

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: P632520

Luminaire Tested: GWS-SA2C-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632520
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6209.3 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

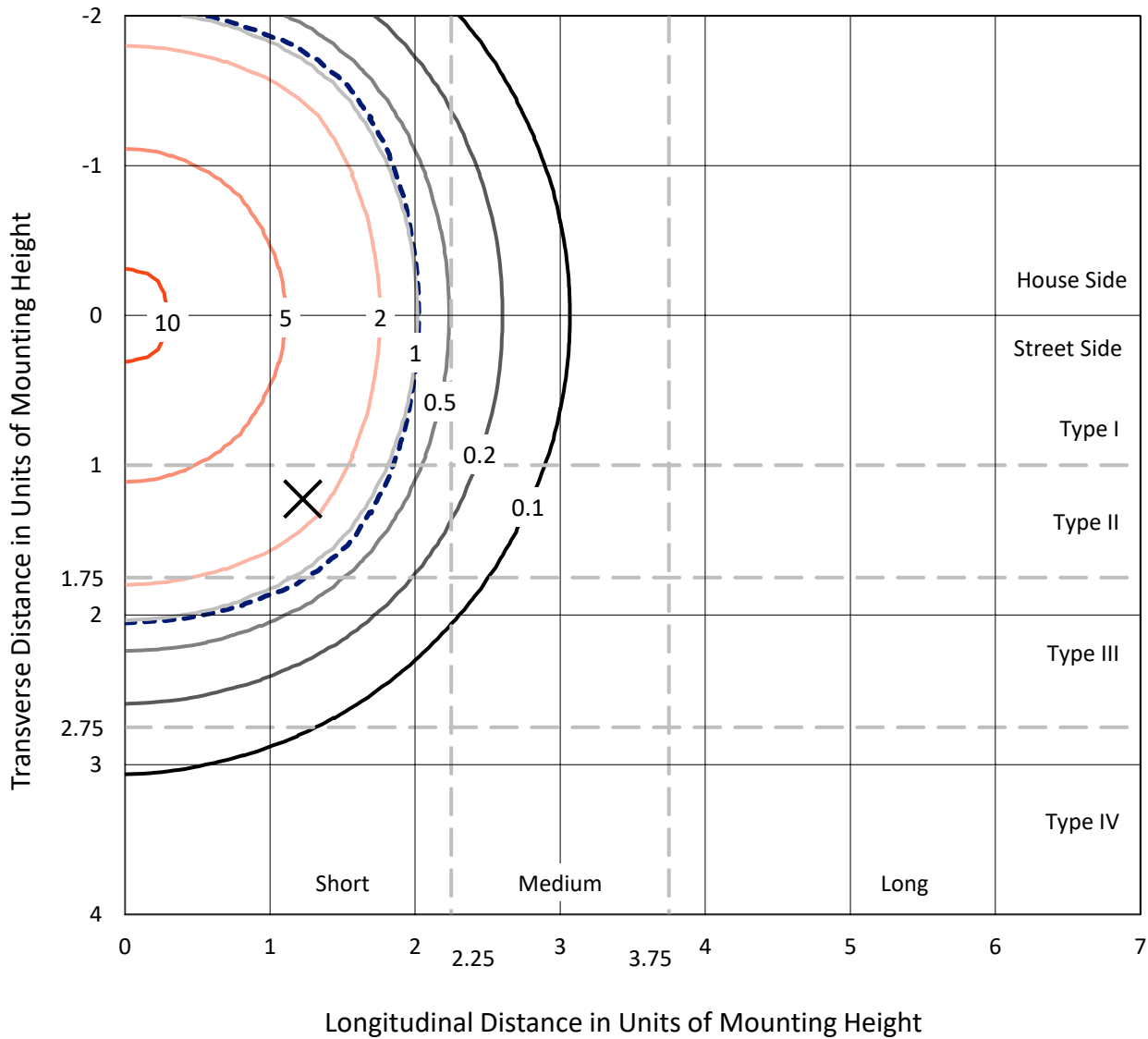
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

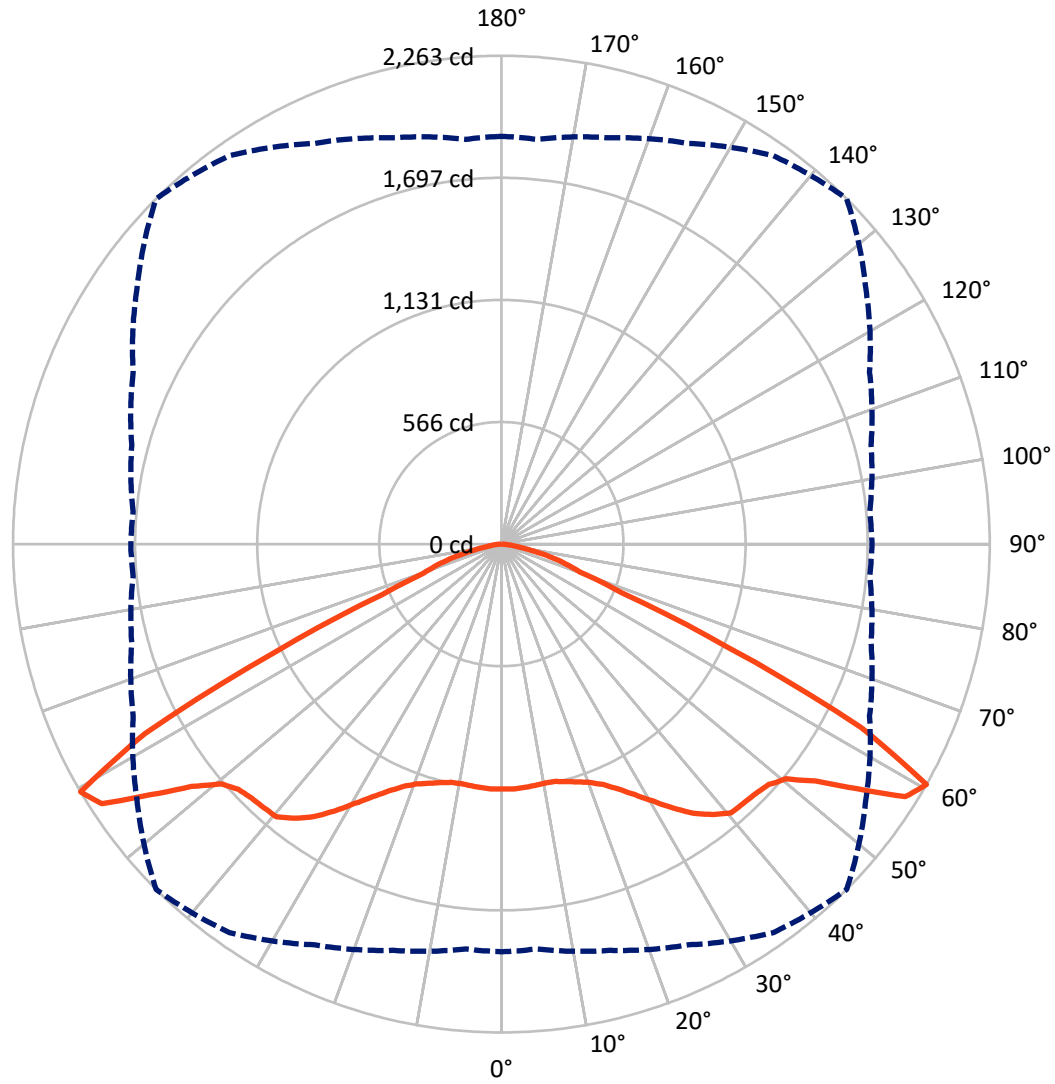
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 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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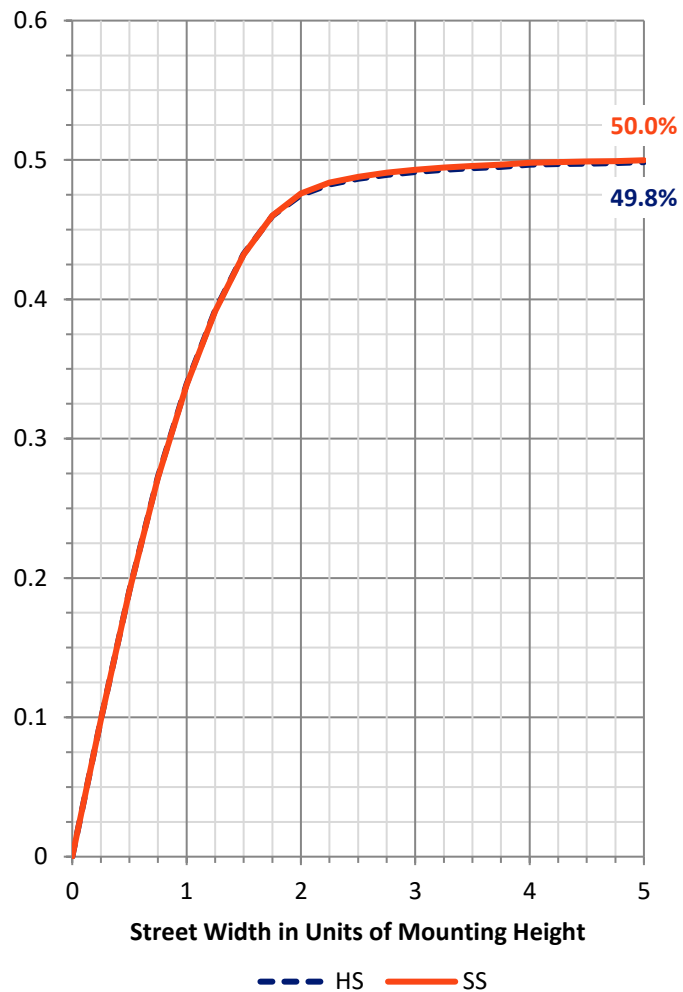
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3104.6	0.0	3104.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3104.6	0.0	3104.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6209.3	0.0	6209.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	1.7
10°-20°	323.7	5.2
20°-30°	572.7	9.2
30°-40°	922.0	14.8
40°-50°	1267.2	20.4
50°-60°	1688.7	27.2
60°-70°	1052.5	17.0
70°-80°	242.0	3.9
80°-90°	32.8	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°	6209.3	100.0
0°-180°	6209.3	100.0

Coefficient of Utilization



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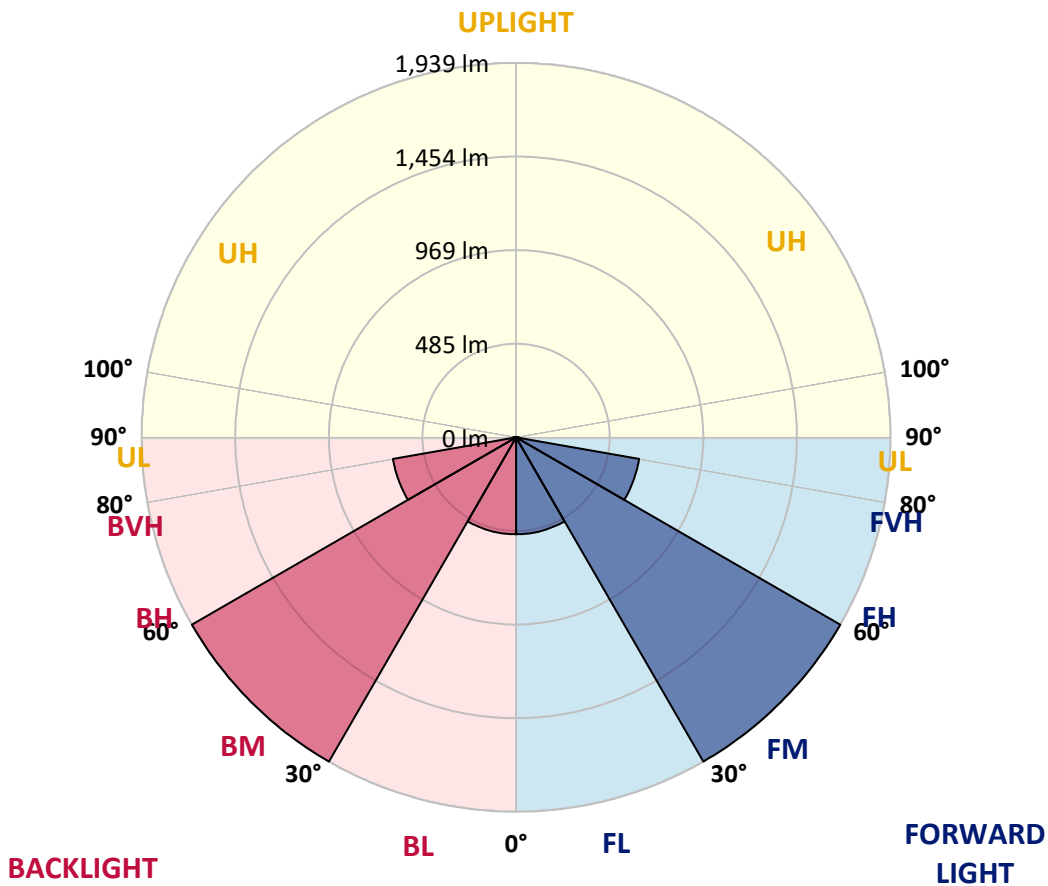
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	502.0	8.1			
FM (30°-60°)	1939.0	31.2			
FH (60°-80°)	647.3	10.4			G0/660
FVH (80°-90°)	16.4	0.3			G1/100
BL (0°-30°)	502.0	8.1	B2/1000		
BM (30°-60°)	1939.0	31.2	B2/2500		
BH (60°-80°)	647.3	10.4	B2/1000		G0/660
BVH (80°-90°)	16.4	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°	1134.7	1134.7	1134.7	1134.7	1134.7	1134.7	1134.7	1134.7	1134.7	1134.7	1134.7
2.5°	1126.8	1127.9	1130.0	1131.6	1133.7	1135.8	1136.8	1134.7	1133.7	1129.5	1134.2
5°	1127.9	1128.9	1130.5	1130.5	1131.1	1132.6	1132.6	1130.0	1127.4	1122.6	1127.9
7.5°	1126.3	1127.4	1127.9	1127.4	1127.9	1128.4	1127.4	1124.2	1121.6	1117.3	1121.6
10°	1123.7	1124.7	1125.8	1124.7	1123.7	1125.3	1125.3	1123.1	1121.6	1117.3	1122.1
12.5°	1129.5	1131.1	1131.6	1128.9	1127.9	1128.4	1128.4	1126.3	1126.3	1122.6	1127.9
15°	1143.2	1144.2	1142.6	1139.5	1140.0	1141.6	1137.9	1132.6	1131.6	1130.0	1134.2
17.5°	1153.7	1154.8	1153.2	1151.1	1154.8	1158.5	1151.6	1141.6	1138.4	1137.4	1142.1
20°	1165.3	1166.9	1164.8	1167.4	1174.8	1179.0	1170.6	1156.9	1150.6	1149.0	1154.8
22.5°	1184.3	1186.4	1186.4	1192.2	1203.3	1210.1	1199.6	1181.1	1171.6	1169.0	1174.8
25°	1214.3	1215.9	1217.5	1229.1	1247.0	1256.5	1239.6	1214.3	1201.1	1196.9	1200.1
27.5°	1256.0	1258.6	1261.2	1278.1	1300.2	1313.9	1289.7	1258.1	1241.7	1233.3	1239.6
30°	1305.5	1309.2	1315.5	1334.5	1365.6	1380.9	1349.8	1311.3	1292.9	1283.9	1292.3
32.5°	1373.0	1373.5	1378.2	1399.3	1440.4	1457.8	1418.8	1376.1	1357.2	1346.6	1351.4
35°	1453.1	1453.6	1446.2	1467.8	1512.1	1531.6	1485.8	1442.5	1426.7	1423.6	1435.7
37.5°	1535.3	1530.6	1523.2	1532.7	1577.5	1590.1	1541.6	1504.7	1497.9	1503.7	1521.6
40°	1593.8	1585.9	1571.1	1578.0	1623.3	1638.1	1586.4	1551.6	1549.5	1563.8	1585.4
42.5°	1631.7	1623.3	1605.9	1605.9	1637.0	1643.3	1603.3	1584.8	1589.6	1605.9	1626.5
45°	1650.2	1645.5	1635.4	1630.2	1647.6	1650.2	1619.6	1612.2	1621.2	1629.1	1644.9
47.5°	1664.4	1664.4	1661.3	1656.0	1663.9	1665.5	1642.8	1640.7	1652.3	1652.3	1662.8
50°	1689.7	1692.4	1696.6	1695.5	1704.0	1709.2	1692.4	1689.2	1693.9	1678.7	1683.9
52.5°	1756.1	1763.0	1775.1	1784.6	1806.2	1822.5	1792.5	1767.2	1742.4	1708.7	1709.8
55°	1875.2	1878.4	1902.1	1930.1	1966.4	1999.6	1938.0	1859.4	1805.7	1766.1	1766.7
57.5°	1975.9	1980.7	2015.4	2073.9	2155.6	2207.3	2070.8	1939.5	1863.7	1815.2	1816.7
60°	1889.0	1882.6	1948.5	2048.6	2196.7	2262.6	2061.3	1882.1	1773.0	1712.9	1717.1
62.5°	1461.5	1449.4	1522.7	1627.5	1805.1	1871.0	1685.5	1513.7	1410.4	1363.5	1356.6
65°	889.7	878.6	931.3	995.6	1115.8	1157.4	1072.5	981.4	891.2	862.8	854.9
67.5°	484.4	482.8	497.0	528.6	581.3	600.8	584.5	541.3	518.1	498.1	498.1
70°	384.2	381.1	378.4	378.9	383.7	386.3	386.9	384.7	387.4	387.9	385.8
72.5°	318.3	317.3	312.0	312.5	310.4	309.4	313.1	315.2	319.4	319.9	319.9
75°	230.8	228.2	230.8	231.4	229.3	229.3	231.9	231.4	233.5	234.5	228.7
77.5°	131.2	131.2	134.9	139.1	142.3	142.3	144.9	144.9	147.6	147.0	146.0
80°	72.2	72.2	74.3	76.9	80.1	83.3	85.9	86.4	88.0	87.5	85.9
82.5°	41.1	41.6	42.7	44.3	47.4	50.1	52.7	53.2	54.8	54.8	53.2
85°	19.5	19.0	19.5	20.6	22.1	24.2	26.9	28.5	29.5	29.5	28.5
87.5°	3.7	4.2	3.7	4.2	4.7	6.3	7.4	8.4	10.0	10.5	9.5
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)