

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: P635711

Luminaire Tested: GWS-SA3E-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21989.4 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

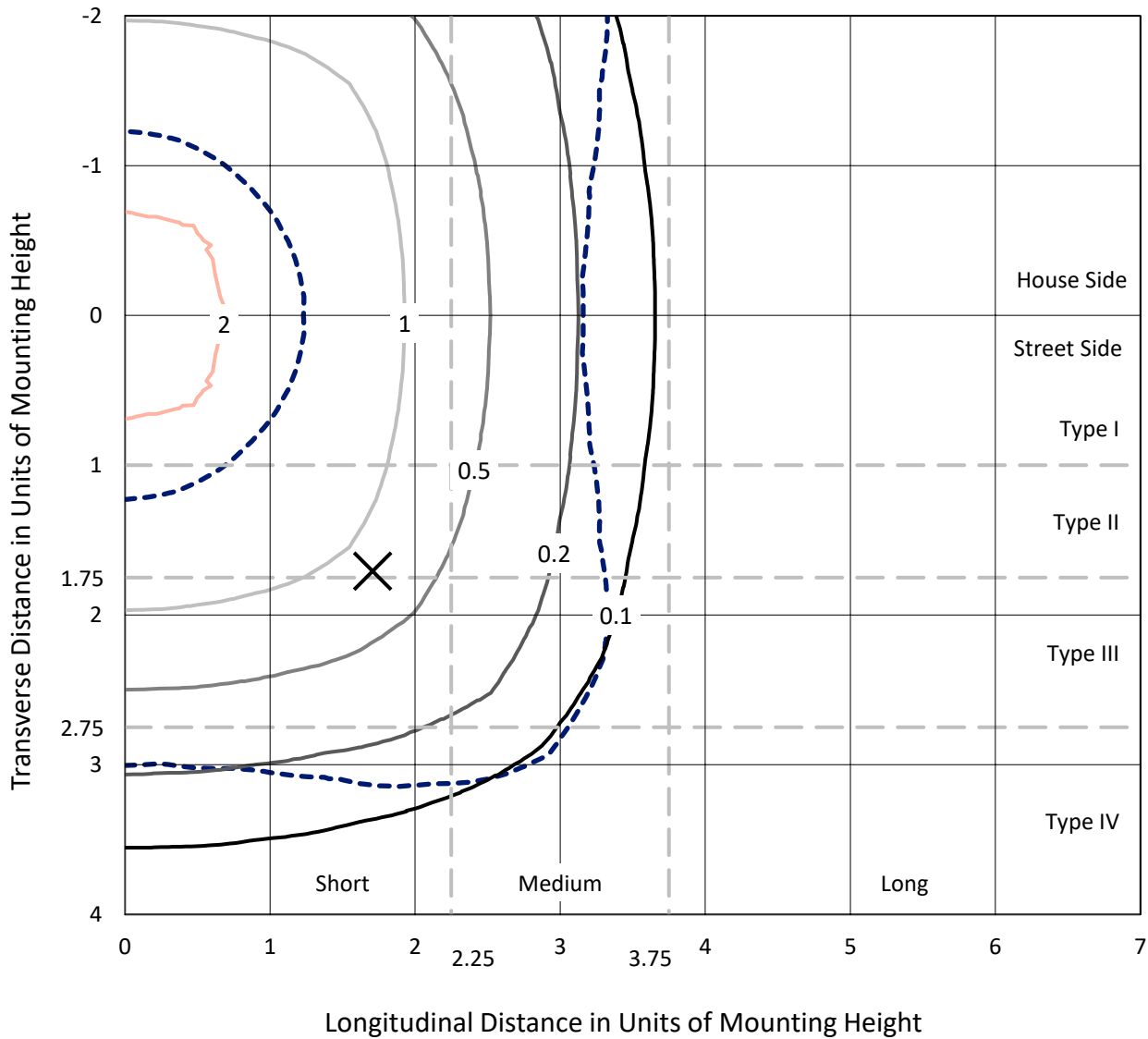
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

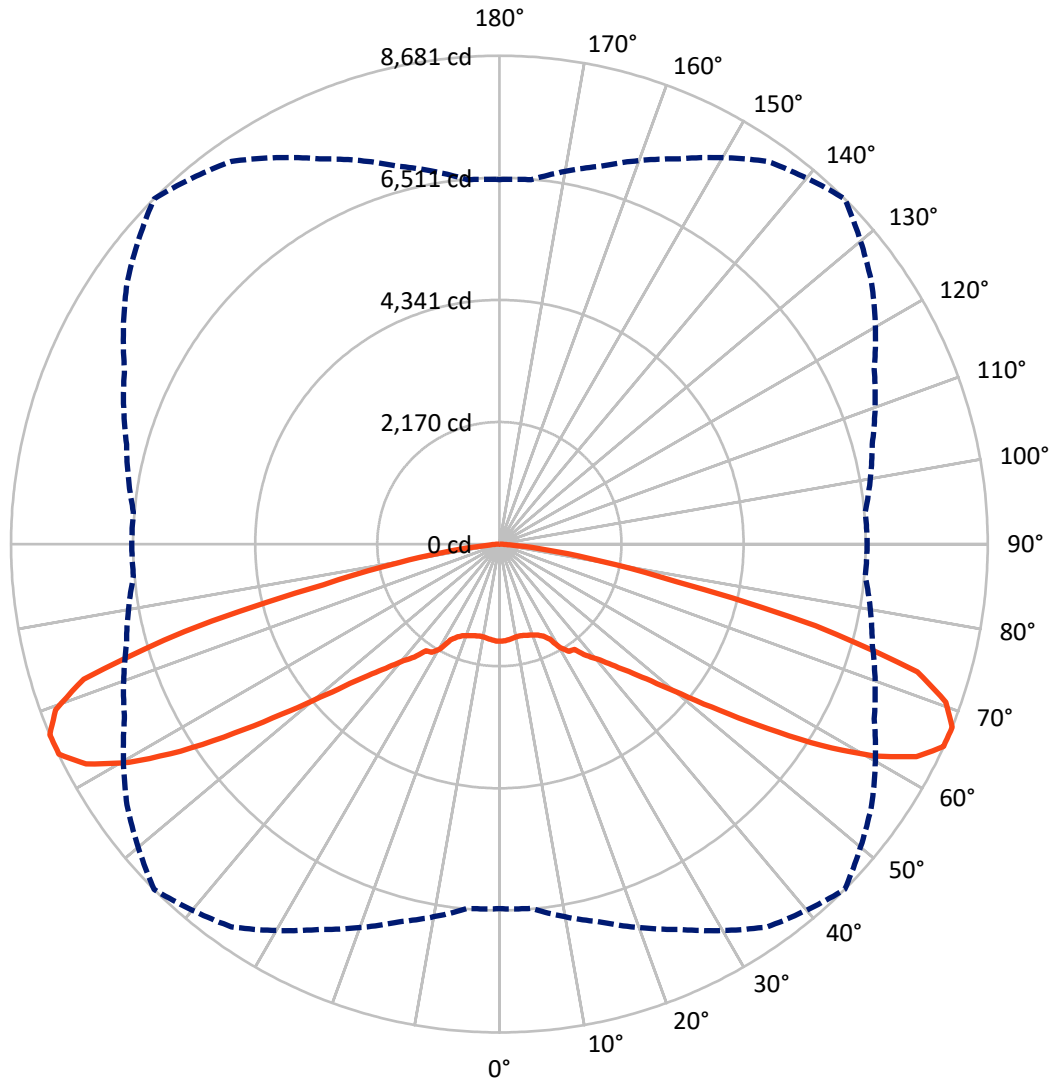
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	10994.7	0.0	10994.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10994.7	0.0	10994.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	21989.4	0.0	21989.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.9	0.7
10°-20°	480.5	2.2
20°-30°	861.9	3.9
30°-40°	1456.0	6.6
40°-50°	2558.2	11.6
50°-60°	4934.9	22.4
60°-70°	7159.9	32.6
70°-80°	4096.6	18.6
80°-90°	279.6	1.3
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°	21989.4	100.0
0°-180°	21989.4	100.0

Coefficient of Utilization



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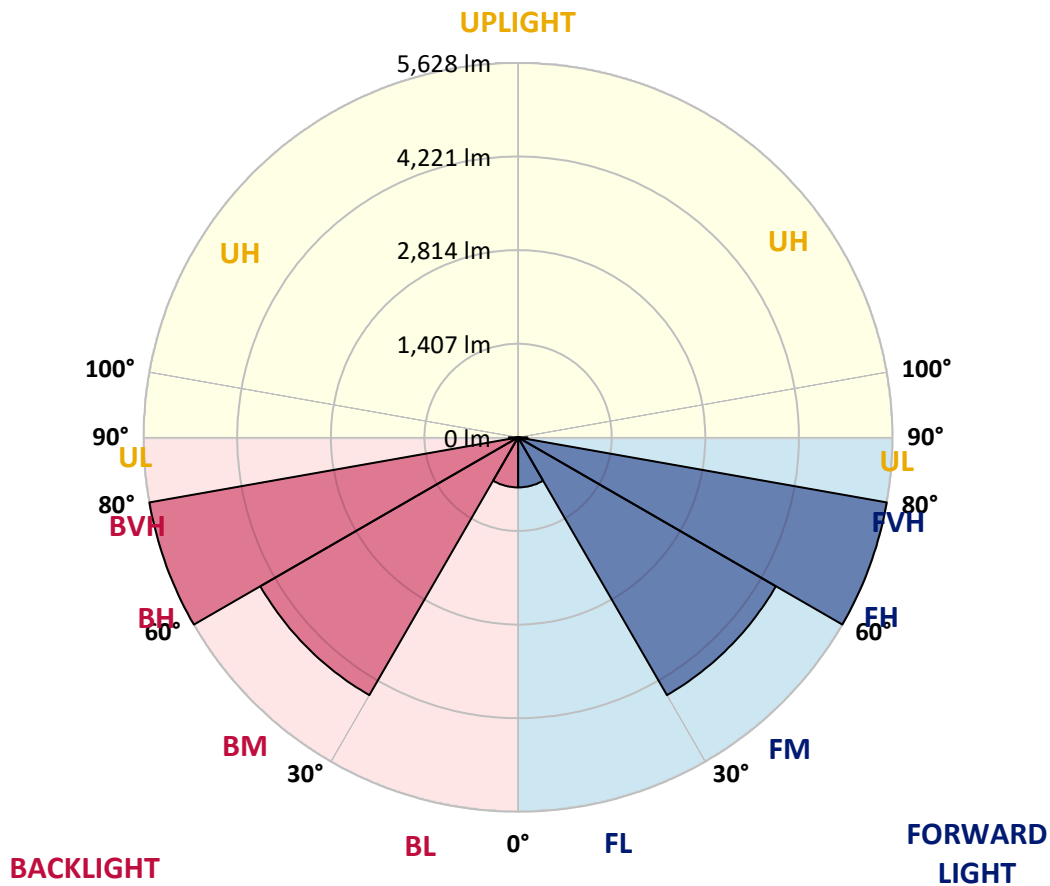
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	752.2	3.4			
FM (30°-60°)	4474.6	20.3			
FH (60°-80°)	5628.2	25.6			G3/7500
FVH (80°-90°)	139.8	0.6			G2/225
BL (0°-30°)	752.2	3.4	B2/1000		
BM (30°-60°)	4474.6	20.3	B3/5000		
BH (60°-80°)	5628.2	25.6	B5		G3/7500
BVH (80°-90°)	139.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1724.4	1724.4	1724.4	1724.4	1724.4	1724.4	1724.4	1724.4	1724.4	1724.4	1724.4
2.5°	1710.4	1712.0	1715.1	1715.1	1718.2	1722.9	1724.4	1721.3	1722.9	1715.1	1722.9
5°	1705.8	1707.3	1708.9	1705.8	1705.8	1707.3	1707.3	1704.2	1705.8	1698.0	1705.8
7.5°	1694.9	1696.4	1696.4	1691.8	1687.1	1690.2	1690.2	1687.1	1688.7	1680.9	1690.2
10°	1685.5	1685.5	1684.0	1674.7	1670.0	1674.7	1676.2	1677.8	1684.0	1677.8	1688.7
12.5°	1691.8	1691.8	1687.1	1674.7	1666.9	1670.0	1673.1	1676.2	1687.1	1685.5	1698.0
15°	1708.9	1710.4	1698.0	1684.0	1679.3	1684.0	1680.9	1679.3	1693.3	1698.0	1712.0
17.5°	1722.9	1722.9	1707.3	1693.3	1694.9	1702.6	1696.4	1688.7	1702.6	1712.0	1727.5
20°	1735.3	1733.7	1716.6	1707.3	1713.5	1724.4	1719.8	1708.9	1718.2	1729.1	1743.1
22.5°	1766.4	1764.8	1746.2	1741.5	1747.7	1758.6	1754.0	1744.6	1755.5	1771.1	1788.2
25°	1855.0	1851.9	1823.9	1808.4	1805.3	1813.0	1811.5	1808.4	1825.5	1844.1	1864.4
27.5°	1973.2	1971.7	1951.4	1935.9	1915.7	1909.5	1914.1	1928.1	1953.0	1967.0	1984.1
30°	2032.3	2032.3	2029.2	2054.1	2097.6	2139.6	2106.9	2054.1	2032.3	2026.1	2043.2
32.5°	2110.0	2117.8	2106.9	2134.9	2208.0	2270.2	2208.0	2122.5	2106.9	2106.9	2125.6
35°	2288.9	2292.0	2274.9	2270.2	2293.5	2301.3	2271.8	2240.7	2257.8	2260.9	2284.2
37.5°	2431.9	2431.9	2424.1	2436.6	2484.8	2514.3	2466.1	2410.1	2414.8	2417.9	2447.5
40°	2652.7	2658.9	2640.3	2638.7	2657.4	2683.8	2632.5	2596.7	2621.6	2629.4	2674.5
42.5°	2927.9	2927.9	2899.9	2892.2	2904.6	2932.6	2884.4	2861.1	2893.7	2899.9	2926.4
45°	3256.0	3263.8	3226.5	3212.5	3218.7	3228.0	3193.8	3182.9	3214.0	3228.0	3274.7
47.5°	3655.6	3663.4	3630.8	3629.2	3623.0	3629.2	3596.6	3590.3	3615.2	3604.3	3654.1
50°	4148.6	4162.5	4134.6	4173.4	4168.8	4187.4	4142.3	4109.7	4109.7	4080.1	4108.1
52.5°	4700.6	4728.5	4742.5	4807.8	4857.6	4904.3	4829.6	4778.3	4703.7	4643.0	4719.2
55°	5302.3	5294.5	5383.2	5526.2	5672.4	5782.8	5636.6	5474.9	5353.6	5227.7	5257.2
57.5°	5829.4	5855.9	5972.5	6233.7	6522.9	6756.2	6493.4	6182.4	5907.2	5726.8	5751.7
60°	6267.9	6289.7	6445.2	6821.5	7326.8	7648.7	7232.0	6718.9	6319.2	6070.4	6096.9
62.5°	6672.2	6692.4	6849.5	7264.6	7902.2	8322.0	7784.0	7082.7	6638.0	6387.7	6403.2
65°	6905.4	6917.9	7132.5	7569.4	8241.1	8675.0	8068.5	7345.5	6908.6	6653.5	6662.9
67.5°	6480.9	6501.2	6953.6	7557.0	8306.4	8681.2	8081.0	7353.3	6861.9	6529.2	6536.9
70°	5112.6	5095.5	5635.1	6672.2	7931.7	8419.9	7721.8	6801.3	6042.5	5577.5	5569.8
72.5°	3898.2	3902.9	4203.0	4913.6	6467.0	7770.0	6813.7	5476.5	4658.6	4305.6	4291.6
75°	2826.9	2870.4	3114.5	3635.4	4523.3	5807.7	5129.7	4058.4	3511.0	3299.6	3268.5
77.5°	1273.5	1329.5	1670.0	2282.6	3024.3	3209.4	3221.8	2755.3	2078.9	1727.5	1673.1
80°	371.6	398.1	511.6	875.4	1408.8	1820.8	1446.1	1216.0	757.3	594.0	566.0
82.5°	157.0	178.8	219.2	242.6	408.9	844.3	525.6	334.3	311.0	251.9	230.1
85°	66.9	71.5	91.7	98.0	132.2	180.4	166.4	150.8	144.6	112.0	102.6
87.5°	28.0	28.0	28.0	24.9	23.3	24.9	34.2	43.5	57.5	45.1	42.0
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)