

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: P630924

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4023.2 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

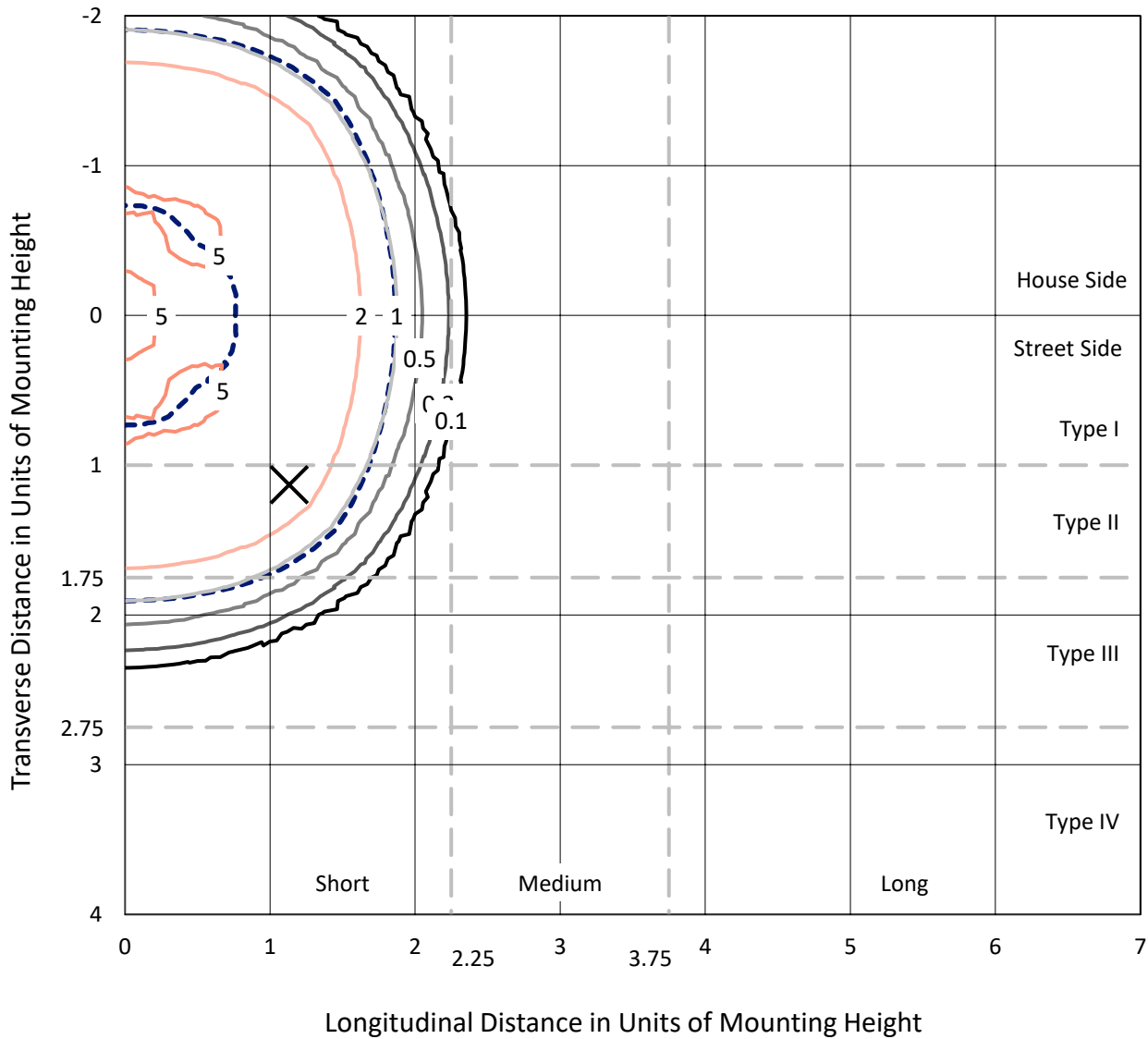
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

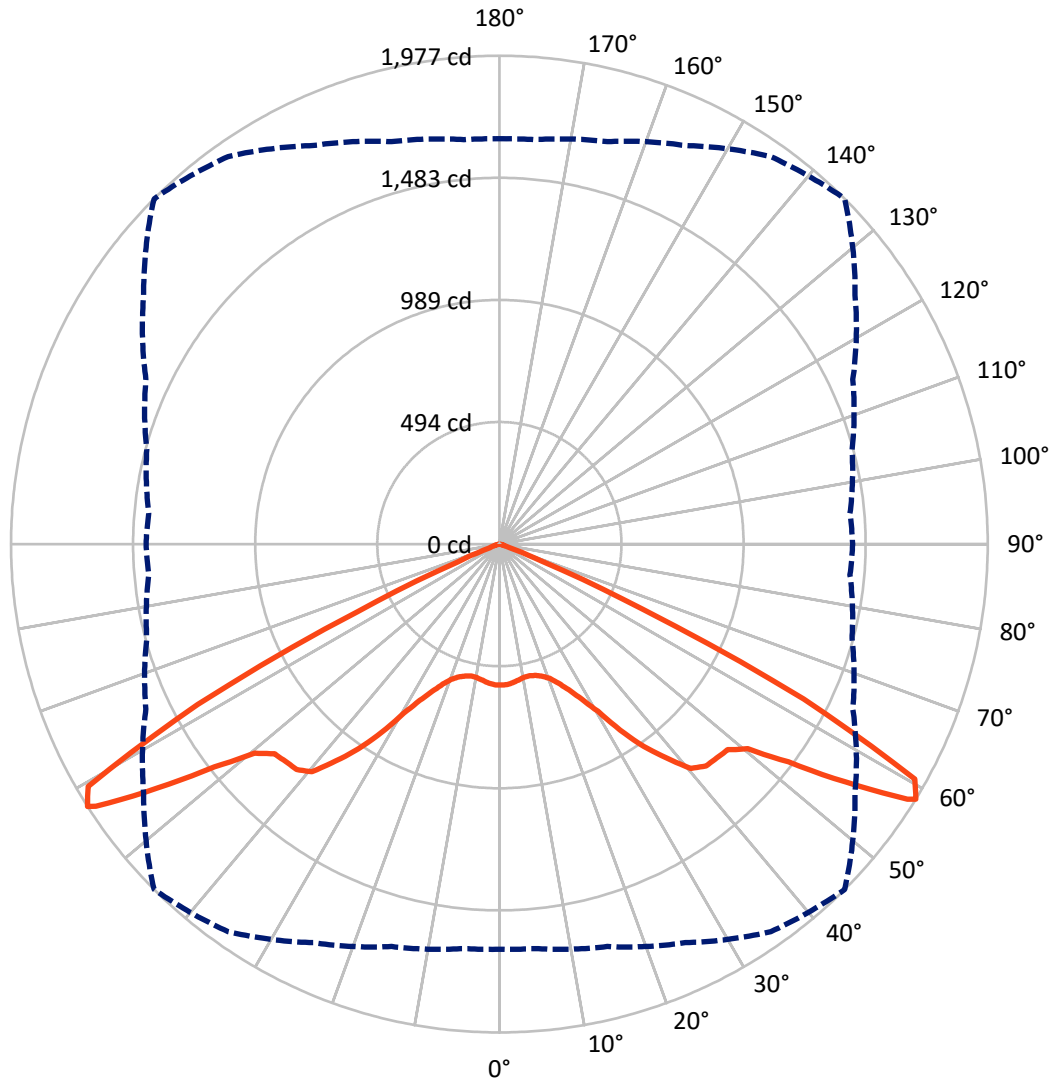
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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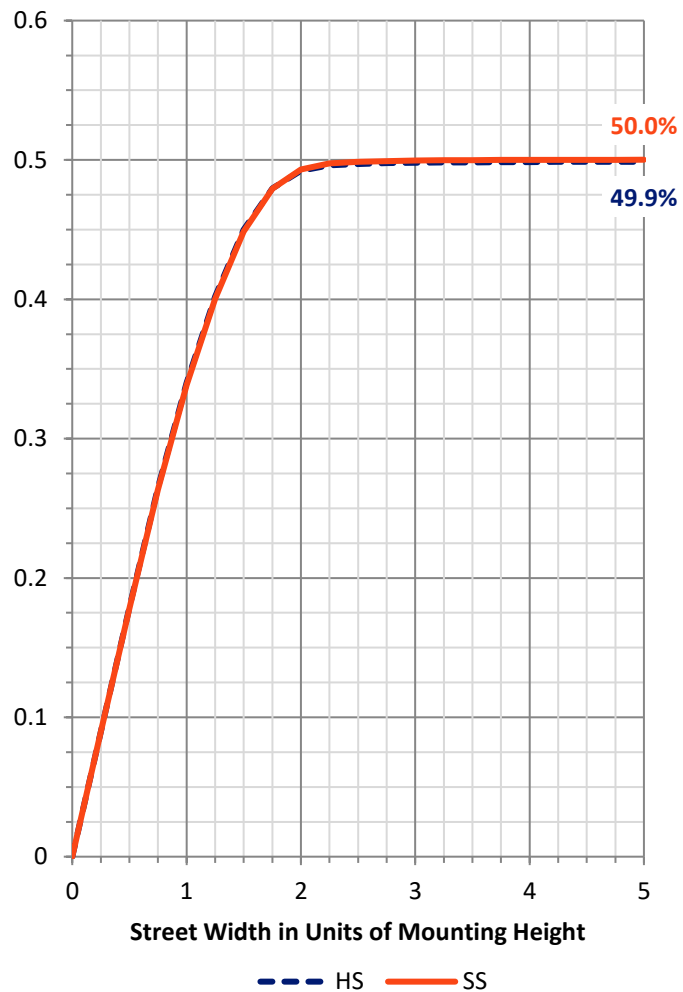
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2011.6	0.0	2011.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2011.6	0.0	2011.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4023.2	0.0	4023.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	1.3
10°-20°	157.5	3.9
20°-30°	297.9	7.4
30°-40°	587.5	14.6
40°-50°	929.7	23.1
50°-60°	1366.7	34.0
60°-70°	610.0	15.2
70°-80°	20.4	0.5
80°-90°	0.2	0.0
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°	4023.2	100.0
0°-180°	4023.2	100.0

Coefficient of Utilization



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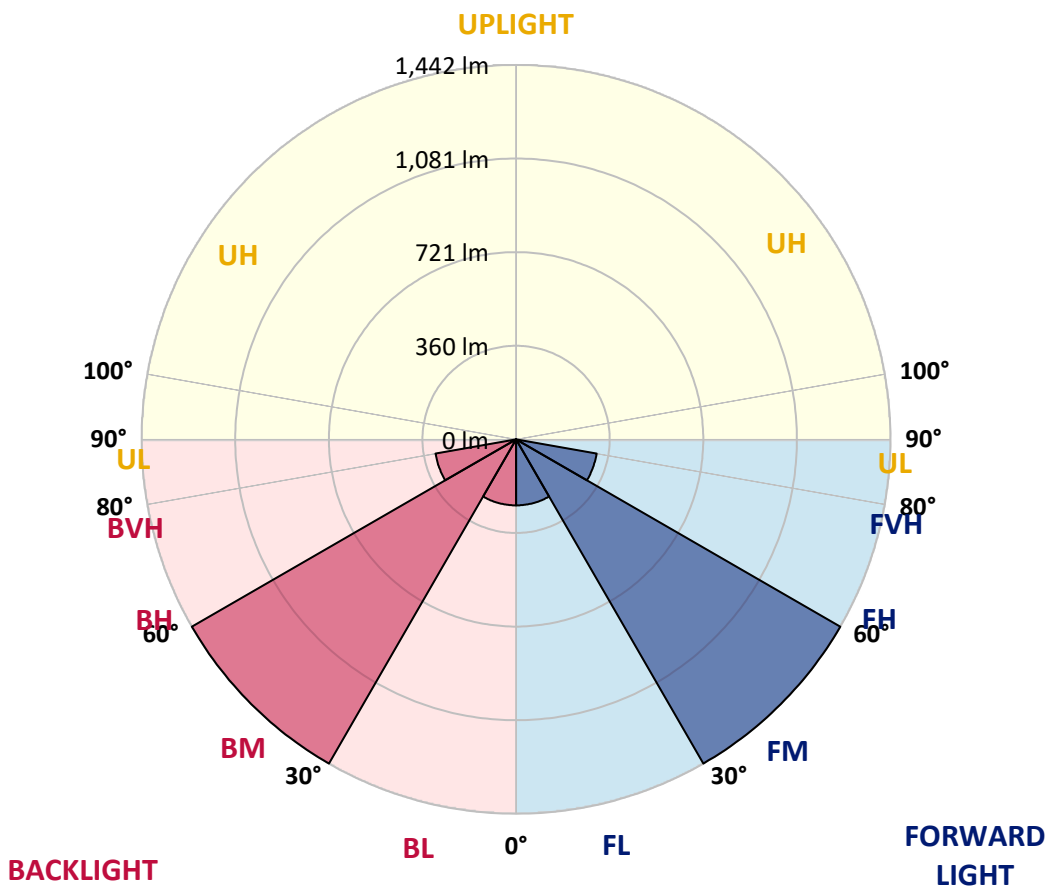
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	254.3	6.3			
FM (30°-60°)	1442.0	35.8			
FH (60°-80°)	315.2	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	254.3	6.3	B1/500		
BM (30°-60°)	1442.0	35.8	B2/2500		
BH (60°-80°)	315.2	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5
2.5°	565.1	566.2	567.3	567.8	568.4	570.0	570.5	568.9	568.9	565.6	569.4
5°	562.3	563.4	564.5	564.0	564.0	564.0	563.4	561.2	560.7	557.4	561.2
7.5°	557.4	558.5	558.5	556.8	555.7	555.7	555.2	552.5	551.9	548.6	552.5
10°	553.6	554.1	553.6	550.3	548.1	548.1	547.5	546.4	547.0	544.8	548.1
12.5°	555.7	556.3	554.1	549.7	547.0	546.4	544.8	543.1	544.8	544.2	547.5
15°	562.9	563.4	559.6	554.1	551.9	551.9	547.5	543.1	545.3	545.9	549.7
17.5°	571.6	571.6	566.7	561.8	562.3	562.3	555.2	547.5	548.1	550.3	554.1
20°	582.1	582.1	577.1	576.0	579.9	580.4	571.6	559.6	556.8	558.5	562.9
22.5°	600.7	600.7	596.9	599.6	608.4	611.1	597.9	581.0	574.4	575.5	579.9
25°	629.7	629.7	628.6	635.2	647.8	653.9	636.3	613.8	602.9	601.2	606.2
27.5°	678.5	679.1	677.4	687.3	703.2	710.3	686.2	656.6	643.4	640.7	645.6
30°	741.5	741.5	742.1	755.8	776.6	785.9	754.1	719.6	704.3	695.5	702.1
32.5°	811.7	812.8	818.3	841.3	878.0	897.2	850.6	802.4	777.7	768.4	775.5
35°	927.3	916.9	910.3	927.3	980.5	1005.7	946.0	889.5	870.9	869.8	887.9
37.5°	1041.9	1035.9	1022.2	1039.7	1087.4	1098.9	1033.1	986.0	972.8	980.0	998.0
40°	1132.9	1121.9	1103.8	1120.3	1182.7	1194.2	1113.1	1066.5	1061.6	1077.5	1102.2
42.5°	1204.7	1189.3	1165.2	1169.0	1219.5	1227.7	1155.9	1120.8	1124.1	1143.8	1171.8
45°	1237.0	1224.9	1203.6	1201.9	1233.7	1234.3	1177.8	1159.7	1168.5	1183.8	1205.8
47.5°	1250.7	1245.2	1233.2	1230.4	1248.5	1244.1	1209.0	1201.4	1209.6	1214.0	1226.6
50°	1284.7	1284.7	1286.3	1288.5	1307.2	1302.8	1278.1	1269.3	1258.9	1243.6	1247.4
52.5°	1380.0	1383.9	1399.8	1417.3	1451.3	1465.5	1425.5	1374.6	1324.7	1291.3	1291.3
55°	1552.1	1556.0	1574.6	1604.2	1666.7	1700.7	1607.5	1495.1	1426.6	1381.1	1387.2
57.5°	1647.0	1651.3	1689.7	1769.7	1890.8	1948.4	1748.4	1581.7	1485.8	1433.8	1438.1
58°	1640.9	1643.7	1687.0	1780.7	1915.5	1977.4	1758.2	1579.0	1478.2	1425.0	1430.5
60°	1457.9	1454.0	1523.1	1656.8	1847.0	1932.5	1660.1	1441.4	1324.1	1269.9	1272.6
62.5°	953.1	955.3	1015.0	1154.8	1302.8	1383.3	1159.7	996.9	902.7	869.8	861.6
65°	397.9	390.8	427.5	505.3	594.1	639.1	549.2	464.8	406.7	384.7	390.8
67.5°	102.5	99.7	101.9	127.7	156.2	184.7	155.1	118.4	103.0	104.1	104.1
70°	58.1	54.8	44.4	41.1	40.0	40.0	40.0	40.0	46.0	54.3	55.9
72.5°	43.8	41.1	32.3	28.0	24.7	23.0	24.1	28.0	33.4	40.6	41.7
75°	21.9	21.9	19.7	18.6	16.4	15.3	15.9	17.5	20.3	23.0	22.5
77.5°	4.4	4.9	5.5	6.6	5.5	5.5	5.5	6.6	6.6	7.1	6.6
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)