

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: P630535

Luminaire Tested: GWS-SA1D-830-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630535  
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-SA1D-830-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

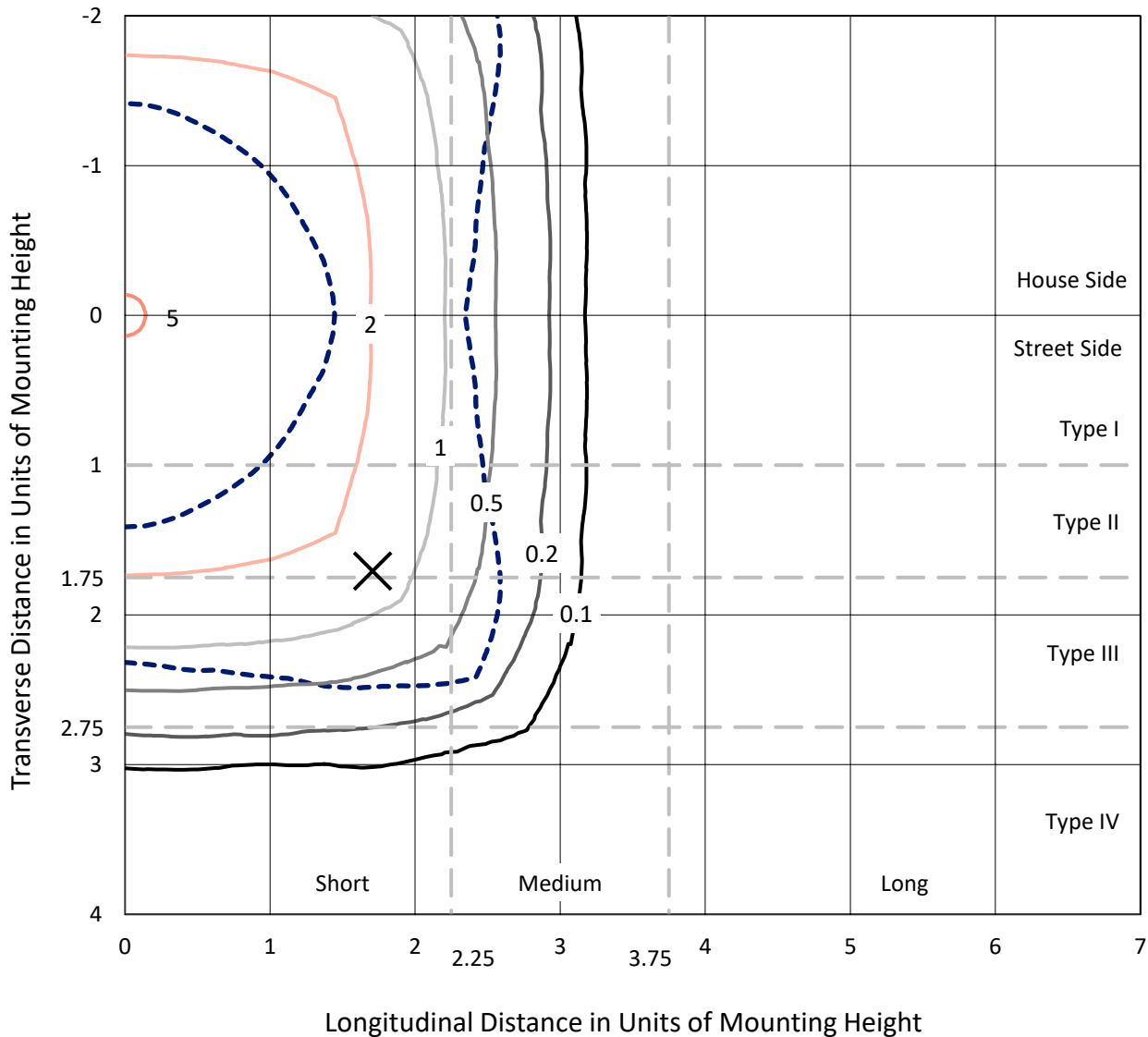
Lumens per Lamp: N/A  
Luminaire Lumens: 4988.4 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

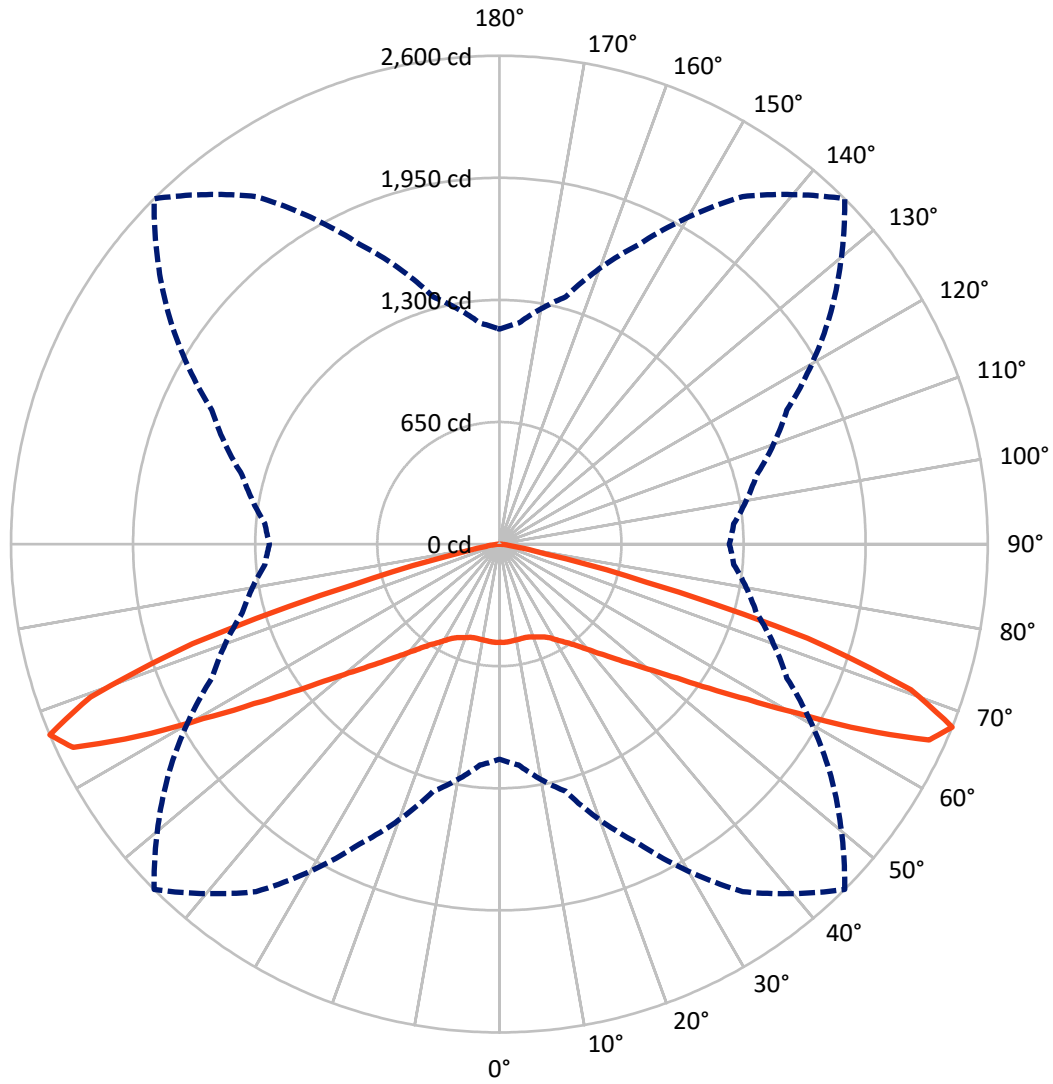
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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	2494.2	0.0	2494.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2494.2	0.0	2494.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4988.4	0.0	4988.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.4	1.0
10°-20°	145.2	2.9
20°-30°	250.5	5.0
30°-40°	407.3	8.2
40°-50°	685.8	13.7
50°-60°	1215.1	24.4
60°-70°	1736.9	34.8
70°-80°	476.7	9.6
80°-90°	21.4	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°	4988.4	100.0
0°-180°	4988.4	100.0

**Coefficient of Utilization**



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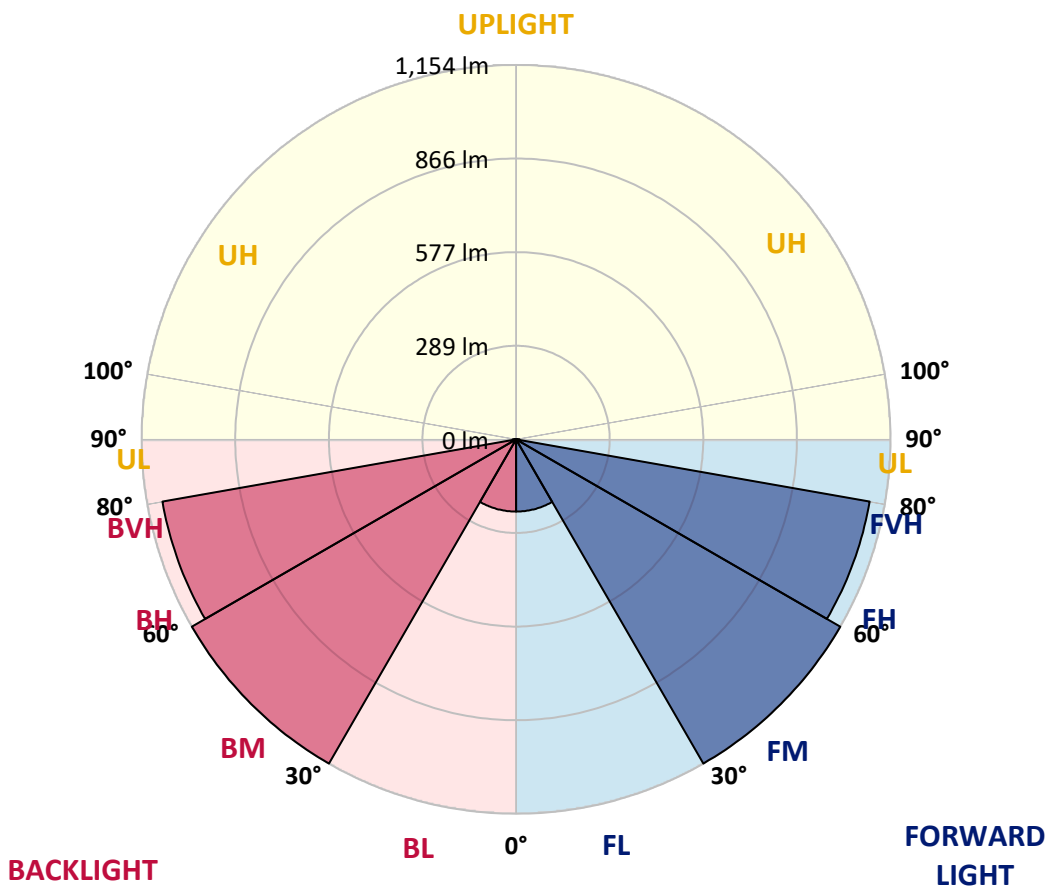
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	222.6	4.5			
FM (30°-60°)	1154.1	23.1			
FH (60°-80°)	1106.8	22.2			G1/1800
FVH (80°-90°)	10.7	0.2			G1/100
BL (0°-30°)	222.6	4.5	B1/500		
BM (30°-60°)	1154.1	23.1	B2/2500		
BH (60°-80°)	1106.8	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°	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4
2.5°	519.0	518.6	520.4	521.4	521.1	523.5	523.1	522.4	522.4	521.4	524.2
5°	519.0	518.6	520.0	520.4	519.7	521.8	521.1	520.4	520.4	519.0	521.4
7.5°	516.2	516.6	517.6	518.3	517.6	519.3	518.3	516.9	516.6	515.2	517.6
10°	511.1	511.4	512.4	514.2	514.5	517.6	515.9	513.5	512.4	511.1	513.5
12.5°	507.9	508.3	509.3	511.4	512.1	516.2	514.5	510.7	509.0	507.6	510.0
15°	507.3	507.6	509.0	511.1	512.1	516.2	514.5	510.0	507.6	505.9	507.9
17.5°	507.3	507.9	510.0	513.1	515.2	519.3	517.3	512.1	508.6	505.5	507.6
20°	507.6	508.6	511.7	516.2	521.4	527.3	524.5	517.6	512.8	509.0	510.4
22.5°	510.7	512.4	516.2	522.1	529.7	536.6	534.2	524.9	518.0	512.8	514.2
25°	521.4	522.1	526.9	534.5	541.8	547.7	545.2	536.6	528.0	521.8	523.5
27.5°	540.4	542.1	546.3	554.2	560.4	563.5	563.2	557.3	548.7	543.2	544.5
30°	563.2	564.9	570.4	579.4	585.6	589.1	588.1	583.6	575.6	568.0	569.4
32.5°	589.8	590.5	597.0	607.0	613.6	618.8	615.3	610.5	600.5	591.5	592.2
35°	623.6	624.7	631.6	640.9	646.1	650.2	649.5	644.7	634.0	624.3	626.7
37.5°	666.1	666.8	673.0	684.7	688.9	692.0	692.7	690.3	679.2	666.8	669.2
40°	718.9	719.3	726.2	736.5	741.0	743.1	743.4	743.8	732.4	723.1	722.4
42.5°	780.4	782.1	791.8	801.8	803.9	802.8	806.3	809.7	798.7	785.9	787.0
45°	853.9	855.0	868.1	879.1	875.3	871.9	878.5	885.4	875.3	858.8	853.9
47.5°	941.0	943.0	957.2	968.2	962.0	955.8	966.5	973.8	957.5	939.9	935.4
50°	1039.4	1040.8	1060.8	1074.6	1067.3	1055.9	1069.4	1077.0	1055.3	1033.5	1023.8
52.5°	1155.7	1153.0	1179.6	1203.7	1199.2	1184.4	1195.4	1196.8	1164.4	1133.6	1124.0
55°	1297.7	1294.9	1321.5	1348.1	1359.1	1355.3	1350.1	1341.9	1293.9	1261.1	1252.1
57.5°	1463.1	1454.4	1491.7	1527.6	1551.8	1558.7	1536.6	1517.3	1479.3	1438.9	1428.5
60°	1616.7	1616.4	1675.4	1737.6	1803.9	1831.5	1775.6	1723.1	1637.8	1564.2	1549.4
62.5°	1659.9	1667.1	1763.8	1917.8	2081.5	2179.2	2031.8	1858.1	1693.4	1582.5	1562.9
65°	1553.5	1571.5	1708.9	1952.0	2275.2	2514.2	2181.3	1861.2	1631.6	1493.4	1472.7
67.5°	1145.0	1180.9	1362.9	1761.4	2258.6	2600.1	2154.7	1688.9	1417.1	1252.8	1224.1
70°	564.9	599.1	743.4	1158.8	1858.4	2324.3	1864.3	1272.8	957.2	799.0	772.8
72.5°	207.9	221.7	278.3	495.9	1025.6	1716.9	1274.9	711.0	463.7	369.1	351.5
75°	101.9	104.3	112.9	166.4	378.5	808.0	599.1	272.8	170.6	148.5	143.6
77.5°	64.9	66.0	70.1	79.4	121.5	254.5	181.6	107.7	83.6	80.1	80.1
80°	36.3	37.3	42.8	49.4	57.0	87.4	65.3	64.6	54.9	48.0	47.0
82.5°	17.3	19.0	27.3	26.9	30.0	43.9	38.3	34.9	35.2	26.6	25.2
85°	7.9	7.9	10.7	12.8	13.5	14.8	17.6	20.0	19.7	13.5	14.5
87.5°	3.8	3.8	3.8	3.5	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)