

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: P630759

Luminaire Tested: GWS-SA1E-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630759
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3933.1 lumens
Efficiency: N/A
Efficacy: 67.3 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

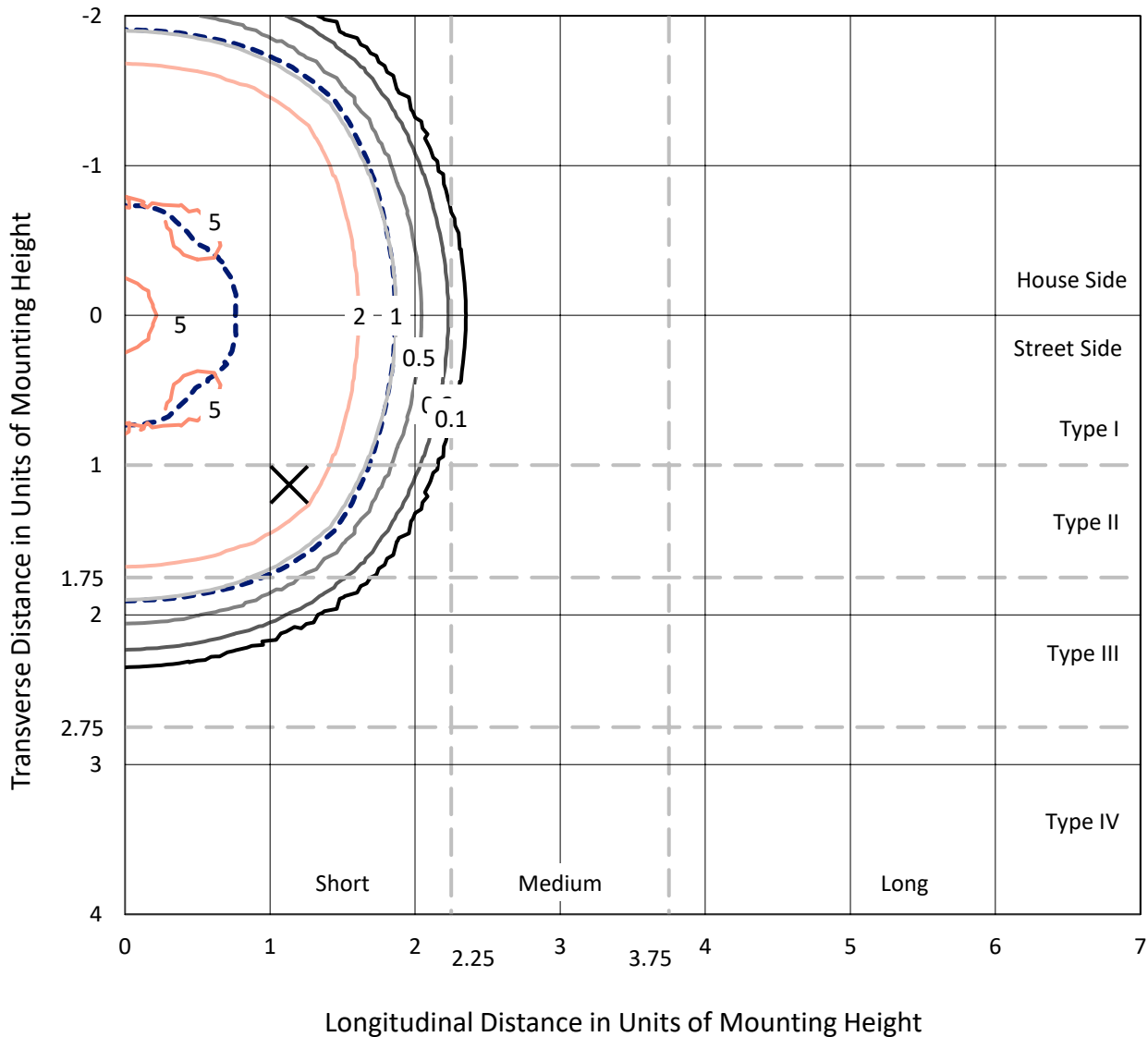


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Iso-Footcandle Lines of Horizontal Illumination

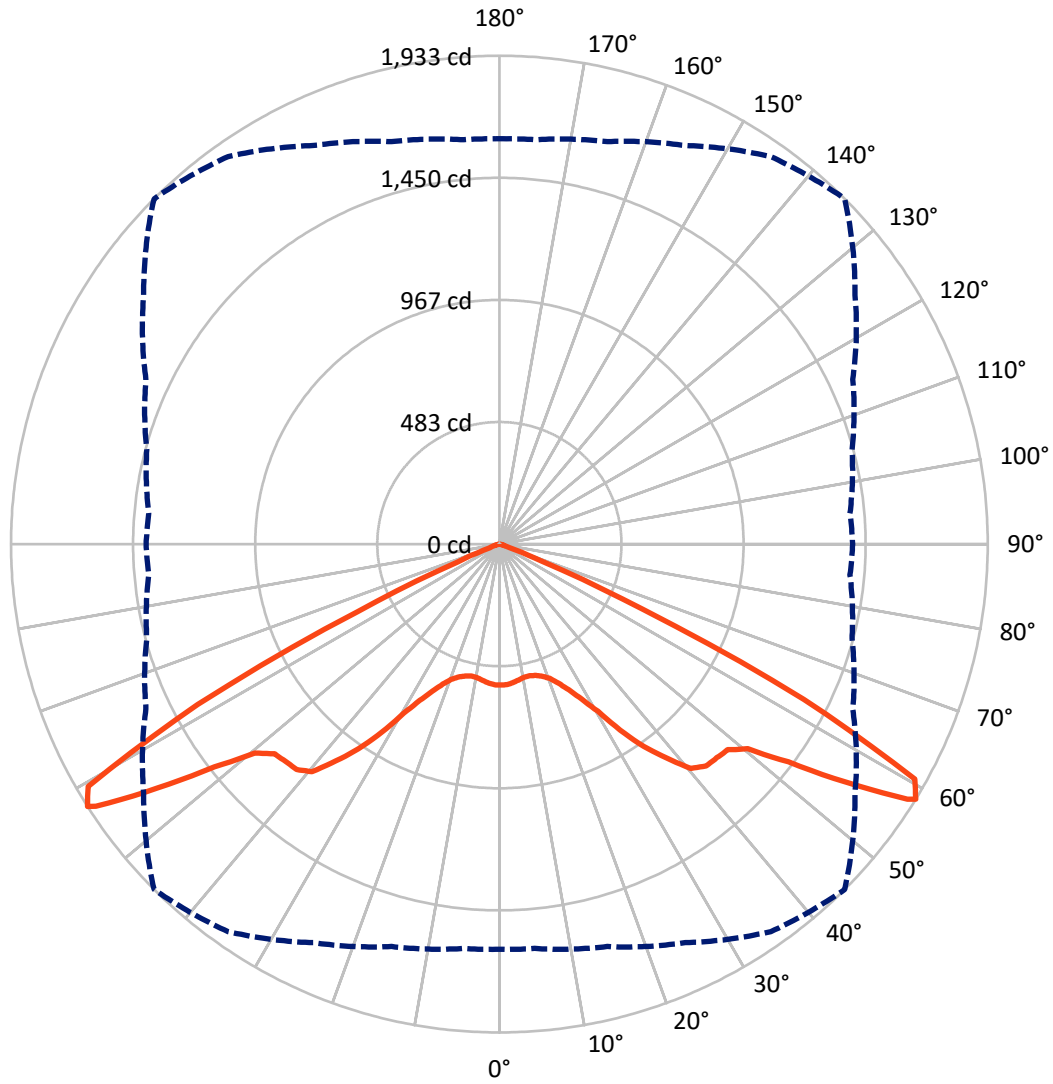
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 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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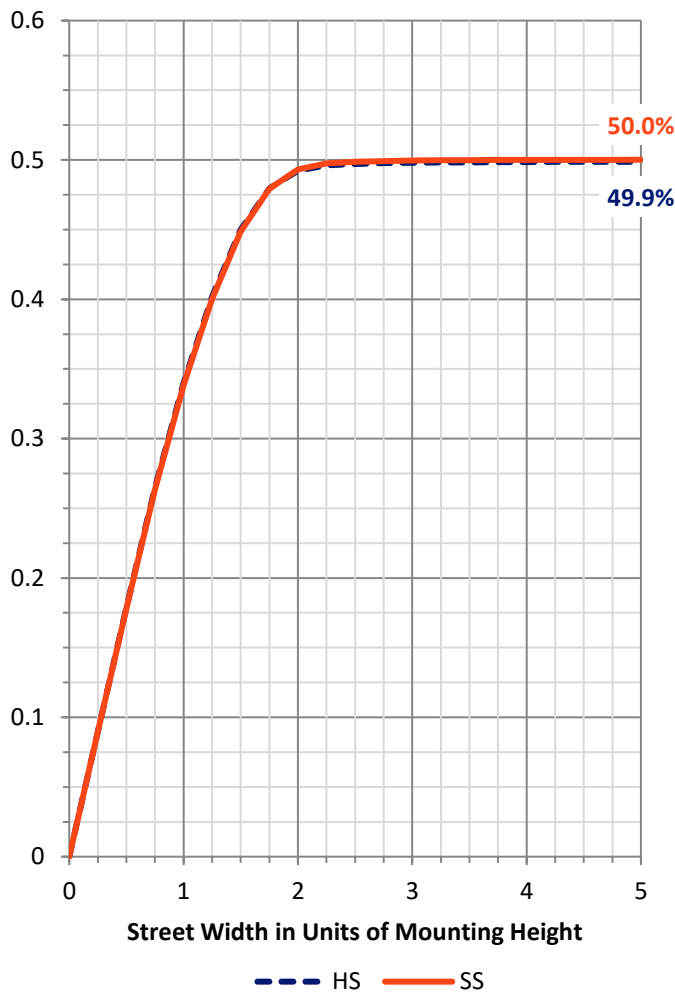
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1966.5	0.0	1966.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1966.5	0.0	1966.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3933.1	0.0	3933.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	1.3
10°-20°	154.0	3.9
20°-30°	291.2	7.4
30°-40°	574.4	14.6
40°-50°	908.9	23.1
50°-60°	1336.1	34.0
60°-70°	596.4	15.2
70°-80°	20.0	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°	3933.1	100.0
0°-180°	3933.1	100.0

Coefficient of Utilization



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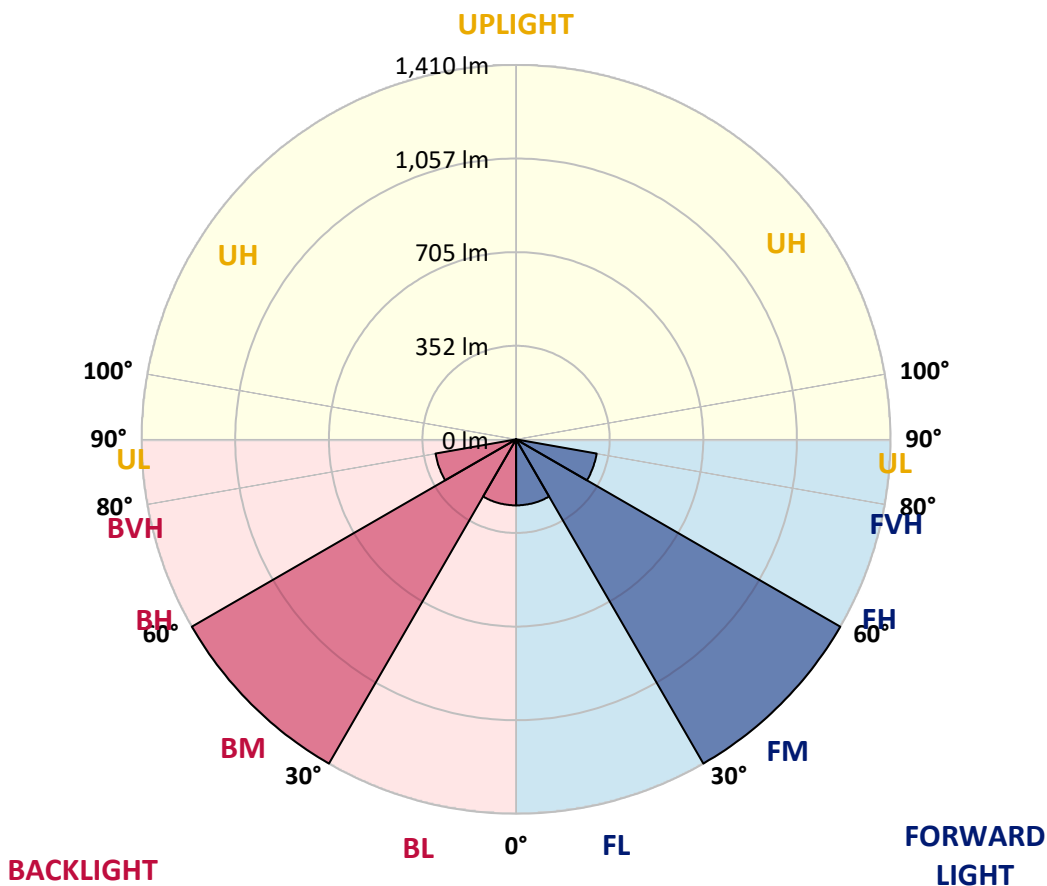
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.6	6.3			
FM (30°-60°)	1409.7	35.8			
FH (60°-80°)	308.2	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	248.6	6.3	B1/500		
BM (30°-60°)	1409.7	35.8	B2/2500		
BH (60°-80°)	308.2	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°	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8
2.5°	552.4	553.5	554.6	555.1	555.6	557.2	557.8	556.2	556.2	552.9	556.7
5°	549.7	550.8	551.9	551.3	551.3	551.3	550.8	548.7	548.1	544.9	548.7
7.5°	544.9	546.0	546.0	544.4	543.3	543.3	542.8	540.1	539.5	536.3	540.1
10°	541.2	541.7	541.2	537.9	535.8	535.8	535.3	534.2	534.7	532.6	535.8
12.5°	543.3	543.8	541.7	537.4	534.7	534.2	532.6	531.0	532.6	532.0	535.3
15°	550.3	550.8	547.0	541.7	539.5	539.5	535.3	531.0	533.1	533.7	537.4
17.5°	558.8	558.8	554.0	549.2	549.7	549.7	542.8	535.3	535.8	537.9	541.7
20°	569.0	569.0	564.2	563.1	566.9	567.4	558.8	547.0	544.4	546.0	550.3
22.5°	587.2	587.2	583.5	586.2	594.7	597.4	584.6	567.9	561.5	562.6	566.9
25°	615.6	615.6	614.6	621.0	633.3	639.2	622.1	600.1	589.4	587.8	592.6
27.5°	663.3	663.9	662.2	671.9	687.4	694.4	670.8	641.9	629.0	626.3	631.2
30°	724.9	724.9	725.5	738.9	759.2	768.3	737.3	703.5	688.5	679.9	686.4
32.5°	793.5	794.6	799.9	822.5	858.3	877.1	831.6	784.4	760.3	751.2	758.2
35°	906.6	896.4	890.0	906.6	958.5	983.2	924.8	869.6	851.4	850.3	868.0
37.5°	1018.6	1012.7	999.3	1016.4	1063.0	1074.3	1010.0	963.9	951.0	958.0	975.7
40°	1107.5	1096.8	1079.1	1095.2	1156.3	1167.5	1088.2	1042.7	1037.8	1053.4	1077.5
42.5°	1177.7	1162.7	1139.1	1142.9	1192.2	1200.2	1130.0	1095.7	1098.9	1118.2	1145.5
45°	1209.3	1197.5	1176.6	1175.0	1206.1	1206.6	1151.4	1133.7	1142.3	1157.3	1178.8
47.5°	1222.7	1217.3	1205.5	1202.9	1220.5	1216.3	1182.0	1174.5	1182.5	1186.8	1199.1
50°	1255.9	1255.9	1257.5	1259.7	1277.9	1273.6	1249.5	1240.9	1230.7	1215.7	1219.5
52.5°	1349.1	1352.9	1368.4	1385.6	1418.8	1432.7	1393.6	1343.8	1295.0	1262.3	1262.3
55°	1517.4	1521.1	1539.3	1568.3	1629.4	1662.6	1571.5	1461.7	1394.7	1350.2	1356.1
57.5°	1610.1	1614.4	1651.9	1730.1	1848.5	1904.8	1709.2	1546.3	1452.5	1401.6	1405.9
58°	1604.2	1606.9	1649.2	1740.8	1872.6	1933.2	1718.8	1543.6	1445.0	1393.1	1398.4
60°	1425.2	1421.5	1489.0	1619.7	1805.6	1889.2	1622.9	1409.1	1294.5	1241.4	1244.1
62.5°	931.8	933.9	992.3	1128.9	1273.6	1352.4	1133.7	974.6	882.5	850.3	842.3
65°	389.0	382.0	417.9	494.0	580.8	624.7	536.9	454.4	397.6	376.1	382.0
67.5°	100.2	97.5	99.7	124.8	152.7	180.6	151.6	115.7	100.7	101.8	101.8
70°	56.8	53.6	43.4	40.2	39.1	39.1	39.1	39.1	45.0	53.0	54.7
72.5°	42.9	40.2	31.6	27.3	24.1	22.5	23.6	27.3	32.7	39.6	40.7
75°	21.4	21.4	19.3	18.2	16.1	15.0	15.5	17.1	19.8	22.5	22.0
77.5°	4.3	4.8	5.4	6.4	5.4	5.4	5.4	6.4	6.4	7.0	6.4
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)