

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: P631530

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631530
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-SA1F-830-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 5652.3 lumens
Efficiency: N/A
Efficacy: 84.1 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

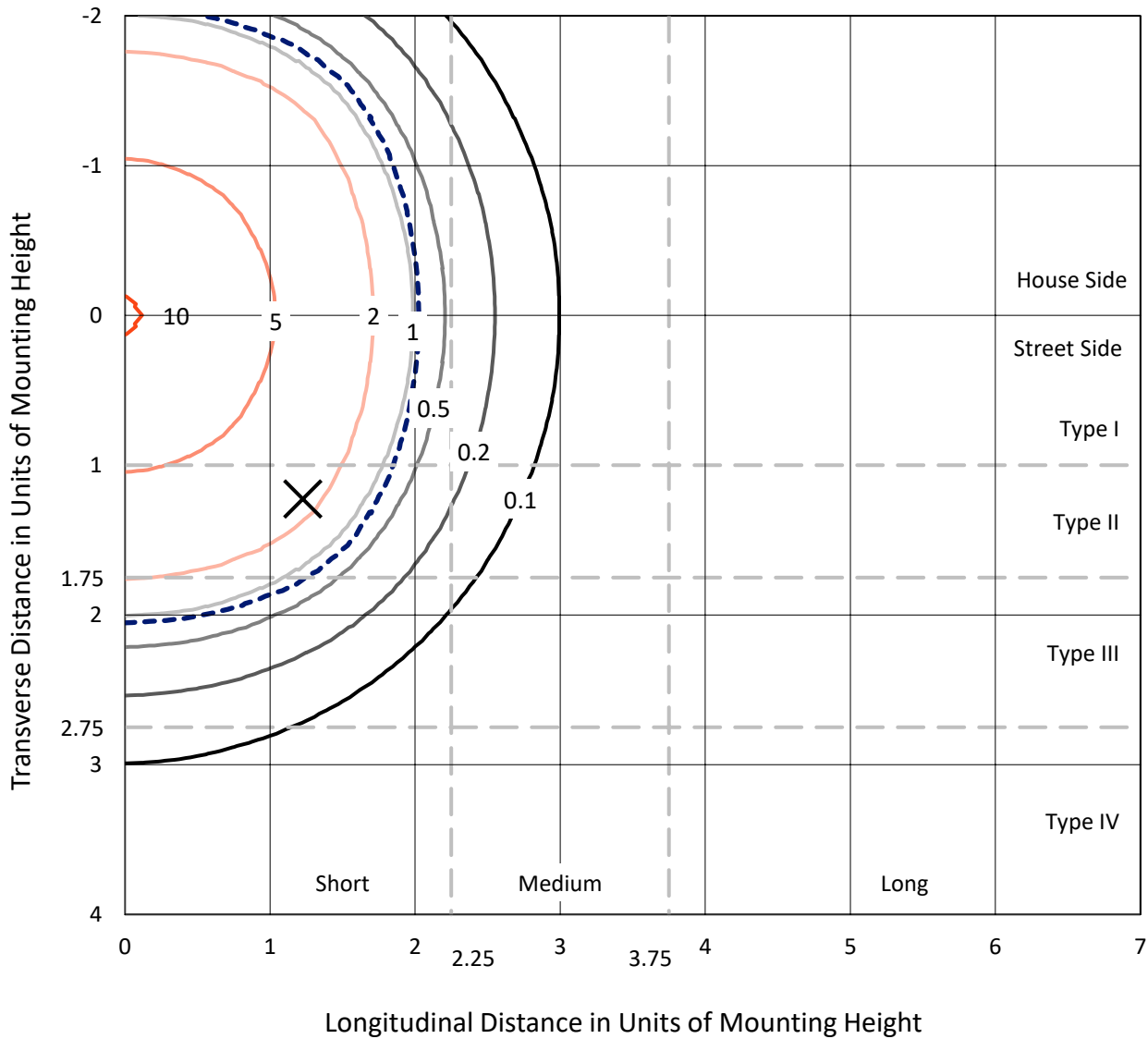
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

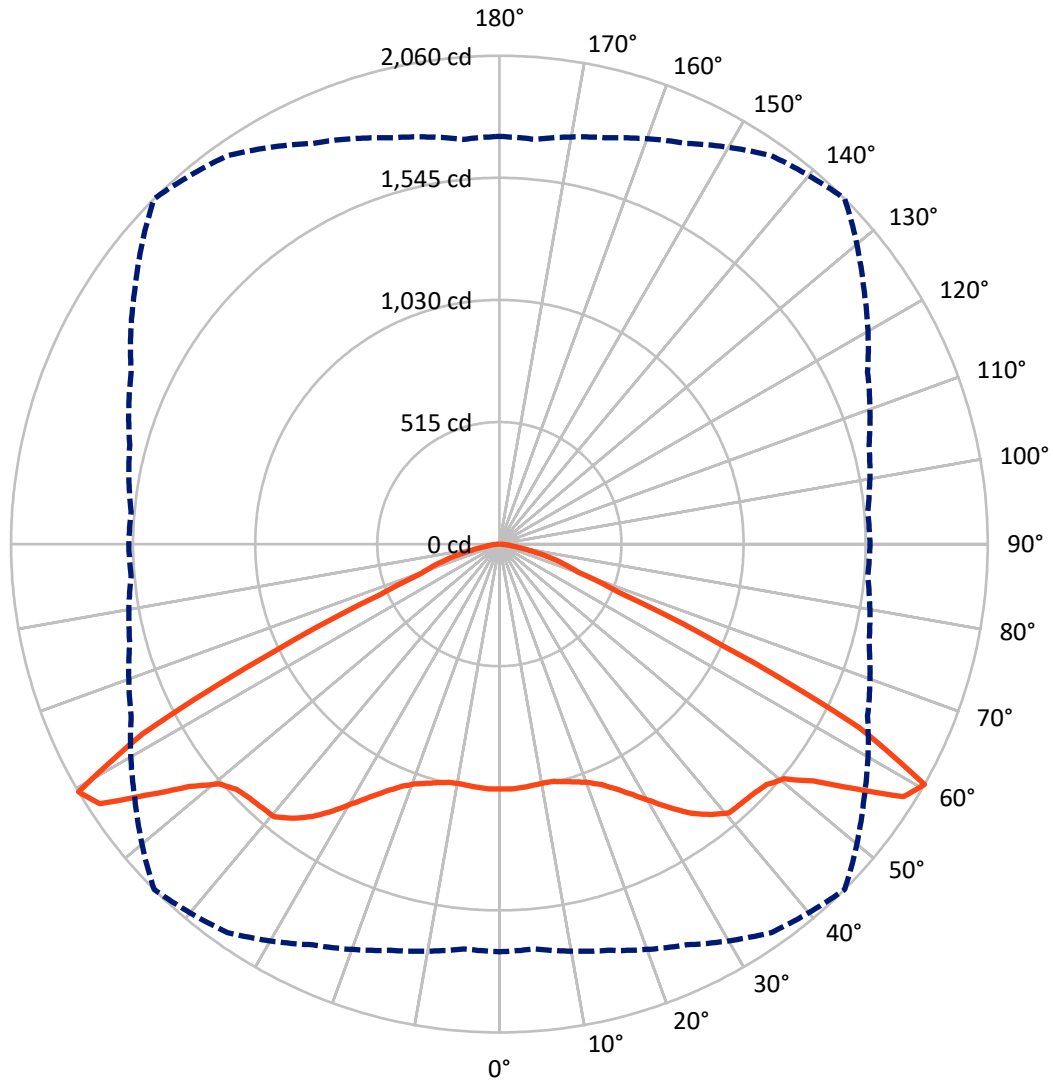
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 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	2826.1	0.0	2826.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2826.1	0.0	2826.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5652.3	0.0	5652.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	1.7
10°-20°	294.7	5.2
20°-30°	521.3	9.2
30°-40°	839.3	14.8
40°-50°	1153.6	20.4
50°-60°	1537.3	27.2
60°-70°	958.1	17.0
70°-80°	220.3	3.9
80°-90°	29.9	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°	5652.3	100.0
0°-180°	5652.3	100.0

Coefficient of Utilization



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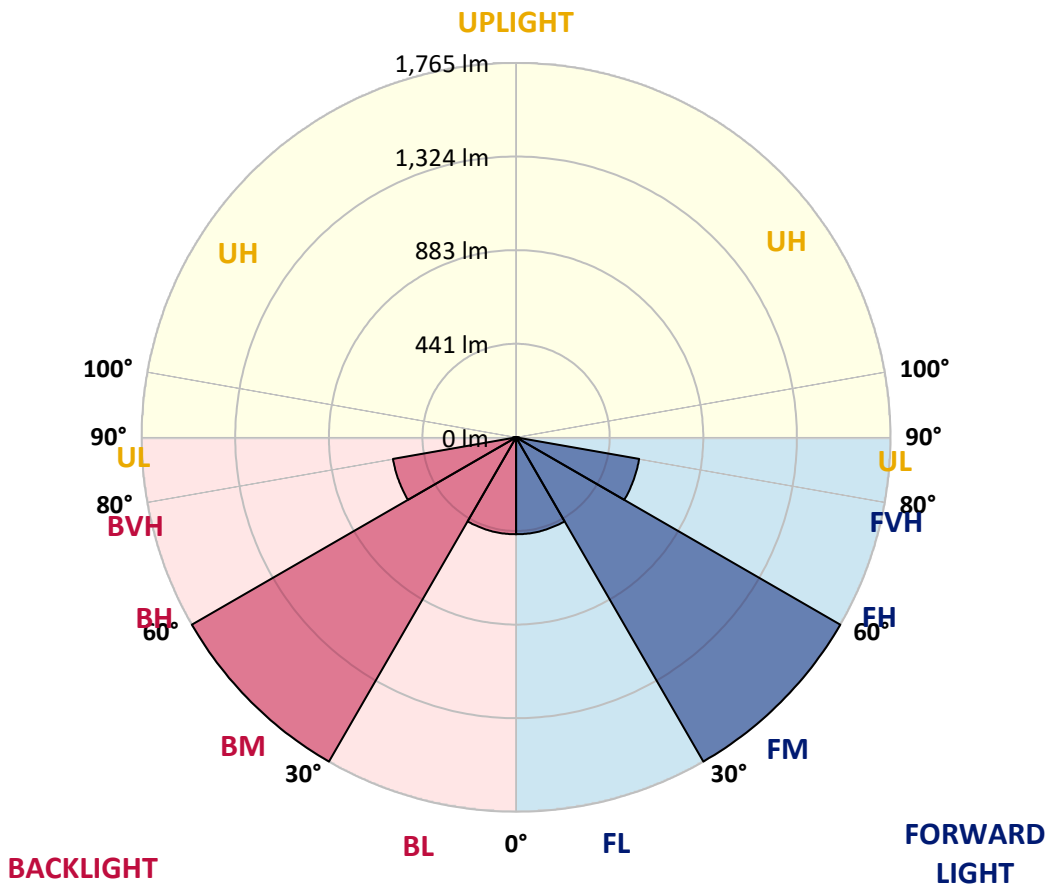
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	456.9	8.1			
FM (30°-60°)	1765.1	31.2			
FH (60°-80°)	589.2	10.4			G0/660
FVH (80°-90°)	14.9	0.3			G1/100
BL (0°-30°)	456.9	8.1	B1/500		
BM (30°-60°)	1765.1	31.2	B2/2500		
BH (60°-80°)	589.2	10.4	B2/1000		G0/660
BVH (80°-90°)	14.9	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°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9
2.5°	1025.8	1026.7	1028.6	1030.1	1032.0	1033.9	1034.9	1032.9	1032.0	1028.2	1032.5
5°	1026.7	1027.7	1029.1	1029.1	1029.6	1031.0	1031.0	1028.6	1026.2	1021.9	1026.7
7.5°	1025.3	1026.2	1026.7	1026.2	1026.7	1027.2	1026.2	1023.4	1021.0	1017.1	1021.0
10°	1022.9	1023.8	1024.8	1023.8	1022.9	1024.3	1024.3	1022.4	1021.0	1017.1	1021.4
12.5°	1028.2	1029.6	1030.1	1027.7	1026.7	1027.2	1027.2	1025.3	1025.3	1021.9	1026.7
15°	1040.6	1041.6	1040.1	1037.3	1037.7	1039.2	1035.8	1031.0	1030.1	1028.6	1032.5
17.5°	1050.2	1051.2	1049.7	1047.8	1051.2	1054.5	1048.3	1039.2	1036.3	1035.3	1039.7
20°	1060.8	1062.2	1060.3	1062.7	1069.4	1073.3	1065.6	1053.1	1047.3	1045.9	1051.2
22.5°	1078.0	1080.0	1080.0	1085.2	1095.3	1101.6	1092.0	1075.2	1066.5	1064.1	1069.4
25°	1105.4	1106.8	1108.3	1118.8	1135.1	1143.8	1128.4	1105.4	1093.4	1089.6	1092.4
27.5°	1143.3	1145.7	1148.1	1163.4	1183.6	1196.1	1174.0	1145.2	1130.3	1122.7	1128.4
30°	1188.4	1191.8	1197.5	1214.8	1243.1	1257.0	1228.7	1193.7	1176.9	1168.7	1176.4
32.5°	1249.8	1250.3	1254.6	1273.8	1311.2	1327.1	1291.5	1252.7	1235.4	1225.8	1230.1
35°	1322.7	1323.2	1316.5	1336.2	1376.5	1394.2	1352.5	1313.1	1298.7	1295.9	1306.9
37.5°	1397.6	1393.3	1386.5	1395.2	1436.0	1447.5	1403.3	1369.7	1363.5	1368.8	1385.1
40°	1450.8	1443.6	1430.2	1436.4	1477.7	1491.1	1444.1	1412.4	1410.5	1423.5	1443.2
42.5°	1485.4	1477.7	1461.9	1461.9	1490.2	1495.9	1459.5	1442.7	1447.0	1461.9	1480.6
45°	1502.2	1497.8	1488.7	1483.9	1499.8	1502.2	1474.3	1467.6	1475.8	1483.0	1497.4
47.5°	1515.1	1515.1	1512.2	1507.4	1514.6	1516.1	1495.5	1493.5	1504.1	1504.1	1513.7
50°	1538.1	1540.5	1544.4	1543.4	1551.1	1555.9	1540.5	1537.7	1542.0	1528.1	1532.9
52.5°	1598.6	1604.8	1615.9	1624.5	1644.2	1659.1	1631.7	1608.7	1586.1	1555.4	1556.4
55°	1707.0	1709.9	1731.5	1756.9	1790.0	1820.3	1764.1	1692.6	1643.7	1607.7	1608.2
57.5°	1798.7	1803.0	1834.6	1887.9	1962.3	2009.3	1885.0	1765.6	1696.5	1652.3	1653.8
60°	1719.5	1713.7	1773.7	1864.9	1999.7	2059.7	1876.4	1713.3	1614.0	1559.3	1563.1
62.5°	1330.4	1319.4	1386.1	1481.5	1643.2	1703.2	1534.3	1377.9	1283.9	1241.2	1234.9
65°	809.9	799.8	847.8	906.3	1015.7	1053.6	976.3	893.3	811.3	785.4	778.2
67.5°	440.9	439.5	452.4	481.2	529.2	546.9	532.1	492.7	471.6	453.4	453.4
70°	349.8	346.9	344.5	345.0	349.3	351.7	352.2	350.2	352.6	353.1	351.2
72.5°	289.8	288.8	284.0	284.5	282.6	281.6	285.0	286.9	290.7	291.2	291.2
75°	210.1	207.7	210.1	210.6	208.7	208.7	211.1	210.6	212.5	213.5	208.2
77.5°	119.5	119.5	122.8	126.7	129.5	129.5	131.9	131.9	134.3	133.9	132.9
80°	65.7	65.7	67.6	70.0	72.9	75.8	78.2	78.7	80.1	79.6	78.2
82.5°	37.4	37.9	38.9	40.3	43.2	45.6	48.0	48.5	49.9	49.9	48.5
85°	17.8	17.3	17.8	18.7	20.2	22.1	24.5	25.9	26.9	26.9	25.9
87.5°	3.4	3.8	3.4	3.8	4.3	5.8	6.7	7.7	9.1	9.6	8.6
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)