

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: P629768

Luminaire Tested: GWS-SA1C-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 3335.9 lumens
Efficiency: N/A
Efficacy: 97.8 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

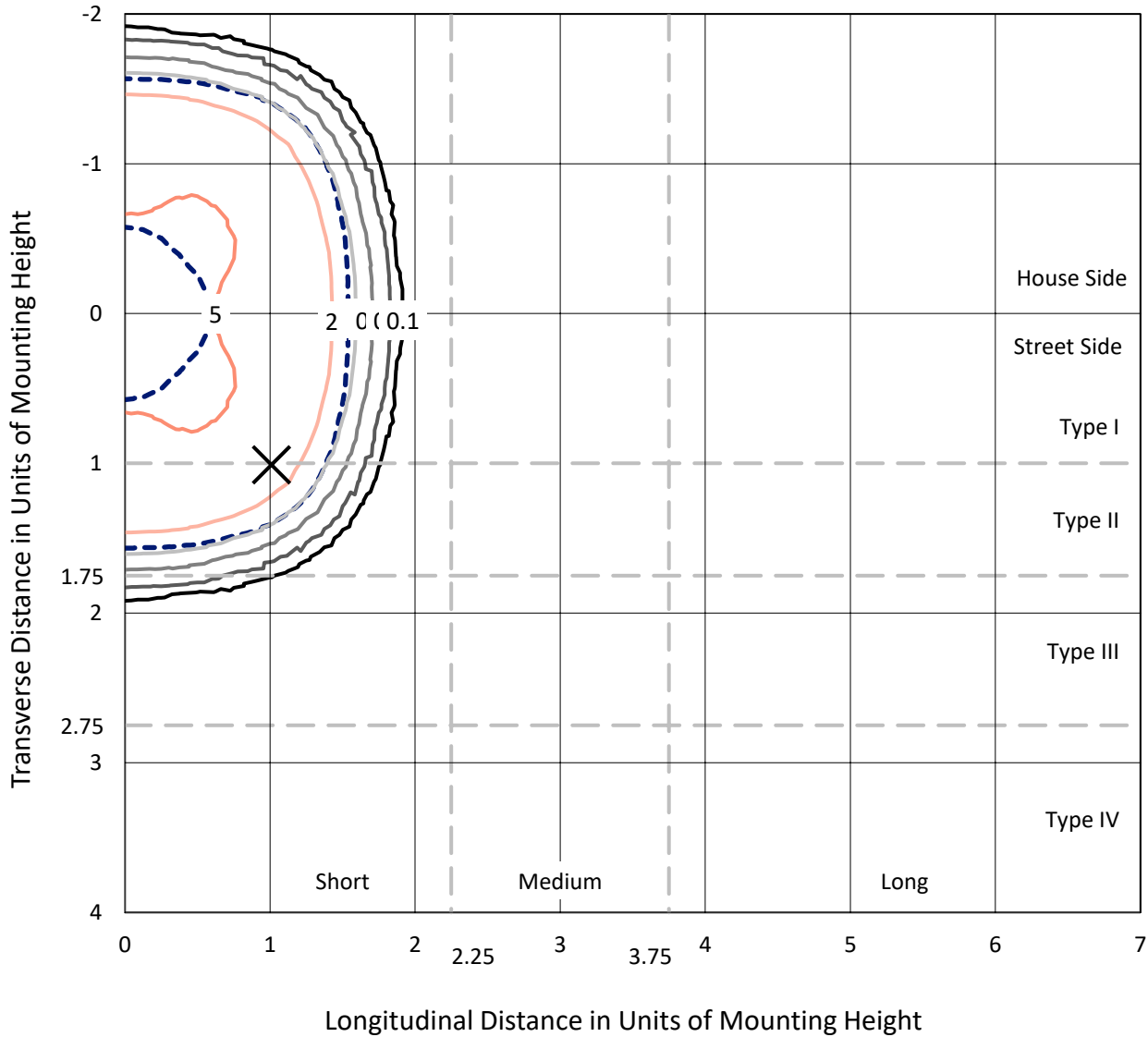
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

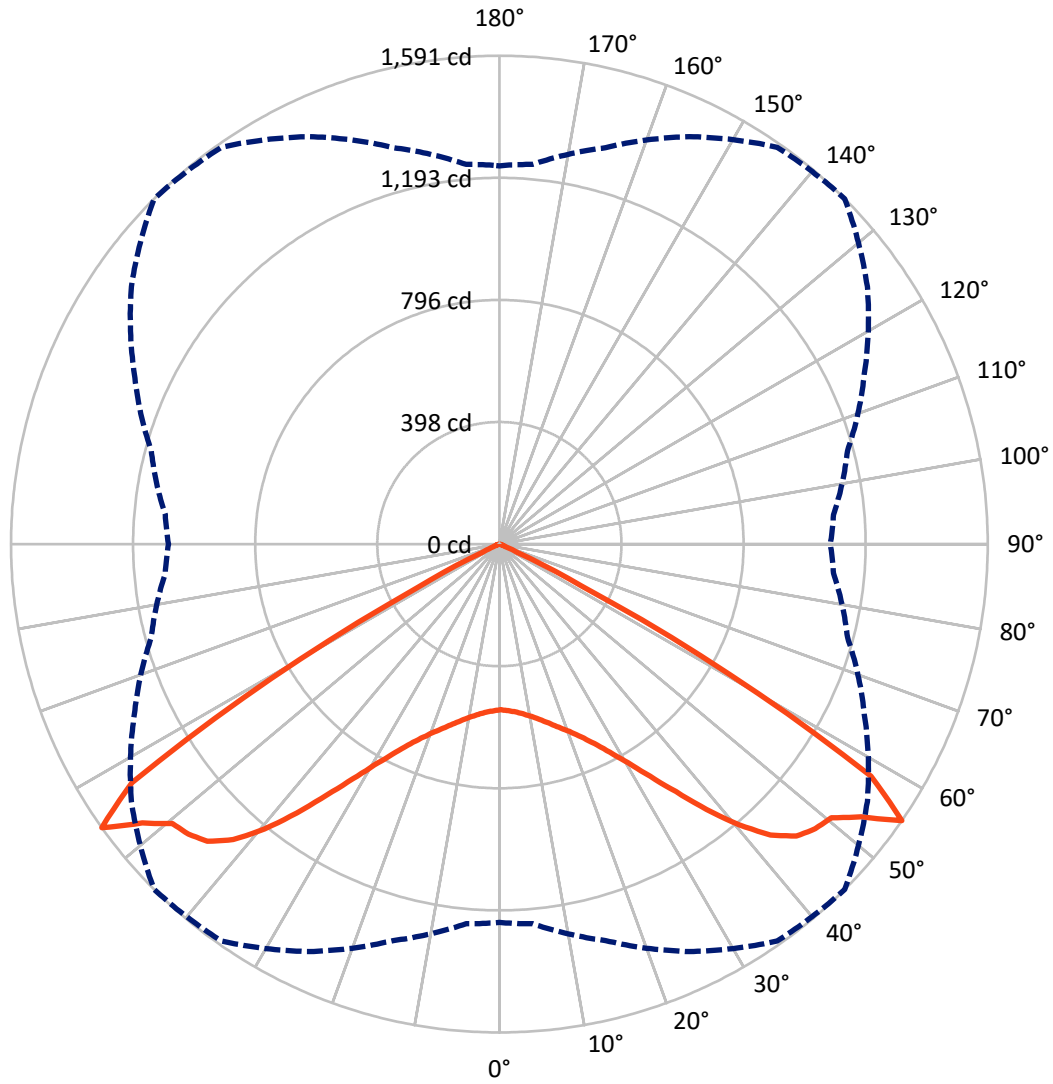
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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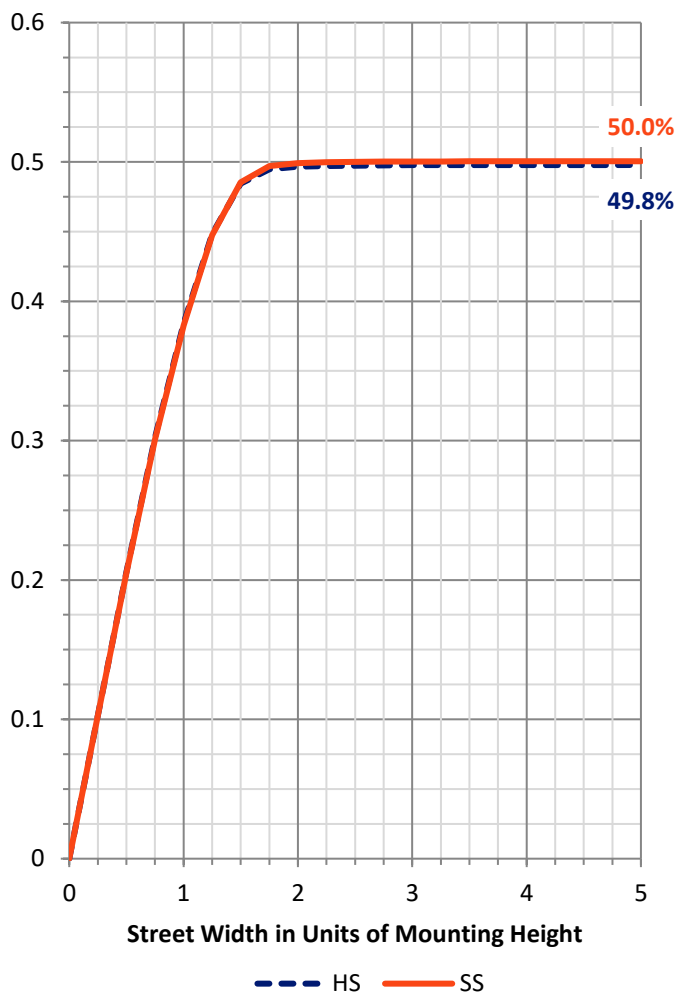
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1667.9	0.0	1667.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1667.9	0.0	1667.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3335.9	0.0	3335.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	1.6
10°-20°	171.3	5.1
20°-30°	331.7	9.9
30°-40°	594.3	17.8
40°-50°	996.4	29.9
50°-60°	1066.6	32.0
60°-70°	117.2	3.5
70°-80°	5.2	0.2
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°	3335.9	100.0
0°-180°	3335.9	100.0

Coefficient of Utilization



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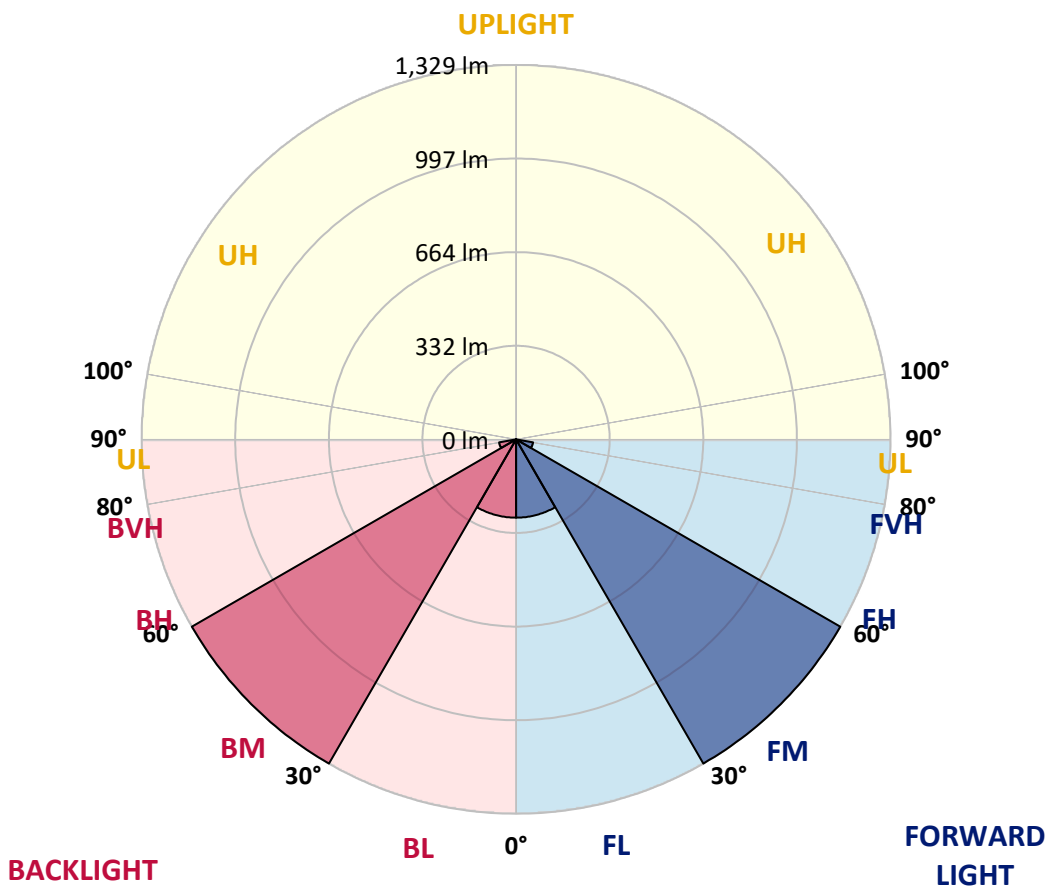
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	277.9	8.3			
FM (30°-60°)	1328.7	39.8			
FH (60°-80°)	61.2	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	277.9	8.3	B1/500		
BM (30°-60°)	1328.7	39.8	B2/2500		
BH (60°-80°)	61.2	1.8	B0/110		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°	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4
2.5°	538.3	538.3	539.7	540.7	540.7	543.4	542.4	541.4	541.4	540.0	542.7
5°	546.1	545.8	547.2	547.8	546.5	549.2	547.5	546.5	545.8	544.4	547.2
7.5°	554.6	555.0	555.3	556.7	556.0	558.7	557.4	555.3	554.6	552.6	555.3
10°	564.8	564.8	565.5	567.2	567.6	571.0	569.6	567.2	565.2	563.1	565.9
12.5°	577.8	578.1	579.1	581.5	582.9	586.6	584.6	579.8	576.7	574.4	577.4
15°	596.4	596.1	597.5	600.9	602.6	605.3	602.2	595.8	592.0	589.3	591.3
17.5°	616.8	616.8	617.5	620.9	623.3	627.4	623.6	615.8	612.4	608.7	610.7
20°	639.3	640.3	641.0	643.3	647.4	651.5	648.4	640.6	636.9	632.1	634.5
22.5°	668.8	667.8	668.2	672.2	678.0	682.1	679.7	670.5	664.1	660.3	661.7
25°	701.8	701.5	702.5	708.6	715.1	719.5	716.1	704.2	697.7	691.3	694.0
27.5°	742.2	742.6	743.3	750.7	760.9	767.4	758.9	747.0	738.2	729.7	731.7
30°	790.2	789.5	791.5	801.7	816.7	826.9	817.0	800.4	787.8	779.6	780.6
32.5°	841.1	841.8	847.3	863.6	883.3	901.3	881.2	859.2	842.8	827.5	829.6
35°	896.2	897.9	910.1	934.3	966.5	990.7	962.8	926.4	903.3	883.6	884.3
37.5°	961.1	965.2	982.2	1018.2	1064.4	1096.7	1055.9	1007.7	977.8	953.3	951.6
40°	1046.4	1051.2	1074.3	1117.1	1173.2	1202.7	1155.5	1105.9	1068.8	1042.3	1038.3
42.5°	1144.3	1150.4	1175.6	1219.4	1275.5	1295.5	1249.3	1207.5	1174.2	1142.9	1141.6
45°	1254.7	1258.1	1278.5	1312.2	1352.6	1357.4	1322.7	1299.6	1266.0	1236.7	1234.4
47.5°	1358.4	1361.8	1375.7	1393.1	1402.6	1385.6	1379.5	1369.3	1325.8	1289.8	1282.3
50°	1437.2	1440.0	1457.3	1464.1	1437.6	1401.6	1413.5	1391.7	1344.5	1304.0	1292.5
52.5°	1431.8	1438.6	1483.1	1521.9	1505.2	1476.0	1444.0	1397.1	1323.7	1268.3	1254.1
55°	1232.7	1241.8	1337.3	1464.8	1578.6	1591.2	1463.4	1312.2	1174.2	1093.0	1078.4
57.5°	792.2	794.6	911.2	1089.9	1346.5	1427.4	1213.6	989.3	817.7	728.3	722.2
60°	291.3	286.5	374.5	522.7	775.6	861.2	714.4	500.3	356.8	293.6	288.5
62.5°	70.0	70.7	87.7	131.5	243.3	301.1	237.9	132.9	84.6	71.0	70.4
65°	35.3	34.7	35.0	37.7	52.0	62.2	51.0	36.0	34.7	35.0	34.7
67.5°	22.8	22.4	23.1	23.5	23.1	21.8	21.4	22.1	22.1	22.4	21.8
70°	13.9	13.6	14.3	15.3	14.6	12.9	13.6	14.3	13.6	13.3	13.3
72.5°	7.5	7.5	8.2	8.8	8.2	7.5	7.5	7.8	7.5	7.5	7.5
75°	3.4	3.4	3.7	4.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4
77.5°	1.0	1.0	1.4	1.4	1.0	1.0	1.0	1.0	1.4	1.4	1.4
80°	0.3	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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)