

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: P632406

Luminaire Tested: GWS-SA2C-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6570.7 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

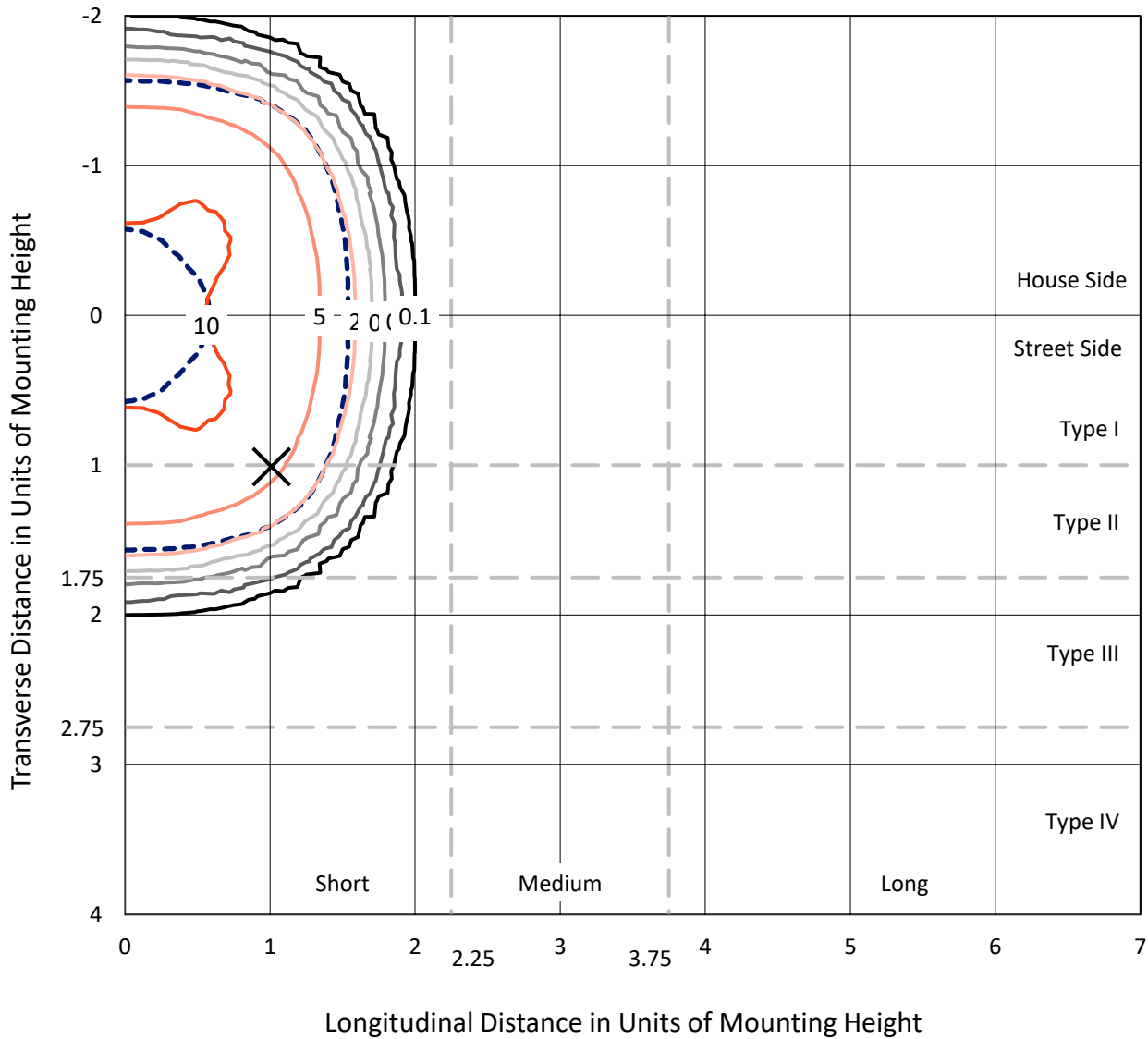
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

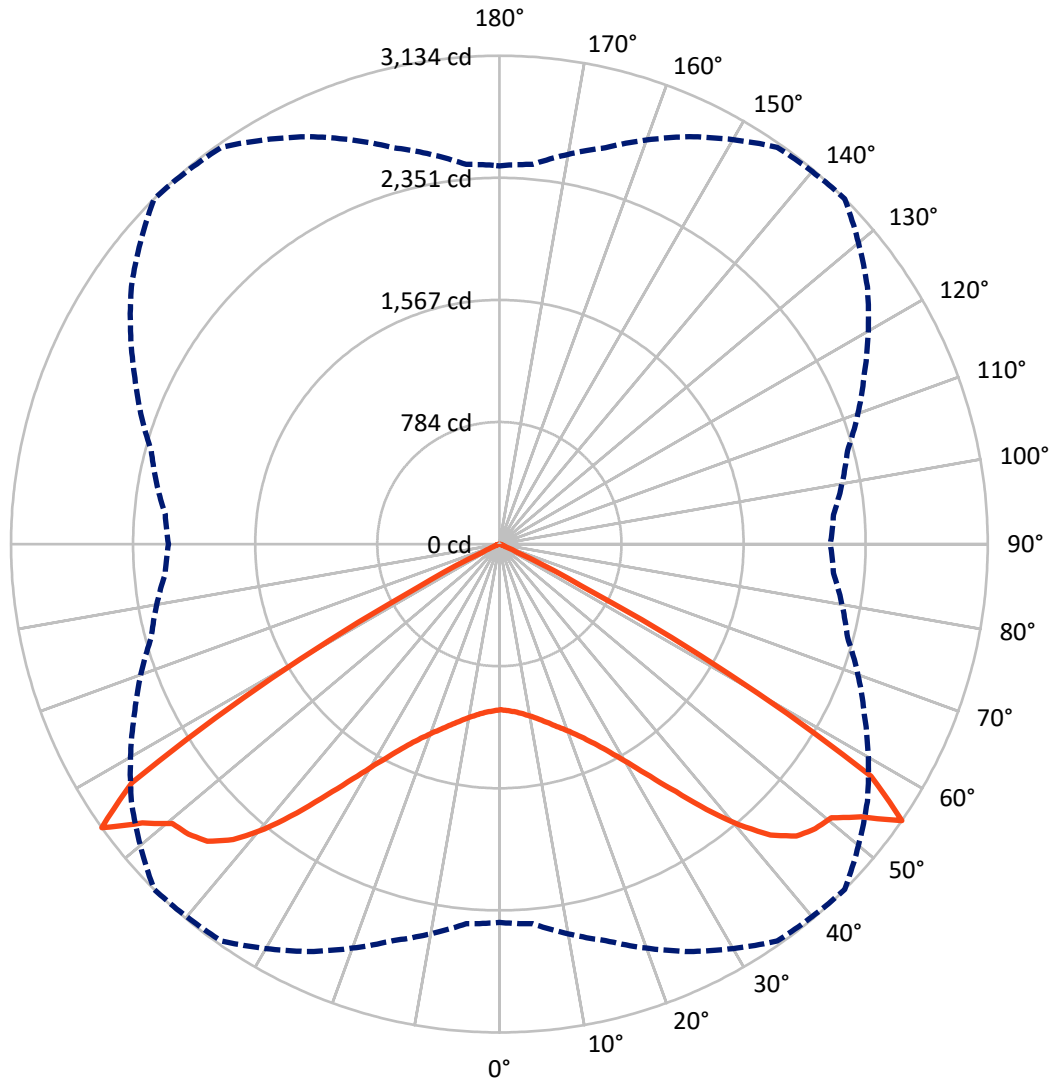
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3285.4	0.0	3285.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3285.4	0.0	3285.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	6570.7	0.0	6570.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	1.6
10°-20°	337.4	5.1
20°-30°	653.4	9.9
30°-40°	1170.7	17.8
40°-50°	1962.7	29.9
50°-60°	2100.9	32.0
60°-70°	230.9	3.5
70°-80°	10.2	0.2
80°-90°	0.5	0.0
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°	6570.7	100.0
0°-180°	6570.7	100.0

Coefficient of Utilization



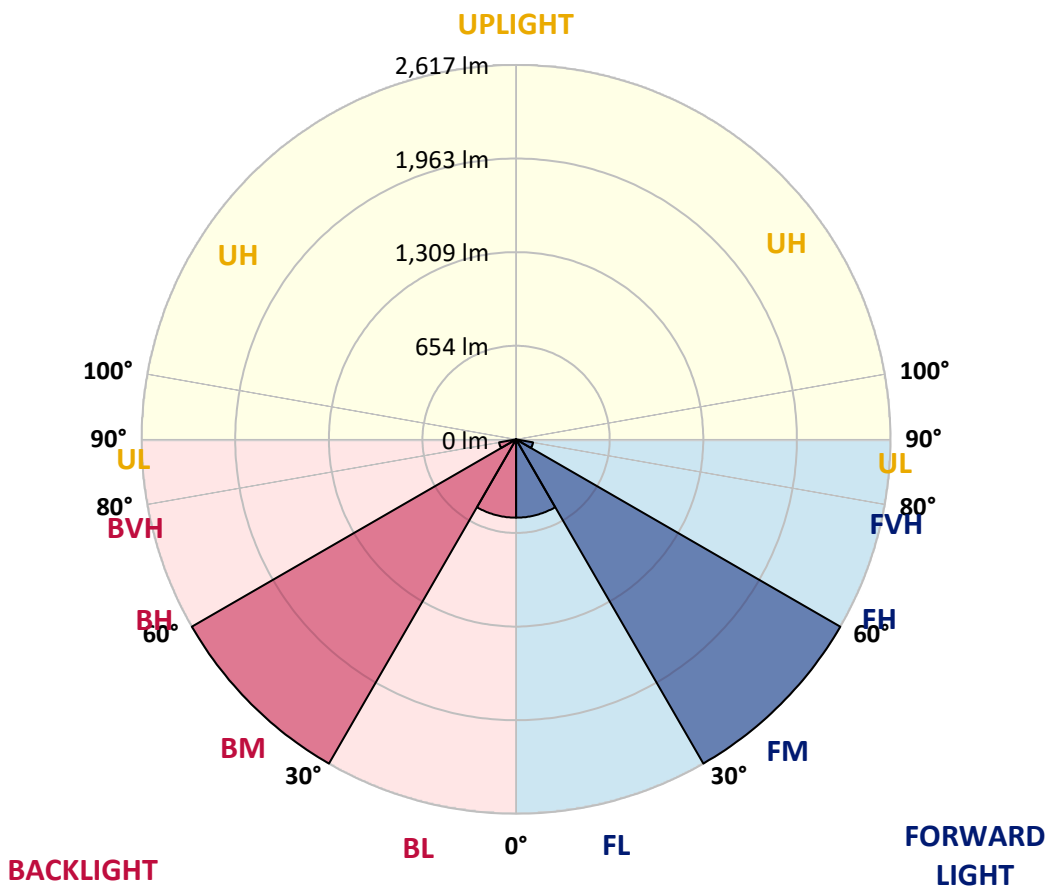
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.5	8.3			
FM (30°-60°)	2617.1	39.8			
FH (60°-80°)	120.5	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	547.5	8.3	B2/1000		
BM (30°-60°)	2617.1	39.8	B3/5000		
BH (60°-80°)	120.5	1.8	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1062.4	1062.4	1062.4	1062.4	1062.4	1062.4	1062.4	1062.4	1062.4	1062.4	1062.4
2.5°	1060.3	1060.3	1063.0	1065.0	1065.0	1070.4	1068.4	1066.4	1066.4	1063.7	1069.0
5°	1075.7	1075.1	1077.8	1079.1	1076.4	1081.8	1078.4	1076.4	1075.1	1072.4	1077.8
7.5°	1092.5	1093.1	1093.8	1096.5	1095.2	1100.5	1097.8	1093.8	1092.5	1088.5	1093.8
10°	1112.6	1112.6	1113.9	1117.2	1117.9	1124.6	1121.9	1117.2	1113.2	1109.2	1114.6
12.5°	1138.0	1138.7	1140.7	1145.4	1148.0	1155.4	1151.4	1142.0	1136.0	1131.3	1137.3
15°	1174.8	1174.1	1176.8	1183.5	1186.9	1192.2	1186.2	1173.5	1166.1	1160.8	1164.8
17.5°	1215.0	1215.0	1216.3	1223.0	1227.7	1235.7	1228.4	1213.0	1206.3	1198.9	1202.9
20°	1259.2	1261.2	1262.5	1267.2	1275.2	1283.3	1277.2	1261.8	1254.5	1245.1	1249.8
22.5°	1317.4	1315.4	1316.1	1324.1	1335.5	1343.5	1338.8	1320.7	1308.0	1300.7	1303.3
25°	1382.3	1381.7	1383.7	1395.7	1408.4	1417.1	1410.4	1387.0	1374.3	1361.6	1366.9
27.5°	1462.0	1462.7	1464.0	1478.7	1498.8	1511.5	1494.8	1471.4	1454.0	1437.2	1441.2
30°	1556.4	1555.0	1559.1	1579.1	1608.6	1628.7	1609.3	1576.5	1551.7	1535.6	1537.6
32.5°	1656.8	1658.1	1668.8	1701.0	1739.8	1775.3	1735.8	1692.3	1660.1	1630.0	1634.0
35°	1765.2	1768.6	1792.7	1840.2	1903.8	1951.3	1896.4	1824.8	1779.3	1740.5	1741.8
37.5°	1893.1	1901.1	1934.6	2005.6	2096.6	2160.2	2079.9	1984.8	1925.9	1877.7	1874.4
40°	2061.1	2070.5	2116.0	2200.4	2310.8	2369.0	2276.0	2178.3	2105.3	2053.1	2045.1
42.5°	2253.9	2266.0	2315.5	2401.8	2512.3	2551.8	2460.8	2378.4	2312.8	2251.2	2248.6
45°	2471.5	2478.2	2518.3	2584.6	2664.3	2673.6	2605.3	2559.8	2493.6	2436.0	2431.3
47.5°	2675.6	2682.3	2709.8	2743.9	2762.7	2729.2	2717.1	2697.1	2611.4	2540.4	2525.7
50°	2830.9	2836.3	2870.4	2883.8	2831.6	2760.7	2784.1	2741.2	2648.2	2568.5	2545.8
52.5°	2820.2	2833.6	2921.3	2997.6	2964.8	2907.3	2844.3	2751.9	2607.4	2498.2	2470.1
55°	2428.0	2446.0	2634.1	2885.2	3109.4	3134.2	2882.5	2584.6	2312.8	2152.8	2124.0
57.5°	1560.4	1565.1	1794.7	2146.8	2652.2	2811.5	2390.5	1948.7	1610.6	1434.5	1422.5
60°	573.7	564.3	737.7	1029.6	1527.6	1696.3	1407.1	985.4	702.9	578.4	568.3
62.5°	137.9	139.2	172.7	259.1	479.3	593.1	468.6	261.7	166.7	139.9	138.6
65°	69.6	68.3	68.9	74.3	102.4	122.5	100.4	71.0	68.3	68.9	68.3
67.5°	44.9	44.2	45.5	46.2	45.5	42.8	42.2	43.5	43.5	44.2	42.8
70°	27.4	26.8	28.1	30.1	28.8	25.4	26.8	28.1	26.8	26.1	26.1
72.5°	14.7	14.7	16.1	17.4	16.1	14.7	14.7	15.4	14.7	14.7	14.7
75°	6.7	6.7	7.4	8.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	2.0	2.0	2.7	2.7	2.0	2.0	2.0	2.0	2.7	2.7	2.7
80°	0.7	1.3	1.3	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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)