

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: P528151

Luminaire Tested: **GALN-SA3B-727-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528151  
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-SA3B-727-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 800mA 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: 9181 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

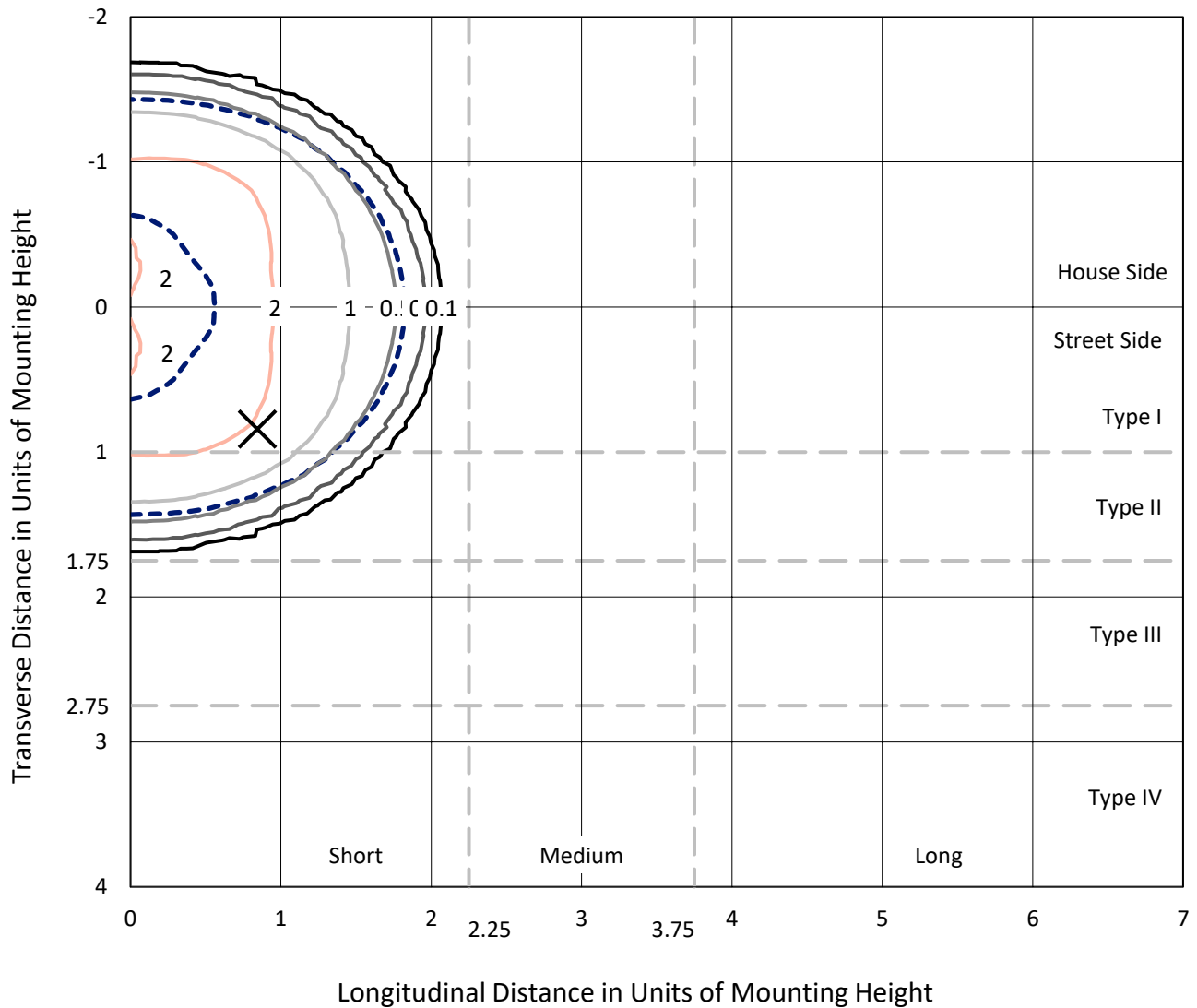
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

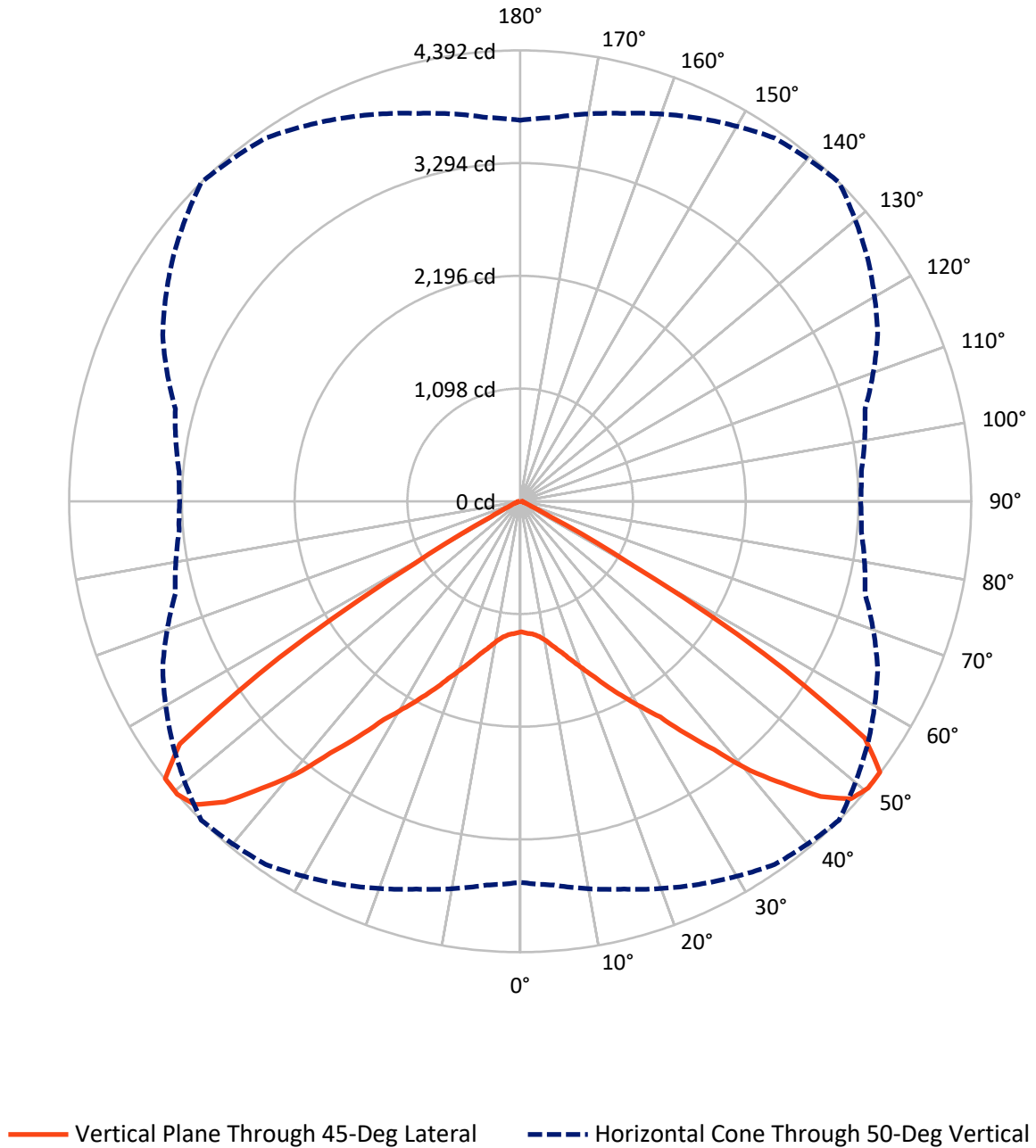
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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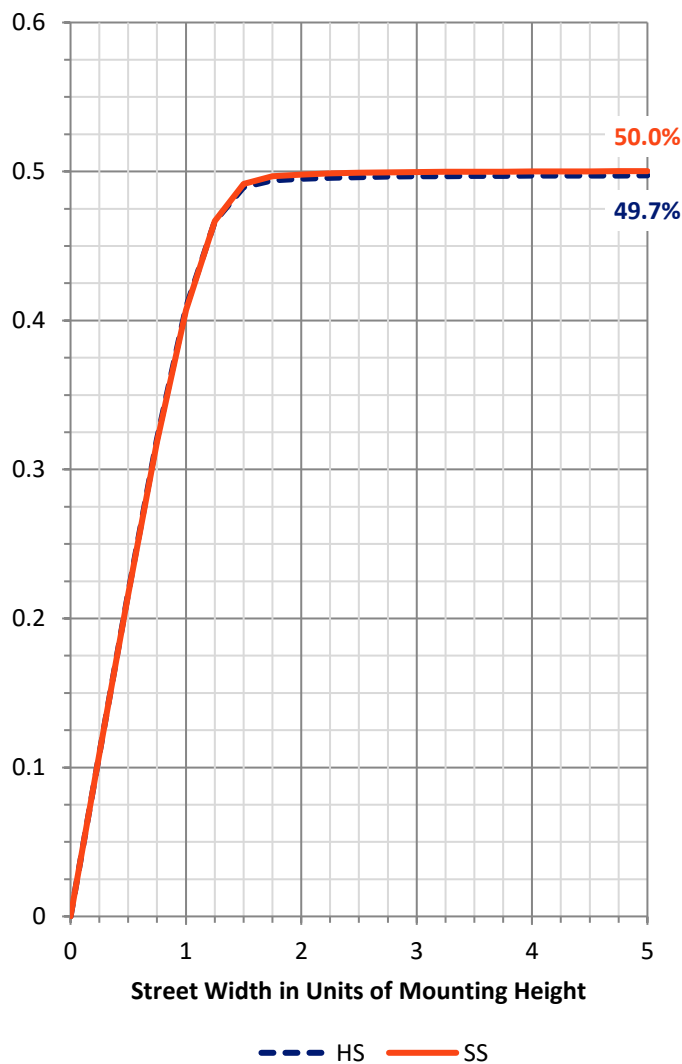
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4590.5	0.0	4590.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4590.5	0.0	4590.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9181.0	0.0	9181.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.6	1.4
10°-20°	436.4	4.8
20°-30°	891.4	9.7
30°-40°	1699.8	18.5
40°-50°	2864.5	31.2
50°-60°	2731.8	29.8
60°-70°	381.3	4.2
70°-80°	36.5	0.4
80°-90°	12.6	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°	9181.0	100.0
0°-180°	9181.0	100.0

**Coefficient of Utilization**



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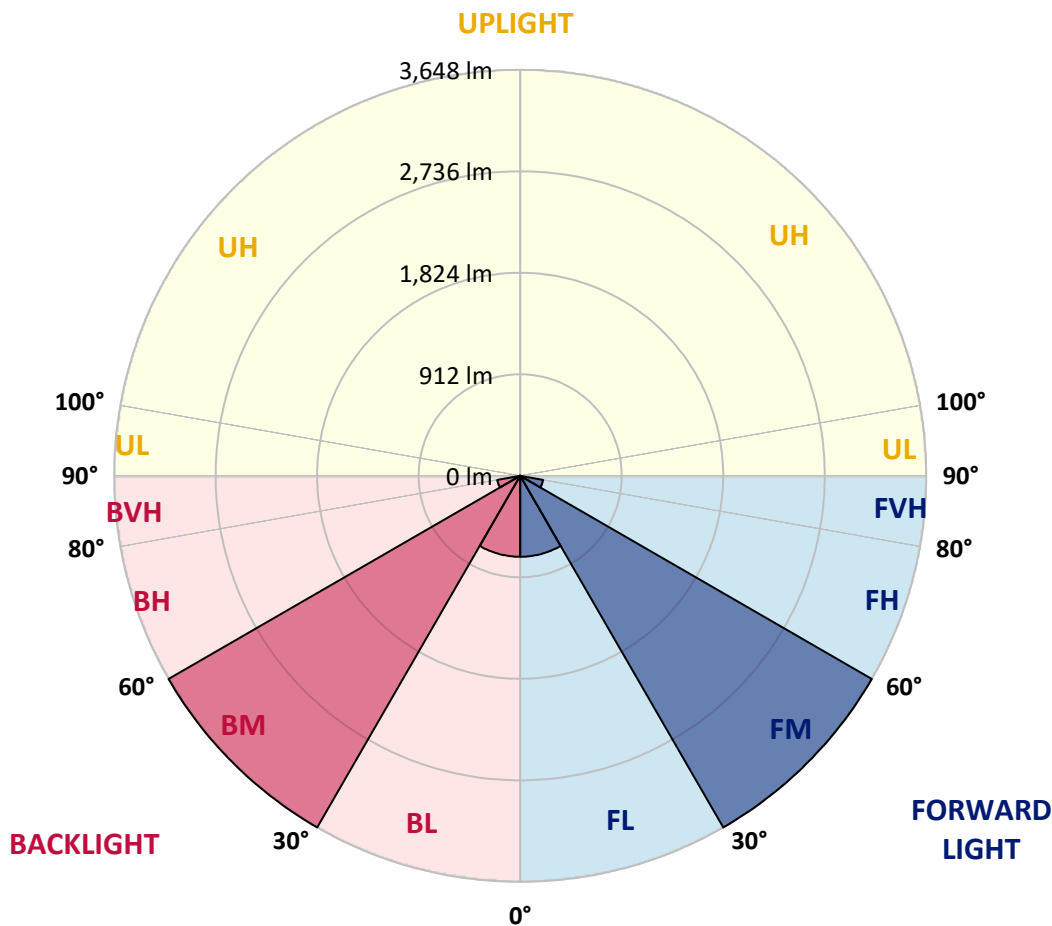
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	727.2	7.9			
FM (30°-60°)	3648.1	39.7			
FH (60°-80°)	208.9	2.3			G0/660
FVH (80°-90°)	6.3	0.1			G0/10
BL (0°-30°)	727.2	7.9	B2/1000		
BM (30°-60°)	3648.1	39.7	B3/5000		
BH (60°-80°)	208.9	2.3	B1/500		G0/660
BVH (80°-90°)	6.3	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°	1272.8	1272.8	1272.8	1272.8	1272.8	1272.8	1272.8	1272.8	1272.8	1272.8	1272.8
2.5°	1268.2	1268.2	1266.7	1279.0	1272.8	1286.7	1285.2	1289.8	1294.5	1292.9	1305.3
5°	1257.4	1255.9	1255.9	1269.8	1283.7	1299.1	1313.0	1322.3	1337.7	1337.7	1353.2
7.5°	1268.2	1260.5	1271.3	1277.5	1303.7	1330.0	1353.2	1371.7	1407.2	1419.6	1415.0
10°	1271.3	1280.6	1288.3	1306.8	1339.3	1379.4	1399.5	1445.9	1486.0	1513.8	1520.0
12.5°	1291.4	1305.3	1326.9	1371.7	1401.1	1453.6	1481.4	1526.2	1581.8	1612.7	1634.3
15°	1330.0	1334.6	1362.4	1419.6	1482.9	1530.8	1574.1	1606.5	1660.6	1696.1	1697.6
17.5°	1379.4	1399.5	1438.1	1492.2	1558.6	1629.7	1663.7	1699.2	1719.3	1767.2	1778.0
20°	1478.3	1481.4	1518.5	1589.5	1672.9	1737.8	1762.5	1781.1	1773.3	1822.8	1832.0
22.5°	1571.0	1574.1	1620.4	1716.2	1805.8	1861.4	1872.2	1861.4	1838.2	1873.7	1876.8
25°	1665.2	1693.0	1727.0	1822.8	1934.0	2008.1	2009.7	1980.3	1932.4	1938.6	1954.1
27.5°	1811.9	1832.0	1867.6	1955.6	2077.6	2161.1	2147.2	2111.6	2049.8	2054.5	2049.8
30°	1983.4	2001.9	2031.3	2144.1	2233.7	2324.8	2344.9	2310.9	2218.2	2198.1	2221.3
32.5°	2190.4	2216.7	2270.7	2374.2	2449.9	2505.5	2519.4	2507.1	2420.6	2412.8	2428.3
35°	2442.2	2477.7	2527.2	2618.3	2680.1	2780.5	2780.5	2738.8	2660.0	2669.3	2667.7
37.5°	2707.9	2760.4	2837.6	2930.3	3013.7	3067.8	3050.8	3015.3	2936.5	2916.4	2936.5
40°	3041.5	3067.8	3165.1	3285.6	3387.6	3449.3	3376.7	3299.5	3111.1	3140.4	3194.5
42.5°	3345.9	3387.6	3461.7	3594.6	3710.4	3761.4	3674.9	3521.9	3294.9	3271.7	3311.9
45°	3605.4	3650.2	3747.5	3937.5	4059.5	4104.3	3912.8	3665.6	3406.1	3347.4	3364.4
47.5°	3778.4	3801.5	3937.5	4118.2	4229.4	4331.4	4056.4	3764.5	3458.6	3347.4	3341.2
50°	3711.9	3752.1	3911.2	4116.7	4319.0	4391.6	4129.0	3840.2	3475.6	3333.5	3315.0
52.5°	3296.4	3365.9	3543.6	3820.1	4125.9	4385.4	4229.4	3815.4	3469.4	3347.4	3375.2
55°	2293.9	2295.4	2511.7	2919.5	3460.2	4071.9	4082.7	3843.2	3509.6	3433.9	3435.4
57.5°	922.2	968.5	1133.8	1543.2	2042.1	2795.9	3324.2	3565.2	3514.2	3495.7	3543.6
60°	233.3	234.8	285.8	435.6	718.3	1198.7	1740.9	2355.7	2712.5	2834.6	2851.5
62.5°	118.9	120.5	132.8	154.5	196.2	321.3	571.5	906.7	1289.8	1484.5	1535.4
65°	97.3	97.3	105.0	115.9	117.4	123.6	148.3	211.6	307.4	349.1	353.7
67.5°	74.1	74.1	80.3	86.5	89.6	88.0	85.0	88.0	106.6	102.0	98.9
70°	46.3	47.9	51.0	57.2	60.2	61.8	63.3	66.4	75.7	78.8	75.7
72.5°	27.8	27.8	29.3	34.0	38.6	41.7	46.3	49.4	54.1	61.8	60.2
75°	12.4	12.4	15.4	20.1	24.7	29.3	34.0	38.6	41.7	46.3	47.9
77.5°	3.1	4.6	7.7	13.9	18.5	24.7	30.9	35.5	38.6	38.6	37.1
80°	1.5	1.5	6.2	10.8	20.1	26.3	34.0	37.1	41.7	38.6	34.0
82.5°	1.5	1.5	6.2	10.8	18.5	26.3	35.5	40.2	43.3	38.6	32.4
85°	0.0	1.5	4.6	9.3	15.4	18.5	15.4	10.8	6.2	6.2	4.6
87.5°	0.0	0.0	1.5	1.5	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)