

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: P631860

Luminaire Tested: GWS-SA2B-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631860
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-SA2B-750-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5962 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

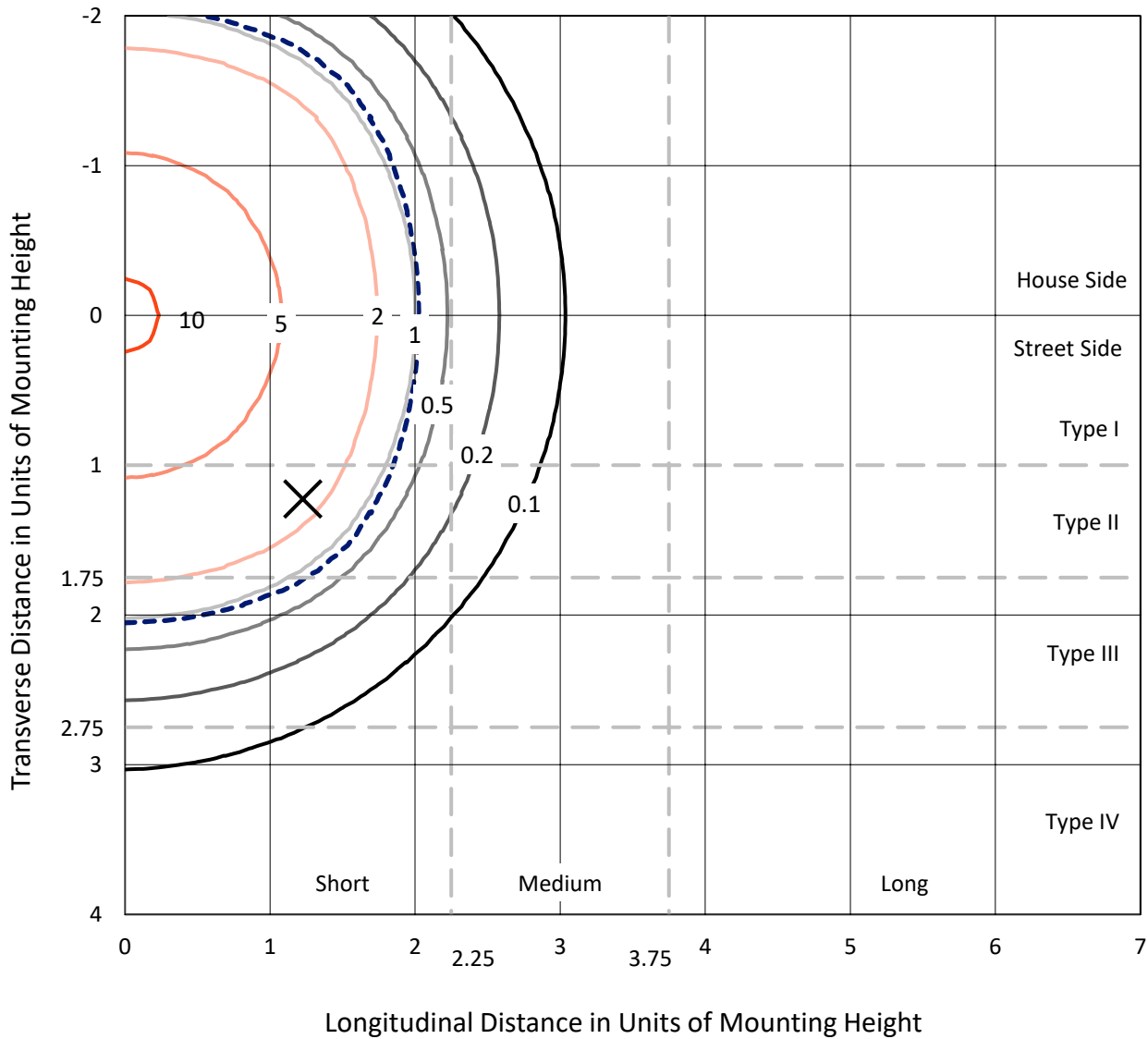
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

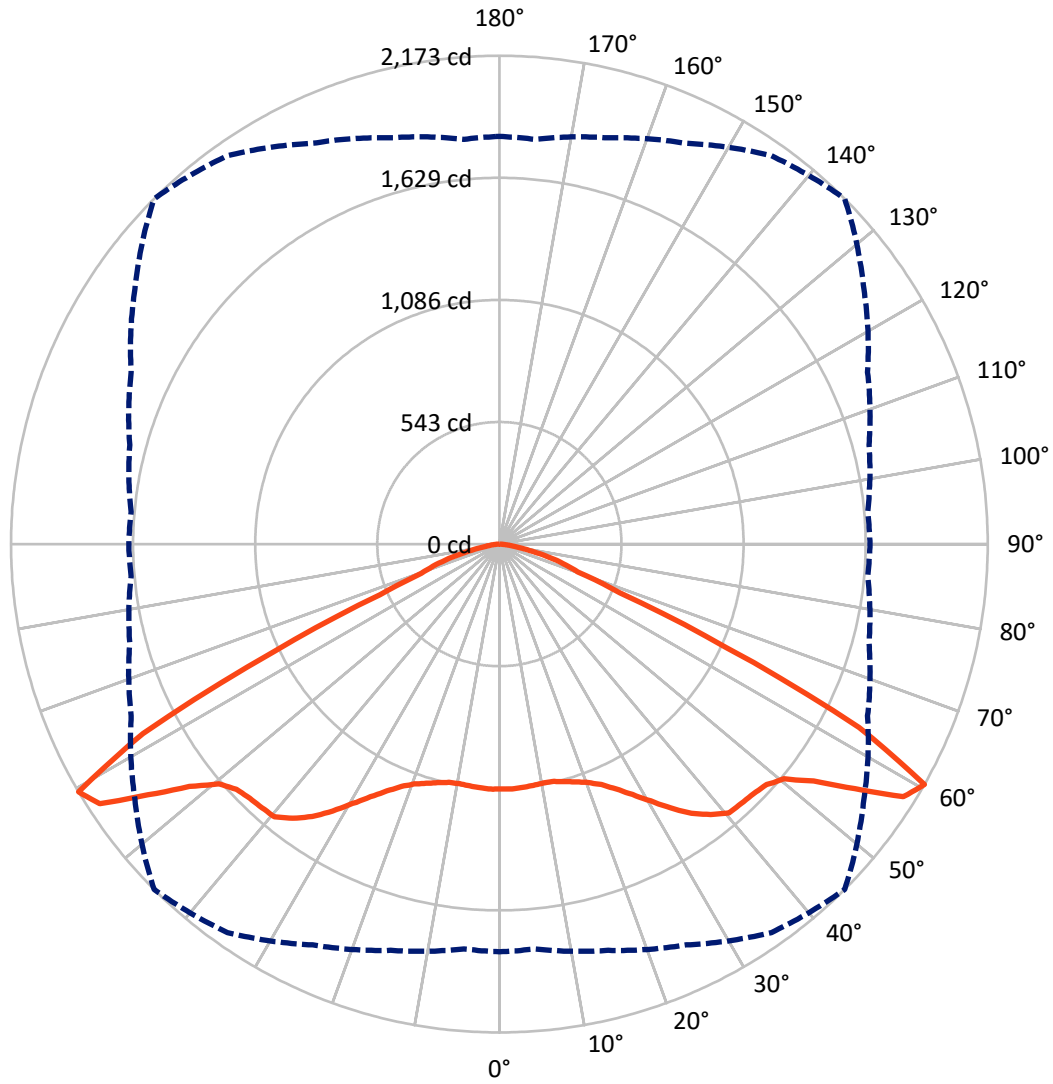
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 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	2981.0	0.0	2981.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2981.0	0.0	2981.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5962.0	0.0	5962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.3	1.7
10°-20°	310.8	5.2
20°-30°	549.8	9.2
30°-40°	885.3	14.8
40°-50°	1216.8	20.4
50°-60°	1621.5	27.2
60°-70°	1010.6	17.0
70°-80°	232.4	3.9
80°-90°	31.5	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°	5962.0	100.0
0°-180°	5962.0	100.0

Coefficient of Utilization



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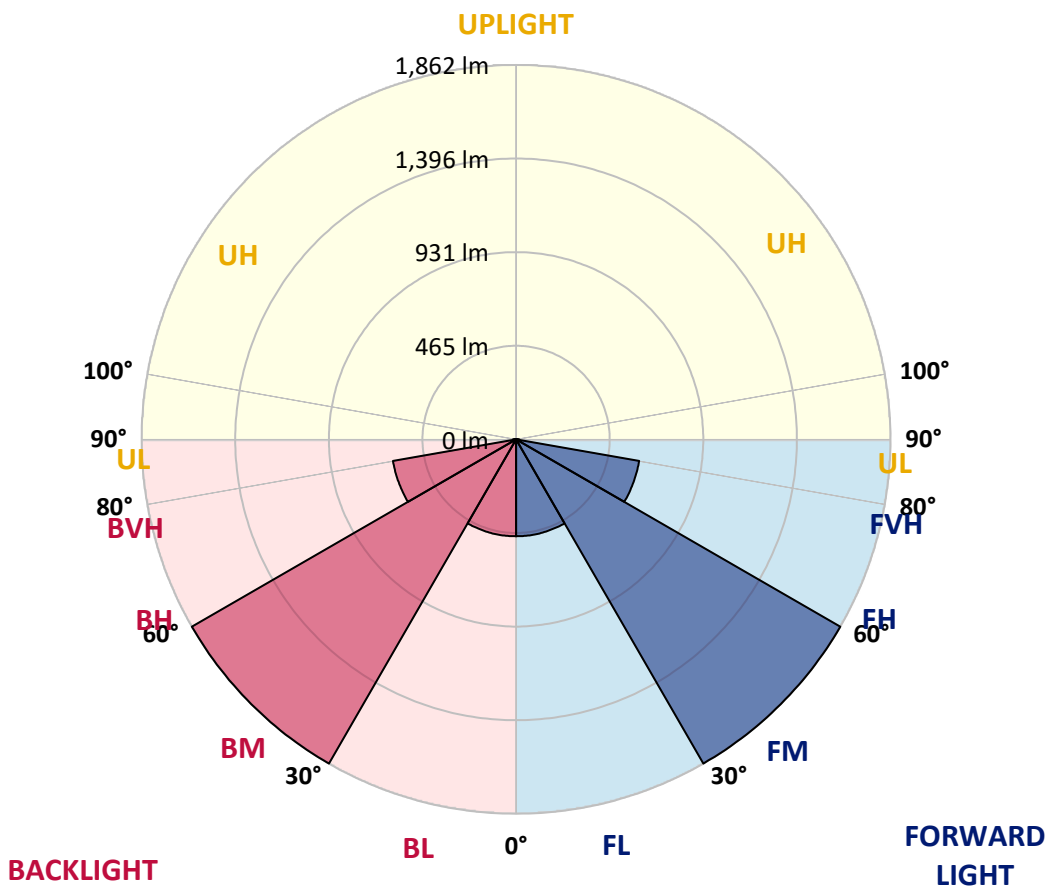
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	482.0	8.1			
FM (30°-60°)	1861.8	31.2			
FH (60°-80°)	621.5	10.4			G0/660
FVH (80°-90°)	15.8	0.3			G1/100
BL (0°-30°)	482.0	8.1	B1/500		
BM (30°-60°)	1861.8	31.2	B2/2500		
BH (60°-80°)	621.5	10.4	B2/1000		G0/660
BVH (80°-90°)	15.8	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°	1089.5	1089.5	1089.5	1089.5	1089.5	1089.5	1089.5	1089.5	1089.5	1089.5	1089.5
2.5°	1082.0	1083.0	1085.0	1086.5	1088.5	1090.6	1091.6	1089.5	1088.5	1084.5	1089.0
5°	1083.0	1084.0	1085.5	1085.5	1086.0	1087.5	1087.5	1085.0	1082.5	1077.9	1083.0
7.5°	1081.5	1082.5	1083.0	1082.5	1083.0	1083.5	1082.5	1079.4	1076.9	1072.8	1076.9
10°	1078.9	1079.9	1080.9	1079.9	1078.9	1080.4	1080.4	1078.4	1076.9	1072.8	1077.4
12.5°	1084.5	1086.0	1086.5	1084.0	1083.0	1083.5	1083.5	1081.5	1081.5	1077.9	1083.0
15°	1097.6	1098.7	1097.1	1094.1	1094.6	1096.1	1092.6	1087.5	1086.5	1085.0	1089.0
17.5°	1107.8	1108.8	1107.3	1105.2	1108.8	1112.3	1105.7	1096.1	1093.1	1092.1	1096.6
20°	1118.9	1120.4	1118.4	1120.9	1128.0	1132.1	1124.0	1110.8	1104.7	1103.2	1108.8
22.5°	1137.1	1139.1	1139.1	1144.7	1155.3	1161.9	1151.8	1134.1	1125.0	1122.4	1128.0
25°	1166.0	1167.5	1169.0	1180.1	1197.3	1206.4	1190.3	1166.0	1153.3	1149.3	1152.3
27.5°	1205.9	1208.5	1211.0	1227.2	1248.4	1261.6	1238.3	1208.0	1192.3	1184.2	1190.3
30°	1253.5	1257.1	1263.1	1281.3	1311.2	1325.9	1296.0	1259.1	1241.4	1232.8	1240.9
32.5°	1318.3	1318.8	1323.3	1343.6	1383.1	1399.8	1362.3	1321.3	1303.1	1293.0	1297.5
35°	1395.2	1395.7	1388.6	1409.4	1451.9	1470.6	1426.6	1385.1	1369.9	1366.9	1378.5
37.5°	1474.2	1469.6	1462.5	1471.6	1514.6	1526.8	1480.2	1444.8	1438.2	1443.8	1461.0
40°	1530.3	1522.7	1508.6	1515.1	1558.7	1572.8	1523.2	1489.8	1487.8	1501.5	1522.2
42.5°	1566.8	1558.7	1542.0	1542.0	1571.8	1577.9	1539.4	1521.7	1526.3	1542.0	1561.7
45°	1584.5	1579.9	1570.3	1565.2	1581.9	1584.5	1555.1	1548.0	1556.6	1564.2	1579.4
47.5°	1598.1	1598.1	1595.1	1590.0	1597.6	1599.1	1577.4	1575.4	1586.5	1586.5	1596.6
50°	1622.4	1625.0	1629.0	1628.0	1636.1	1641.2	1625.0	1621.9	1626.5	1611.8	1616.9
52.5°	1686.2	1692.8	1704.4	1713.5	1734.3	1750.0	1721.1	1696.8	1673.0	1640.6	1641.7
55°	1800.6	1803.6	1826.4	1853.2	1888.1	1920.0	1860.8	1785.4	1733.8	1695.8	1696.3
57.5°	1897.2	1901.8	1935.2	1991.3	2069.8	2119.4	1988.3	1862.3	1789.4	1742.9	1744.4
60°	1813.7	1807.6	1870.9	1967.1	2109.3	2172.5	1979.2	1807.1	1702.4	1644.7	1648.7
62.5°	1403.3	1391.7	1462.0	1562.7	1733.3	1796.5	1618.4	1453.4	1354.2	1309.2	1302.6
65°	854.2	843.6	894.2	955.9	1071.3	1111.3	1029.8	942.3	855.7	828.4	820.8
67.5°	465.1	463.6	477.2	507.6	558.2	576.9	561.2	519.7	497.5	478.2	478.2
70°	368.9	365.9	363.4	363.9	368.4	370.9	371.4	369.4	372.0	372.5	370.4
72.5°	305.7	304.6	299.6	300.1	298.1	297.1	300.6	302.6	306.7	307.2	307.2
75°	221.7	219.1	221.7	222.2	220.1	220.1	222.7	222.2	224.2	225.2	219.6
77.5°	126.0	126.0	129.6	133.6	136.6	136.6	139.2	139.2	141.7	141.2	140.2
80°	69.3	69.3	71.4	73.9	76.9	80.0	82.5	83.0	84.5	84.0	82.5
82.5°	39.5	40.0	41.0	42.5	45.5	48.1	50.6	51.1	52.6	52.6	51.1
85°	18.7	18.2	18.7	19.7	21.3	23.3	25.8	27.3	28.3	28.3	27.3
87.5°	3.5	4.0	3.5	4.0	4.6	6.1	7.1	8.1	9.6	10.1	9.1
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)