

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: P631915

Luminaire Tested: GWS-SA2B-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631915
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5880.2 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

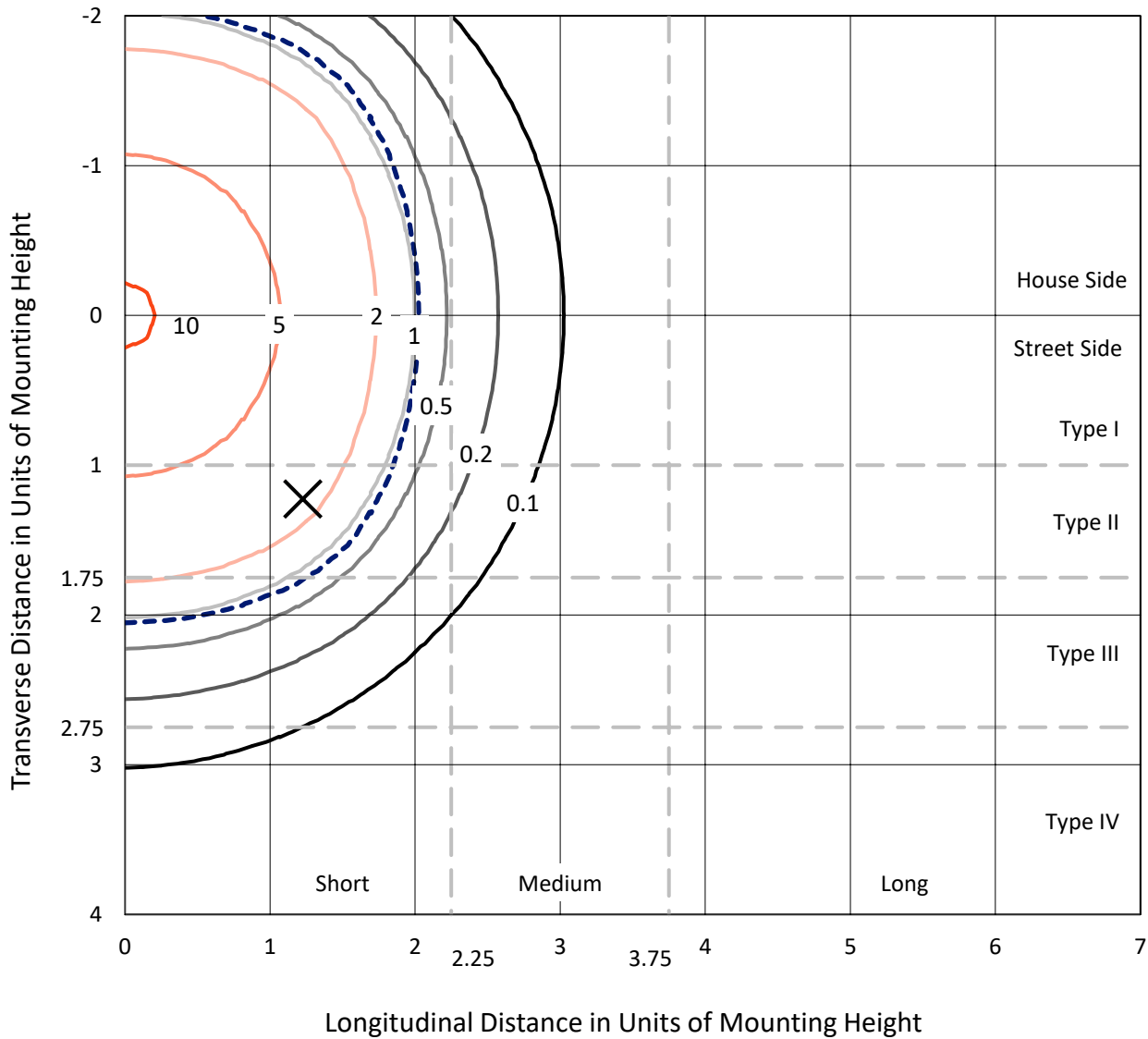
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

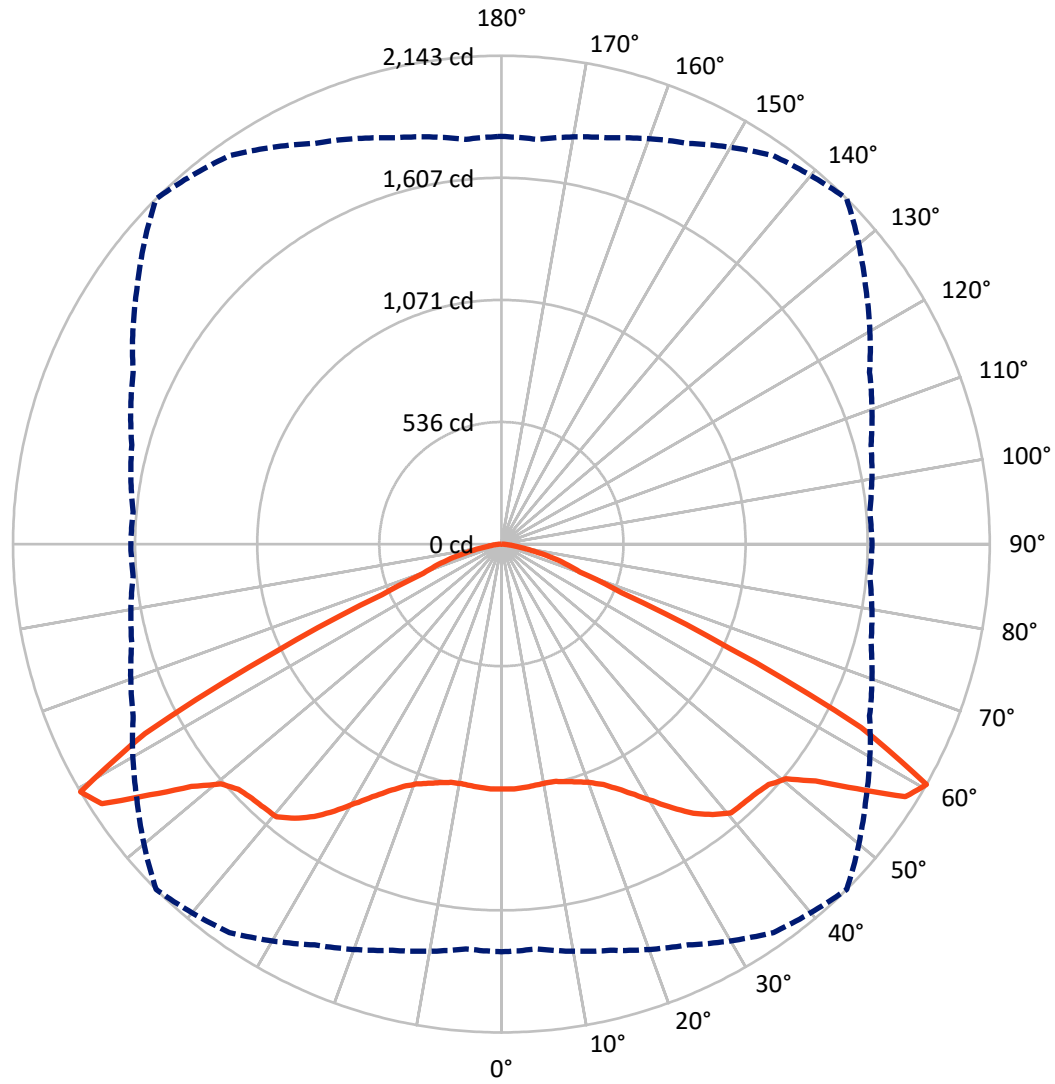
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 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	2940.1	0.0	2940.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2940.1	0.0	2940.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5880.2	0.0	5880.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	1.7
10°-20°	306.5	5.2
20°-30°	542.3	9.2
30°-40°	873.1	14.8
40°-50°	1200.1	20.4
50°-60°	1599.2	27.2
60°-70°	996.7	17.0
70°-80°	229.2	3.9
80°-90°	31.1	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°	5880.2	100.0
0°-180°	5880.2	100.0

Coefficient of Utilization



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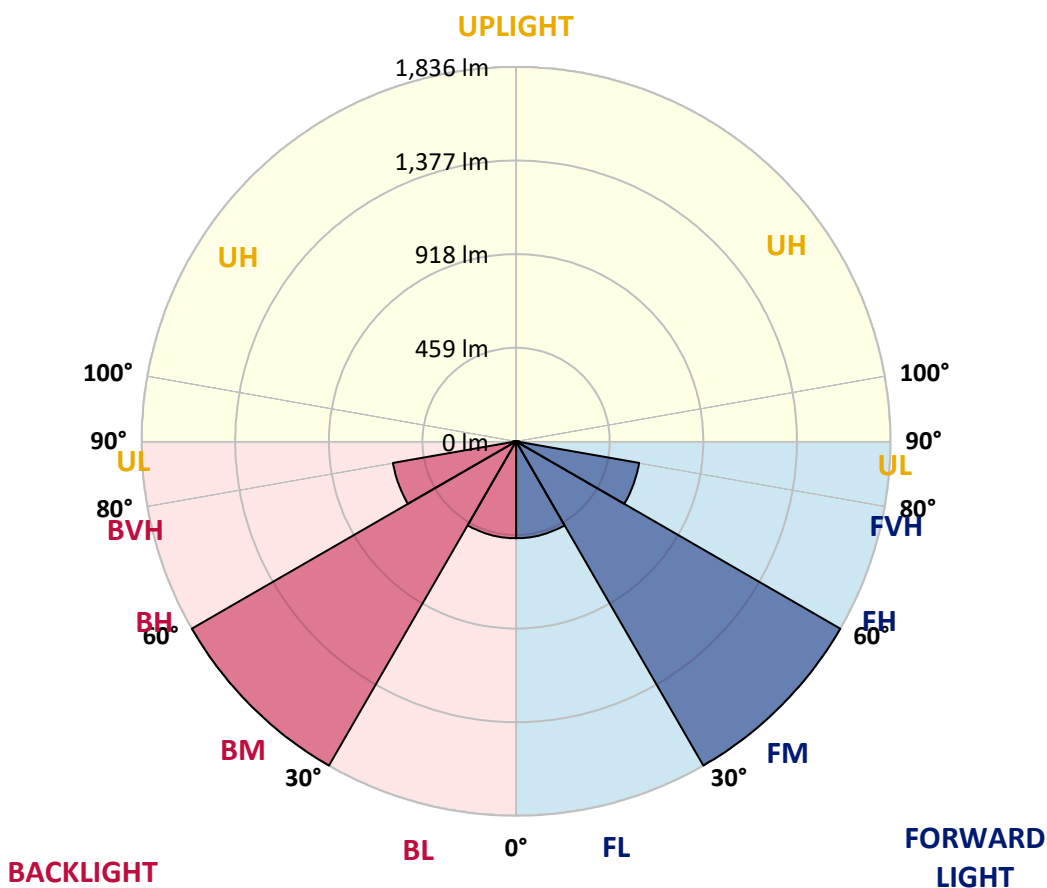
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	475.4	8.1			
FM (30°-60°)	1836.2	31.2			
FH (60°-80°)	613.0	10.4			G0/660
FVH (80°-90°)	15.6	0.3			G1/100
BL (0°-30°)	475.4	8.1	B1/500		
BM (30°-60°)	1836.2	31.2	B2/2500		
BH (60°-80°)	613.0	10.4	B2/1000		G0/660
BVH (80°-90°)	15.6	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°	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6
2.5°	1067.1	1068.1	1070.1	1071.6	1073.6	1075.6	1076.6	1074.6	1073.6	1069.6	1074.1
5°	1068.1	1069.1	1070.6	1070.6	1071.1	1072.6	1072.6	1070.1	1067.6	1063.1	1068.1
7.5°	1066.6	1067.6	1068.1	1067.6	1068.1	1068.6	1067.6	1064.6	1062.1	1058.1	1062.1
10°	1064.1	1065.1	1066.1	1065.1	1064.1	1065.6	1065.6	1063.6	1062.1	1058.1	1062.6
12.5°	1069.6	1071.1	1071.6	1069.1	1068.1	1068.6	1068.6	1066.6	1066.6	1063.1	1068.1
15°	1082.6	1083.6	1082.1	1079.1	1079.6	1081.1	1077.6	1072.6	1071.6	1070.1	1074.1
17.5°	1092.6	1093.6	1092.1	1090.1	1093.6	1097.1	1090.6	1081.1	1078.1	1077.1	1081.6
20°	1103.5	1105.0	1103.0	1105.5	1112.5	1116.5	1108.5	1095.6	1089.6	1088.1	1093.6
22.5°	1121.5	1123.5	1123.5	1129.0	1139.5	1146.0	1136.0	1118.5	1109.5	1107.0	1112.5
25°	1150.0	1151.5	1153.0	1163.9	1180.9	1189.9	1173.9	1150.0	1137.5	1133.5	1136.5
27.5°	1189.4	1191.9	1194.4	1210.4	1231.3	1244.3	1221.3	1191.4	1175.9	1167.9	1173.9
30°	1236.3	1239.8	1245.8	1263.8	1293.2	1307.7	1278.2	1241.8	1224.3	1215.8	1223.8
32.5°	1300.2	1300.7	1305.2	1325.2	1364.1	1380.6	1343.6	1303.2	1285.2	1275.2	1279.7
35°	1376.1	1376.6	1369.6	1390.0	1432.0	1450.4	1407.0	1366.1	1351.1	1348.1	1359.6
37.5°	1453.9	1449.4	1442.4	1451.4	1493.9	1505.8	1459.9	1425.0	1418.5	1424.0	1440.9
40°	1509.3	1501.8	1487.9	1494.4	1537.3	1551.3	1502.3	1469.4	1467.4	1480.9	1501.3
42.5°	1545.3	1537.3	1520.8	1520.8	1550.3	1556.2	1518.3	1500.8	1505.3	1520.8	1540.3
45°	1562.7	1558.2	1548.8	1543.8	1560.2	1562.7	1533.8	1526.8	1535.3	1542.8	1557.7
47.5°	1576.2	1576.2	1573.2	1568.2	1575.7	1577.2	1555.7	1553.8	1564.7	1564.7	1574.7
50°	1600.2	1602.7	1606.7	1605.7	1613.6	1618.6	1602.7	1599.7	1604.2	1589.7	1594.7
52.5°	1663.1	1669.5	1681.0	1690.0	1710.5	1725.9	1697.5	1673.5	1650.1	1618.1	1619.1
55°	1775.9	1778.9	1801.3	1827.8	1862.2	1893.6	1835.3	1760.9	1710.0	1672.5	1673.0
57.5°	1871.2	1875.7	1908.6	1964.0	2041.4	2090.3	1961.0	1836.7	1764.9	1719.0	1720.5
60°	1788.8	1782.8	1845.2	1940.1	2080.3	2142.7	1952.0	1782.3	1679.0	1622.1	1626.1
62.5°	1384.1	1372.6	1441.9	1541.3	1709.5	1771.9	1596.2	1433.5	1335.6	1291.2	1284.7
65°	842.5	832.0	881.9	942.8	1056.6	1096.1	1015.7	929.4	844.0	817.1	809.6
67.5°	458.7	457.2	470.7	500.6	550.5	569.0	553.5	512.6	490.6	471.7	471.7
70°	363.9	360.9	358.4	358.9	363.4	365.9	366.4	364.4	366.9	367.3	365.4
72.5°	301.5	300.5	295.5	296.0	294.0	293.0	296.5	298.5	302.5	303.0	303.0
75°	218.6	216.1	218.6	219.1	217.1	217.1	219.6	219.1	221.1	222.1	216.6
77.5°	124.3	124.3	127.8	131.8	134.8	134.8	137.3	137.3	139.8	139.3	138.3
80°	68.4	68.4	70.4	72.9	75.9	78.9	81.4	81.9	83.4	82.9	81.4
82.5°	38.9	39.4	40.4	41.9	44.9	47.4	49.9	50.4	51.9	51.9	50.4
85°	18.5	18.0	18.5	19.5	21.0	23.0	25.5	27.0	28.0	28.0	27.0
87.5°	3.5	4.0	3.5	4.0	4.5	6.0	7.0	8.0	9.5	10.0	9.0
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)