

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: P528121

Luminaire Tested: **GALN-SA3B-722-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528121  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3B-722-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6513 lumens  
Efficiency: N/A  
Efficacy: 53.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

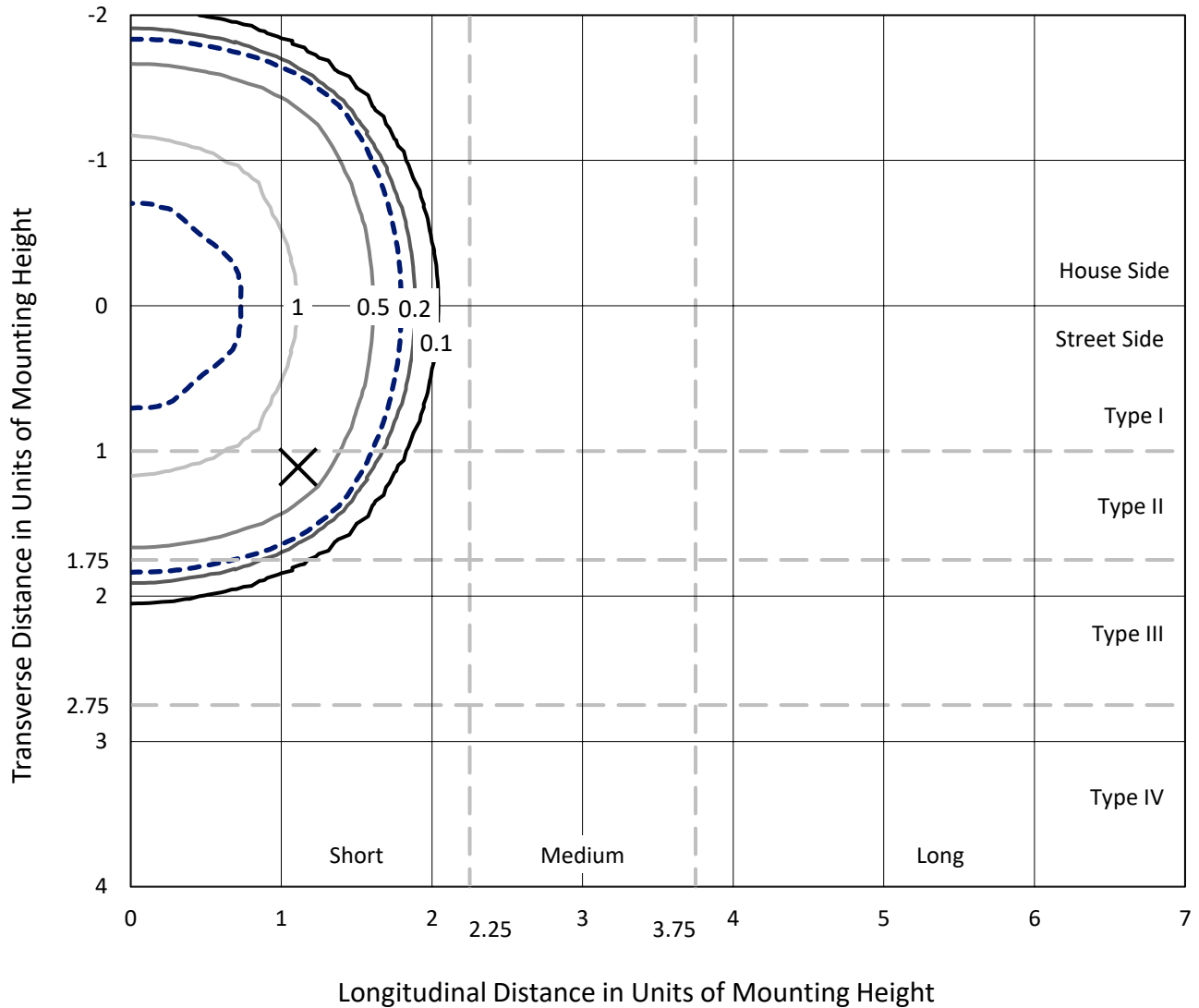
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

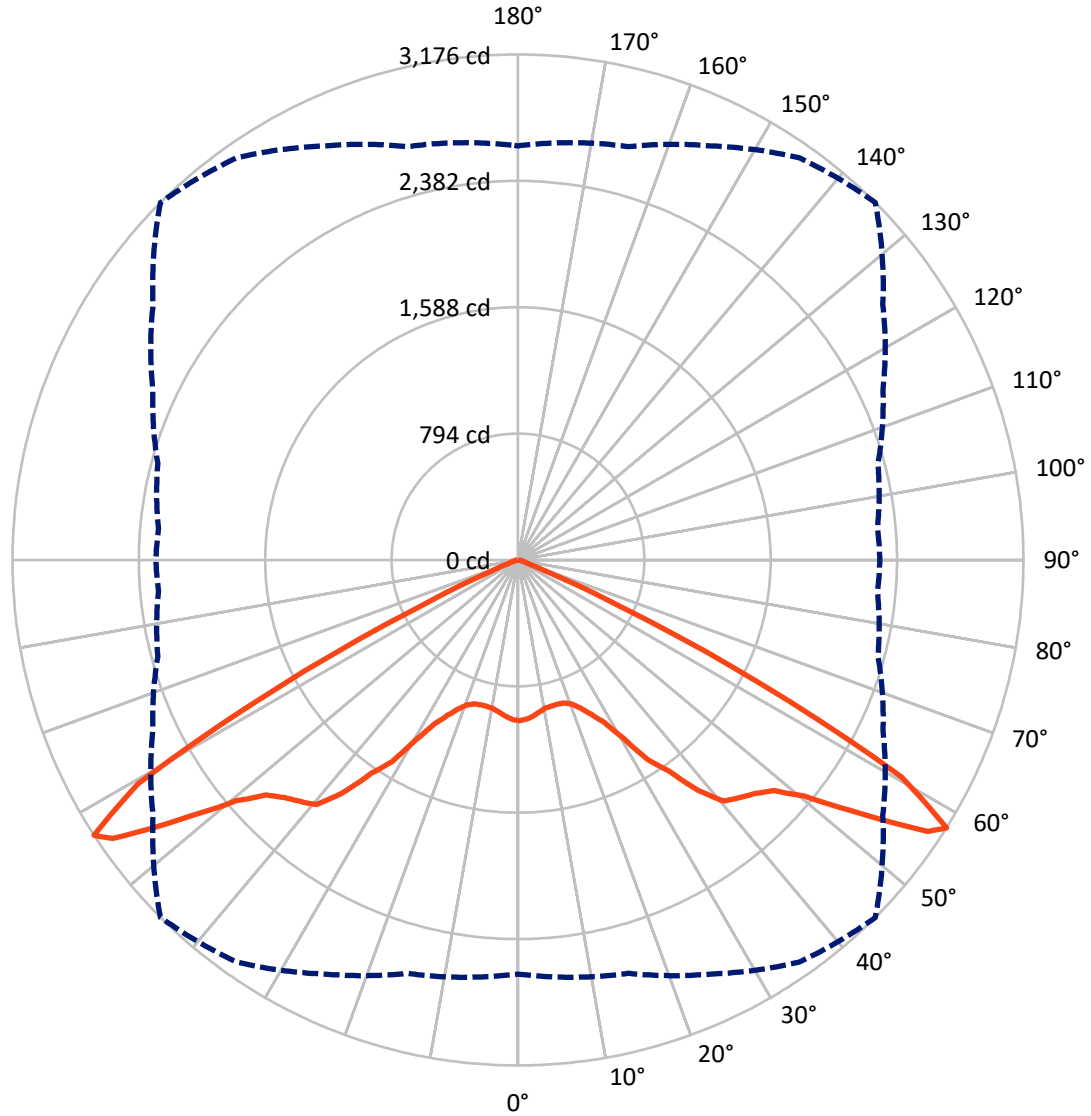
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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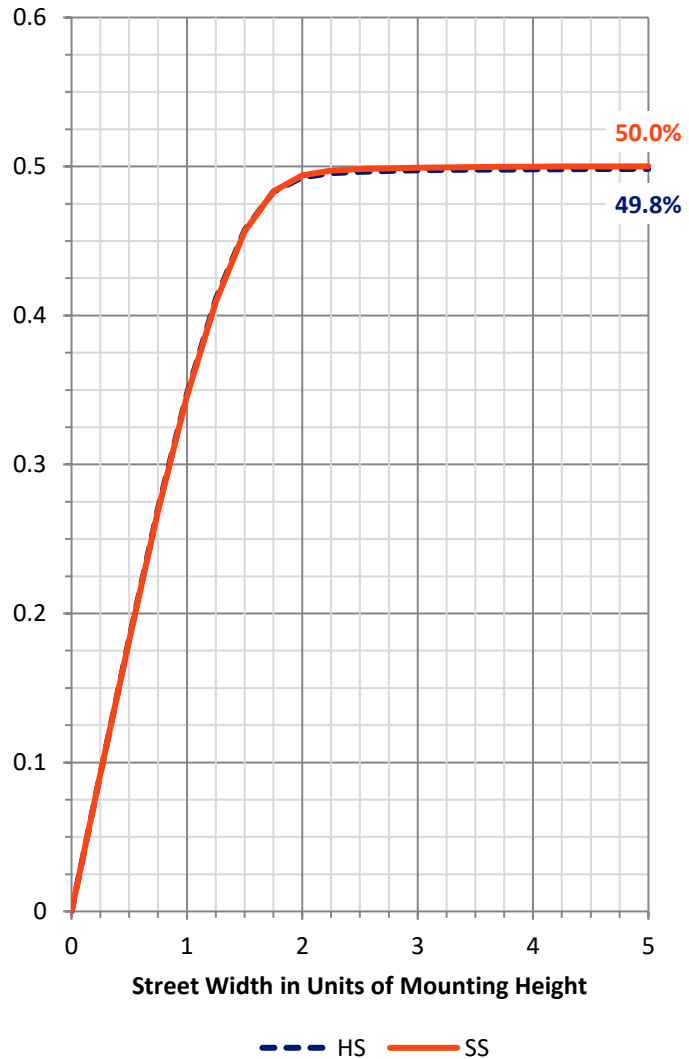
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3256.5	0.0	3256.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3256.5	0.0	3256.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6513.0	0.0	6513.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.8	1.4
10°-20°	268.3	4.1
20°-30°	495.3	7.6
30°-40°	974.1	15.0
40°-50°	1586.5	24.4
50°-60°	2262.6	34.7
60°-70°	783.4	12.0
70°-80°	42.0	0.6
80°-90°	7.9	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°	6513.0	100.0
0°-180°	6513.0	100.0

**Coefficient of Utilization**

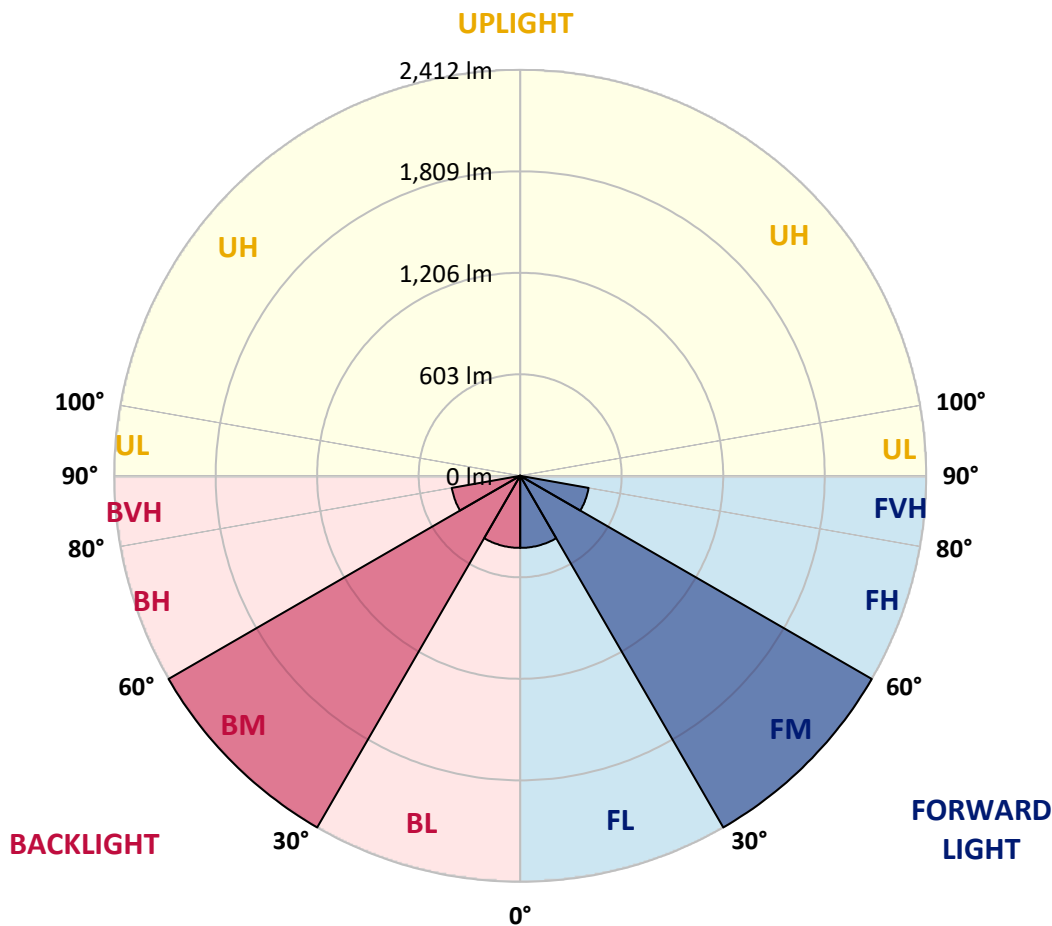


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.2	6.6			
FM (30°-60°)	2411.6	37.0			
FH (60°-80°)	412.7	6.3			G0/660
FVH (80°-90°)	3.9	0.1			G0/10
BL (0°-30°)	428.2	6.6	B1/500		
BM (30°-60°)	2411.6	37.0	B2/2500		
BH (60°-80°)	412.7	6.3	B1/500		G0/660
BVH (80°-90°)	3.9	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°	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2
2.5°	1007.5	1013.0	1006.2	1003.4	1002.1	1002.1	998.0	998.0	996.7	998.0	992.6
5°	991.2	996.7	996.7	995.3	987.2	985.8	981.7	979.0	980.4	974.9	979.0
7.5°	974.9	979.0	973.6	972.2	969.5	964.1	962.7	950.5	951.8	951.8	954.6
10°	972.2	970.9	962.7	955.9	947.8	946.4	942.3	939.6	939.6	938.3	942.3
12.5°	972.2	965.4	964.1	949.1	935.6	941.0	930.1	923.3	932.8	935.6	941.0
15°	970.9	977.6	954.6	947.8	938.3	939.6	930.1	923.3	928.8	931.5	935.6
17.5°	979.0	974.9	968.1	954.6	950.5	945.1	932.8	927.4	927.4	934.2	935.6
20°	1000.7	989.9	976.3	969.5	973.6	966.8	951.8	931.5	936.9	942.3	946.4
22.5°	1021.1	1013.0	1003.4	999.4	1022.5	1011.6	985.8	962.7	954.6	964.1	970.9
25°	1060.5	1060.5	1042.8	1048.3	1074.1	1075.4	1045.5	1004.8	999.4	1003.4	1006.2
27.5°	1140.6	1144.7	1129.7	1135.2	1146.0	1155.5	1129.7	1095.8	1083.6	1082.2	1086.3
30°	1227.5	1235.6	1234.3	1257.4	1288.6	1294.0	1256.0	1200.3	1163.7	1156.9	1162.3
32.5°	1341.5	1345.6	1342.9	1370.1	1454.2	1493.6	1394.5	1315.7	1266.9	1279.1	1266.9
35°	1556.1	1552.0	1522.1	1527.6	1596.8	1625.3	1530.3	1480.0	1457.0	1481.4	1476.0
37.5°	1740.8	1725.8	1701.4	1736.7	1808.6	1834.4	1735.3	1647.1	1605.0	1645.7	1663.4
40°	1896.9	1858.9	1824.9	1860.2	1956.7	1992.0	1846.7	1774.7	1758.4	1788.3	1826.3
42.5°	2028.6	2004.2	1959.4	1962.1	2025.9	2042.2	1925.4	1883.3	1867.0	1914.6	1933.6
45°	2122.3	2099.2	2057.1	2054.4	2103.3	2092.4	1987.9	1959.4	1968.9	2000.1	2009.6
47.5°	2169.8	2182.1	2157.6	2164.4	2190.2	2164.4	2081.6	2081.6	2059.8	2078.9	2069.4
50°	2307.0	2269.0	2300.2	2300.2	2327.3	2330.1	2247.2	2217.4	2159.0	2126.4	2126.4
52.5°	2467.2	2469.9	2482.1	2526.9	2573.1	2612.5	2494.4	2366.7	2269.0	2226.9	2221.4
55°	2598.9	2626.1	2674.9	2759.1	2892.2	2946.5	2742.8	2514.7	2395.2	2330.1	2316.5
56°	2670.9	2645.1	2729.3	2844.7	3018.5	3089.1	2783.6	2544.6	2412.9	2339.6	2338.2
57.5°	2601.6	2630.1	2688.5	2870.5	3083.7	3176.0	2798.5	2531.0	2342.3	2267.6	2274.4
60°	2054.4	2081.6	2160.3	2364.0	2698.0	2770.0	2368.1	2087.0	1918.6	1811.4	1812.7
62.5°	1162.3	1182.7	1243.8	1432.5	1640.3	1709.5	1476.0	1288.6	1171.8	1112.1	1093.1
65°	427.7	419.6	429.1	525.5	653.1	711.5	613.7	518.7	457.6	435.9	427.7
67.5°	160.2	148.0	138.5	148.0	186.0	196.9	180.6	150.7	141.2	145.3	148.0
70°	99.1	93.7	74.7	70.6	69.2	67.9	72.0	76.0	86.9	101.8	104.6
72.5°	69.2	65.2	53.0	50.2	47.5	46.2	53.0	58.4	67.9	78.8	80.1
75°	27.2	28.5	27.2	29.9	31.2	32.6	38.0	42.1	46.2	46.2	44.8
77.5°	5.4	5.4	8.1	10.9	13.6	17.7	25.8	29.9	31.2	29.9	25.8
80°	0.0	0.0	2.7	5.4	10.9	14.9	23.1	25.8	28.5	25.8	20.4
82.5°	0.0	0.0	2.7	6.8	10.9	13.6	21.7	27.2	31.2	28.5	21.7
85°	0.0	0.0	2.7	5.4	8.1	9.5	9.5	6.8	6.8	4.1	2.7
87.5°	0.0	0.0	0.0	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)