

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: P637025

Luminaire Tested: GWS-SA4C-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637025
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-SA4C-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14807.4 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

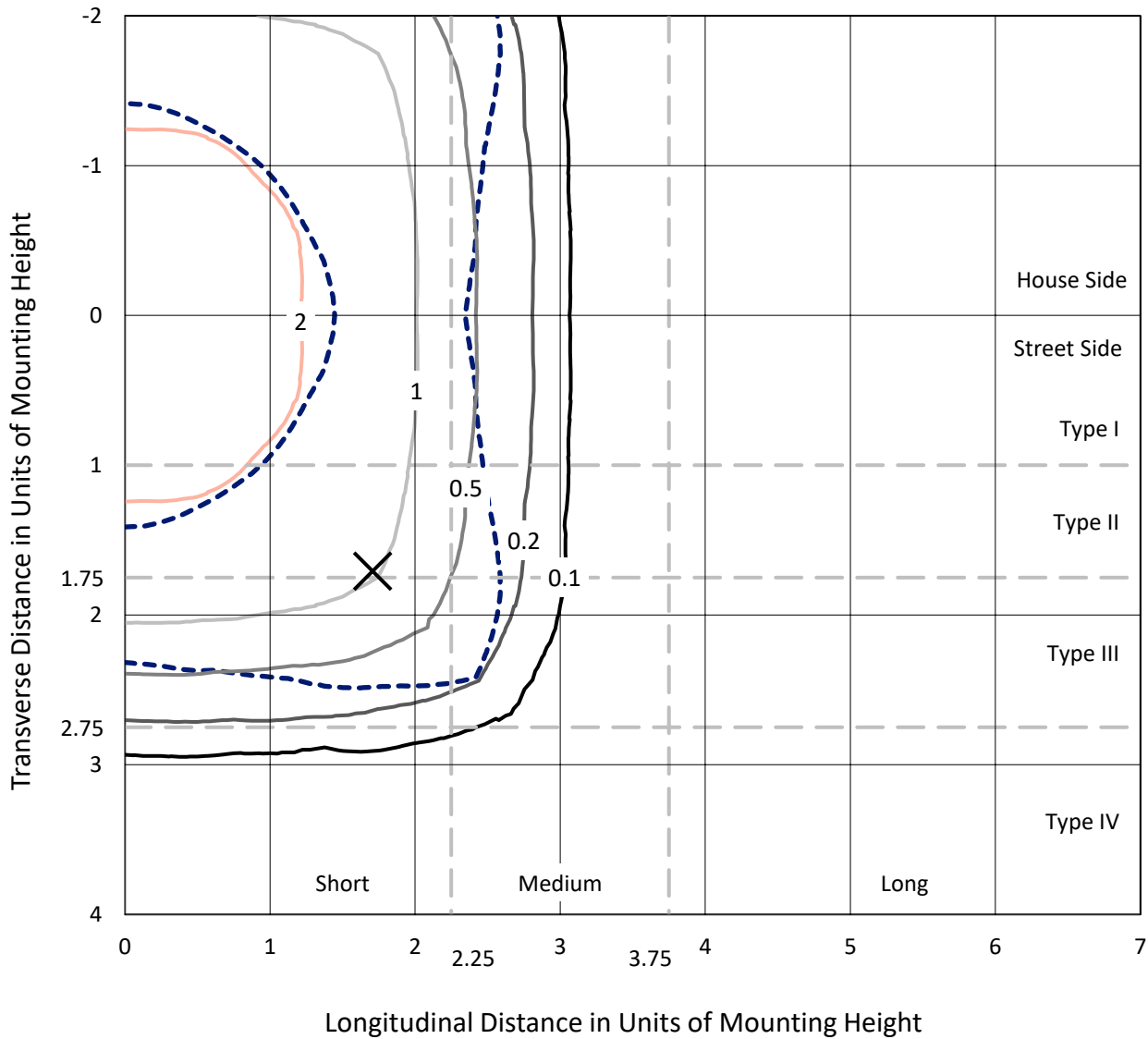
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

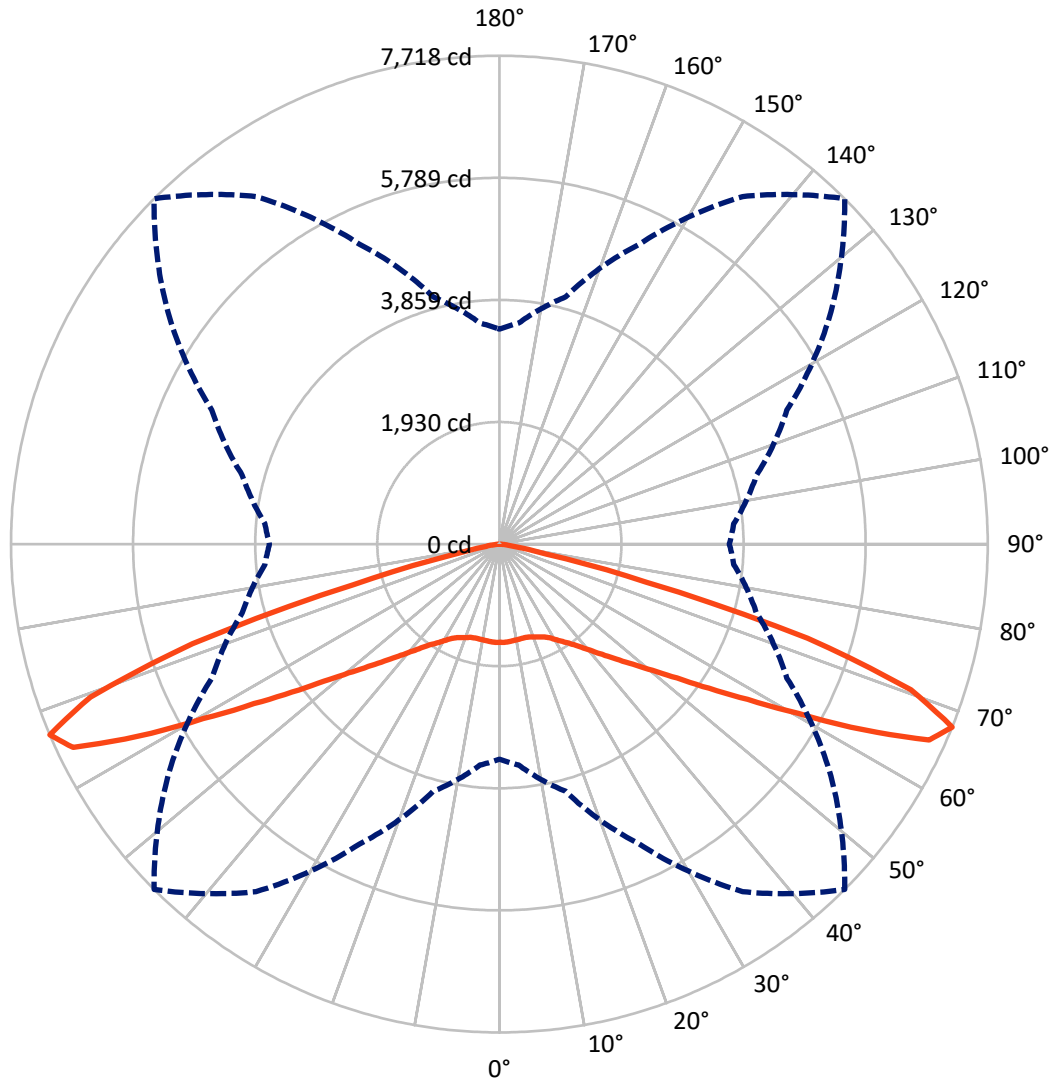
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 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	7403.7	0.0	7403.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7403.7	0.0	7403.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	14807.4	0.0	14807.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.8	1.0
10°-20°	431.1	2.9
20°-30°	743.5	5.0
30°-40°	1209.0	8.2
40°-50°	2035.7	13.7
50°-60°	3606.9	24.4
60°-70°	5155.9	34.8
70°-80°	1415.1	9.6
80°-90°	63.4	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°	14807.4	100.0
0°-180°	14807.4	100.0

Coefficient of Utilization



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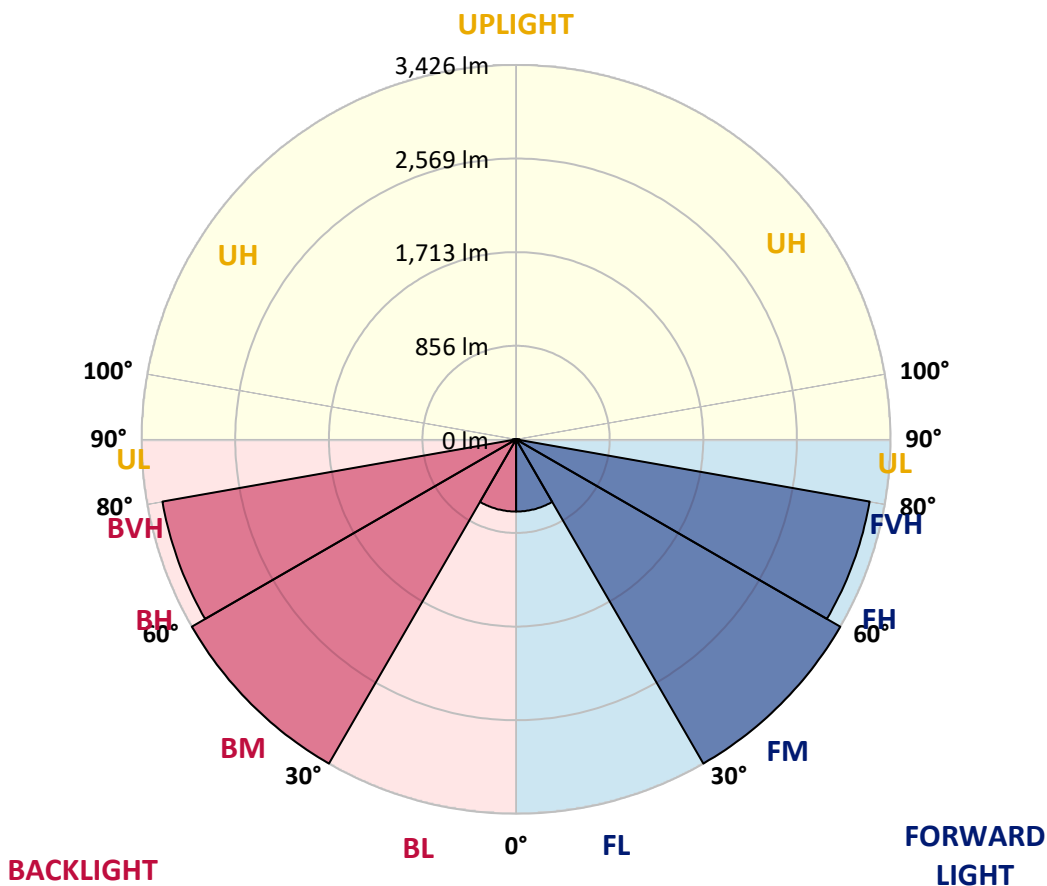
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	660.7	4.5			
FM (30°-60°)	3425.8	23.1			
FH (60°-80°)	3285.5	22.2			G2/5000
FVH (80°-90°)	31.7	0.2			G1/100
BL (0°-30°)	660.7	4.5	B2/1000		
BM (30°-60°)	3425.8	23.1	B3/5000		
BH (60°-80°)	3285.5	22.2	B4/5000		G2/5000
BVH (80°-90°)	31.7	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°	1550.8	1550.8	1550.8	1550.8	1550.8	1550.8	1550.8	1550.8	1550.8	1550.8	1550.8
2.5°	1540.6	1539.5	1544.7	1547.7	1546.7	1553.9	1552.9	1550.8	1550.8	1547.7	1555.9
5°	1540.6	1539.5	1543.6	1544.7	1542.6	1548.8	1546.7	1544.7	1544.7	1540.6	1547.7
7.5°	1532.4	1533.4	1536.5	1538.5	1536.5	1541.6	1538.5	1534.4	1533.4	1529.3	1536.5
10°	1517.0	1518.0	1521.1	1526.2	1527.2	1536.5	1531.3	1524.2	1521.1	1517.0	1524.2
12.5°	1507.8	1508.8	1511.9	1518.0	1520.1	1532.4	1527.2	1516.0	1510.8	1506.7	1513.9
15°	1505.7	1506.7	1510.8	1517.0	1520.1	1532.4	1527.2	1513.9	1506.7	1501.6	1507.8
17.5°	1505.7	1507.8	1513.9	1523.1	1529.3	1541.6	1535.4	1520.1	1509.8	1500.6	1506.7
20°	1506.7	1509.8	1519.0	1532.4	1547.7	1565.2	1557.0	1536.5	1522.1	1510.8	1514.9
22.5°	1516.0	1521.1	1532.4	1549.8	1572.3	1592.8	1585.7	1558.0	1537.5	1522.1	1526.2
25°	1547.7	1549.8	1564.1	1586.7	1608.2	1625.6	1618.5	1592.8	1567.2	1548.8	1553.9
27.5°	1604.1	1609.2	1621.5	1645.1	1663.6	1672.8	1671.8	1654.3	1628.7	1612.3	1616.4
30°	1671.8	1676.9	1693.3	1719.9	1738.4	1748.6	1745.6	1732.2	1708.7	1686.1	1690.2
32.5°	1750.7	1752.7	1772.2	1801.9	1821.4	1836.8	1826.5	1812.2	1782.5	1755.8	1757.9
35°	1851.1	1854.2	1874.7	1902.4	1917.8	1930.1	1928.0	1913.7	1881.9	1853.2	1860.4
37.5°	1977.2	1979.3	1997.7	2032.6	2044.9	2054.1	2056.1	2049.0	2016.2	1979.3	1986.4
40°	2134.0	2135.1	2155.6	2186.3	2199.6	2205.8	2206.8	2207.8	2174.0	2146.3	2144.3
42.5°	2316.5	2321.6	2350.3	2380.0	2386.2	2383.1	2393.4	2403.6	2370.8	2332.9	2336.0
45°	2534.8	2537.9	2576.8	2609.6	2598.4	2588.1	2607.6	2628.1	2598.4	2549.2	2534.8
47.5°	2793.1	2799.3	2841.3	2874.1	2855.6	2837.2	2869.0	2890.5	2842.3	2790.0	2776.7
50°	3085.2	3089.3	3148.8	3189.8	3168.3	3134.4	3174.4	3197.0	3132.4	3067.8	3039.1
52.5°	3430.7	3422.5	3501.4	3573.1	3559.8	3515.7	3548.5	3552.6	3456.3	3365.1	3336.4
55°	3851.9	3843.7	3922.6	4001.6	4034.4	4023.1	4007.7	3983.1	3840.6	3743.3	3716.6
57.5°	4342.9	4317.3	4428.0	4534.6	4606.3	4626.8	4561.2	4503.8	4391.1	4271.1	4240.4
60°	4799.0	4798.0	4973.3	5157.8	5354.6	5436.6	5270.5	5114.7	4861.5	4643.2	4599.1
62.5°	4927.1	4948.7	5235.7	5692.8	6178.7	6468.7	6031.1	5515.5	5026.6	4697.5	4639.1
65°	4611.4	4664.7	5072.7	5794.3	6753.7	7463.0	6474.9	5524.7	4843.1	4433.1	4371.6
67.5°	3398.9	3505.5	4045.6	5228.5	6704.5	7718.2	6396.0	5013.2	4206.6	3718.7	3633.6
70°	1676.9	1778.4	2206.8	3439.9	5516.5	6899.2	5533.9	3778.1	2841.3	2371.8	2293.9
72.5°	617.0	658.0	826.1	1471.9	3044.2	5096.3	3784.3	2110.5	1376.6	1095.7	1043.4
75°	302.4	309.5	335.2	494.0	1123.4	2398.5	1778.4	809.7	506.3	440.7	426.4
77.5°	192.7	195.8	208.1	235.7	360.8	755.4	539.1	319.8	248.0	237.8	237.8
80°	107.6	110.7	127.1	146.6	169.1	259.3	193.7	191.7	163.0	142.5	139.4
82.5°	51.2	56.4	81.0	79.9	89.2	130.2	113.8	103.5	104.5	78.9	74.8
85°	23.6	23.6	31.8	37.9	40.0	44.1	52.3	59.4	58.4	40.0	43.0
87.5°	11.3	11.3	11.3	10.2	9.2	8.2	11.3	18.4	26.6	18.4	17.4
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)