

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: P630369

Luminaire Tested: GWS-SA1D-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630369
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-SA1D-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5431 lumens
Efficiency: N/A
Efficacy: 122.6 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

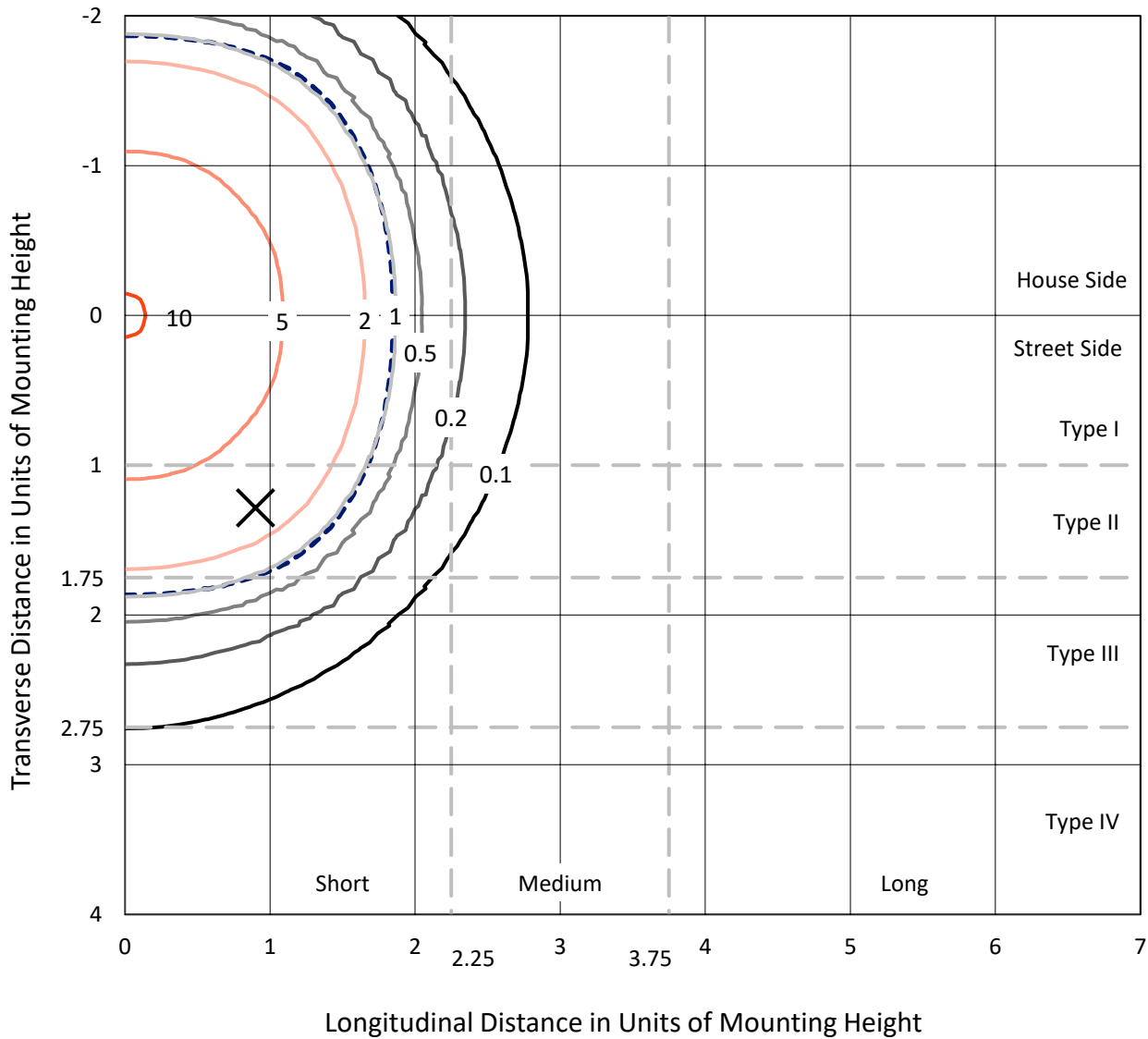
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

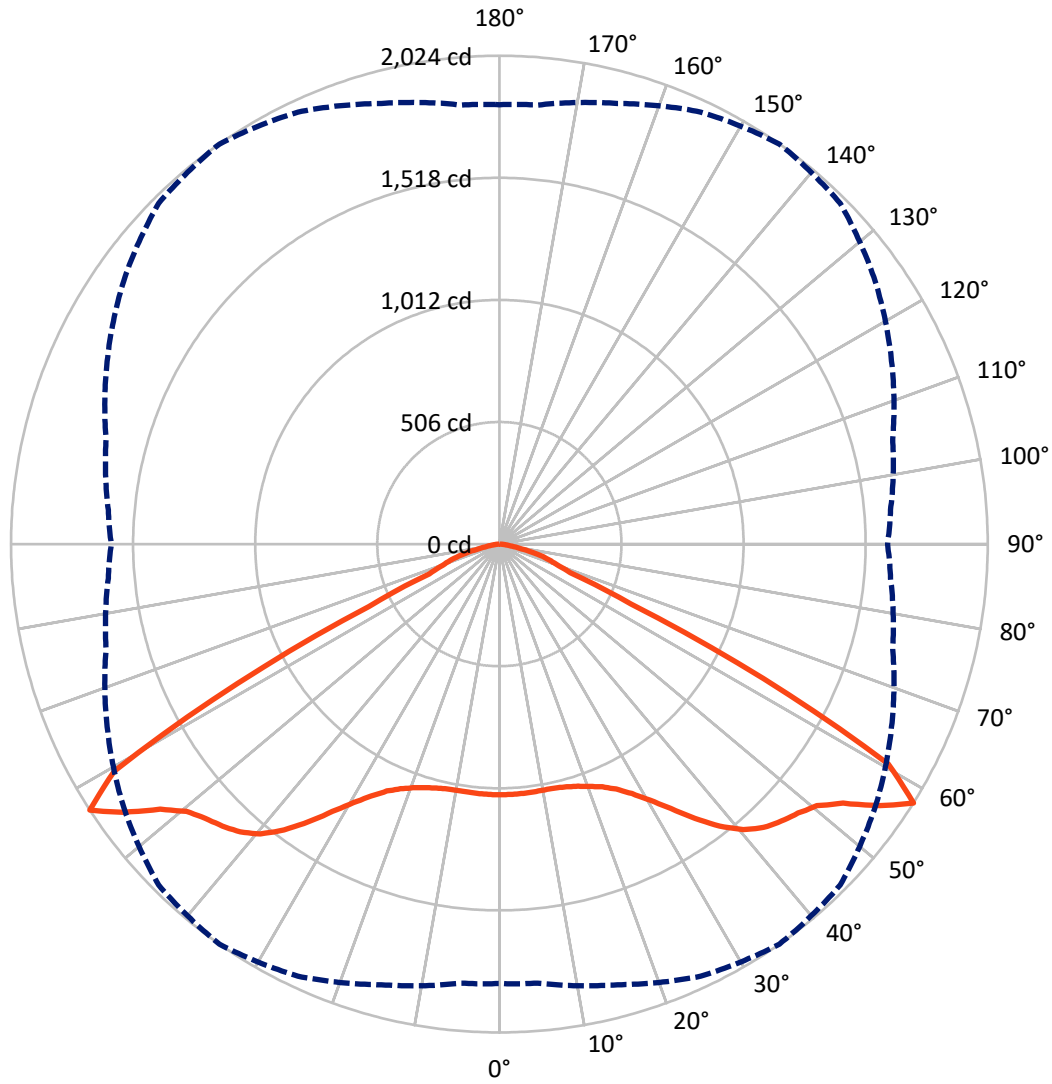
✕ Max cd
 - - - 1/2 Max cd



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	2715.5	0.0	2715.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2715.5	0.0	2715.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5431.0	0.0	5431.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	1.8
10°-20°	294.9	5.4
20°-30°	514.6	9.5
30°-40°	843.9	15.5
40°-50°	1242.8	22.9
50°-60°	1586.0	29.2
60°-70°	668.4	12.3
70°-80°	159.7	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°	5431.0	100.0
0°-180°	5431.0	100.0

Coefficient of Utilization



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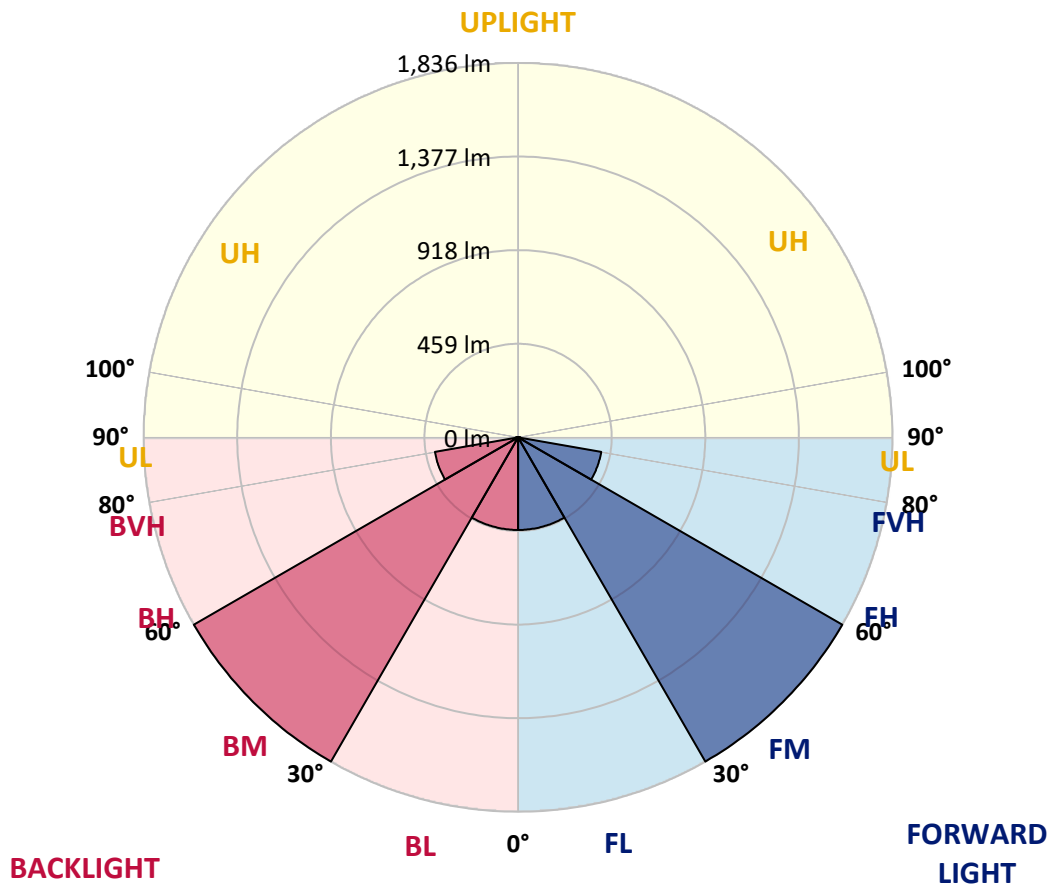
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	454.2	8.4			
FM (30°-60°)	1836.4	33.8			
FH (60°-80°)	414.1	7.6			G0/660
FVH (80°-90°)	10.9	0.2			G1/100
BL (0°-30°)	454.2	8.4	B1/500		
BM (30°-60°)	1836.4	33.8	B2/2500		
BH (60°-80°)	414.1	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°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
2.5°	1032.9	1032.9	1035.2	1037.4	1038.3	1042.3	1041.8	1040.5	1039.6	1036.9	1040.5
5°	1035.2	1035.2	1036.9	1038.3	1037.8	1040.9	1039.6	1037.4	1036.0	1033.4	1037.4
7.5°	1034.7	1034.7	1036.0	1037.4	1036.5	1039.2	1036.9	1033.8	1031.6	1028.9	1032.5
10°	1028.9	1029.8	1031.2	1034.3	1035.6	1039.6	1036.5	1031.6	1028.0	1024.9	1028.5
12.5°	1028.0	1028.9	1030.7	1034.7	1036.9	1042.7	1038.7	1030.7	1025.4	1021.4	1024.9
15°	1032.0	1032.9	1035.6	1040.5	1044.1	1050.3	1044.5	1033.4	1025.8	1020.5	1023.6
17.5°	1036.9	1038.3	1042.3	1049.4	1055.2	1061.8	1054.7	1041.4	1030.7	1023.6	1026.3
20°	1042.3	1044.1	1050.3	1060.9	1071.6	1080.1	1071.2	1053.4	1040.5	1031.2	1033.8
22.5°	1051.6	1053.8	1061.8	1077.0	1093.0	1105.4	1094.3	1070.3	1053.4	1041.4	1043.6
25°	1070.7	1073.4	1083.6	1101.9	1124.5	1139.7	1124.1	1097.0	1073.4	1058.7	1060.9
27.5°	1104.5	1105.9	1119.2	1143.2	1171.2	1188.6	1169.9	1137.9	1111.6	1094.7	1096.5
30°	1149.0	1153.0	1166.3	1197.9	1231.3	1254.4	1229.9	1192.1	1161.9	1141.4	1143.2
32.5°	1203.2	1205.9	1225.9	1258.8	1306.8	1333.5	1300.2	1255.3	1218.8	1193.9	1195.7
35°	1274.4	1276.6	1295.7	1337.5	1395.8	1420.7	1382.4	1330.9	1288.6	1265.0	1271.7
37.5°	1359.3	1363.3	1377.1	1418.5	1483.4	1507.8	1463.8	1415.8	1371.8	1350.0	1354.9
40°	1450.5	1450.0	1461.1	1497.6	1556.7	1571.9	1532.3	1494.0	1456.2	1442.0	1450.0
42.5°	1528.7	1526.5	1534.5	1564.7	1605.7	1607.0	1580.7	1559.4	1532.7	1522.9	1530.5
45°	1583.4	1584.3	1596.3	1617.2	1638.1	1627.0	1619.0	1615.4	1594.5	1581.2	1582.5
47.5°	1626.5	1630.1	1649.2	1663.5	1666.1	1647.4	1658.6	1663.9	1646.6	1626.1	1620.3
50°	1664.8	1670.6	1695.5	1710.6	1704.8	1681.2	1703.0	1711.0	1672.8	1633.7	1622.1
52.5°	1734.2	1740.8	1771.1	1790.6	1784.0	1760.4	1780.8	1752.4	1687.9	1639.9	1625.2
55°	1844.9	1848.0	1884.9	1916.9	1913.8	1884.9	1868.4	1805.3	1727.0	1677.2	1663.5
57.5°	1821.3	1826.6	1890.7	1976.0	2024.1	1997.8	1901.3	1793.7	1687.5	1627.4	1608.8
60°	1433.1	1446.0	1525.6	1675.9	1852.0	1851.5	1672.3	1505.2	1377.1	1297.5	1289.5
62.5°	836.8	845.7	918.2	1070.3	1228.1	1237.9	1112.1	997.4	885.3	831.5	805.7
65°	396.2	395.7	424.6	493.1	599.8	608.3	570.5	507.8	441.5	423.3	418.4
67.5°	292.6	292.6	290.4	295.3	315.7	320.2	315.7	305.5	299.3	303.3	300.6
70°	253.9	254.3	251.7	250.3	250.3	249.0	250.8	254.8	257.5	262.8	260.1
72.5°	205.9	206.3	206.3	206.8	207.2	205.4	208.1	210.3	210.8	212.5	210.8
75°	146.3	147.2	149.8	152.1	153.9	153.9	154.7	155.2	153.4	155.6	152.1
77.5°	80.5	81.4	86.3	90.3	94.3	94.7	96.0	96.9	96.0	97.8	95.2
80°	44.5	45.4	47.6	49.4	52.5	55.1	56.9	57.8	57.8	59.1	57.8
82.5°	25.3	26.2	27.6	28.5	31.1	33.3	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)