

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: P632245

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 7709.4 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

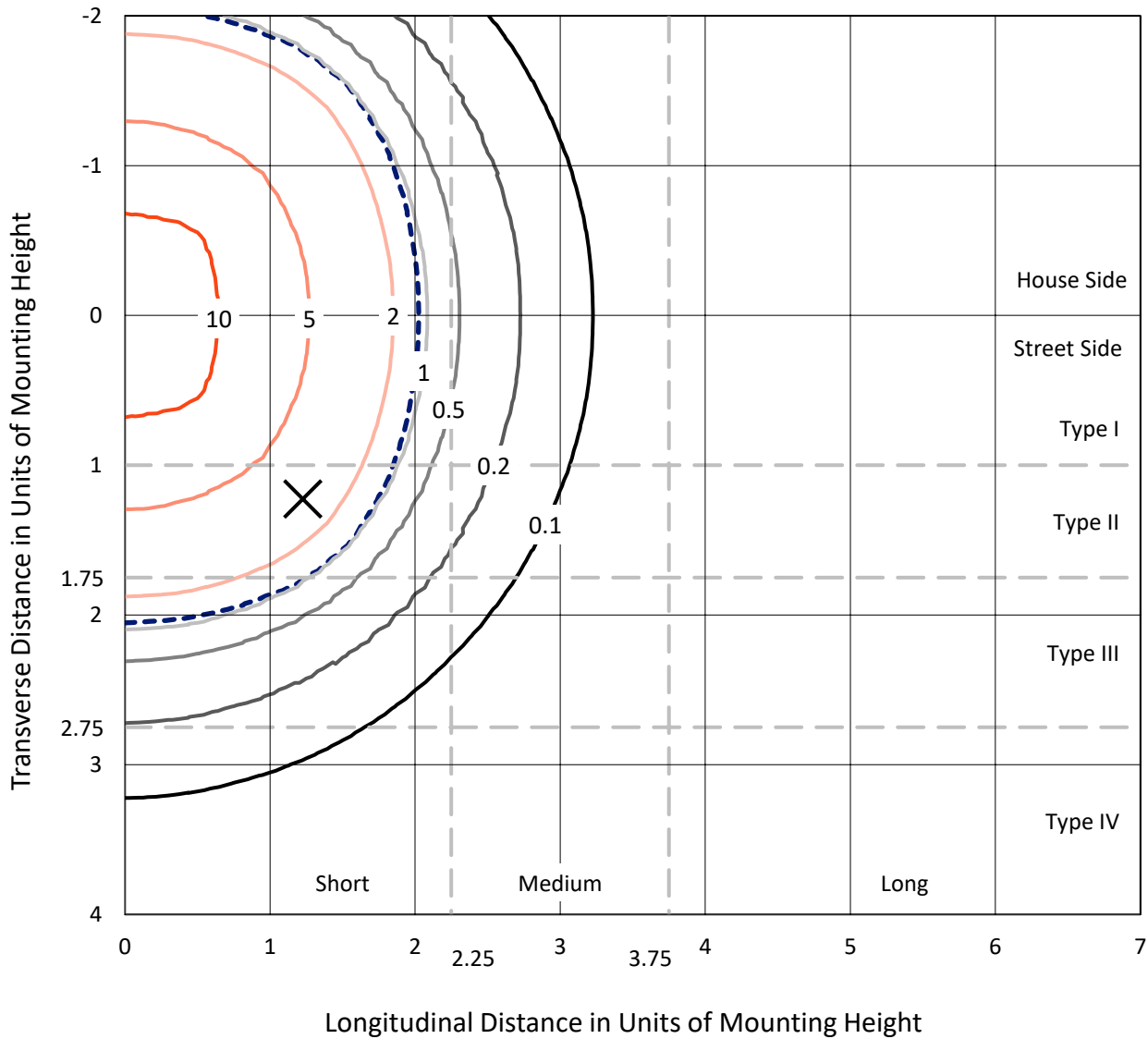
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

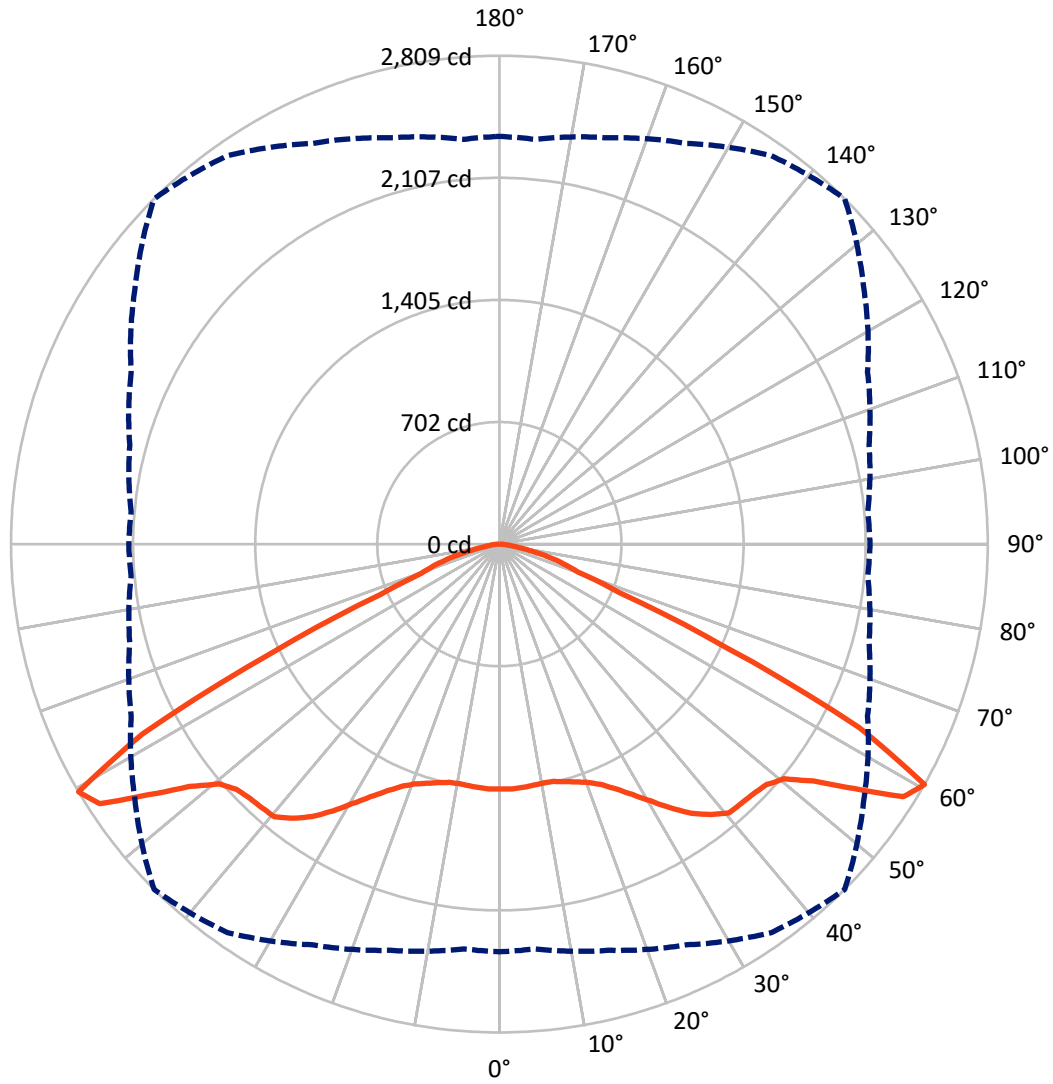
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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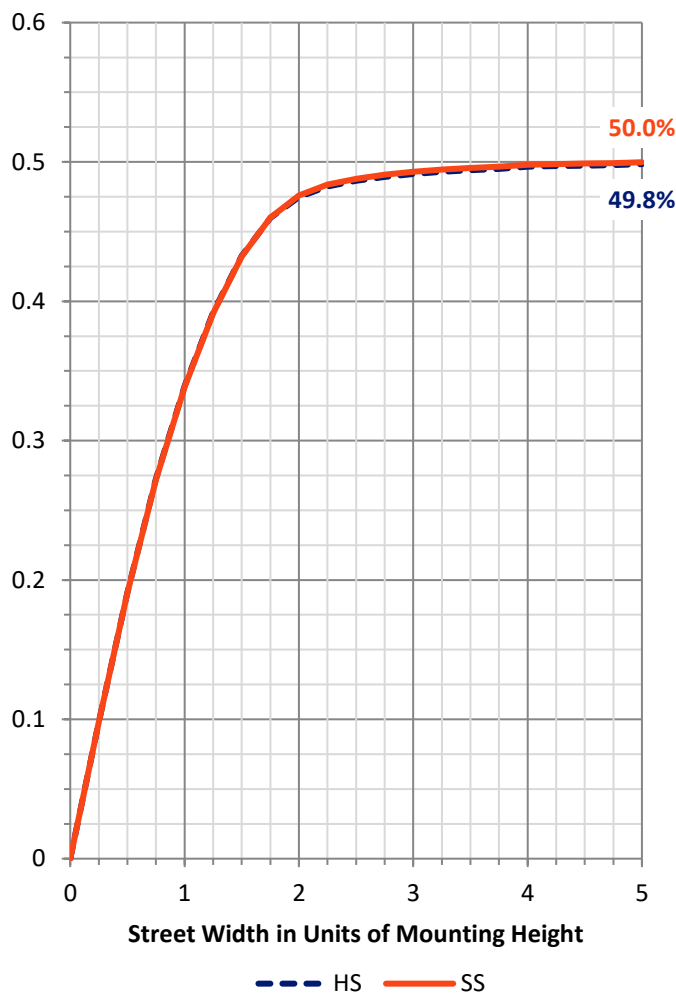
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3854.7	0.0	3854.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3854.7	0.0	3854.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	7709.4	0.0	7709.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.6	1.7
10°-20°	401.9	5.2
20°-30°	711.0	9.2
30°-40°	1144.7	14.8
40°-50°	1573.4	20.4
50°-60°	2096.7	27.2
60°-70°	1306.8	17.0
70°-80°	300.5	3.9
80°-90°	40.8	0.5
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°	7709.4	100.0
0°-180°	7709.4	100.0

Coefficient of Utilization



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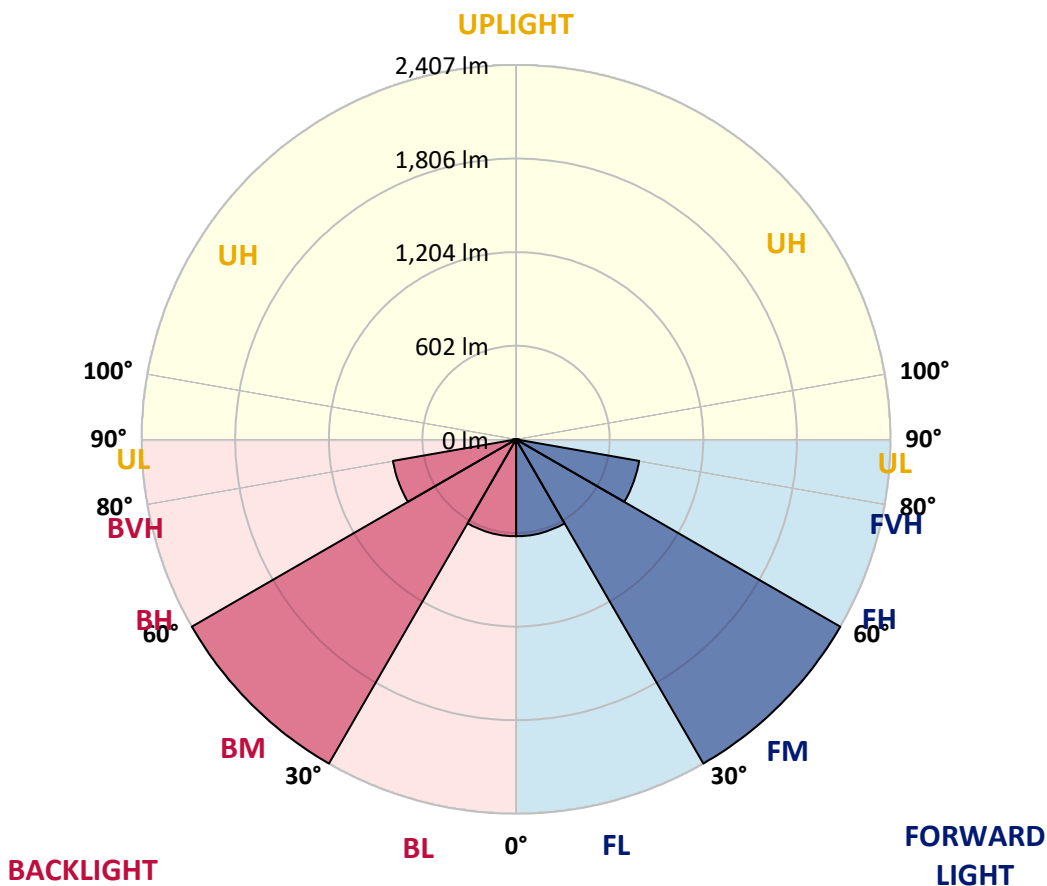
CATALOG NUMBER: GWS-SA2C-735-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	623.3	8.1			
FM (30°-60°)	2407.4	31.2			
FH (60°-80°)	803.6	10.4			G1/1800
FVH (80°-90°)	20.4	0.3			G1/100
BL (0°-30°)	623.3	8.1	B2/1000		
BM (30°-60°)	2407.4	31.2	B2/2500		
BH (60°-80°)	803.6	10.4	B2/1000		G1/1800
BVH (80°-90°)	20.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9
2.5°	1399.1	1400.4	1403.0	1405.0	1407.6	1410.2	1411.5	1408.9	1407.6	1402.3	1408.2
5°	1400.4	1401.7	1403.6	1403.6	1404.3	1406.3	1406.3	1403.0	1399.7	1393.8	1400.4
7.5°	1398.4	1399.7	1400.4	1399.7	1400.4	1401.0	1399.7	1395.8	1392.5	1387.3	1392.5
10°	1395.1	1396.4	1397.8	1396.4	1395.1	1397.1	1397.1	1394.5	1392.5	1387.3	1393.2
12.5°	1402.3	1404.3	1405.0	1401.7	1400.4	1401.0	1401.0	1398.4	1398.4	1393.8	1400.4
15°	1419.4	1420.7	1418.7	1414.8	1415.4	1417.4	1412.8	1406.3	1405.0	1403.0	1408.2
17.5°	1432.4	1433.7	1431.8	1429.2	1433.7	1438.3	1429.8	1417.4	1413.5	1412.2	1418.0
20°	1446.8	1448.8	1446.2	1449.5	1458.6	1463.8	1453.4	1436.4	1428.5	1426.6	1433.7
22.5°	1470.4	1473.0	1473.0	1480.2	1494.0	1502.5	1489.4	1466.5	1454.7	1451.4	1458.6
25°	1507.7	1509.7	1511.6	1526.0	1548.3	1560.0	1539.1	1507.7	1491.3	1486.1	1490.0
27.5°	1559.4	1562.7	1565.9	1586.9	1614.4	1631.4	1601.3	1562.0	1541.7	1531.3	1539.1
30°	1620.9	1625.5	1633.3	1656.9	1695.5	1714.5	1675.9	1628.1	1605.2	1594.1	1604.5
32.5°	1704.7	1705.3	1711.2	1737.4	1788.4	1810.0	1761.6	1708.6	1685.0	1671.9	1677.8
35°	1804.1	1804.8	1795.6	1822.5	1877.4	1901.6	1844.7	1791.0	1771.4	1767.5	1782.5
37.5°	1906.2	1900.3	1891.2	1902.9	1958.6	1974.3	1914.1	1868.3	1859.8	1866.9	1889.2
40°	1978.8	1969.0	1950.7	1959.2	2015.5	2033.8	1969.7	1926.5	1923.9	1941.5	1968.4
42.5°	2026.0	2015.5	1993.9	1993.9	2032.5	2040.4	1990.6	1967.7	1973.6	1993.9	2019.4
45°	2048.9	2043.0	2030.5	2024.0	2045.6	2048.9	2010.9	2001.8	2012.9	2022.7	2042.3
47.5°	2066.5	2066.5	2062.6	2056.1	2065.9	2067.8	2039.7	2037.1	2051.5	2051.5	2064.6
50°	2097.9	2101.2	2106.5	2105.1	2115.6	2122.2	2101.2	2097.3	2103.2	2084.2	2090.7
52.5°	2180.4	2188.9	2204.0	2215.7	2242.6	2262.8	2225.5	2194.1	2163.4	2121.5	2122.8
55°	2328.3	2332.2	2361.7	2396.3	2441.5	2482.7	2406.2	2308.7	2241.9	2192.8	2193.5
57.5°	2453.3	2459.2	2502.4	2575.0	2676.4	2740.5	2571.1	2408.1	2313.9	2253.7	2255.7
60°	2345.3	2337.4	2419.2	2543.6	2727.5	2809.3	2559.3	2336.8	2201.3	2126.7	2132.0
62.5°	1814.6	1799.5	1890.5	2020.7	2241.3	2323.1	2092.7	1879.4	1751.1	1692.9	1684.4
65°	1104.6	1090.9	1156.3	1236.1	1385.3	1437.0	1331.7	1218.5	1106.6	1071.2	1061.4
67.5°	601.4	599.4	617.1	656.3	721.8	746.0	725.7	672.0	643.3	618.4	618.4
70°	477.0	473.1	469.8	470.5	476.4	479.7	480.3	477.7	481.0	481.6	479.0
72.5°	395.2	393.9	387.4	388.0	385.4	384.1	388.7	391.3	396.6	397.2	397.2
75°	286.6	283.3	286.6	287.3	284.7	284.7	287.9	287.3	289.9	291.2	284.0
77.5°	162.9	162.9	167.5	172.8	176.7	176.7	180.0	180.0	183.2	182.6	181.3
80°	89.7	89.7	92.3	95.5	99.5	103.4	106.7	107.3	109.3	108.6	106.7
82.5°	51.0	51.7	53.0	55.0	58.9	62.2	65.4	66.1	68.1	68.1	66.1
85°	24.2	23.6	24.2	25.5	27.5	30.1	33.4	35.3	36.6	36.6	35.3
87.5°	4.6	5.2	4.6	5.2	5.9	7.9	9.2	10.5	12.4	13.1	11.8
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)