

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: P630870

Luminaire Tested: GWS-SA1E-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 6546.3 lumens
Efficiency: N/A
Efficacy: 112.1 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

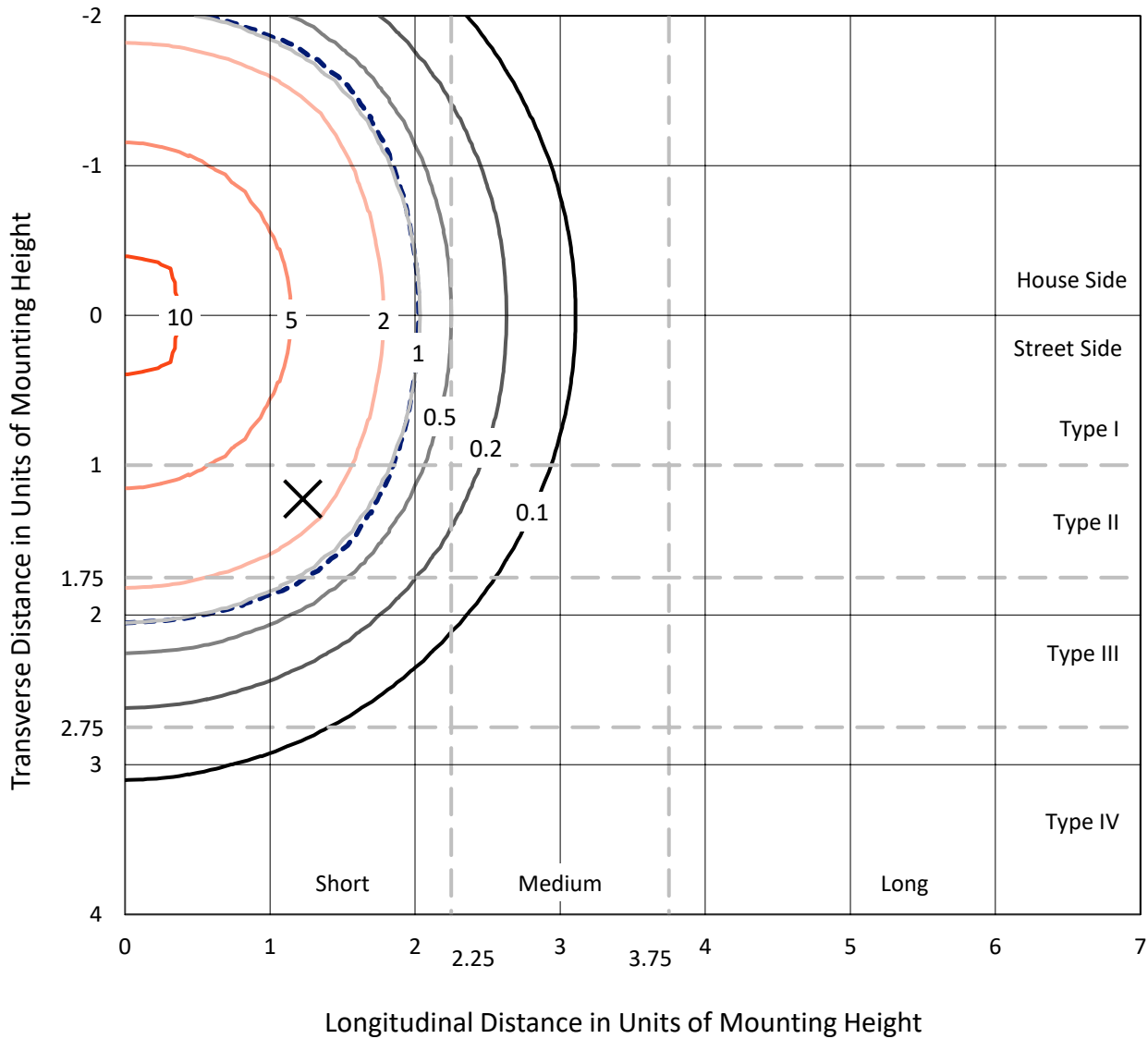
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

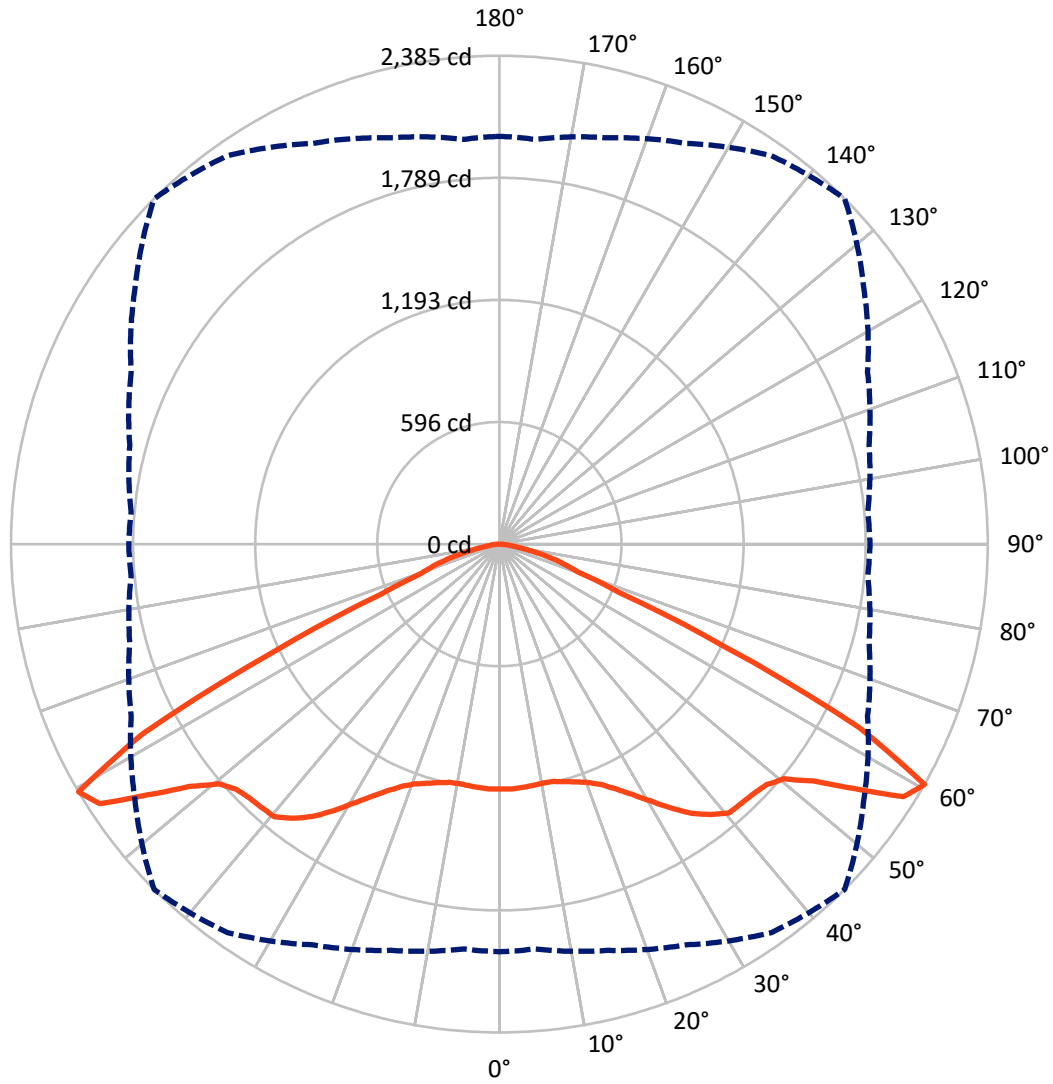
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3273.2	0.0	3273.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3273.2	0.0	3273.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6546.3	0.0	6546.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	1.7
10°-20°	341.3	5.2
20°-30°	603.7	9.2
30°-40°	972.0	14.8
40°-50°	1336.0	20.4
50°-60°	1780.4	27.2
60°-70°	1109.6	17.0
70°-80°	255.2	3.9
80°-90°	34.6	0.5
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°	6546.3	100.0
0°-180°	6546.3	100.0

Coefficient of Utilization



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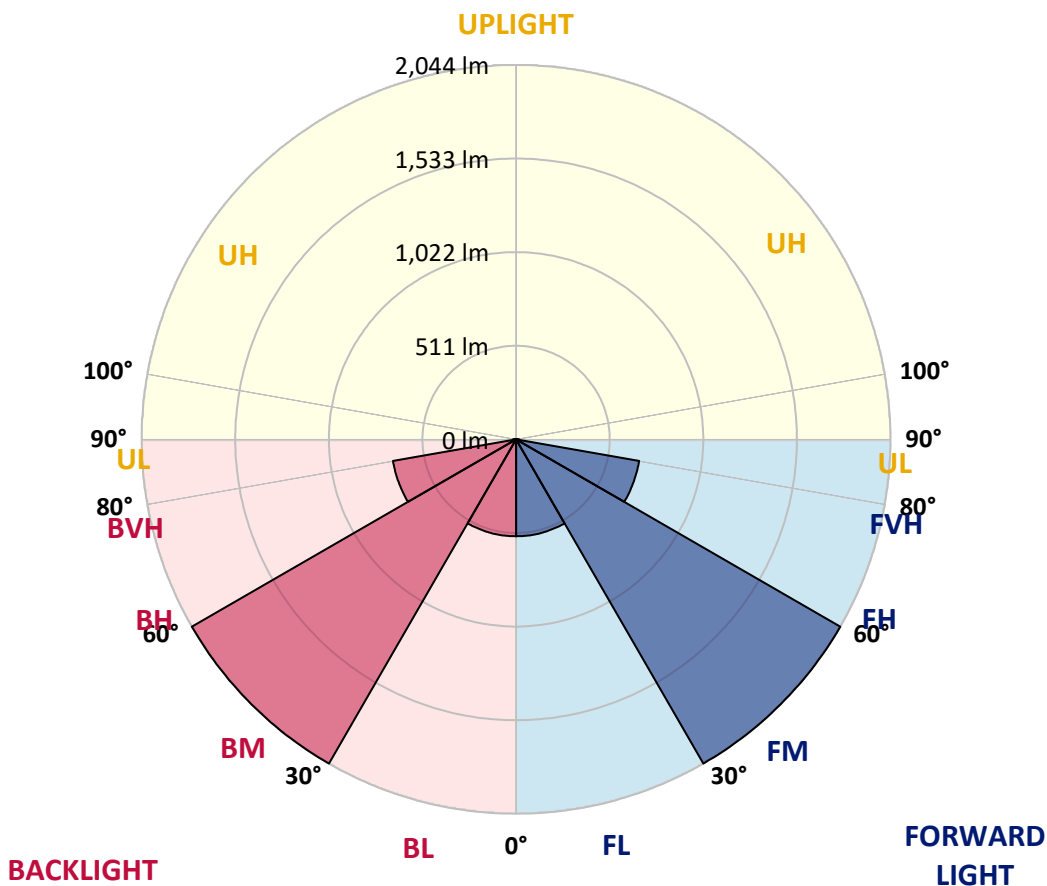
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	529.2	8.1			
FM (30°-60°)	2044.2	31.2			
FH (60°-80°)	682.4	10.4			G1/1800
FVH (80°-90°)	17.3	0.3			G1/100
BL (0°-30°)	529.2	8.1	B2/1000		
BM (30°-60°)	2044.2	31.2	B2/2500		
BH (60°-80°)	682.4	10.4	B2/1000		G1/1800
BVH (80°-90°)	17.3	0.3			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°	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3
2.5°	1188.0	1189.1	1191.3	1193.0	1195.2	1197.4	1198.5	1196.3	1195.2	1190.8	1195.8
5°	1189.1	1190.2	1191.9	1191.9	1192.4	1194.1	1194.1	1191.3	1188.5	1183.5	1189.1
7.5°	1187.4	1188.5	1189.1	1188.5	1189.1	1189.7	1188.5	1185.2	1182.4	1178.0	1182.4
10°	1184.7	1185.8	1186.9	1185.8	1184.7	1186.3	1186.3	1184.1	1182.4	1178.0	1183.0
12.5°	1190.8	1192.4	1193.0	1190.2	1189.1	1189.7	1189.7	1187.4	1187.4	1183.5	1189.1
15°	1205.2	1206.3	1204.7	1201.3	1201.9	1203.6	1199.7	1194.1	1193.0	1191.3	1195.8
17.5°	1216.3	1217.4	1215.8	1213.6	1217.4	1221.3	1214.1	1203.6	1200.2	1199.1	1204.1
20°	1228.6	1230.2	1228.0	1230.8	1238.6	1243.0	1234.1	1219.7	1213.0	1211.3	1217.4
22.5°	1248.6	1250.8	1250.8	1256.9	1268.6	1275.8	1264.7	1245.2	1235.2	1232.4	1238.6
25°	1280.2	1281.9	1283.6	1295.8	1314.7	1324.7	1306.9	1280.2	1266.3	1261.9	1265.2
27.5°	1324.1	1326.9	1329.7	1347.5	1370.8	1385.2	1359.7	1326.4	1309.1	1300.2	1306.9
30°	1376.4	1380.2	1386.9	1406.9	1439.7	1455.8	1423.0	1382.5	1363.0	1353.6	1362.5
32.5°	1447.5	1448.0	1453.0	1475.3	1518.6	1536.9	1495.8	1450.8	1430.8	1419.7	1424.7
35°	1531.9	1532.5	1524.7	1547.5	1594.2	1614.7	1566.4	1520.8	1504.2	1500.8	1513.6
37.5°	1618.6	1613.6	1605.8	1615.8	1663.1	1676.4	1625.3	1586.4	1579.2	1585.3	1604.2
40°	1680.3	1672.0	1656.4	1663.6	1711.4	1727.0	1672.5	1635.9	1633.6	1648.6	1671.4
42.5°	1720.3	1711.4	1693.1	1693.1	1725.9	1732.5	1690.3	1670.9	1675.9	1693.1	1714.8
45°	1739.8	1734.8	1724.2	1718.6	1737.0	1739.8	1707.5	1699.8	1709.2	1717.5	1734.2
47.5°	1754.8	1754.8	1751.4	1745.9	1754.2	1755.9	1732.0	1729.8	1742.0	1742.0	1753.1
50°	1781.4	1784.2	1788.7	1787.5	1796.4	1802.0	1784.2	1780.9	1785.9	1769.8	1775.3
52.5°	1851.4	1858.7	1871.4	1881.5	1904.2	1921.5	1889.8	1863.1	1837.0	1801.4	1802.5
55°	1977.0	1980.4	2005.4	2034.8	2073.2	2108.2	2043.1	1960.4	1903.7	1862.0	1862.6
57.5°	2083.2	2088.2	2124.8	2186.5	2272.6	2327.1	2183.2	2044.8	1964.8	1913.7	1915.3
60°	1991.5	1984.8	2054.3	2159.8	2316.0	2385.4	2173.2	1984.2	1869.2	1805.9	1810.3
62.5°	1540.8	1528.1	1605.3	1715.9	1903.1	1972.6	1777.0	1595.8	1486.9	1437.5	1430.3
65°	937.9	926.3	981.8	1049.6	1176.3	1220.2	1130.8	1034.6	939.6	909.6	901.3
67.5°	510.6	509.0	524.0	557.3	612.9	633.4	616.2	570.7	546.2	525.1	525.1
70°	405.1	401.7	399.0	399.5	404.5	407.3	407.9	405.6	408.4	409.0	406.7
72.5°	335.6	334.5	328.9	329.5	327.3	326.2	330.1	332.3	336.7	337.3	337.3
75°	243.4	240.6	243.4	243.9	241.7	241.7	244.5	243.9	246.2	247.3	241.2
77.5°	138.4	138.4	142.2	146.7	150.0	150.0	152.8	152.8	155.6	155.0	153.9
80°	76.1	76.1	78.3	81.1	84.5	87.8	90.6	91.1	92.8	92.2	90.6
82.5°	43.3	43.9	45.0	46.7	50.0	52.8	55.6	56.1	57.8	57.8	56.1
85°	20.6	20.0	20.6	21.7	23.3	25.6	28.3	30.0	31.1	31.1	30.0
87.5°	3.9	4.4	3.9	4.4	5.0	6.7	7.8	8.9	10.6	11.1	10.0
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)