

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: P629387

Luminaire Tested: GWS-SA1B-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629387  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

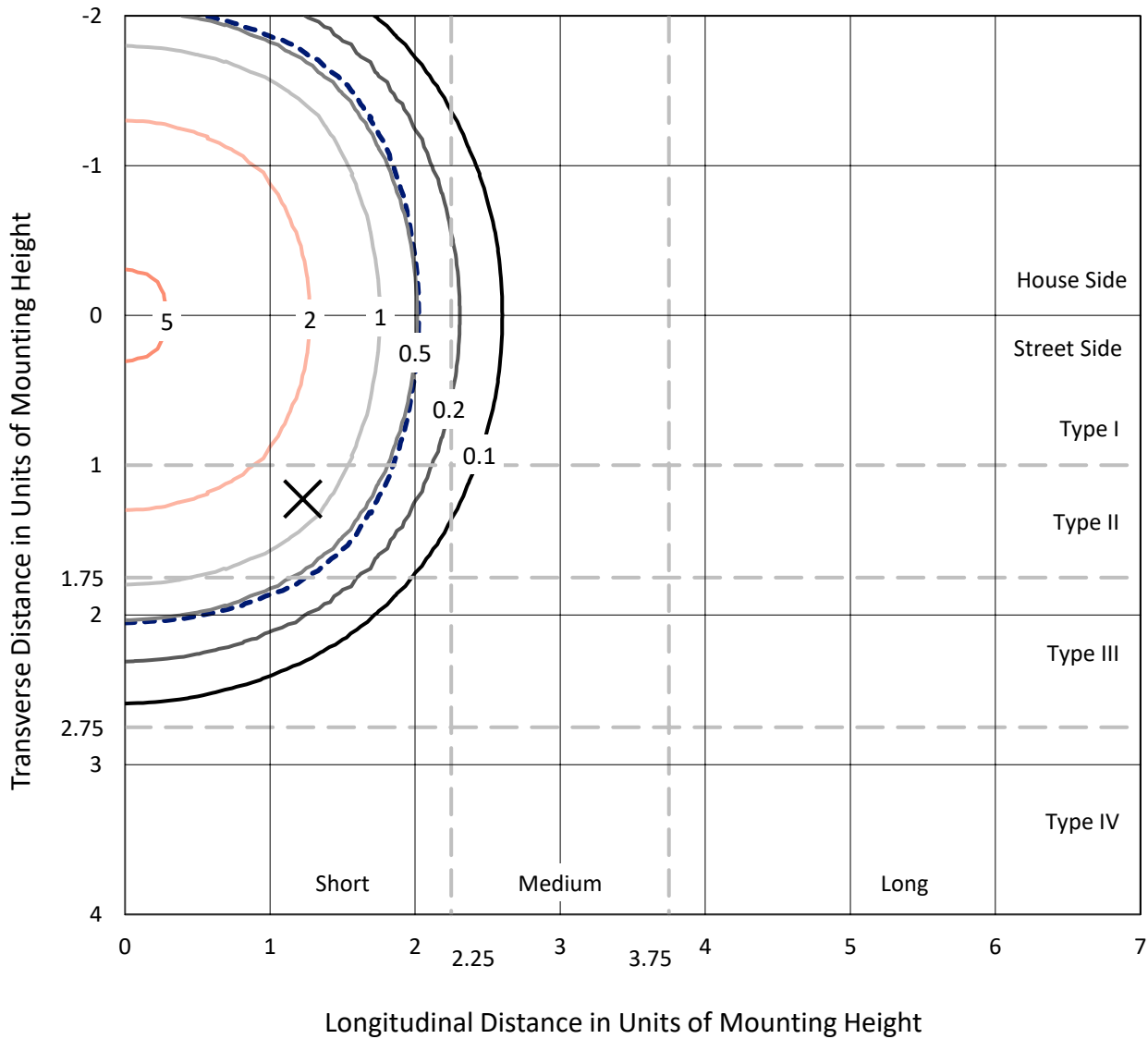
Lumens per Lamp: N/A  
Luminaire Lumens: 3096.2 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

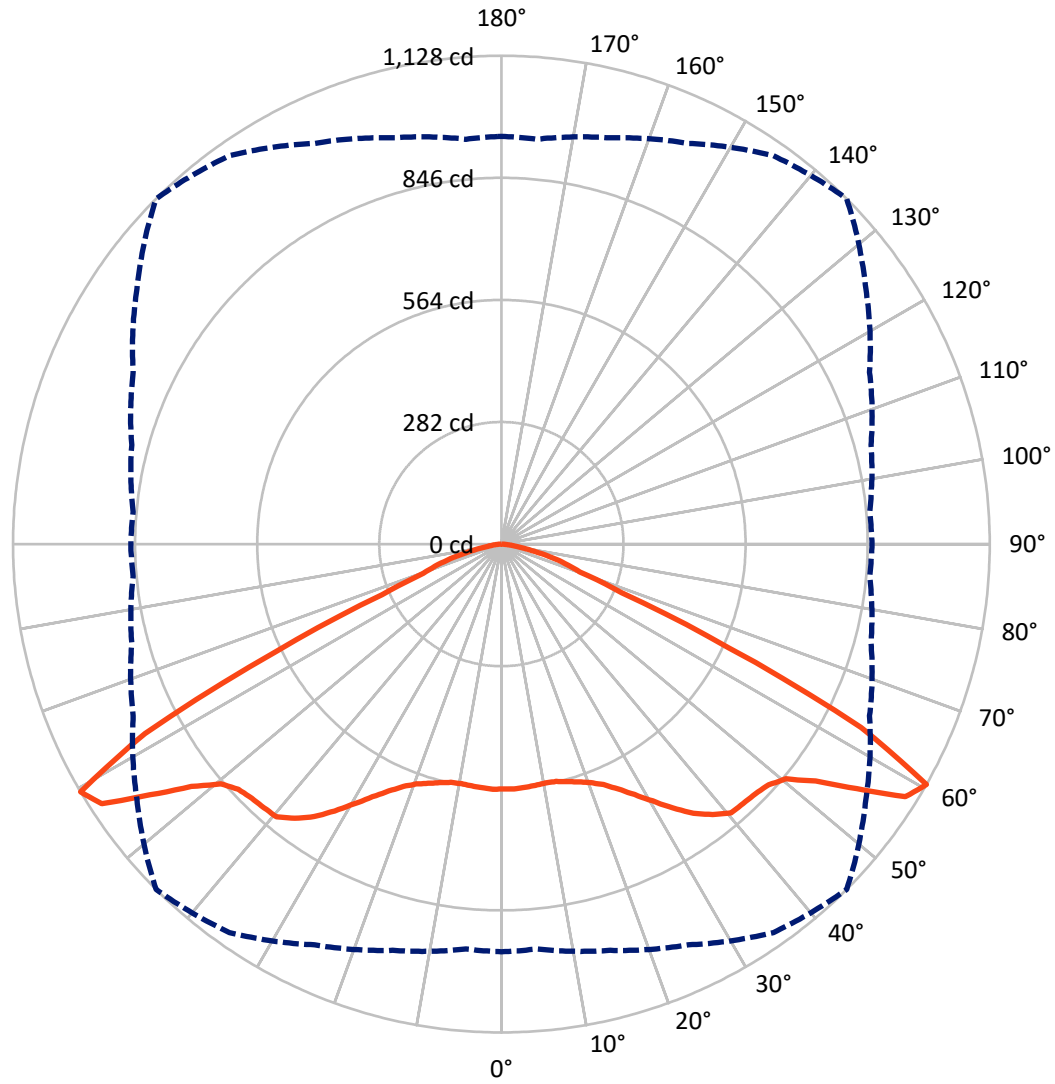
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1548.1	0.0	1548.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1548.1	0.0	1548.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3096.2	0.0	3096.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.7	1.7
10°-20°	161.4	5.2
20°-30°	285.5	9.2
30°-40°	459.7	14.8
40°-50°	631.9	20.4
50°-60°	842.1	27.2
60°-70°	524.8	17.0
70°-80°	120.7	3.9
80°-90°	16.4	0.5
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°	3096.2	100.0
0°-180°	3096.2	100.0

**Coefficient of Utilization**



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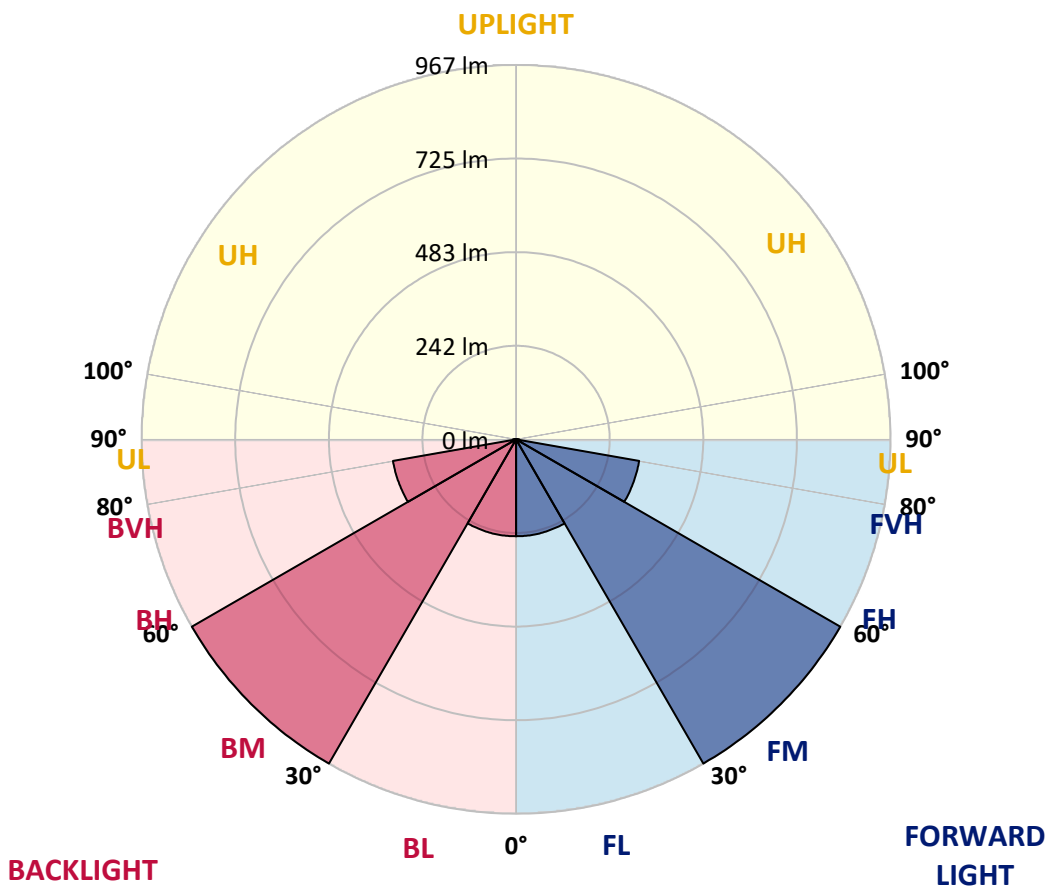
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	250.3	8.1			
FM (30°-60°)	966.9	31.2			
FH (60°-80°)	322.8	10.4			G0/660
FVH (80°-90°)	8.2	0.3			G0/10
BL (0°-30°)	250.3	8.1	B1/500		
BM (30°-60°)	966.9	31.2	B1/1000		
BH (60°-80°)	322.8	10.4	B1/500		G0/660
BVH (80°-90°)	8.2	0.3			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°	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8
2.5°	561.9	562.4	563.5	564.2	565.3	566.4	566.9	565.8	565.3	563.2	565.6
5°	562.4	562.9	563.7	563.7	564.0	564.8	564.8	563.5	562.1	559.8	562.4
7.5°	561.6	562.1	562.4	562.1	562.4	562.7	562.1	560.6	559.3	557.2	559.3
10°	560.3	560.8	561.4	560.8	560.3	561.1	561.1	560.0	559.3	557.2	559.5
12.5°	563.2	564.0	564.2	562.9	562.4	562.7	562.7	561.6	561.6	559.8	562.4
15°	570.0	570.6	569.8	568.2	568.5	569.2	567.4	564.8	564.2	563.5	565.6
17.5°	575.3	575.8	575.0	574.0	575.8	577.7	574.2	569.2	567.7	567.1	569.5
20°	581.1	581.9	580.8	582.1	585.8	587.9	583.7	576.9	573.7	572.9	575.8
22.5°	590.5	591.6	591.6	594.5	600.0	603.4	598.2	589.0	584.2	582.9	585.8
25°	605.5	606.3	607.1	612.9	621.8	626.5	618.1	605.5	598.9	596.8	598.4
27.5°	626.3	627.6	628.9	637.3	648.3	655.2	643.1	627.3	619.2	615.0	618.1
30°	651.0	652.8	656.0	665.4	680.9	688.6	673.1	653.9	644.7	640.2	644.4
32.5°	684.6	684.9	687.2	697.8	718.3	726.9	707.5	686.2	676.7	671.5	673.8
35°	724.6	724.8	721.1	731.9	754.0	763.7	740.9	719.3	711.4	709.8	715.9
37.5°	765.6	763.2	759.5	764.2	786.6	792.9	768.7	750.3	746.9	749.8	758.7
40°	794.7	790.8	783.4	786.8	809.4	816.8	791.1	773.7	772.7	779.8	790.5
42.5°	813.7	809.4	800.8	800.8	816.3	819.4	799.5	790.3	792.6	800.8	811.0
45°	822.9	820.5	815.5	812.9	821.5	822.9	807.6	803.9	808.4	812.3	820.2
47.5°	829.9	829.9	828.4	825.7	829.7	830.5	819.2	818.1	823.9	823.9	829.2
50°	842.6	843.9	846.0	845.5	849.7	852.3	843.9	842.3	844.7	837.0	839.7
52.5°	875.7	879.1	885.1	889.9	900.6	908.8	893.8	881.2	868.8	852.0	852.5
55°	935.1	936.6	948.5	962.4	980.5	997.1	966.3	927.2	900.4	880.7	880.9
57.5°	985.3	987.6	1005.0	1034.2	1074.9	1100.6	1032.6	967.1	929.3	905.1	905.9
60°	941.9	938.8	971.6	1021.5	1095.4	1128.2	1027.8	938.5	884.1	854.1	856.2
62.5°	728.8	722.7	759.3	811.6	900.1	933.0	840.5	754.8	703.3	679.9	676.5
65°	443.6	438.1	464.4	496.4	556.4	577.1	534.8	489.3	444.4	430.2	426.3
67.5°	241.5	240.7	247.8	263.6	289.9	299.6	291.5	269.9	258.3	248.4	248.4
70°	191.6	190.0	188.7	189.0	191.3	192.6	192.9	191.9	193.2	193.4	192.4
72.5°	158.7	158.2	155.6	155.8	154.8	154.3	156.1	157.2	159.3	159.5	159.5
75°	115.1	113.8	115.1	115.4	114.3	114.3	115.6	115.4	116.4	116.9	114.1
77.5°	65.4	65.4	67.3	69.4	71.0	71.0	72.3	72.3	73.6	73.3	72.8
80°	36.0	36.0	37.1	38.4	39.9	41.5	42.8	43.1	43.9	43.6	42.8
82.5°	20.5	20.8	21.3	22.1	23.7	25.0	26.3	26.5	27.3	27.3	26.5
85°	9.7	9.5	9.7	10.2	11.0	12.1	13.4	14.2	14.7	14.7	14.2
87.5°	1.8	2.1	1.8	2.1	2.4	3.2	3.7	4.2	5.0	5.3	4.7
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)