

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: P631909

Luminaire Tested: GWS-SA2B-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631909
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-SA2B-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6096.4 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

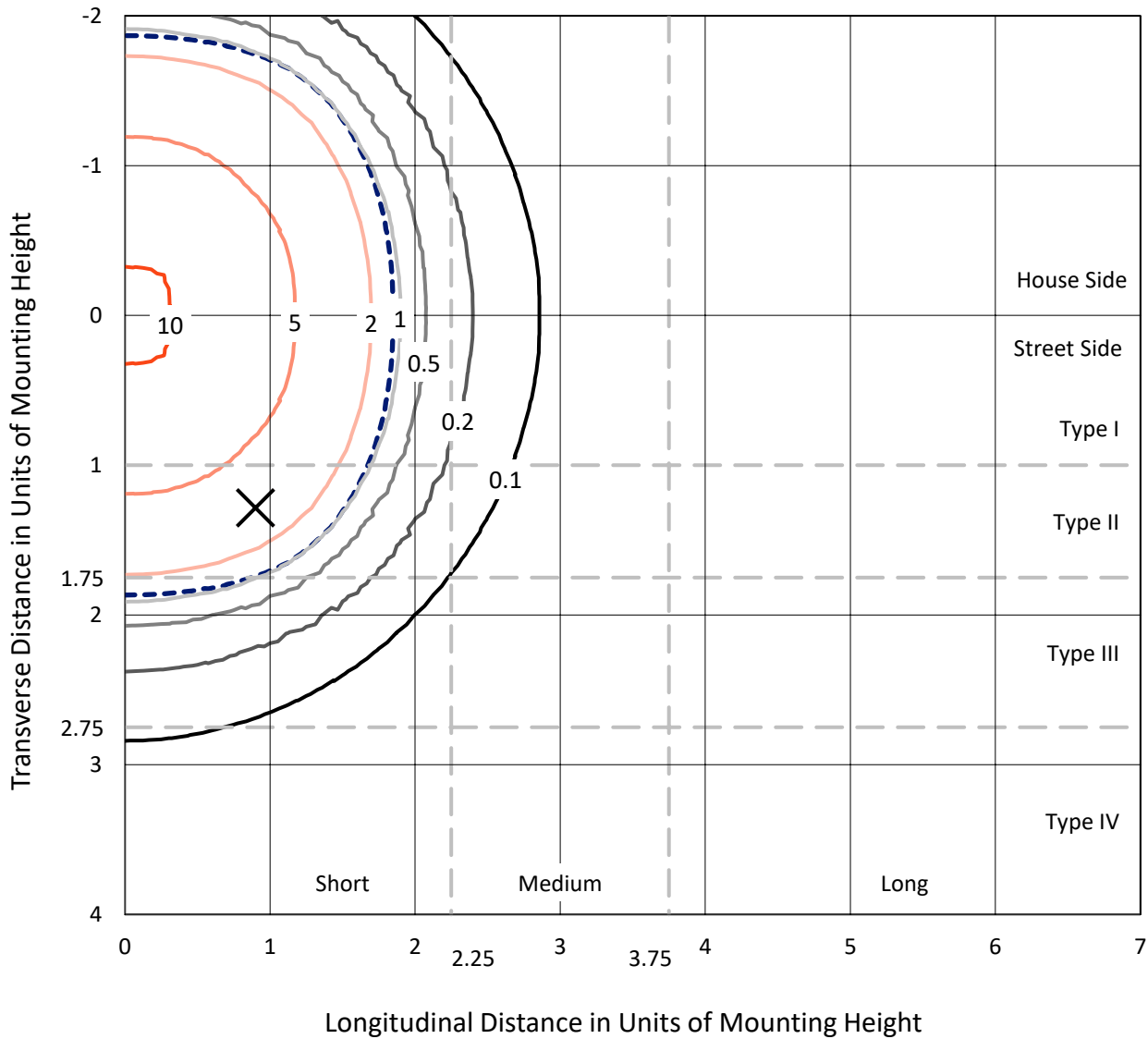
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

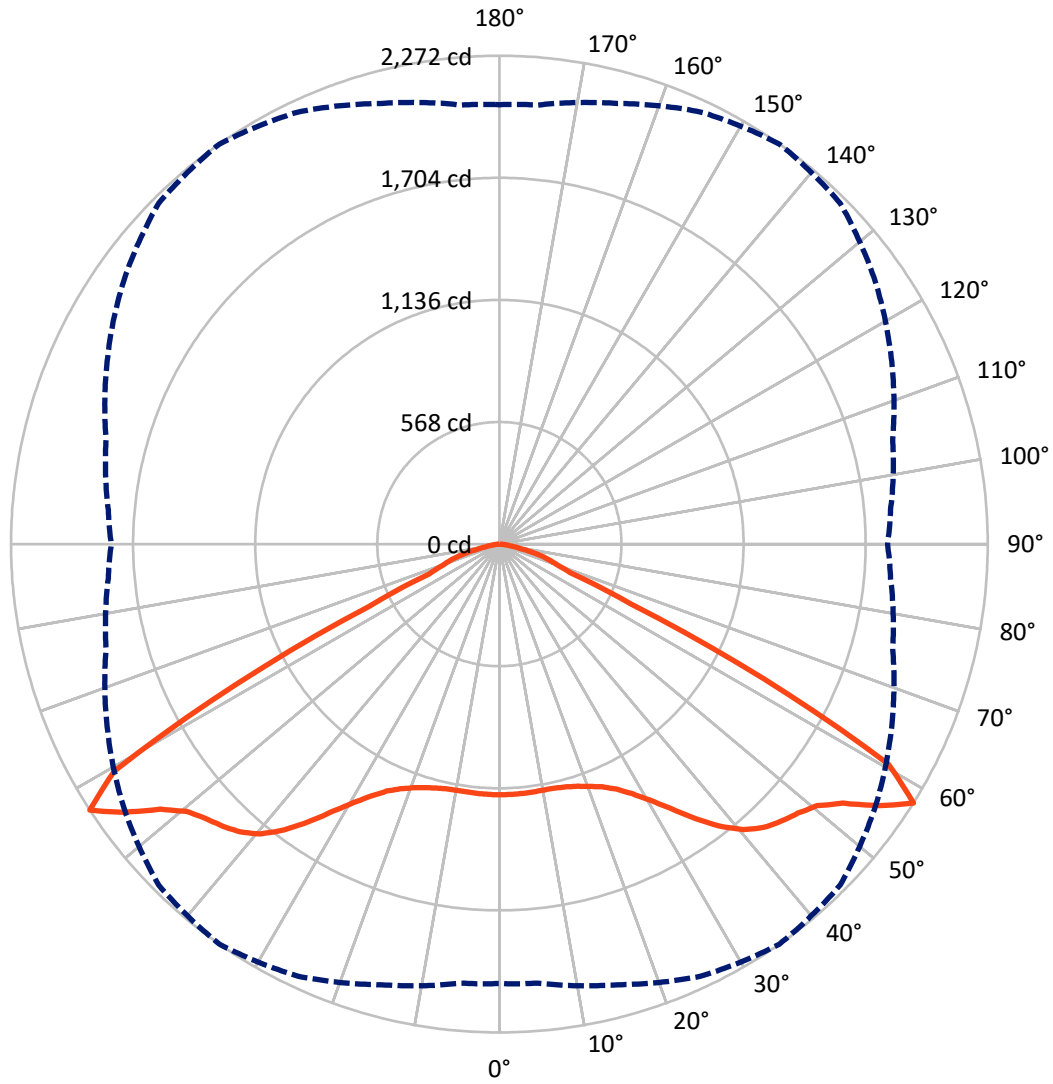
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 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	3048.2	0.0	3048.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3048.2	0.0	3048.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6096.4	0.0	6096.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	1.8
10°-20°	331.1	5.4
20°-30°	577.7	9.5
30°-40°	947.3	15.5
40°-50°	1395.1	22.9
50°-60°	1780.4	29.2
60°-70°	750.3	12.3
70°-80°	179.2	2.9
80°-90°	24.4	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°	6096.4	100.0
0°-180°	6096.4	100.0

Coefficient of Utilization



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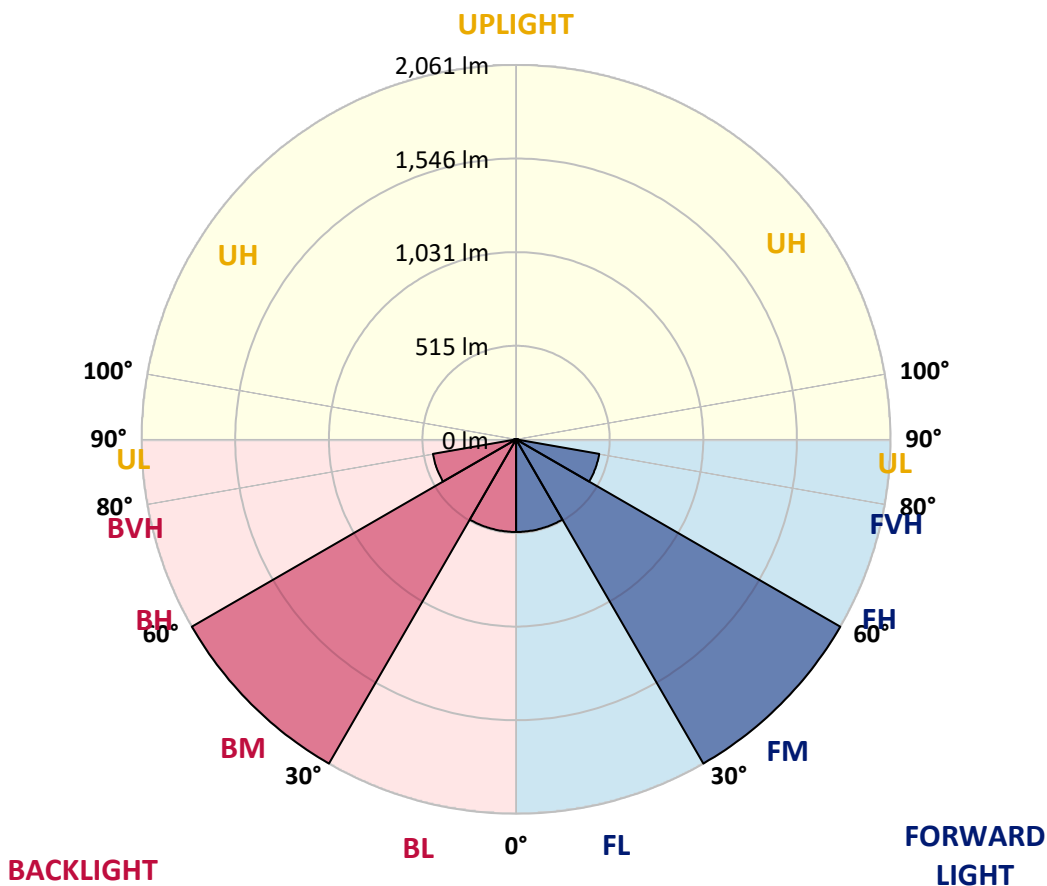
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	509.9	8.4			
FM (30°-60°)	2061.4	33.8			
FH (60°-80°)	464.8	7.6			G0/660
FVH (80°-90°)	12.2	0.2			G1/100
BL (0°-30°)	509.9	8.4	B2/1000		
BM (30°-60°)	2061.4	33.8	B2/2500		
BH (60°-80°)	464.8	7.6	B1/500		G0/660
BVH (80°-90°)	12.2	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°	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5
2.5°	1159.5	1159.5	1162.0	1164.5	1165.5	1170.0	1169.5	1168.0	1167.0	1164.0	1168.0
5°	1162.0	1162.0	1164.0	1165.5	1165.0	1168.5	1167.0	1164.5	1163.0	1160.0	1164.5
7.5°	1161.5	1161.5	1163.0	1164.5	1163.5	1166.5	1164.0	1160.5	1158.0	1155.0	1159.0
10°	1155.0	1156.0	1157.5	1161.0	1162.5	1167.0	1163.5	1158.0	1154.0	1150.5	1154.5
12.5°	1154.0	1155.0	1157.0	1161.5	1164.0	1170.5	1166.0	1157.0	1151.0	1146.5	1150.5
15°	1158.5	1159.5	1162.5	1168.0	1172.0	1179.0	1172.5	1160.0	1151.5	1145.5	1149.0
17.5°	1164.0	1165.5	1170.0	1178.0	1184.4	1191.9	1183.9	1169.0	1157.0	1149.0	1152.0
20°	1170.0	1172.0	1179.0	1190.9	1202.9	1212.4	1202.4	1182.4	1168.0	1157.5	1160.5
22.5°	1180.5	1182.9	1191.9	1208.9	1226.9	1240.8	1228.4	1201.4	1182.4	1169.0	1171.5
25°	1201.9	1204.9	1216.4	1236.9	1262.3	1279.3	1261.8	1231.4	1204.9	1188.4	1190.9
27.5°	1239.8	1241.3	1256.3	1283.3	1314.7	1334.2	1313.2	1277.3	1247.8	1228.9	1230.9
30°	1289.8	1294.3	1309.2	1344.7	1382.1	1408.1	1380.6	1338.2	1304.2	1281.3	1283.3
32.5°	1350.7	1353.7	1376.1	1413.0	1467.0	1496.9	1459.5	1409.1	1368.1	1340.2	1342.2
35°	1430.5	1433.0	1454.5	1501.4	1566.8	1594.7	1551.8	1493.9	1446.5	1420.0	1427.5
37.5°	1525.9	1530.3	1545.8	1592.2	1665.1	1692.6	1643.1	1589.2	1539.8	1515.4	1520.9
40°	1628.2	1627.7	1640.2	1681.1	1747.5	1764.4	1720.0	1677.1	1634.7	1618.7	1627.7
42.5°	1716.0	1713.5	1722.5	1756.5	1802.4	1803.9	1774.4	1750.5	1720.5	1709.5	1718.0
45°	1777.4	1778.4	1791.9	1815.4	1838.8	1826.3	1817.3	1813.4	1789.9	1774.9	1776.4
47.5°	1825.8	1829.8	1851.3	1867.3	1870.3	1849.3	1861.8	1867.8	1848.3	1825.3	1818.8
50°	1868.8	1875.2	1903.2	1920.2	1913.7	1887.2	1911.7	1920.7	1877.7	1833.8	1820.8
52.5°	1946.6	1954.1	1988.1	2010.0	2002.5	1976.1	1999.0	1967.1	1894.7	1840.8	1824.3
55°	2070.9	2074.4	2115.8	2151.8	2148.3	2115.8	2097.4	2026.5	1938.6	1882.7	1867.3
57.5°	2044.5	2050.4	2122.3	2218.2	2272.1	2242.6	2134.3	2013.5	1894.2	1826.8	1805.9
60°	1608.7	1623.2	1712.5	1881.2	2078.9	2078.4	1877.2	1689.6	1545.8	1456.5	1447.5
62.5°	939.4	949.4	1030.7	1201.4	1378.6	1389.6	1248.3	1119.6	993.8	933.4	904.4
65°	444.7	444.2	476.7	553.5	673.3	682.8	640.4	570.0	495.6	475.2	469.7
67.5°	328.4	328.4	325.9	331.4	354.4	359.4	354.4	342.9	335.9	340.4	337.4
70°	285.0	285.5	282.5	281.0	281.0	279.5	281.5	286.0	289.0	295.0	292.0
72.5°	231.1	231.6	231.6	232.1	232.6	230.6	233.6	236.1	236.6	238.6	236.6
75°	164.2	165.2	168.2	170.7	172.7	172.7	173.7	174.2	172.2	174.7	170.7
77.5°	90.3	91.3	96.8	101.3	105.8	106.3	107.8	108.8	107.8	109.8	106.8
80°	49.9	50.9	53.4	55.4	58.9	61.9	63.9	64.9	64.9	66.4	64.9
82.5°	28.5	29.4	30.9	31.9	34.9	37.4	39.4	40.9	40.9	41.4	40.4
85°	13.5	13.5	14.5	15.5	17.0	18.0	20.5	22.0	22.0	23.0	22.0
87.5°	2.0	2.5	3.0	3.0	4.0	5.0	6.0	6.5	7.5	8.0	8.0
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)