

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: P634718

Luminaire Tested: GWS-SA3C-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14380.2 lumens
Efficiency: N/A
Efficacy: 154.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

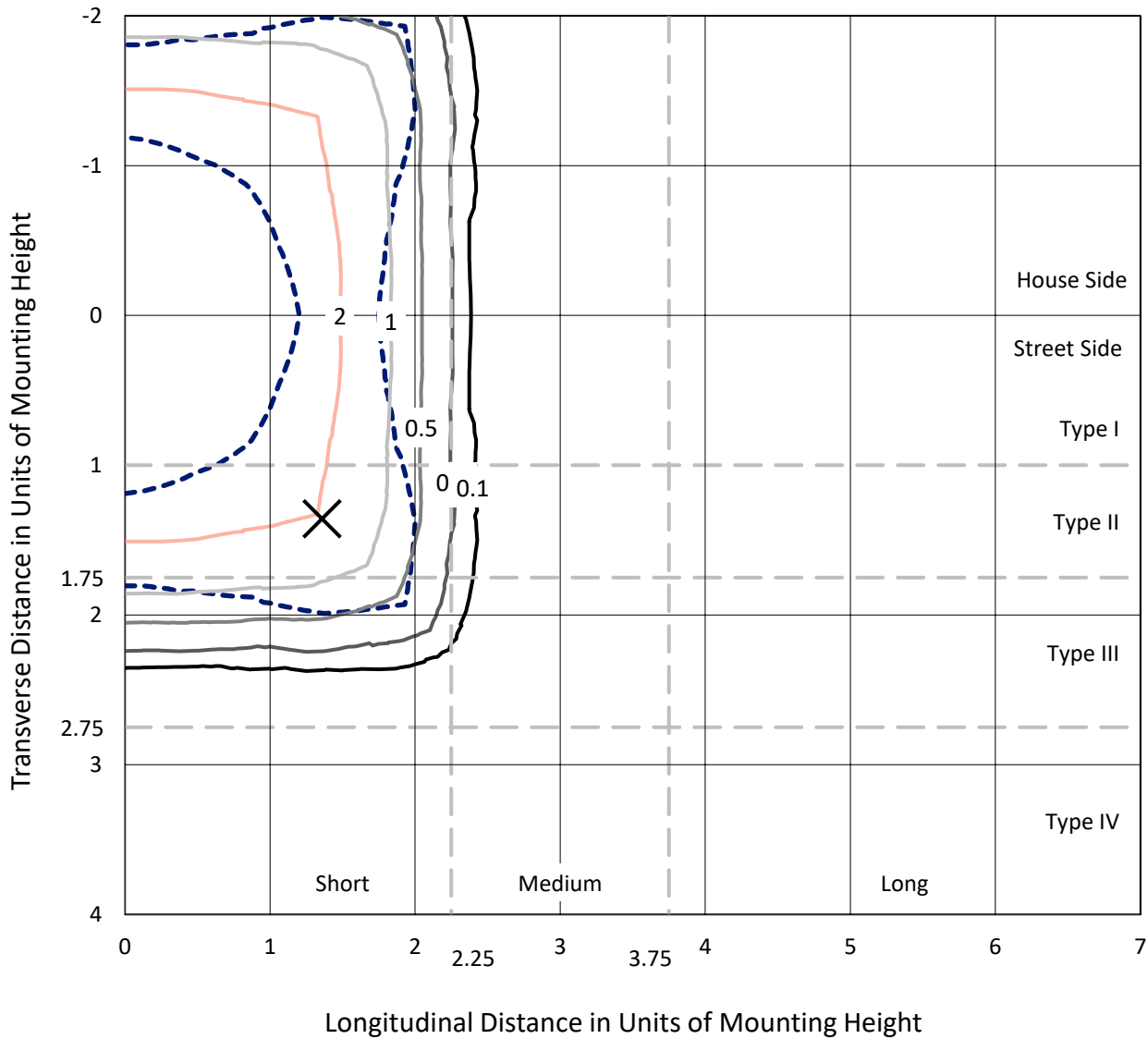
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

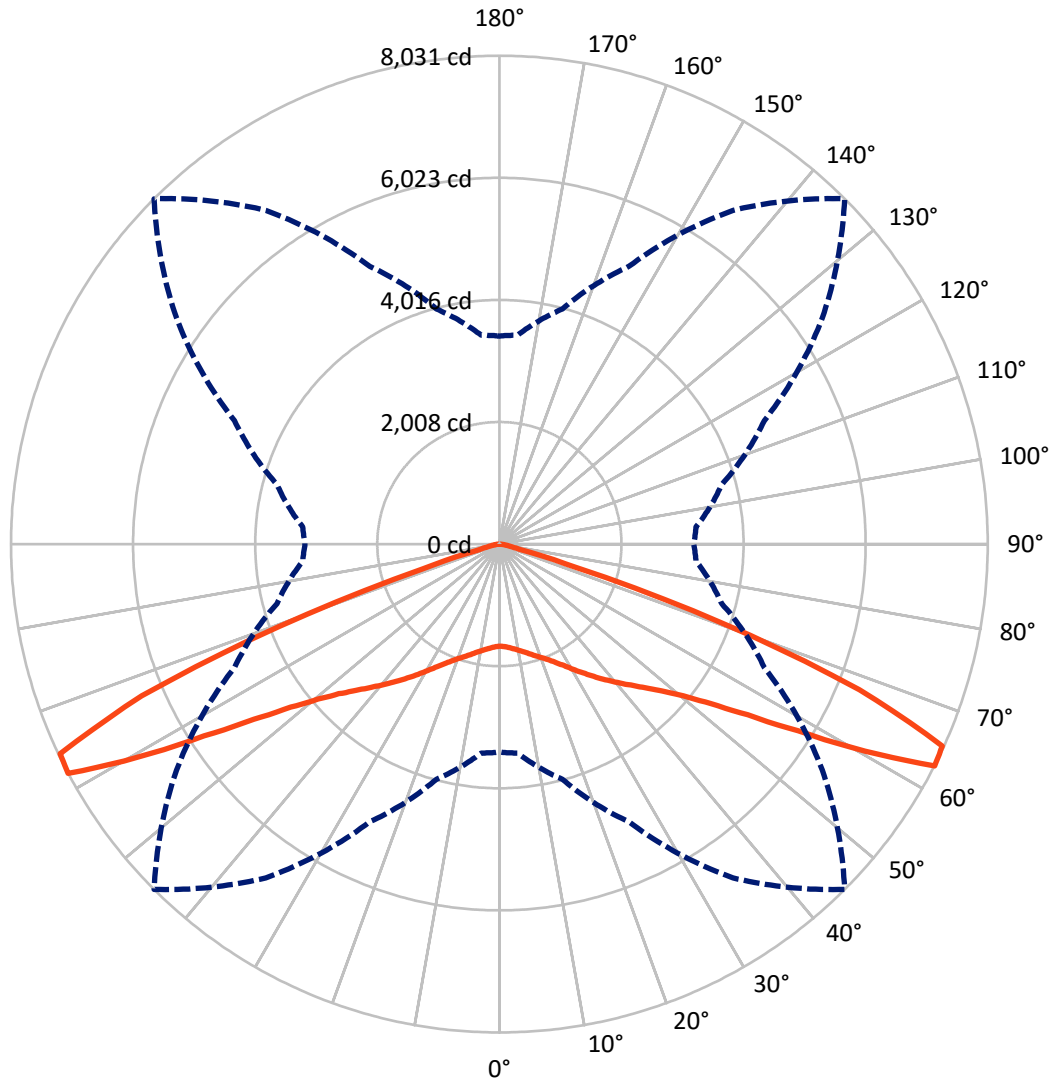
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7190.1	0.0	7190.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7190.1	0.0	7190.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14380.2	0.0	14380.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.6	1.1
10°-20°	530.8	3.7
20°-30°	1004.2	7.0
30°-40°	1690.3	11.8
40°-50°	2700.5	18.8
50°-60°	4353.1	30.3
60°-70°	3551.7	24.7
70°-80°	344.9	2.4
80°-90°	40.1	0.3
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°	14380.2	100.0
0°-180°	14380.2	100.0

Coefficient of Utilization



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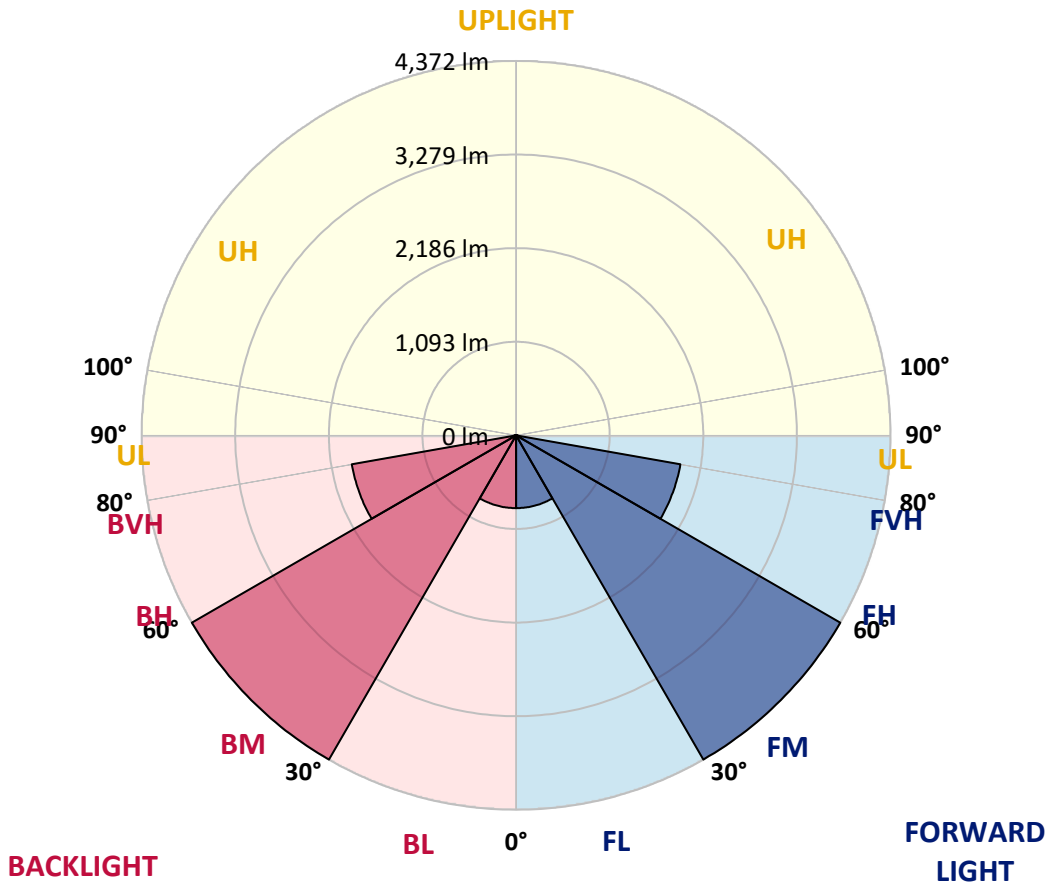
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	849.8	5.9			
FM (30°-60°)	4371.9	30.4			
FH (60°-80°)	1948.3	13.5			G2/5000
FVH (80°-90°)	20.1	0.1			G1/100
BL (0°-30°)	849.8	5.9	B2/1000		
BM (30°-60°)	4371.9	30.4	B3/5000		
BH (60°-80°)	1948.3	13.5	B3/2500		G2/5000
BVH (80°-90°)	20.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6
2.5°	1675.7	1675.7	1679.6	1682.6	1680.6	1688.5	1687.5	1685.5	1684.5	1681.6	1690.5
5°	1698.4	1698.4	1701.3	1704.3	1699.3	1709.2	1705.3	1703.3	1702.3	1698.4	1706.2
7.5°	1724.0	1727.0	1727.9	1732.9	1729.9	1740.8	1737.8	1733.9	1731.9	1727.0	1733.9
10°	1752.6	1754.6	1755.6	1764.4	1765.4	1778.2	1775.3	1770.4	1766.4	1761.5	1771.3
12.5°	1791.1	1792.1	1795.0	1805.9	1808.8	1818.7	1817.7	1810.8	1805.9	1799.0	1809.8
15°	1840.4	1841.4	1846.3	1857.1	1862.1	1873.9	1870.0	1859.1	1852.2	1844.3	1853.2
17.5°	1891.7	1895.6	1900.5	1911.4	1918.3	1932.1	1927.2	1915.3	1909.4	1901.5	1907.4
20°	1957.7	1958.7	1961.7	1973.5	1978.5	1994.2	1995.2	1983.4	1980.4	1972.5	1981.4
22.5°	2030.7	2031.7	2034.7	2047.5	2056.4	2066.2	2072.2	2065.2	2060.3	2050.5	2061.3
25°	2111.6	2121.5	2124.4	2140.2	2150.1	2156.0	2162.9	2159.9	2153.0	2141.2	2146.1
27.5°	2225.0	2227.0	2231.9	2249.7	2255.6	2261.5	2268.4	2269.4	2259.5	2245.7	2252.6
30°	2354.2	2353.2	2364.1	2377.9	2382.8	2387.8	2397.6	2403.5	2390.7	2375.9	2382.8
32.5°	2486.4	2498.2	2512.0	2524.8	2521.9	2523.9	2539.6	2550.5	2532.7	2506.1	2512.0
35°	2635.3	2643.2	2661.0	2679.7	2675.7	2672.8	2682.7	2693.5	2668.8	2634.3	2643.2
37.5°	2788.2	2800.0	2826.6	2849.3	2843.4	2829.6	2840.5	2852.3	2828.6	2789.2	2785.2
40°	2958.8	2977.5	3016.0	3034.8	3019.0	2992.3	3011.1	3039.7	3016.0	2970.6	2959.8
42.5°	3159.0	3181.7	3220.2	3248.8	3214.3	3170.9	3202.4	3243.8	3237.9	3177.8	3159.0
45°	3406.6	3421.4	3468.7	3482.5	3431.2	3371.1	3428.3	3491.4	3476.6	3411.5	3386.8
47.5°	3675.8	3698.5	3739.9	3765.6	3682.7	3607.8	3687.7	3772.5	3756.7	3695.6	3666.9
50°	4019.0	4048.6	4102.9	4124.6	4010.2	3924.4	4026.9	4134.4	4103.9	4022.0	3984.5
52.5°	4392.8	4416.5	4509.2	4552.6	4445.1	4352.4	4442.2	4547.7	4482.6	4374.1	4323.8
55°	4722.3	4745.9	4882.0	5026.0	5021.1	4957.0	5002.4	5004.3	4827.8	4648.3	4595.0
57.5°	4793.3	4816.9	5076.3	5453.1	5719.4	5793.3	5660.2	5380.1	4935.3	4620.7	4560.5
60°	4414.5	4441.2	4853.4	5541.8	6417.7	6911.8	6298.3	5372.2	4602.9	4176.9	4119.6
62.5°	3420.4	3449.0	4003.3	5036.9	6699.7	8031.2	6483.7	4807.1	3786.3	3246.8	3196.5
65°	1633.3	1633.3	2337.5	3612.7	6137.6	8004.6	5947.2	3556.5	2279.3	1750.6	1707.2
67.5°	404.4	406.3	601.6	1406.4	4174.9	6388.1	4242.9	1707.2	802.8	568.1	553.3
70°	252.5	251.5	279.1	380.7	1460.7	3877.0	1734.8	514.8	326.5	288.0	286.0
72.5°	196.3	196.3	210.1	243.6	382.7	1320.6	506.0	286.0	236.7	213.0	213.0
75°	154.8	154.8	164.7	182.5	225.9	340.3	269.3	212.0	183.4	167.7	165.7
77.5°	115.4	117.4	125.3	137.1	153.9	191.3	170.6	159.8	143.0	131.2	127.2
80°	75.0	77.9	87.8	94.7	100.6	126.2	111.4	116.4	108.5	94.7	92.7
82.5°	40.4	41.4	53.3	55.2	57.2	69.0	71.0	74.0	76.9	60.2	56.2
85°	14.8	14.8	17.8	20.7	22.7	24.7	33.5	41.4	43.4	34.5	33.5
87.5°	3.0	3.0	3.0	2.0	2.0	2.0	5.9	10.8	17.8	13.8	13.8
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)