

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: P628948

Luminaire Tested: GWS-SA1A-760-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628948  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-760-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

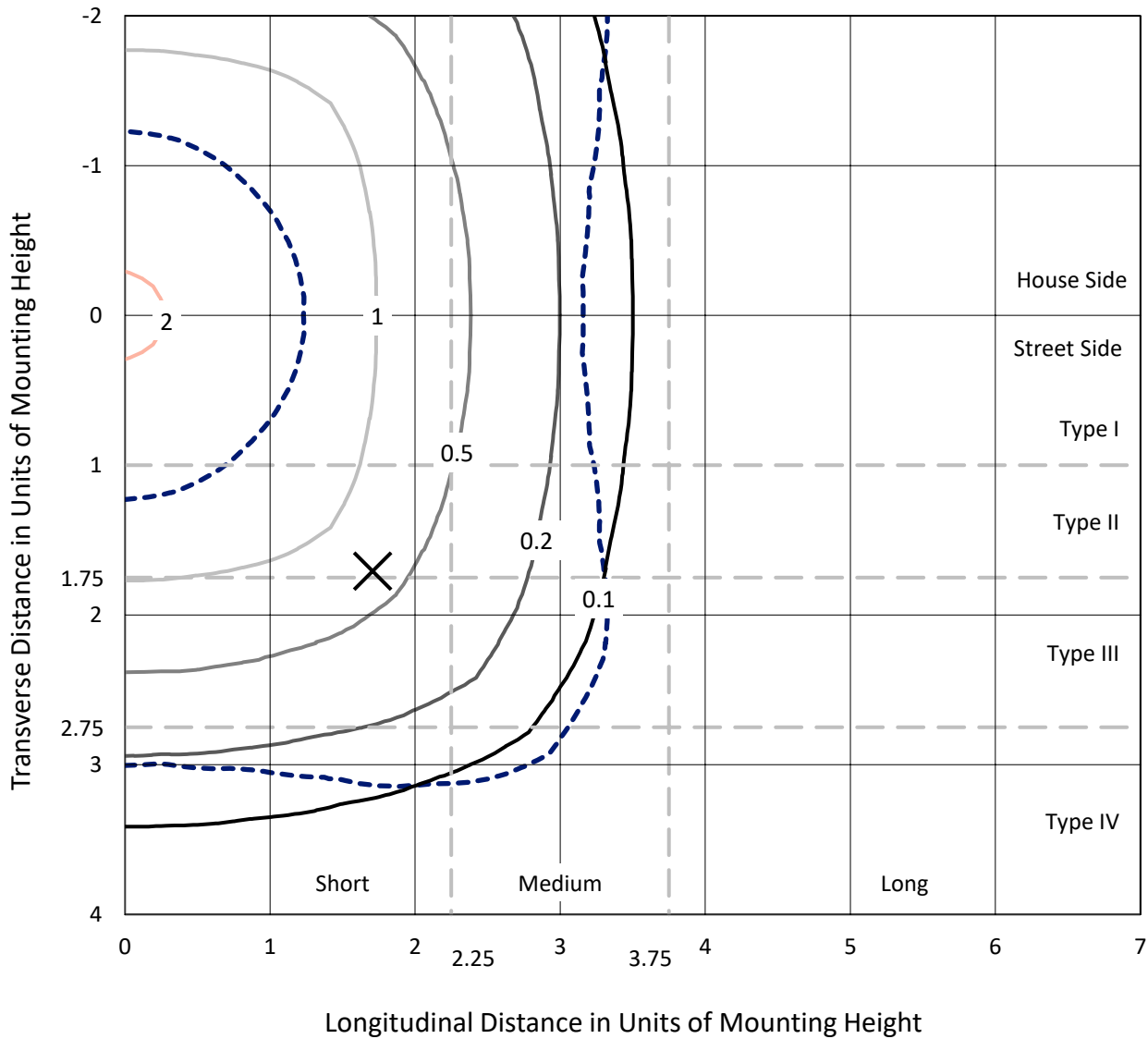
Lumens per Lamp: N/A  
Luminaire Lumens: 2908.7 lumens  
Efficiency: N/A  
Efficacy: 147.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

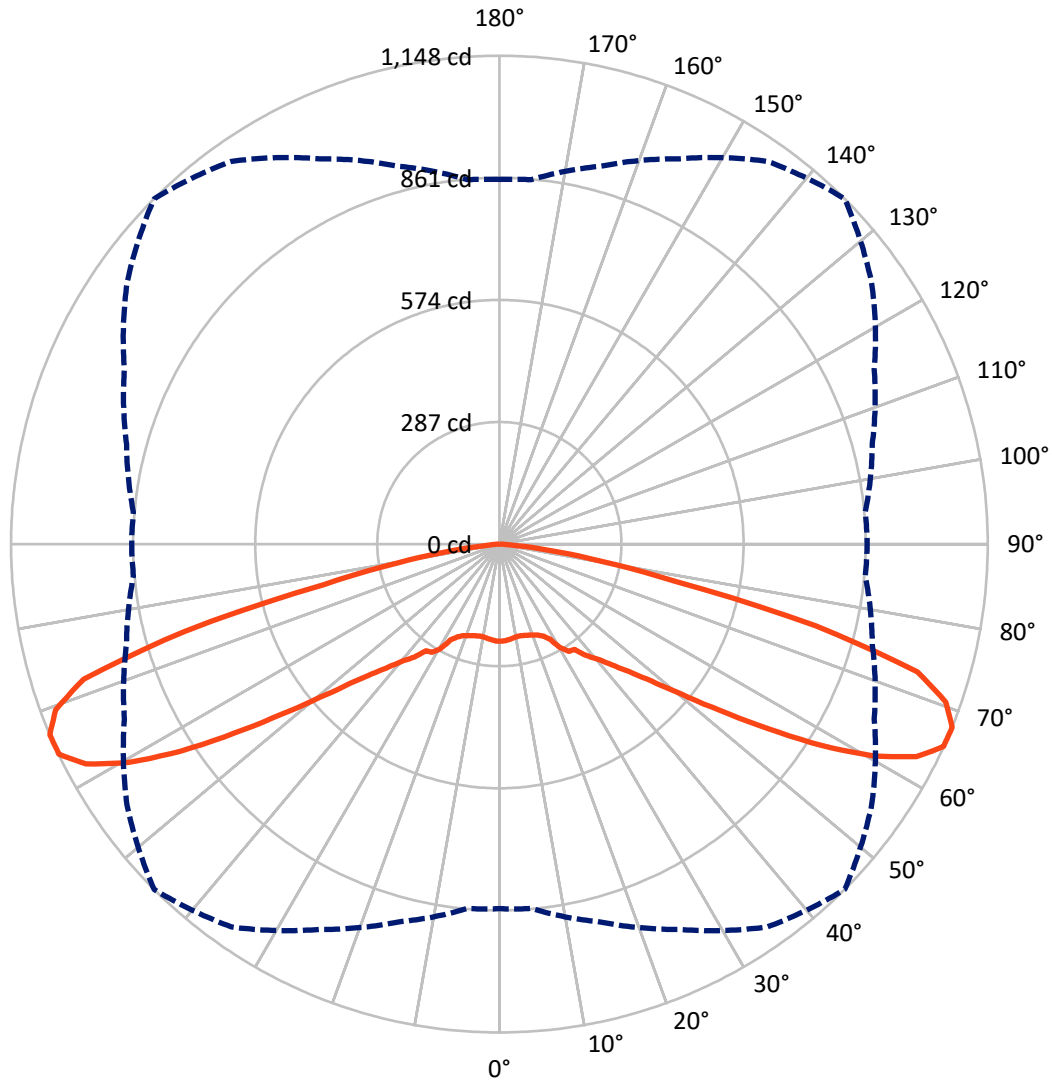
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1454.4	0.0	1454.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1454.4	0.0	1454.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2908.7	0.0	2908.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.4	0.7
10°-20°	63.6	2.2
20°-30°	114.0	3.9
30°-40°	192.6	6.6
40°-50°	338.4	11.6
50°-60°	652.8	22.4
60°-70°	947.1	32.6
70°-80°	541.9	18.6
80°-90°	37.0	1.3
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°	2908.7	100.0
0°-180°	2908.7	100.0

**Coefficient of Utilization**



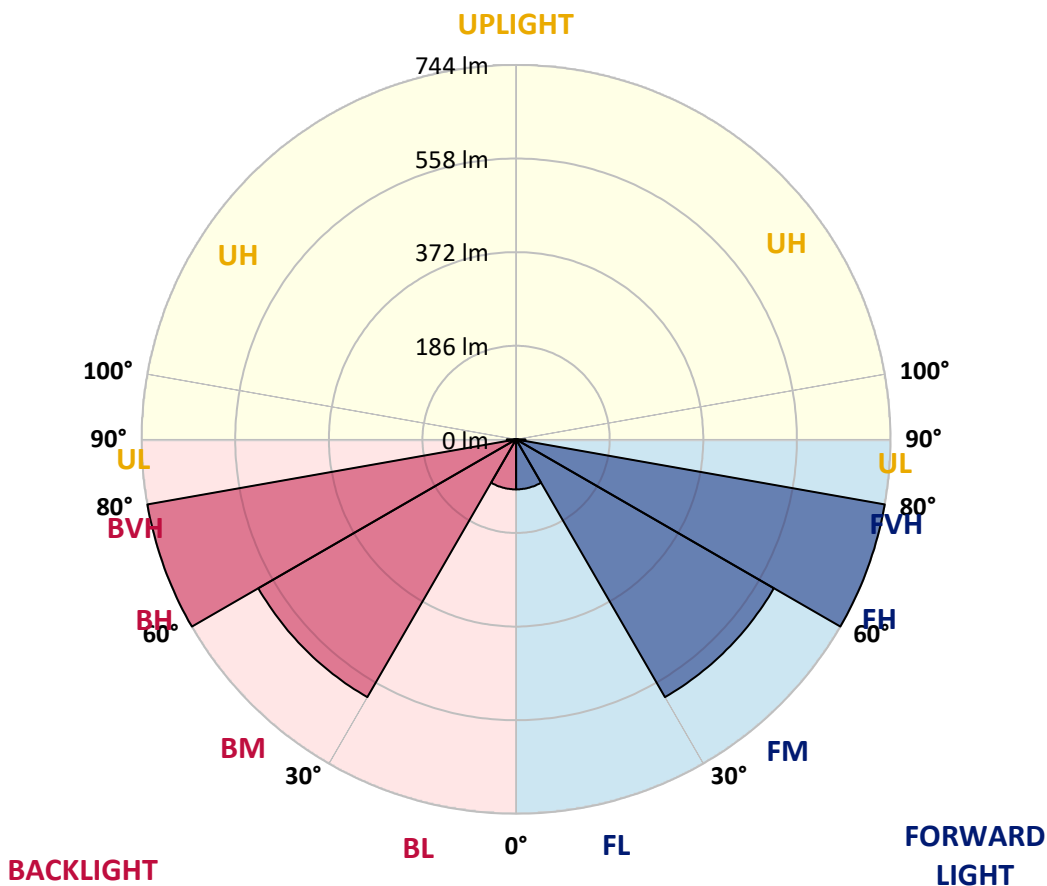
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.5	3.4			
FM (30°-60°)	591.9	20.3			
FH (60°-80°)	744.5	25.6			G1/1800
FVH (80°-90°)	18.5	0.6			G1/100
BL (0°-30°)	99.5	3.4	B0/110		
BM (30°-60°)	591.9	20.3	B1/1000		
BH (60°-80°)	744.5	25.6	B2/1000		G1/1800
BVH (80°-90°)	18.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	228.1	228.1	228.1	228.1	228.1	228.1	228.1	228.1	228.1	228.1	228.1
2.5°	226.3	226.5	226.9	226.9	227.3	227.9	228.1	227.7	227.9	226.9	227.9
5°	225.6	225.8	226.0	225.6	225.6	225.8	225.8	225.4	225.6	224.6	225.6
7.5°	224.2	224.4	224.4	223.8	223.2	223.6	223.6	223.2	223.4	222.3	223.6
10°	223.0	223.0	222.8	221.5	220.9	221.5	221.7	221.9	222.8	221.9	223.4
12.5°	223.8	223.8	223.2	221.5	220.5	220.9	221.3	221.7	223.2	223.0	224.6
15°	226.0	226.3	224.6	222.8	222.1	222.8	222.3	222.1	224.0	224.6	226.5
17.5°	227.9	227.9	225.8	224.0	224.2	225.2	224.4	223.4	225.2	226.5	228.5
20°	229.5	229.3	227.1	225.8	226.7	228.1	227.5	226.0	227.3	228.7	230.6
22.5°	233.7	233.4	231.0	230.4	231.2	232.6	232.0	230.8	232.2	234.3	236.5
25°	245.4	245.0	241.3	239.2	238.8	239.8	239.6	239.2	241.5	243.9	246.6
27.5°	261.0	260.8	258.1	256.1	253.4	252.6	253.2	255.0	258.3	260.2	262.5
30°	268.8	268.8	268.4	271.7	277.5	283.0	278.7	271.7	268.8	268.0	270.3
32.5°	279.1	280.1	278.7	282.4	292.1	300.3	292.1	280.8	278.7	278.7	281.2
35°	302.8	303.2	300.9	300.3	303.4	304.4	300.5	296.4	298.7	299.1	302.1
37.5°	321.7	321.7	320.7	322.3	328.7	332.6	326.2	318.8	319.4	319.8	323.7
40°	350.9	351.7	349.2	349.0	351.5	355.0	348.2	343.5	346.8	347.8	353.8
42.5°	387.3	387.3	383.6	382.6	384.2	387.9	381.5	378.5	382.8	383.6	387.1
45°	430.7	431.7	426.8	424.9	425.8	427.0	422.5	421.0	425.1	427.0	433.2
47.5°	483.6	484.6	480.3	480.1	479.2	480.1	475.7	474.9	478.2	476.8	483.4
50°	548.8	550.6	546.9	552.1	551.4	553.9	547.9	543.6	543.6	539.7	543.4
52.5°	621.8	625.5	627.3	636.0	642.6	648.7	638.8	632.1	622.2	614.2	624.2
55°	701.4	700.3	712.1	731.0	750.3	764.9	745.6	724.2	708.2	691.5	695.4
57.5°	771.1	774.6	790.0	824.6	862.8	893.7	858.9	817.8	781.4	757.5	760.8
60°	829.1	832.0	852.6	902.3	969.2	1011.8	956.6	888.8	835.9	803.0	806.5
62.5°	882.6	885.3	906.0	960.9	1045.3	1100.8	1029.6	936.9	878.1	844.9	847.0
65°	913.4	915.1	943.5	1001.3	1090.1	1147.5	1067.3	971.6	913.8	880.1	881.3
67.5°	857.3	860.0	919.8	999.6	1098.8	1148.3	1068.9	972.7	907.7	863.7	864.7
70°	676.3	674.0	745.4	882.6	1049.2	1113.8	1021.4	899.7	799.3	737.8	736.8
72.5°	515.6	516.3	556.0	650.0	855.4	1027.8	901.3	724.4	616.2	569.5	567.7
75°	373.9	379.7	412.0	480.9	598.3	768.2	678.5	536.8	464.4	436.5	432.3
77.5°	168.5	175.9	220.9	301.9	400.1	424.5	426.2	364.5	275.0	228.5	221.3
80°	49.2	52.7	67.7	115.8	186.3	240.9	191.3	160.8	100.2	78.6	74.9
82.5°	20.8	23.7	29.0	32.1	54.1	111.7	69.5	44.2	41.1	33.3	30.4
85°	8.8	9.5	12.1	13.0	17.5	23.9	22.0	20.0	19.1	14.8	13.6
87.5°	3.7	3.7	3.7	3.3	3.1	3.3	4.5	5.8	7.6	6.0	5.6
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)