

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: P632077

Luminaire Tested: GWS-SA2C-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632077
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-SA2C-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6180.4 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

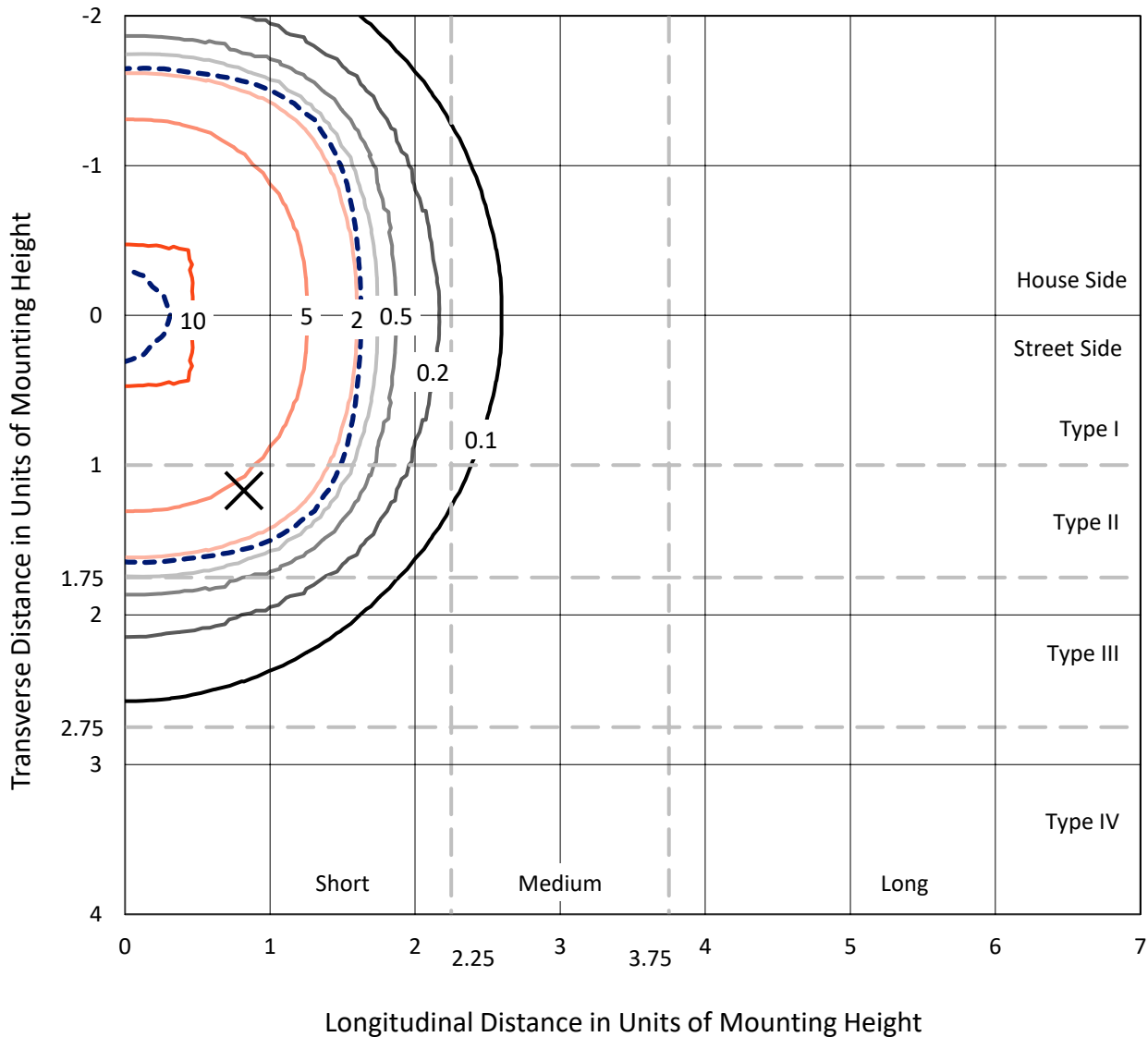
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

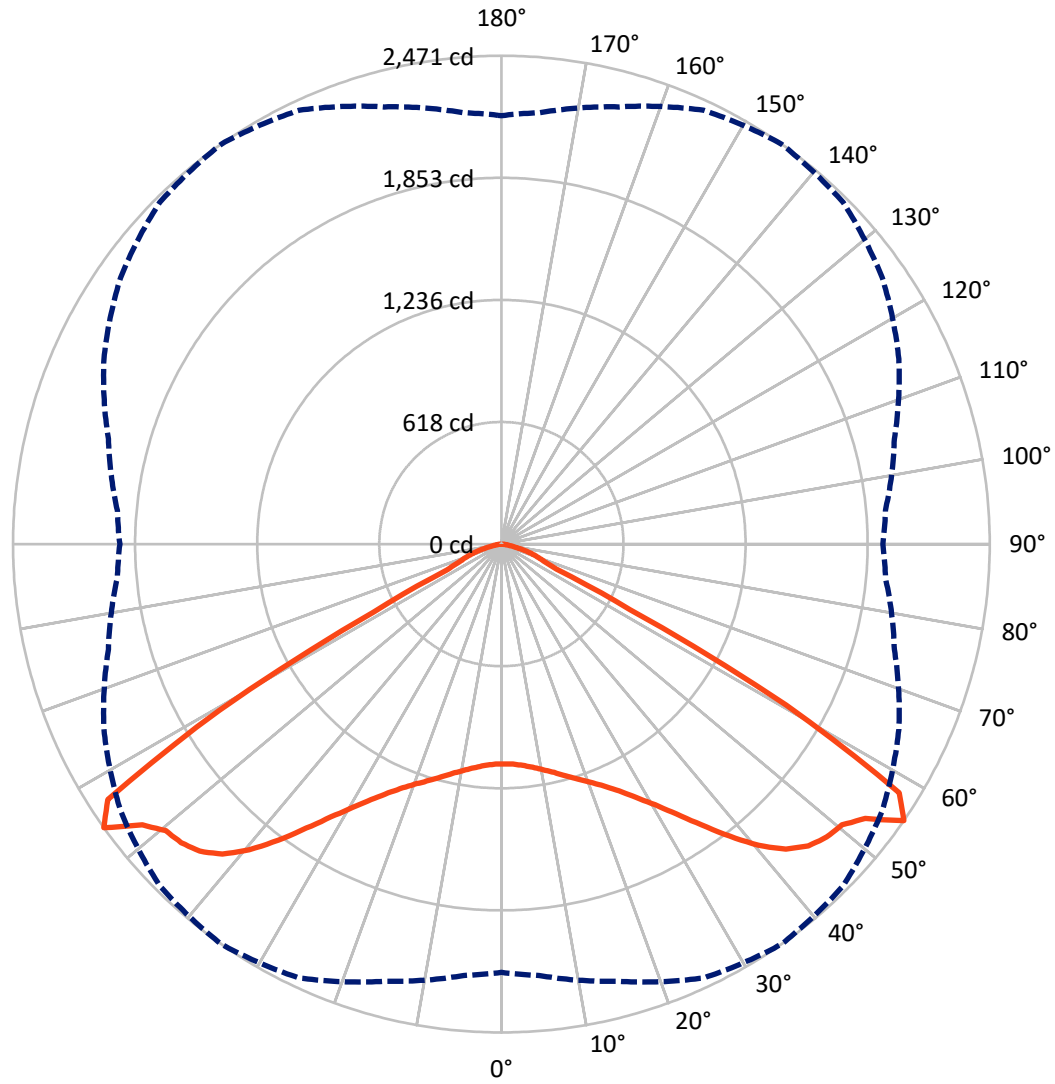
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 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	3090.2	0.0	3090.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3090.2	0.0	3090.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6180.4	0.0	6180.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	1.8
10°-20°	345.3	5.6
20°-30°	639.0	10.3
30°-40°	1069.0	17.3
40°-50°	1629.0	26.4
50°-60°	1824.8	29.5
60°-70°	431.8	7.0
70°-80°	116.4	1.9
80°-90°	16.8	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°	6180.4	100.0
0°-180°	6180.4	100.0

Coefficient of Utilization



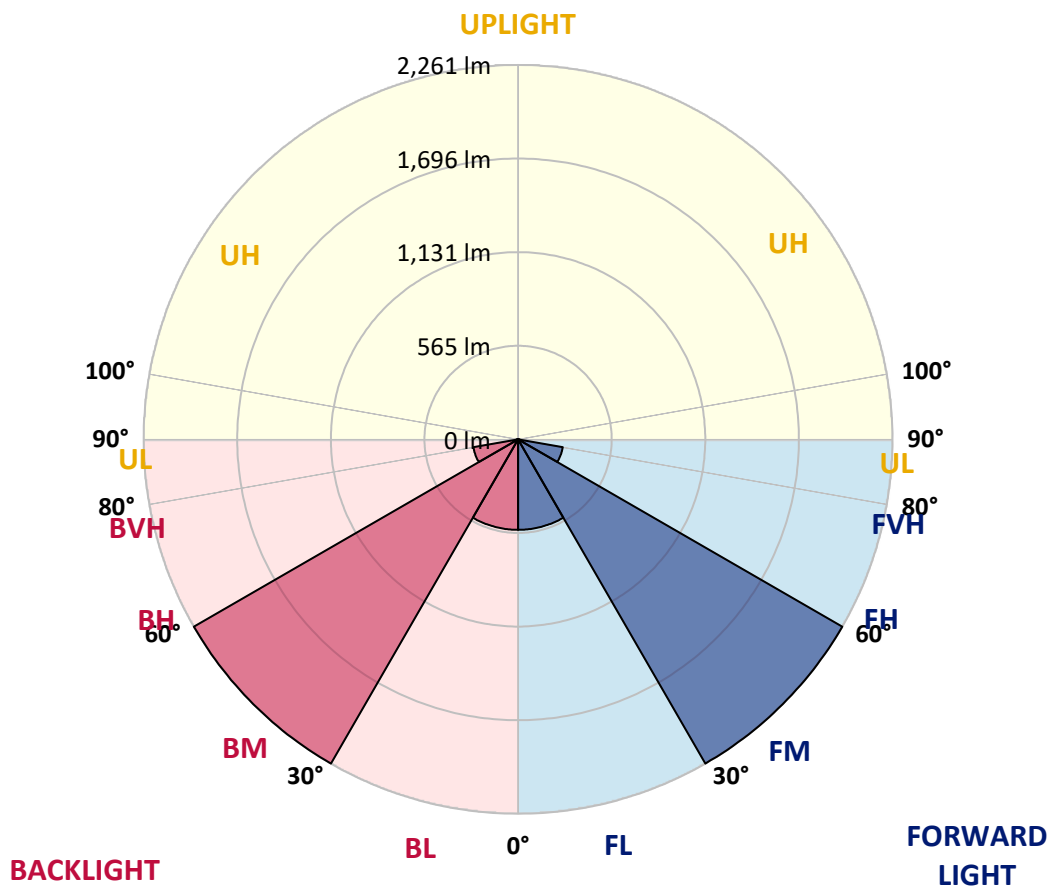
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	546.4	8.8			
FM (30°-60°)	2261.4	36.6			
FH (60°-80°)	274.1	4.4			G0/660
FVH (80°-90°)	8.4	0.1			G0/10
BL (0°-30°)	546.4	8.8	B2/1000		
BM (30°-60°)	2261.4	36.6	B2/2500		
BH (60°-80°)	274.1	4.4	B1/500		G0/660
BVH (80°-90°)	8.4	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°	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9	1111.9
2.5°	1109.4	1109.4	1111.4	1113.8	1114.3	1119.2	1118.2	1116.3	1115.3	1113.3	1117.7
5°	1121.6	1122.1	1123.6	1125.1	1124.1	1128.0	1126.5	1124.1	1122.6	1120.2	1124.6
7.5°	1137.8	1137.8	1139.2	1141.2	1140.2	1146.1	1143.1	1139.7	1137.3	1134.4	1138.3
10°	1152.4	1153.4	1154.9	1158.8	1160.7	1167.1	1165.1	1160.3	1156.3	1152.9	1157.3
12.5°	1174.4	1175.4	1176.9	1182.2	1185.7	1192.0	1189.1	1182.2	1176.4	1171.5	1176.4
15°	1202.8	1201.8	1205.7	1212.5	1216.9	1222.8	1219.4	1207.7	1199.8	1193.5	1198.4
17.5°	1231.6	1231.1	1235.0	1243.8	1250.2	1258.0	1252.1	1238.5	1230.1	1222.3	1227.2
20°	1262.9	1264.4	1268.3	1276.6	1285.9	1296.1	1291.2	1276.6	1267.3	1258.5	1262.4
22.5°	1301.5	1302.0	1306.4	1317.1	1329.4	1339.1	1336.2	1318.1	1306.4	1297.1	1302.0
25°	1347.9	1347.4	1353.3	1366.0	1383.1	1392.9	1386.5	1366.5	1353.8	1343.0	1347.0
27.5°	1401.2	1400.7	1409.5	1426.1	1450.6	1464.2	1451.1	1426.1	1408.5	1393.4	1396.8
30°	1468.2	1466.7	1476.5	1498.9	1530.7	1553.7	1534.1	1499.4	1476.5	1460.3	1463.8
32.5°	1542.4	1544.4	1556.6	1586.9	1627.0	1656.8	1627.5	1588.9	1558.1	1534.6	1538.5
35°	1624.1	1624.1	1649.0	1686.6	1743.8	1783.4	1737.9	1682.2	1641.2	1608.9	1609.9
37.5°	1715.0	1715.9	1748.7	1800.5	1875.3	1921.7	1860.1	1791.2	1741.4	1706.7	1704.7
40°	1825.9	1828.8	1862.6	1920.2	2004.3	2046.8	1980.8	1913.4	1862.6	1821.5	1817.6
42.5°	1951.0	1952.0	1987.7	2039.5	2110.4	2135.8	2084.0	2028.7	1987.2	1950.0	1946.1
45°	2070.3	2067.8	2098.6	2137.2	2178.3	2180.7	2151.9	2129.4	2093.2	2061.5	2055.6
47.5°	2163.1	2161.2	2189.0	2210.1	2214.9	2191.0	2200.3	2203.7	2161.7	2118.7	2107.4
50°	2219.8	2223.7	2250.1	2261.9	2233.0	2193.9	2229.1	2220.3	2160.2	2104.0	2085.9
52.5°	2254.0	2259.9	2305.8	2335.7	2305.8	2268.7	2273.6	2221.8	2135.3	2061.0	2037.5
55°	2167.5	2191.0	2290.2	2422.2	2471.0	2445.1	2352.3	2218.9	2058.5	1950.5	1930.5
57.5°	1606.5	1643.6	1790.7	2076.6	2373.8	2468.1	2196.9	1860.1	1617.2	1478.4	1466.7
60°	820.1	861.6	979.4	1273.2	1655.3	1788.3	1530.2	1191.0	946.7	834.3	821.6
62.5°	334.8	341.6	380.2	493.6	731.6	844.0	741.4	520.5	391.0	360.2	360.7
65°	263.4	264.9	262.9	269.8	306.4	340.2	314.3	276.1	269.3	272.7	270.3
67.5°	229.7	230.2	228.7	228.7	230.2	228.7	231.7	233.1	234.1	238.0	235.6
70°	192.1	192.6	192.6	193.5	193.1	190.6	195.0	197.0	197.4	199.9	198.4
72.5°	148.6	150.0	151.0	151.5	151.0	149.6	152.0	155.4	154.9	157.4	154.9
75°	100.7	102.6	103.6	105.6	105.1	105.1	108.0	109.5	108.0	110.0	108.0
77.5°	57.2	58.6	61.6	63.5	65.5	67.0	68.9	69.9	69.4	70.4	69.4
80°	33.2	33.7	36.2	37.1	39.6	42.0	44.0	45.0	45.5	45.9	45.5
82.5°	19.1	19.5	20.5	21.5	23.5	25.4	27.4	28.8	28.8	29.3	28.8
85°	9.3	9.3	9.8	10.3	11.2	12.7	14.2	15.6	16.1	16.1	16.1
87.5°	1.5	1.5	2.0	2.0	2.4	2.9	3.9	4.9	5.4	5.4	5.4
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)