

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642421

Luminaire Tested: GWS-SA6C-830-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-830-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22867.7 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

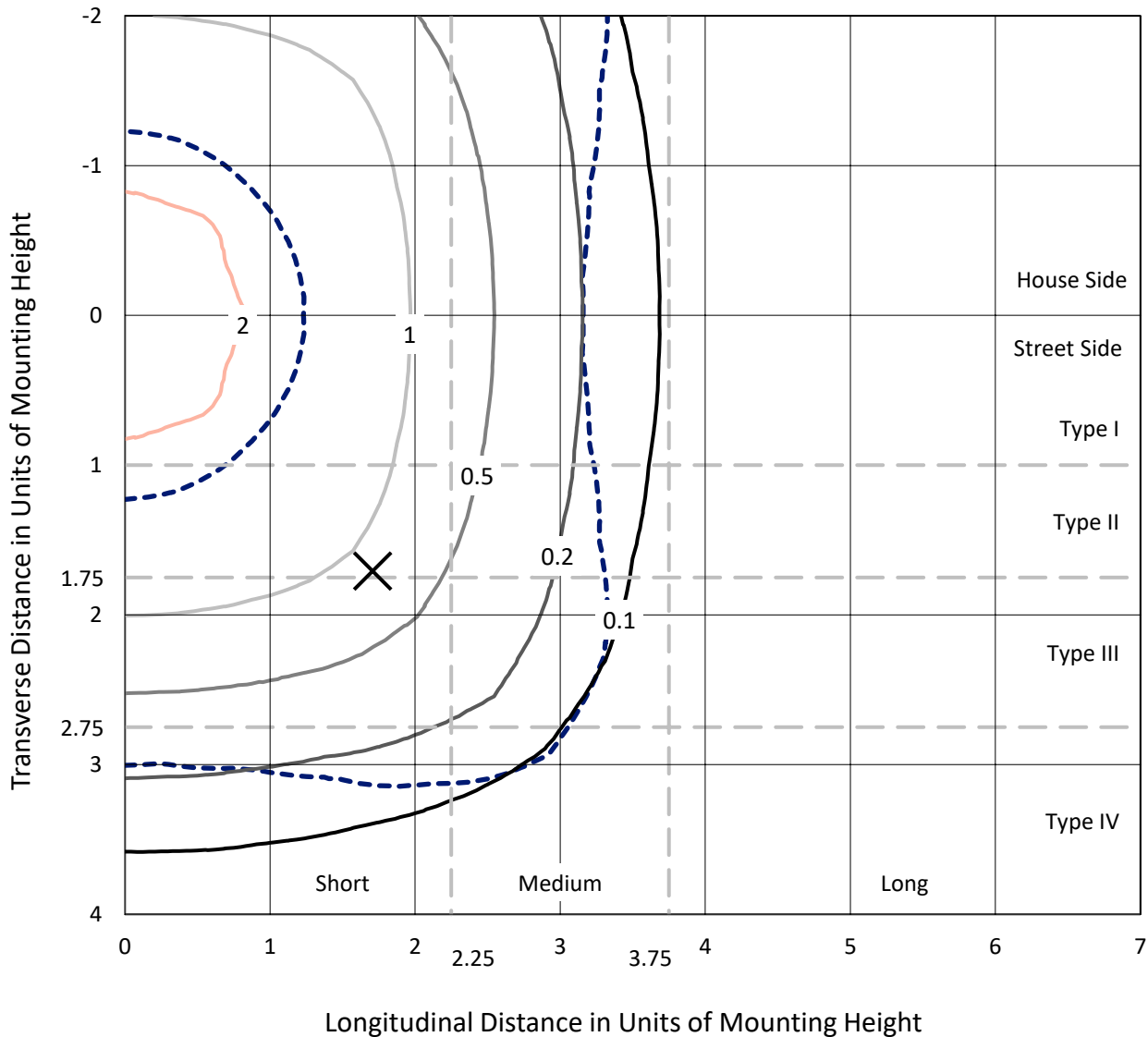
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

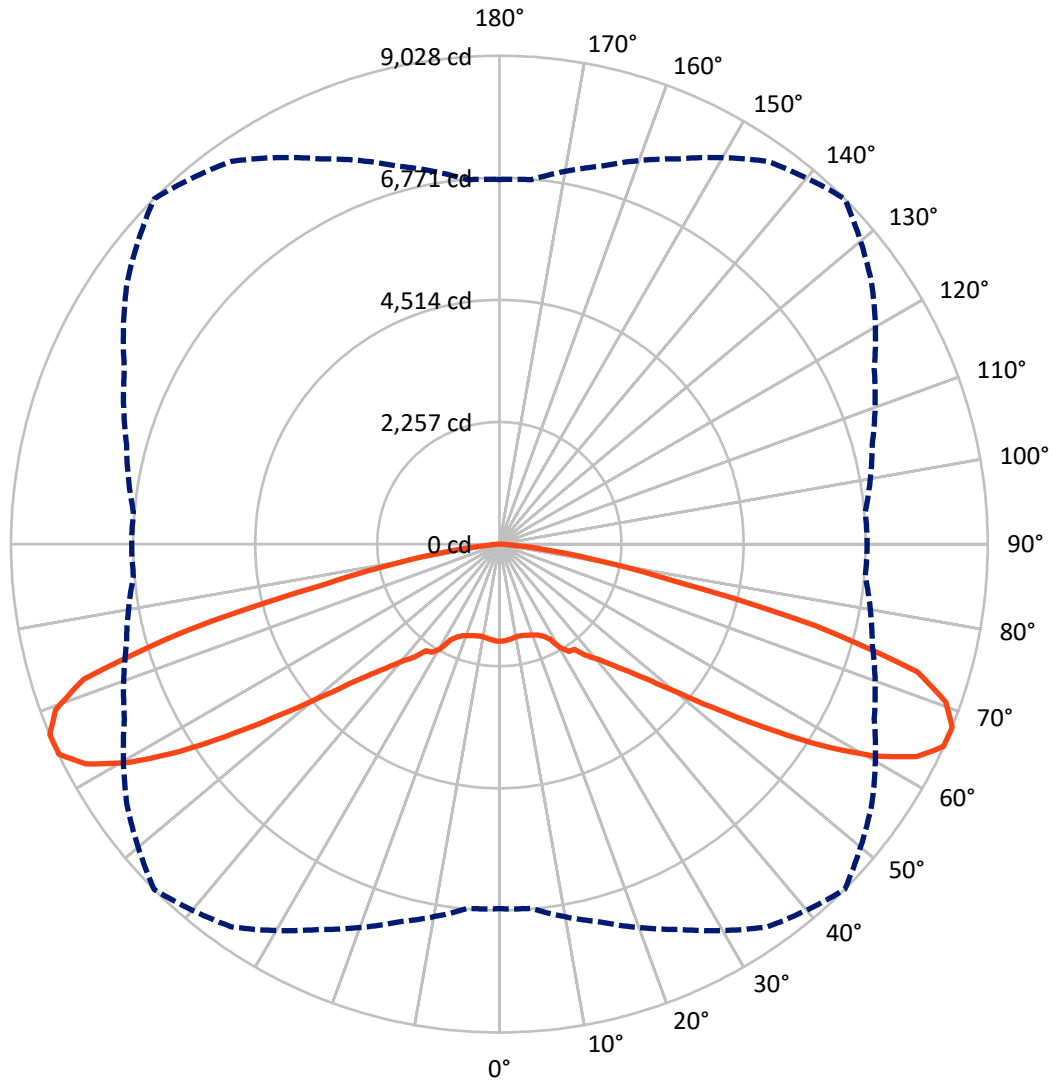
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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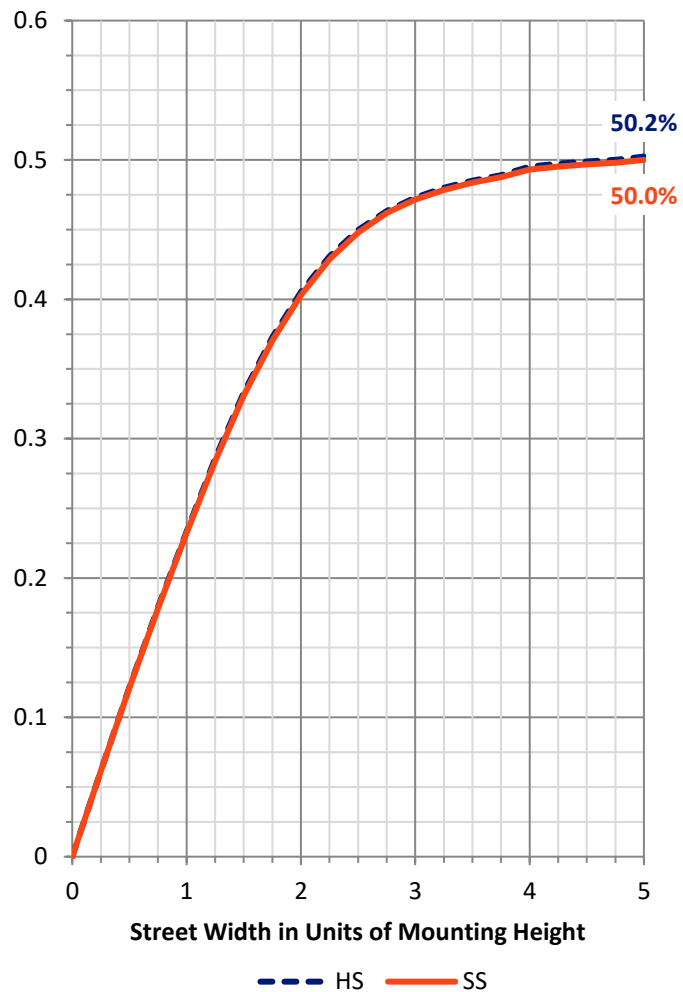
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11433.9	0.0	11433.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11433.9	0.0	11433.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	22867.7	0.0	22867.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	0.7
10°-20°	499.7	2.2
20°-30°	896.3	3.9
30°-40°	1514.2	6.6
40°-50°	2660.4	11.6
50°-60°	5132.0	22.4
60°-70°	7445.8	32.6
70°-80°	4260.2	18.6
80°-90°	290.8	1.3
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°	22867.7	100.0
0°-180°	22867.7	100.0

Coefficient of Utilization



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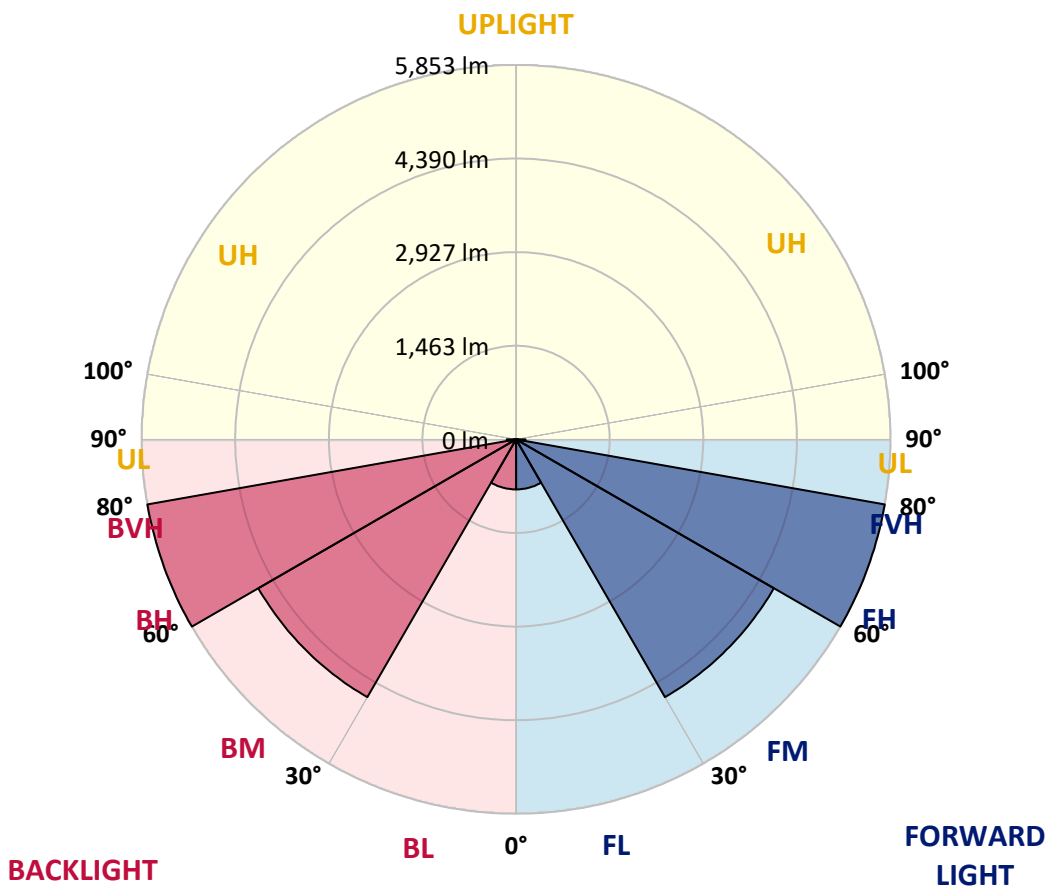
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	782.2	3.4			
FM (30°-60°)	4653.3	20.3			
FH (60°-80°)	5853.0	25.6			G3/7500
FVH (80°-90°)	145.4	0.6			G2/225
BL (0°-30°)	782.2	3.4	B2/1000		
BM (30°-60°)	4653.3	20.3	B3/5000		
BH (60°-80°)	5853.0	25.6	B5		G3/7500
BVH (80°-90°)	145.4	0.6			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°	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3
2.5°	1778.7	1780.4	1783.6	1783.6	1786.8	1791.7	1793.3	1790.1	1791.7	1783.6	1791.7
5°	1773.9	1775.5	1777.1	1773.9	1773.9	1775.5	1775.5	1772.3	1773.9	1765.8	1773.9
7.5°	1762.6	1764.2	1764.2	1759.3	1754.5	1757.7	1757.7	1754.5	1756.1	1748.0	1757.7
10°	1752.9	1752.9	1751.3	1741.5	1736.7	1741.5	1743.2	1744.8	1751.3	1744.8	1756.1
12.5°	1759.3	1759.3	1754.5	1741.5	1733.5	1736.7	1739.9	1743.2	1754.5	1752.9	1765.8
15°	1777.1	1778.7	1765.8	1751.3	1746.4	1751.3	1748.0	1746.4	1761.0	1765.8	1780.4
17.5°	1791.7	1791.7	1775.5	1761.0	1762.6	1770.7	1764.2	1756.1	1770.7	1780.4	1796.5
20°	1804.6	1803.0	1785.2	1775.5	1782.0	1793.3	1788.4	1777.1	1786.8	1798.1	1812.7
22.5°	1837.0	1835.3	1815.9	1811.1	1817.6	1828.9	1824.0	1814.3	1825.6	1841.8	1859.6
25°	1929.1	1925.9	1896.8	1880.6	1877.4	1885.5	1883.8	1880.6	1898.4	1917.8	1938.8
27.5°	2052.0	2050.4	2029.4	2013.2	1992.2	1985.7	1990.6	2005.1	2031.0	2045.6	2063.3
30°	2113.5	2113.5	2110.2	2136.1	2181.4	2225.0	2191.1	2136.1	2113.5	2107.0	2124.8
32.5°	2194.3	2202.4	2191.1	2220.2	2296.2	2360.9	2296.2	2207.3	2191.1	2191.1	2210.5
35°	2380.3	2383.5	2365.7	2360.9	2385.1	2393.2	2362.5	2330.2	2347.9	2351.2	2375.4
37.5°	2529.0	2529.0	2521.0	2533.9	2584.0	2614.7	2564.6	2506.4	2511.3	2514.5	2545.2
40°	2758.7	2765.1	2745.7	2744.1	2763.5	2791.0	2737.6	2700.5	2726.3	2734.4	2781.3
42.5°	3044.9	3044.9	3015.8	3007.7	3020.6	3049.7	2999.6	2975.3	3009.3	3015.8	3043.3
45°	3386.1	3394.2	3355.4	3340.8	3347.3	3357.0	3321.4	3310.1	3342.4	3357.0	3405.5
47.5°	3801.7	3809.7	3775.8	3774.2	3767.7	3774.2	3740.2	3733.7	3759.6	3748.3	3800.0
50°	4314.3	4328.8	4299.7	4340.1	4335.3	4354.7	4307.8	4273.8	4273.8	4243.1	4272.2
52.5°	4888.3	4917.4	4932.0	4999.9	5051.6	5100.1	5022.5	4969.2	4891.5	4828.5	4907.7
55°	5514.1	5506.0	5598.2	5747.0	5899.0	6013.8	5861.8	5693.6	5567.5	5436.5	5467.2
57.5°	6062.3	6089.8	6211.0	6482.7	6783.5	7026.0	6752.7	6429.3	6143.1	5955.5	5981.4
60°	6518.3	6540.9	6702.6	7093.9	7619.5	7954.2	7520.8	6987.2	6571.6	6312.9	6340.4
62.5°	6938.7	6959.7	7123.0	7554.8	8217.8	8654.4	8094.9	7365.6	6903.1	6642.8	6659.0
65°	7181.3	7194.2	7417.4	7871.7	8570.3	9021.5	8390.8	7638.9	7184.5	6919.3	6929.0
67.5°	6739.8	6760.8	7231.4	7858.8	8638.2	9027.9	8403.7	7647.0	7136.0	6789.9	6798.0
70°	5316.8	5299.0	5860.1	6938.7	8248.5	8756.3	8030.2	7072.9	6283.8	5800.3	5792.2
72.5°	4053.9	4058.8	4370.9	5109.8	6725.3	8080.3	7085.9	5695.2	4844.6	4477.6	4463.0
75°	2939.8	2985.1	3238.9	3780.6	4704.0	6039.6	5334.6	4220.5	3651.3	3431.4	3399.0
77.5°	1324.4	1382.6	1736.7	2373.8	3145.1	3337.6	3350.5	2865.4	2162.0	1796.5	1739.9
80°	386.5	414.0	532.0	910.4	1465.0	1893.6	1503.8	1264.5	787.5	617.7	588.6
82.5°	163.3	186.0	228.0	252.3	425.3	878.1	546.6	347.7	323.4	262.0	239.3
85°	69.5	74.4	95.4	101.9	137.4	187.6	173.0	156.9	150.4	116.4	106.7
87.5°	29.1	29.1	29.1	25.9	24.3	25.9	35.6	45.3	59.8	46.9	43.7
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)