

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: P629828

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629828  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-740-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

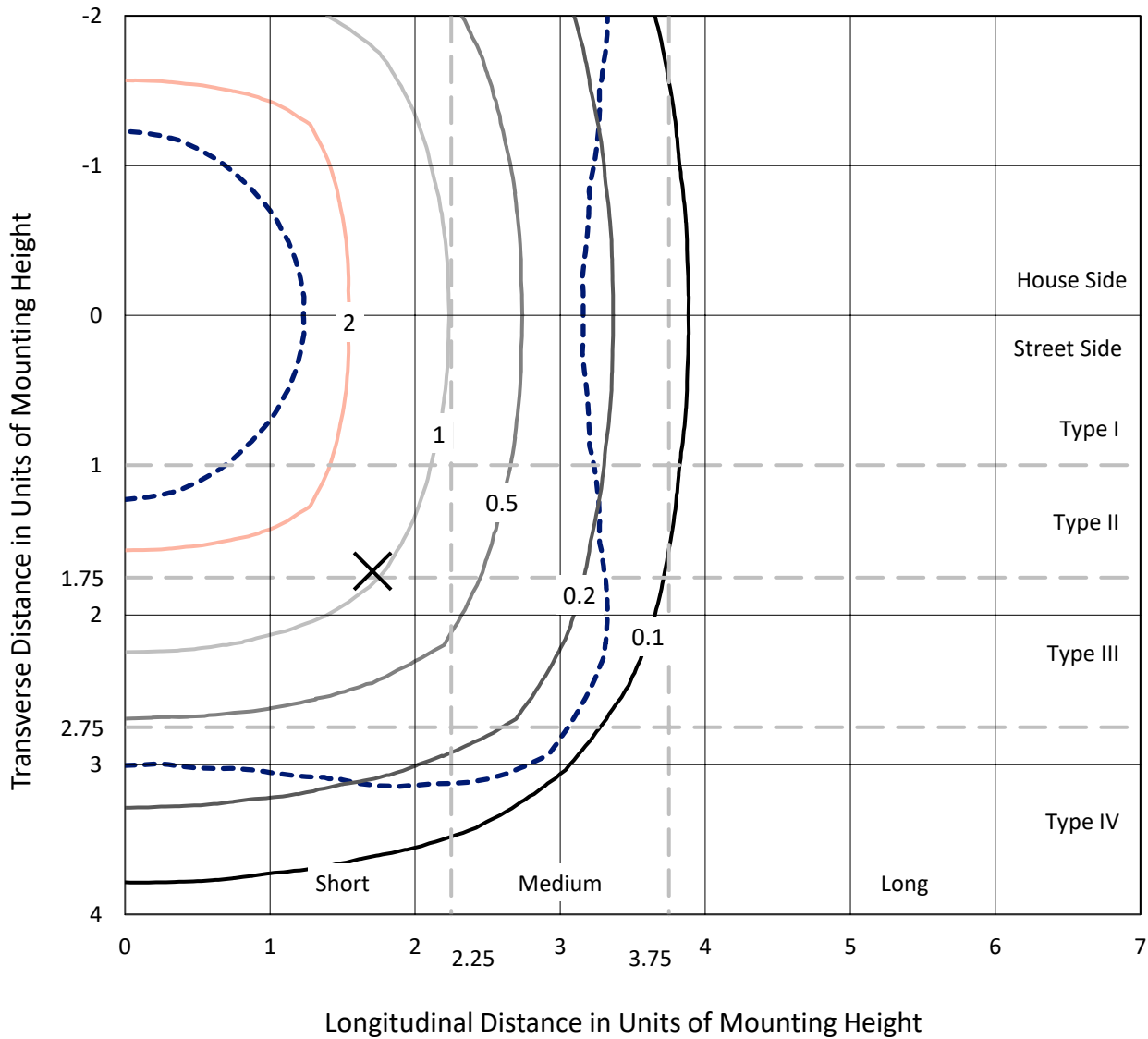
Lumens per Lamp: N/A  
Luminaire Lumens: 4872.9 lumens  
Efficiency: N/A  
Efficacy: 142.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

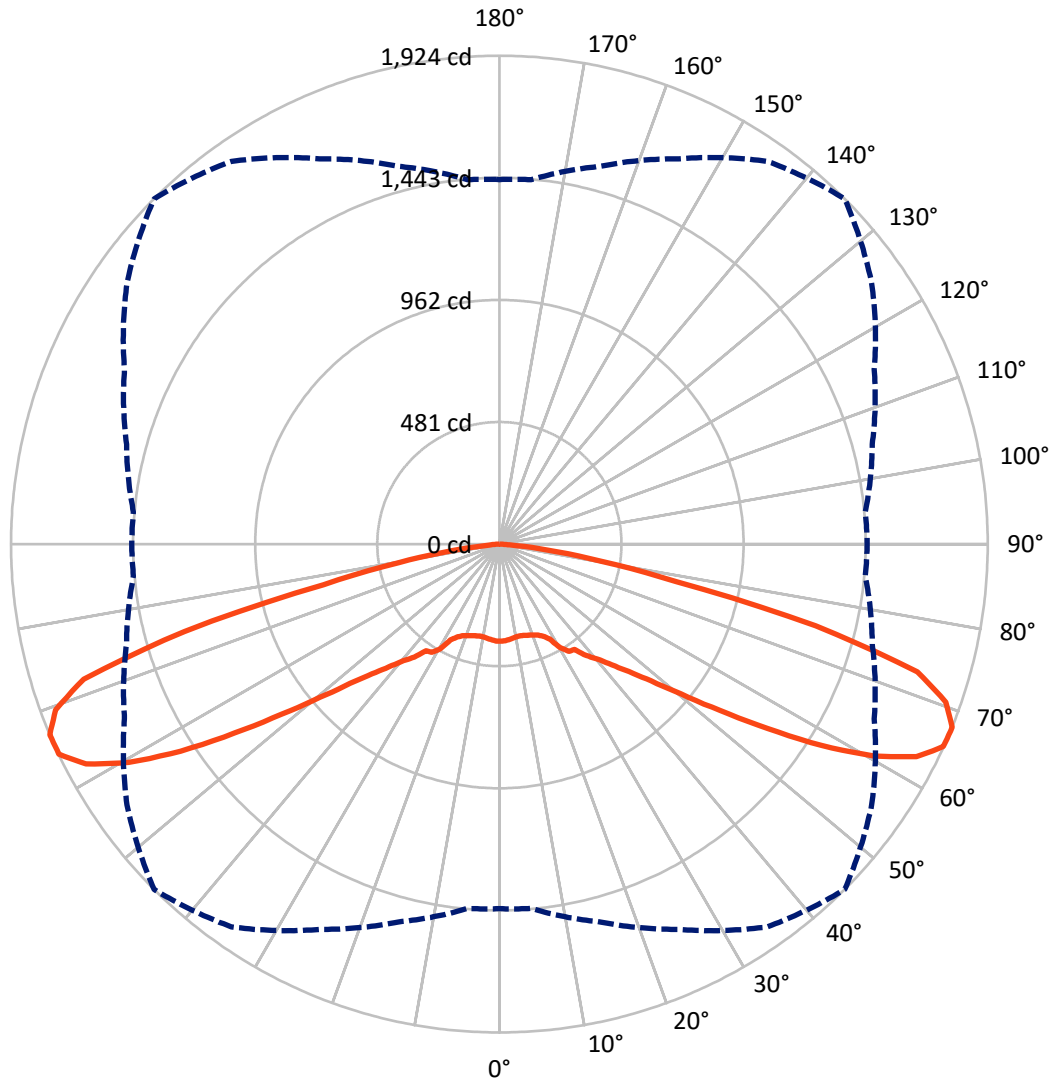
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 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	2436.5	0.0	2436.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2436.5	0.0	2436.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4872.9	0.0	4872.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.9	0.7
10°-20°	106.5	2.2
20°-30°	191.0	3.9
30°-40°	322.7	6.6
40°-50°	566.9	11.6
50°-60°	1093.6	22.4
60°-70°	1586.6	32.6
70°-80°	907.8	18.6
80°-90°	62.0	1.3
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°	4872.9	100.0
0°-180°	4872.9	100.0

**Coefficient of Utilization**



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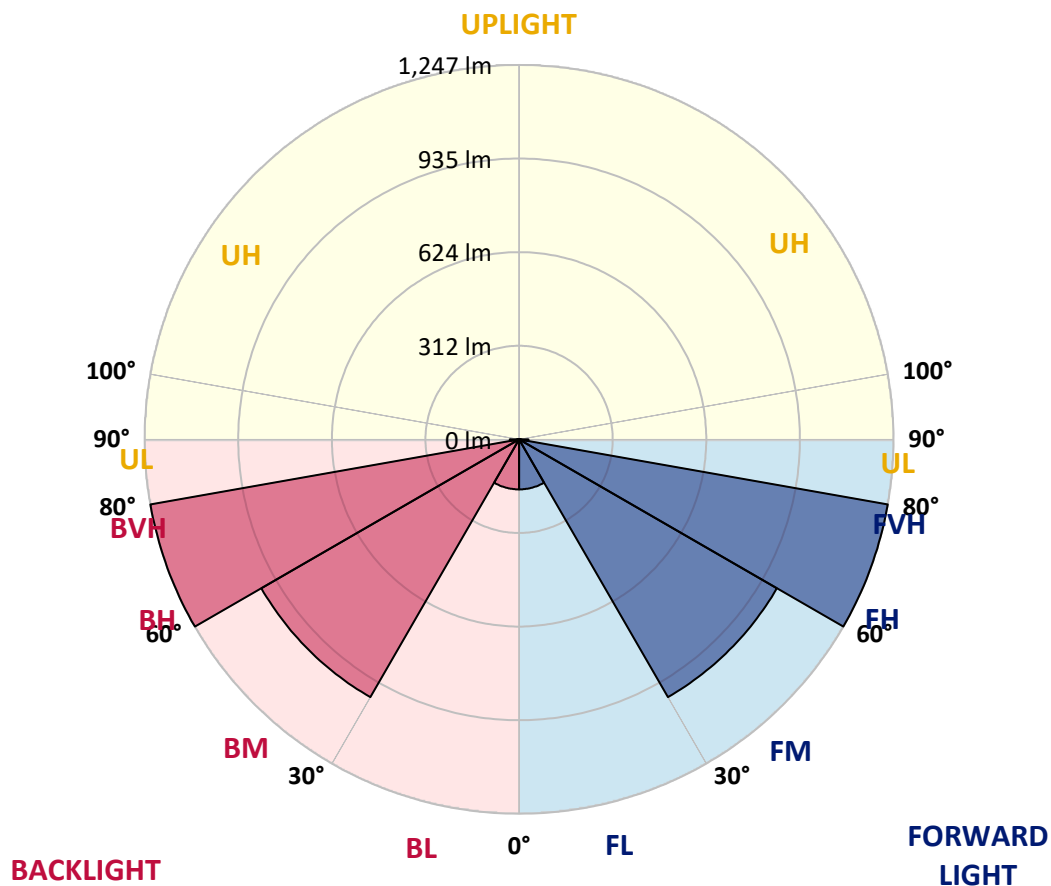
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.7	3.4			
FM (30°-60°)	991.6	20.3			
FH (60°-80°)	1247.2	25.6			G1/1800
FVH (80°-90°)	31.0	0.6			G1/100
BL (0°-30°)	166.7	3.4	B1/500		
BM (30°-60°)	991.6	20.3	B1/1000		
BH (60°-80°)	1247.2	25.6	B3/2500		G1/1800
BVH (80°-90°)	31.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		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°	382.1	382.1	382.1	382.1	382.1	382.1	382.1	382.1	382.1	382.1	382.1
2.5°	379.0	379.4	380.1	380.1	380.8	381.8	382.1	381.4	381.8	380.1	381.8
5°	378.0	378.3	378.7	378.0	378.0	378.3	378.3	377.7	378.0	376.3	378.0
7.5°	375.6	375.9	375.9	374.9	373.9	374.6	374.6	373.9	374.2	372.5	374.6
10°	373.5	373.5	373.2	371.1	370.1	371.1	371.5	371.8	373.2	371.8	374.2
12.5°	374.9	374.9	373.9	371.1	369.4	370.1	370.8	371.5	373.9	373.5	376.3
15°	378.7	379.0	376.3	373.2	372.1	373.2	372.5	372.1	375.2	376.3	379.4
17.5°	381.8	381.8	378.3	375.2	375.6	377.3	375.9	374.2	377.3	379.4	382.8
20°	384.5	384.2	380.4	378.3	379.7	382.1	381.1	378.7	380.8	383.2	386.3
22.5°	391.4	391.1	387.0	385.9	387.3	389.7	388.7	386.6	389.0	392.5	396.3
25°	411.1	410.4	404.2	400.7	400.1	401.8	401.4	400.7	404.5	408.7	413.1
27.5°	437.3	436.9	432.4	429.0	424.5	423.1	424.2	427.3	432.8	435.9	439.7
30°	450.4	450.4	449.7	455.2	464.8	474.1	466.9	455.2	450.4	449.0	452.8
32.5°	467.6	469.3	466.9	473.1	489.3	503.1	489.3	470.3	466.9	466.9	471.0
35°	507.2	507.9	504.1	503.1	508.2	510.0	503.4	496.5	500.3	501.0	506.2
37.5°	538.9	538.9	537.2	540.0	550.6	557.2	546.5	534.1	535.1	535.8	542.4
40°	587.8	589.2	585.1	584.7	588.9	594.7	583.4	575.4	581.0	582.7	592.7
42.5°	648.8	648.8	642.6	640.9	643.7	649.9	639.2	634.0	641.3	642.6	648.5
45°	721.5	723.3	715.0	711.9	713.3	715.3	707.8	705.3	712.2	715.3	725.7
47.5°	810.1	811.8	804.6	804.2	802.9	804.2	797.0	795.6	801.1	798.7	809.8
50°	919.3	922.4	916.2	924.8	923.8	927.9	918.0	910.7	910.7	904.2	910.4
52.5°	1041.7	1047.9	1051.0	1065.4	1076.5	1086.8	1070.3	1058.9	1042.3	1028.9	1045.8
55°	1175.0	1173.3	1192.9	1224.6	1257.0	1281.5	1249.1	1213.3	1186.4	1158.5	1165.0
57.5°	1291.8	1297.7	1323.5	1381.4	1445.5	1497.2	1438.9	1370.0	1309.0	1269.1	1274.6
60°	1389.0	1393.8	1428.3	1511.7	1623.6	1695.0	1602.6	1488.9	1400.4	1345.2	1351.1
62.5°	1478.6	1483.1	1517.9	1609.9	1751.1	1844.2	1724.9	1569.5	1471.0	1415.5	1419.0
65°	1530.3	1533.0	1580.6	1677.4	1826.3	1922.4	1788.0	1627.8	1531.0	1474.4	1476.5
67.5°	1436.2	1440.7	1540.9	1674.6	1840.7	1923.8	1790.8	1629.5	1520.6	1446.9	1448.6
70°	1133.0	1129.2	1248.7	1478.6	1757.7	1865.9	1711.2	1507.2	1339.0	1236.0	1234.3
72.5°	863.9	864.9	931.4	1088.9	1433.1	1721.8	1509.9	1213.6	1032.3	954.1	951.0
75°	626.4	636.1	690.2	805.6	1002.4	1287.0	1136.8	899.3	778.1	731.2	724.3
77.5°	282.2	294.6	370.1	505.8	670.2	711.2	714.0	610.6	460.7	382.8	370.8
80°	82.4	88.2	113.4	194.0	312.2	403.5	320.5	269.5	167.8	131.6	125.4
82.5°	34.8	39.6	48.6	53.8	90.6	187.1	116.5	74.1	68.9	55.8	51.0
85°	14.8	15.9	20.3	21.7	29.3	40.0	36.9	33.4	32.0	24.8	22.7
87.5°	6.2	6.2	6.2	5.5	5.2	5.5	7.6	9.6	12.7	10.0	9.3
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)