

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: P630815

Luminaire Tested: GWS-SA1E-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630815
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6399.6 lumens
Efficiency: N/A
Efficacy: 109.6 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

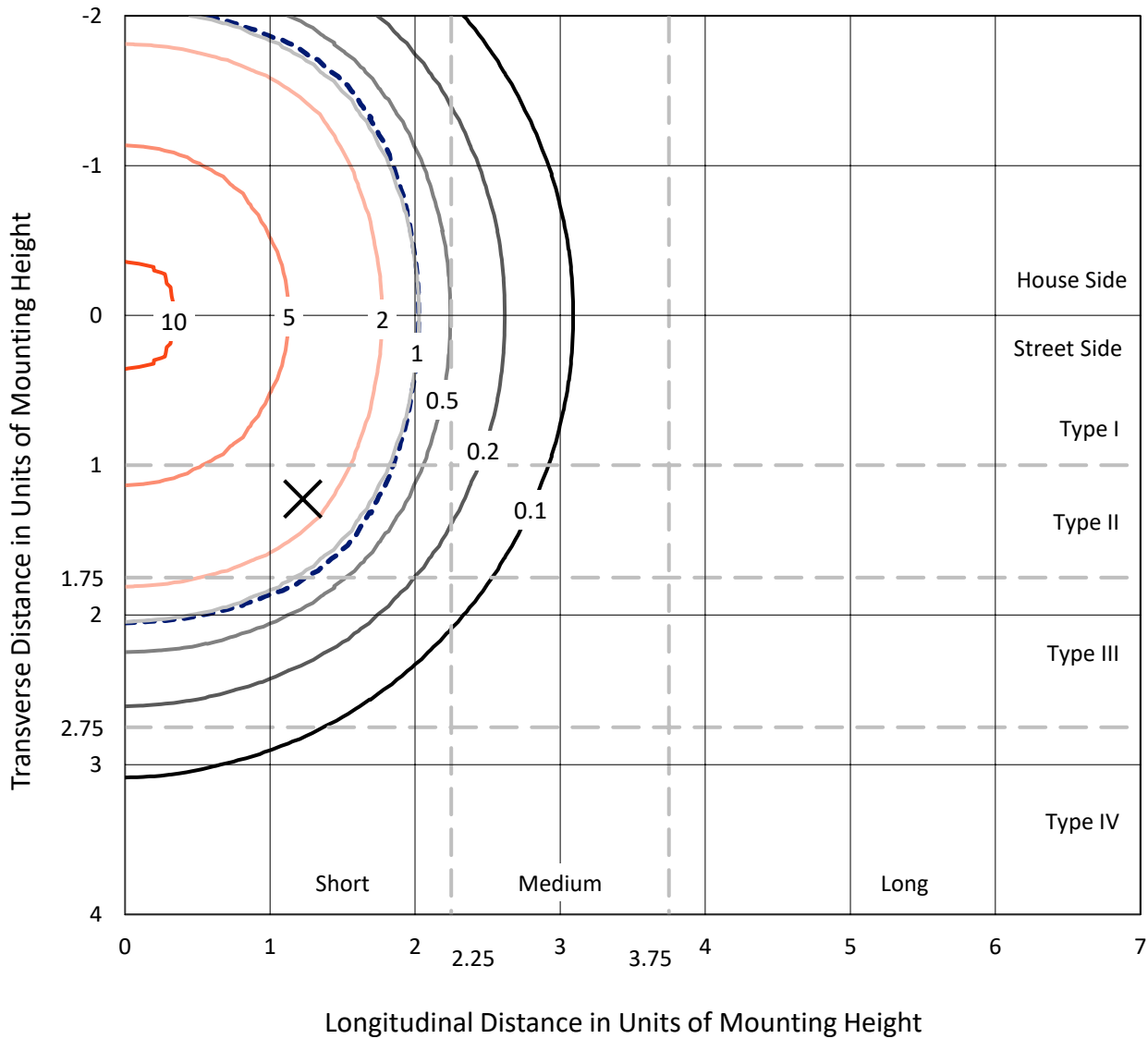
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

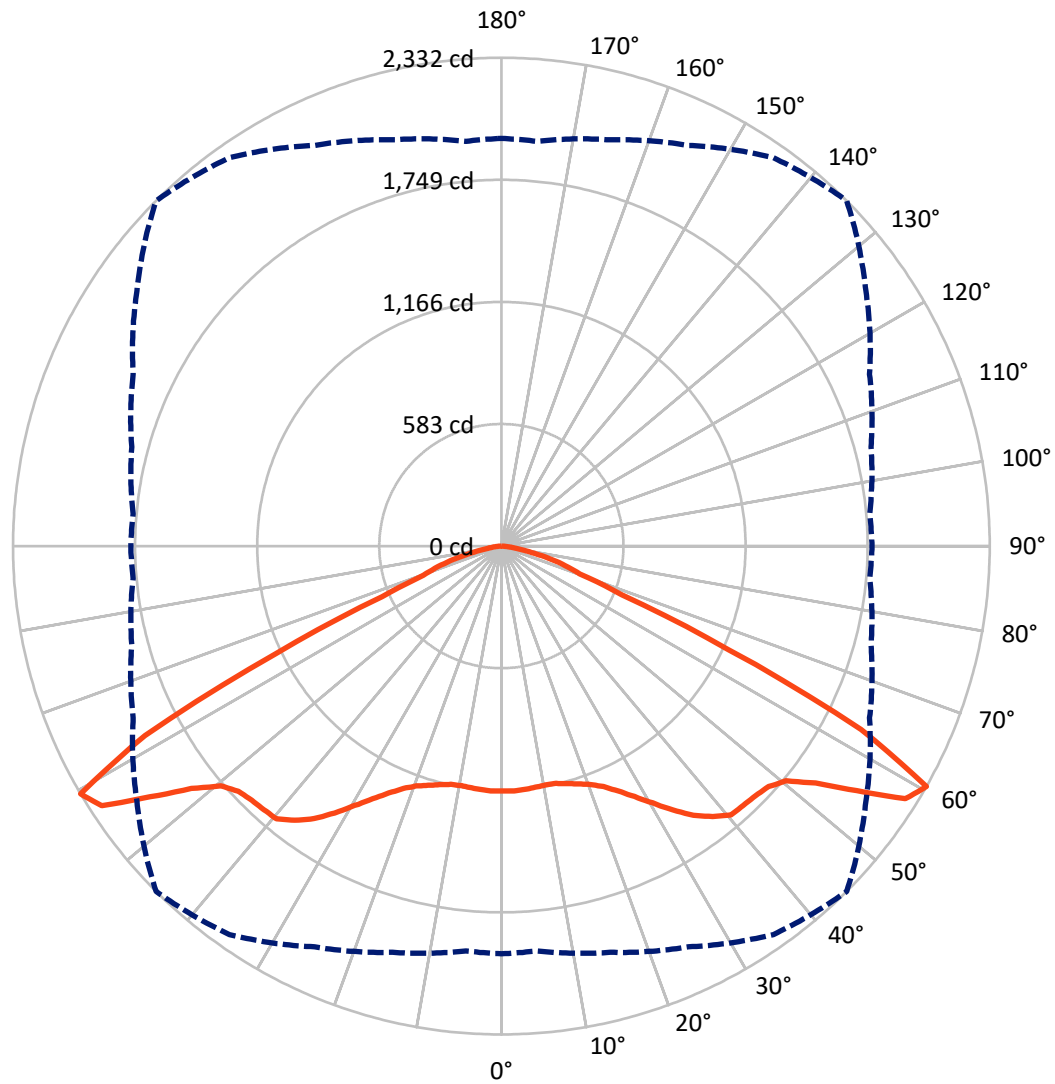
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

REPORT NUMBER: P630815
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Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA1E-740-U-5WQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3199.8	0.0	3199.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3199.8	0.0	3199.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6399.6	0.0	6399.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	1.7
10°-20°	333.6	5.2
20°-30°	590.2	9.2
30°-40°	950.2	14.8
40°-50°	1306.1	20.4
50°-60°	1740.5	27.2
60°-70°	1084.8	17.0
70°-80°	249.4	3.9
80°-90°	33.8	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°	6399.6	100.0
0°-180°	6399.6	100.0

Coefficient of Utilization



REPORT NUMBER: P630815

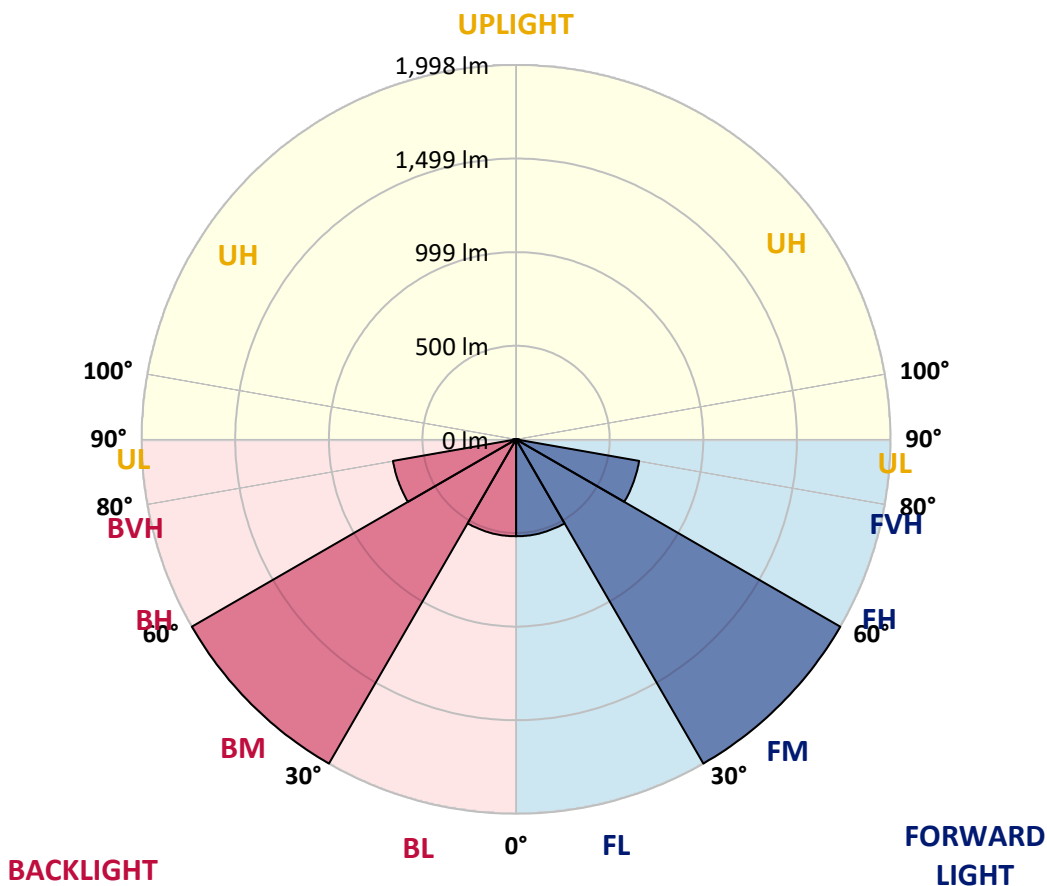
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	517.4	8.1			
FM (30°-60°)	1998.4	31.2			
FH (60°-80°)	667.1	10.4			G1/1800
FVH (80°-90°)	16.9	0.3			G1/100
BL (0°-30°)	517.4	8.1	B2/1000		
BM (30°-60°)	1998.4	31.2	B2/2500		
BH (60°-80°)	667.1	10.4	B2/1000		G1/1800
BVH (80°-90°)	16.9	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°	1169.5	1169.5	1169.5	1169.5	1169.5	1169.5	1169.5	1169.5	1169.5	1169.5	1169.5
2.5°	1161.4	1162.5	1164.6	1166.3	1168.4	1170.6	1171.7	1169.5	1168.4	1164.1	1169.0
5°	1162.5	1163.5	1165.2	1165.2	1165.7	1167.3	1167.3	1164.6	1161.9	1157.0	1162.5
7.5°	1160.8	1161.9	1162.5	1161.9	1162.5	1163.0	1161.9	1158.7	1155.9	1151.6	1155.9
10°	1158.1	1159.2	1160.3	1159.2	1158.1	1159.7	1159.7	1157.6	1155.9	1151.6	1156.5
12.5°	1164.1	1165.7	1166.3	1163.5	1162.5	1163.0	1163.0	1160.8	1160.8	1157.0	1162.5
15°	1178.2	1179.3	1177.7	1174.4	1174.9	1176.6	1172.8	1167.3	1166.3	1164.6	1169.0
17.5°	1189.1	1190.2	1188.5	1186.4	1190.2	1194.0	1186.9	1176.6	1173.3	1172.2	1177.1
20°	1201.0	1202.7	1200.5	1203.2	1210.8	1215.1	1206.5	1192.3	1185.8	1184.2	1190.2
22.5°	1220.6	1222.8	1222.8	1228.7	1240.1	1247.2	1236.3	1217.3	1207.5	1204.8	1210.8
25°	1251.5	1253.2	1254.8	1266.8	1285.2	1295.0	1277.6	1251.5	1238.0	1233.6	1236.9
27.5°	1294.5	1297.2	1299.9	1317.3	1340.1	1354.2	1329.2	1296.6	1279.8	1271.1	1277.6
30°	1345.5	1349.3	1355.8	1375.4	1407.4	1423.2	1391.1	1351.5	1332.5	1323.2	1331.9
32.5°	1415.0	1415.6	1420.5	1442.2	1484.6	1502.5	1462.3	1418.3	1398.7	1387.9	1392.8
35°	1497.6	1498.2	1490.6	1512.8	1558.5	1578.6	1531.3	1486.7	1470.5	1467.2	1479.7
37.5°	1582.4	1577.5	1569.9	1579.6	1625.8	1638.8	1588.9	1550.8	1543.8	1549.8	1568.2
40°	1642.6	1634.5	1619.3	1626.4	1673.1	1688.3	1635.0	1599.2	1597.0	1611.7	1634.0
42.5°	1681.8	1673.1	1655.1	1655.1	1687.2	1693.7	1652.4	1633.4	1638.3	1655.1	1676.3
45°	1700.8	1695.9	1685.6	1680.1	1698.1	1700.8	1669.3	1661.7	1670.9	1679.0	1695.3
47.5°	1715.4	1715.4	1712.2	1706.7	1714.9	1716.5	1693.2	1691.0	1702.9	1702.9	1713.8
50°	1741.5	1744.2	1748.6	1747.5	1756.2	1761.6	1744.2	1741.0	1745.9	1730.1	1735.5
52.5°	1810.0	1817.0	1829.5	1839.3	1861.6	1878.4	1847.4	1821.4	1795.8	1761.1	1762.2
55°	1932.7	1936.0	1960.4	1989.2	2026.7	2060.9	1997.4	1916.4	1861.0	1820.3	1820.8
57.5°	2036.5	2041.4	2077.2	2137.5	2221.7	2274.9	2134.2	1999.0	1920.8	1870.8	1872.4
60°	1946.8	1940.3	2008.2	2111.4	2264.1	2332.0	2124.5	1939.8	1827.3	1765.4	1769.8
62.5°	1506.3	1493.8	1569.3	1677.4	1860.5	1928.4	1737.2	1560.1	1453.6	1405.3	1398.2
65°	916.9	905.5	959.8	1026.1	1150.0	1192.9	1105.4	1011.4	918.6	889.2	881.1
67.5°	499.2	497.6	512.2	544.8	599.2	619.3	602.4	557.9	534.0	513.3	513.3
70°	396.0	392.7	390.0	390.6	395.5	398.2	398.7	396.5	399.3	399.8	397.6
72.5°	328.1	327.0	321.6	322.1	319.9	318.9	322.7	324.8	329.2	329.7	329.7
75°	237.9	235.2	237.9	238.5	236.3	236.3	239.0	238.5	240.6	241.7	235.8
77.5°	135.3	135.3	139.1	143.4	146.7	146.7	149.4	149.4	152.1	151.6	150.5
80°	74.4	74.4	76.6	79.3	82.6	85.8	88.5	89.1	90.7	90.2	88.5
82.5°	42.4	42.9	44.0	45.6	48.9	51.6	54.3	54.9	56.5	56.5	54.9
85°	20.1	19.6	20.1	21.2	22.8	25.0	27.7	29.3	30.4	30.4	29.3
87.5°	3.8	4.3	3.8	4.3	4.9	6.5	7.6	8.7	10.3	10.9	9.8
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)