

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: P631084

Luminaire Tested: GWS-SA1F-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631084
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5433.7 lumens
Efficiency: N/A
Efficacy: 80.9 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

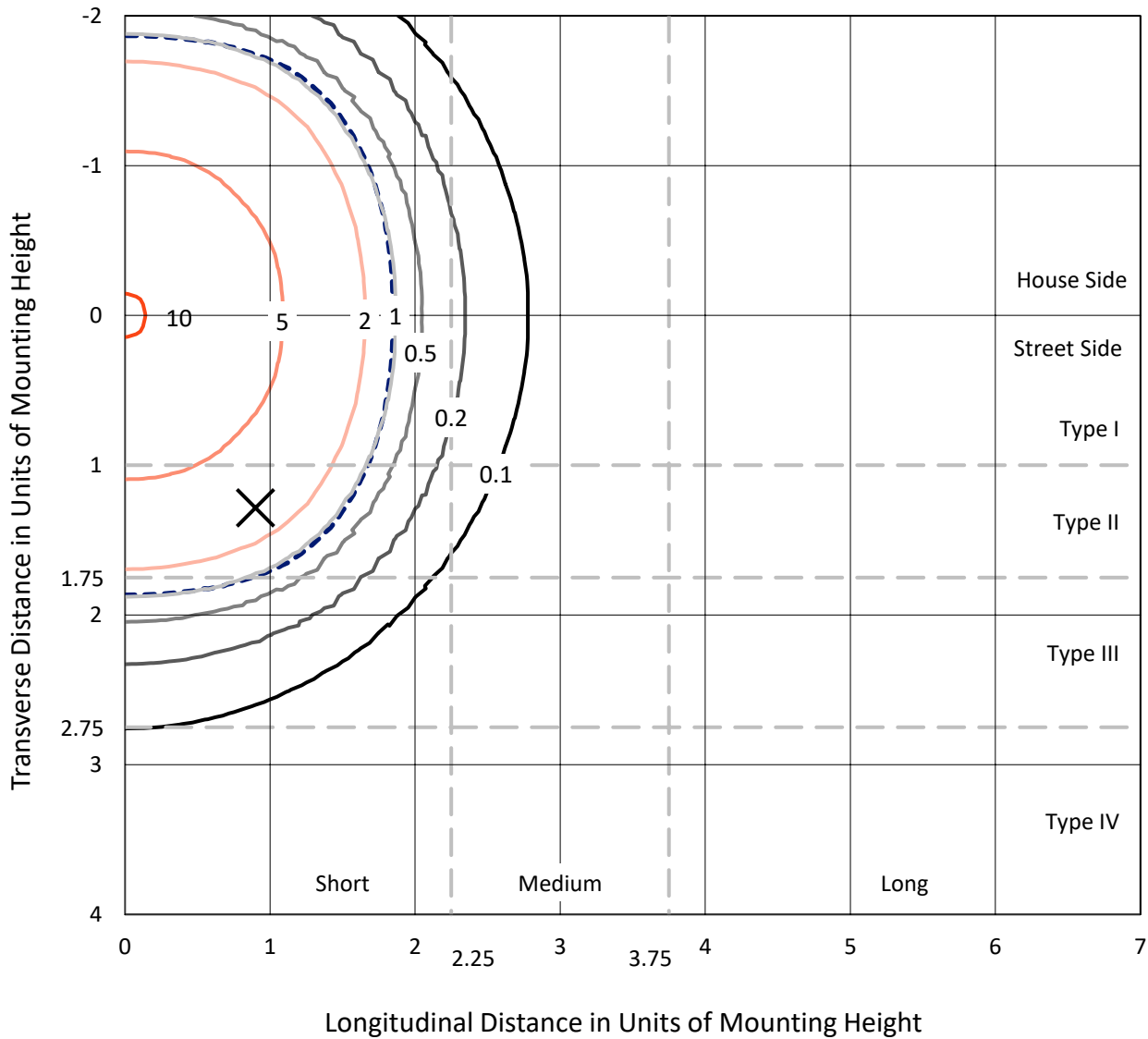


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Iso-Footcandle Lines of Horizontal Illumination

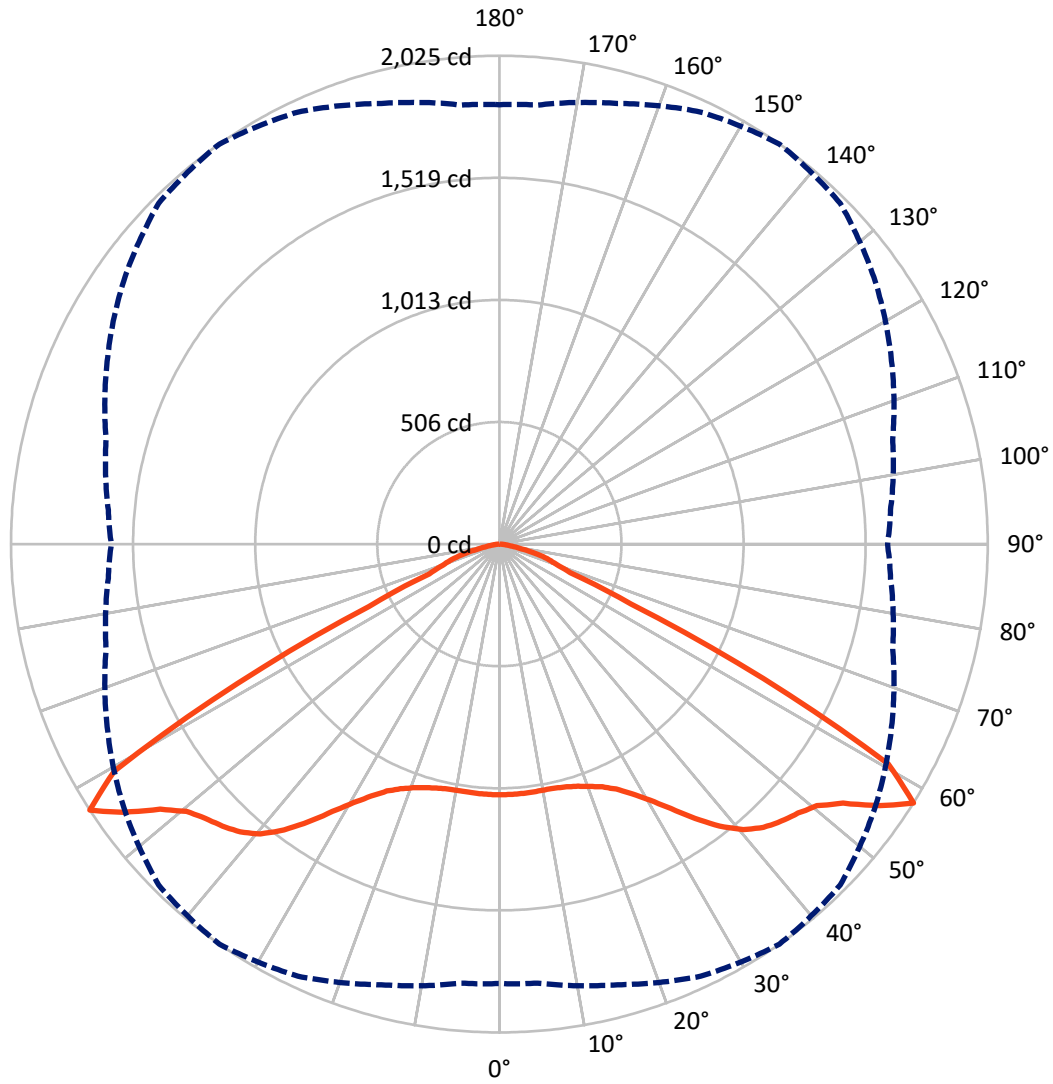
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 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	2716.8	0.0	2716.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2716.8	0.0	2716.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5433.7	0.0	5433.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	1.8
10°-20°	295.1	5.4
20°-30°	514.9	9.5
30°-40°	844.3	15.5
40°-50°	1243.4	22.9
50°-60°	1586.8	29.2
60°-70°	668.8	12.3
70°-80°	159.8	2.9
80°-90°	21.7	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°	5433.7	100.0
0°-180°	5433.7	100.0

Coefficient of Utilization



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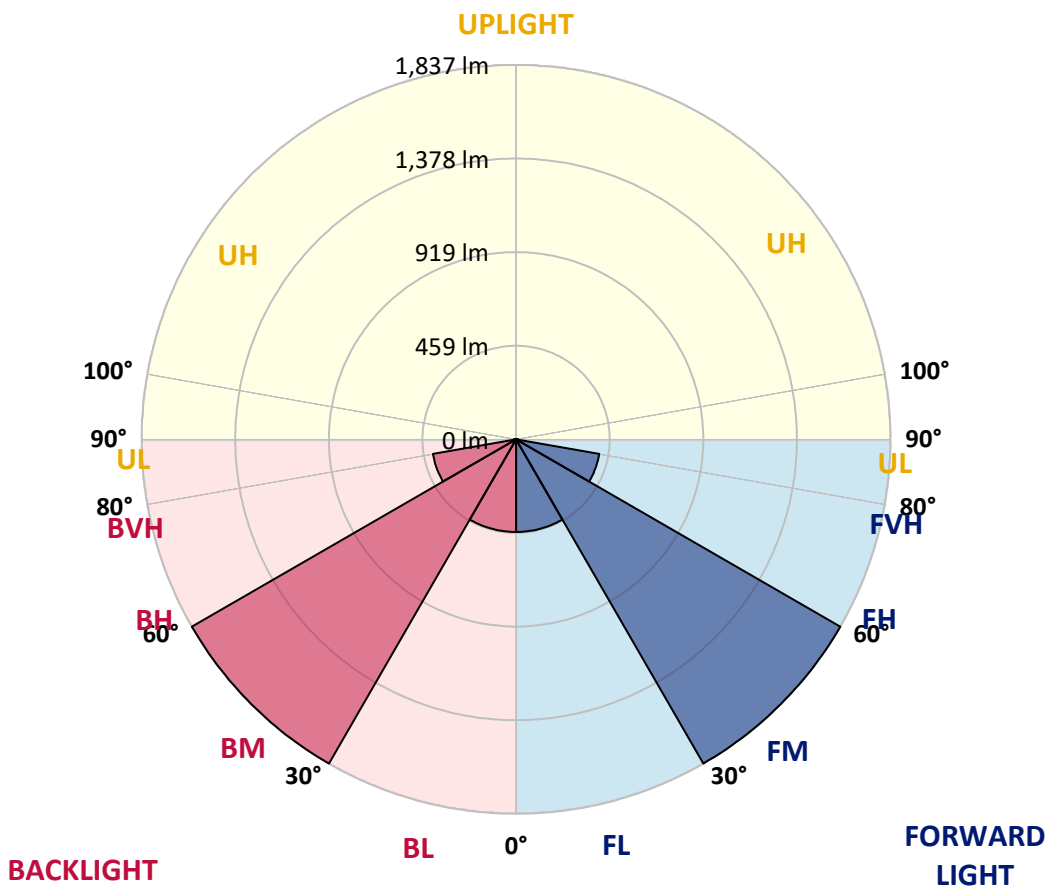
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	454.4	8.4			
FM (30°-60°)	1837.3	33.8			
FH (60°-80°)	414.3	7.6			G0/660
FVH (80°-90°)	10.9	0.2			G1/100
BL (0°-30°)	454.4	8.4	B1/500		
BM (30°-60°)	1837.3	33.8	B2/2500		
BH (60°-80°)	414.3	7.6	B1/500		G0/660
BVH (80°-90°)	10.9	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°	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7
2.5°	1033.4	1033.4	1035.7	1037.9	1038.8	1042.8	1042.3	1041.0	1040.1	1037.5	1041.0
5°	1035.7	1035.7	1037.5	1038.8	1038.3	1041.5	1040.1	1037.9	1036.6	1033.9	1037.9
7.5°	1035.2	1035.2	1036.6	1037.9	1037.0	1039.7	1037.5	1034.3	1032.1	1029.4	1033.0
10°	1029.4	1030.3	1031.7	1034.8	1036.1	1040.1	1037.0	1032.1	1028.6	1025.4	1029.0
12.5°	1028.6	1029.4	1031.2	1035.2	1037.5	1043.2	1039.2	1031.2	1025.9	1021.9	1025.4
15°	1032.6	1033.4	1036.1	1041.0	1044.6	1050.8	1045.0	1033.9	1026.3	1021.0	1024.1
17.5°	1037.5	1038.8	1042.8	1049.9	1055.7	1062.4	1055.2	1041.9	1031.2	1024.1	1026.8
20°	1042.8	1044.6	1050.8	1061.5	1072.2	1080.6	1071.7	1053.9	1041.0	1031.7	1034.3
22.5°	1052.1	1054.4	1062.4	1077.5	1093.5	1106.0	1094.8	1070.8	1053.9	1041.9	1044.1
25°	1071.3	1073.9	1084.2	1102.4	1125.1	1140.2	1124.6	1097.5	1073.9	1059.3	1061.5
27.5°	1105.1	1106.4	1119.8	1143.8	1171.8	1189.2	1170.5	1138.4	1112.2	1095.3	1097.1
30°	1149.6	1153.6	1166.9	1198.5	1231.9	1255.0	1230.5	1192.7	1162.5	1142.0	1143.8
32.5°	1203.8	1206.5	1226.5	1259.4	1307.5	1334.2	1300.8	1255.9	1219.4	1194.5	1196.3
35°	1275.0	1277.2	1296.4	1338.2	1396.5	1421.4	1383.1	1331.5	1289.3	1265.7	1272.3
37.5°	1360.0	1364.0	1377.8	1419.2	1484.1	1508.6	1464.5	1416.5	1372.4	1350.6	1355.5
40°	1451.2	1450.7	1461.9	1498.3	1557.5	1572.6	1533.0	1494.8	1457.0	1442.7	1450.7
42.5°	1529.5	1527.3	1535.3	1565.5	1606.4	1607.8	1581.5	1560.2	1533.5	1523.7	1531.3
45°	1584.2	1585.1	1597.1	1618.0	1638.9	1627.8	1619.8	1616.2	1595.3	1582.0	1583.3
47.5°	1627.4	1630.9	1650.0	1664.3	1667.0	1648.3	1659.4	1664.7	1647.4	1626.9	1621.1
50°	1665.6	1671.4	1696.3	1711.4	1705.7	1682.1	1703.9	1711.9	1673.6	1634.5	1622.9
52.5°	1735.0	1741.7	1771.9	1791.5	1784.8	1761.3	1781.7	1753.3	1688.8	1640.7	1626.0
55°	1845.8	1848.9	1885.8	1917.9	1914.7	1885.8	1869.4	1806.2	1727.9	1678.1	1664.3
57.5°	1822.2	1827.6	1891.6	1977.0	2025.1	1998.8	1902.3	1794.6	1688.3	1628.2	1609.6
60°	1433.8	1446.7	1526.4	1676.7	1852.9	1852.5	1673.2	1505.9	1377.8	1298.1	1290.1
62.5°	837.3	846.2	918.7	1070.8	1228.7	1238.5	1112.6	997.9	885.7	831.9	806.1
65°	396.4	395.9	424.9	493.4	600.1	608.6	570.8	508.0	441.8	423.5	418.6
67.5°	292.7	292.7	290.5	295.4	315.9	320.3	315.9	305.6	299.4	303.4	300.7
70°	254.0	254.5	251.8	250.5	250.5	249.1	250.9	254.9	257.6	262.9	260.3
72.5°	206.0	206.4	206.4	206.9	207.3	205.5	208.2	210.4	210.9	212.7	210.9
75°	146.4	147.3	149.9	152.1	153.9	153.9	154.8	155.3	153.5	155.7	152.1
77.5°	80.5	81.4	86.3	90.3	94.3	94.8	96.1	97.0	96.1	97.9	95.2
80°	44.5	45.4	47.6	49.4	52.5	55.2	56.9	57.8	57.8	59.2	57.8
82.5°	25.4	26.2	27.6	28.5	31.1	33.4	35.1	36.5	36.5	36.9	36.0
85°	12.0	12.0	12.9	13.8	15.1	16.0	18.2	19.6	19.6	20.5	19.6
87.5°	1.8	2.2	2.7	2.7	3.6	4.4	5.3	5.8	6.7	7.1	7.1
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)