

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: P641920

Luminaire Tested: GWS-SA6B-830-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-830-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17417.9 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

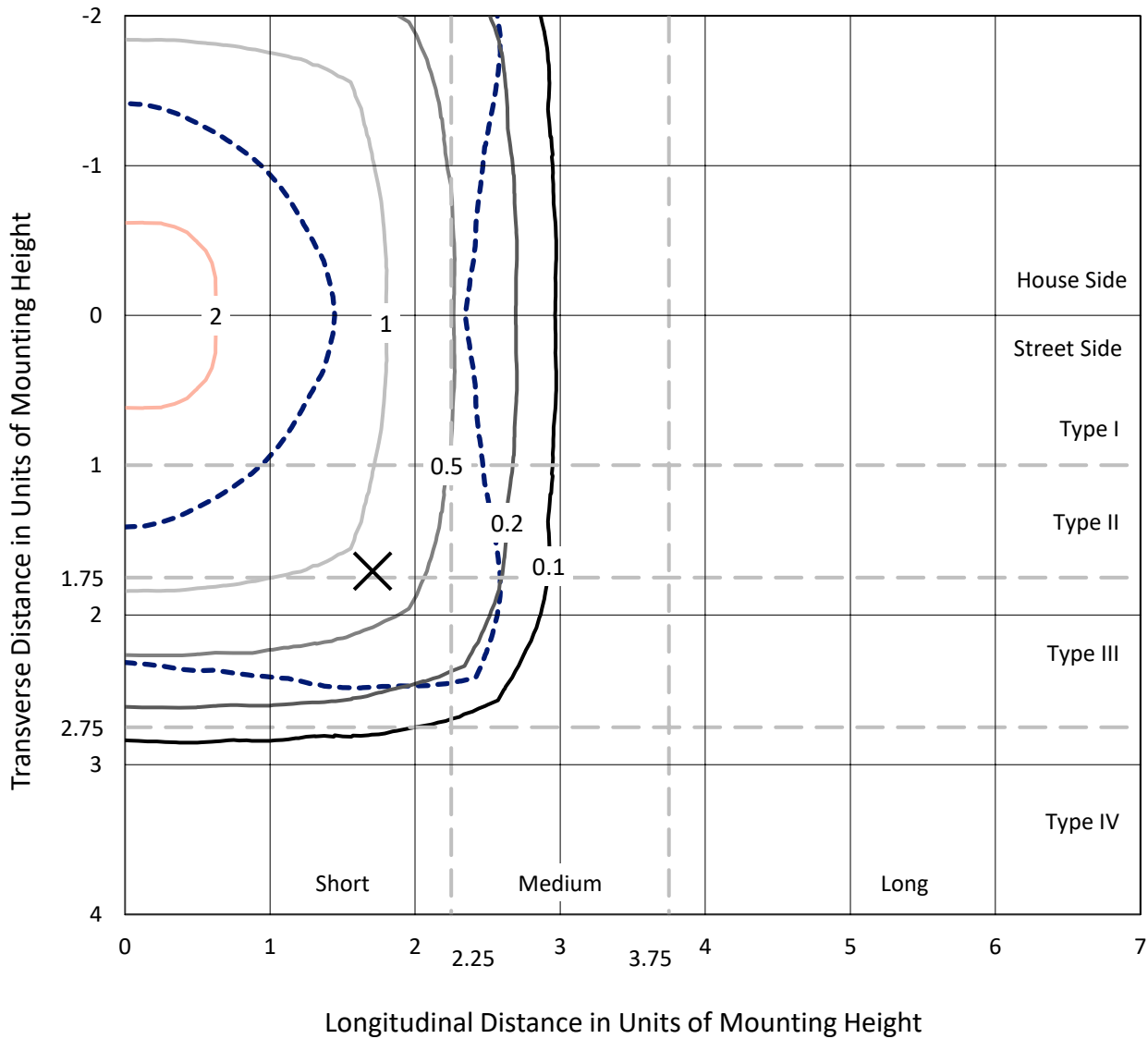
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

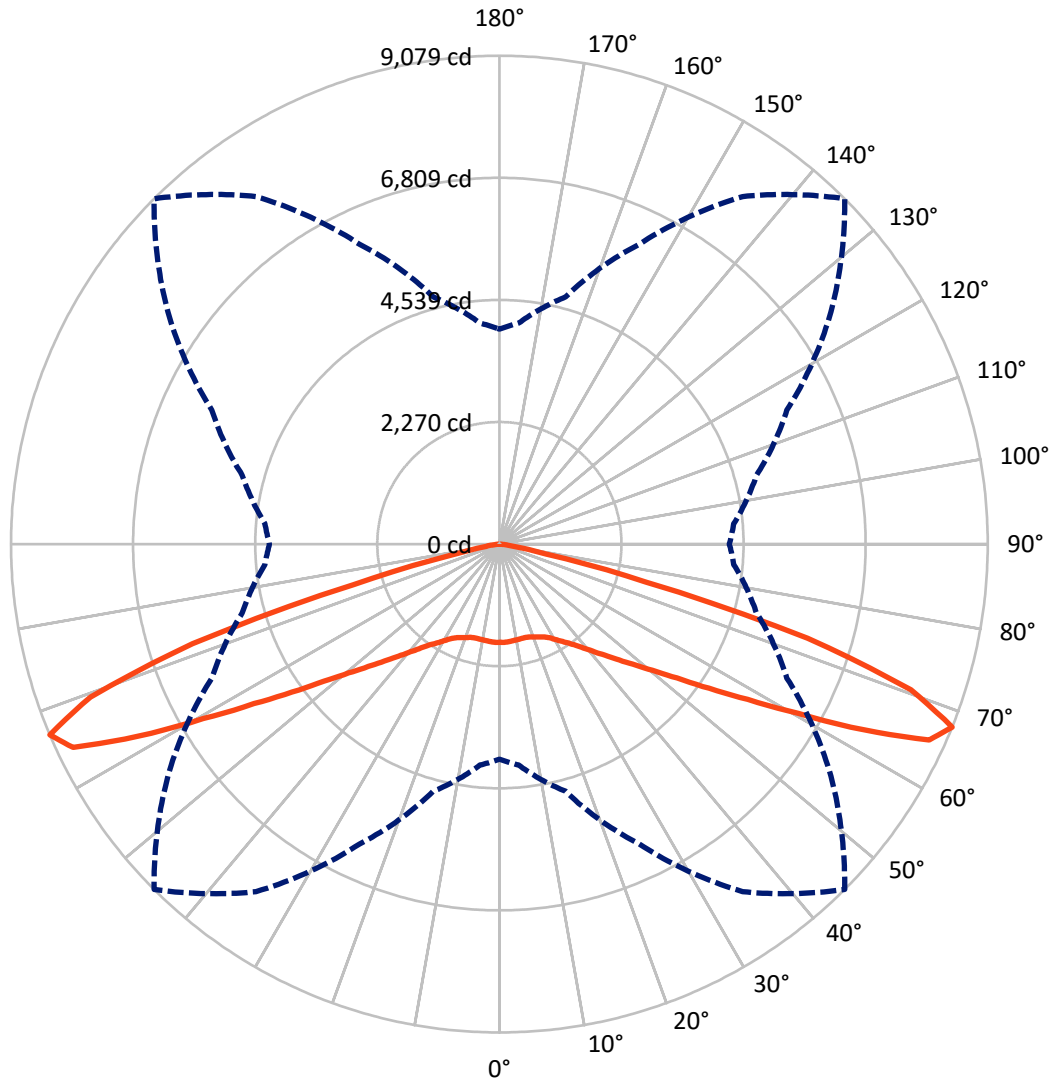
✕ Max cd
 - - - 1/2 Max cd



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	8708.9	0.0	8708.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8708.9	0.0	8708.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	17417.9	0.0	17417.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.7	1.0
10°-20°	507.1	2.9
20°-30°	874.6	5.0
30°-40°	1422.2	8.2
40°-50°	2394.6	13.7
50°-60°	4242.8	24.4
60°-70°	6064.8	34.8
70°-80°	1664.5	9.6
80°-90°	74.6	0.4
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°	17417.9	100.0
0°-180°	17417.9	100.0

Coefficient of Utilization



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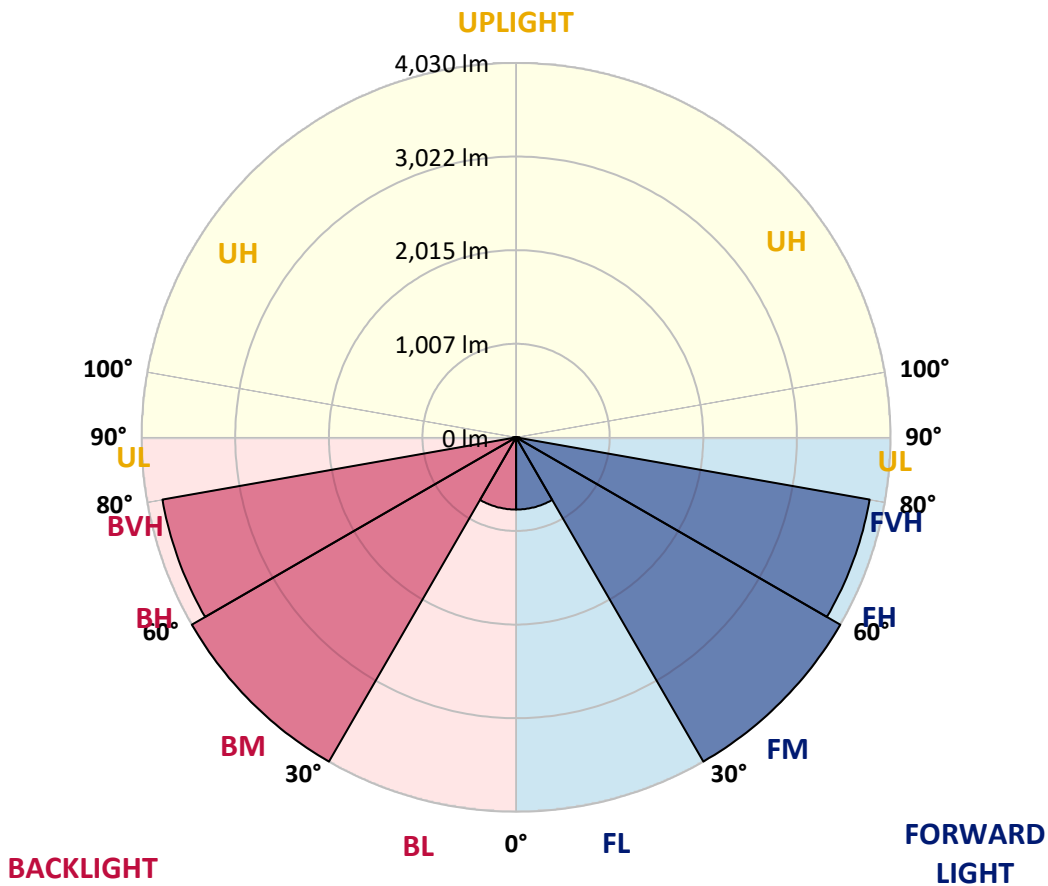
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	777.2	4.5			
FM (30°-60°)	4029.8	23.1			
FH (60°-80°)	3864.7	22.2			G2/5000
FVH (80°-90°)	37.3	0.2			G1/100
BL (0°-30°)	777.2	4.5	B2/1000		
BM (30°-60°)	4029.8	23.1	B3/5000		
BH (60°-80°)	3864.7	22.2	B4/5000		G2/5000
BVH (80°-90°)	37.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2
2.5°	1812.2	1811.0	1817.0	1820.6	1819.4	1827.8	1826.6	1824.2	1824.2	1820.6	1830.2
5°	1812.2	1811.0	1815.8	1817.0	1814.6	1821.8	1819.4	1817.0	1817.0	1812.2	1820.6
7.5°	1802.5	1803.7	1807.3	1809.7	1807.3	1813.4	1809.7	1804.9	1803.7	1798.9	1807.3
10°	1784.4	1785.6	1789.3	1795.3	1796.5	1807.3	1801.3	1792.9	1789.3	1784.4	1792.9
12.5°	1773.6	1774.8	1778.4	1785.6	1788.0	1802.5	1796.5	1783.2	1777.2	1772.4	1780.8
15°	1771.2	1772.4	1777.2	1784.4	1788.0	1802.5	1796.5	1780.8	1772.4	1766.3	1773.6
17.5°	1771.2	1773.6	1780.8	1791.7	1798.9	1813.4	1806.1	1788.0	1776.0	1765.1	1772.4
20°	1772.4	1776.0	1786.8	1802.5	1820.6	1841.1	1831.5	1807.3	1790.5	1777.2	1782.0
22.5°	1783.2	1789.3	1802.5	1823.0	1849.5	1873.7	1865.2	1832.7	1808.5	1790.5	1795.3
25°	1820.6	1823.0	1839.9	1866.4	1891.7	1912.2	1903.8	1873.7	1843.5	1821.8	1827.8
27.5°	1886.9	1892.9	1907.4	1935.1	1956.8	1967.7	1966.5	1946.0	1915.9	1896.6	1901.4
30°	1966.5	1972.5	1991.8	2023.2	2044.9	2056.9	2053.3	2037.6	2009.9	1983.4	1988.2
32.5°	2059.3	2061.7	2084.6	2119.6	2142.5	2160.6	2148.6	2131.7	2096.7	2065.4	2067.8
35°	2177.5	2181.1	2205.2	2237.8	2255.9	2270.3	2267.9	2251.0	2213.7	2179.9	2188.3
37.5°	2325.8	2328.2	2349.9	2390.9	2405.4	2416.2	2418.6	2410.2	2371.6	2328.2	2336.6
40°	2510.3	2511.5	2535.6	2571.7	2587.4	2594.7	2595.9	2597.1	2557.3	2524.7	2522.3
42.5°	2724.9	2730.9	2764.7	2799.6	2806.9	2803.2	2815.3	2827.4	2788.8	2744.2	2747.8
45°	2981.7	2985.3	3031.1	3069.7	3056.4	3044.4	3067.3	3091.4	3056.4	2998.6	2981.7
47.5°	3285.5	3292.8	3342.2	3380.8	3359.1	3337.4	3374.7	3400.1	3343.4	3281.9	3266.2
50°	3629.1	3634.0	3703.9	3752.1	3726.8	3687.0	3734.0	3760.6	3684.6	3608.6	3574.9
52.5°	4035.5	4025.8	4118.7	4203.1	4187.4	4135.5	4174.1	4178.9	4065.6	3958.3	3924.5
55°	4531.0	4521.4	4614.2	4707.0	4745.6	4732.4	4714.3	4685.3	4517.7	4403.2	4371.9
57.5°	5108.5	5078.4	5208.6	5334.0	5418.4	5442.5	5365.3	5297.8	5165.2	5024.1	4988.0
60°	5645.1	5643.9	5850.0	6067.1	6298.6	6395.0	6199.7	6016.4	5718.6	5461.8	5410.0
62.5°	5795.8	5821.1	6158.7	6696.4	7267.9	7609.1	7094.3	6487.9	5912.7	5525.7	5457.0
65°	5424.4	5487.1	5967.0	6815.8	7944.3	8778.7	7616.4	6498.7	5696.9	5214.6	5142.3
67.5°	3998.1	4123.5	4758.9	6150.3	7886.5	9078.9	7523.5	5897.1	4948.2	4374.3	4274.2
70°	1972.5	2091.9	2595.9	4046.3	6489.1	8115.5	6509.6	4444.2	3342.2	2790.0	2698.3
72.5°	725.8	774.1	971.8	1731.4	3580.9	5994.7	4451.4	2482.5	1619.2	1288.9	1227.4
75°	355.7	364.1	394.3	581.1	1321.4	2821.3	2091.9	952.5	595.6	518.4	501.6
77.5°	226.7	230.3	244.8	277.3	424.4	888.6	634.2	376.2	291.8	279.7	279.7
80°	126.6	130.2	149.5	172.4	198.9	305.0	227.9	225.5	191.7	167.6	164.0
82.5°	60.3	66.3	95.2	94.0	104.9	153.1	133.8	121.8	123.0	92.8	88.0
85°	27.7	27.7	37.4	44.6	47.0	51.8	61.5	69.9	68.7	47.0	50.6
87.5°	13.3	13.3	13.3	12.1	10.9	9.6	13.3	21.7	31.3	21.7	20.5
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)