

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: P629276

Luminaire Tested: GWS-SA1B-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629276  
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-SA1B-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: 1860.3 lumens  
Efficiency: N/A  
Efficacy: 74.4 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): 25  
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

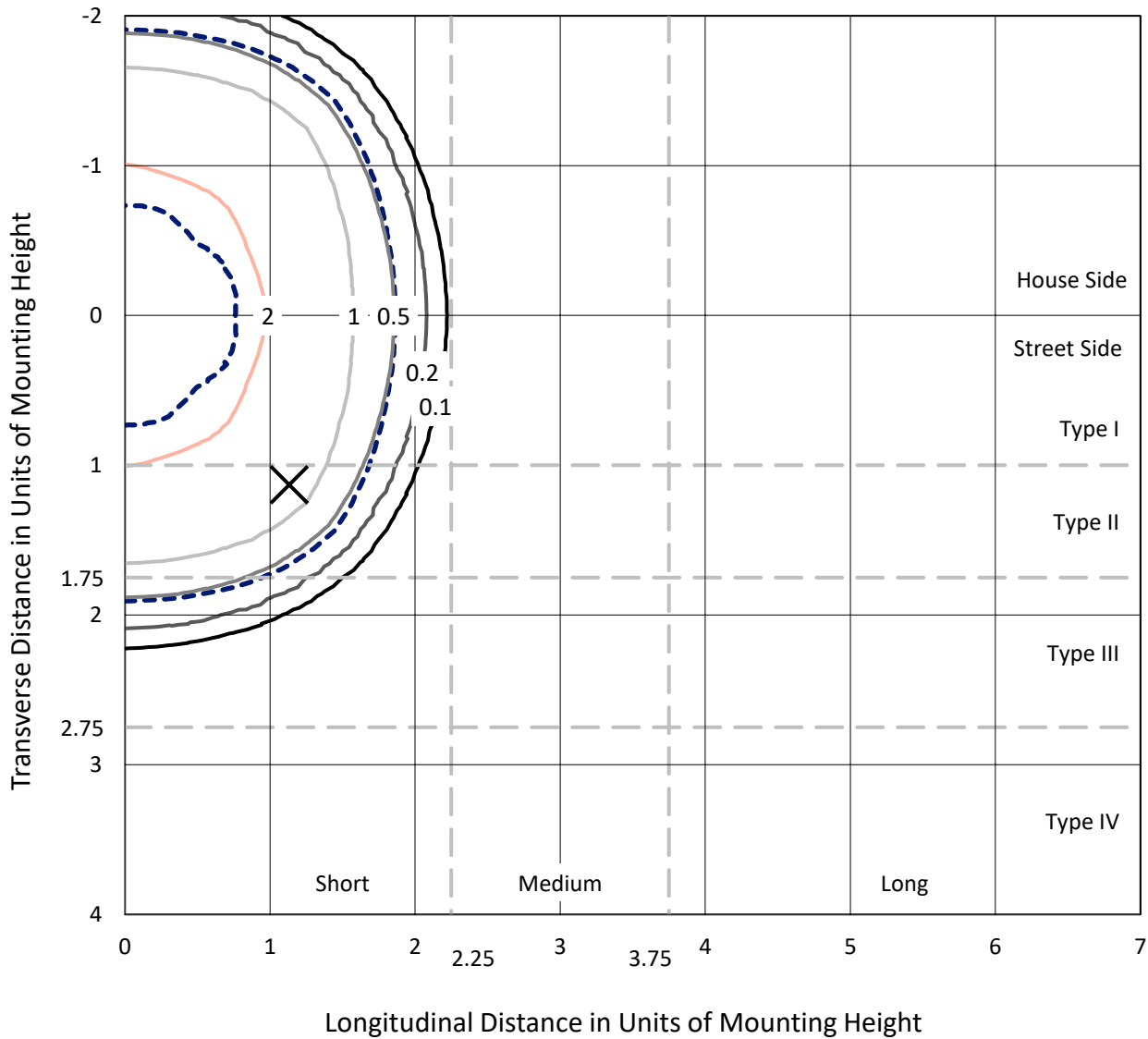


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### Iso-Footcandle Lines of Horizontal Illumination

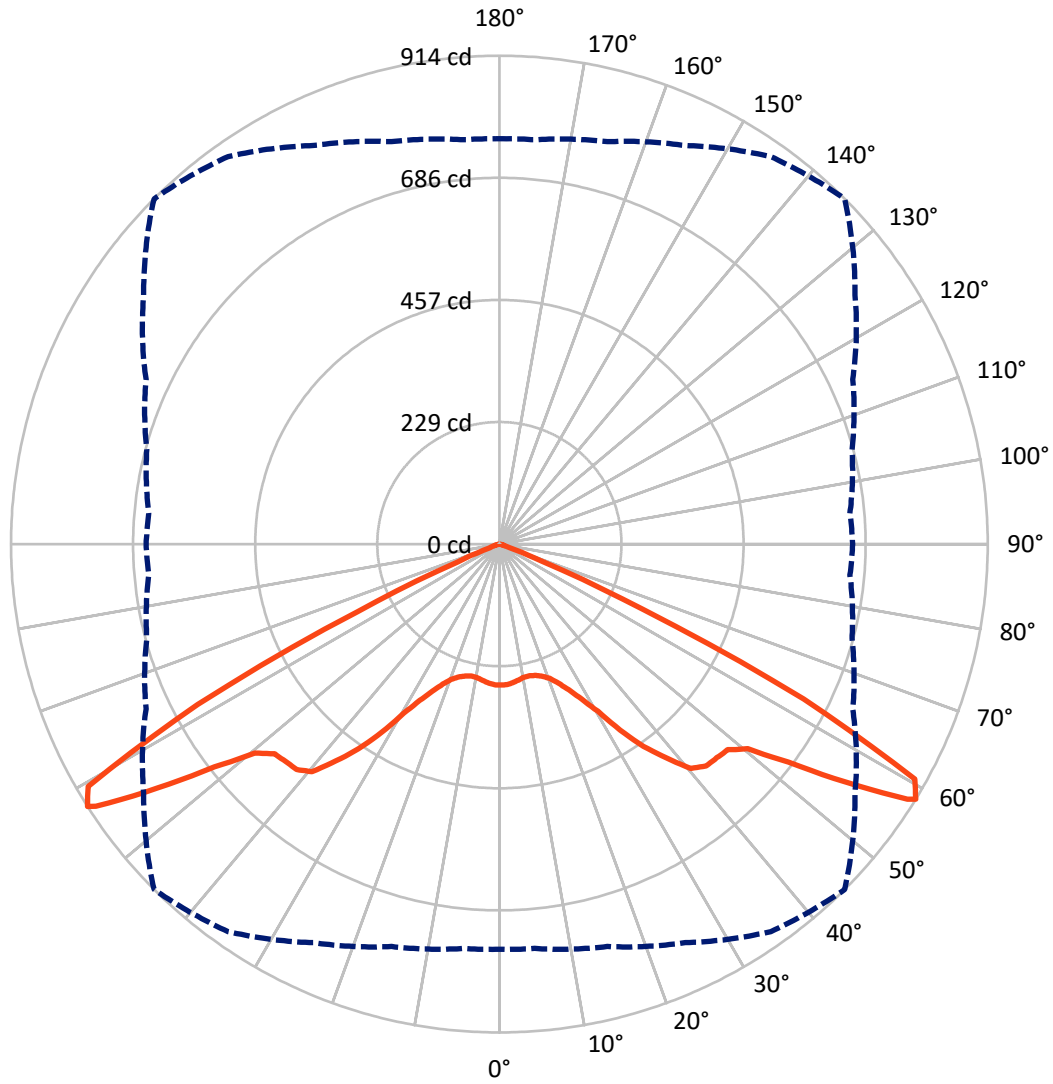
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 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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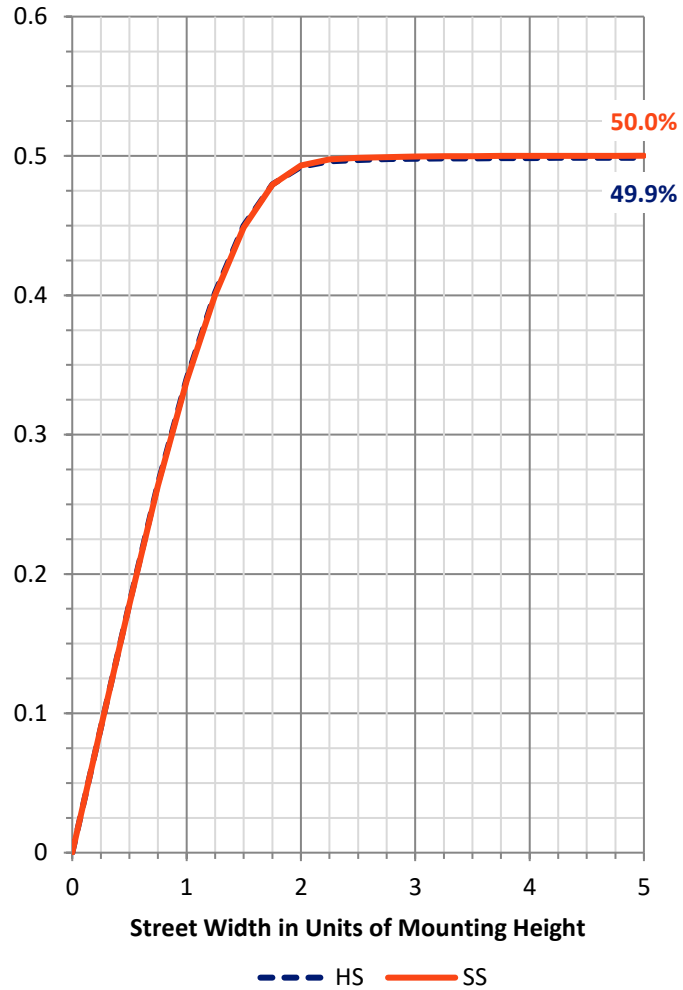
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	930.2	0.0	930.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	930.2	0.0	930.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1860.3	0.0	1860.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.6	1.3
10°-20°	72.8	3.9
20°-30°	137.7	7.4
30°-40°	271.7	14.6
40°-50°	429.9	23.1
50°-60°	631.9	34.0
60°-70°	282.1	15.2
70°-80°	9.4	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°	1860.3	100.0
0°-180°	1860.3	100.0

**Coefficient of Utilization**



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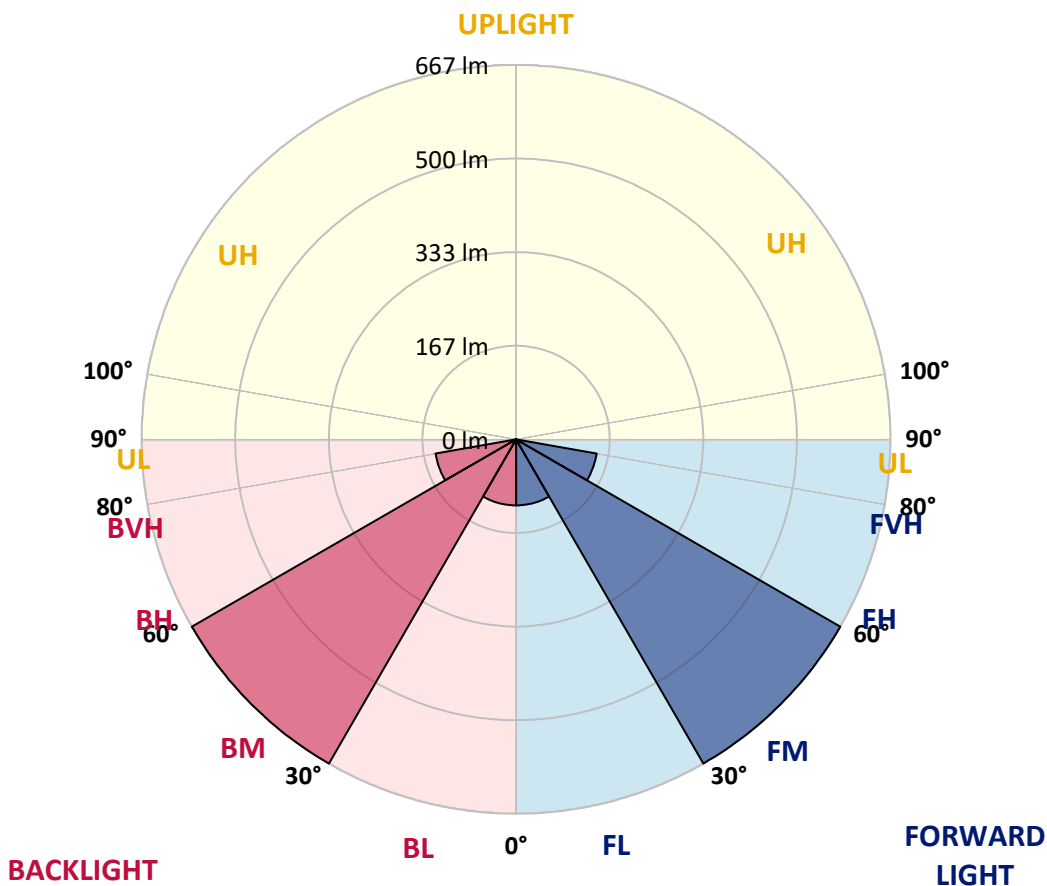
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.6	6.3			
FM (30°-60°)	666.8	35.8			
FH (60°-80°)	145.8	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	117.6	6.3	B1/500		
BM (30°-60°)	666.8	35.8	B1/1000		
BH (60°-80°)	145.8	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°	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8
2.5°	261.3	261.8	262.3	262.5	262.8	263.6	263.8	263.1	263.1	261.5	263.3
5°	260.0	260.5	261.0	260.8	260.8	260.8	260.5	259.5	259.3	257.7	259.5
7.5°	257.7	258.2	258.2	257.5	257.0	257.0	256.7	255.5	255.2	253.7	255.5
10°	256.0	256.2	256.0	254.4	253.4	253.4	253.2	252.7	252.9	251.9	253.4
12.5°	257.0	257.2	256.2	254.2	252.9	252.7	251.9	251.1	251.9	251.7	253.2
15°	260.3	260.5	258.7	256.2	255.2	255.2	253.2	251.1	252.2	252.4	254.2
17.5°	264.3	264.3	262.0	259.8	260.0	260.0	256.7	253.2	253.4	254.4	256.2
20°	269.1	269.1	266.9	266.3	268.1	268.4	264.3	258.7	257.5	258.2	260.3
22.5°	277.8	277.8	276.0	277.2	281.3	282.6	276.5	268.6	265.6	266.1	268.1
25°	291.2	291.2	290.7	293.7	299.5	302.3	294.2	283.8	278.8	278.0	280.3
27.5°	313.7	314.0	313.2	317.8	325.1	328.4	317.3	303.6	297.5	296.3	298.5
30°	342.9	342.9	343.1	349.5	359.1	363.4	348.7	332.7	325.7	321.6	324.6
32.5°	375.3	375.8	378.4	389.0	406.0	414.9	393.3	371.0	359.6	355.3	358.6
35°	428.8	424.0	420.9	428.8	453.4	465.0	437.4	411.3	402.7	402.2	410.5
37.5°	481.8	479.0	472.6	480.7	502.8	508.1	477.7	455.9	449.8	453.1	461.5
40°	523.8	518.8	510.4	518.0	546.9	552.2	514.7	493.2	490.9	498.2	509.6
42.5°	557.0	549.9	538.8	540.6	563.9	567.7	534.5	518.3	519.8	528.9	541.8
45°	572.0	566.4	556.5	555.8	570.5	570.7	544.6	536.2	540.3	547.4	557.5
47.5°	578.3	575.8	570.2	568.9	577.3	575.3	559.1	555.5	559.3	561.3	567.2
50°	594.0	594.0	594.8	595.8	604.4	602.4	591.0	586.9	582.1	575.0	576.8
52.5°	638.1	639.9	647.2	655.4	671.1	677.7	659.2	635.6	612.5	597.1	597.1
55°	717.7	719.5	728.1	741.8	770.7	786.4	743.3	691.3	659.7	638.6	641.4
57.5°	761.5	763.6	781.3	818.3	874.3	900.9	808.4	731.4	687.0	663.0	665.0
58°	758.8	760.0	780.0	823.4	885.7	914.4	813.0	730.1	683.5	658.9	661.4
60°	674.1	672.3	704.3	766.1	854.0	893.6	767.6	666.5	612.3	587.2	588.5
62.5°	440.7	441.7	469.3	534.0	602.4	639.6	536.2	461.0	417.4	402.2	398.4
65°	184.0	180.7	197.7	233.7	274.7	295.5	253.9	214.9	188.0	177.9	180.7
67.5°	47.4	46.1	47.1	59.0	72.2	85.4	71.7	54.7	47.6	48.2	48.2
70°	26.9	25.3	20.5	19.0	18.5	18.5	18.5	18.5	21.3	25.1	25.8
72.5°	20.3	19.0	15.0	12.9	11.4	10.6	11.2	12.9	15.5	18.8	19.3
75°	10.1	10.1	9.1	8.6	7.6	7.1	7.3	8.1	9.4	10.6	10.4
77.5°	2.0	2.3	2.5	3.0	2.5	2.5	2.5	3.0	3.0	3.3	3.0
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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)