

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: P629607

Luminaire Tested: GWS-SA1C-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629607  
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-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

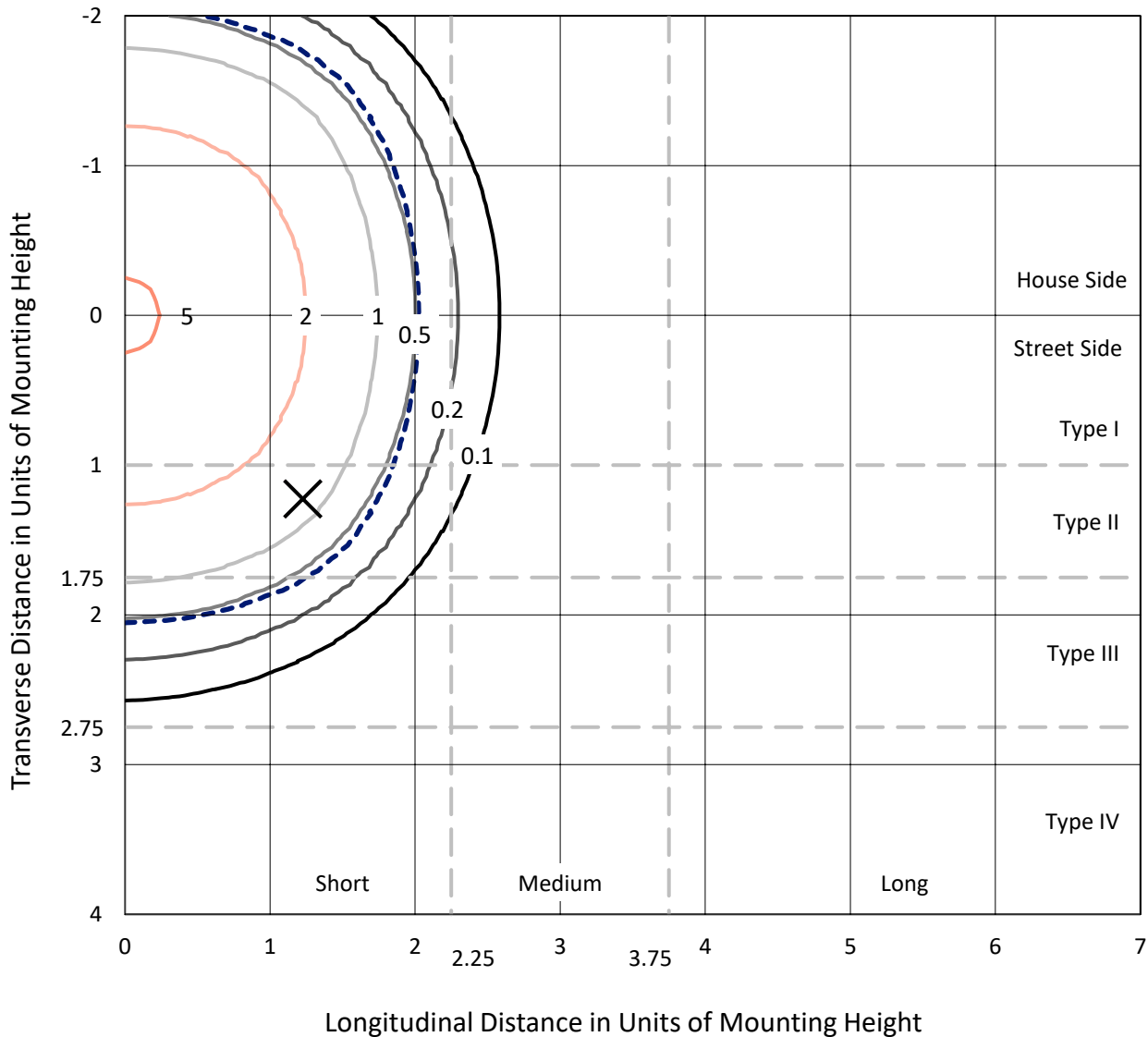
Lumens per Lamp: N/A  
Luminaire Lumens: 2990.1 lumens  
Efficiency: N/A  
Efficacy: 87.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

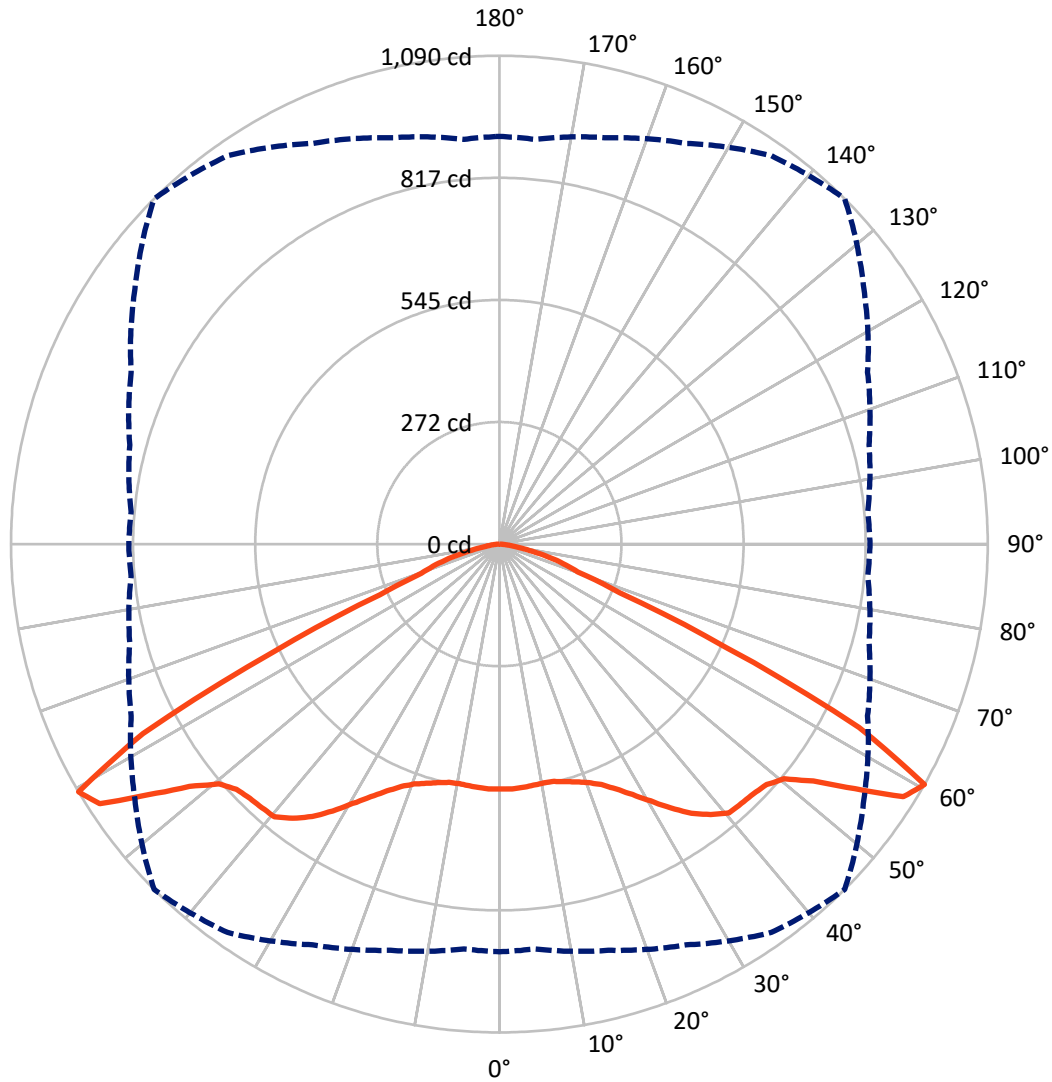
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 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	1495.1	0.0	1495.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1495.1	0.0	1495.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2990.1	0.0	2990.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.8	1.7
10°-20°	155.9	5.2
20°-30°	275.8	9.2
30°-40°	444.0	14.8
40°-50°	610.2	20.4
50°-60°	813.2	27.2
60°-70°	506.8	17.0
70°-80°	116.6	3.9
80°-90°	15.8	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°	2990.1	100.0
0°-180°	2990.1	100.0

**Coefficient of Utilization**



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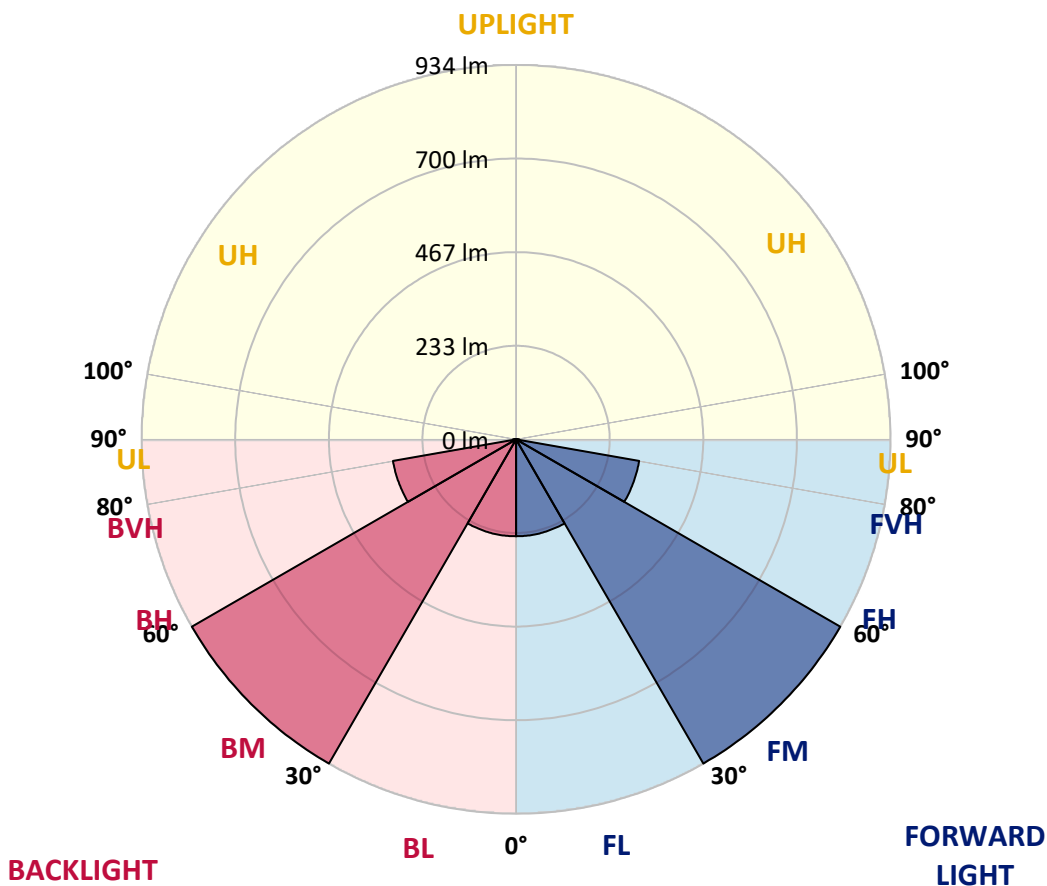
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.7	8.1			
FM (30°-60°)	933.7	31.2			
FH (60°-80°)	311.7	10.4			G0/660
FVH (80°-90°)	7.9	0.3			G0/10
BL (0°-30°)	241.7	8.1	B1/500		
BM (30°-60°)	933.7	31.2	B1/1000		
BH (60°-80°)	311.7	10.4	B1/500		G0/660
BVH (80°-90°)	7.9	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°	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4
2.5°	542.6	543.1	544.2	544.9	545.9	546.9	547.5	546.4	545.9	543.9	546.2
5°	543.1	543.6	544.4	544.4	544.7	545.4	545.4	544.2	542.9	540.6	543.1
7.5°	542.4	542.9	543.1	542.9	543.1	543.4	542.9	541.4	540.1	538.1	540.1
10°	541.1	541.6	542.1	541.6	541.1	541.9	541.9	540.9	540.1	538.1	540.3
12.5°	543.9	544.7	544.9	543.6	543.1	543.4	543.4	542.4	542.4	540.6	543.1
15°	550.5	551.0	550.2	548.7	549.0	549.7	548.0	545.4	544.9	544.2	546.2
17.5°	555.6	556.1	555.3	554.3	556.1	557.9	554.6	549.7	548.2	547.7	550.0
20°	561.2	561.9	560.9	562.2	565.7	567.8	563.7	557.1	554.1	553.3	556.1
22.5°	570.3	571.3	571.3	574.1	579.4	582.7	577.7	568.8	564.2	562.9	565.7
25°	584.8	585.5	586.3	591.9	600.5	605.1	596.9	584.8	578.4	576.4	577.9
27.5°	604.8	606.1	607.3	615.5	626.1	632.7	621.1	605.8	598.0	593.9	596.9
30°	628.7	630.4	633.5	642.6	657.6	665.0	650.0	631.5	622.6	618.3	622.3
32.5°	661.2	661.4	663.7	673.8	693.6	702.0	683.2	662.7	653.5	648.5	650.7
35°	699.7	700.0	696.4	706.8	728.2	737.5	715.5	694.7	687.0	685.5	691.4
37.5°	739.3	737.0	733.5	738.1	759.6	765.7	742.4	724.6	721.3	724.1	732.7
40°	767.5	763.7	756.6	759.9	781.7	788.8	763.9	747.2	746.2	753.0	763.4
42.5°	785.8	781.7	773.3	773.3	788.3	791.4	772.1	763.2	765.5	773.3	783.2
45°	794.7	792.4	787.5	785.0	793.4	794.7	779.9	776.4	780.7	784.5	792.1
47.5°	801.5	801.5	800.0	797.4	801.3	802.0	791.1	790.1	795.7	795.7	800.7
50°	813.7	815.0	817.0	816.5	820.5	823.1	815.0	813.4	815.7	808.4	810.9
52.5°	845.7	849.0	854.8	859.4	869.8	877.6	863.2	851.0	839.1	822.8	823.3
55°	903.0	904.6	916.0	929.4	946.9	962.9	933.2	895.4	869.5	850.5	850.7
57.5°	951.5	953.8	970.5	998.7	1038.1	1062.9	997.2	934.0	897.4	874.1	874.9
60°	909.6	906.6	938.3	986.5	1057.8	1089.6	992.6	906.3	853.8	824.9	826.9
62.5°	703.8	698.0	733.2	783.7	869.3	901.0	811.7	728.9	679.2	656.6	653.3
65°	428.4	423.1	448.5	479.4	537.3	557.4	516.5	472.6	429.2	415.5	411.7
67.5°	233.2	232.5	239.3	254.6	279.9	289.3	281.5	260.7	249.5	239.8	239.8
70°	185.0	183.5	182.2	182.5	184.8	186.0	186.3	185.3	186.5	186.8	185.8
72.5°	153.3	152.8	150.3	150.5	149.5	149.0	150.8	151.8	153.8	154.1	154.1
75°	111.2	109.9	111.2	111.4	110.4	110.4	111.7	111.4	112.4	112.9	110.2
77.5°	63.2	63.2	65.0	67.0	68.5	68.5	69.8	69.8	71.1	70.8	70.3
80°	34.8	34.8	35.8	37.1	38.6	40.1	41.4	41.6	42.4	42.1	41.4
82.5°	19.8	20.1	20.6	21.3	22.8	24.1	25.4	25.6	26.4	26.4	25.6
85°	9.4	9.1	9.4	9.9	10.7	11.7	12.9	13.7	14.2	14.2	13.7
87.5°	1.8	2.0	1.8	2.0	2.3	3.0	3.6	4.1	4.8	5.1	4.6
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)