

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: P636695

Luminaire Tested: GWS-SA4B-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636695
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-SA4B-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14784 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

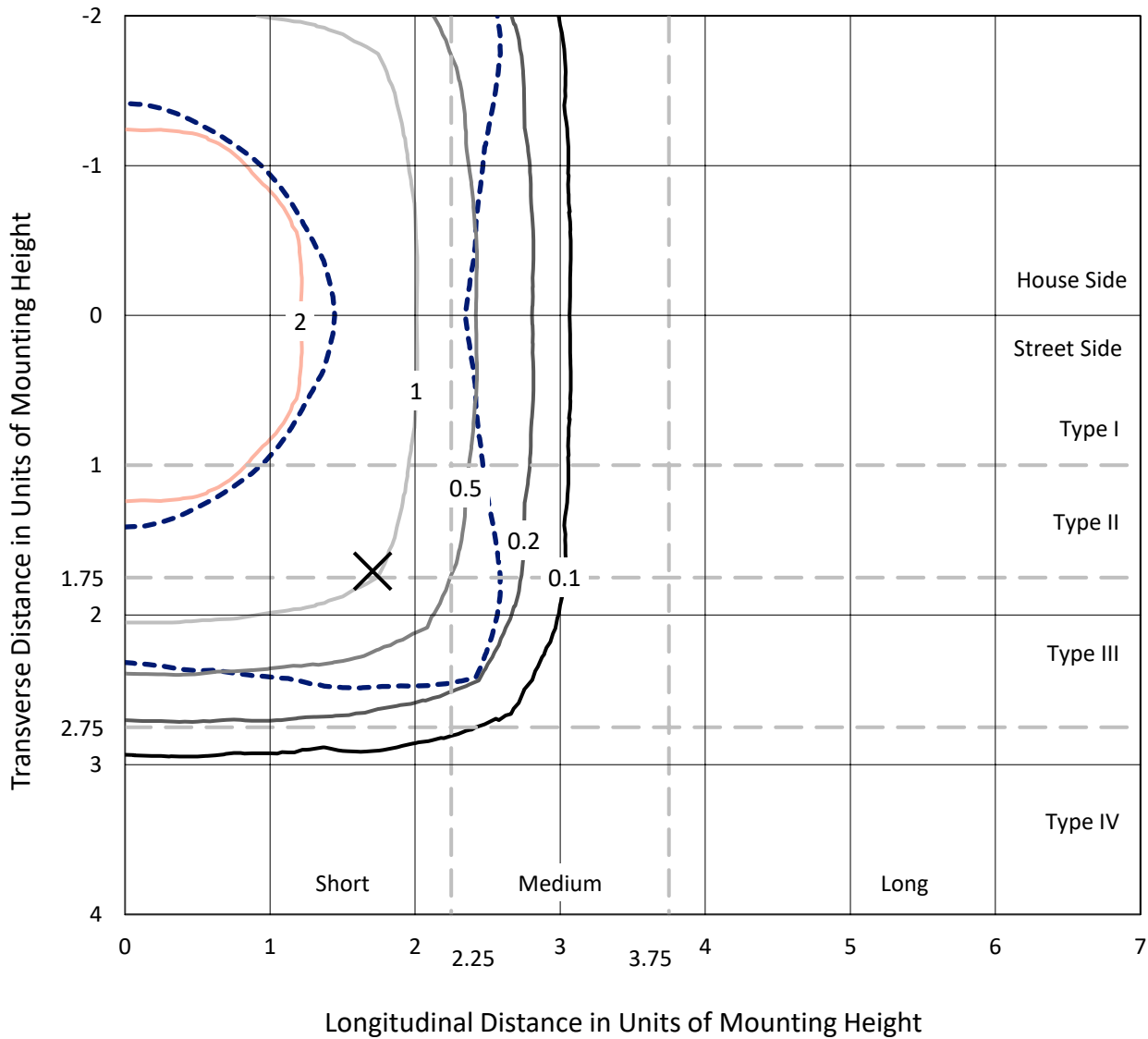
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

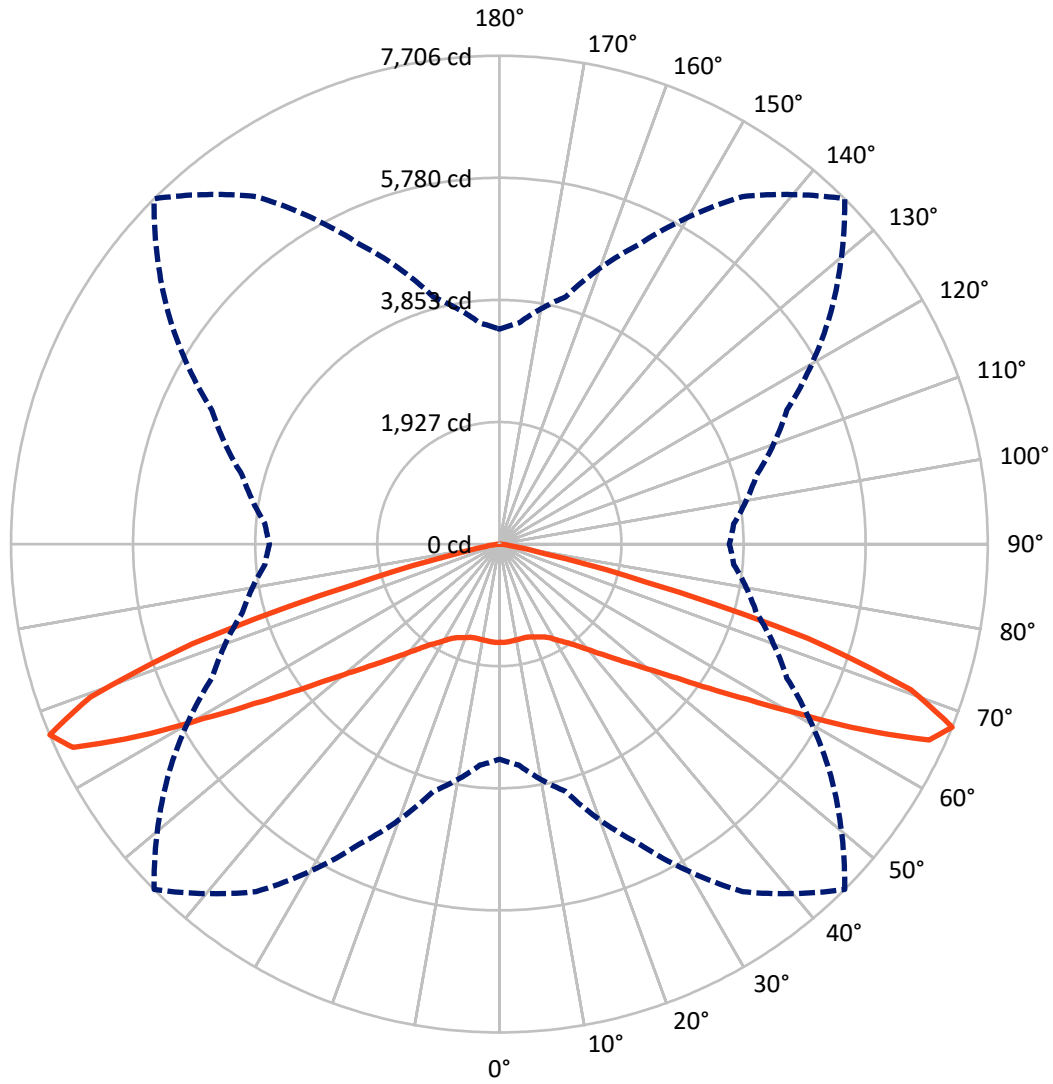
✕ Max cd
 - - - 1/2 Max cd



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	7392.0	0.0	7392.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7392.0	0.0	7392.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14784.0	0.0	14784.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	1.0
10°-20°	430.4	2.9
20°-30°	742.4	5.0
30°-40°	1207.1	8.2
40°-50°	2032.5	13.7
50°-60°	3601.2	24.4
60°-70°	5147.7	34.8
70°-80°	1412.8	9.6
80°-90°	63.3	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°	14784.0	100.0
0°-180°	14784.0	100.0

Coefficient of Utilization



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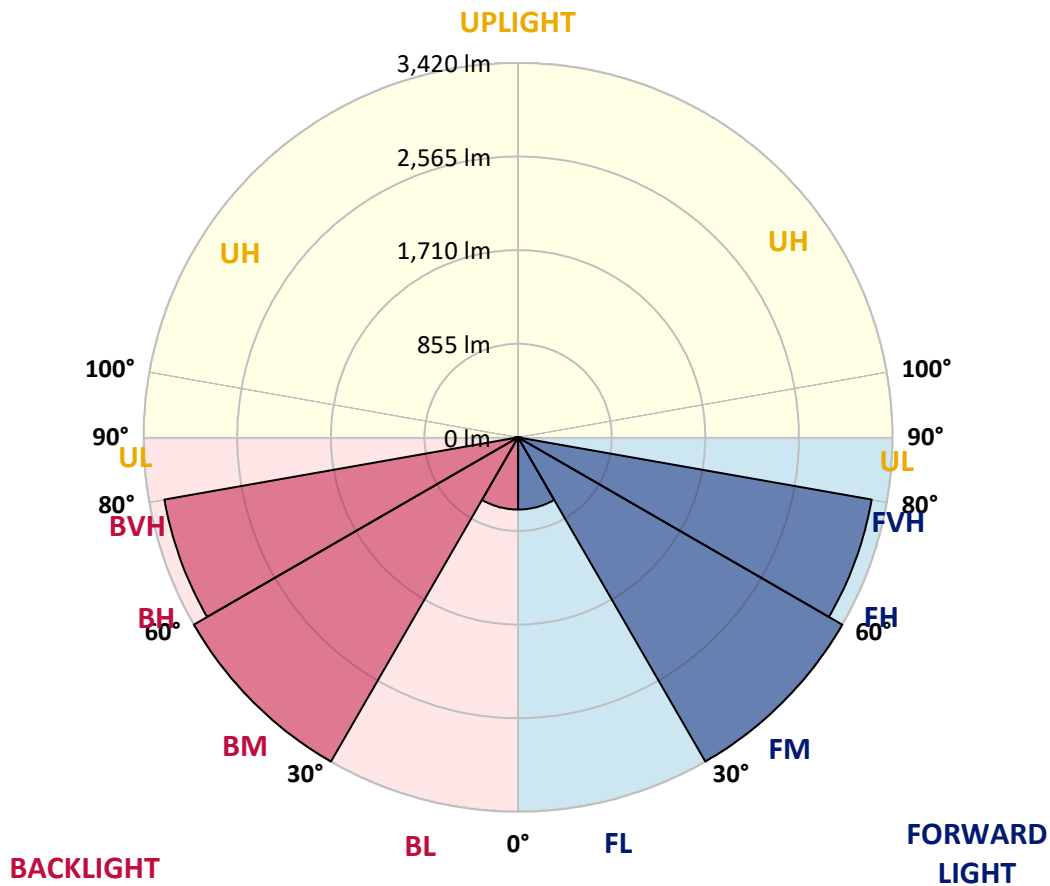
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	659.7	4.5			
FM (30°-60°)	3420.4	23.1			
FH (60°-80°)	3280.3	22.2			G2/5000
FVH (80°-90°)	31.6	0.2			G1/100
BL (0°-30°)	659.7	4.5	B2/1000		
BM (30°-60°)	3420.4	23.1	B3/5000		
BH (60°-80°)	3280.3	22.2	B4/5000		G2/5000
BVH (80°-90°)	31.6	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°	1548.4	1548.4	1548.4	1548.4	1548.4	1548.4	1548.4	1548.4	1548.4	1548.4	1548.4
2.5°	1538.1	1537.1	1542.2	1545.3	1544.3	1551.4	1550.4	1548.4	1548.4	1545.3	1553.5
5°	1538.1	1537.1	1541.2	1542.2	1540.2	1546.3	1544.3	1542.2	1542.2	1538.1	1545.3
7.5°	1529.9	1531.0	1534.0	1536.1	1534.0	1539.2	1536.1	1532.0	1531.0	1526.9	1534.0
10°	1514.6	1515.6	1518.7	1523.8	1524.8	1534.0	1528.9	1521.8	1518.7	1514.6	1521.8
12.5°	1505.4	1506.4	1509.5	1515.6	1517.7	1529.9	1524.8	1513.6	1508.5	1504.4	1511.5
15°	1503.3	1504.4	1508.5	1514.6	1517.7	1529.9	1524.8	1511.5	1504.4	1499.2	1505.4
17.5°	1503.3	1505.4	1511.5	1520.7	1526.9	1539.2	1533.0	1517.7	1507.4	1498.2	1504.4
20°	1504.4	1507.4	1516.6	1529.9	1545.3	1562.7	1554.5	1534.0	1519.7	1508.5	1512.5
22.5°	1513.6	1518.7	1529.9	1547.3	1569.9	1590.3	1583.2	1555.5	1535.1	1519.7	1523.8
25°	1545.3	1547.3	1561.7	1584.2	1605.7	1623.1	1615.9	1590.3	1564.7	1546.3	1551.4
27.5°	1601.6	1606.7	1619.0	1642.5	1660.9	1670.1	1669.1	1651.7	1626.1	1609.8	1613.9
30°	1669.1	1674.2	1690.6	1717.2	1735.6	1745.9	1742.8	1729.5	1706.0	1683.4	1687.5
32.5°	1747.9	1750.0	1769.4	1799.1	1818.5	1833.9	1823.7	1809.3	1779.6	1753.0	1755.1
35°	1848.2	1851.3	1871.7	1899.4	1914.7	1927.0	1925.0	1910.6	1878.9	1850.3	1857.4
37.5°	1974.1	1976.1	1994.6	2029.3	2041.6	2050.8	2052.9	2045.7	2013.0	1976.1	1983.3
40°	2130.7	2131.7	2152.2	2182.9	2196.2	2202.3	2203.3	2204.3	2170.6	2142.9	2140.9
42.5°	2312.8	2317.9	2346.6	2376.3	2382.4	2379.3	2389.6	2399.8	2367.1	2329.2	2332.3
45°	2530.8	2533.9	2572.8	2605.5	2594.3	2584.0	2603.5	2623.9	2594.3	2545.1	2530.8
47.5°	2788.7	2794.8	2836.8	2869.5	2851.1	2832.7	2864.4	2885.9	2837.8	2785.6	2772.3
50°	3080.4	3084.4	3143.8	3184.7	3163.2	3129.5	3169.4	3191.9	3127.4	3063.0	3034.3
52.5°	3425.2	3417.0	3495.8	3567.5	3554.2	3510.2	3542.9	3547.0	3450.8	3359.7	3331.1
55°	3845.8	3837.6	3916.4	3995.2	4028.0	4016.7	4001.4	3976.8	3834.6	3737.4	3710.8
57.5°	4336.0	4310.4	4421.0	4527.4	4599.0	4619.5	4554.0	4496.7	4384.1	4264.4	4233.7
60°	4791.4	4790.4	4965.4	5149.6	5346.1	5428.0	5262.2	5106.6	4853.9	4635.9	4591.9
62.5°	4919.4	4940.8	5227.4	5683.8	6168.9	6458.5	6021.5	5506.8	5018.6	4690.1	4631.8
65°	4604.2	4657.4	5064.7	5785.1	6743.0	7451.2	6464.6	5516.0	4835.4	4426.1	4364.7
67.5°	3393.5	3499.9	4039.3	5220.2	6693.9	7706.0	6385.8	5005.3	4199.9	3712.8	3627.9
70°	1674.2	1775.6	2203.3	3434.4	5507.8	6888.3	5525.2	3772.2	2836.8	2368.1	2290.3
72.5°	616.1	657.0	824.8	1469.6	3039.4	5088.2	3778.3	2107.1	1374.4	1094.0	1041.8
75°	301.9	309.1	334.6	493.3	1121.6	2394.7	1775.6	808.5	505.5	440.1	425.7
77.5°	192.4	195.5	207.7	235.4	360.2	754.2	538.3	319.3	247.7	237.4	237.4
80°	107.5	110.5	126.9	146.3	168.9	258.9	193.4	191.4	162.7	142.2	139.2
82.5°	51.2	56.3	80.8	79.8	89.0	130.0	113.6	103.4	104.4	78.8	74.7
85°	23.5	23.5	31.7	37.9	39.9	44.0	52.2	59.4	58.3	39.9	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)