

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: P527189

Luminaire Tested: **GALN-SA2B-722-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527189  
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-SA2B-722-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 2200K, 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: 5436 lumens  
Efficiency: N/A  
Efficacy: 66.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

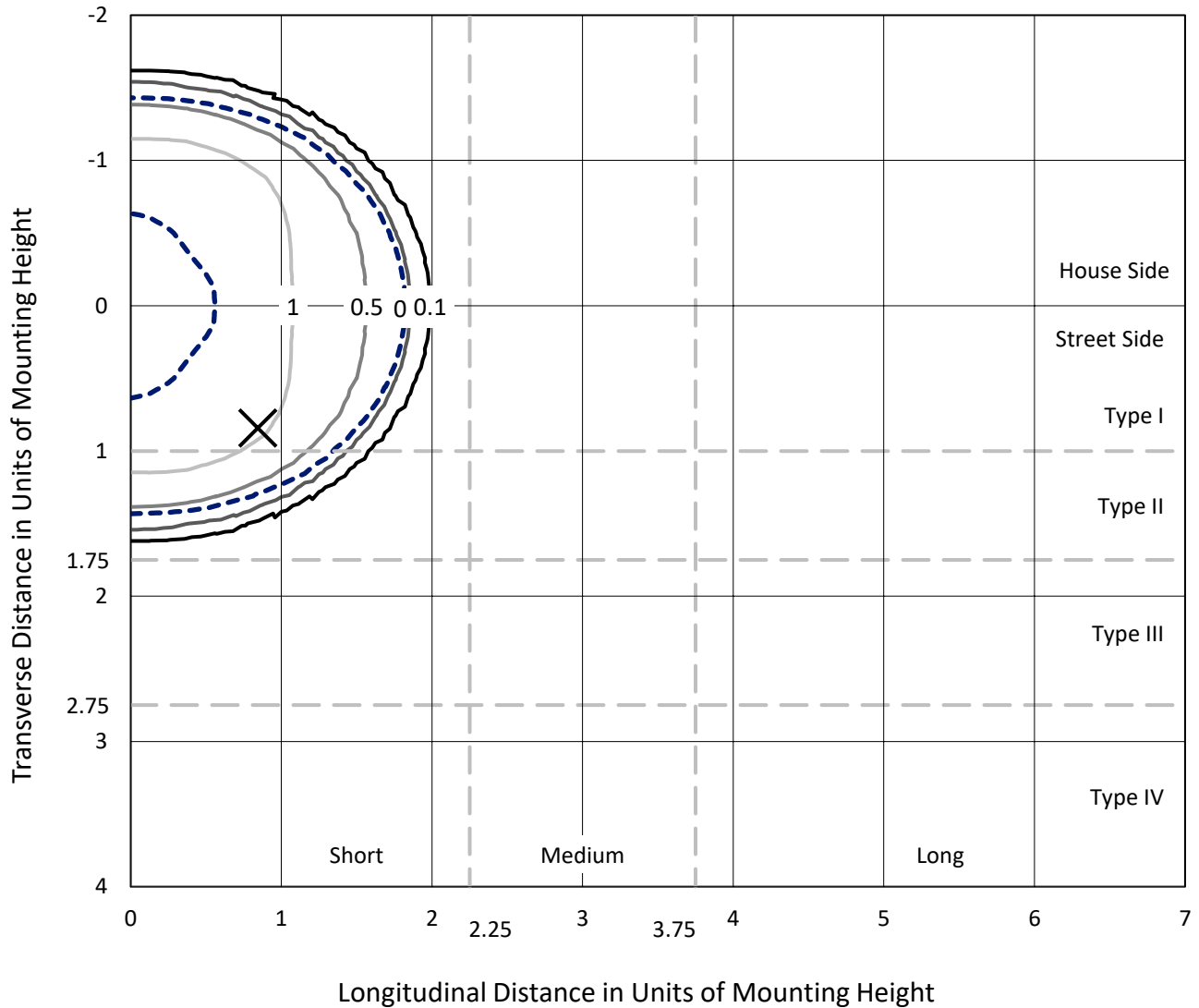
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

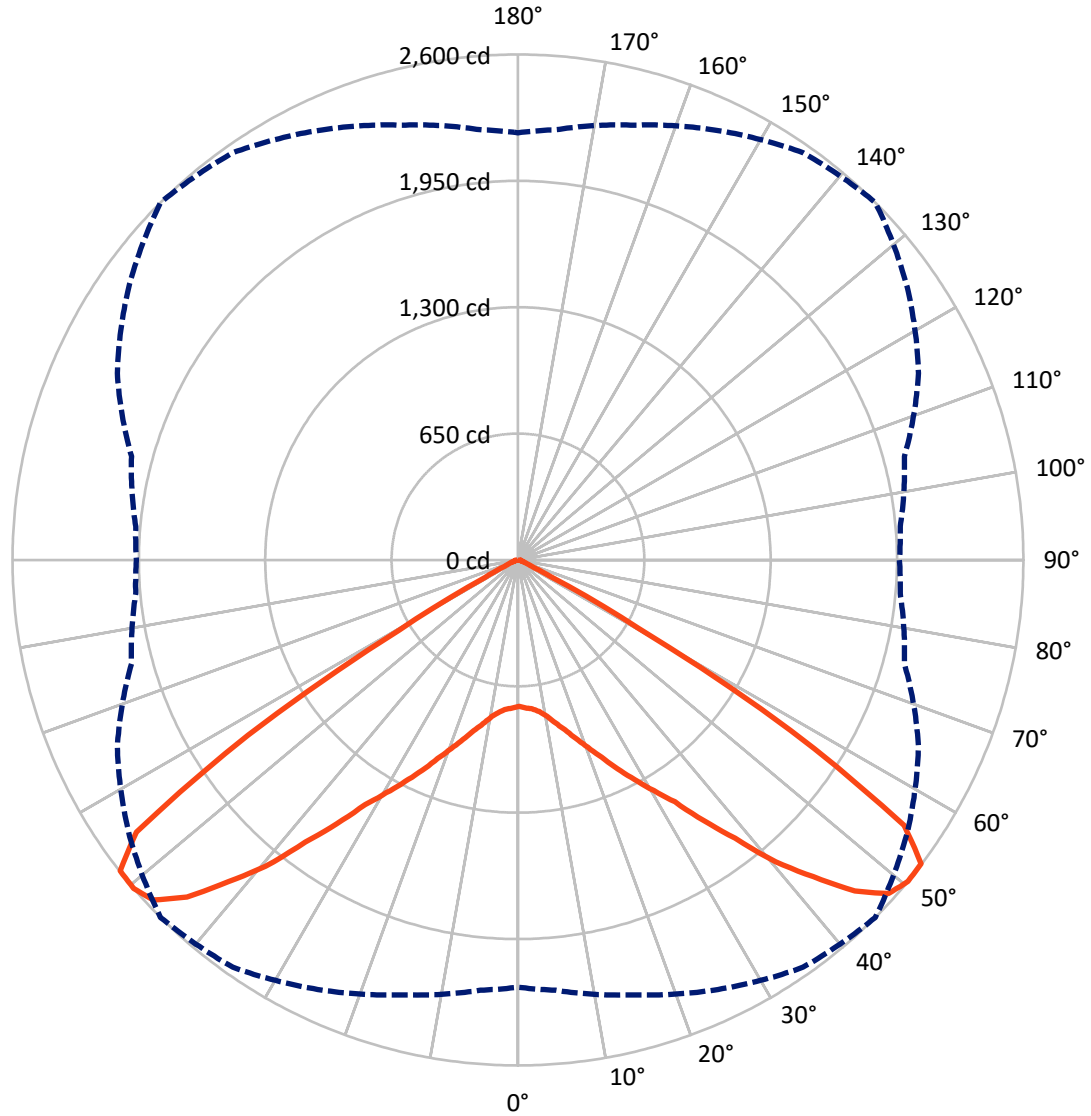
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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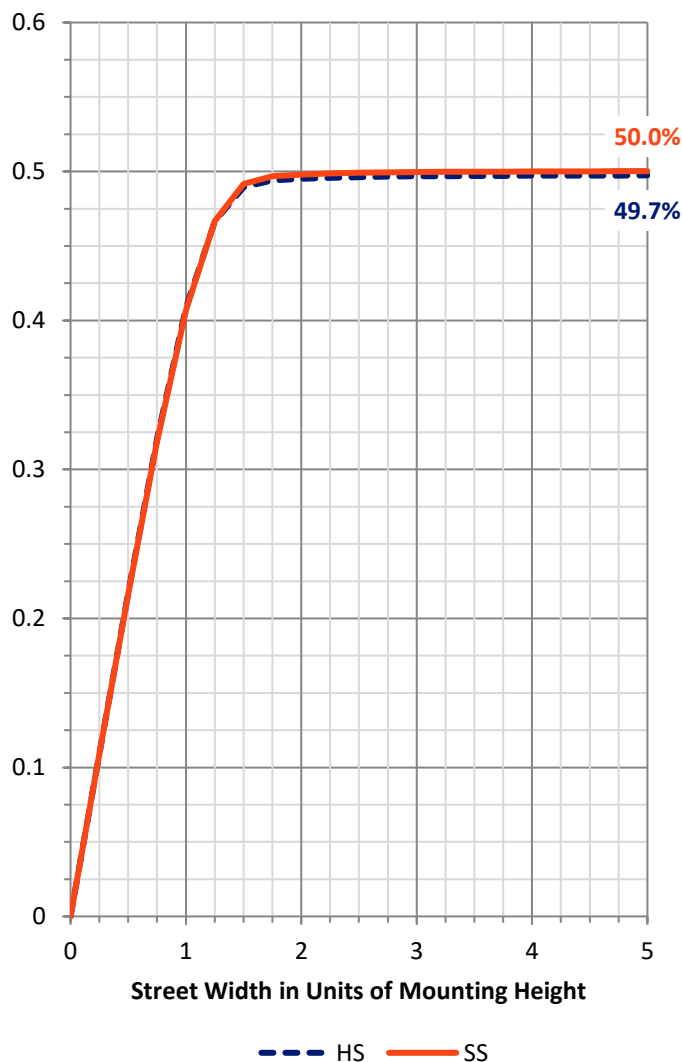
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2718.0	0.0	2718.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2718.0	0.0	2718.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5436.0	0.0	5436.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.0	1.4
10°-20°	258.4	4.8
20°-30°	527.8	9.7
30°-40°	1006.5	18.5
40°-50°	1696.0	31.2
50°-60°	1617.5	29.8
60°-70°	225.8	4.2
70°-80°	21.6	0.4
80°-90°	7.5	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°	5436.0	100.0
0°-180°	5436.0	100.0

**Coefficient of Utilization**



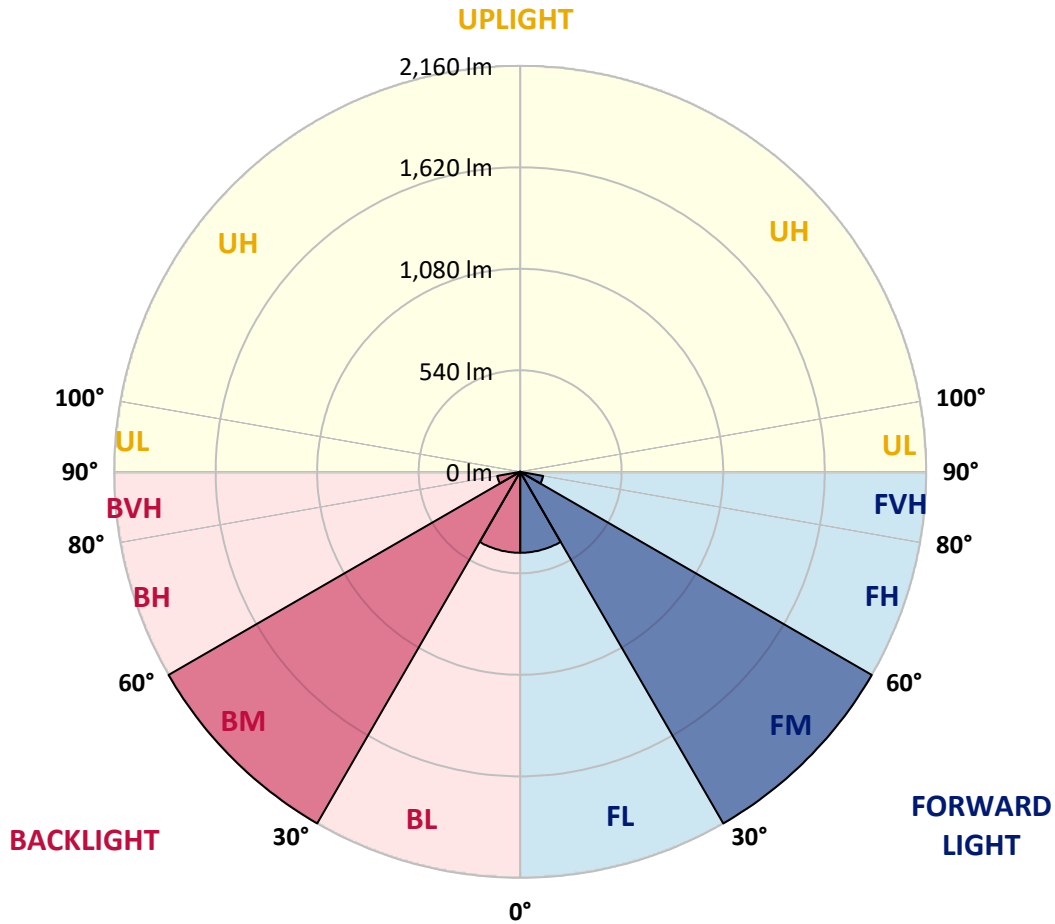
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	430.6	7.9			
FM (30°-60°)	2160.0	39.7			
FH (60°-80°)	123.7	2.3			G0/660
FVH (80°-90°)	3.7	0.1			G0/10
BL (0°-30°)	430.6	7.9	B1/500		
BM (30°-60°)	2160.0	39.7	B2/2500		
BH (60°-80°)	123.7	2.3	B1/500		G0/660
BVH (80°-90°)	3.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	753.6	753.6	753.6	753.6	753.6	753.6	753.6	753.6	753.6	753.6	753.6
2.5°	750.9	750.9	750.0	757.3	753.6	761.9	761.0	763.7	766.4	765.5	772.8
5°	744.5	743.6	743.6	751.8	760.0	769.2	777.4	782.9	792.1	792.1	801.2
7.5°	750.9	746.3	752.7	756.4	771.9	787.5	801.2	812.2	833.2	840.5	837.8
10°	752.7	758.2	762.8	773.8	793.0	816.7	828.6	856.1	879.9	896.3	900.0
12.5°	764.6	772.8	785.7	812.2	829.6	860.7	877.1	903.6	936.6	954.9	967.7
15°	787.5	790.2	806.7	840.5	878.0	906.4	932.0	951.2	983.2	1004.2	1005.2
17.5°	816.7	828.6	851.5	883.5	922.8	964.9	985.0	1006.1	1018.0	1046.3	1052.7
20°	875.3	877.1	899.1	941.1	990.5	1028.9	1043.6	1054.5	1050.0	1079.2	1084.7
22.5°	930.2	932.0	959.4	1016.1	1069.2	1102.1	1108.5	1102.1	1088.4	1109.4	1111.3
25°	986.0	1002.4	1022.5	1079.2	1145.1	1189.0	1189.9	1172.5	1144.2	1147.8	1157.0
27.5°	1072.8	1084.7	1105.8	1157.9	1230.2	1279.5	1271.3	1250.3	1213.7	1216.4	1213.7
30°	1174.4	1185.3	1202.7	1269.5	1322.5	1376.5	1388.4	1368.3	1313.4	1301.5	1315.2
32.5°	1296.9	1312.5	1344.5	1405.8	1450.6	1483.5	1491.7	1484.4	1433.2	1428.6	1437.8
35°	1446.0	1467.0	1496.3	1550.3	1586.9	1646.3	1646.3	1621.6	1575.0	1580.5	1579.5
37.5°	1603.3	1634.4	1680.1	1735.0	1784.4	1816.4	1806.4	1785.3	1738.7	1726.8	1738.7
40°	1800.9	1816.4	1874.0	1945.4	2005.7	2042.3	1999.3	1953.6	1842.0	1859.4	1891.4
42.5°	1981.1	2005.7	2049.6	2128.3	2196.9	2227.1	2175.9	2085.3	1950.9	1937.2	1960.9
45°	2134.7	2161.2	2218.9	2331.4	2403.6	2430.1	2316.7	2170.4	2016.7	1982.0	1992.0
47.5°	2237.1	2250.9	2331.4	2438.4	2504.2	2564.6	2401.8	2228.9	2047.8	1982.0	1978.3
50°	2197.8	2221.6	2315.8	2437.4	2557.3	2600.2	2444.8	2273.7	2057.9	1973.7	1962.8
52.5°	1951.8	1992.9	2098.1	2261.8	2442.9	2596.6	2504.2	2259.1	2054.2	1982.0	1998.4
55°	1358.2	1359.1	1487.2	1728.6	2048.7	2410.9	2417.3	2275.6	2078.0	2033.2	2034.1
57.5°	546.0	573.5	671.3	913.7	1209.1	1655.5	1968.2	2110.9	2080.7	2069.8	2098.1
60°	138.1	139.0	169.2	257.9	425.3	709.7	1030.8	1394.8	1606.1	1678.3	1688.4
62.5°	70.4	71.3	78.7	91.5	116.2	190.2	338.4	536.9	763.7	878.9	909.1
65°	57.6	57.6	62.2	68.6	69.5	73.2	87.8	125.3	182.0	206.7	209.4
67.5°	43.9	43.9	47.6	51.2	53.0	52.1	50.3	52.1	63.1	60.4	58.5
70°	27.4	28.4	30.2	33.8	35.7	36.6	37.5	39.3	44.8	46.6	44.8
72.5°	16.5	16.5	17.4	20.1	22.9	24.7	27.4	29.3	32.0	36.6	35.7
75°	7.3	7.3	9.1	11.9	14.6	17.4	20.1	22.9	24.7	27.4	28.4
77.5°	1.8	2.7	4.6	8.2	11.0	14.6	18.3	21.0	22.9	22.9	22.0
80°	0.9	0.9	3.7	6.4	11.9	15.5	20.1	22.0	24.7	22.9	20.1
82.5°	0.9	0.9	3.7	6.4	11.0	15.5	21.0	23.8	25.6	22.9	19.2
85°	0.0	0.9	2.7	5.5	9.1	11.0	9.1	6.4	3.7	3.7	2.7
87.5°	0.0	0.0	0.9	0.9	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)