

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: P527341

Luminaire Tested: **GALN-SA2B-760-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527341  
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-SA2B-760-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5700K, 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: 5969 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

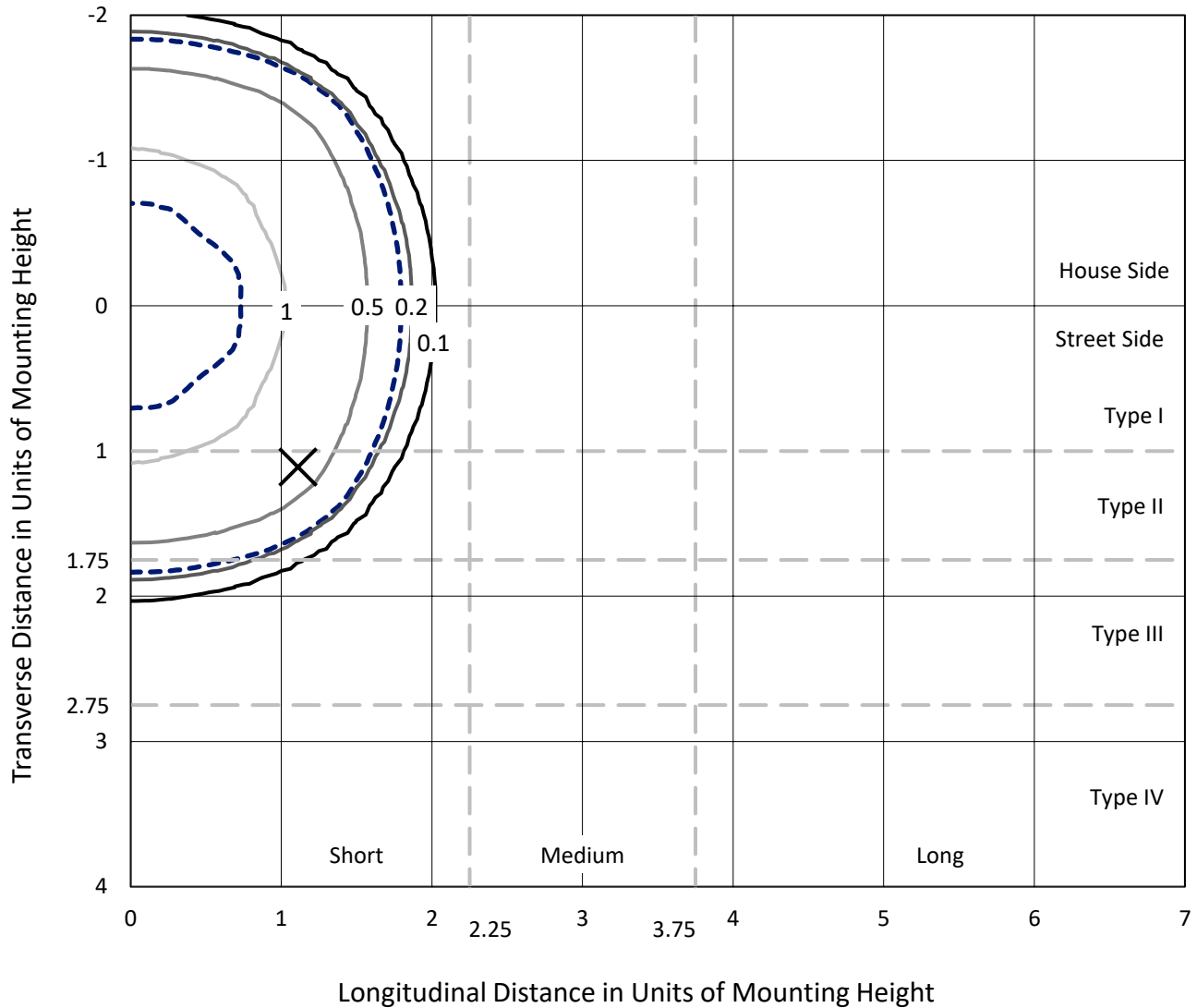
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

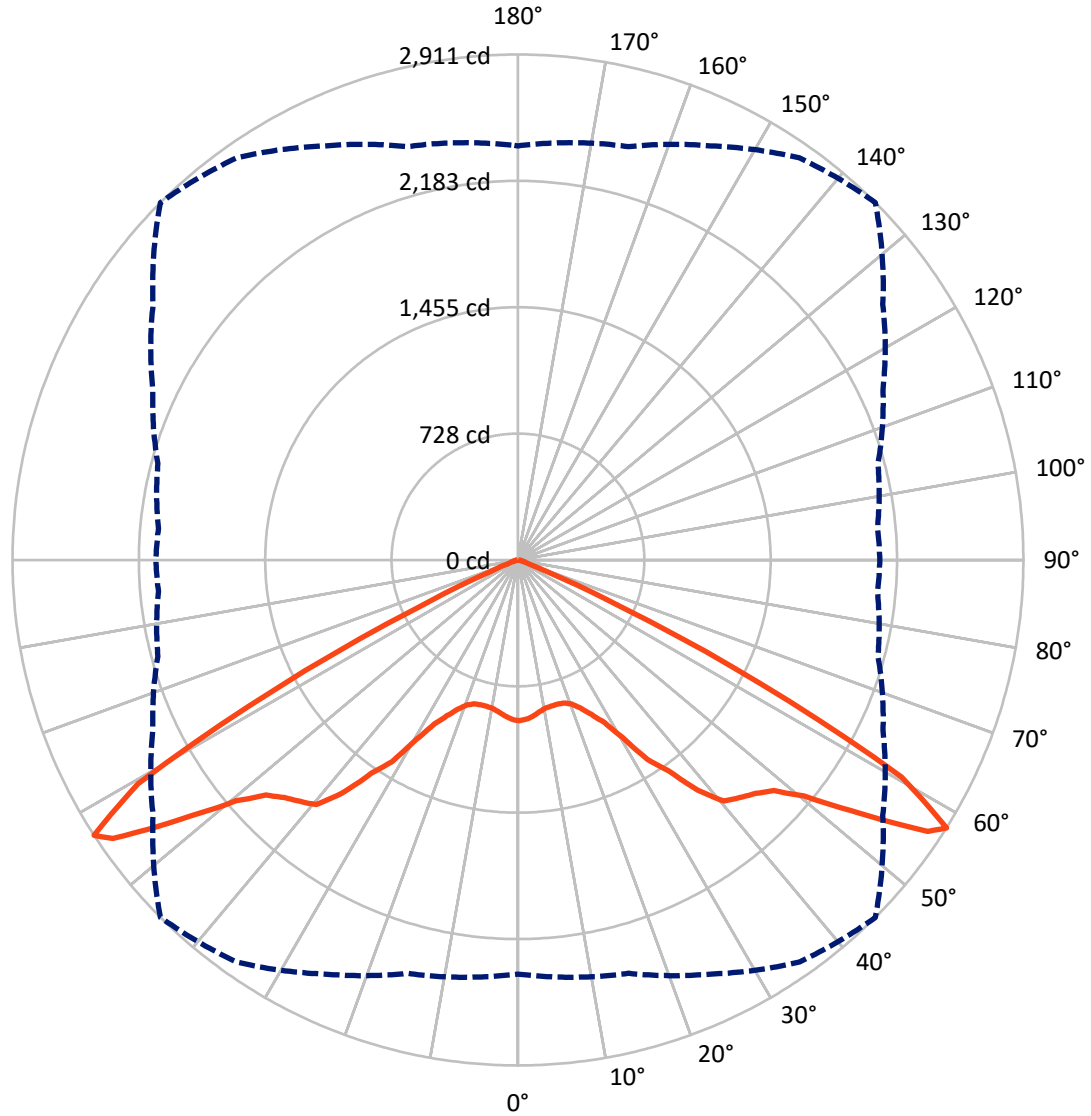
× Max cd  
 - - - 1/2 Max cd



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 57.5-Deg Vertical

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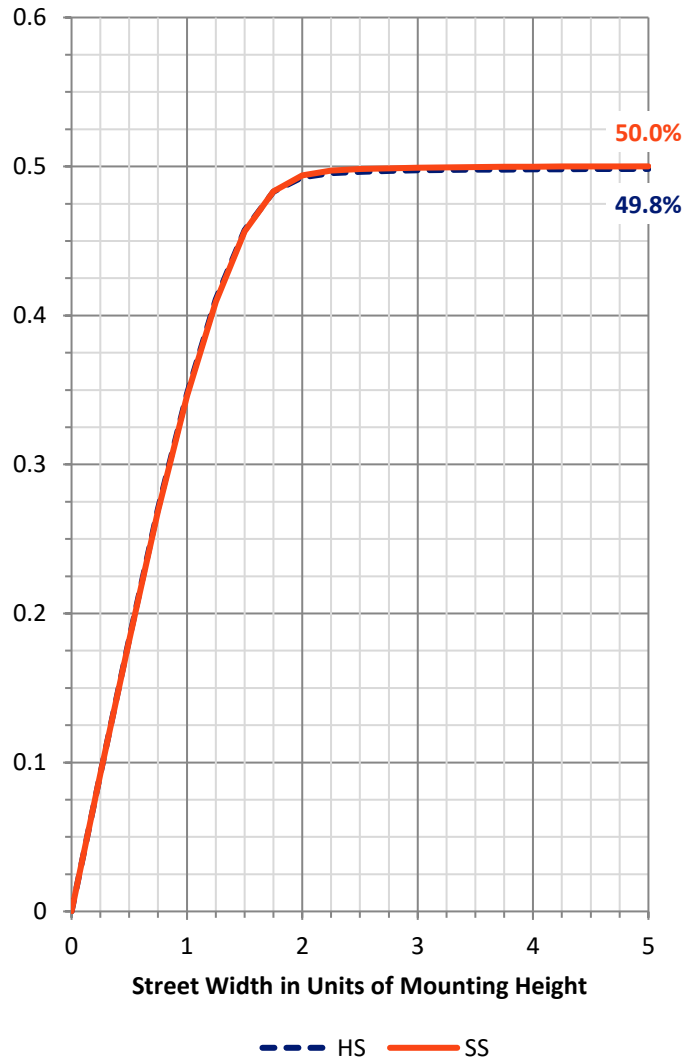
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2984.5	0.0	2984.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2984.5	0.0	2984.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5969.0	0.0	5969.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.1	1.4
10°-20°	245.9	4.1
20°-30°	453.9	7.6
30°-40°	892.7	15.0
40°-50°	1454.0	24.4
50°-60°	2073.6	34.7
60°-70°	717.9	12.0
70°-80°	38.5	0.6
80°-90°	7.2	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°	5969.0	100.0
0°-180°	5969.0	100.0

**Coefficient of Utilization**

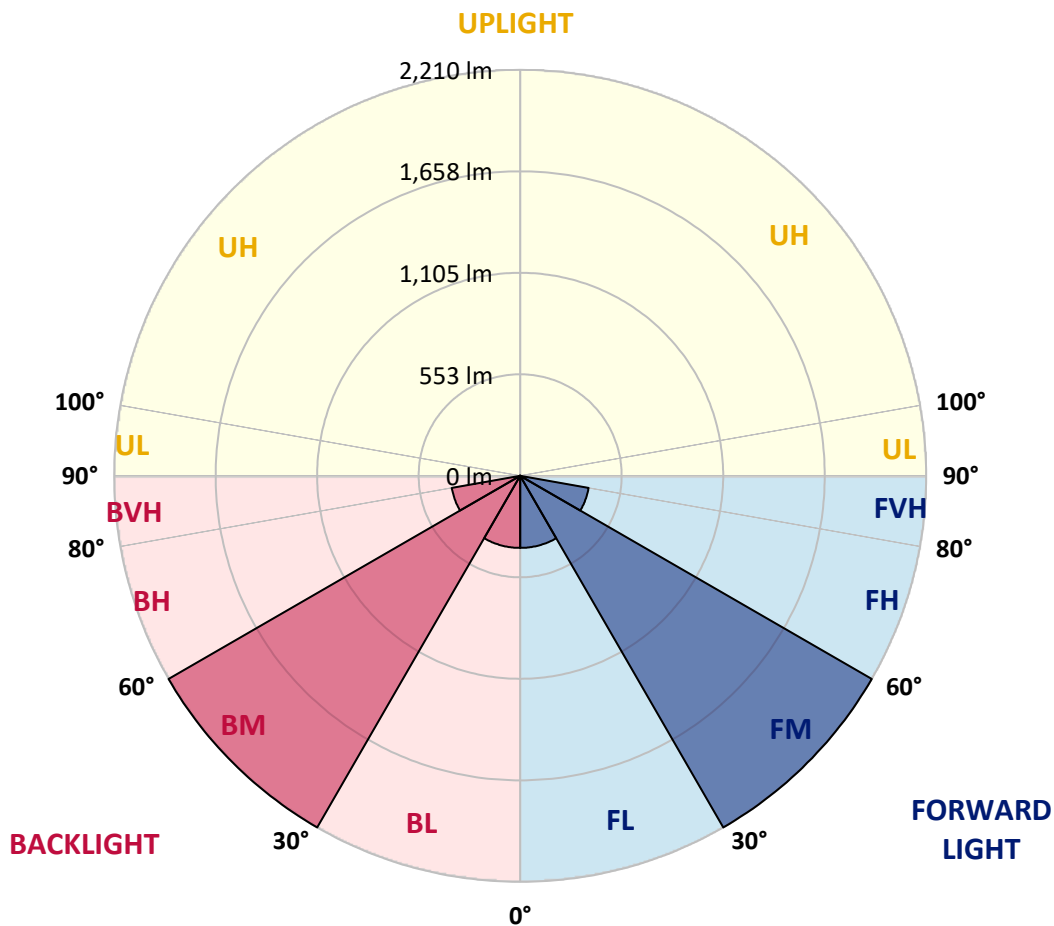


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.5	6.6			
FM (30°-60°)	2210.2	37.0			
FH (60°-80°)	378.2	6.3			G0/660
FVH (80°-90°)	3.6	0.1			G0/10
BL (0°-30°)	392.5	6.6	B1/500		
BM (30°-60°)	2210.2	37.0	B2/2500		
BH (60°-80°)	378.2	6.3	B1/500		G0/660
BVH (80°-90°)	3.6	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°	925.9	925.9	925.9	925.9	925.9	925.9	925.9	925.9	925.9	925.9	925.9
2.5°	923.4	928.3	922.1	919.6	918.4	918.4	914.7	914.7	913.4	914.7	909.7
5°	908.4	913.4	913.4	912.2	904.7	903.5	899.7	897.2	898.5	893.5	897.2
7.5°	893.5	897.2	892.3	891.0	888.5	883.5	882.3	871.1	872.3	872.3	874.8
10°	891.0	889.8	882.3	876.1	868.6	867.4	863.6	861.1	861.1	859.9	863.6
12.5°	891.0	884.8	883.5	869.9	857.4	862.4	852.4	846.2	854.9	857.4	862.4
15°	889.8	896.0	874.8	868.6	859.9	861.1	852.4	846.2	851.2	853.7	857.4
17.5°	897.2	893.5	887.3	874.8	871.1	866.1	854.9	849.9	849.9	856.2	857.4
20°	917.1	907.2	894.7	888.5	892.3	886.0	872.3	853.7	858.7	863.6	867.4
22.5°	935.8	928.3	919.6	915.9	937.1	927.1	903.5	882.3	874.8	883.5	889.8
25°	971.9	971.9	955.7	960.7	984.3	985.6	958.2	920.9	915.9	919.6	922.1
27.5°	1045.3	1049.1	1035.4	1040.3	1050.3	1059.0	1035.4	1004.3	993.1	991.8	995.5
30°	1125.0	1132.4	1131.2	1152.3	1181.0	1185.9	1151.1	1100.1	1066.5	1060.3	1065.2
32.5°	1229.5	1233.2	1230.7	1255.6	1332.8	1368.9	1278.0	1205.9	1161.1	1172.3	1161.1
35°	1426.1	1422.4	1395.0	1400.0	1463.4	1489.6	1402.5	1356.4	1335.3	1357.7	1352.7
37.5°	1595.4	1581.7	1559.3	1591.6	1657.6	1681.2	1590.4	1509.5	1470.9	1508.2	1524.4
40°	1738.5	1703.6	1672.5	1704.9	1793.2	1825.6	1692.4	1626.5	1611.5	1638.9	1673.8
42.5°	1859.2	1836.8	1795.7	1798.2	1856.7	1871.6	1764.6	1726.0	1711.1	1754.6	1772.1
45°	1945.0	1923.9	1885.3	1882.8	1927.6	1917.7	1821.8	1795.7	1804.4	1833.0	1841.8
47.5°	1988.6	1999.8	1977.4	1983.6	2007.3	1983.6	1907.7	1907.7	1887.8	1905.2	1896.5
50°	2114.3	2079.4	2108.1	2108.1	2132.9	2135.4	2059.5	2032.2	1978.6	1948.8	1948.8
52.5°	2261.1	2263.6	2274.8	2315.9	2358.2	2394.3	2286.0	2169.0	2079.4	2040.9	2035.9
55°	2381.8	2406.7	2451.5	2528.7	2650.6	2700.4	2513.7	2304.7	2195.2	2135.4	2123.0
56°	2447.8	2424.1	2501.3	2607.1	2766.4	2831.1	2551.1	2332.1	2211.3	2144.1	2142.9
57.5°	2384.3	2410.5	2464.0	2630.7	2826.1	2910.7	2564.8	2319.6	2146.6	2078.2	2084.4
60°	1882.8	1907.7	1979.9	2166.5	2472.7	2538.6	2170.3	1912.7	1758.4	1660.1	1661.3
62.5°	1065.2	1083.9	1139.9	1312.9	1503.3	1566.7	1352.7	1181.0	1073.9	1019.2	1001.8
65°	392.0	384.5	393.2	481.6	598.6	652.1	562.5	475.4	419.4	399.5	392.0
67.5°	146.8	135.6	126.9	135.6	170.5	180.4	165.5	138.1	129.4	133.2	135.6
70°	90.8	85.9	68.4	64.7	63.5	62.2	66.0	69.7	79.6	93.3	95.8
72.5°	63.5	59.7	48.5	46.0	43.6	42.3	48.5	53.5	62.2	72.2	73.4
75°	24.9	26.1	24.9	27.4	28.6	29.9	34.8	38.6	42.3	42.3	41.1
77.5°	5.0	5.0	7.5	10.0	12.4	16.2	23.6	27.4	28.6	27.4	23.6
80°	0.0	0.0	2.5	5.0	10.0	13.7	21.2	23.6	26.1	23.6	18.7
82.5°	0.0	0.0	2.5	6.2	10.0	12.4	19.9	24.9	28.6	26.1	19.9
85°	0.0	0.0	2.5	5.0	7.5	8.7	8.7	6.2	6.2	3.7	2.5
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)