

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: P630211

Luminaire Tested: GWS-SA1D-730-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630211  
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-SA1D-730-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

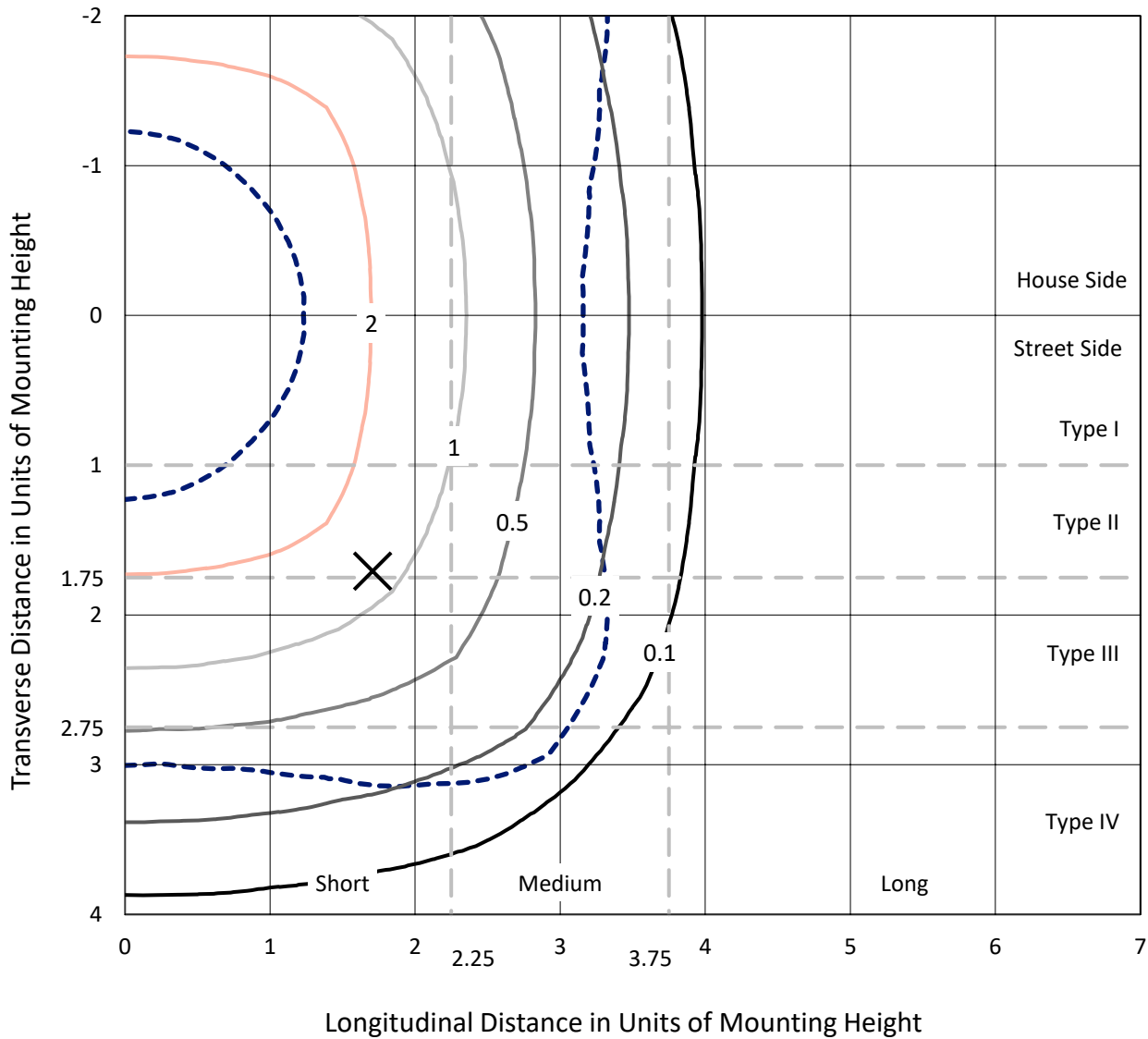
Lumens per Lamp: N/A  
Luminaire Lumens: 5598 lumens  
Efficiency: N/A  
Efficacy: 126.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

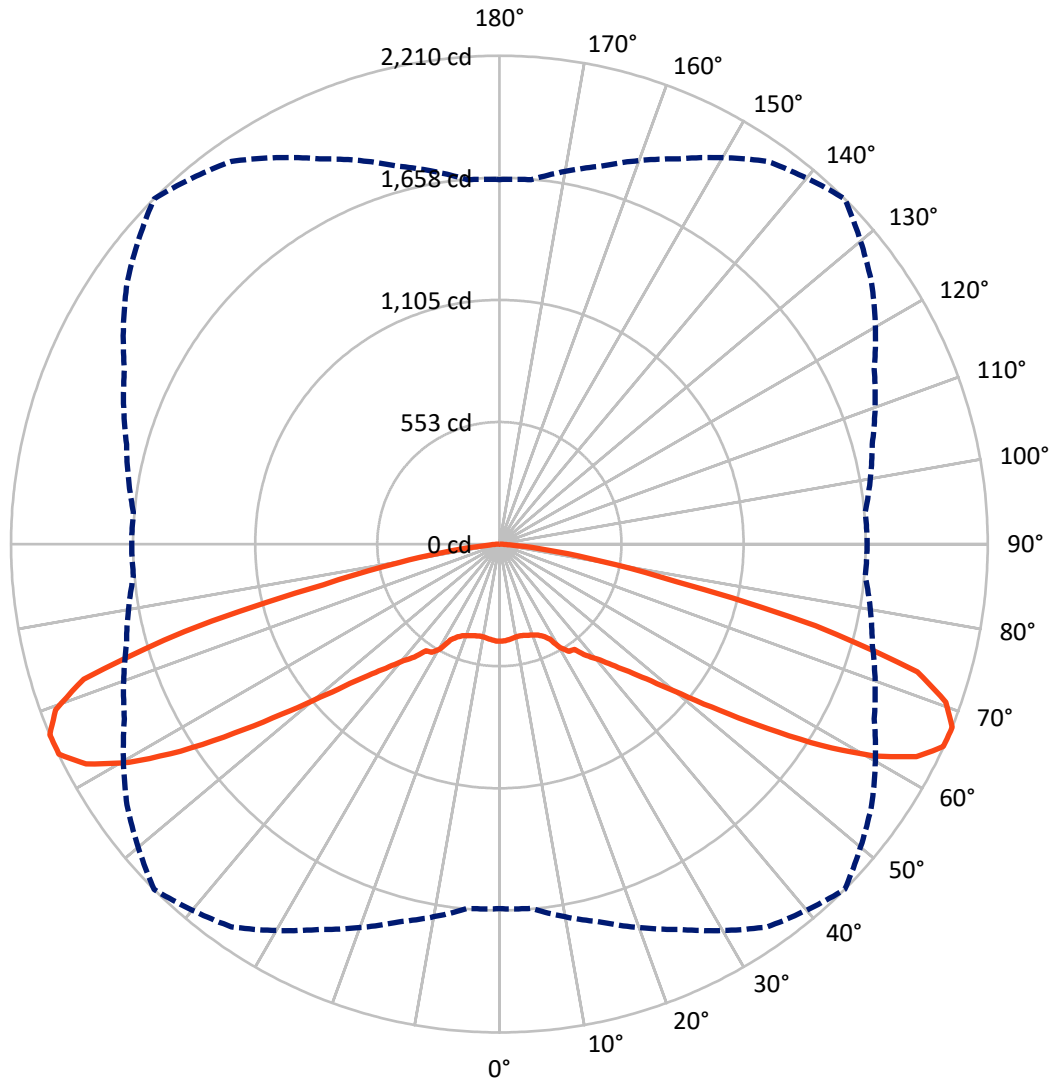
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 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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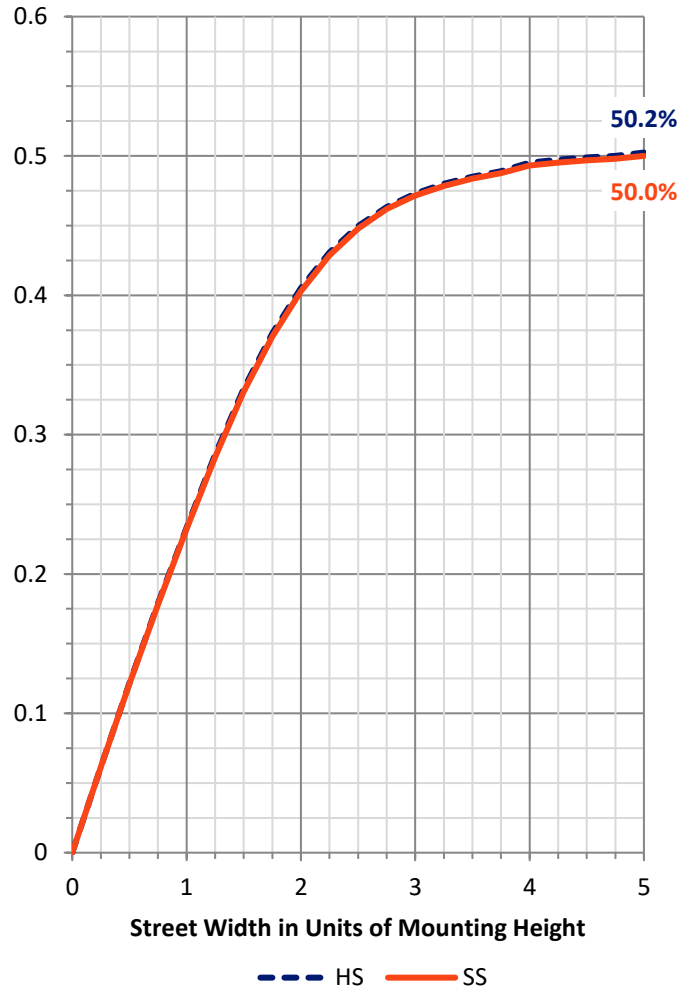
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2799.0	0.0	2799.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2799.0	0.0	2799.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5598.0	0.0	5598.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.2	0.7
10°-20°	122.3	2.2
20°-30°	219.4	3.9
30°-40°	370.7	6.6
40°-50°	651.3	11.6
50°-60°	1256.3	22.4
60°-70°	1822.7	32.6
70°-80°	1042.9	18.6
80°-90°	71.2	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°	5598.0	100.0
0°-180°	5598.0	100.0

**Coefficient of Utilization**

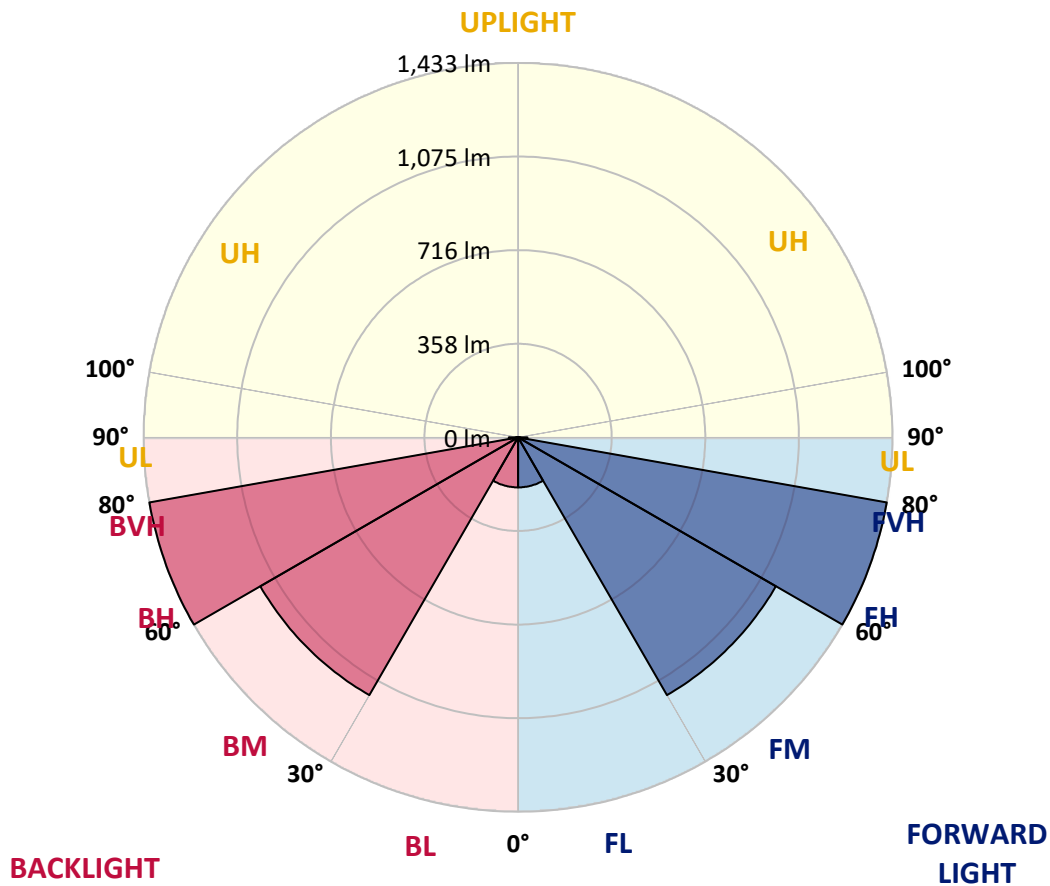


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.5	3.4			
FM (30°-60°)	1139.1	20.3			
FH (60°-80°)	1432.8	25.6			G1/1800
FVH (80°-90°)	35.6	0.6			G1/100
BL (0°-30°)	191.5	3.4	B1/500		
BM (30°-60°)	1139.1	20.3	B2/2500		
BH (60°-80°)	1432.8	25.6	B3/2500		G1/1800
BVH (80°-90°)	35.6	0.6			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°	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0
2.5°	435.4	435.8	436.6	436.6	437.4	438.6	439.0	438.2	438.6	436.6	438.6
5°	434.2	434.6	435.0	434.2	434.2	434.6	434.6	433.9	434.2	432.3	434.2
7.5°	431.5	431.9	431.9	430.7	429.5	430.3	430.3	429.5	429.9	427.9	430.3
10°	429.1	429.1	428.7	426.3	425.1	426.3	426.7	427.1	428.7	427.1	429.9
12.5°	430.7	430.7	429.5	426.3	424.4	425.1	425.9	426.7	429.5	429.1	432.3
15°	435.0	435.4	432.3	428.7	427.5	428.7	427.9	427.5	431.1	432.3	435.8
17.5°	438.6	438.6	434.6	431.1	431.5	433.5	431.9	429.9	433.5	435.8	439.8
20°	441.8	441.4	437.0	434.6	436.2	439.0	437.8	435.0	437.4	440.2	443.7
22.5°	449.7	449.3	444.5	443.4	444.9	447.7	446.5	444.1	446.9	450.9	455.2
25°	472.2	471.5	464.3	460.4	459.6	461.6	461.2	460.4	464.7	469.5	474.6
27.5°	502.3	501.9	496.8	492.8	487.7	486.1	487.3	490.9	497.2	500.8	505.1
30°	517.4	517.4	516.6	522.9	534.0	544.7	536.4	522.9	517.4	515.8	520.1
32.5°	537.2	539.1	536.4	543.5	562.1	577.9	562.1	540.3	536.4	536.4	541.1
35°	582.7	583.5	579.1	577.9	583.9	585.9	578.3	570.4	574.8	575.6	581.5
37.5°	619.1	619.1	617.1	620.3	632.6	640.1	627.8	613.6	614.8	615.5	623.1
40°	675.3	676.9	672.2	671.8	676.5	683.2	670.2	661.1	667.4	669.4	680.9
42.5°	745.4	745.4	738.3	736.3	739.4	746.6	734.3	728.4	736.7	738.3	745.0
45°	828.9	830.9	821.4	817.8	819.4	821.8	813.1	810.3	818.2	821.8	833.7
47.5°	930.6	932.6	924.3	923.9	922.3	923.9	915.6	914.0	920.4	917.6	930.2
50°	1056.1	1059.7	1052.6	1062.5	1061.3	1066.0	1054.5	1046.2	1046.2	1038.7	1045.8
52.5°	1196.7	1203.8	1207.3	1224.0	1236.6	1248.5	1229.5	1216.4	1197.4	1182.0	1201.4
55°	1349.8	1347.9	1370.4	1406.9	1444.1	1472.2	1435.0	1393.8	1362.9	1330.8	1338.4
57.5°	1484.0	1490.8	1520.5	1587.0	1660.6	1720.0	1653.1	1573.9	1503.8	1457.9	1464.2
60°	1595.7	1601.2	1640.8	1736.6	1865.2	1947.2	1841.1	1710.5	1608.7	1545.4	1552.1
62.5°	1698.6	1703.7	1743.7	1849.4	2011.7	2118.6	1981.6	1803.1	1689.9	1626.2	1630.1
65°	1758.0	1761.1	1815.8	1927.0	2098.0	2208.4	2054.1	1870.0	1758.8	1693.8	1696.2
67.5°	1649.9	1655.0	1770.2	1923.8	2114.6	2210.0	2057.2	1872.0	1746.9	1662.2	1664.2
70°	1301.6	1297.2	1434.6	1698.6	2019.2	2143.5	1965.8	1731.4	1538.3	1419.9	1417.9
72.5°	992.4	993.6	1070.0	1250.9	1646.3	1978.1	1734.6	1394.2	1186.0	1096.1	1092.5
75°	719.7	730.7	792.9	925.5	1151.5	1478.5	1305.9	1033.2	893.8	840.0	832.1
77.5°	324.2	338.5	425.1	581.1	769.9	817.0	820.2	701.4	529.3	439.8	425.9
80°	94.6	101.3	130.2	222.9	358.6	463.5	368.1	309.6	192.8	151.2	144.1
82.5°	40.0	45.5	55.8	61.8	104.1	214.9	133.8	85.1	79.2	64.1	58.6
85°	17.0	18.2	23.4	24.9	33.6	45.9	42.4	38.4	36.8	28.5	26.1
87.5°	7.1	7.1	7.1	6.3	5.9	6.3	8.7	11.1	14.6	11.5	10.7
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)