

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: P628781

Luminaire Tested: GWS-SA1A-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628781  
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-SA1A-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**

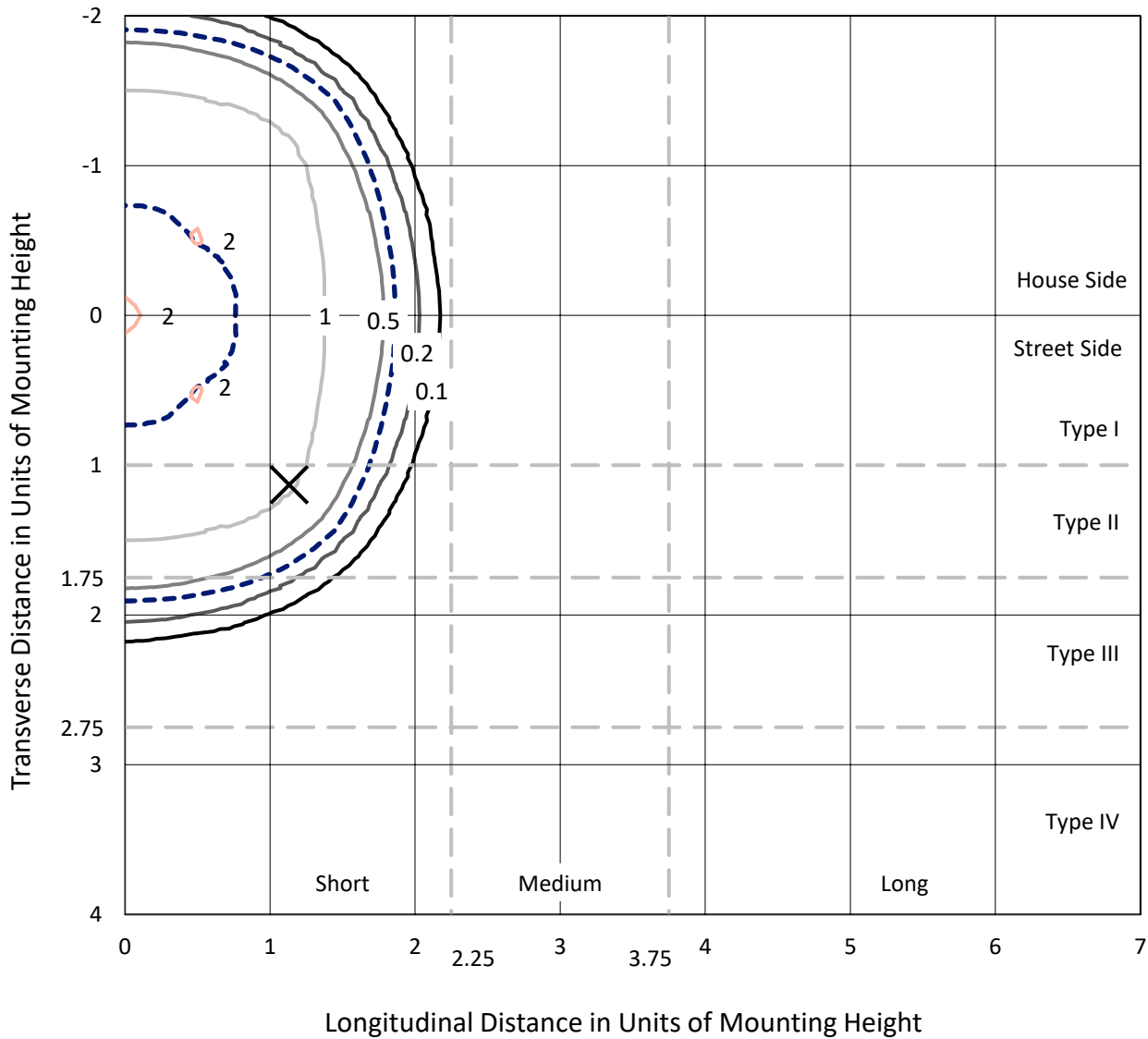
Lumens per Lamp: N/A  
Luminaire Lumens: 1476 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

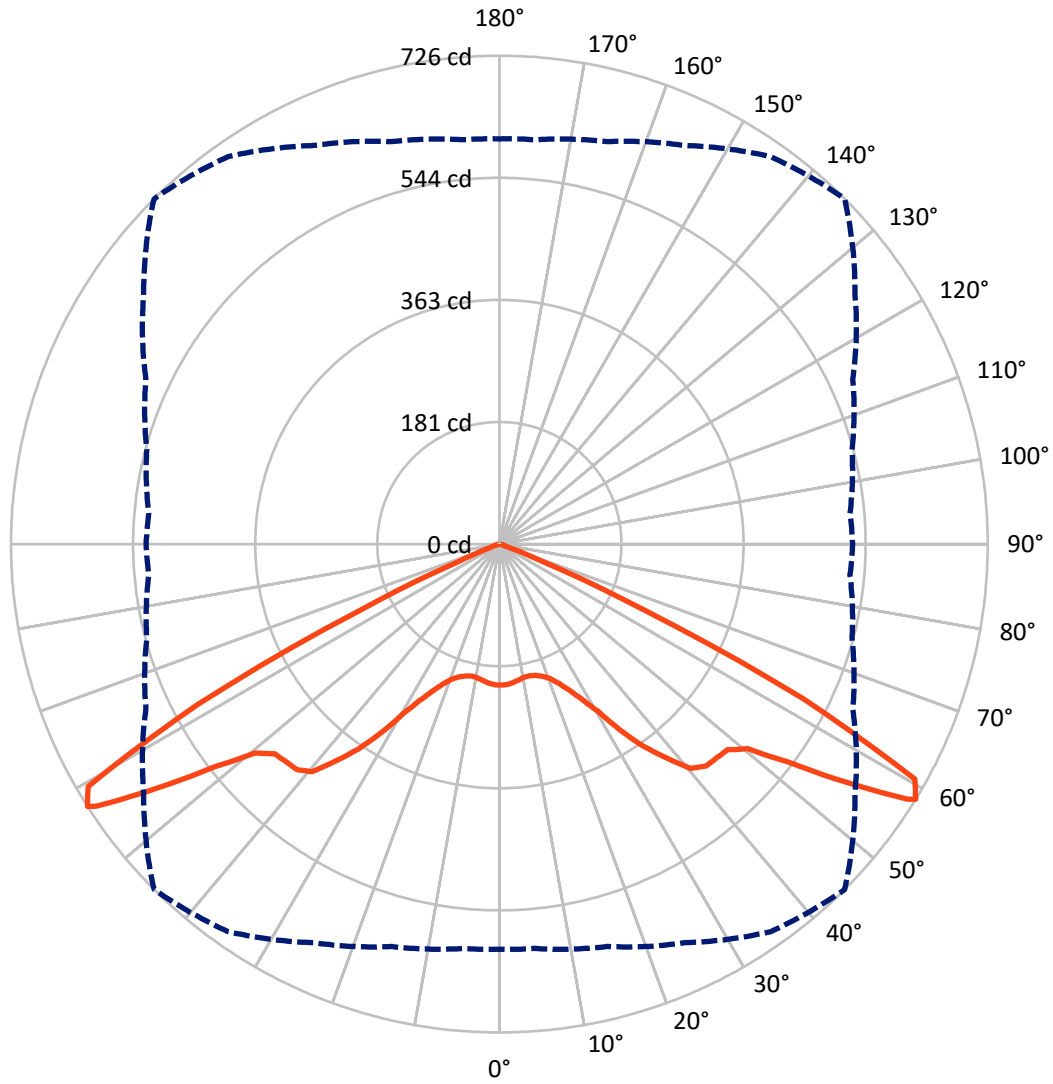
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 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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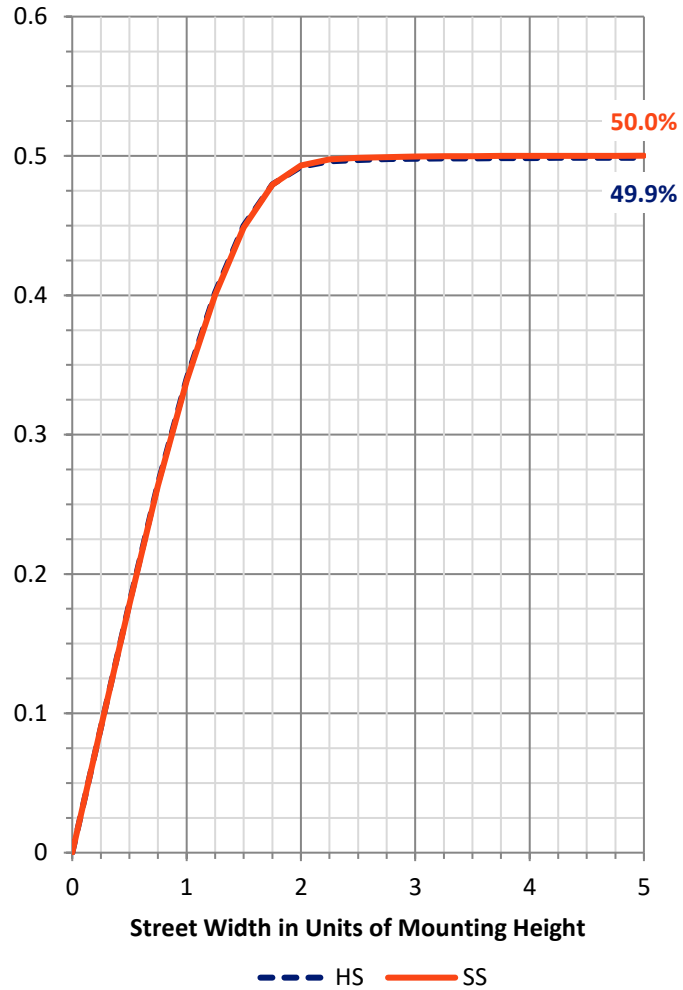
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	738.0	0.0	738.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	738.0	0.0	738.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1476.0	0.0	1476.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.5	1.3
10°-20°	57.8	3.9
20°-30°	109.3	7.4
30°-40°	215.5	14.6
40°-50°	341.1	23.1
50°-60°	501.4	34.0
60°-70°	223.8	15.2
70°-80°	7.5	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°	1476.0	100.0
0°-180°	1476.0	100.0

**Coefficient of Utilization**



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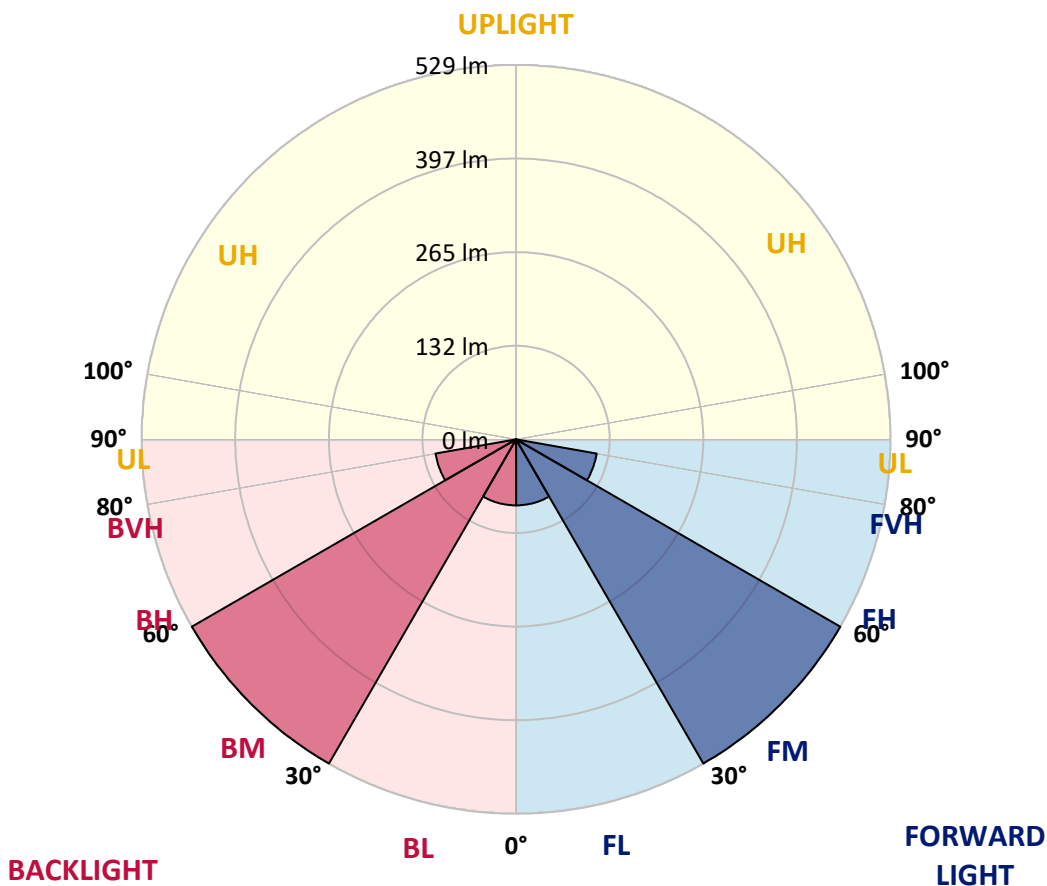
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.3	6.3			
FM (30°-60°)	529.0	35.8			
FH (60°-80°)	115.6	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	93.3	6.3	B0/110		
BM (30°-60°)	529.0	35.8	B1/1000		
BH (60°-80°)	115.6	7.8	B1/500		G0/660
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3
2.5°	207.3	207.7	208.1	208.3	208.5	209.1	209.3	208.7	208.7	207.5	208.9
5°	206.3	206.7	207.1	206.9	206.9	206.9	206.7	205.9	205.7	204.5	205.9
7.5°	204.5	204.9	204.9	204.3	203.9	203.9	203.7	202.7	202.5	201.3	202.7
10°	203.1	203.3	203.1	201.9	201.1	201.1	200.9	200.5	200.7	199.9	201.1
12.5°	203.9	204.1	203.3	201.7	200.7	200.5	199.9	199.3	199.9	199.7	200.9
15°	206.5	206.7	205.3	203.3	202.5	202.5	200.9	199.3	200.1	200.3	201.7
17.5°	209.7	209.7	207.9	206.1	206.3	206.3	203.7	200.9	201.1	201.9	203.3
20°	213.5	213.5	211.7	211.3	212.7	212.9	209.7	205.3	204.3	204.9	206.5
22.5°	220.4	220.4	219.0	220.0	223.2	224.2	219.4	213.1	210.7	211.1	212.7
25°	231.0	231.0	230.6	233.0	237.7	239.9	233.4	225.2	221.2	220.6	222.4
27.5°	248.9	249.1	248.5	252.1	258.0	260.6	251.7	240.9	236.1	235.1	236.9
30°	272.1	272.1	272.3	277.3	284.9	288.3	276.7	264.0	258.4	255.2	257.6
32.5°	297.8	298.2	300.2	308.6	322.1	329.2	312.1	294.4	285.3	281.9	284.5
35°	340.2	336.4	334.0	340.2	359.7	369.0	347.1	326.3	319.5	319.1	325.7
37.5°	382.2	380.0	375.0	381.4	398.9	403.2	379.0	361.7	356.9	359.5	366.2
40°	415.6	411.6	405.0	411.0	433.9	438.1	408.4	391.3	389.5	395.3	404.4
42.5°	442.0	436.3	427.5	428.9	447.4	450.4	424.1	411.2	412.4	419.6	429.9
45°	453.8	449.4	441.6	441.0	452.6	452.8	432.1	425.5	428.7	434.3	442.4
47.5°	458.8	456.8	452.4	451.4	458.0	456.4	443.6	440.8	443.8	445.4	450.0
50°	471.3	471.3	471.9	472.7	479.6	477.9	468.9	465.7	461.9	456.2	457.6
52.5°	506.3	507.7	513.5	520.0	532.4	537.7	523.0	504.3	486.0	473.7	473.7
55°	569.4	570.8	577.7	588.5	611.5	623.9	589.7	548.5	523.4	506.7	508.9
57.5°	604.2	605.8	619.9	649.3	693.7	714.8	641.4	580.3	545.1	526.0	527.6
58°	602.0	603.0	618.9	653.3	702.7	725.5	645.0	579.3	542.3	522.8	524.8
60°	534.9	533.4	558.8	607.8	677.6	709.0	609.0	528.8	485.8	465.9	466.9
62.5°	349.7	350.5	372.4	423.7	477.9	507.5	425.5	365.8	331.2	319.1	316.1
65°	146.0	143.4	156.8	185.4	218.0	234.5	201.5	170.5	149.2	141.2	143.4
67.5°	37.6	36.6	37.4	46.8	57.3	67.8	56.9	43.4	37.8	38.2	38.2
70°	21.3	20.1	16.3	15.1	14.7	14.7	14.7	14.7	16.9	19.9	20.5
72.5°	16.1	15.1	11.9	10.3	9.0	8.4	8.8	10.3	12.3	14.9	15.3
75°	8.0	8.0	7.2	6.8	6.0	5.6	5.8	6.4	7.4	8.4	8.2
77.5°	1.6	1.8	2.0	2.4	2.0	2.0	2.0	2.4	2.4	2.6	2.4
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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)