

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: P647976

Luminaire Tested: **GALN-SA6A-835-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-835-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22223.1 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

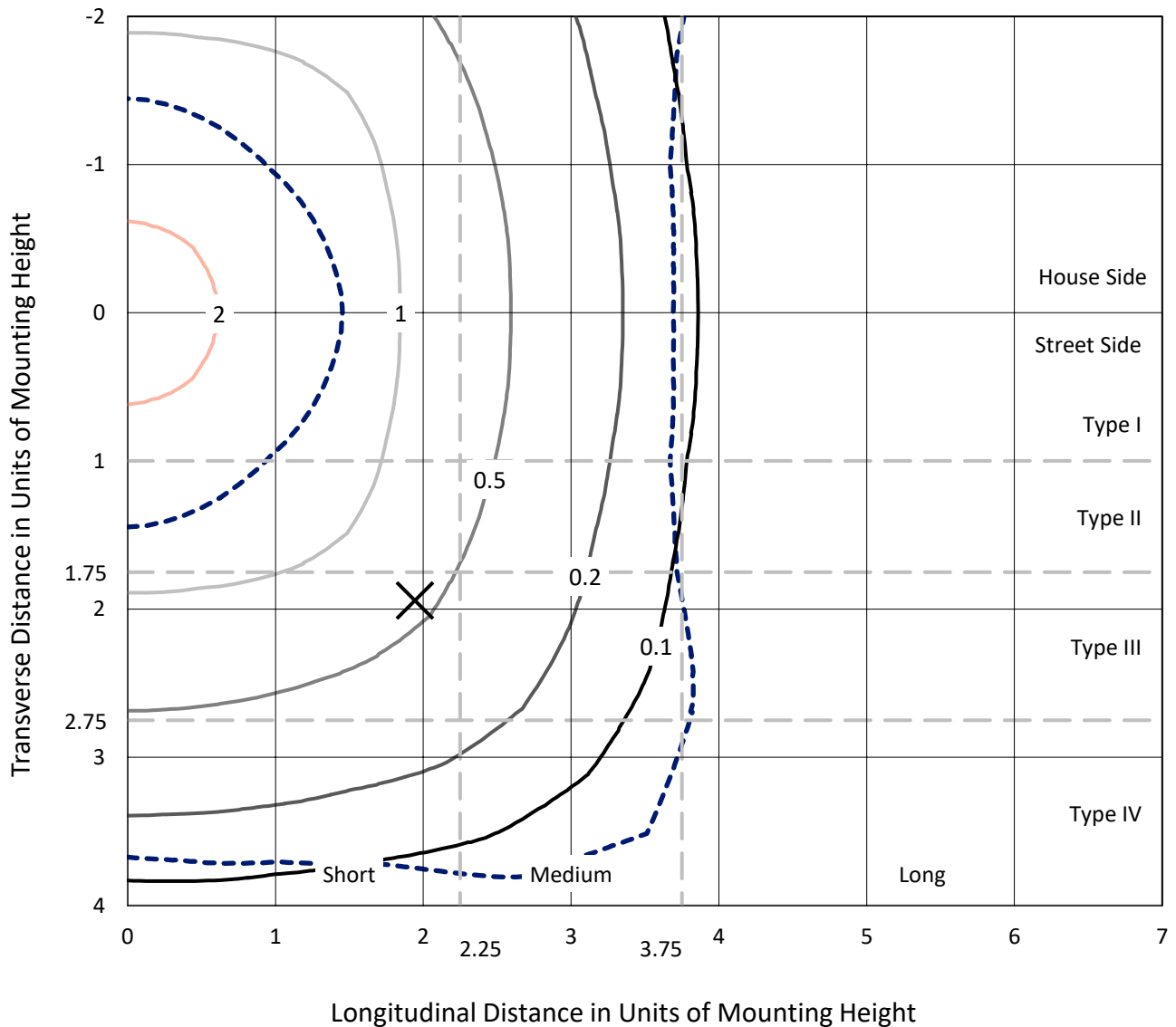
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

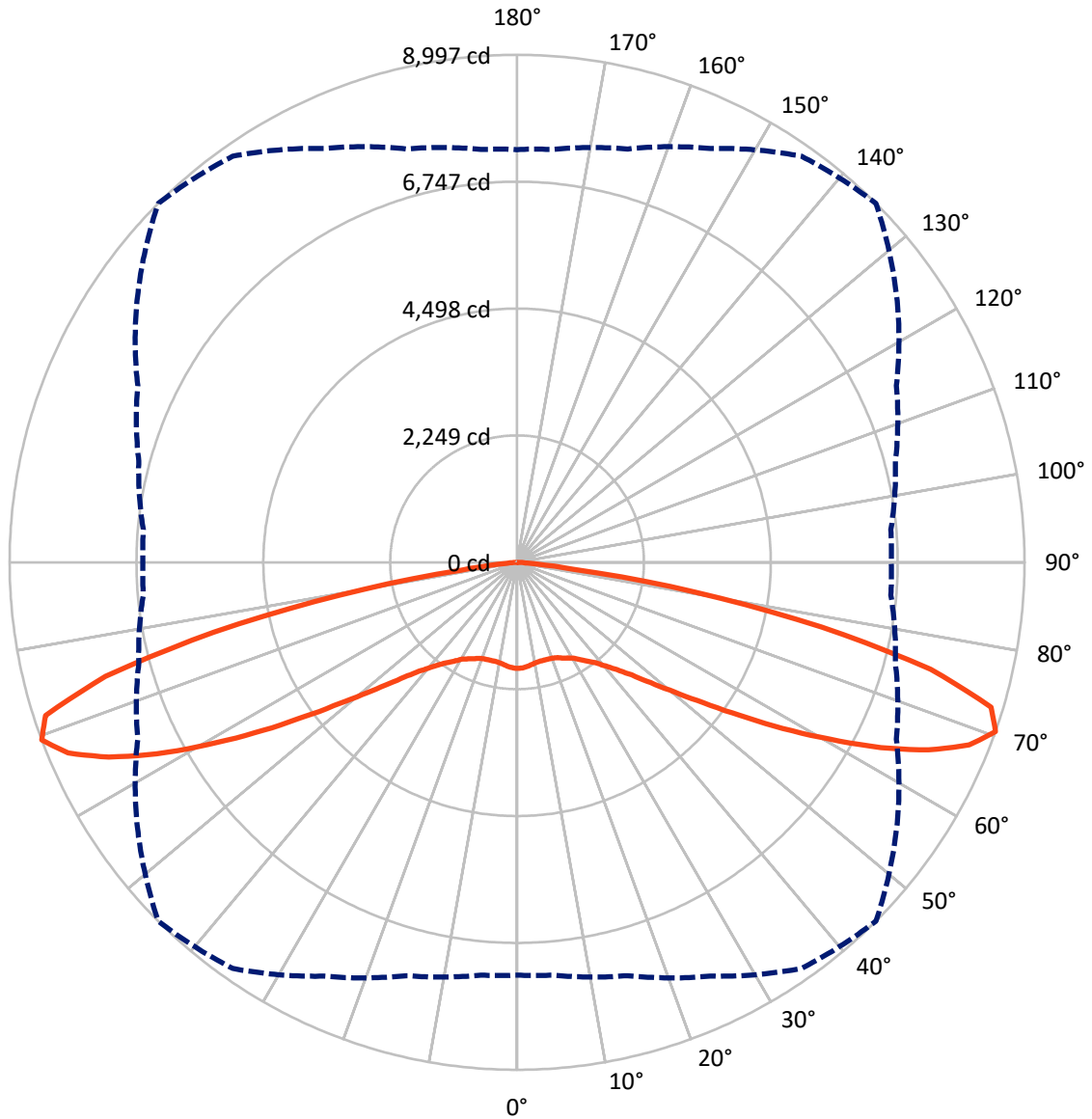
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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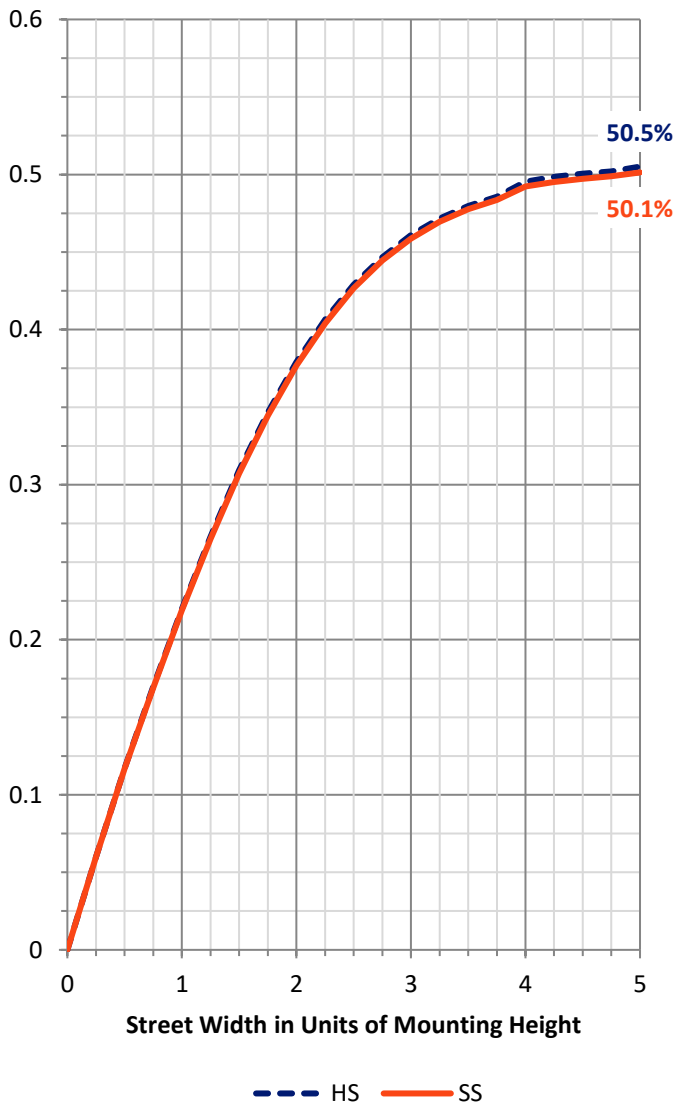
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11111.6	0.0	11111.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11111.6	0.0	11111.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	22223.1	0.0	22223.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.9	0.8
10°-20°	515.1	2.3
20°-30°	877.6	3.9
30°-40°	1360.3	6.1
40°-50°	2289.6	10.3
50°-60°	4165.8	18.7
60°-70°	7052.6	31.7
70°-80°	5459.0	24.6
80°-90°	327.1	1.5
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°	22223.1	100.0
0°-180°	22223.1	100.0

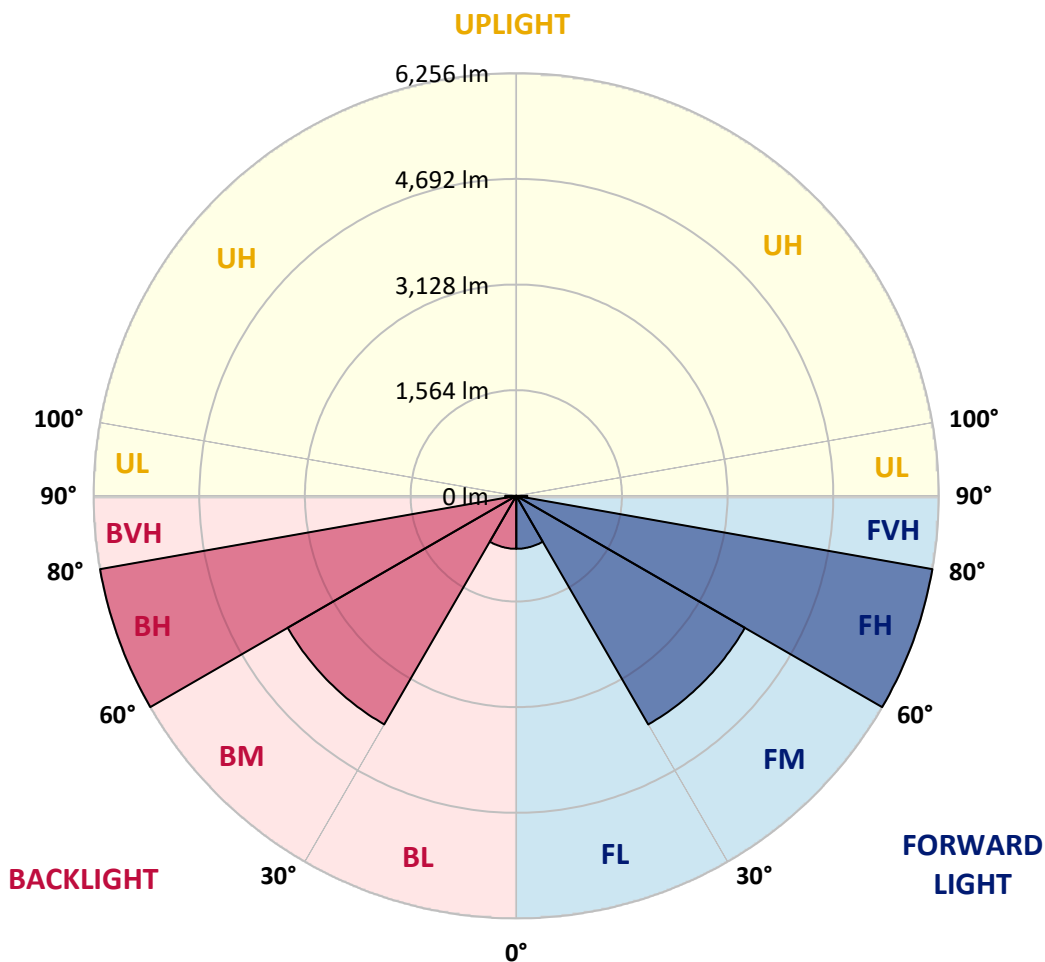


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	784.3	3.5			
FM (30°-60°)	3907.9	17.6			
FH (60°-80°)	6255.8	28.1			G3/7500
FVH (80°-90°)	163.6	0.7			G2/225
BL (0°-30°)	784.3	3.5	B2/1000		
BM (30°-60°)	3907.9	17.6	B3/5000		
BH (60°-80°)	6255.8	28.1	B5		G3/7500
BVH (80°-90°)	163.6	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1881.5	1881.5	1881.5	1881.5	1881.5	1881.5	1881.5	1881.5	1881.5	1881.5	1881.5
2.5°	1876.8	1877.9	1877.9	1875.6	1874.4	1874.4	1873.2	1873.2	1876.8	1877.9	1879.1
5°	1860.3	1860.3	1860.3	1859.2	1856.8	1856.8	1854.5	1854.5	1855.6	1859.2	1856.8
7.5°	1838.0	1840.4	1840.4	1835.7	1832.1	1832.1	1831.0	1832.1	1833.3	1836.8	1835.7
10°	1831.0	1832.1	1826.3	1818.0	1812.2	1808.7	1809.8	1812.2	1818.0	1820.4	1821.6
12.5°	1835.7	1835.7	1825.1	1813.3	1802.9	1798.2	1797.0	1805.1	1815.7	1822.7	1825.1
15°	1841.5	1839.2	1826.3	1811.0	1800.5	1799.3	1798.2	1804.0	1819.2	1833.3	1834.5
17.5°	1845.1	1843.9	1827.4	1808.7	1802.9	1802.9	1801.7	1806.3	1822.7	1840.4	1841.5
20°	1856.8	1853.3	1834.5	1814.5	1809.8	1812.2	1808.7	1814.5	1832.1	1853.3	1858.0
22.5°	1880.3	1876.8	1858.0	1838.0	1835.7	1835.7	1834.5	1840.4	1859.2	1881.5	1885.0
25°	1908.5	1905.0	1887.3	1873.2	1875.6	1880.3	1877.9	1879.1	1894.4	1913.2	1919.1
27.5°	1946.0	1940.1	1924.8	1913.2	1920.2	1920.2	1920.2	1919.1	1928.4	1946.0	1951.9
30°	1991.8	1989.4	1973.0	1971.8	1977.7	1971.8	1971.8	1973.0	1974.2	1990.6	1996.5
32.5°	2051.6	2046.9	2038.7	2036.4	2052.8	2057.5	2041.0	2025.9	2034.1	2050.4	2054.0
35°	2150.3	2143.2	2131.5	2118.6	2131.5	2153.7	2118.6	2106.8	2128.0	2150.3	2152.6
37.5°	2284.0	2280.5	2261.8	2238.3	2237.1	2260.6	2224.2	2223.0	2262.9	2289.9	2293.4
40°	2451.9	2455.4	2431.9	2409.6	2397.9	2416.7	2388.5	2399.0	2437.8	2468.3	2466.0
42.5°	2687.8	2674.9	2638.5	2617.4	2604.5	2597.4	2590.4	2606.8	2650.2	2683.1	2708.9
45°	2963.7	2959.0	2913.2	2887.3	2859.1	2848.6	2846.3	2875.6	2928.4	2968.4	2971.8
47.5°	3275.8	3265.3	3235.9	3208.9	3198.4	3185.5	3173.7	3196.0	3248.8	3277.0	3285.2
50°	3597.4	3599.8	3599.8	3595.1	3605.6	3608.0	3576.3	3584.5	3613.9	3611.5	3609.2
52.5°	3964.8	3977.7	4038.7	4044.6	4095.1	4129.2	4071.6	4037.5	4027.0	3963.6	3968.3
55°	4396.7	4408.4	4500.0	4591.6	4727.7	4785.2	4664.3	4558.7	4483.5	4387.3	4392.0
57.5°	4935.5	4941.4	5028.2	5204.2	5420.2	5555.2	5342.7	5133.8	4981.2	4889.7	4853.3
60°	5515.3	5521.2	5647.9	5862.7	6198.4	6362.7	6099.8	5758.3	5565.7	5426.0	5435.4
62.5°	6211.3	6234.7	6348.6	6644.4	7051.6	7235.9	6887.3	6430.8	6170.2	5996.4	6003.5
65°	6956.6	6996.5	7120.9	7446.0	7821.6	8020.0	7592.8	7065.7	6741.8	6529.4	6551.7
67.5°	7440.1	7475.4	7654.9	8014.1	8482.4	8646.7	8095.0	7481.3	7076.3	6822.7	6775.8
70°	7316.9	7346.3	7585.7	8095.0	8788.8	8996.5	8214.8	7420.2	6943.6	6651.4	6632.6
72.5°	6459.0	6397.9	6747.7	7478.9	8439.0	8787.6	7838.1	6777.0	6177.2	5876.8	5841.6
75°	4280.5	4413.1	4929.6	5791.1	7139.7	7571.6	6690.2	5441.3	4686.6	4436.6	4397.9
77.5°	1430.8	1532.9	1991.8	3282.9	4867.4	5516.5	4874.4	3558.7	2517.6	2028.2	2037.5
80°	379.1	374.4	484.8	902.6	2103.3	3194.9	2448.4	1205.4	659.6	477.7	453.0
82.5°	136.2	152.6	196.0	250.0	557.5	992.9	700.7	338.0	247.7	183.1	177.2
85°	59.8	58.6	84.5	99.8	139.7	185.4	164.4	143.2	125.6	83.3	77.4
87.5°	12.9	12.9	20.0	15.3	24.7	24.7	30.5	36.4	37.6	24.7	20.0
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)