

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: P631527

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-830-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 6067.3 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

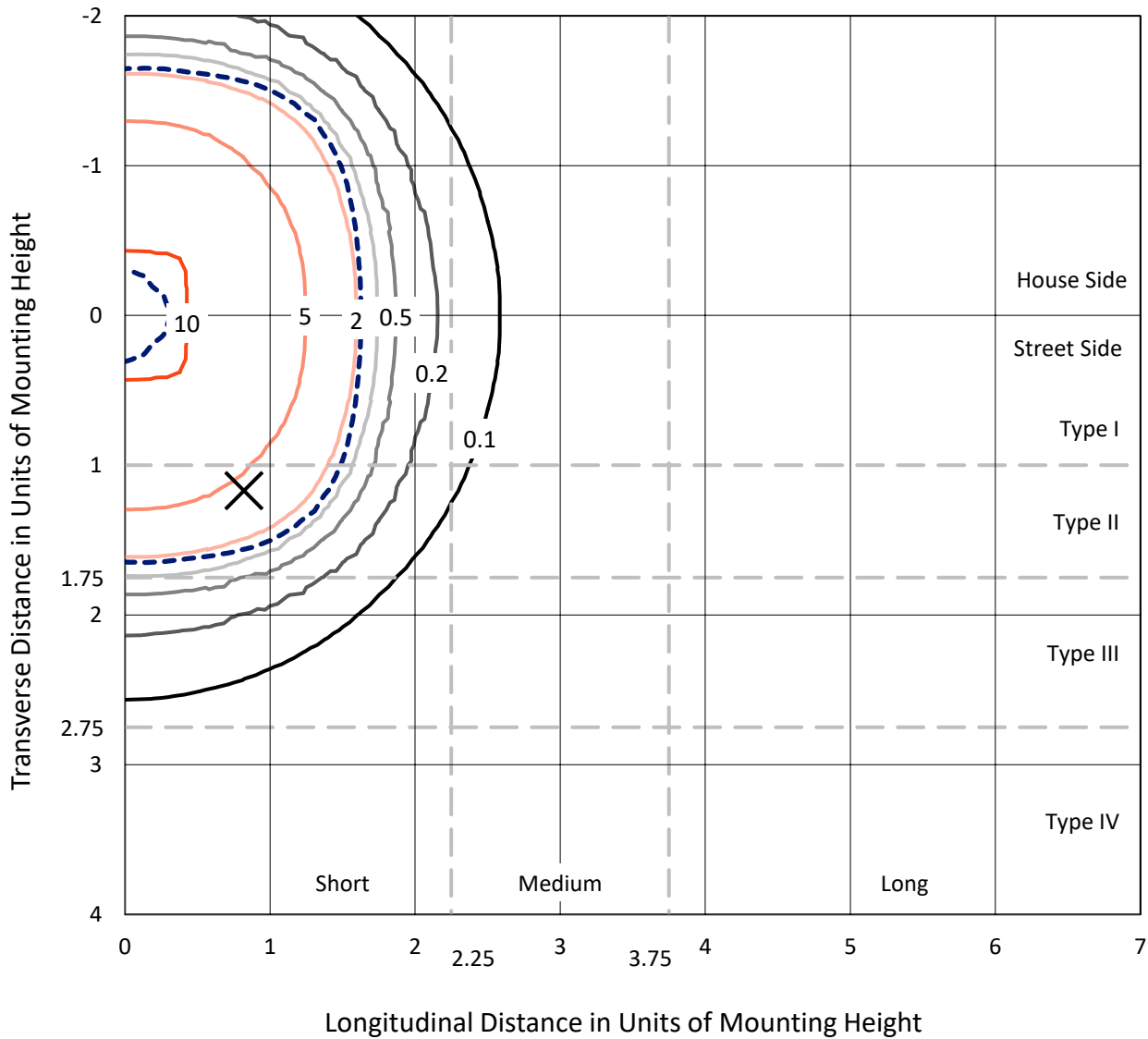
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

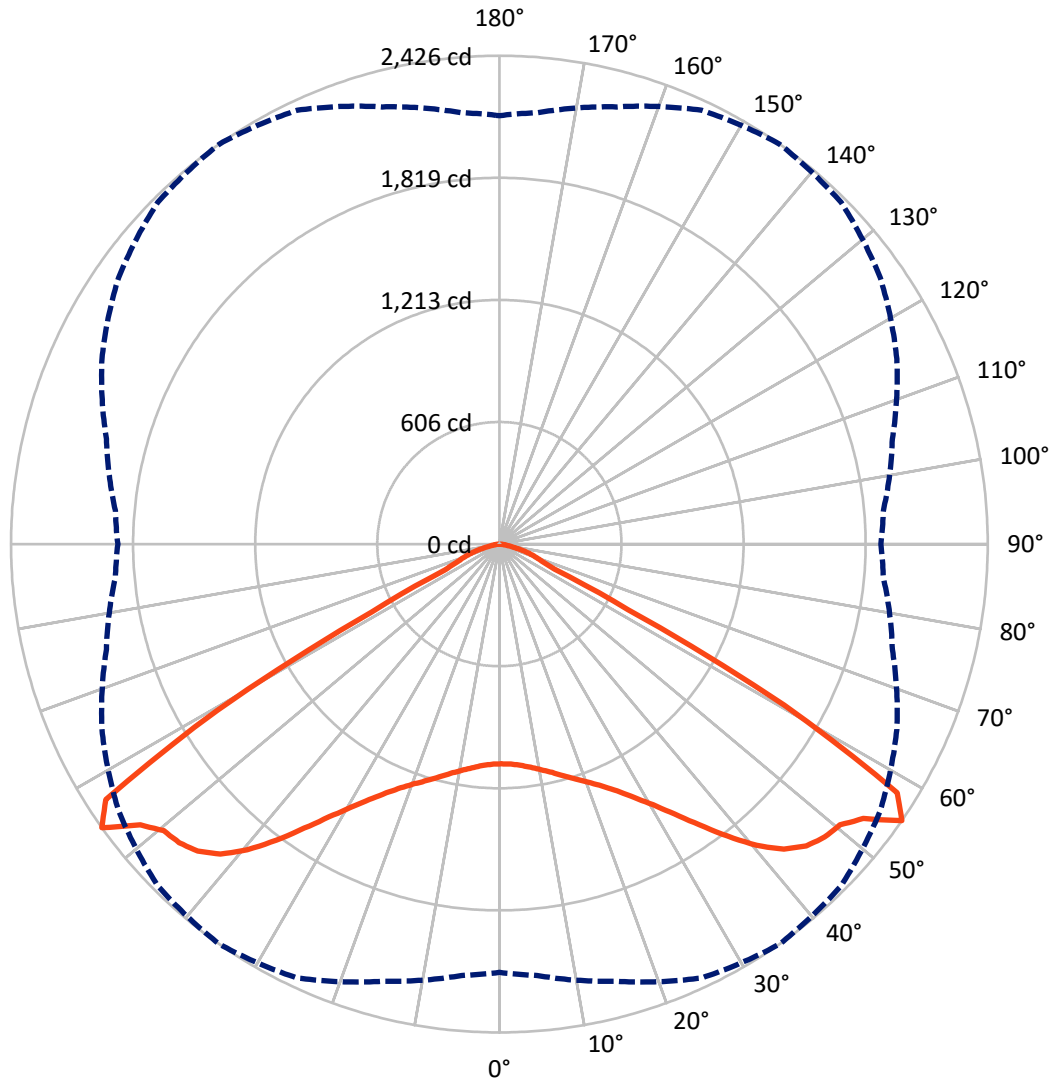
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3033.6	0.0	3033.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3033.6	0.0	3033.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6067.3	0.0	6067.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	1.8
10°-20°	339.0	5.6
20°-30°	627.3	10.3
30°-40°	1049.4	17.3
40°-50°	1599.1	26.4
50°-60°	1791.4	29.5
60°-70°	423.9	7.0
70°-80°	114.3	1.9
80°-90°	16.4	0.3
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°	6067.3	100.0
0°-180°	6067.3	100.0

Coefficient of Utilization



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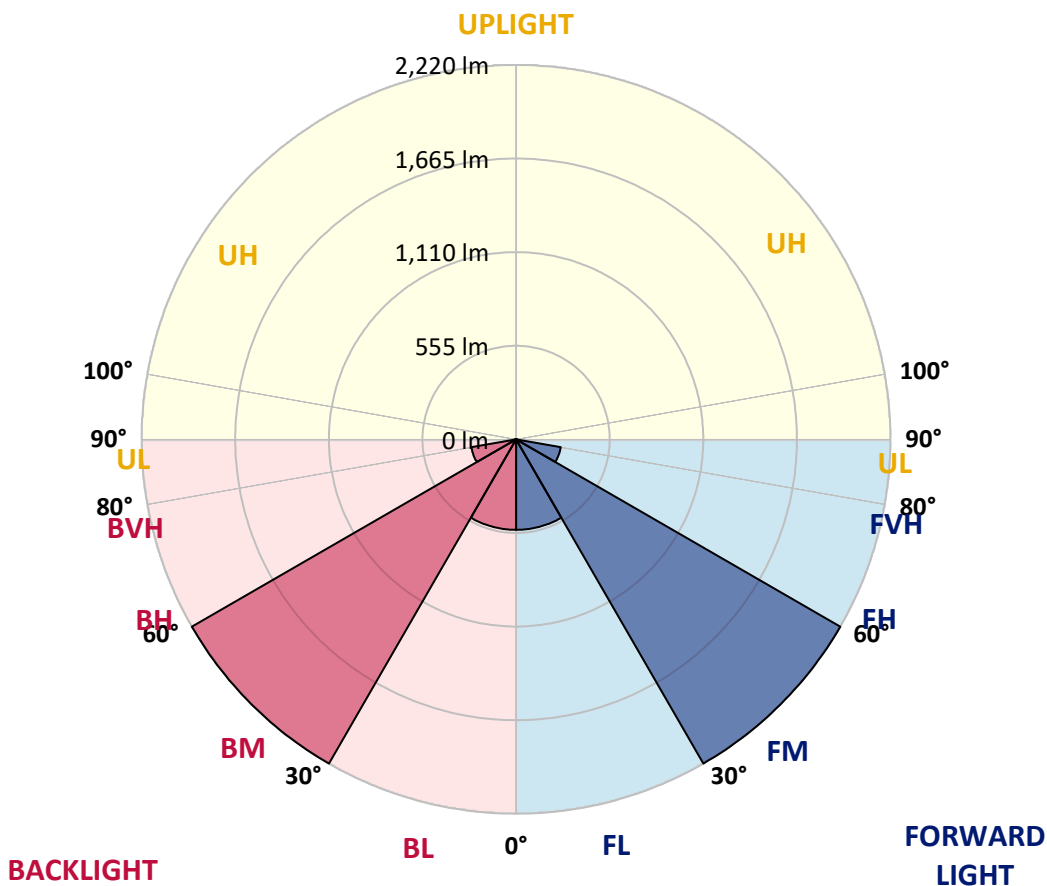
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.4	8.8			
FM (30°-60°)	2220.0	36.6			
FH (60°-80°)	269.1	4.4			G0/660
FVH (80°-90°)	8.2	0.1			G0/10
BL (0°-30°)	536.4	8.8	B2/1000		
BM (30°-60°)	2220.0	36.6	B2/2500		
BH (60°-80°)	269.1	4.4	B1/500		G0/660
BVH (80°-90°)	8.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1091.5	1091.5	1091.5	1091.5	1091.5	1091.5	1091.5	1091.5	1091.5	1091.5	1091.5
2.5°	1089.1	1089.1	1091.0	1093.4	1093.9	1098.7	1097.8	1095.8	1094.9	1093.0	1097.3
5°	1101.1	1101.6	1103.0	1104.5	1103.5	1107.4	1105.9	1103.5	1102.1	1099.7	1104.0
7.5°	1117.0	1117.0	1118.4	1120.3	1119.4	1125.1	1122.2	1118.9	1116.5	1113.6	1117.4
10°	1131.3	1132.3	1133.7	1137.6	1139.5	1145.7	1143.8	1139.0	1135.2	1131.8	1136.1
12.5°	1152.9	1153.9	1155.3	1160.6	1164.0	1170.2	1167.3	1160.6	1154.9	1150.1	1154.9
15°	1180.8	1179.8	1183.6	1190.4	1194.7	1200.4	1197.1	1185.6	1177.9	1171.6	1176.4
17.5°	1209.1	1208.6	1212.4	1221.1	1227.3	1235.0	1229.2	1215.8	1207.6	1200.0	1204.8
20°	1239.8	1241.2	1245.1	1253.2	1262.3	1272.4	1267.6	1253.2	1244.1	1235.5	1239.3
22.5°	1277.7	1278.2	1282.5	1293.0	1305.0	1314.6	1311.7	1294.0	1282.5	1273.4	1278.2
25°	1323.3	1322.8	1328.5	1341.0	1357.8	1367.4	1361.2	1341.5	1329.0	1318.5	1322.3
27.5°	1375.6	1375.1	1383.7	1400.0	1424.0	1437.5	1424.5	1400.0	1382.8	1367.9	1371.2
30°	1441.3	1439.9	1449.4	1471.5	1502.7	1525.3	1506.1	1472.0	1449.4	1433.6	1437.0
32.5°	1514.2	1516.1	1528.1	1557.9	1597.2	1626.5	1597.7	1559.8	1529.6	1506.5	1510.4
35°	1594.3	1594.3	1618.8	1655.8	1711.9	1750.8	1706.1	1651.4	1611.1	1579.5	1580.4
37.5°	1683.6	1684.5	1716.7	1767.5	1841.0	1886.5	1826.1	1758.4	1709.5	1675.4	1673.5
40°	1792.5	1795.4	1828.5	1885.1	1967.6	2009.4	1944.6	1878.4	1828.5	1788.2	1784.3
42.5°	1915.3	1916.3	1951.3	2002.2	2071.7	2096.7	2045.8	1991.6	1950.8	1914.4	1910.5
45°	2032.4	2030.0	2060.2	2098.1	2138.4	2140.8	2112.5	2090.4	2054.9	2023.8	2018.0
47.5°	2123.6	2121.6	2149.0	2169.6	2174.4	2150.9	2160.0	2163.4	2122.1	2079.9	2068.9
50°	2179.2	2183.0	2209.0	2220.5	2192.2	2153.8	2188.3	2179.7	2120.7	2065.5	2047.7
52.5°	2212.8	2218.6	2263.7	2292.9	2263.7	2227.2	2232.0	2181.1	2096.2	2023.3	2000.2
55°	2127.9	2150.9	2248.3	2377.8	2425.8	2400.4	2309.2	2178.2	2020.9	1914.8	1895.2
57.5°	1577.1	1613.5	1758.0	2038.6	2330.3	2422.9	2156.7	1826.1	1587.6	1451.4	1439.9
60°	805.1	845.9	961.5	1249.9	1625.1	1755.6	1502.2	1169.2	929.4	819.0	806.5
62.5°	328.7	335.4	373.3	484.6	718.2	828.6	727.8	511.0	383.8	353.6	354.1
65°	258.6	260.0	258.1	264.8	300.8	333.9	308.5	271.1	264.4	267.7	265.3
67.5°	225.5	226.0	224.5	224.5	226.0	224.5	227.4	228.9	229.8	233.7	231.3
70°	188.6	189.0	189.0	190.0	189.5	187.1	191.4	193.4	193.8	196.2	194.8
72.5°	145.9	147.3	148.3	148.7	148.3	146.8	149.2	152.6	152.1	154.5	152.1
75°	98.8	100.8	101.7	103.6	103.2	103.2	106.0	107.5	106.0	108.0	106.0
77.5°	56.1	57.6	60.5	62.4	64.3	65.7	67.7	68.6	68.1	69.1	68.1
80°	32.6	33.1	35.5	36.5	38.9	41.3	43.2	44.1	44.6	45.1	44.6
82.5°	18.7	19.2	20.2	21.1	23.0	24.9	26.9	28.3	28.3	28.8	28.3
85°	9.1	9.1	9.6	10.1	11.0	12.5	13.9	15.4	15.8	15.8	15.8
87.5°	1.4	1.4	1.9	1.9	2.4	2.9	3.8	4.8	5.3	5.3	5.3
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)