

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: P637518

Luminaire Tested: GWS-SA4D-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11021.3 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 162.1
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

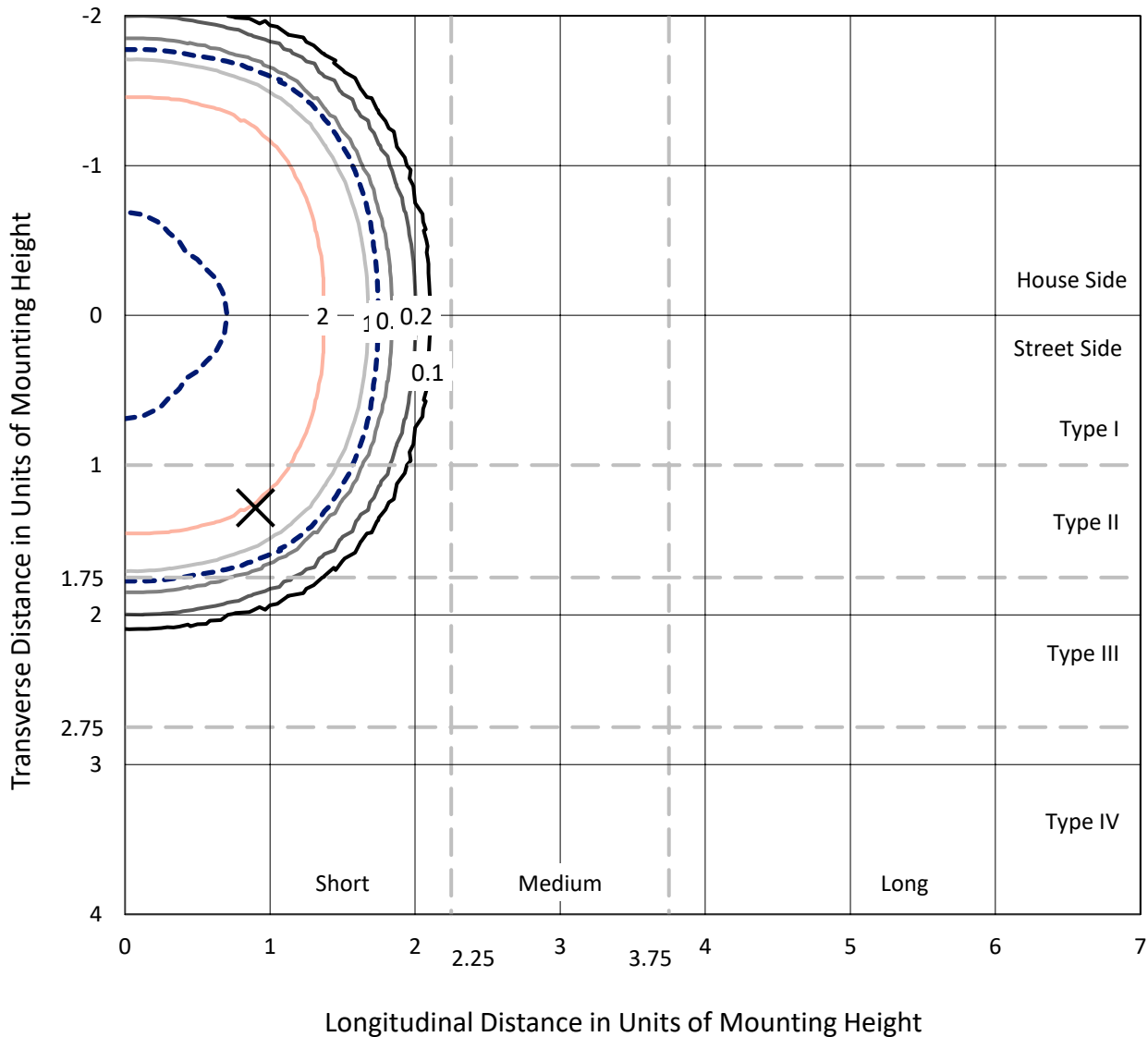


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Iso-Footcandle Lines of Horizontal Illumination

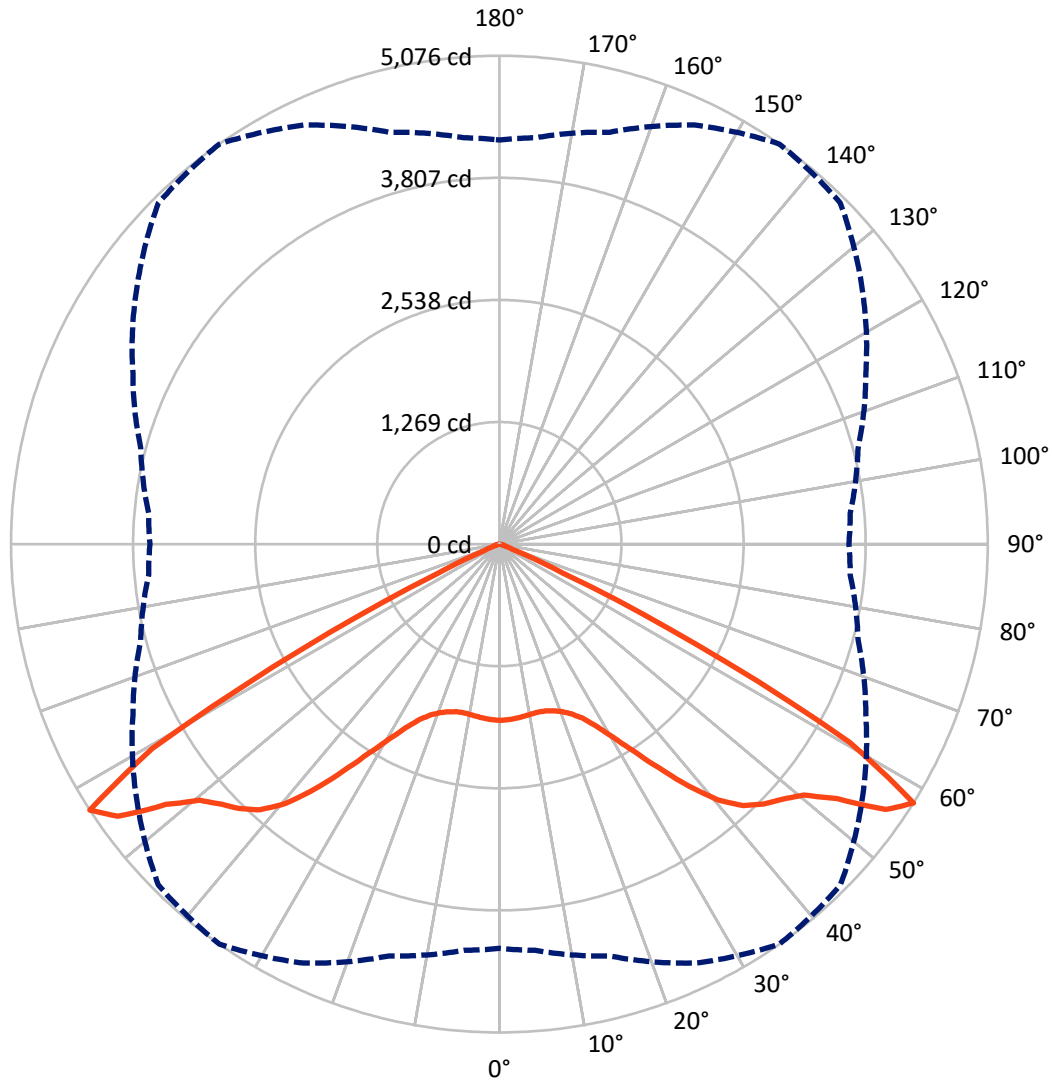
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5510.6	0.0	5510.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5510.6	0.0	5510.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	11021.3	0.0	11021.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	1.6
10°-20°	507.8	4.6
20°-30°	917.9	8.3
30°-40°	1712.5	15.5
40°-50°	2872.7	26.1
50°-60°	3793.7	34.4
60°-70°	1007.5	9.1
70°-80°	35.8	0.3
80°-90°	0.6	0.0
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°	11021.3	100.0
0°-180°	11021.3	100.0

Coefficient of Utilization



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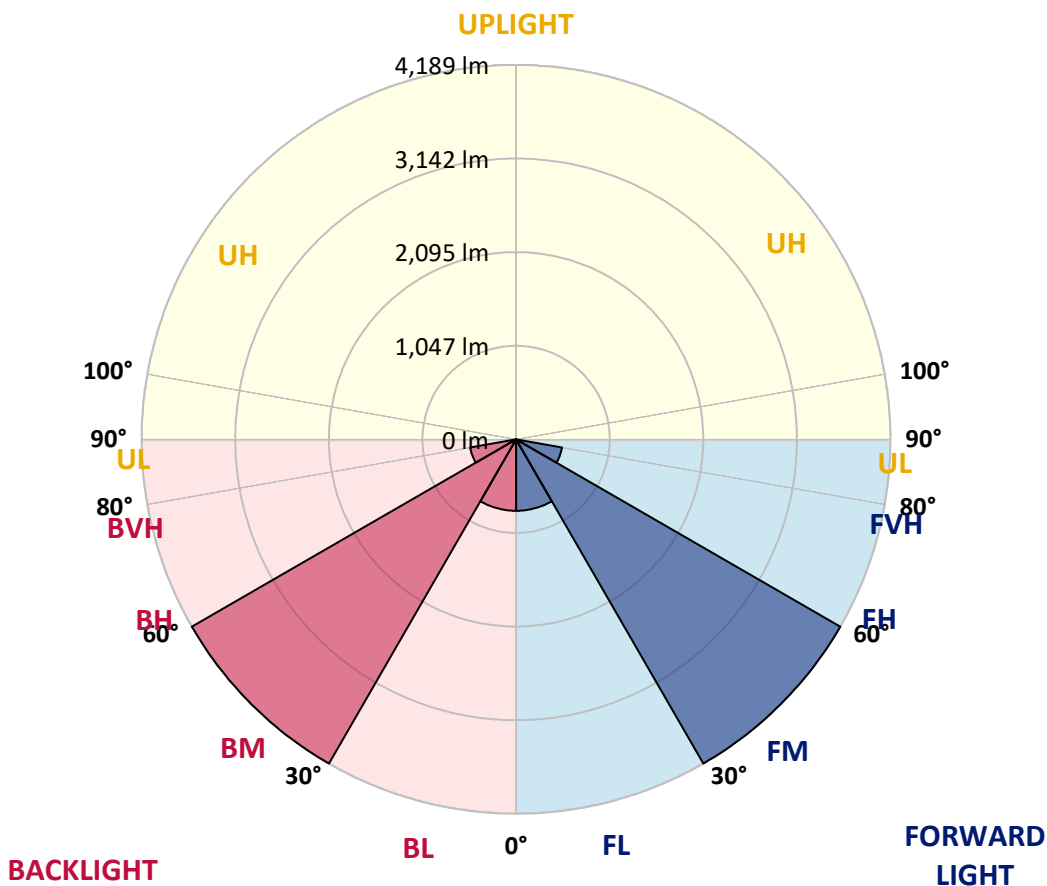
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	799.2	7.3			
FM (30°-60°)	4189.5	38.0			
FH (60°-80°)	521.6	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	799.2	7.3	B2/1000		
BM (30°-60°)	4189.5	38.0	B3/5000		
BH (60°-80°)	521.6	4.7	B2/1000		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1832.4	1832.4	1832.4	1832.4	1832.4	1832.4	1832.4	1832.4	1832.4	1832.4	1832.4
2.5°	1819.5	1818.2	1823.3	1827.2	1827.2	1836.3	1833.7	1831.1	1828.5	1824.6	1833.7
5°	1816.9	1815.6	1819.5	1822.0	1819.5	1827.2	1822.0	1816.9	1814.3	1809.1	1819.5
7.5°	1805.2	1806.5	1809.1	1811.7	1807.8	1814.3	1807.8	1800.1	1793.6	1788.4	1797.5
10°	1787.1	1788.4	1791.0	1796.2	1797.5	1806.5	1797.5	1783.3	1774.2	1766.4	1775.5
12.5°	1778.1	1779.4	1783.3	1789.7	1791.0	1802.6	1791.0	1770.3	1757.4	1748.3	1757.4
15°	1780.7	1783.3	1788.4	1796.2	1798.8	1810.4	1794.9	1767.7	1749.6	1738.0	1745.7
17.5°	1789.7	1792.3	1800.1	1813.0	1822.0	1833.7	1814.3	1779.4	1754.8	1738.0	1745.7
20°	1801.4	1805.2	1818.2	1838.9	1858.3	1878.9	1854.4	1806.5	1774.2	1753.5	1760.0
22.5°	1833.7	1837.6	1855.7	1882.8	1915.2	1941.0	1911.3	1850.5	1806.5	1779.4	1785.8
25°	1899.6	1903.5	1926.8	1961.7	2003.1	2036.7	1999.2	1922.9	1866.0	1835.0	1837.6
27.5°	2003.1	2007.0	2034.1	2083.3	2138.9	2186.7	2132.4	2043.2	1978.5	1942.3	1942.3
30°	2133.7	2138.9	2175.1	2241.0	2327.7	2391.0	2317.3	2208.7	2125.9	2076.8	2078.1
32.5°	2301.8	2296.6	2348.4	2438.9	2561.7	2645.8	2537.2	2405.3	2303.1	2234.6	2241.0
35°	2517.8	2516.5	2574.7	2697.5	2857.9	2958.7	2829.4	2658.7	2535.9	2466.0	2467.3
37.5°	2795.8	2794.5	2861.7	2994.9	3187.6	3271.7	3126.8	2953.5	2821.6	2754.4	2762.2
40°	3121.7	3113.9	3173.4	3301.4	3494.1	3548.4	3390.6	3251.0	3124.2	3081.6	3102.3
42.5°	3432.0	3415.2	3450.1	3566.5	3715.2	3723.0	3604.0	3508.3	3421.7	3388.0	3401.0
45°	3681.6	3668.7	3701.0	3768.2	3853.6	3814.8	3757.9	3728.1	3658.3	3622.1	3633.7
47.5°	3867.8	3867.8	3906.6	3948.0	3960.9	3889.8	3898.8	3898.8	3829.0	3772.1	3757.9
50°	4028.2	4039.8	4098.0	4140.7	4098.0	4007.5	4059.2	4048.8	3906.6	3792.8	3763.1
52.5°	4284.2	4295.8	4385.1	4443.3	4395.4	4306.2	4312.6	4183.3	3973.8	3839.4	3792.8
55°	4555.8	4584.2	4713.5	4868.7	4870.0	4778.2	4607.5	4378.6	4123.8	3977.7	3929.9
57.5°	4200.1	4238.9	4431.6	4805.3	5075.6	5012.2	4604.9	4202.7	3858.8	3659.6	3632.5
60°	2890.2	2957.4	3150.1	3660.9	4182.0	4206.6	3725.6	3274.3	2879.8	2634.1	2639.3
62.5°	1220.7	1289.3	1397.9	1818.2	2296.6	2326.4	2093.6	1770.3	1448.3	1271.2	1298.3
65°	287.1	306.5	338.8	503.0	729.3	763.0	703.5	548.3	404.8	342.7	349.1
67.5°	125.4	128.0	121.6	129.3	160.4	164.2	159.1	139.7	131.9	134.5	134.5
70°	87.9	89.2	84.1	80.2	76.3	71.1	73.7	81.5	87.9	93.1	91.8
72.5°	54.3	55.6	56.9	56.9	53.0	47.8	50.4	55.6	56.9	58.2	56.9
75°	27.2	28.4	31.0	32.3	31.0	29.7	29.7	31.0	31.0	29.7	29.7
77.5°	5.2	6.5	9.1	10.3	10.3	10.3	10.3	10.3	11.6	10.3	10.3
80°	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
82.5°	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
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)