

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: P641480

Luminaire Tested: GWS-SA6B-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641480
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-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16150.7 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

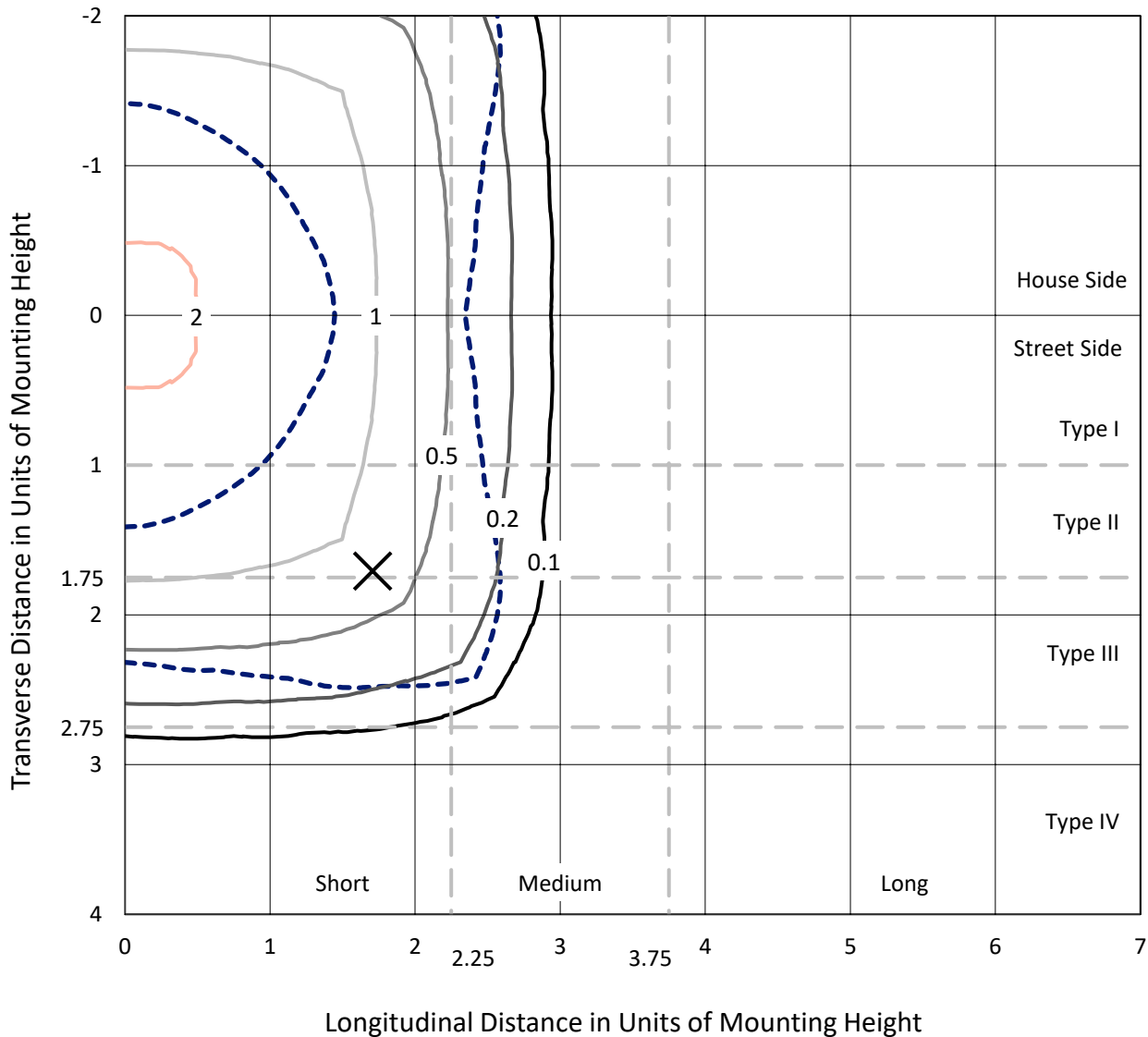
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

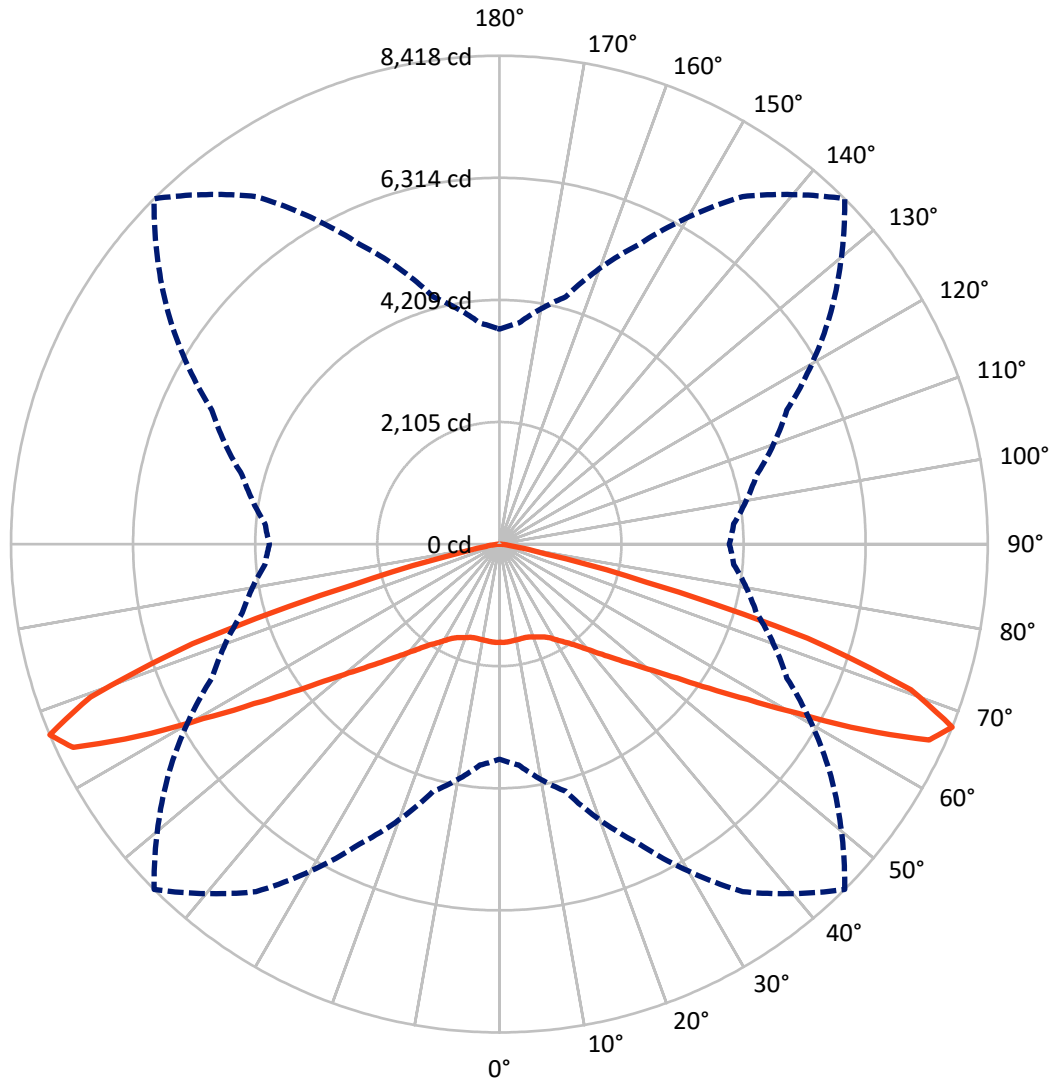
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	8075.4	0.0	8075.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8075.4	0.0	8075.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	16150.7	0.0	16150.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.1	1.0
10°-20°	470.2	2.9
20°-30°	811.0	5.0
30°-40°	1318.7	8.2
40°-50°	2220.4	13.7
50°-60°	3934.1	24.4
60°-70°	5623.6	34.8
70°-80°	1543.4	9.6
80°-90°	69.2	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°	16150.7	100.0
0°-180°	16150.7	100.0

Coefficient of Utilization



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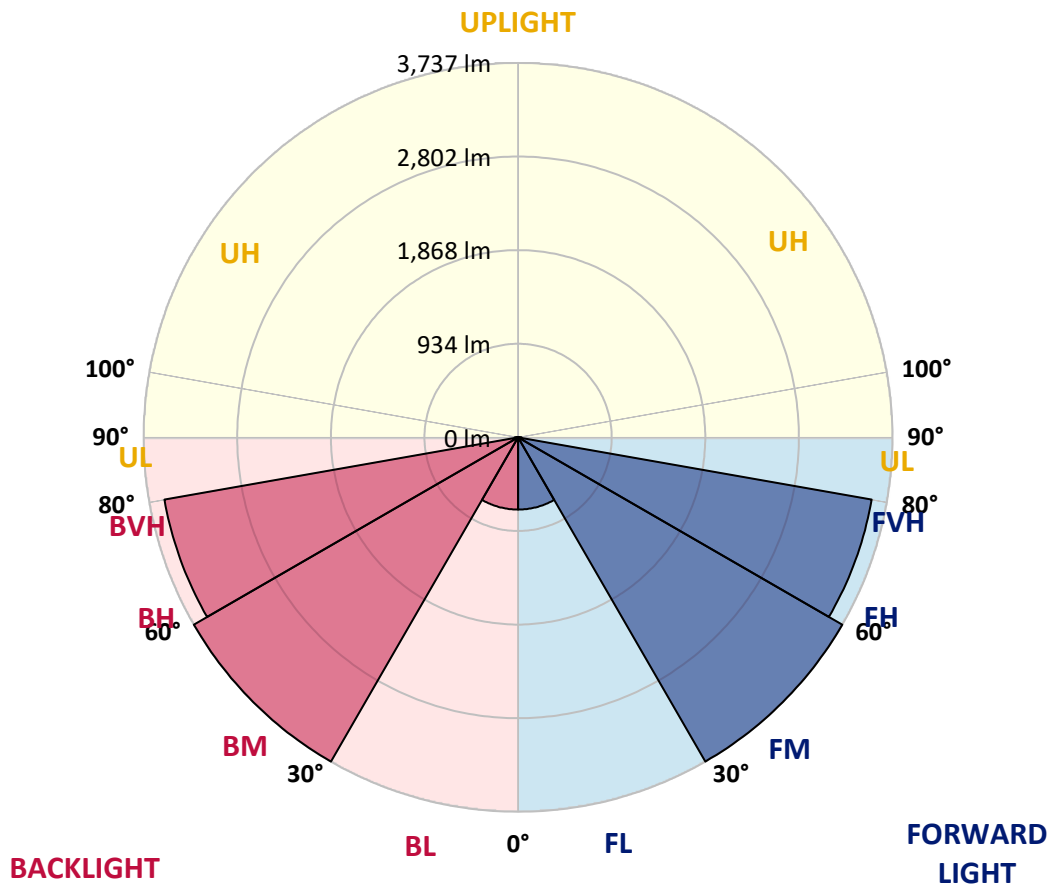
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	720.6	4.5			
FM (30°-60°)	3736.6	23.1			
FH (60°-80°)	3583.5	22.2			G2/5000
FVH (80°-90°)	34.6	0.2			G1/100
BL (0°-30°)	720.6	4.5	B2/1000		
BM (30°-60°)	3736.6	23.1	B3/5000		
BH (60°-80°)	3583.5	22.2	B4/5000		G2/5000
BVH (80°-90°)	34.6	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°	1691.5	1691.5	1691.5	1691.5	1691.5	1691.5	1691.5	1691.5	1691.5	1691.5	1691.5
2.5°	1680.3	1679.2	1684.8	1688.1	1687.0	1694.9	1693.7	1691.5	1691.5	1688.1	1697.1
5°	1680.3	1679.2	1683.7	1684.8	1682.6	1689.3	1687.0	1684.8	1684.8	1680.3	1688.1
7.5°	1671.4	1672.5	1675.8	1678.1	1675.8	1681.4	1678.1	1673.6	1672.5	1668.0	1675.8
10°	1654.6	1655.7	1659.1	1664.7	1665.8	1675.8	1670.3	1662.4	1659.1	1654.6	1662.4
12.5°	1644.5	1645.7	1649.0	1655.7	1658.0	1671.4	1665.8	1653.5	1647.9	1643.4	1651.3
15°	1642.3	1643.4	1647.9	1654.6	1658.0	1671.4	1665.8	1651.3	1643.4	1637.8	1644.5
17.5°	1642.3	1644.5	1651.3	1661.3	1668.0	1681.4	1674.7	1658.0	1646.8	1636.7	1643.4
20°	1643.4	1646.8	1656.8	1671.4	1688.1	1707.2	1698.2	1675.8	1660.2	1647.9	1652.4
22.5°	1653.5	1659.1	1671.4	1690.4	1715.0	1737.3	1729.5	1699.3	1677.0	1660.2	1664.7
25°	1688.1	1690.4	1706.0	1730.6	1754.1	1773.1	1765.3	1737.3	1709.4	1689.3	1694.9
27.5°	1749.6	1755.2	1768.6	1794.4	1814.5	1824.5	1823.4	1804.4	1776.5	1758.6	1763.1
30°	1823.4	1829.0	1846.9	1876.0	1896.1	1907.3	1903.9	1889.4	1863.7	1839.1	1843.5
32.5°	1909.5	1911.7	1933.0	1965.4	1986.6	2003.4	1992.2	1976.6	1944.2	1915.1	1917.3
35°	2019.1	2022.4	2044.8	2075.0	2091.7	2105.2	2102.9	2087.3	2052.6	2021.3	2029.1
37.5°	2156.6	2158.8	2178.9	2217.0	2230.4	2240.4	2242.7	2234.8	2199.1	2158.8	2166.6
40°	2327.6	2328.7	2351.1	2384.6	2399.2	2405.9	2407.0	2408.1	2371.2	2341.0	2338.8
42.5°	2526.6	2532.2	2563.5	2595.9	2602.7	2599.3	2610.5	2621.7	2585.9	2544.5	2547.9
45°	2764.8	2768.1	2810.6	2846.4	2834.1	2822.9	2844.1	2866.5	2834.1	2780.4	2764.8
47.5°	3046.5	3053.2	3099.0	3134.8	3114.7	3094.6	3129.2	3152.7	3100.2	3043.1	3028.6
50°	3365.1	3369.6	3434.4	3479.1	3455.7	3418.8	3462.4	3487.0	3416.5	3346.1	3314.8
52.5°	3741.9	3732.9	3819.0	3897.3	3882.7	3834.7	3870.4	3874.9	3769.8	3670.3	3639.0
55°	4201.4	4192.4	4278.5	4364.6	4400.4	4388.1	4371.3	4344.5	4189.1	4082.9	4053.8
57.5°	4736.9	4708.9	4829.7	4945.9	5024.2	5046.6	4975.0	4912.4	4789.4	4658.6	4625.1
60°	5234.4	5233.3	5424.4	5625.7	5840.3	5929.8	5748.6	5578.7	5302.6	5064.4	5016.4
62.5°	5374.1	5397.6	5710.6	6209.3	6739.2	7055.6	6578.2	6015.8	5482.6	5123.7	5060.0
65°	5029.8	5087.9	5532.9	6319.9	7366.4	8140.0	7062.3	6025.9	5282.4	4835.3	4768.2
67.5°	3707.2	3823.5	4412.7	5702.8	7312.7	8418.4	6976.2	5468.0	4588.2	4056.0	3963.2
70°	1829.0	1939.7	2407.0	3751.9	6017.0	7525.1	6036.0	4120.9	3099.0	2587.0	2502.0
72.5°	673.0	717.7	901.1	1605.4	3320.4	5558.6	4127.6	2301.9	1501.4	1195.1	1138.1
75°	329.8	337.6	365.6	538.9	1225.3	2616.1	1939.7	883.2	552.3	480.7	465.1
77.5°	210.2	213.5	226.9	257.1	393.5	824.0	588.1	348.8	270.6	259.4	259.4
80°	117.4	120.7	138.6	159.9	184.5	282.8	211.3	209.1	177.8	155.4	152.0
82.5°	55.9	61.5	88.3	87.2	97.3	142.0	124.1	112.9	114.0	86.1	81.6
85°	25.7	25.7	34.7	41.4	43.6	48.1	57.0	64.8	63.7	43.6	47.0
87.5°	12.3	12.3	12.3	11.2	10.1	8.9	12.3	20.1	29.1	20.1	19.0
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)