

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: P630594

Luminaire Tested: GWS-SA1E-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630594
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2937.4 lumens
Efficiency: N/A
Efficacy: 50.3 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

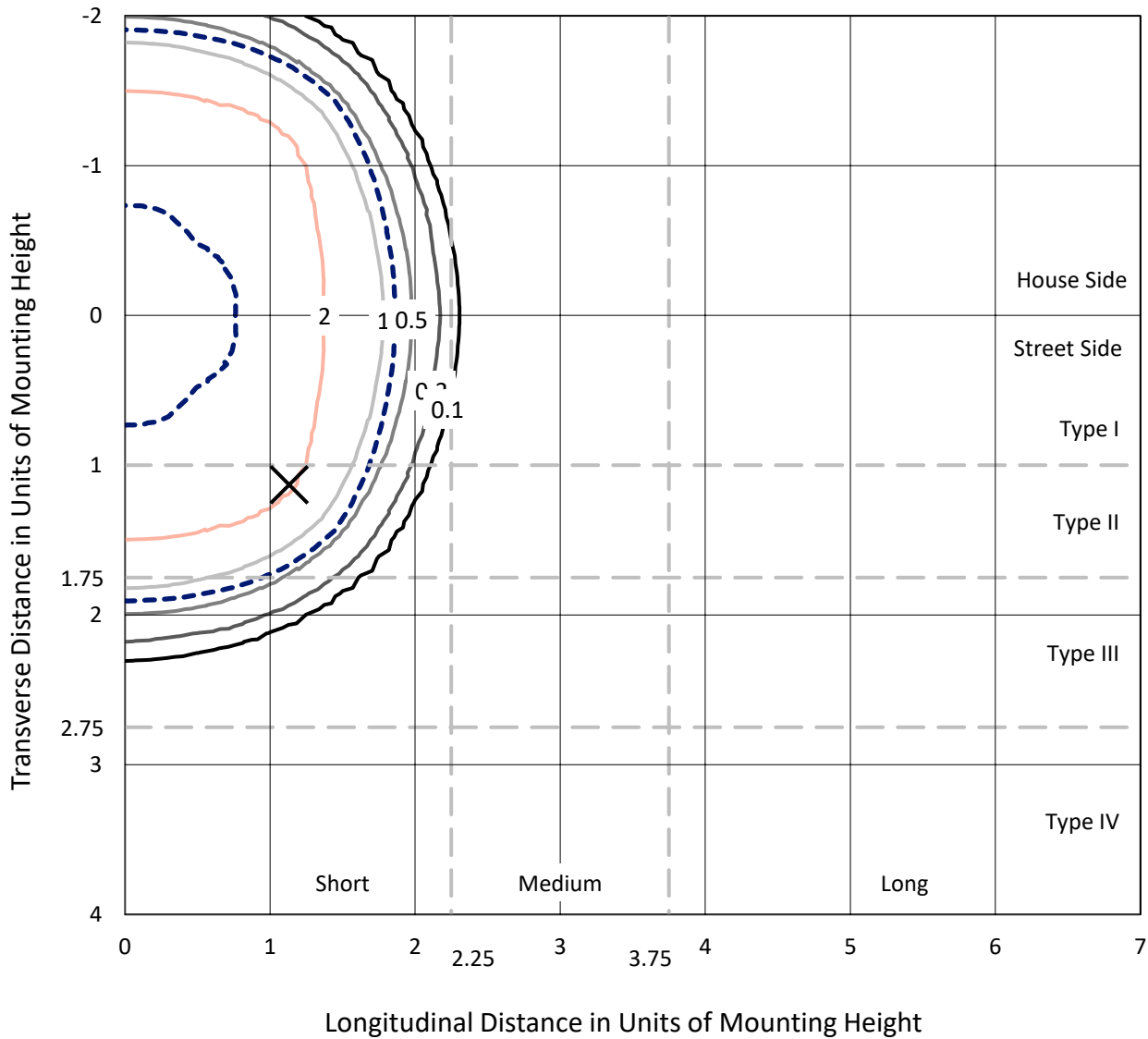


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Iso-Footcandle Lines of Horizontal Illumination

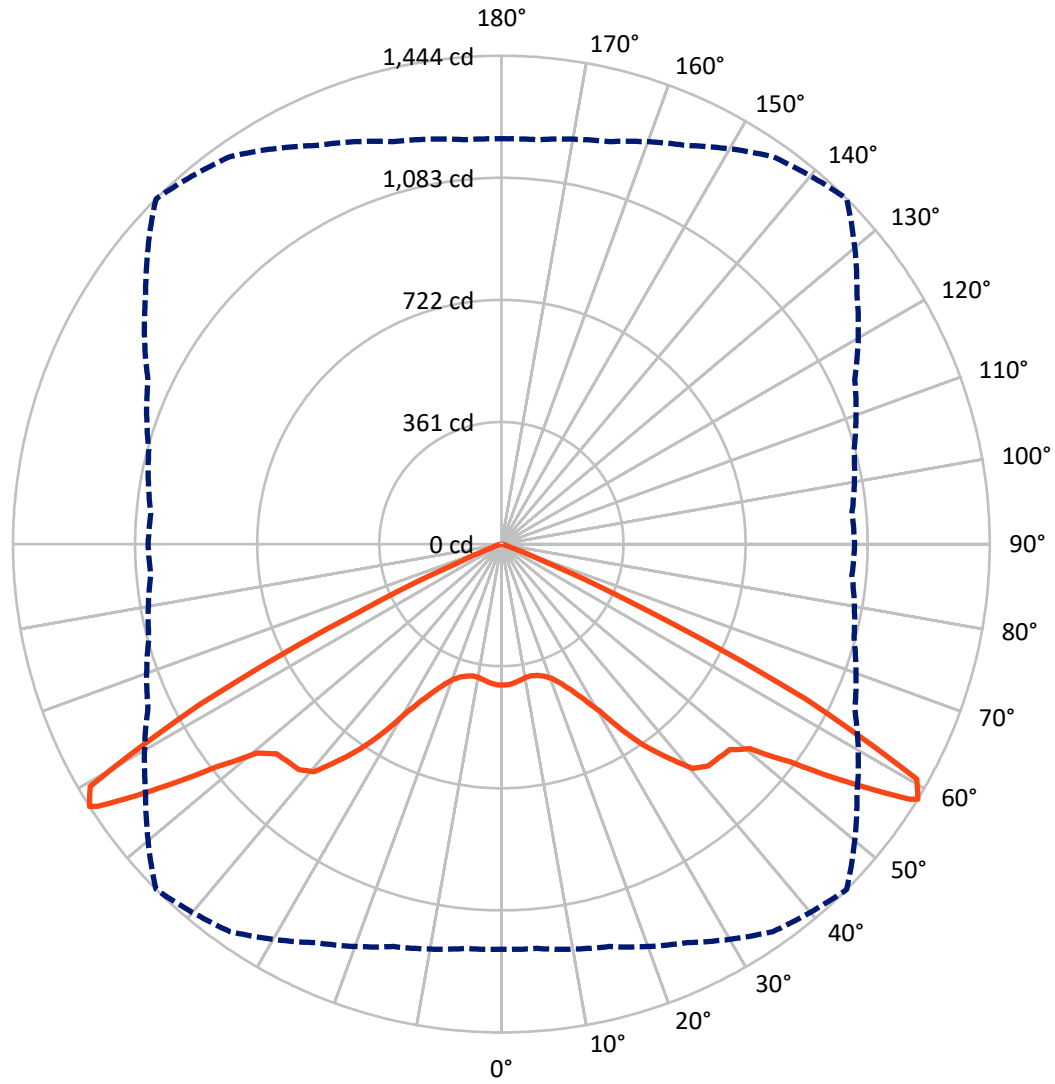
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 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	1468.7	0.0	1468.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1468.7	0.0	1468.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2937.4	0.0	2937.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.9	1.3
10°-20°	115.0	3.9
20°-30°	217.5	7.4
30°-40°	429.0	14.6
40°-50°	678.8	23.1
50°-60°	997.8	34.0
60°-70°	445.4	15.2
70°-80°	14.9	0.5
80°-90°	0.1	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°	2937.4	100.0
0°-180°	2937.4	100.0

Coefficient of Utilization



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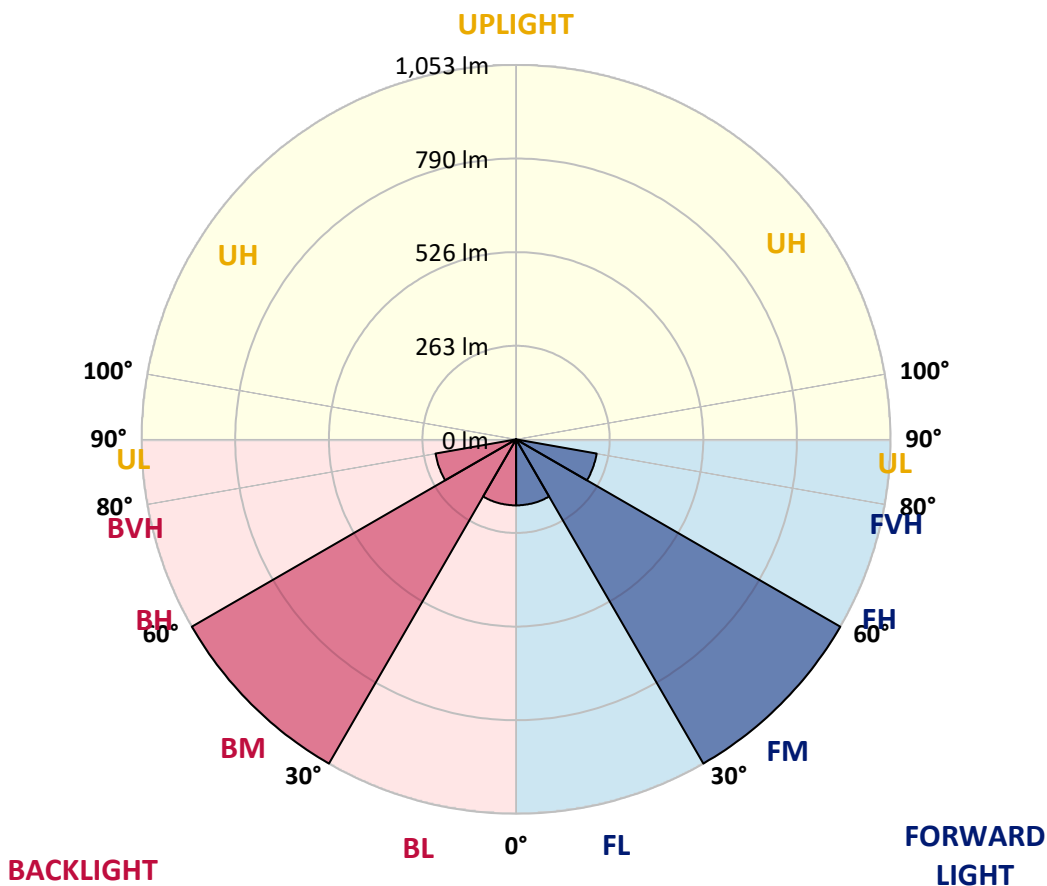
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.7	6.3			
FM (30°-60°)	1052.8	35.8			
FH (60°-80°)	230.1	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	185.7	6.3	B1/500		
BM (30°-60°)	1052.8	35.8	B2/2500		
BH (60°-80°)	230.1	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°	416.6	416.6	416.6	416.6	416.6	416.6	416.6	416.6	416.6	416.6	416.6
2.5°	412.6	413.4	414.2	414.6	415.0	416.2	416.6	415.4	415.4	413.0	415.8
5°	410.6	411.4	412.2	411.8	411.8	411.8	411.4	409.8	409.4	407.0	409.8
7.5°	407.0	407.8	407.8	406.6	405.8	405.8	405.4	403.4	403.0	400.6	403.4
10°	404.2	404.6	404.2	401.8	400.2	400.2	399.8	399.0	399.4	397.8	400.2
12.5°	405.8	406.2	404.6	401.4	399.4	399.0	397.8	396.6	397.8	397.4	399.8
15°	411.0	411.4	408.6	404.6	403.0	403.0	399.8	396.6	398.2	398.6	401.4
17.5°	417.4	417.4	413.8	410.2	410.6	410.6	405.4	399.8	400.2	401.8	404.6
20°	425.0	425.0	421.4	420.6	423.4	423.8	417.4	408.6	406.6	407.8	411.0
22.5°	438.6	438.6	435.8	437.8	444.2	446.2	436.6	424.2	419.4	420.2	423.4
25°	459.8	459.8	459.0	463.8	473.0	477.4	464.6	448.2	440.2	439.0	442.6
27.5°	495.4	495.8	494.6	501.8	513.4	518.6	501.0	479.4	469.8	467.8	471.4
30°	541.4	541.4	541.8	551.8	567.0	573.8	550.6	525.4	514.2	507.8	512.6
32.5°	592.6	593.4	597.4	614.2	641.0	655.1	621.0	585.8	567.8	561.0	566.2
35°	677.1	669.5	664.7	677.1	715.9	734.3	690.7	649.5	635.8	635.0	648.3
37.5°	760.7	756.3	746.3	759.1	793.9	802.3	754.3	719.9	710.3	715.5	728.7
40°	827.1	819.1	805.9	817.9	863.5	871.9	812.7	778.7	775.1	786.7	804.7
42.5°	879.5	868.3	850.7	853.5	890.3	896.3	843.9	818.3	820.7	835.1	855.5
45°	903.2	894.3	878.7	877.5	900.8	901.2	859.9	846.7	853.1	864.3	880.3
47.5°	913.2	909.2	900.4	898.4	911.6	908.4	882.7	877.1	883.1	886.3	895.5
50°	938.0	938.0	939.2	940.8	954.4	951.2	933.2	926.8	919.2	908.0	910.8
52.5°	1007.6	1010.4	1022.0	1034.8	1059.6	1070.0	1040.8	1003.6	967.2	942.8	942.8
55°	1133.2	1136.0	1149.6	1171.3	1216.9	1241.7	1173.7	1091.6	1041.6	1008.4	1012.8
57.5°	1202.5	1205.7	1233.7	1292.1	1380.5	1422.6	1276.5	1154.9	1084.8	1046.8	1050.0
58°	1198.1	1200.1	1231.7	1300.1	1398.5	1443.8	1283.7	1152.8	1079.2	1040.4	1044.4
60°	1064.4	1061.6	1112.0	1209.7	1348.5	1411.0	1212.1	1052.4	966.8	927.2	929.2
62.5°	695.9	697.5	741.1	843.1	951.2	1010.0	846.7	727.9	659.1	635.0	629.0
65°	290.5	285.3	312.1	368.9	433.8	466.6	401.0	339.3	296.9	280.9	285.3
67.5°	74.8	72.8	74.4	93.2	114.0	134.9	113.2	86.4	75.2	76.0	76.0
70°	42.4	40.0	32.4	30.0	29.2	29.2	29.2	29.2	33.6	39.6	40.8
72.5°	32.0	30.0	23.6	20.4	18.0	16.8	17.6	20.4	24.4	29.6	30.4
75°	16.0	16.0	14.4	13.6	12.0	11.2	11.6	12.8	14.8	16.8	16.4
77.5°	3.2	3.6	4.0	4.8	4.0	4.0	4.0	4.8	4.8	5.2	4.8
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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)