

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: P631524

Luminaire Tested: GWS-SA1F-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5860 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 67.2
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

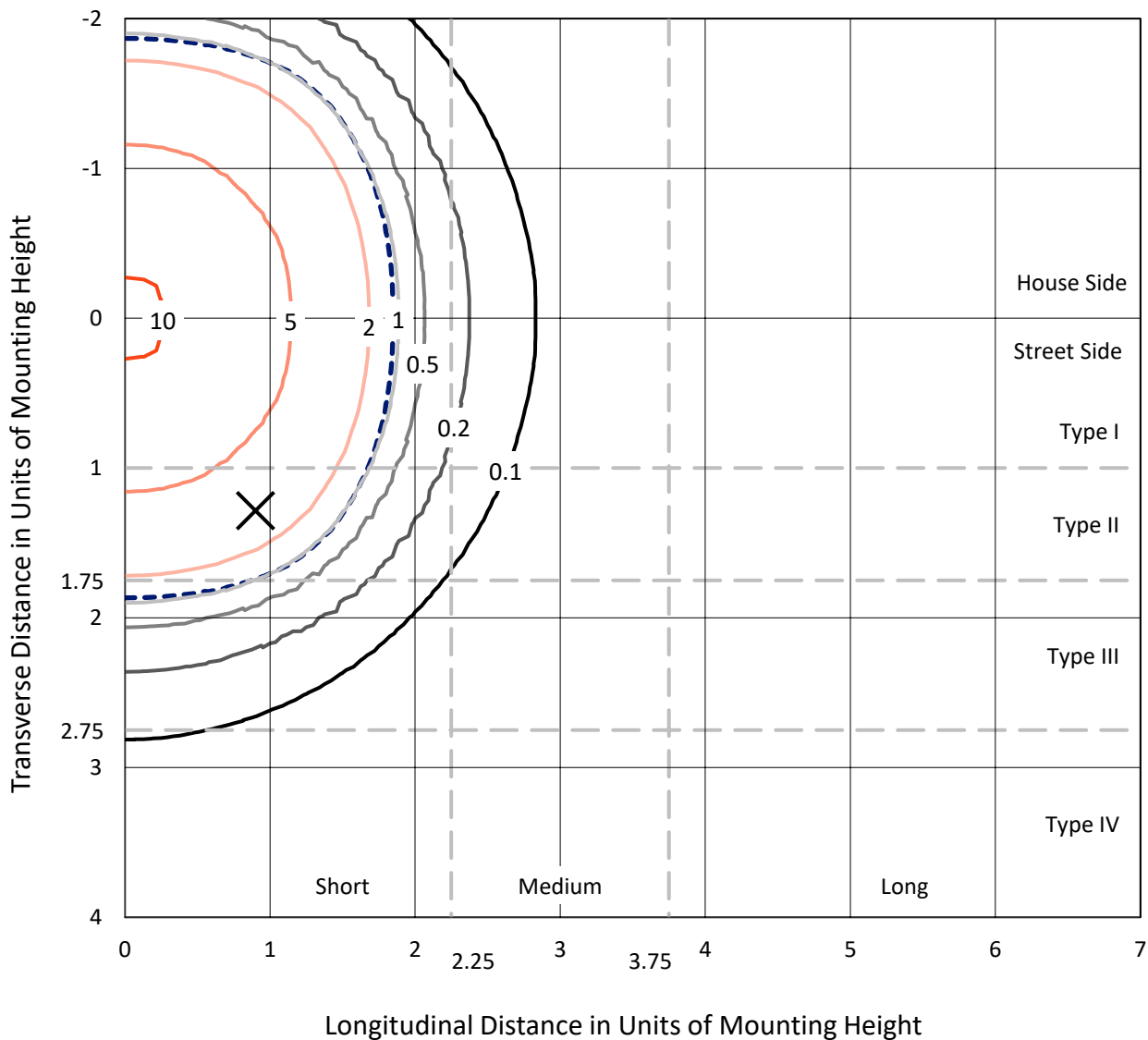


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Iso-Footcandle Lines of Horizontal Illumination

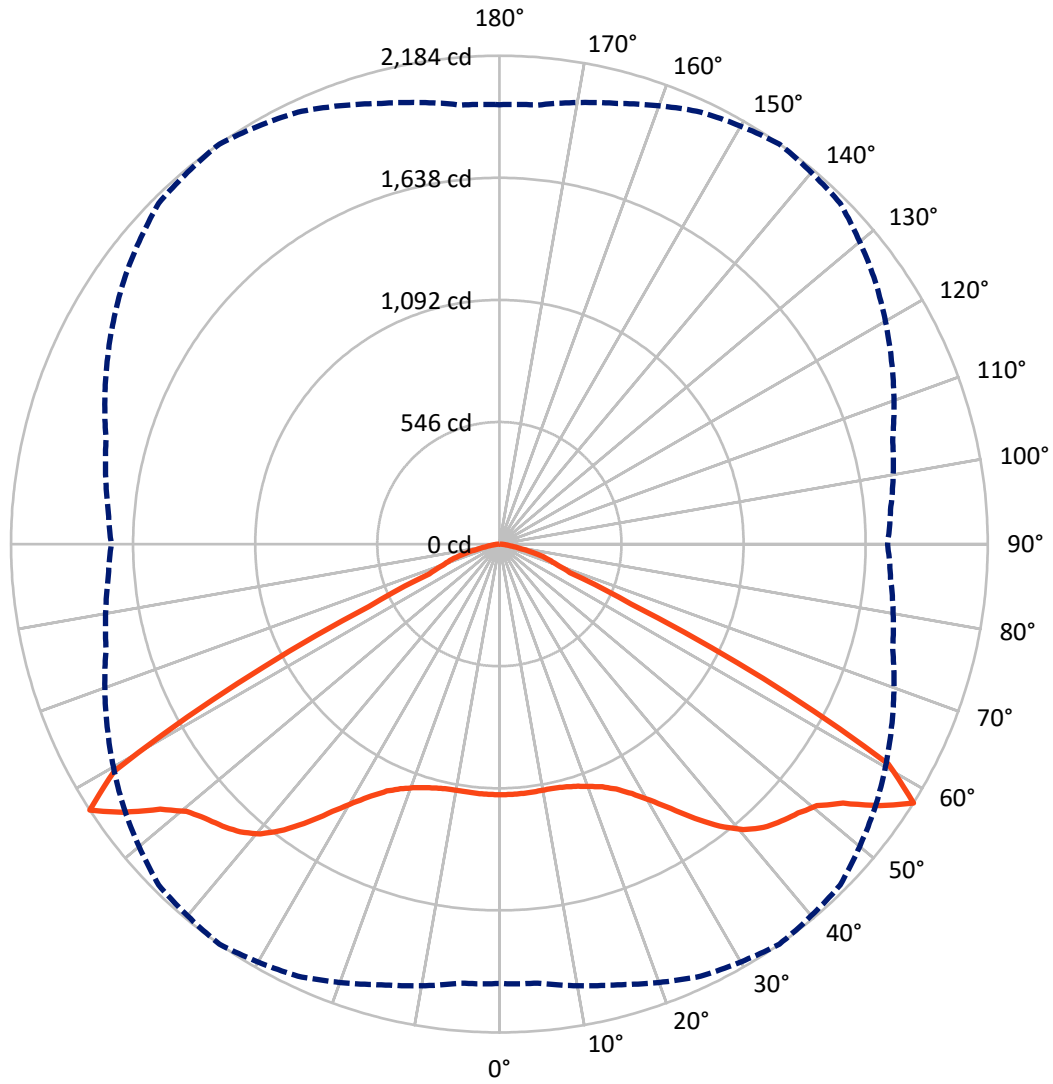
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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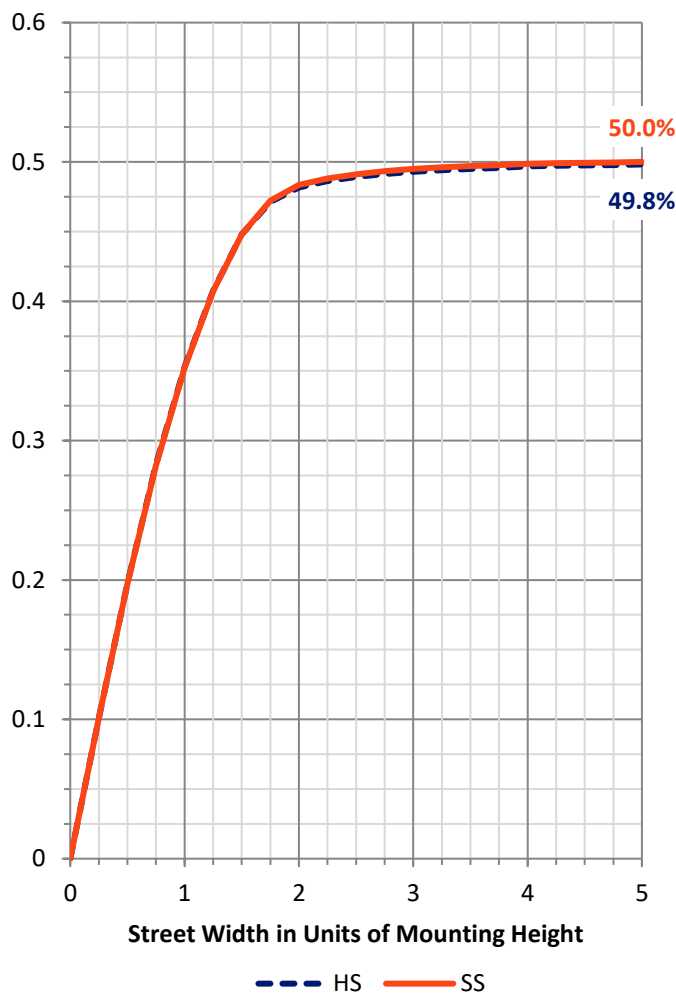
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2930.0	0.0	2930.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2930.0	0.0	2930.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5860.0	0.0	5860.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	1.8
10°-20°	318.2	5.4
20°-30°	555.3	9.5
30°-40°	910.5	15.5
40°-50°	1341.0	22.9
50°-60°	1711.3	29.2
60°-70°	721.2	12.3
70°-80°	172.3	2.9
80°-90°	23.5	0.4
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°	5860.0	100.0
0°-180°	5860.0	100.0

Coefficient of Utilization



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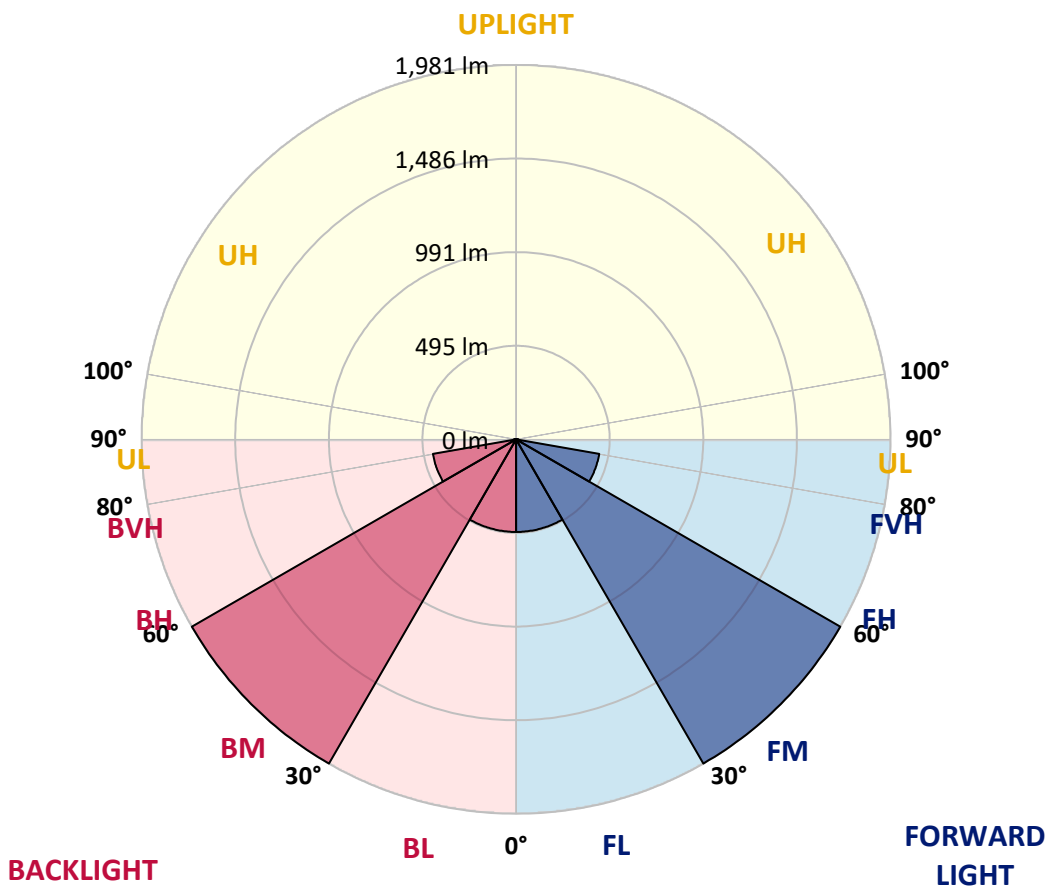
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.1	8.4			
FM (30°-60°)	1981.4	33.8			
FH (60°-80°)	446.8	7.6			G0/660
FVH (80°-90°)	11.7	0.2			G1/100
BL (0°-30°)	490.1	8.4	B1/500		
BM (30°-60°)	1981.4	33.8	B2/2500		
BH (60°-80°)	446.8	7.6	B1/500		G0/660
BVH (80°-90°)	11.7	0.2			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°	1121.2	1121.2	1121.2	1121.2	1121.2	1121.2	1121.2	1121.2	1121.2	1121.2	1121.2
2.5°	1114.5	1114.5	1116.9	1119.3	1120.3	1124.6	1124.1	1122.7	1121.7	1118.8	1122.7
5°	1116.9	1116.9	1118.8	1120.3	1119.8	1123.2	1121.7	1119.3	1117.9	1115.0	1119.3
7.5°	1116.4	1116.4	1117.9	1119.3	1118.4	1121.2	1118.8	1115.5	1113.1	1110.2	1114.0
10°	1110.2	1111.2	1112.6	1116.0	1117.4	1121.7	1118.4	1113.1	1109.2	1105.9	1109.7
12.5°	1109.2	1110.2	1112.1	1116.4	1118.8	1125.1	1120.8	1112.1	1106.4	1102.1	1105.9
15°	1113.6	1114.5	1117.4	1122.7	1126.5	1133.2	1127.0	1115.0	1106.9	1101.1	1104.5
17.5°	1118.8	1120.3	1124.6	1132.3	1138.5	1145.7	1138.0	1123.6	1112.1	1104.5	1107.3
20°	1124.6	1126.5	1133.2	1144.8	1156.3	1165.4	1155.8	1136.6	1122.7	1112.6	1115.5
22.5°	1134.7	1137.1	1145.7	1162.0	1179.3	1192.7	1180.7	1154.8	1136.6	1123.6	1126.0
25°	1155.3	1158.2	1169.2	1188.9	1213.4	1229.7	1212.9	1183.6	1158.2	1142.4	1144.8
27.5°	1191.8	1193.2	1207.6	1233.5	1263.7	1282.4	1262.3	1227.8	1199.4	1181.2	1183.1
30°	1239.7	1244.1	1258.5	1292.5	1328.5	1353.5	1327.1	1286.3	1253.7	1231.6	1233.5
32.5°	1298.3	1301.2	1322.8	1358.3	1410.1	1438.9	1402.9	1354.4	1315.1	1288.2	1290.1
35°	1375.0	1377.4	1398.1	1443.2	1506.0	1532.9	1491.6	1436.0	1390.4	1365.0	1372.2
37.5°	1466.7	1471.0	1485.9	1530.5	1600.5	1626.9	1579.4	1527.6	1480.1	1456.6	1461.9
40°	1565.0	1564.6	1576.6	1615.9	1679.7	1696.0	1653.3	1612.1	1571.3	1555.9	1564.6
42.5°	1649.5	1647.1	1655.7	1688.3	1732.5	1733.9	1705.6	1682.6	1653.8	1643.2	1651.4
45°	1708.5	1709.5	1722.4	1745.0	1767.5	1755.5	1746.9	1743.0	1720.5	1706.1	1707.5
47.5°	1755.0	1758.9	1779.5	1794.9	1797.7	1777.6	1789.6	1795.3	1776.6	1754.6	1748.3
50°	1796.3	1802.5	1829.4	1845.7	1839.5	1814.0	1837.6	1846.2	1804.9	1762.7	1750.2
52.5°	1871.1	1878.3	1911.0	1932.1	1924.9	1899.4	1921.5	1890.8	1821.2	1769.4	1753.6
55°	1990.6	1994.0	2033.8	2068.3	2065.0	2033.8	2016.0	1947.9	1863.5	1809.7	1794.9
57.5°	1965.2	1970.9	2040.0	2132.1	2184.0	2155.6	2051.5	1935.4	1820.8	1756.0	1735.8
60°	1546.3	1560.2	1646.1	1808.3	1998.3	1997.8	1804.4	1624.1	1485.9	1400.0	1391.4
62.5°	902.9	912.5	990.7	1154.8	1325.2	1335.7	1199.9	1076.1	955.2	897.2	869.4
65°	427.5	427.0	458.2	532.1	647.2	656.3	615.6	547.9	476.4	456.7	451.5
67.5°	315.7	315.7	313.3	318.6	340.6	345.4	340.6	329.6	322.9	327.2	324.3
70°	274.0	274.4	271.6	270.1	270.1	268.7	270.6	274.9	277.8	283.5	280.7
72.5°	222.1	222.6	222.6	223.1	223.6	221.7	224.5	226.9	227.4	229.3	227.4
75°	157.8	158.8	161.7	164.1	166.0	166.0	167.0	167.4	165.5	167.9	164.1
77.5°	86.8	87.8	93.1	97.4	101.7	102.2	103.6	104.6	103.6	105.6	102.7
80°	48.0	48.9	51.3	53.3	56.6	59.5	61.4	62.4	62.4	63.8	62.4
82.5°	27.3	28.3	29.7	30.7	33.6	36.0	37.9	39.3	39.3	39.8	38.9
85°	13.0	13.0	13.9	14.9	16.3	17.3	19.7	21.1	21.1	22.1	21.1
87.5°	1.9	2.4	2.9	2.9	3.8	4.8	5.8	6.2	7.2	7.7	7.7
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)