

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: P639669

Luminaire Tested: GWS-SA5C-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-735-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12359.7 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 157.5
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

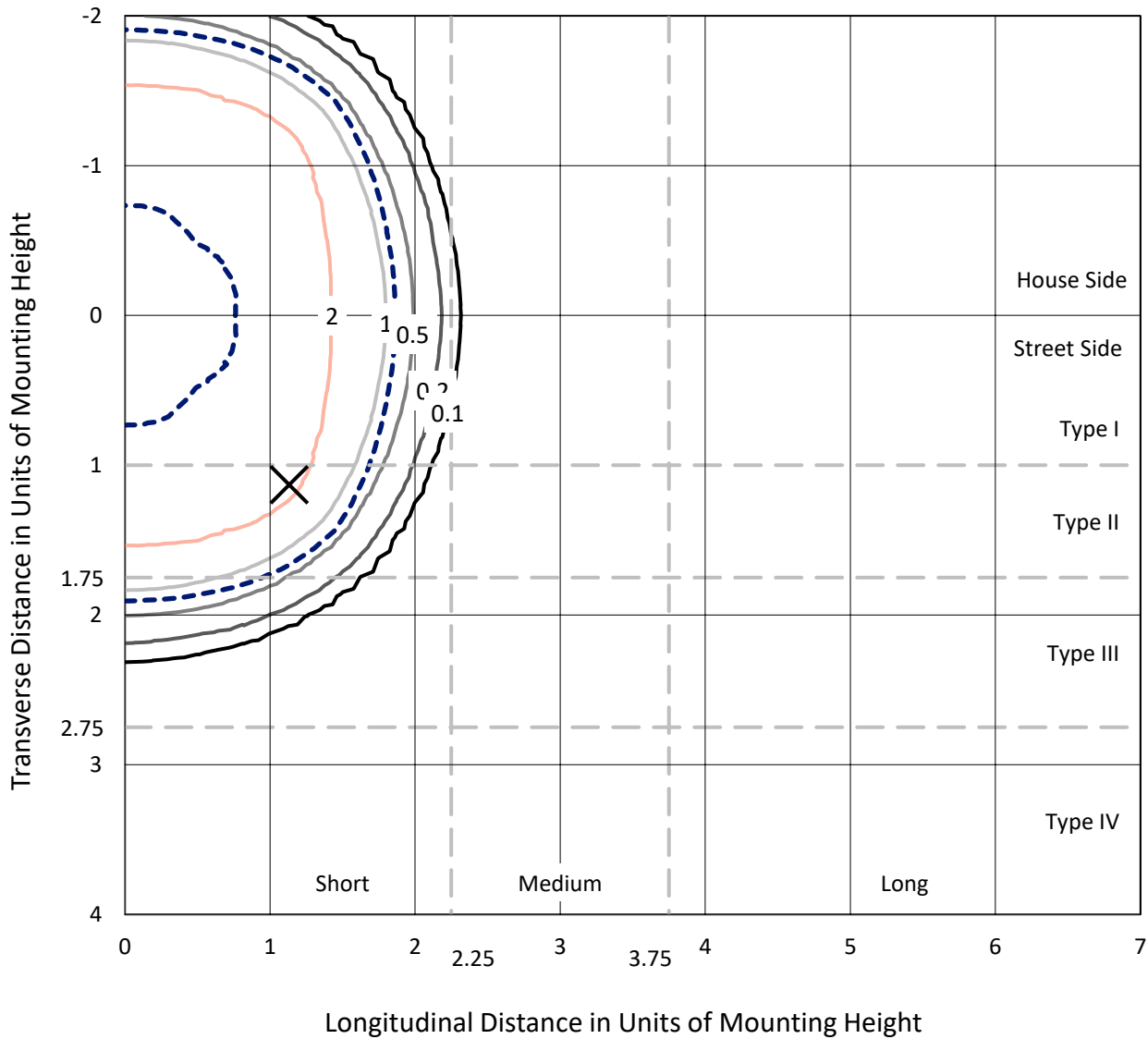


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Iso-Footcandle Lines of Horizontal Illumination

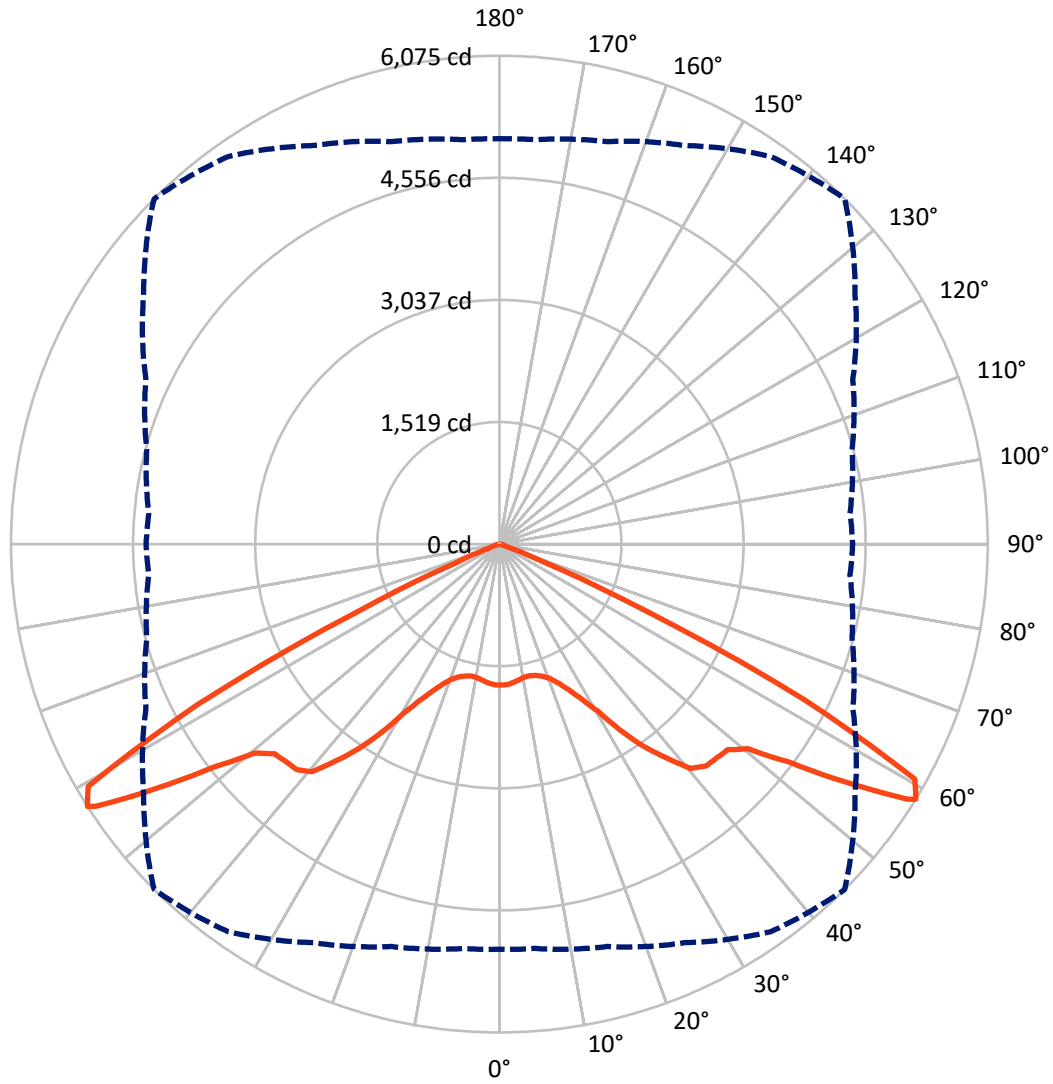
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6179.8	0.0	6179.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6179.8	0.0	6179.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	12359.7	0.0	12359.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	1.3
10°-20°	483.9	3.9
20°-30°	915.2	7.4
30°-40°	1804.9	14.6
40°-50°	2856.3	23.1
50°-60°	4198.5	34.0
60°-70°	1874.1	15.2
70°-80°	62.8	0.5
80°-90°	0.5	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°	12359.7	100.0
0°-180°	12359.7	100.0

Coefficient of Utilization



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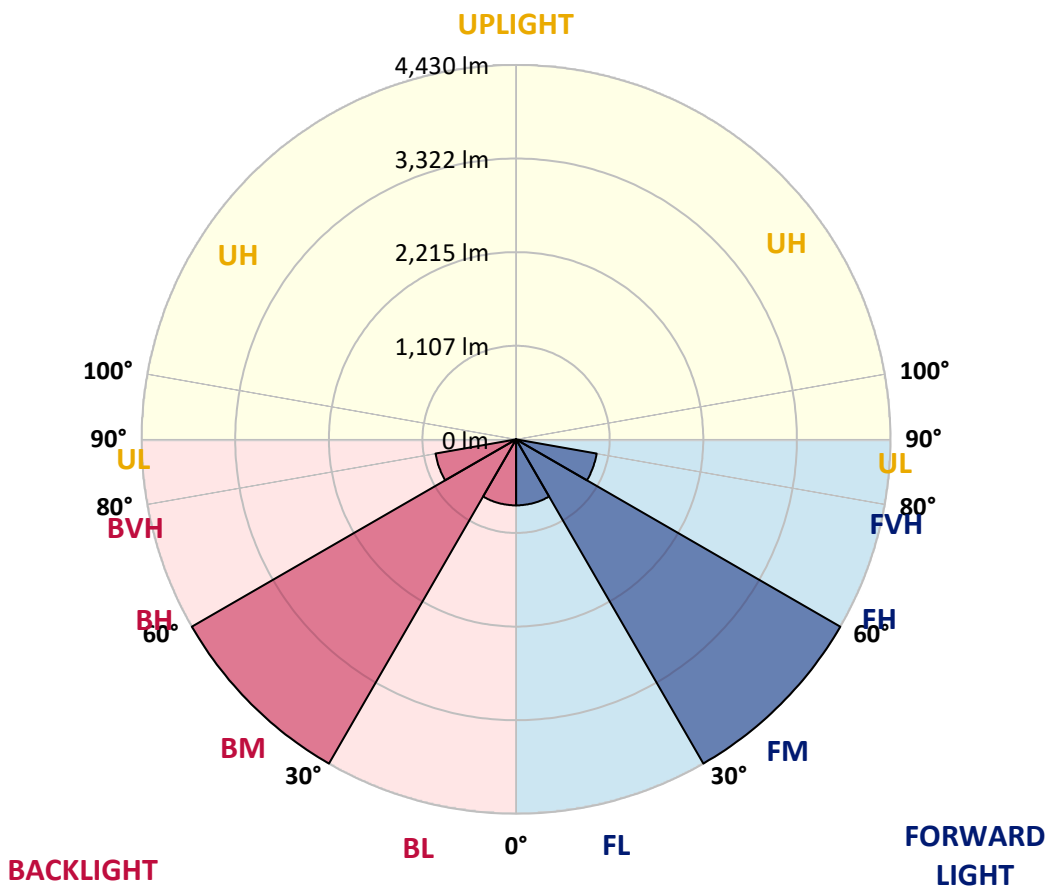
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	781.3	6.3			
FM (30°-60°)	4429.9	35.8			
FH (60°-80°)	968.4	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	781.3	6.3	B2/1000		
BM (30°-60°)	4429.9	35.8	B3/5000		
BH (60°-80°)	968.4	7.8	B2/1000		G1/1800
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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8
2.5°	1735.9	1739.3	1742.7	1744.4	1746.0	1751.1	1752.8	1747.7	1747.7	1737.6	1749.4
5°	1727.5	1730.9	1734.2	1732.6	1732.6	1732.6	1730.9	1724.1	1722.5	1712.4	1724.1
7.5°	1712.4	1715.7	1715.7	1710.7	1707.3	1707.3	1705.6	1697.2	1695.5	1685.4	1697.2
10°	1700.6	1702.3	1700.6	1690.5	1683.7	1683.7	1682.1	1678.7	1680.4	1673.6	1683.7
12.5°	1707.3	1709.0	1702.3	1688.8	1680.4	1678.7	1673.6	1668.6	1673.6	1672.0	1682.1
15°	1729.2	1730.9	1719.1	1702.3	1695.5	1695.5	1682.1	1668.6	1675.3	1677.0	1688.8
17.5°	1756.1	1756.1	1741.0	1725.8	1727.5	1727.5	1705.6	1682.1	1683.7	1690.5	1702.3
20°	1788.1	1788.1	1773.0	1769.6	1781.4	1783.1	1756.1	1719.1	1710.7	1715.7	1729.2
22.5°	1845.4	1845.4	1833.6	1842.0	1868.9	1877.4	1837.0	1784.8	1764.6	1767.9	1781.4
25°	1934.6	1934.6	1931.2	1951.5	1990.2	2008.7	1954.8	1885.8	1852.1	1847.1	1862.2
27.5°	2084.5	2086.1	2081.1	2111.4	2160.2	2182.1	2108.0	2017.1	1976.7	1968.3	1983.4
30°	2278.1	2278.1	2279.8	2321.9	2385.9	2414.5	2316.8	2210.7	2163.6	2136.7	2156.9
32.5°	2493.6	2497.0	2513.8	2584.5	2697.3	2756.3	2613.2	2465.0	2389.2	2360.6	2382.5
35°	2848.9	2816.9	2796.7	2848.9	3012.2	3089.7	2906.1	2732.7	2675.5	2672.1	2727.7
37.5°	3200.8	3182.3	3140.2	3194.0	3340.5	3375.9	3173.8	3029.0	2988.6	3010.5	3066.1
40°	3480.3	3446.6	3391.0	3441.6	3633.5	3668.9	3419.7	3276.6	3261.4	3310.2	3386.0
42.5°	3700.9	3653.7	3579.6	3591.4	3746.3	3771.6	3551.0	3443.2	3453.3	3514.0	3599.8
45°	3800.2	3763.2	3697.5	3692.4	3790.1	3791.8	3618.4	3562.8	3589.7	3636.9	3704.2
47.5°	3842.3	3825.5	3788.4	3780.0	3835.6	3822.1	3714.3	3690.8	3716.0	3729.5	3768.2
50°	3946.7	3946.7	3951.7	3958.5	4015.7	4002.2	3926.5	3899.5	3867.5	3820.4	3832.2
52.5°	4239.6	4251.4	4300.3	4354.1	4458.5	4502.3	4379.4	4222.8	4069.6	3966.9	3966.9
55°	4768.3	4780.1	4837.4	4928.3	5120.2	5224.6	4938.4	4593.2	4382.8	4243.0	4261.5
57.5°	5059.6	5073.1	5191.0	5436.8	5808.9	5985.7	5371.1	4859.3	4564.6	4404.7	4418.1
58°	5041.1	5049.5	5182.5	5470.5	5884.7	6074.9	5401.4	4850.8	4541.0	4377.7	4394.6
60°	4478.7	4467.0	4679.1	5089.9	5674.2	5936.9	5100.0	4428.2	4067.9	3901.2	3909.6
62.5°	2928.0	2934.8	3118.3	3547.6	4002.2	4249.8	3562.8	3062.7	2773.1	2672.1	2646.8
65°	1222.4	1200.5	1313.3	1552.4	1825.2	1963.2	1687.1	1427.8	1249.3	1182.0	1200.5
67.5°	314.9	306.4	313.2	392.3	479.9	567.4	476.5	363.7	316.5	319.9	319.9
70°	178.5	168.4	136.4	126.3	122.9	122.9	122.9	122.9	141.4	166.7	171.7
72.5°	134.7	126.3	99.3	85.9	75.8	70.7	74.1	85.9	102.7	124.6	128.0
75°	67.3	67.3	60.6	57.2	50.5	47.1	48.8	53.9	62.3	70.7	69.0
77.5°	13.5	15.2	16.8	20.2	16.8	16.8	16.8	20.2	20.2	21.9	20.2
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)