

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: P634770

Luminaire Tested: GWS-SA3C-740-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634770  
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-SA3C-740-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14446 lumens  
Efficiency: N/A  
Efficacy: 155.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

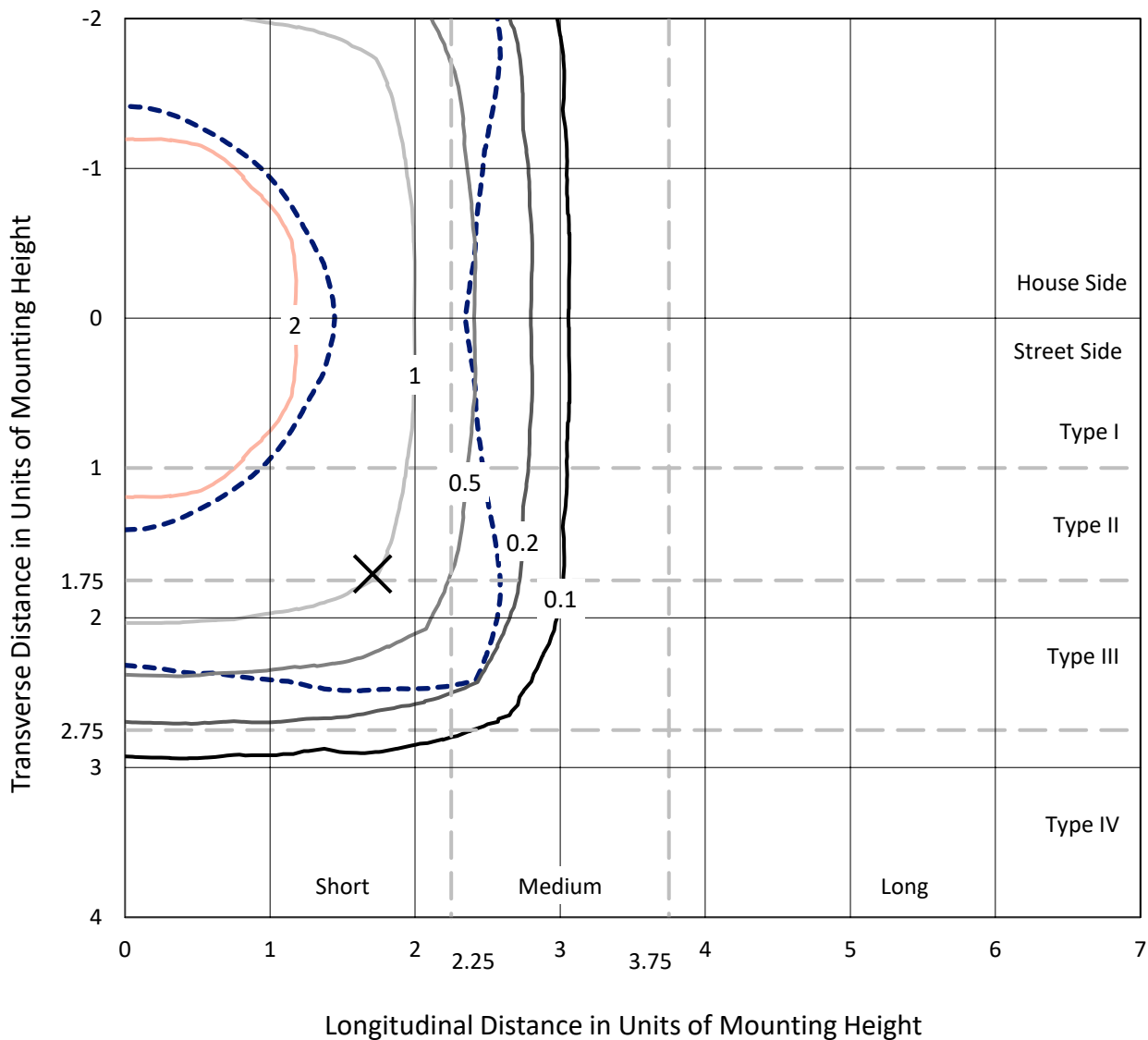
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

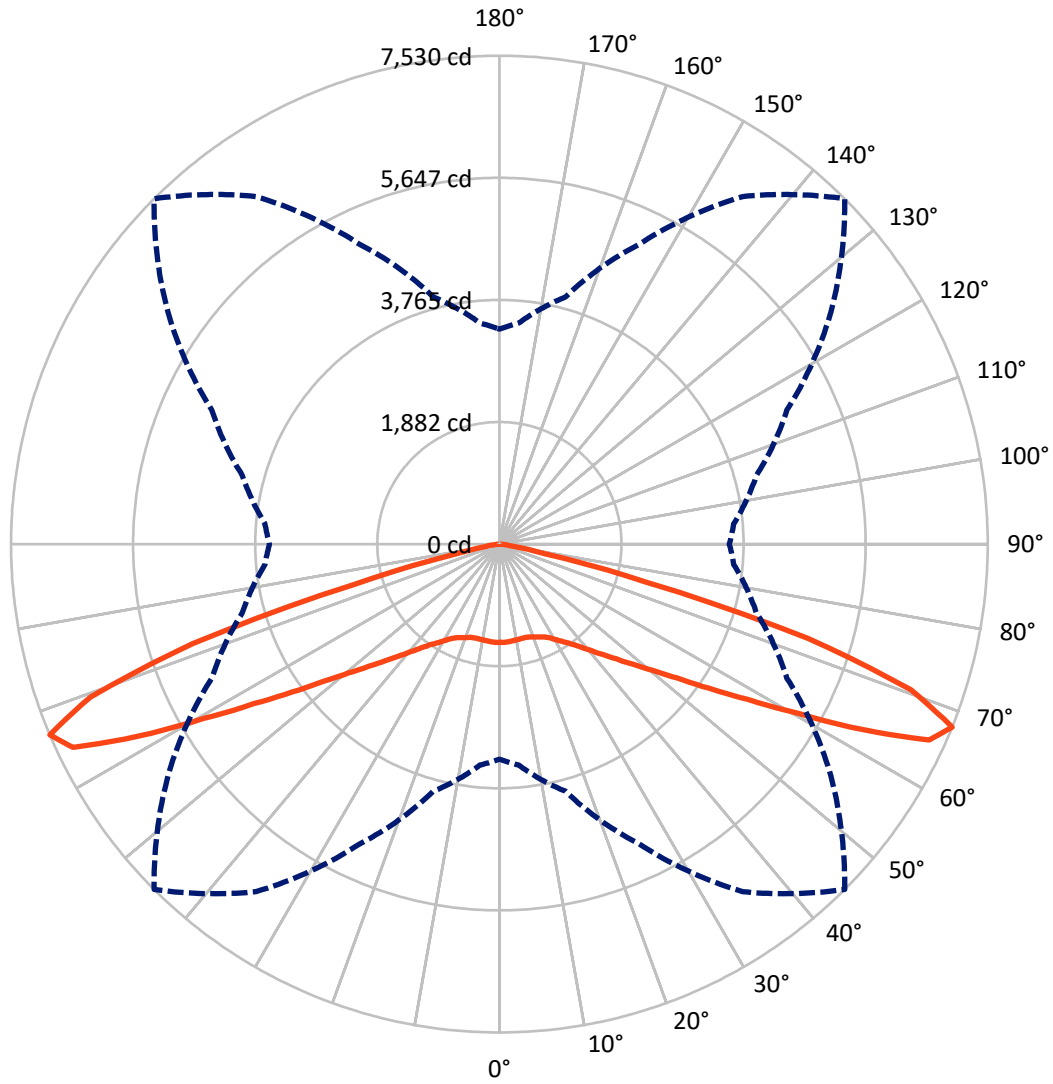
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 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	7223.0	0.0	7223.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7223.0	0.0	7223.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14446.0	0.0	14446.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.2	1.0
10°-20°	420.6	2.9
20°-30°	725.4	5.0
30°-40°	1179.5	8.2
40°-50°	1986.0	13.7
50°-60°	3518.9	24.4
60°-70°	5030.0	34.8
70°-80°	1380.5	9.6
80°-90°	61.9	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°	14446.0	100.0
0°-180°	14446.0	100.0

**Coefficient of Utilization**



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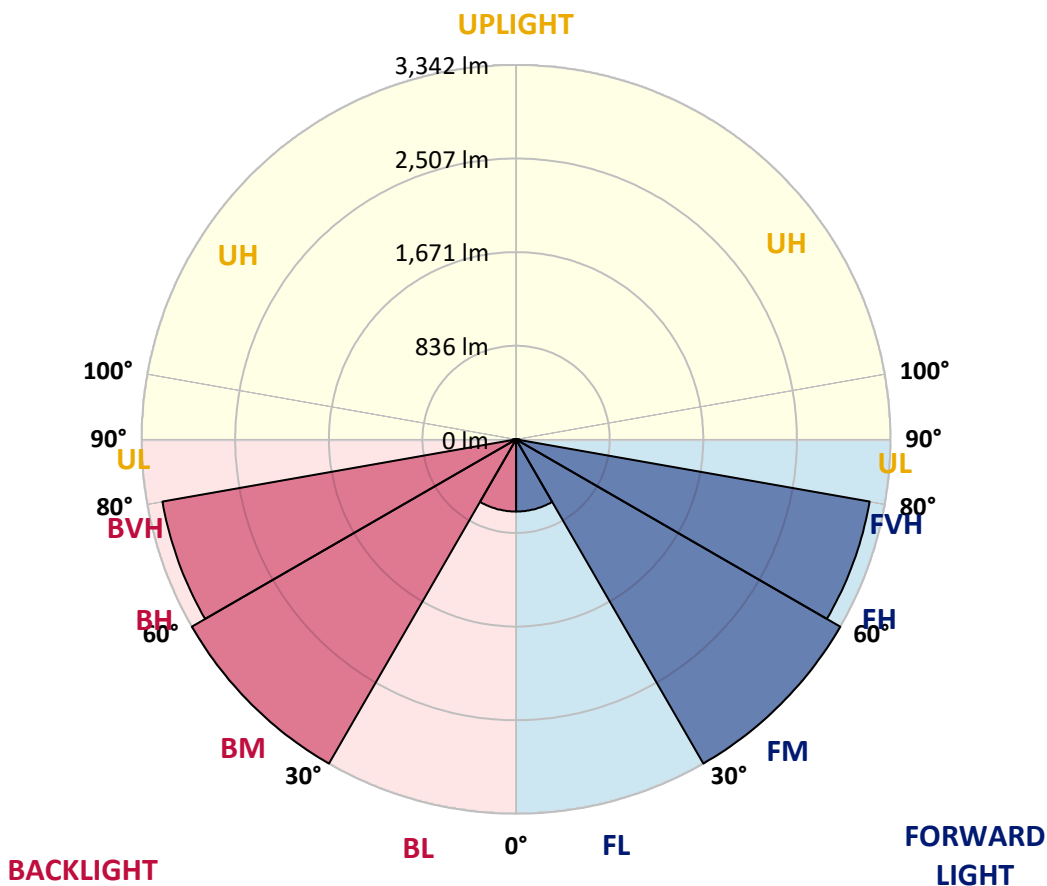
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.6	4.5			
FM (30°-60°)	3342.2	23.1			
FH (60°-80°)	3205.3	22.2			G2/5000
FVH (80°-90°)	30.9	0.2			G1/100
BL (0°-30°)	644.6	4.5	B2/1000		
BM (30°-60°)	3342.2	23.1	B3/5000		
BH (60°-80°)	3205.3	22.2	B4/5000		G2/5000
BVH (80°-90°)	30.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0
2.5°	1503.0	1502.0	1507.0	1510.0	1509.0	1516.0	1515.0	1513.0	1513.0	1510.0	1518.0
5°	1503.0	1502.0	1506.0	1507.0	1505.0	1511.0	1509.0	1507.0	1507.0	1503.0	1510.0
7.5°	1495.0	1496.0	1499.0	1501.0	1499.0	1504.0	1501.0	1497.0	1496.0	1492.0	1499.0
10°	1480.0	1481.0	1484.0	1489.0	1490.0	1499.0	1494.0	1487.0	1484.0	1480.0	1487.0
12.5°	1471.0	1472.0	1475.0	1481.0	1483.0	1495.0	1490.0	1479.0	1474.0	1470.0	1477.0
15°	1469.0	1470.0	1474.0	1480.0	1483.0	1495.0	1490.0	1477.0	1470.0	1465.0	1471.0
17.5°	1469.0	1471.0	1477.0	1486.0	1492.0	1504.0	1498.0	1483.0	1473.0	1464.0	1470.0
20°	1470.0	1473.0	1482.0	1495.0	1510.0	1527.0	1519.0	1499.0	1485.0	1474.0	1478.0
22.5°	1479.0	1484.0	1495.0	1512.0	1534.0	1554.0	1547.0	1520.0	1500.0	1485.0	1489.0
25°	1510.0	1512.0	1526.0	1548.0	1569.0	1586.0	1579.0	1554.0	1529.0	1511.0	1516.0
27.5°	1565.0	1570.0	1582.0	1605.0	1623.0	1632.0	1631.0	1614.0	1589.0	1573.0	1577.0
30°	1631.0	1636.0	1652.0	1678.0	1696.0	1706.0	1703.0	1690.0	1667.0	1645.0	1649.0
32.5°	1708.0	1710.0	1729.0	1758.0	1777.0	1792.0	1782.0	1768.0	1739.0	1713.0	1715.0
35°	1806.0	1809.0	1829.0	1856.0	1871.0	1883.0	1881.0	1867.0	1836.0	1808.0	1815.0
37.5°	1929.0	1931.0	1949.0	1983.0	1995.0	2004.0	2006.0	1999.0	1967.0	1931.0	1938.0
40°	2082.0	2083.0	2102.9	2132.9	2145.9	2151.9	2152.9	2153.9	2120.9	2094.0	2092.0
42.5°	2259.9	2264.9	2292.9	2321.9	2327.9	2324.9	2334.9	2344.9	2312.9	2275.9	2278.9
45°	2472.9	2475.9	2513.9	2545.9	2534.9	2524.9	2543.9	2563.9	2534.9	2486.9	2472.9
47.5°	2724.9	2730.9	2771.9	2803.9	2785.9	2767.9	2798.9	2819.9	2772.9	2721.9	2708.9
50°	3009.9	3013.9	3071.9	3111.9	3090.9	3057.9	3096.9	3118.9	3055.9	2992.9	2964.9
52.5°	3346.9	3338.9	3415.9	3485.9	3472.9	3429.9	3461.9	3465.9	3371.9	3282.9	3254.9
55°	3757.9	3749.9	3826.9	3903.9	3935.9	3924.9	3909.9	3885.9	3746.9	3651.9	3625.9
57.5°	4236.9	4211.9	4319.9	4423.9	4493.9	4513.9	4449.9	4393.9	4283.9	4166.9	4136.9
60°	4681.9	4680.9	4851.9	5031.9	5223.9	5303.9	5141.9	4989.9	4742.9	4529.9	4486.9
62.5°	4806.9	4827.9	5107.9	5553.9	6027.9	6310.8	5883.9	5380.9	4903.9	4582.9	4525.9
65°	4498.9	4550.9	4948.9	5652.9	6588.8	7280.8	6316.8	5389.9	4724.9	4324.9	4264.9
67.5°	3315.9	3419.9	3946.9	5100.9	6540.8	7529.8	6239.9	4890.9	4103.9	3627.9	3544.9
70°	1636.0	1735.0	2152.9	3355.9	5381.9	6730.8	5398.9	3685.9	2771.9	2313.9	2237.9
72.5°	602.0	642.0	806.0	1436.0	2969.9	4971.9	3691.9	2059.0	1343.0	1069.0	1018.0
75°	295.0	302.0	327.0	482.0	1096.0	2339.9	1735.0	790.0	494.0	430.0	416.0
77.5°	188.0	191.0	203.0	230.0	352.0	737.0	526.0	312.0	242.0	232.0	232.0
80°	105.0	108.0	124.0	143.0	165.0	253.0	189.0	187.0	159.0	139.0	136.0
82.5°	50.0	55.0	79.0	78.0	87.0	127.0	111.0	101.0	102.0	77.0	73.0
85°	23.0	23.0	31.0	37.0	39.0	43.0	51.0	58.0	57.0	39.0	42.0
87.5°	11.0	11.0	11.0	10.0	9.0	8.0	11.0	18.0	26.0	18.0	17.0
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)