

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: P632242

Luminaire Tested: GWS-SA2C-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8275.4 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 63.2
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

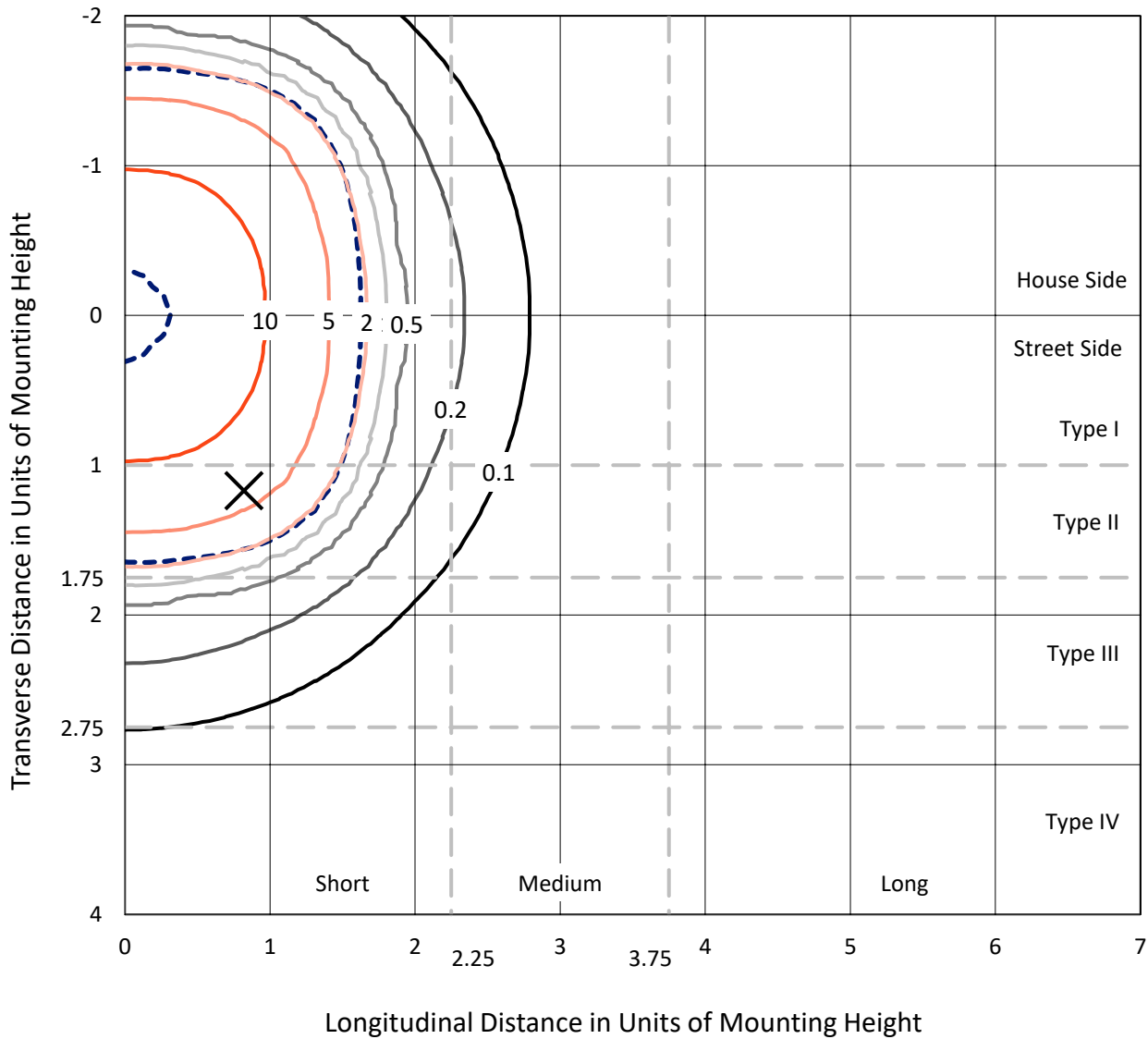


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Iso-Footcandle Lines of Horizontal Illumination

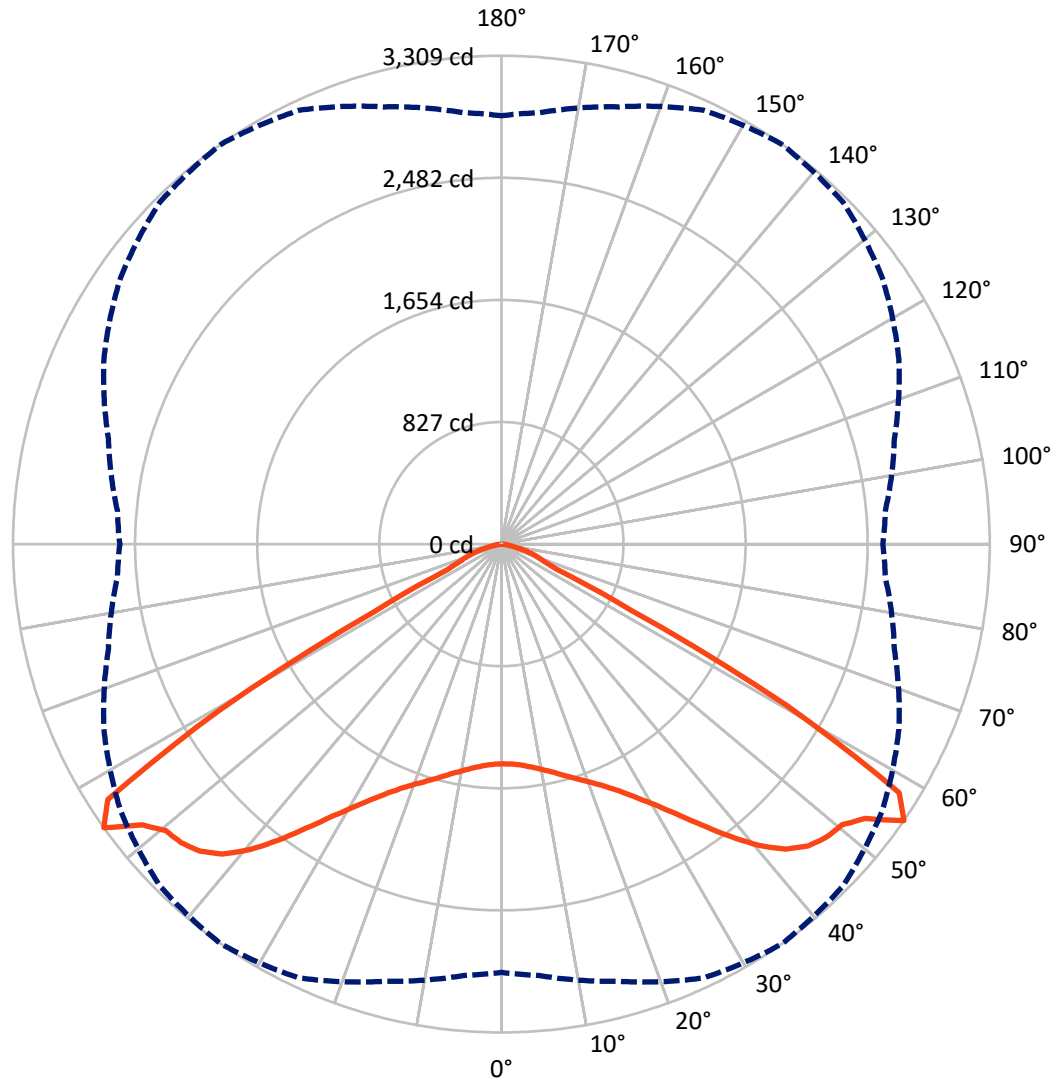
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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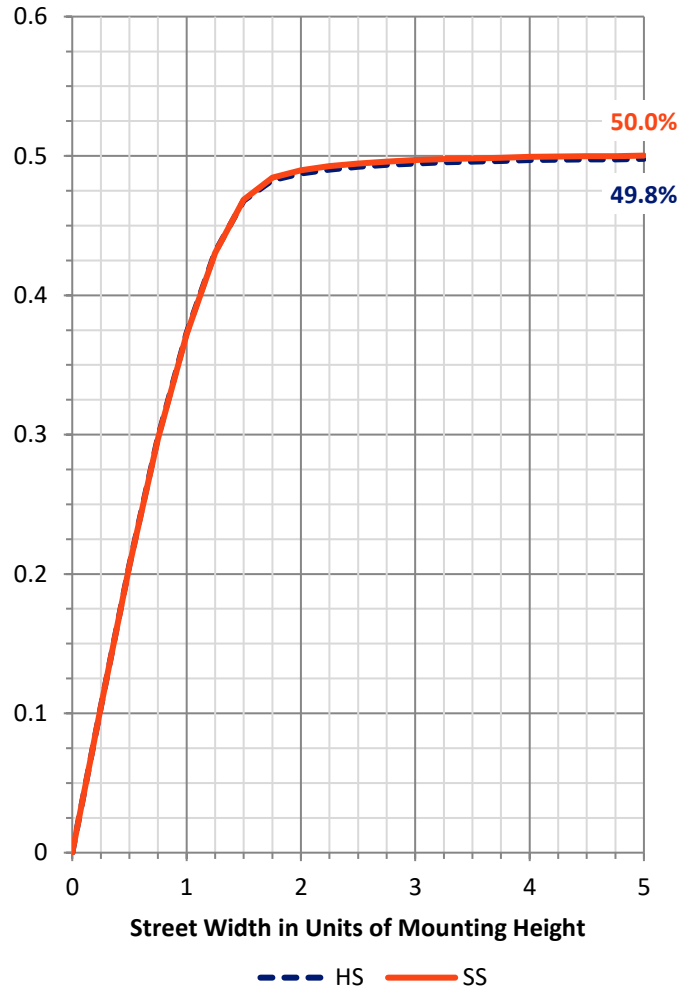
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4137.7	0.0	4137.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4137.7	0.0	4137.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8275.4	0.0	8275.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.2	1.8
10°-20°	462.3	5.6
20°-30°	855.7	10.3
30°-40°	1431.3	17.3
40°-50°	2181.1	26.4
50°-60°	2443.3	29.5
60°-70°	578.1	7.0
70°-80°	155.9	1.9
80°-90°	22.4	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°	8275.4	100.0
0°-180°	8275.4	100.0

Coefficient of Utilization



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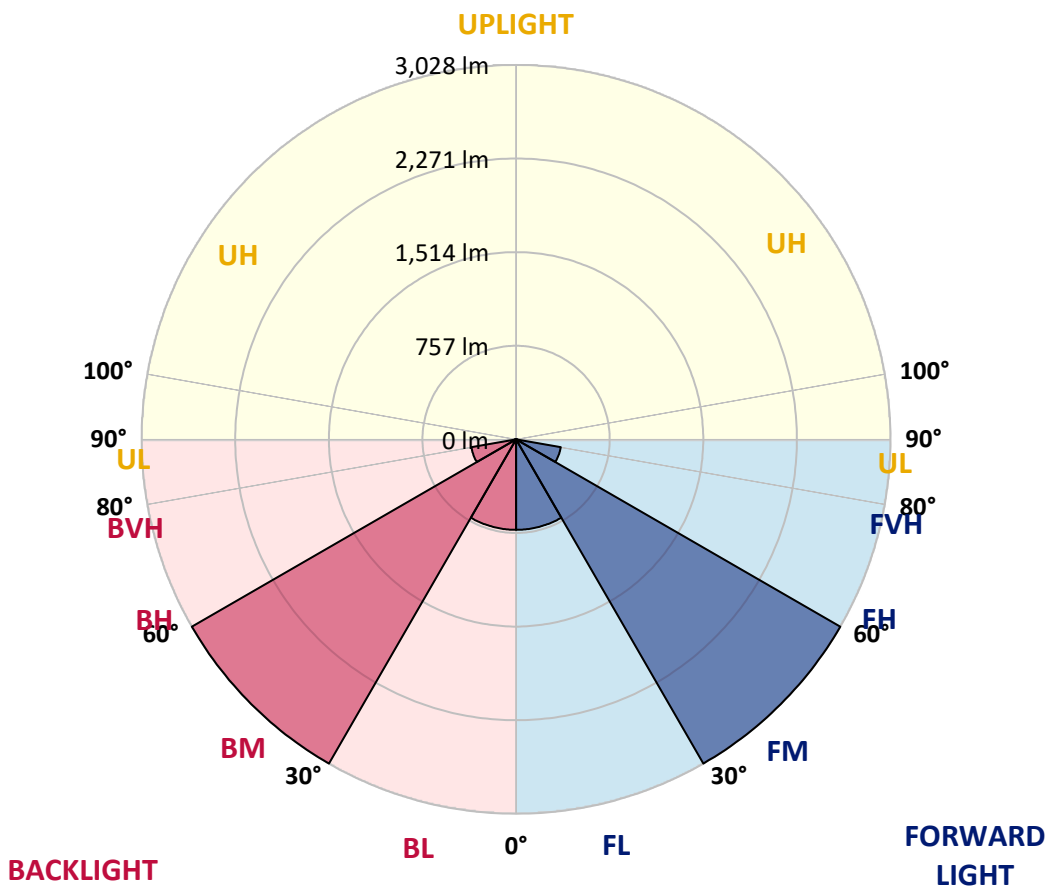
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	731.6	8.8			
FM (30°-60°)	3027.9	36.6			
FH (60°-80°)	367.0	4.4			G0/660
FVH (80°-90°)	11.2	0.1			G1/100
BL (0°-30°)	731.6	8.8	B2/1000		
BM (30°-60°)	3027.9	36.6	B3/5000		
BH (60°-80°)	367.0	4.4	B1/500		G0/660
BVH (80°-90°)	11.2	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8
2.5°	1485.5	1485.5	1488.1	1491.4	1492.0	1498.6	1497.3	1494.7	1493.3	1490.7	1496.6
5°	1501.9	1502.5	1504.5	1506.4	1505.1	1510.4	1508.4	1505.1	1503.2	1499.9	1505.8
7.5°	1523.5	1523.5	1525.4	1528.0	1526.7	1534.6	1530.6	1526.1	1522.8	1518.9	1524.1
10°	1543.1	1544.4	1546.4	1551.6	1554.2	1562.7	1560.1	1553.6	1548.3	1543.7	1549.6
12.5°	1572.5	1573.8	1575.8	1583.0	1587.6	1596.1	1592.2	1583.0	1575.1	1568.6	1575.1
15°	1610.5	1609.2	1614.4	1623.6	1629.5	1637.3	1632.7	1617.0	1606.6	1598.1	1604.6
17.5°	1649.1	1648.4	1653.7	1665.5	1674.0	1684.4	1676.6	1658.3	1647.1	1636.7	1643.2
20°	1691.0	1692.9	1698.2	1709.3	1721.7	1735.5	1728.9	1709.3	1696.9	1685.1	1690.3
22.5°	1742.7	1743.3	1749.2	1763.6	1780.0	1793.1	1789.1	1764.9	1749.2	1736.8	1743.3
25°	1804.8	1804.2	1812.0	1829.1	1852.0	1865.0	1856.5	1829.7	1812.7	1798.3	1803.5
27.5°	1876.2	1875.5	1887.3	1909.5	1942.3	1960.6	1942.9	1909.5	1886.0	1865.7	1870.3
30°	1965.8	1963.9	1977.0	2007.1	2049.6	2080.3	2054.2	2007.7	1977.0	1955.4	1959.9
32.5°	2065.3	2067.9	2084.3	2124.8	2178.5	2218.4	2179.2	2127.5	2086.2	2054.8	2060.1
35°	2174.6	2174.6	2208.0	2258.3	2334.9	2387.9	2327.1	2252.5	2197.5	2154.3	2155.6
37.5°	2296.3	2297.6	2341.5	2410.8	2510.9	2573.1	2490.7	2398.4	2331.6	2285.2	2282.6
40°	2444.8	2448.8	2493.9	2571.1	2683.7	2740.6	2652.3	2562.0	2493.9	2439.0	2433.7
42.5°	2612.4	2613.7	2661.5	2730.8	2825.7	2859.7	2790.4	2716.4	2660.8	2611.1	2605.8
45°	2772.1	2768.8	2810.0	2861.7	2916.7	2919.9	2881.3	2851.2	2802.8	2760.3	2752.4
47.5°	2896.4	2893.8	2931.1	2959.2	2965.8	2933.7	2946.1	2950.7	2894.4	2836.8	2821.8
50°	2972.3	2977.5	3012.9	3028.6	2990.0	2937.6	2984.7	2973.0	2892.5	2817.2	2793.0
52.5°	3018.1	3026.0	3087.5	3127.4	3087.5	3037.7	3044.3	2974.9	2859.1	2759.6	2728.2
55°	2902.3	2933.7	3066.5	3243.2	3308.7	3274.0	3149.6	2971.0	2756.3	2611.7	2584.9
57.5°	2151.0	2200.8	2397.7	2780.6	3178.4	3304.7	2941.5	2490.7	2165.4	1979.6	1963.9
60°	1098.1	1153.7	1311.4	1704.7	2216.5	2394.5	2048.9	1594.8	1267.6	1117.1	1100.1
62.5°	448.3	457.4	509.1	660.9	979.6	1130.2	992.7	696.9	523.5	482.3	482.9
65°	352.7	354.7	352.1	361.2	410.3	455.5	420.8	369.7	360.6	365.2	361.9
67.5°	307.6	308.2	306.3	306.3	308.2	306.3	310.2	312.2	313.5	318.7	315.4
70°	257.2	257.8	257.8	259.1	258.5	255.2	261.1	263.7	264.4	267.7	265.7
72.5°	198.9	200.9	202.2	202.9	202.2	200.2	203.5	208.1	207.4	210.7	207.4
75°	134.8	137.4	138.7	141.4	140.7	140.7	144.6	146.6	144.6	147.2	144.6
77.5°	76.6	78.5	82.5	85.1	87.7	89.7	92.3	93.6	92.9	94.2	92.9
80°	44.5	45.2	48.4	49.7	53.0	56.3	58.9	60.2	60.9	61.5	60.9
82.5°	25.5	26.2	27.5	28.8	31.4	34.0	36.6	38.6	38.6	39.3	38.6
85°	12.4	12.4	13.1	13.7	15.1	17.0	19.0	20.9	21.6	21.6	21.6
87.5°	2.0	2.0	2.6	2.6	3.3	3.9	5.2	6.5	7.2	7.2	7.2
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)