

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: P632074

Luminaire Tested: GWS-SA2C-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632074
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-SA2C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5969.2 lumens
Efficiency: N/A
Efficacy: 94.4 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): 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

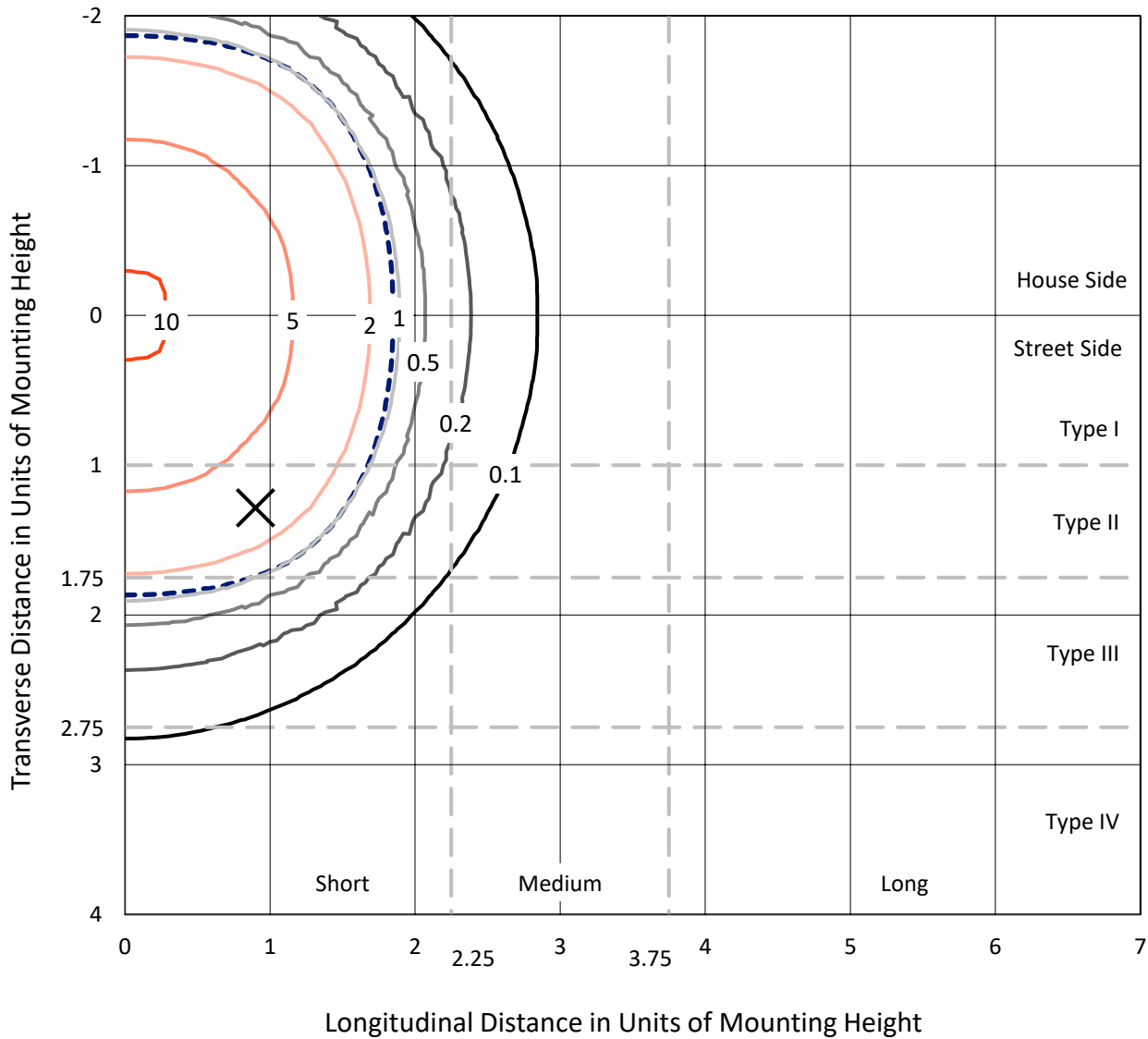


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Iso-Footcandle Lines of Horizontal Illumination

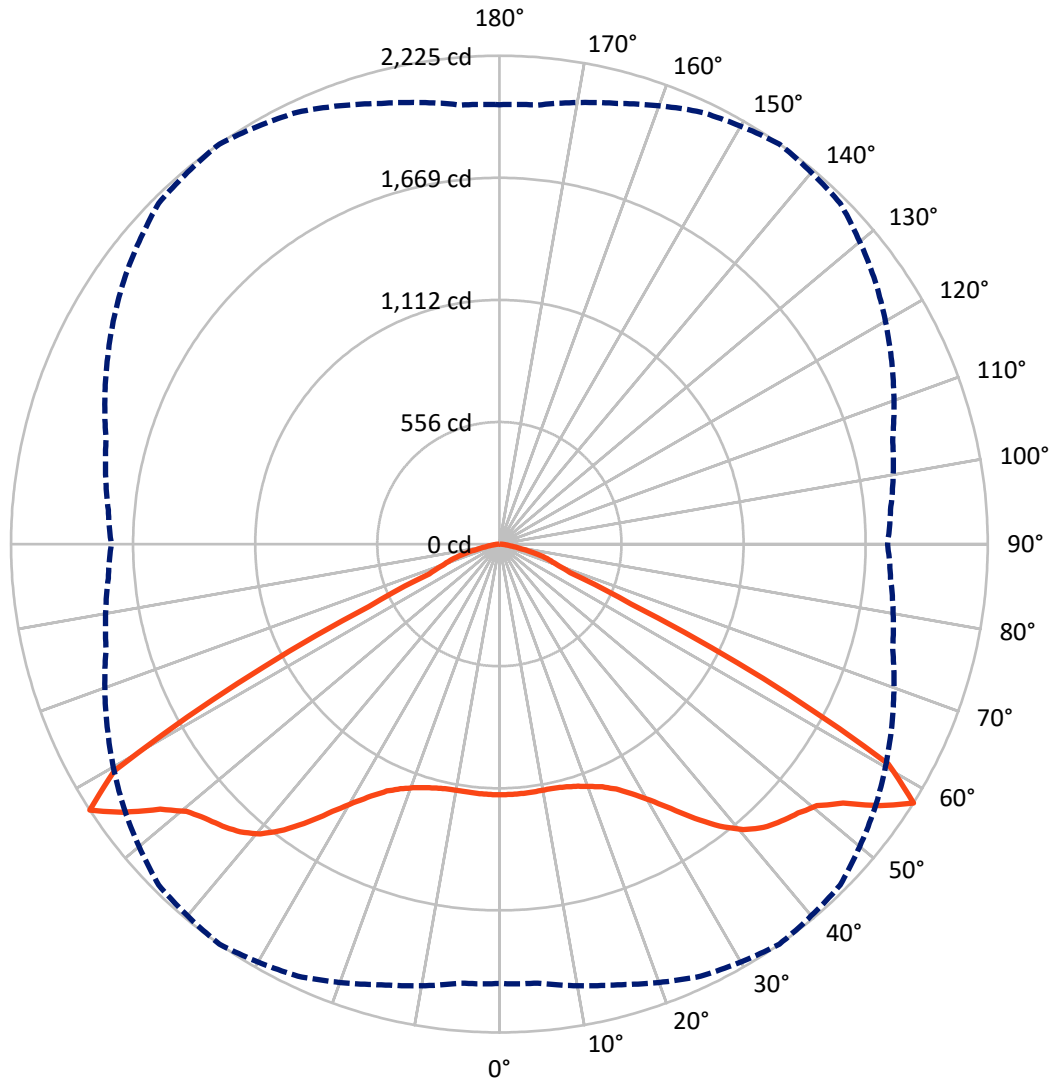
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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	2984.6	0.0	2984.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2984.6	0.0	2984.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5969.2	0.0	5969.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	1.8
10°-20°	324.2	5.4
20°-30°	565.6	9.5
30°-40°	927.5	15.5
40°-50°	1366.0	22.9
50°-60°	1743.2	29.2
60°-70°	734.7	12.3
70°-80°	175.5	2.9
80°-90°	23.9	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°	5969.2	100.0
0°-180°	5969.2	100.0

Coefficient of Utilization



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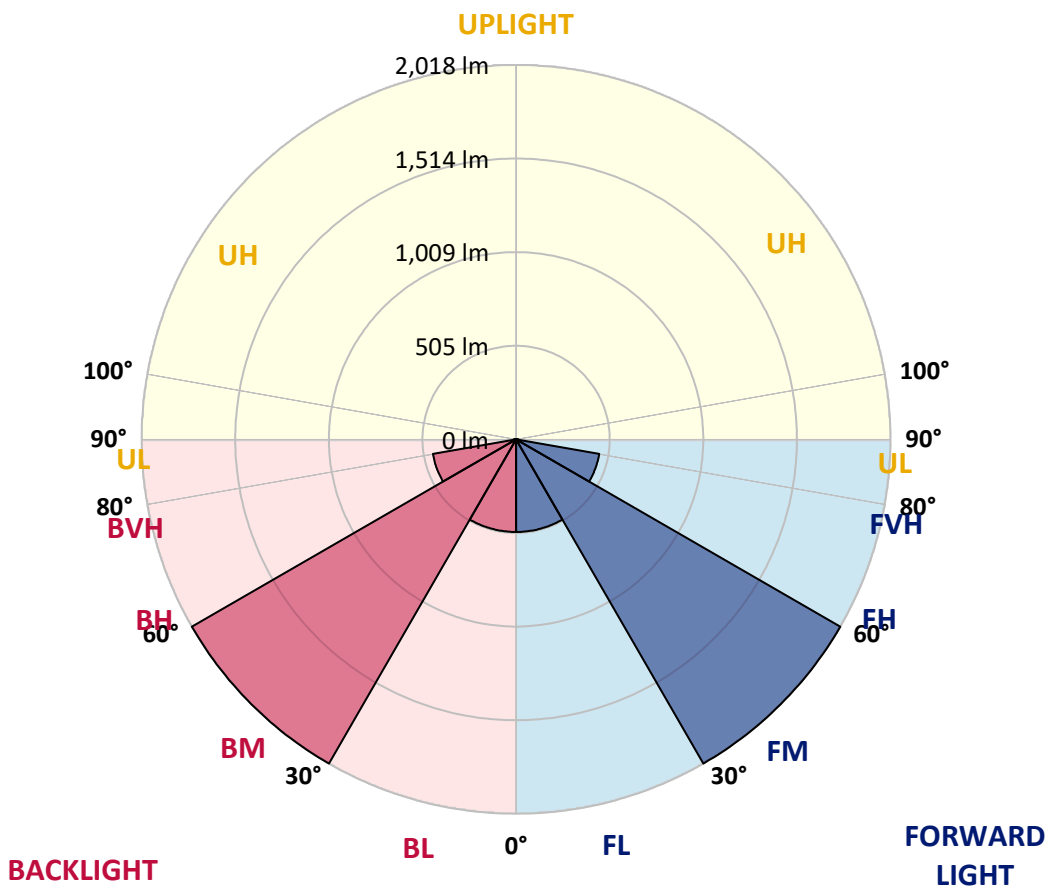
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	499.2	8.4			
FM (30°-60°)	2018.3	33.8			
FH (60°-80°)	455.1	7.6			G0/660
FVH (80°-90°)	11.9	0.2			G1/100
BL (0°-30°)	499.2	8.4	B1/500		
BM (30°-60°)	2018.3	33.8	B2/2500		
BH (60°-80°)	455.1	7.6	B1/500		G0/660
BVH (80°-90°)	11.9	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°	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1
2.5°	1135.3	1135.3	1137.7	1140.2	1141.2	1145.6	1145.1	1143.6	1142.6	1139.7	1143.6
5°	1137.7	1137.7	1139.7	1141.2	1140.7	1144.1	1142.6	1140.2	1138.7	1135.8	1140.2
7.5°	1137.3	1137.3	1138.7	1140.2	1139.2	1142.1	1139.7	1136.3	1133.8	1130.9	1134.8
10°	1130.9	1131.9	1133.3	1136.8	1138.2	1142.6	1139.2	1133.8	1129.9	1126.5	1130.4
12.5°	1129.9	1130.9	1132.9	1137.3	1139.7	1146.0	1141.6	1132.9	1127.0	1122.6	1126.5
15°	1134.3	1135.3	1138.2	1143.6	1147.5	1154.4	1148.0	1135.8	1127.5	1121.6	1125.0
17.5°	1139.7	1141.2	1145.6	1153.4	1159.7	1167.1	1159.2	1144.6	1132.9	1125.0	1128.0
20°	1145.6	1147.5	1154.4	1166.1	1177.8	1187.1	1177.3	1157.8	1143.6	1133.3	1136.3
22.5°	1155.8	1158.3	1167.1	1183.7	1201.3	1215.0	1202.7	1176.3	1157.8	1144.6	1147.0
25°	1176.8	1179.8	1191.0	1211.0	1236.0	1252.6	1235.5	1205.7	1179.8	1163.6	1166.1
27.5°	1214.0	1215.4	1230.1	1256.5	1287.3	1306.3	1285.8	1250.6	1221.8	1203.2	1205.2
30°	1262.9	1267.3	1281.9	1316.6	1353.3	1378.7	1351.8	1310.3	1277.0	1254.5	1256.5
32.5°	1322.5	1325.4	1347.4	1383.6	1436.3	1465.7	1429.0	1379.7	1339.6	1312.2	1314.2
35°	1400.7	1403.1	1424.1	1470.1	1534.1	1561.5	1519.4	1462.7	1416.3	1390.4	1397.7
37.5°	1494.0	1498.4	1513.6	1559.0	1630.4	1657.2	1608.9	1556.1	1507.7	1483.8	1489.1
40°	1594.2	1593.7	1605.9	1646.0	1711.0	1727.6	1684.1	1642.1	1600.6	1584.9	1593.7
42.5°	1680.2	1677.8	1686.6	1719.8	1764.8	1766.2	1737.4	1713.9	1684.6	1673.9	1682.2
45°	1740.3	1741.3	1754.5	1777.5	1800.4	1788.2	1779.4	1775.5	1752.5	1737.9	1739.4
47.5°	1787.7	1791.6	1812.7	1828.3	1831.2	1810.7	1822.9	1828.8	1809.7	1787.2	1780.9
50°	1829.8	1836.1	1863.5	1880.1	1873.8	1847.8	1871.8	1880.6	1838.6	1795.6	1782.8
52.5°	1906.0	1913.3	1946.6	1968.1	1960.7	1934.8	1957.3	1926.0	1855.2	1802.4	1786.3
55°	2027.7	2031.1	2071.7	2106.9	2103.4	2071.7	2053.6	1984.2	1898.2	1843.5	1828.3
57.5°	2001.8	2007.7	2078.0	2171.9	2224.7	2195.8	2089.8	1971.5	1854.7	1788.7	1768.2
60°	1575.1	1589.3	1676.8	1842.0	2035.5	2035.0	1838.1	1654.3	1513.6	1426.1	1417.3
62.5°	919.8	929.5	1009.2	1176.3	1349.8	1360.6	1222.3	1096.2	973.0	913.9	885.6
65°	435.4	435.0	466.7	542.0	659.3	668.6	627.0	558.1	485.3	465.3	459.9
67.5°	321.6	321.6	319.1	324.5	347.0	351.9	347.0	335.8	328.9	333.3	330.4
70°	279.1	279.5	276.6	275.1	275.1	273.7	275.6	280.0	283.0	288.8	285.9
72.5°	226.3	226.8	226.8	227.3	227.7	225.8	228.7	231.2	231.7	233.6	231.7
75°	160.8	161.8	164.7	167.1	169.1	169.1	170.1	170.6	168.6	171.1	167.1
77.5°	88.5	89.4	94.8	99.2	103.6	104.1	105.6	106.5	105.6	107.5	104.6
80°	48.9	49.8	52.3	54.2	57.7	60.6	62.6	63.5	63.5	65.0	63.5
82.5°	27.9	28.8	30.3	31.3	34.2	36.7	38.6	40.1	40.1	40.6	39.6
85°	13.2	13.2	14.2	15.2	16.6	17.6	20.0	21.5	21.5	22.5	21.5
87.5°	2.0	2.4	2.9	2.9	3.9	4.9	5.9	6.4	7.3	7.8	7.8
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)