

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: P630925

Luminaire Tested: GWS-SA1E-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630925
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6456.6 lumens
Efficiency: N/A
Efficacy: 110.6 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

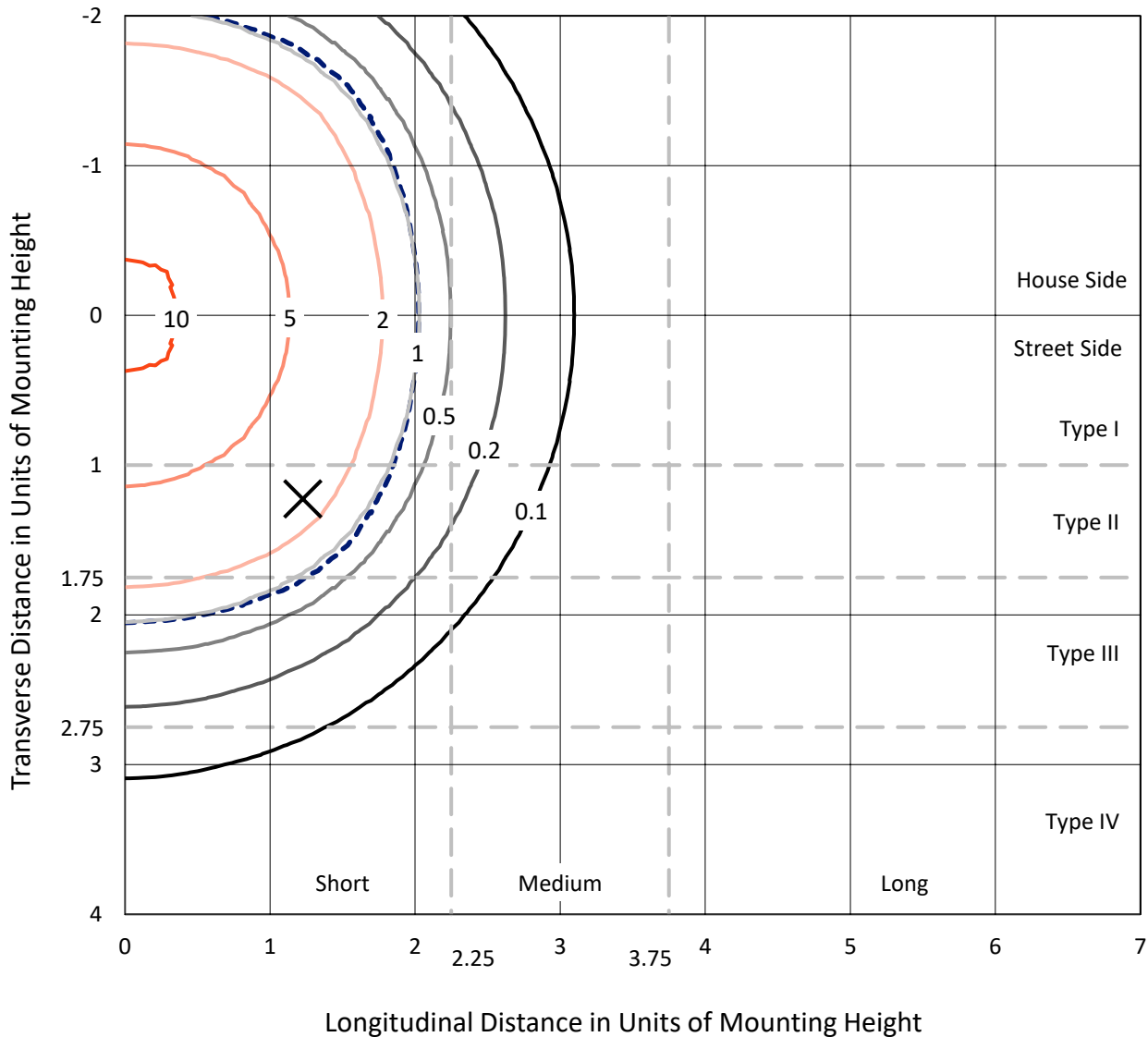
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

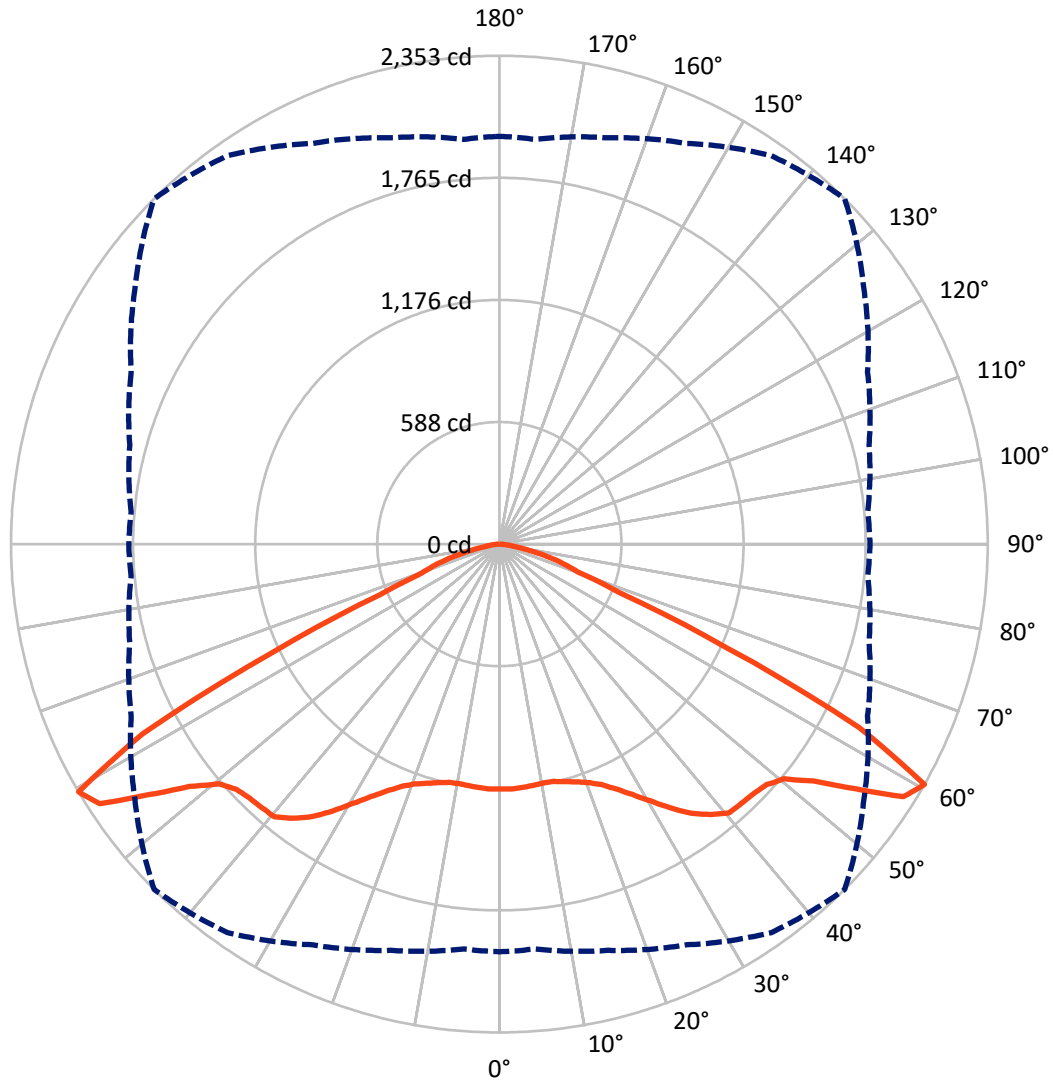
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 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	3228.3	0.0	3228.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3228.3	0.0	3228.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6456.6	0.0	6456.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	1.7
10°-20°	336.6	5.2
20°-30°	595.5	9.2
30°-40°	958.7	14.8
40°-50°	1317.7	20.4
50°-60°	1756.0	27.2
60°-70°	1094.4	17.0
70°-80°	251.7	3.9
80°-90°	34.1	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°	6456.6	100.0
0°-180°	6456.6	100.0

Coefficient of Utilization



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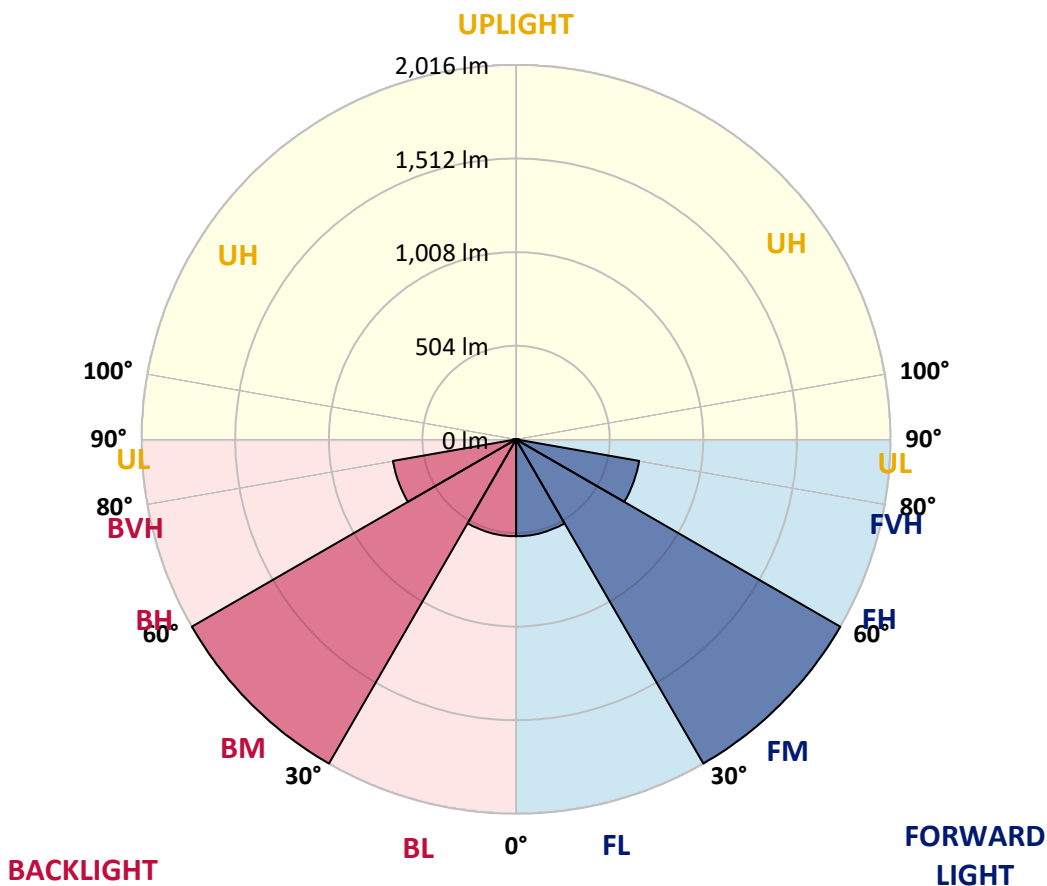
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.0	8.1			
FM (30°-60°)	2016.2	31.2			
FH (60°-80°)	673.0	10.4			G1/1800
FVH (80°-90°)	17.1	0.3			G1/100
BL (0°-30°)	522.0	8.1	B2/1000		
BM (30°-60°)	2016.2	31.2	B2/2500		
BH (60°-80°)	673.0	10.4	B2/1000		G1/1800
BVH (80°-90°)	17.1	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°	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9
2.5°	1171.7	1172.8	1175.0	1176.6	1178.8	1181.0	1182.1	1179.9	1178.8	1174.5	1179.4
5°	1172.8	1173.9	1175.6	1175.6	1176.1	1177.7	1177.7	1175.0	1172.3	1167.3	1172.8
7.5°	1171.2	1172.3	1172.8	1172.3	1172.8	1173.4	1172.3	1169.0	1166.2	1161.8	1166.2
10°	1168.4	1169.5	1170.6	1169.5	1168.4	1170.1	1170.1	1167.9	1166.2	1161.8	1166.8
12.5°	1174.5	1176.1	1176.6	1173.9	1172.8	1173.4	1173.4	1171.2	1171.2	1167.3	1172.8
15°	1188.7	1189.8	1188.2	1184.9	1185.4	1187.1	1183.2	1177.7	1176.6	1175.0	1179.4
17.5°	1199.7	1200.8	1199.1	1196.9	1200.8	1204.6	1197.5	1187.1	1183.8	1182.7	1187.6
20°	1211.7	1213.4	1211.2	1213.9	1221.6	1226.0	1217.2	1203.0	1196.4	1194.7	1200.8
22.5°	1231.5	1233.6	1233.6	1239.7	1251.2	1258.3	1247.3	1228.2	1218.3	1215.6	1221.6
25°	1262.7	1264.3	1266.0	1278.0	1296.7	1306.5	1289.0	1262.7	1249.0	1244.6	1247.9
27.5°	1306.0	1308.7	1311.5	1329.0	1352.0	1366.3	1341.1	1308.2	1291.2	1282.4	1289.0
30°	1357.5	1361.3	1367.9	1387.6	1420.0	1435.9	1403.5	1363.5	1344.3	1335.0	1343.8
32.5°	1427.6	1428.2	1433.1	1455.1	1497.8	1515.9	1475.3	1430.9	1411.2	1400.2	1405.2
35°	1511.0	1511.5	1503.8	1526.3	1572.3	1592.6	1544.9	1500.0	1483.5	1480.3	1492.9
37.5°	1596.4	1591.5	1583.8	1593.7	1640.3	1653.4	1603.0	1564.7	1557.5	1563.6	1582.2
40°	1657.3	1649.1	1633.7	1640.8	1688.0	1703.3	1649.6	1613.4	1611.2	1626.0	1648.5
42.5°	1696.7	1688.0	1669.9	1669.9	1702.2	1708.8	1667.1	1648.0	1652.9	1669.9	1691.3
45°	1715.9	1711.0	1700.6	1695.1	1713.2	1715.9	1684.1	1676.5	1685.8	1694.0	1710.4
47.5°	1730.7	1730.7	1727.4	1721.9	1730.2	1731.8	1708.2	1706.1	1718.1	1718.1	1729.1
50°	1757.0	1759.8	1764.1	1763.1	1771.8	1777.3	1759.8	1756.5	1761.4	1745.5	1751.0
52.5°	1826.1	1833.2	1845.8	1855.7	1878.1	1895.1	1863.9	1837.6	1811.8	1776.8	1777.8
55°	1949.9	1953.2	1977.9	2006.9	2044.7	2079.3	2015.2	1933.5	1877.6	1836.5	1837.0
57.5°	2054.6	2059.5	2095.7	2156.5	2241.5	2295.2	2153.3	2016.8	1937.9	1887.5	1889.1
60°	1964.2	1957.6	2026.1	2130.2	2284.2	2352.7	2143.4	1957.1	1843.6	1781.1	1785.5
62.5°	1519.7	1507.1	1583.3	1692.4	1877.0	1945.5	1752.6	1574.0	1466.6	1417.8	1410.7
65°	925.1	913.6	968.4	1035.3	1160.2	1203.5	1115.3	1020.5	926.7	897.1	888.9
67.5°	503.7	502.0	516.8	549.7	604.5	624.8	607.8	562.8	538.7	517.9	517.9
70°	399.5	396.2	393.5	394.0	399.0	401.7	402.3	400.1	402.8	403.4	401.2
72.5°	331.0	329.9	324.4	325.0	322.8	321.7	325.5	327.7	332.1	332.7	332.7
75°	240.0	237.3	240.0	240.6	238.4	238.4	241.1	240.6	242.8	243.9	237.9
77.5°	136.5	136.5	140.3	144.7	148.0	148.0	150.7	150.7	153.5	152.9	151.8
80°	75.1	75.1	77.3	80.0	83.3	86.6	89.3	89.9	91.5	91.0	89.3
82.5°	42.7	43.3	44.4	46.0	49.3	52.1	54.8	55.4	57.0	57.0	55.4
85°	20.3	19.7	20.3	21.4	23.0	25.2	28.0	29.6	30.7	30.7	29.6
87.5°	3.8	4.4	3.8	4.4	4.9	6.6	7.7	8.8	10.4	11.0	9.9
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)