

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: P629822

Luminaire Tested: GWS-SA1C-740-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629822  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-740-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

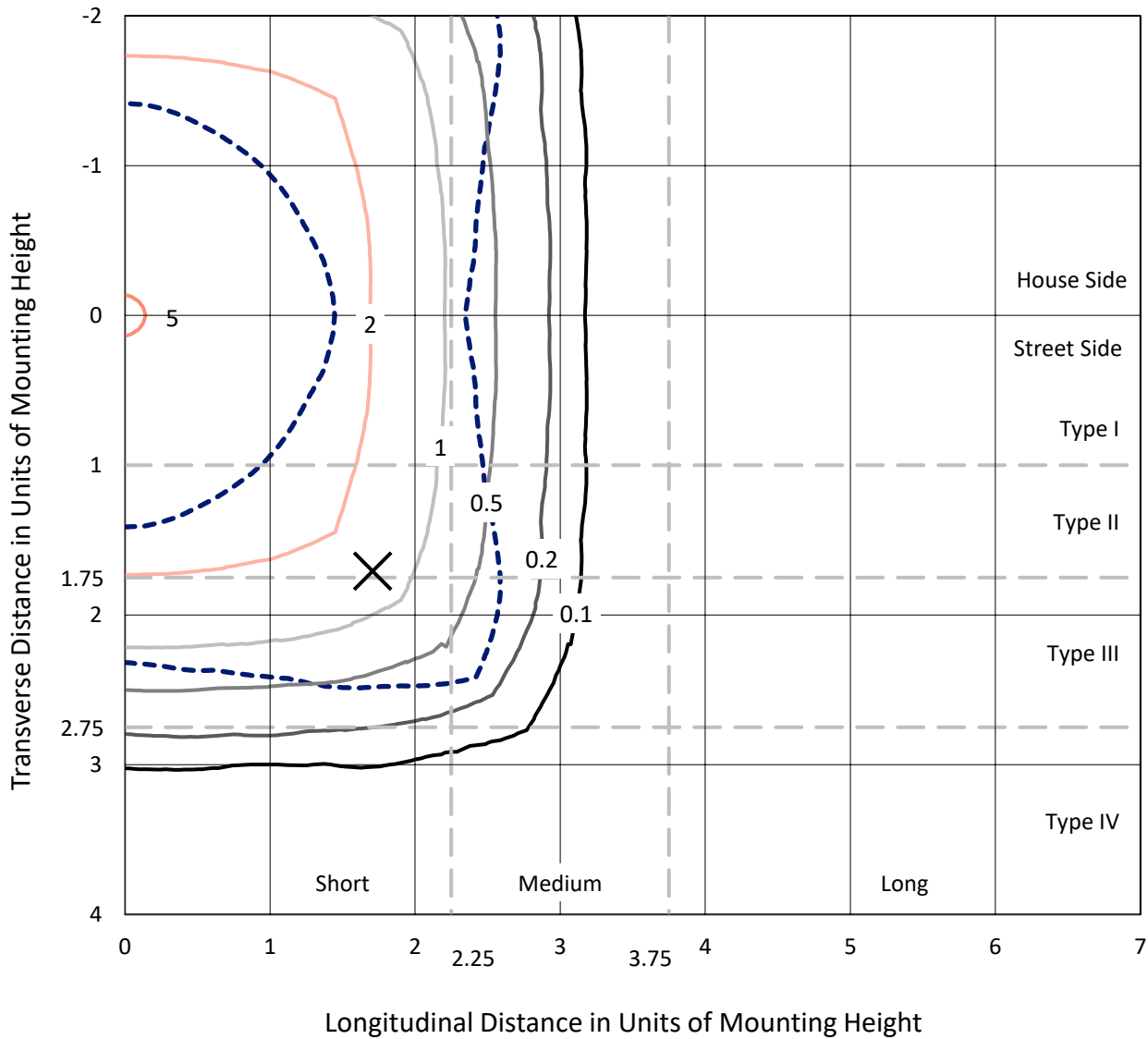
Lumens per Lamp: N/A  
Luminaire Lumens: 4977.6 lumens  
Efficiency: N/A  
Efficacy: 146.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

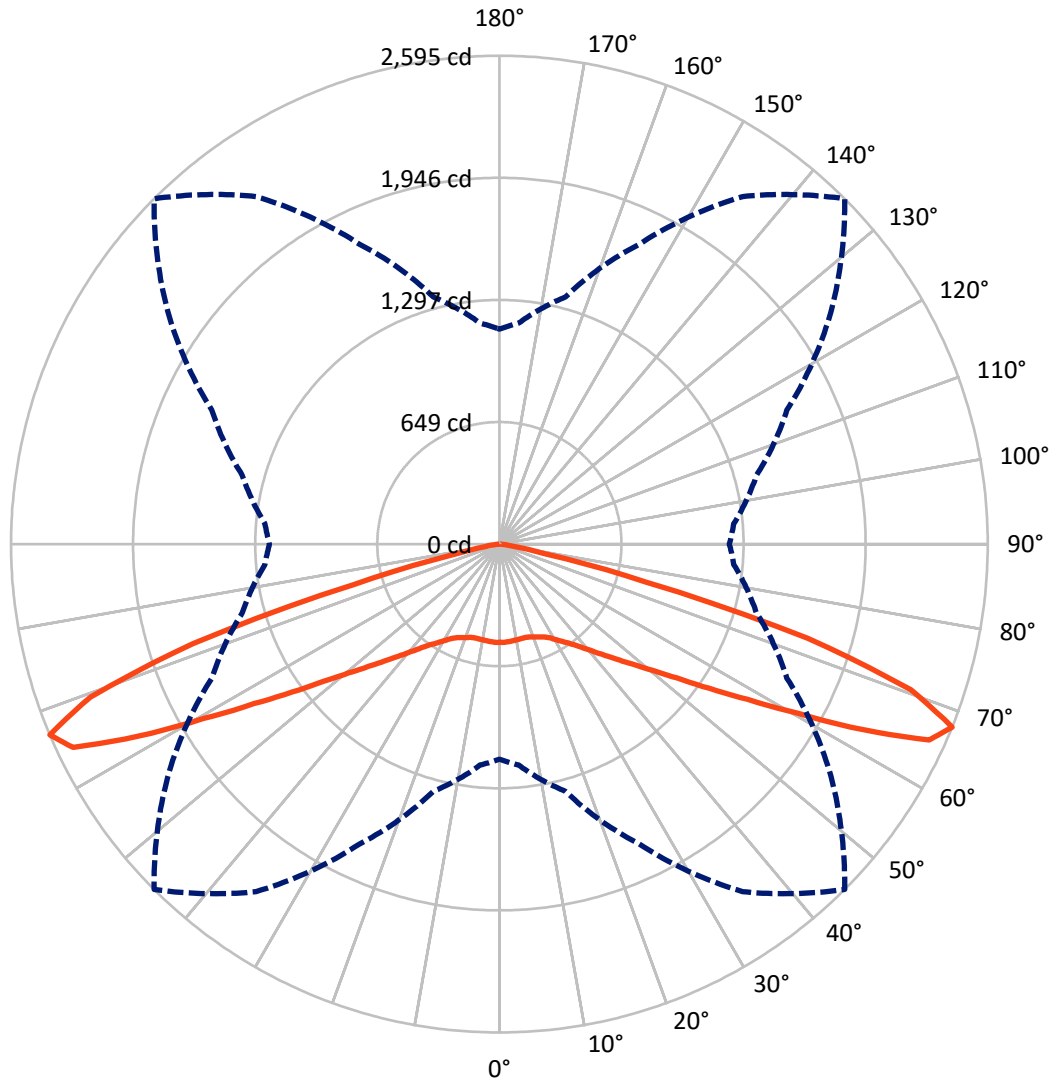
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2488.8	0.0	2488.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2488.8	0.0	2488.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4977.6	0.0	4977.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.3	1.0
10°-20°	144.9	2.9
20°-30°	249.9	5.0
30°-40°	406.4	8.2
40°-50°	684.3	13.7
50°-60°	1212.5	24.4
60°-70°	1733.2	34.8
70°-80°	475.7	9.6
80°-90°	21.3	0.4
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°	4977.6	100.0
0°-180°	4977.6	100.0

**Coefficient of Utilization**



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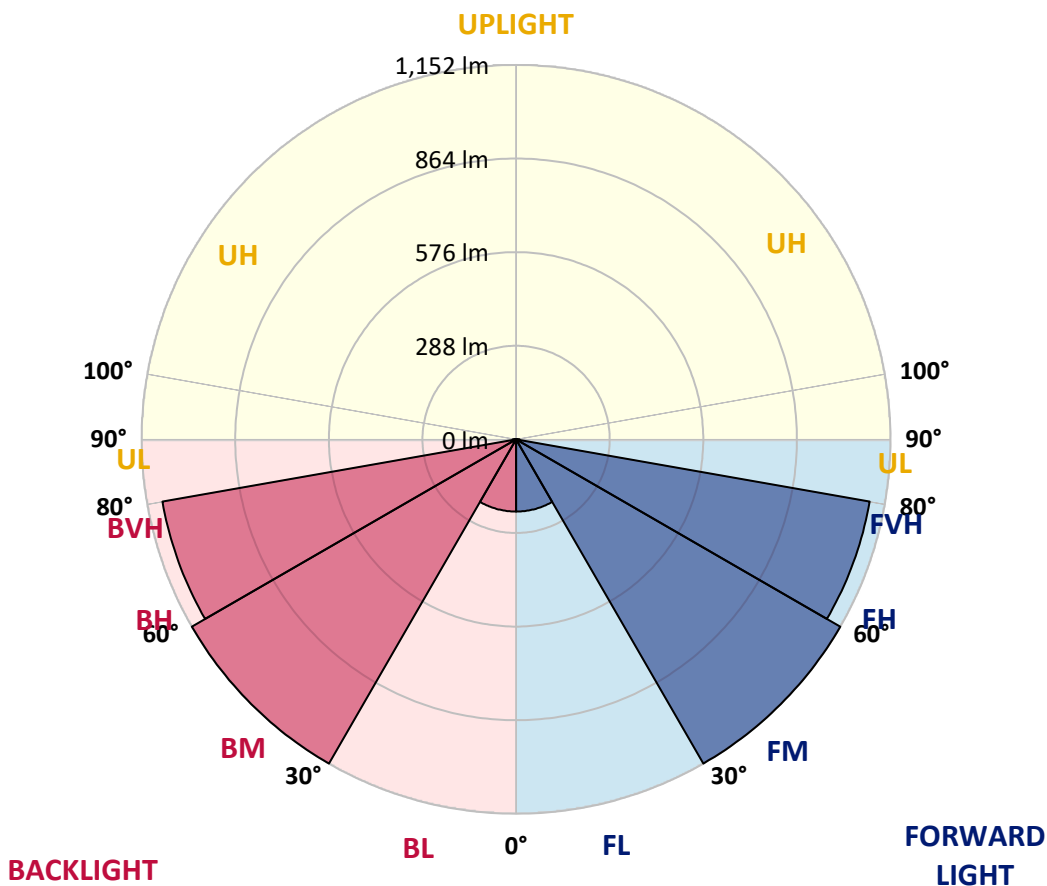
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	222.1	4.5			
FM (30°-60°)	1151.6	23.1			
FH (60°-80°)	1104.4	22.2			G1/1800
FVH (80°-90°)	10.7	0.2			G1/100
BL (0°-30°)	222.1	4.5	B1/500		
BM (30°-60°)	1151.6	23.1	B2/2500		
BH (60°-80°)	1104.4	22.2	B3/2500		G1/1800
BVH (80°-90°)	10.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3
2.5°	517.9	517.5	519.2	520.3	519.9	522.3	522.0	521.3	521.3	520.3	523.0
5°	517.9	517.5	518.9	519.2	518.6	520.6	519.9	519.2	519.2	517.9	520.3
7.5°	515.1	515.5	516.5	517.2	516.5	518.2	517.2	515.8	515.5	514.1	516.5
10°	509.9	510.3	511.3	513.0	513.4	516.5	514.8	512.4	511.3	509.9	512.4
12.5°	506.8	507.2	508.2	510.3	511.0	515.1	513.4	509.6	507.9	506.5	508.9
15°	506.2	506.5	507.9	509.9	511.0	515.1	513.4	508.9	506.5	504.8	506.8
17.5°	506.2	506.8	508.9	512.0	514.1	518.2	516.1	511.0	507.5	504.4	506.5
20°	506.5	507.5	510.6	515.1	520.3	526.1	523.4	516.5	511.7	507.9	509.3
22.5°	509.6	511.3	515.1	521.0	528.6	535.4	533.0	523.7	516.8	511.7	513.0
25°	520.3	521.0	525.8	533.4	540.6	546.5	544.1	535.4	526.8	520.6	522.3
27.5°	539.2	541.0	545.1	553.0	559.2	562.3	562.0	556.1	547.5	542.0	543.4
30°	562.0	563.7	569.2	578.2	584.4	587.8	586.8	582.3	574.4	566.8	568.2
32.5°	588.5	589.2	595.7	605.7	612.3	617.4	614.0	609.2	599.2	590.2	590.9
35°	622.3	623.3	630.2	639.5	644.7	648.8	648.1	643.3	632.6	623.0	625.4
37.5°	664.7	665.3	671.5	683.3	687.4	690.5	691.2	688.8	677.7	665.3	667.8
40°	717.4	717.7	724.6	734.9	739.4	741.5	741.8	742.2	730.8	721.5	720.8
42.5°	778.7	780.4	790.1	800.1	802.1	801.1	804.5	808.0	797.0	784.2	785.2
45°	852.1	853.1	866.2	877.2	873.5	870.0	876.6	883.4	873.5	856.9	852.1
47.5°	938.9	941.0	955.1	966.1	959.9	953.7	964.4	971.7	955.5	937.9	933.4
50°	1037.1	1038.5	1058.5	1072.3	1065.0	1053.7	1067.1	1074.7	1053.0	1031.3	1021.6
52.5°	1153.2	1150.5	1177.0	1201.1	1196.6	1181.8	1192.9	1194.2	1161.8	1131.2	1121.5
55°	1294.8	1292.1	1318.6	1345.2	1356.2	1352.4	1347.2	1339.0	1291.1	1258.3	1249.4
57.5°	1459.9	1451.3	1488.5	1524.3	1548.4	1555.3	1533.3	1514.0	1476.1	1435.8	1425.4
60°	1613.2	1612.9	1671.8	1733.8	1800.0	1827.5	1771.7	1719.3	1634.2	1560.8	1546.0
62.5°	1656.3	1663.5	1760.0	1913.7	2077.0	2174.5	2027.4	1854.1	1689.7	1579.1	1559.5
65°	1550.2	1568.1	1705.2	1947.8	2270.3	2508.7	2176.6	1857.2	1628.0	1490.2	1469.5
67.5°	1142.6	1178.4	1360.0	1757.6	2253.8	2594.5	2150.0	1685.2	1414.1	1250.1	1221.5
70°	563.7	597.8	741.8	1156.3	1854.4	2319.2	1860.3	1270.0	955.1	797.3	771.1
72.5°	207.4	221.2	277.7	494.8	1023.3	1713.1	1272.1	709.4	462.7	368.3	350.8
75°	101.6	104.1	112.7	166.1	377.6	806.3	597.8	272.2	170.2	148.2	143.3
77.5°	64.8	65.8	69.9	79.2	121.3	253.9	181.2	107.5	83.4	79.9	79.9
80°	36.2	37.2	42.7	49.3	56.9	87.2	65.1	64.4	54.8	47.9	46.9
82.5°	17.2	19.0	27.2	26.9	30.0	43.8	38.2	34.8	35.1	26.5	25.2
85°	7.9	7.9	10.7	12.7	13.4	14.8	17.6	20.0	19.6	13.4	14.5
87.5°	3.8	3.8	3.8	3.4	3.1	2.8	3.8	6.2	9.0	6.2	5.9
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)