

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: P629273

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629273  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-735-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

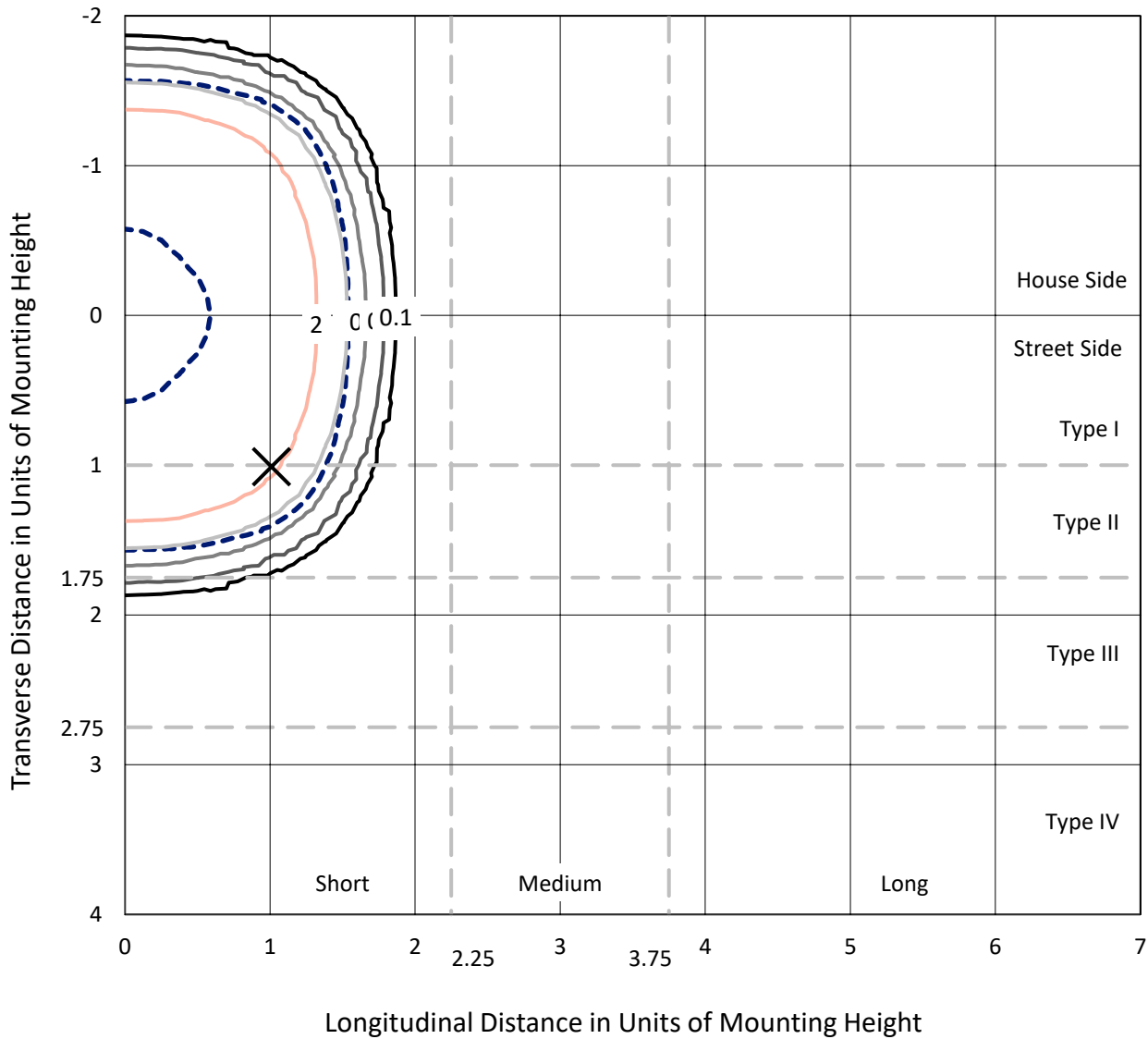
Lumens per Lamp: N/A  
Luminaire Lumens: 2487.4 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

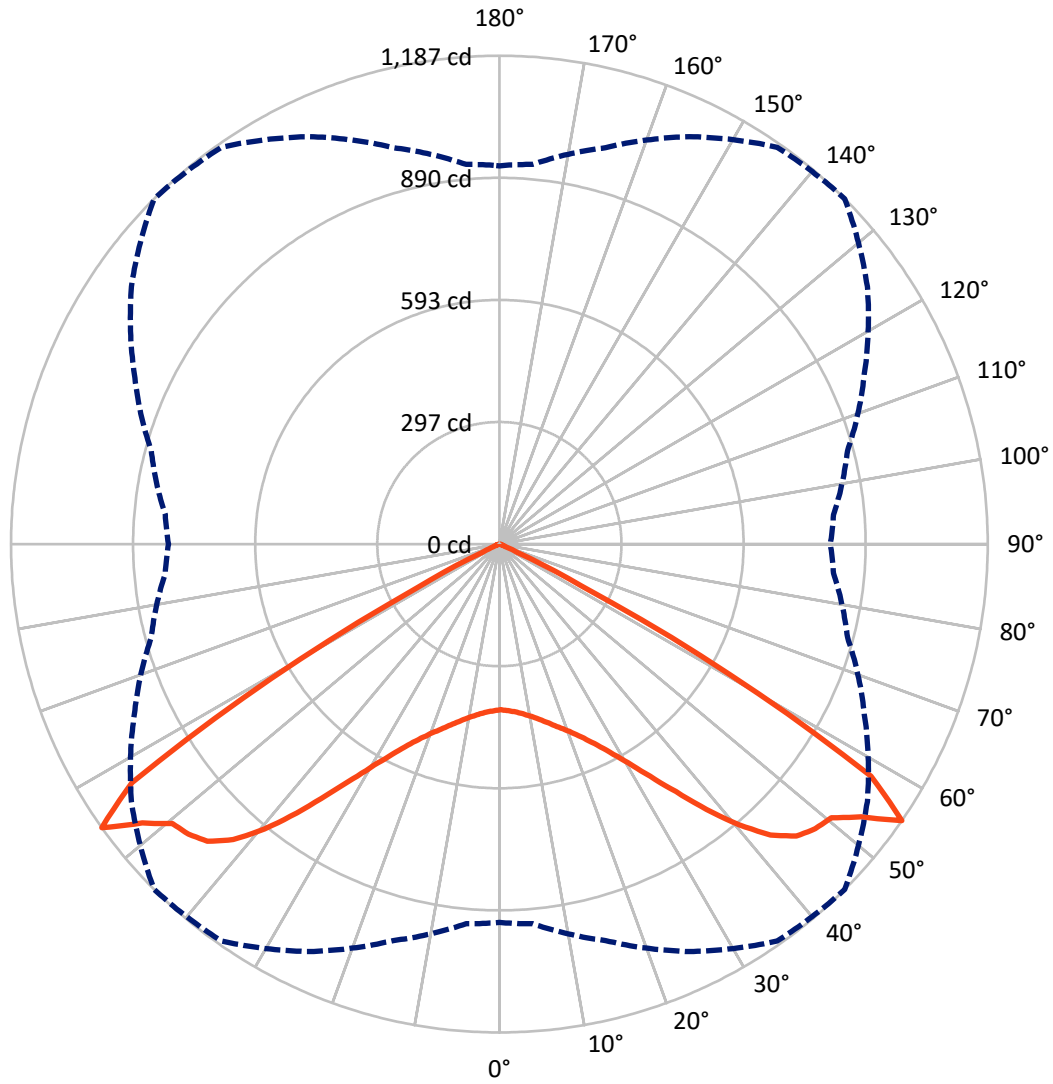
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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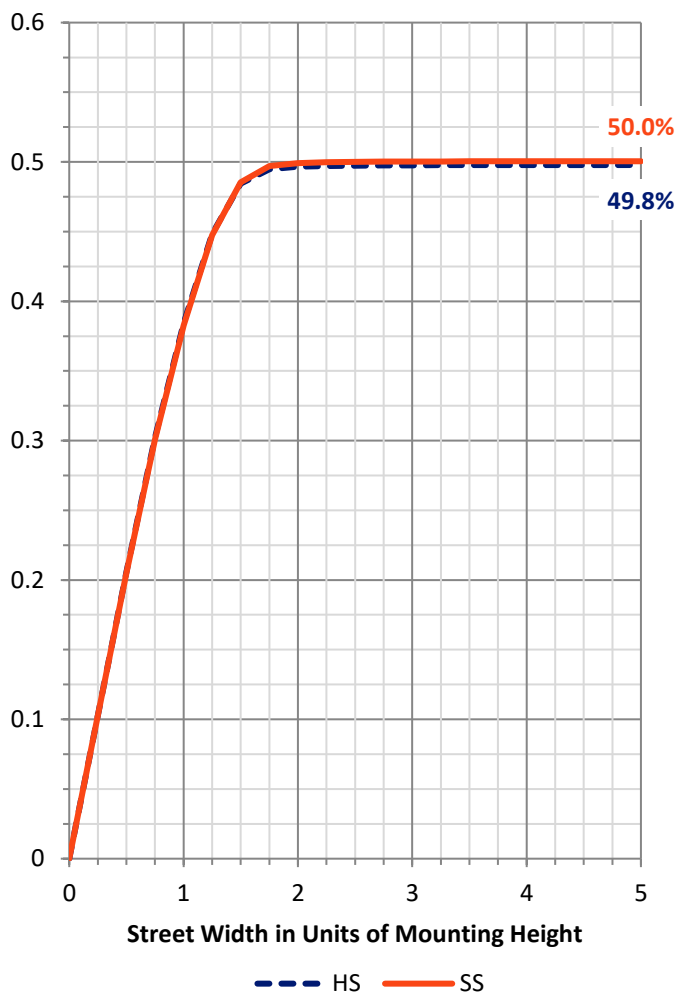
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1243.7	0.0	1243.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1243.7	0.0	1243.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2487.4	0.0	2487.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.4	1.6
10°-20°	127.7	5.1
20°-30°	247.4	9.9
30°-40°	443.2	17.8
40°-50°	743.0	29.9
50°-60°	795.3	32.0
60°-70°	87.4	3.5
70°-80°	3.8	0.2
80°-90°	0.2	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°	2487.4	100.0
0°-180°	2487.4	100.0

**Coefficient of Utilization**



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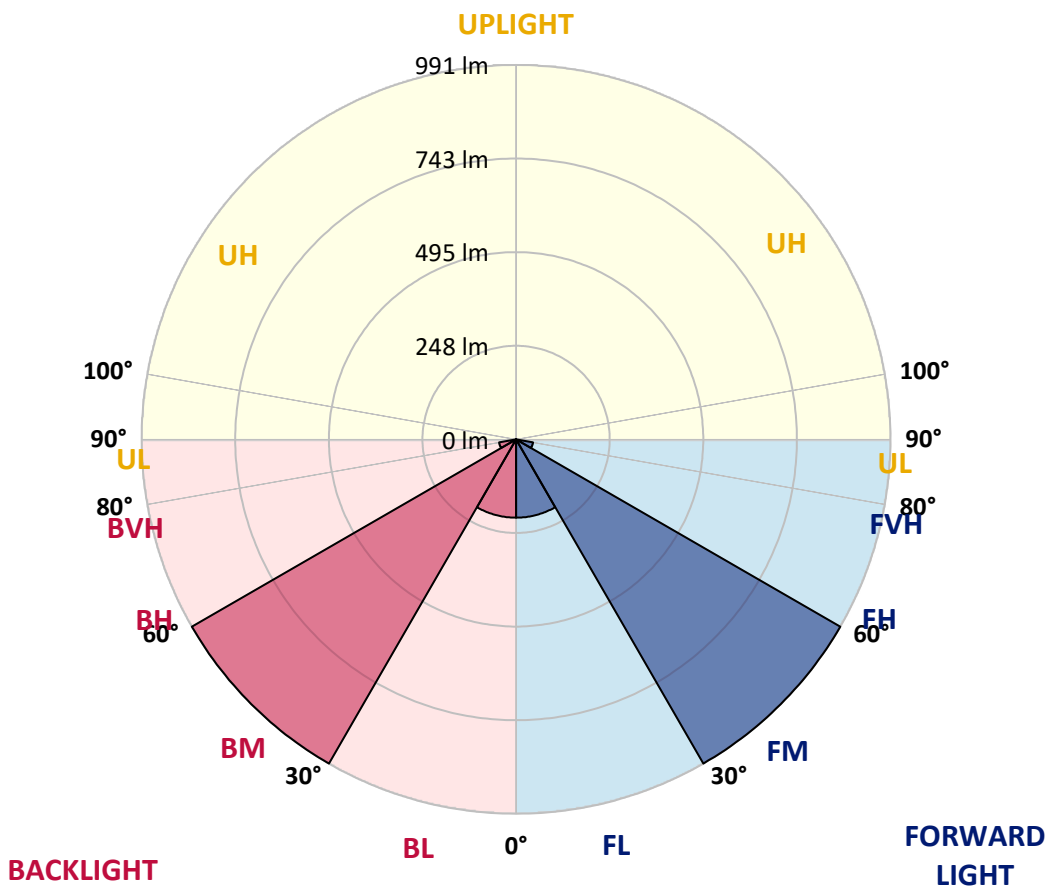
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.2	8.3			
FM (30°-60°)	990.7	39.8			
FH (60°-80°)	45.6	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	207.2	8.3	B1/500		
BM (30°-60°)	990.7	39.8	B1/1000		
BH (60°-80°)	45.6	1.8	B0/110		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: 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°	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2
2.5°	401.4	401.4	402.4	403.2	403.2	405.2	404.4	403.7	403.7	402.7	404.7
5°	407.2	407.0	408.0	408.5	407.5	409.5	408.2	407.5	407.0	406.0	408.0
7.5°	413.6	413.8	414.1	415.1	414.6	416.6	415.6	414.1	413.6	412.0	414.1
10°	421.2	421.2	421.7	422.9	423.2	425.7	424.7	422.9	421.4	419.9	421.9
12.5°	430.8	431.1	431.8	433.6	434.6	437.4	435.9	432.3	430.0	428.3	430.5
15°	444.7	444.5	445.5	448.0	449.3	451.3	449.0	444.2	441.4	439.4	440.9
17.5°	459.9	459.9	460.4	463.0	464.8	467.8	465.0	459.2	456.6	453.9	455.4
20°	476.7	477.4	477.9	479.7	482.7	485.8	483.5	477.7	474.9	471.3	473.1
22.5°	498.7	498.0	498.2	501.2	505.6	508.6	506.8	500.0	495.2	492.4	493.4
25°	523.3	523.0	523.8	528.4	533.2	536.5	533.9	525.1	520.3	515.4	517.5
27.5°	553.5	553.7	554.2	559.8	567.4	572.2	565.9	557.0	550.4	544.1	545.6
30°	589.2	588.7	590.2	597.8	608.9	616.6	609.2	596.8	587.4	581.3	582.1
32.5°	627.2	627.7	631.8	643.9	658.6	672.0	657.1	640.6	628.5	617.1	618.6
35°	668.2	669.5	678.6	696.6	720.7	738.7	717.9	690.8	673.6	658.9	659.4
37.5°	716.6	719.7	732.4	759.2	793.7	817.8	787.4	751.4	729.1	710.8	709.6
40°	780.3	783.8	801.0	833.0	874.8	896.8	861.6	824.6	797.0	777.2	774.2
42.5°	853.2	857.8	876.6	909.2	951.1	966.0	931.5	900.4	875.5	852.2	851.2
45°	935.6	938.1	953.3	978.4	1008.6	1012.1	986.3	969.0	944.0	922.2	920.4
47.5°	1012.9	1015.4	1025.8	1038.7	1045.8	1033.2	1028.6	1021.0	988.6	961.7	956.1
50°	1071.7	1073.7	1086.6	1091.7	1071.9	1045.1	1053.9	1037.7	1002.5	972.3	963.7
52.5°	1067.6	1072.7	1105.9	1134.8	1122.4	1100.6	1076.7	1041.8	987.0	945.7	935.1
55°	919.1	926.0	997.2	1092.2	1177.1	1186.5	1091.2	978.4	875.5	815.0	804.1
57.5°	590.7	592.5	679.4	812.7	1004.0	1064.3	904.9	737.7	609.7	543.1	538.5
60°	217.2	213.6	279.3	389.7	578.3	642.1	532.7	373.0	266.1	218.9	215.1
62.5°	52.2	52.7	65.4	98.1	181.4	224.5	177.4	99.1	63.1	53.0	52.5
65°	26.4	25.8	26.1	28.1	38.8	46.4	38.0	26.9	25.8	26.1	25.8
67.5°	17.0	16.7	17.2	17.5	17.2	16.2	16.0	16.5	16.5	16.7	16.2
70°	10.4	10.1	10.6	11.4	10.9	9.6	10.1	10.6	10.1	9.9	9.9
72.5°	5.6	5.6	6.1	6.6	6.1	5.6	5.6	5.8	5.6	5.6	5.6
75°	2.5	2.5	2.8	3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	0.8	0.8	1.0	1.0	0.8	0.8	0.8	0.8	1.0	1.0	1.0
80°	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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)