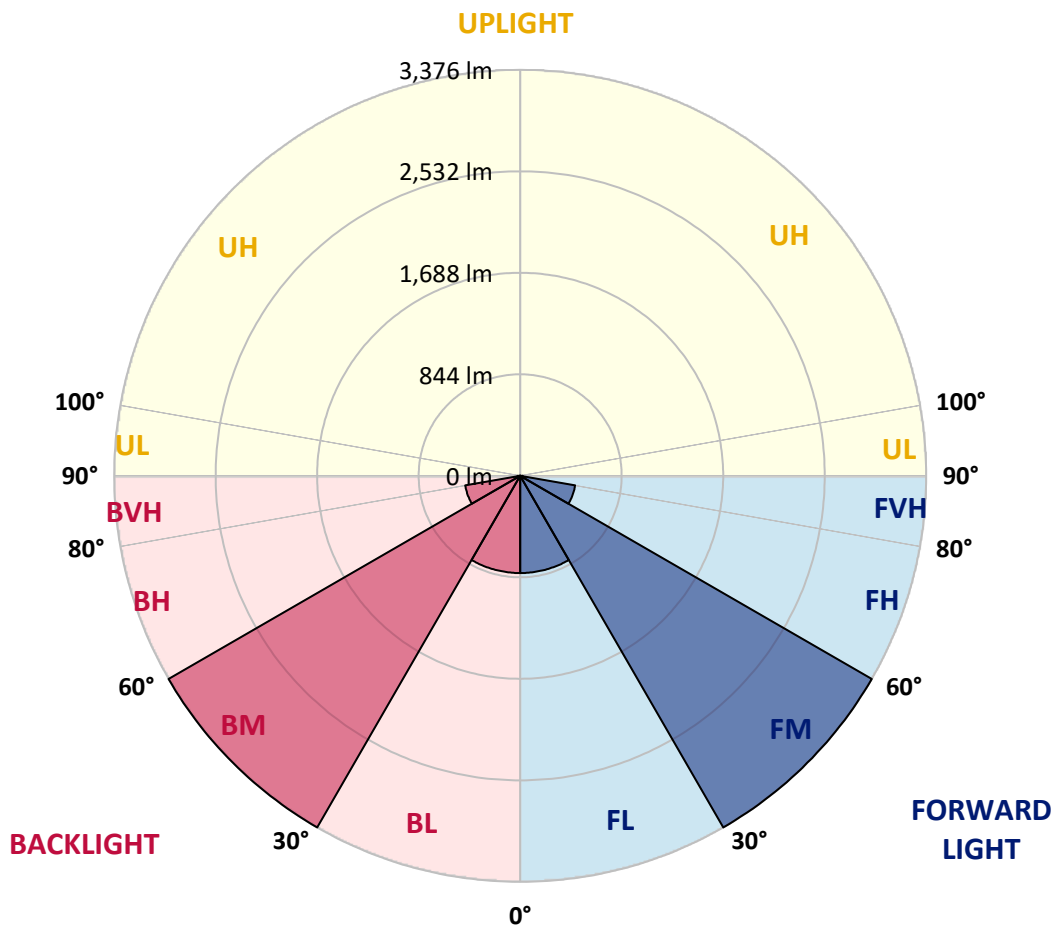
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	808.5	8.7			
FM (30°-60°)	3376.1	36.1			
FH (60°-80°)	464.1	5.0			G0/660
FVH (80°-90°)	21.3	0.2			G1/100
BL (0°-30°)	808.5	8.7	B2/1000		
BM (30°-60°)	3376.1	36.1	B3/5000		
BH (60°-80°)	464.1	5.0	B1/500		G0/660
BVH (80°-90°)	21.3	0.2			G1/100
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°	1561.3	1561.3	1561.3	1561.3	1561.3	1561.3	1561.3	1561.3	1561.3	1561.3	1561.3
2.5°	1564.8	1548.6	1554.3	1557.8	1572.9	1571.7	1568.3	1572.9	1577.5	1578.7	1576.4
5°	1563.6	1552.0	1556.7	1560.1	1575.2	1583.3	1581.0	1600.7	1614.6	1611.1	1628.5
7.5°	1554.3	1561.3	1555.5	1572.9	1585.6	1605.3	1626.2	1644.8	1662.1	1681.9	1685.3
10°	1575.2	1575.2	1585.6	1599.6	1633.2	1648.2	1678.4	1705.0	1738.6	1761.8	1752.6
12.5°	1597.2	1600.7	1600.7	1636.6	1664.5	1698.1	1725.9	1761.8	1809.4	1837.2	1851.1
15°	1619.3	1621.6	1633.2	1681.9	1723.6	1776.9	1802.4	1834.9	1861.5	1913.7	1914.8
17.5°	1639.0	1651.7	1686.5	1741.0	1793.1	1844.1	1884.7	1918.3	1941.5	1962.4	1957.7
20°	1713.1	1722.4	1758.4	1812.8	1890.5	1940.3	1954.2	1960.0	1975.1	2016.8	2004.1
22.5°	1785.0	1788.5	1822.1	1905.6	1960.0	2026.1	2041.2	2037.7	2043.5	2053.9	2072.5
25°	1859.2	1865.0	1911.4	1982.1	2058.6	2137.4	2150.1	2123.5	2115.4	2126.9	2128.1
27.5°	1954.2	1955.4	2014.5	2075.9	2162.9	2237.1	2256.8	2235.9	2197.6	2206.9	2222.0
30°	2074.8	2066.7	2125.8	2213.9	2305.4	2347.2	2380.8	2370.4	2328.6	2320.5	2307.8
32.5°	2213.9	2216.2	2269.5	2365.7	2426.0	2495.5	2531.5	2514.1	2487.4	2473.5	2481.6
35°	2409.8	2420.2	2456.1	2536.1	2633.5	2668.2	2725.0	2687.9	2618.4	2635.8	2650.9
37.5°	2570.9	2601.0	2668.2	2763.3	2821.2	2885.0	2905.9	2856.0	2805.0	2784.2	2834.0
40°	2817.8	2808.5	2882.7	2977.7	3063.5	3127.2	3100.6	3050.7	2924.4	2925.6	2939.5
42.5°	3029.9	3034.5	3091.3	3204.9	3322.0	3361.4	3276.8	3155.1	3014.8	2999.7	3029.9
45°	3208.4	3226.9	3259.4	3411.2	3526.0	3568.9	3412.4	3268.7	3080.9	3018.3	3068.1
47.5°	3272.1	3302.3	3373.0	3512.1	3625.7	3660.4	3535.2	3328.9	3142.3	3040.3	3067.0
50°	3281.4	3271.0	3386.9	3514.4	3614.1	3689.4	3579.3	3373.0	3127.2	3073.9	3065.8
52.5°	3027.6	3078.6	3202.6	3377.6	3579.3	3699.8	3618.7	3397.3	3148.1	3087.8	3068.1
55°	2450.3	2390.1	2616.1	2910.5	3281.4	3616.4	3604.8	3410.1	3160.9	3111.0	3084.4
57.5°	1367.7	1385.1	1512.6	1832.5	2311.2	2867.6	3204.9	3275.6	3155.1	3126.1	3140.0
60°	632.9	638.7	693.1	842.7	1139.4	1626.2	2070.1	2521.0	2728.5	2770.2	2770.2
62.5°	471.8	469.4	483.3	510.0	572.6	747.6	998.0	1356.1	1641.3	1840.6	1892.8
65°	426.5	425.4	432.3	441.6	446.3	470.6	526.2	636.3	729.1	782.4	773.1
67.5°	373.2	372.1	374.4	380.2	388.3	401.0	415.0	438.1	470.6	468.3	462.5
70°	301.4	301.4	304.8	309.5	318.8	333.8	350.0	366.3	394.1	399.9	398.7
72.5°	222.5	219.1	226.0	235.3	244.6	263.1	280.5	295.6	315.3	321.1	318.8
75°	141.4	143.7	148.4	158.8	175.0	187.8	206.3	219.1	231.8	236.5	237.6
77.5°	78.8	81.1	89.3	102.0	118.2	132.1	148.4	158.8	166.9	168.1	169.2
80°	47.5	48.7	56.8	68.4	82.3	97.4	110.1	120.5	127.5	124.0	122.9
82.5°	29.0	30.1	37.1	47.5	59.1	70.7	84.6	93.9	100.8	96.2	91.6
85°	15.1	16.2	22.0	29.0	38.3	44.0	44.0	39.4	38.3	35.9	34.8
87.5°	4.6	4.6	5.8	7.0	5.8	7.0	8.1	9.3	9.3	10.4	9.3
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)