

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: P629604

Luminaire Tested: GWS-SA1C-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3209.7 lumens
Efficiency: N/A
Efficacy: 94.1 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

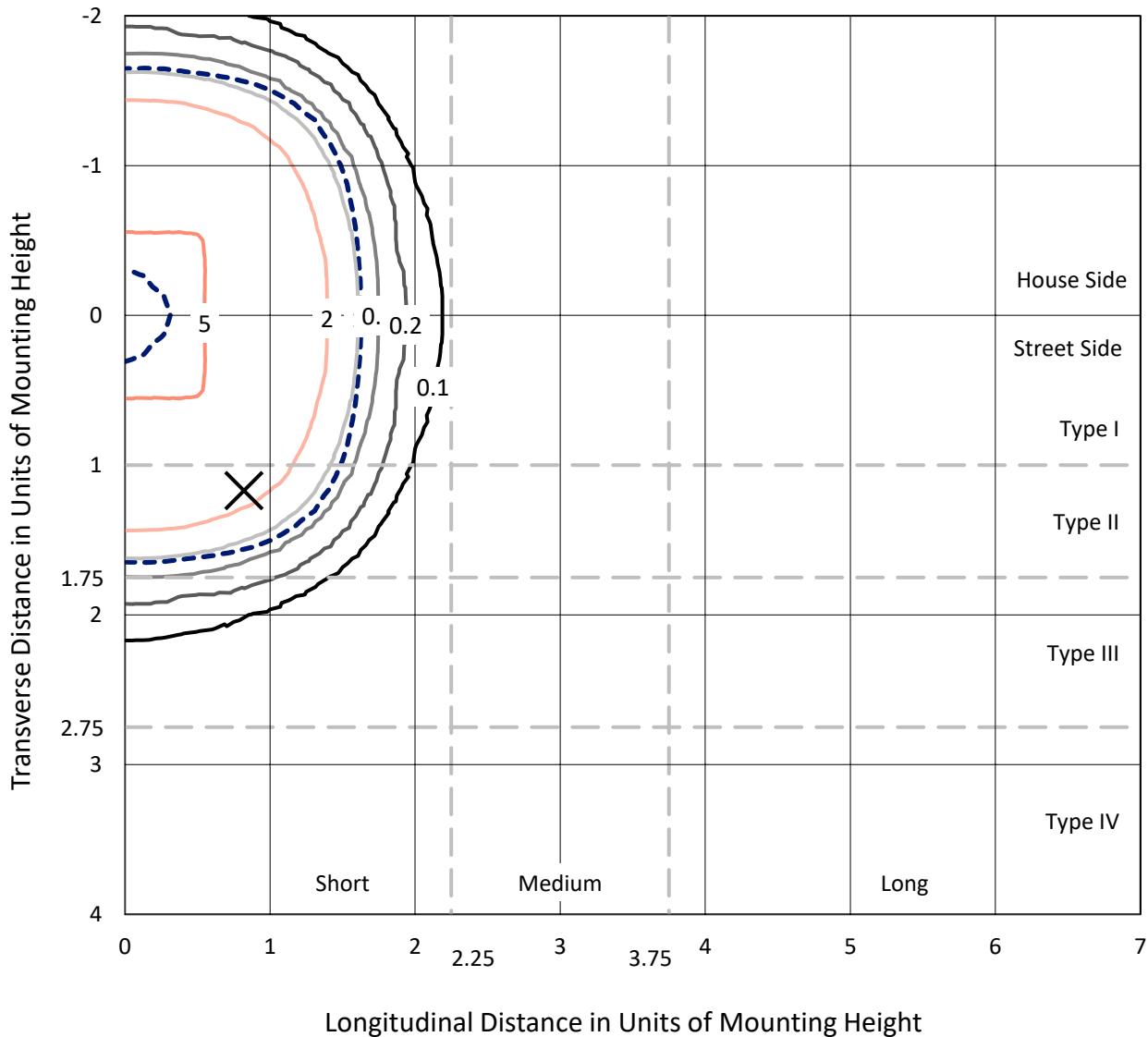
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

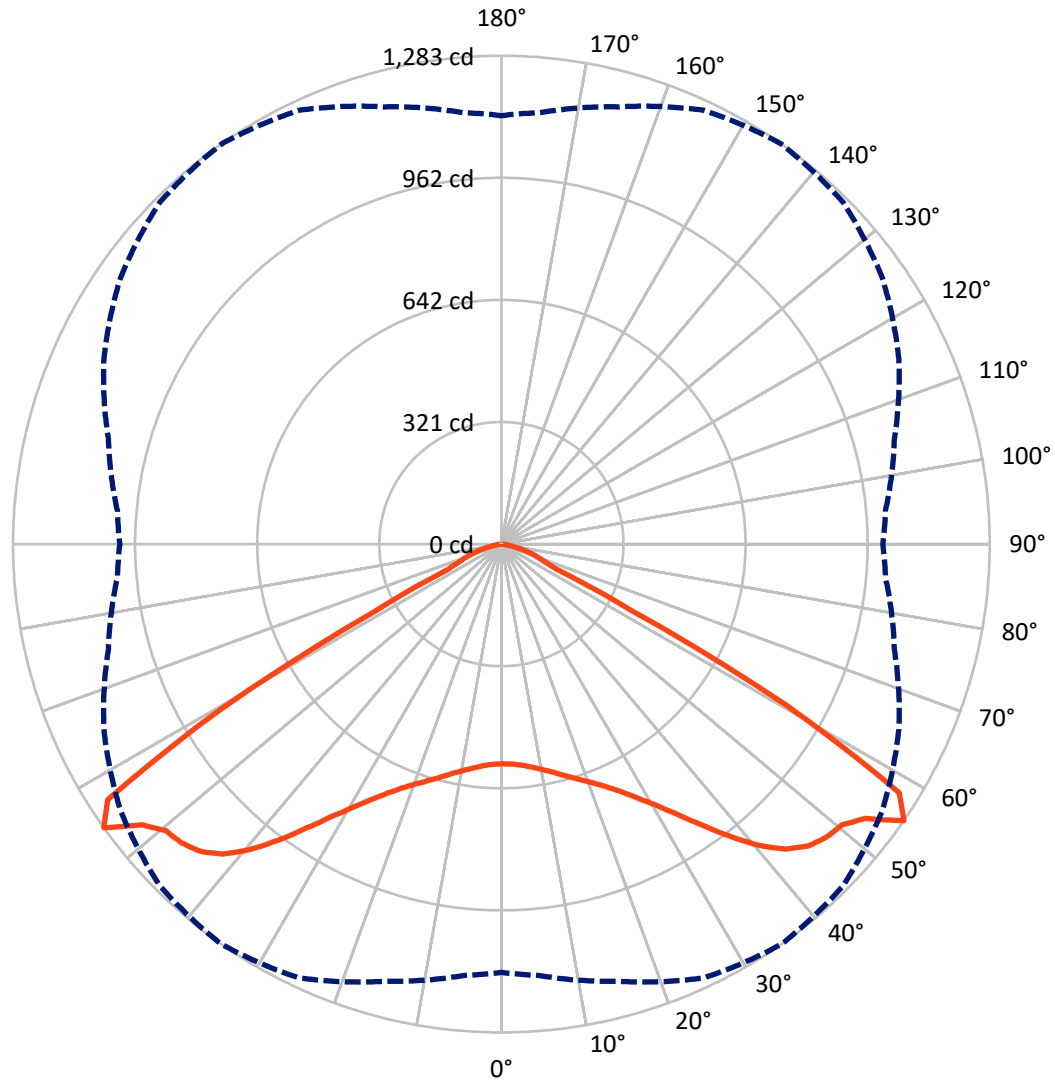
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1604.9	0.0	1604.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1604.9	0.0	1604.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3209.7	0.0	3209.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.8
10°-20°	179.3	5.6
20°-30°	331.9	10.3
30°-40°	555.2	17.3
40°-50°	846.0	26.4
50°-60°	947.7	29.5
60°-70°	224.2	7.0
70°-80°	60.5	1.9
80°-90°	8.7	0.3
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°	3209.7	100.0
0°-180°	3209.7	100.0

Coefficient of Utilization



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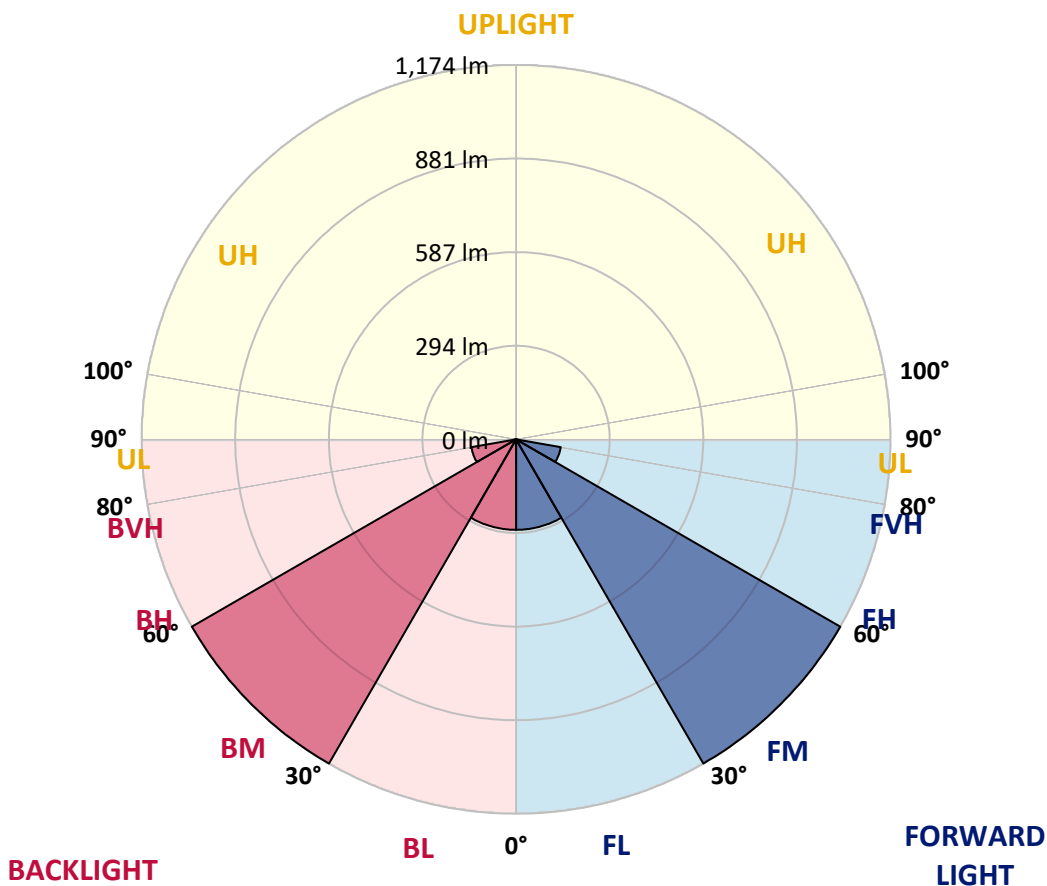
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.8	8.8			
FM (30°-60°)	1174.4	36.6			
FH (60°-80°)	142.3	4.4			G0/660
FVH (80°-90°)	4.4	0.1			G0/10
BL (0°-30°)	283.8	8.8	B1/500		
BM (30°-60°)	1174.4	36.6	B2/2500		
BH (60°-80°)	142.3	4.4	B1/500		G0/660
BVH (80°-90°)	4.4	0.1			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°	577.4	577.4	577.4	577.4	577.4	577.4	577.4	577.4	577.4	577.4	577.4
2.5°	576.2	576.2	577.2	578.4	578.7	581.2	580.7	579.7	579.2	578.2	580.5
5°	582.5	582.8	583.5	584.3	583.8	585.8	585.0	583.8	583.0	581.7	584.0
7.5°	590.9	590.9	591.6	592.7	592.2	595.2	593.7	591.9	590.6	589.1	591.1
10°	598.5	599.0	599.8	601.8	602.8	606.1	605.1	602.6	600.5	598.8	601.0
12.5°	609.9	610.4	611.2	614.0	615.8	619.1	617.5	614.0	610.9	608.4	610.9
15°	624.6	624.1	626.2	629.7	632.0	635.1	633.3	627.2	623.1	619.8	622.4
17.5°	639.6	639.4	641.4	646.0	649.3	653.3	650.3	643.2	638.9	634.8	637.3
20°	655.9	656.6	658.7	663.0	667.8	673.1	670.6	663.0	658.1	653.6	655.6
22.5°	675.9	676.2	678.5	684.0	690.4	695.5	693.9	684.5	678.5	673.6	676.2
25°	700.0	699.8	702.8	709.4	718.3	723.4	720.1	709.7	703.1	697.5	699.5
27.5°	727.7	727.4	732.0	740.6	753.3	760.4	753.6	740.6	731.5	723.6	725.4
30°	762.5	761.7	766.8	778.5	795.0	806.9	796.7	778.7	766.8	758.4	760.2
32.5°	801.0	802.1	808.4	824.1	845.0	860.4	845.2	825.2	809.2	797.0	799.0
35°	843.4	843.4	856.4	875.9	905.6	926.2	902.6	873.6	852.3	835.6	836.1
37.5°	890.6	891.2	908.2	935.1	973.9	998.0	966.0	930.2	904.3	886.3	885.3
40°	948.3	949.8	967.3	997.2	1040.9	1063.0	1028.7	993.7	967.3	946.0	943.9
42.5°	1013.2	1013.7	1032.3	1059.2	1096.0	1109.2	1082.3	1053.6	1032.0	1012.7	1010.7
45°	1075.2	1073.9	1089.9	1109.9	1131.3	1132.5	1117.6	1105.9	1087.1	1070.6	1067.6
47.5°	1123.4	1122.4	1136.8	1147.8	1150.3	1137.9	1142.7	1144.5	1122.6	1100.3	1094.5
50°	1152.8	1154.9	1168.6	1174.7	1159.7	1139.4	1157.7	1153.1	1121.9	1092.7	1083.3
52.5°	1170.6	1173.6	1197.5	1213.0	1197.5	1178.2	1180.8	1153.9	1108.9	1070.3	1058.2
55°	1125.7	1137.9	1189.4	1257.9	1283.3	1269.8	1221.6	1152.3	1069.1	1013.0	1002.6
57.5°	834.3	853.6	930.0	1078.5	1232.8	1281.8	1140.9	966.0	839.9	767.8	761.7
60°	425.9	447.5	508.6	661.2	859.7	928.7	794.7	618.6	491.6	433.3	426.7
62.5°	173.9	177.4	197.5	256.4	380.0	438.3	385.0	270.3	203.1	187.1	187.3
65°	136.8	137.6	136.6	140.1	159.1	176.7	163.2	143.4	139.9	141.6	140.4
67.5°	119.3	119.5	118.8	118.8	119.5	118.8	120.3	121.1	121.6	123.6	122.3
70°	99.8	100.0	100.0	100.5	100.3	99.0	101.3	102.3	102.5	103.8	103.0
72.5°	77.2	77.9	78.4	78.7	78.4	77.7	78.9	80.7	80.5	81.7	80.5
75°	52.3	53.3	53.8	54.8	54.6	54.6	56.1	56.9	56.1	57.1	56.1
77.5°	29.7	30.5	32.0	33.0	34.0	34.8	35.8	36.3	36.0	36.5	36.0
80°	17.3	17.5	18.8	19.3	20.6	21.8	22.8	23.4	23.6	23.9	23.6
82.5°	9.9	10.2	10.7	11.2	12.2	13.2	14.2	15.0	15.0	15.2	15.0
85°	4.8	4.8	5.1	5.3	5.8	6.6	7.4	8.1	8.4	8.4	8.4
87.5°	0.8	0.8	1.0	1.0	1.3	1.5	2.0	2.5	2.8	2.8	2.8
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)