

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: P630045

Luminaire Tested: GWS-SA1C-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630045  
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-SA1C-830-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) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

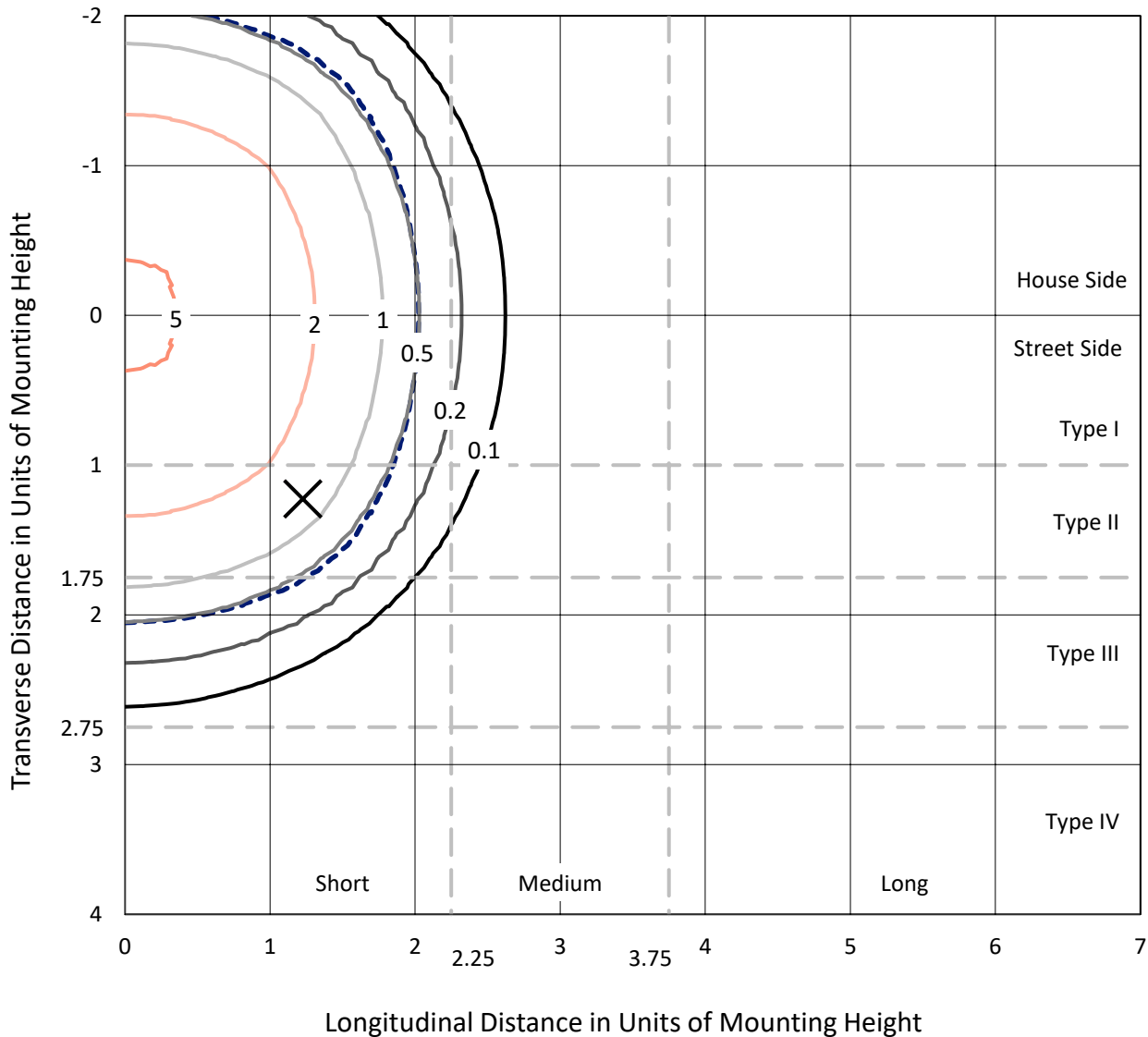
Lumens per Lamp: N/A  
Luminaire Lumens: 3224.7 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

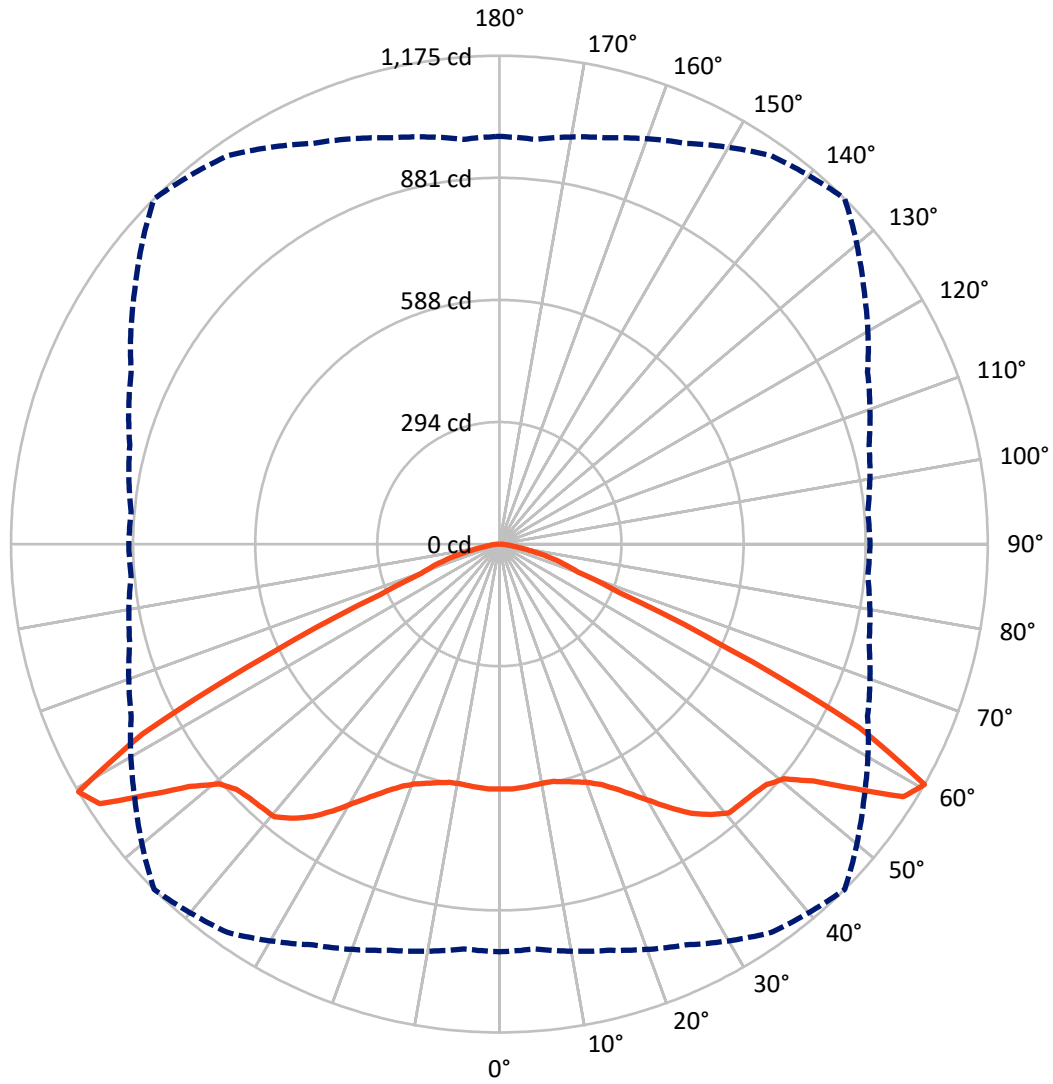
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 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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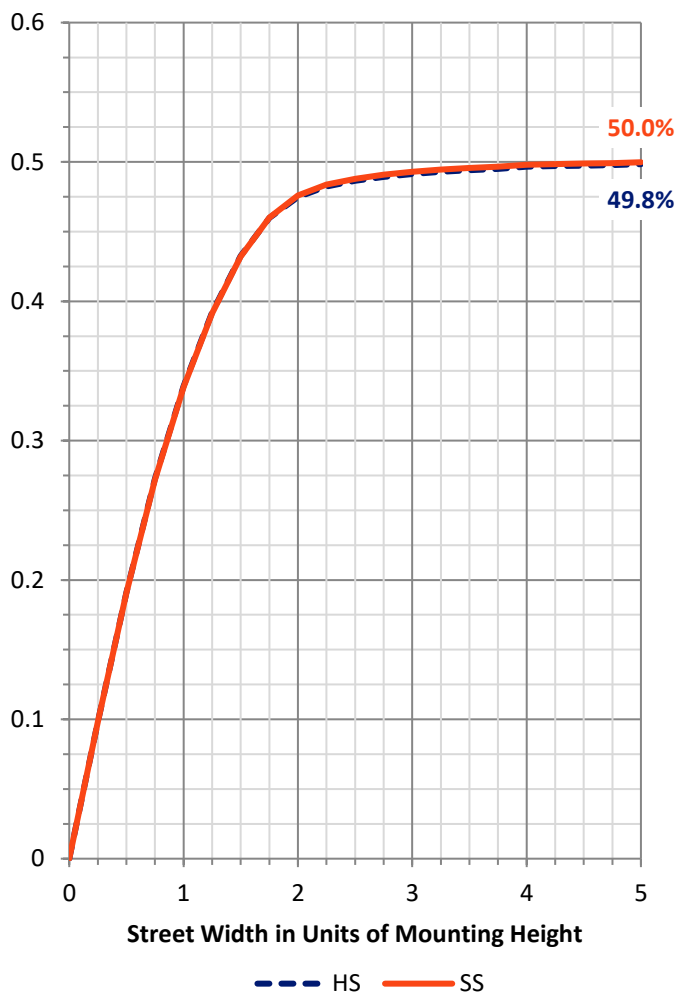
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1612.4	0.0	1612.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1612.4	0.0	1612.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3224.7	0.0	3224.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.9	1.7
10°-20°	168.1	5.2
20°-30°	297.4	9.2
30°-40°	478.8	14.8
40°-50°	658.1	20.4
50°-60°	877.0	27.2
60°-70°	546.6	17.0
70°-80°	125.7	3.9
80°-90°	17.1	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°	3224.7	100.0
0°-180°	3224.7	100.0

**Coefficient of Utilization**



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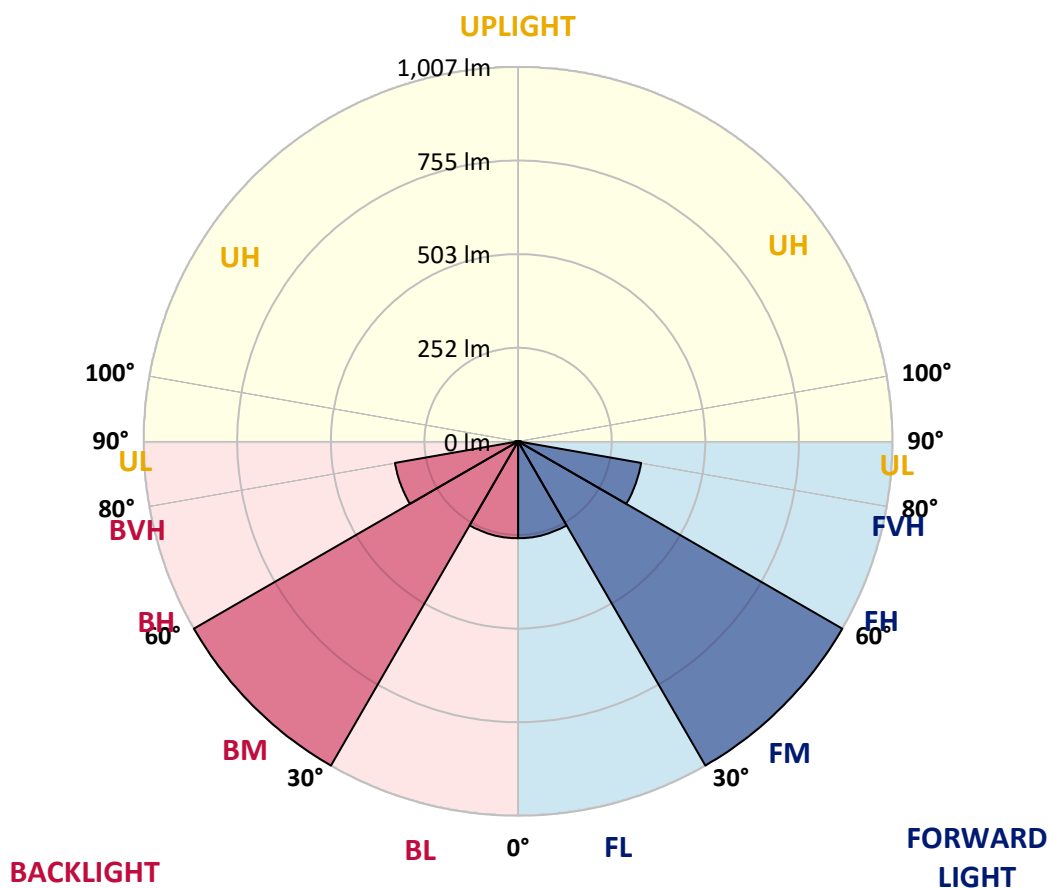
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	260.7	8.1			
FM (30°-60°)	1007.0	31.2			
FH (60°-80°)	336.2	10.4			G0/660
FVH (80°-90°)	8.5	0.3			G0/10
BL (0°-30°)	260.7	8.1	B1/500		
BM (30°-60°)	1007.0	31.2	B2/2500		
BH (60°-80°)	336.2	10.4	B1/500		G0/660
BVH (80°-90°)	8.5	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3
2.5°	585.2	585.8	586.8	587.7	588.8	589.9	590.4	589.3	588.8	586.6	589.0
5°	585.8	586.3	587.1	587.1	587.4	588.2	588.2	586.8	585.5	583.0	585.8
7.5°	584.9	585.5	585.8	585.5	585.8	586.0	585.5	583.8	582.5	580.3	582.5
10°	583.6	584.1	584.7	584.1	583.6	584.4	584.4	583.3	582.5	580.3	582.7
12.5°	586.6	587.4	587.7	586.3	585.8	586.0	586.0	584.9	584.9	583.0	585.8
15°	593.7	594.2	593.4	591.8	592.0	592.9	591.0	588.2	587.7	586.8	589.0
17.5°	599.2	599.7	598.9	597.8	599.7	601.6	598.1	592.9	591.2	590.7	593.1
20°	605.2	606.0	604.9	606.3	610.1	612.3	607.9	600.8	597.5	596.7	599.7
22.5°	615.0	616.1	616.1	619.1	624.9	628.5	623.0	613.4	608.5	607.1	610.1
25°	630.6	631.5	632.3	638.3	647.6	652.5	643.8	630.6	623.8	621.6	623.3
27.5°	652.3	653.6	655.0	663.8	675.3	682.4	669.8	653.4	644.9	640.5	643.8
30°	678.0	679.9	683.2	693.0	709.2	717.1	701.0	681.0	671.4	666.8	671.2
32.5°	713.0	713.3	715.8	726.7	748.1	757.1	736.8	714.7	704.8	699.3	701.8
35°	754.6	754.9	751.1	762.3	785.3	795.4	771.6	749.2	740.9	739.3	745.6
37.5°	797.3	794.9	791.0	796.0	819.2	825.8	800.6	781.5	777.9	780.9	790.2
40°	827.7	823.6	815.9	819.5	843.0	850.7	823.9	805.8	804.7	812.1	823.3
42.5°	847.4	843.0	834.0	834.0	850.2	853.4	832.6	823.1	825.5	834.0	844.7
45°	857.0	854.5	849.3	846.6	855.6	857.0	841.1	837.3	841.9	846.1	854.3
47.5°	864.4	864.4	862.8	860.0	864.1	864.9	853.2	852.1	858.1	858.1	863.6
50°	877.5	878.9	881.1	880.5	884.9	887.7	878.9	877.3	879.7	871.8	874.5
52.5°	912.0	915.6	921.9	926.8	938.0	946.5	930.9	917.8	904.9	887.4	887.9
55°	973.9	975.5	987.8	1002.3	1021.2	1038.5	1006.5	965.7	937.7	917.2	917.5
57.5°	1026.2	1028.6	1046.7	1077.1	1119.5	1146.3	1075.4	1007.3	967.9	942.7	943.5
60°	981.0	977.7	1011.9	1063.9	1140.8	1175.1	1070.5	977.4	920.8	889.6	891.8
62.5°	759.0	752.7	790.8	845.2	937.5	971.7	875.3	786.1	732.5	708.1	704.5
65°	462.0	456.3	483.7	517.0	579.5	601.1	557.0	509.7	462.9	448.1	444.0
67.5°	251.5	250.7	258.1	274.5	301.9	312.0	303.6	281.1	269.1	258.7	258.7
70°	199.5	197.9	196.5	196.8	199.3	200.6	200.9	199.8	201.2	201.5	200.4
72.5°	165.3	164.8	162.0	162.3	161.2	160.7	162.6	163.7	165.9	166.1	166.1
75°	119.9	118.5	119.9	120.2	119.1	119.1	120.4	120.2	121.3	121.8	118.8
77.5°	68.2	68.2	70.1	72.3	73.9	73.9	75.3	75.3	76.6	76.4	75.8
80°	37.5	37.5	38.6	40.0	41.6	43.2	44.6	44.9	45.7	45.4	44.6
82.5°	21.3	21.6	22.2	23.0	24.6	26.0	27.4	27.6	28.5	28.5	27.6
85°	10.1	9.9	10.1	10.7	11.5	12.6	14.0	14.8	15.3	15.3	14.8
87.5°	1.9	2.2	1.9	2.2	2.5	3.3	3.8	4.4	5.2	5.5	4.9
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)