

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: P630926

Luminaire Tested: GWS-SA1E-760-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630926  
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-SA1E-760-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

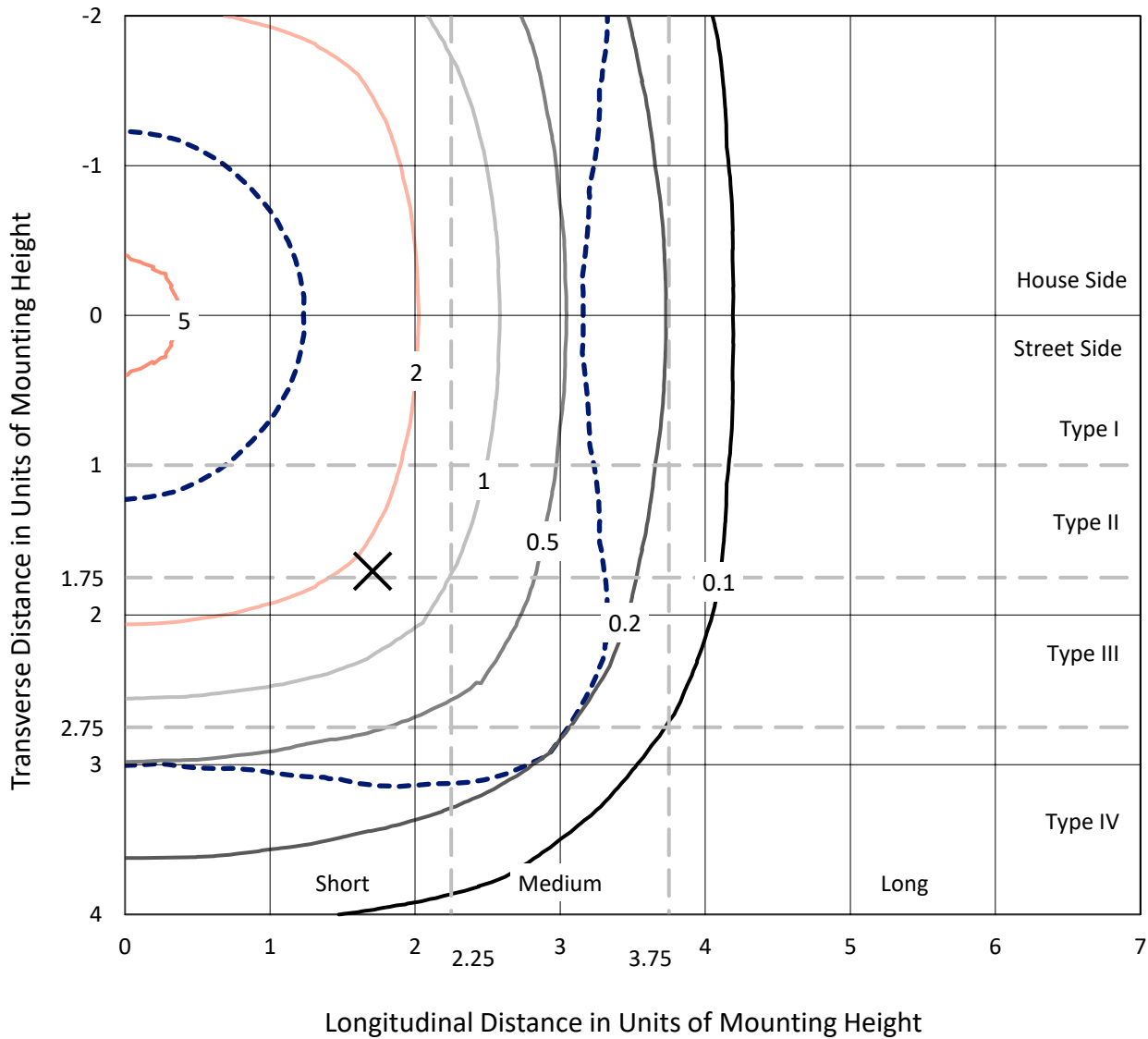
Lumens per Lamp: N/A  
Luminaire Lumens: 7750.5 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

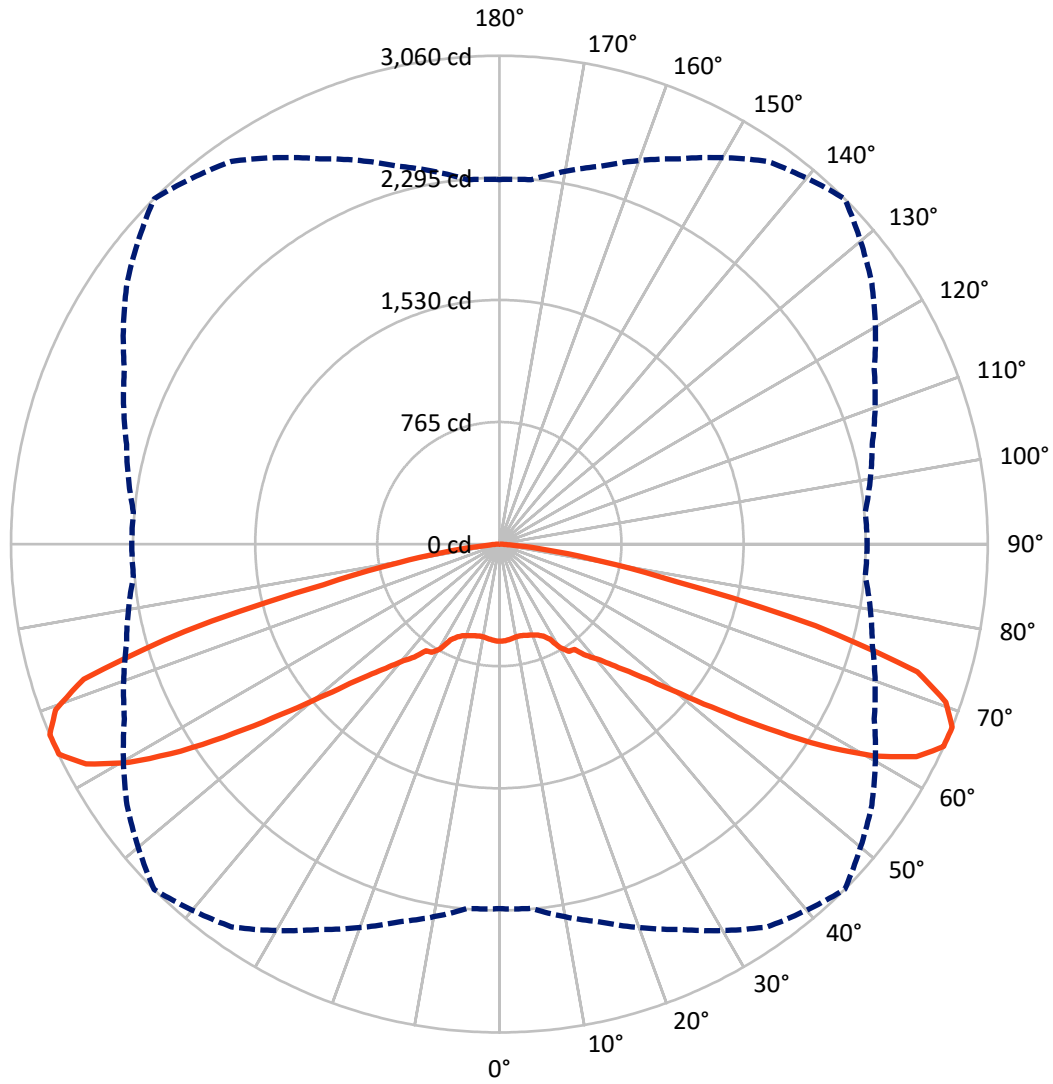
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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	3875.3	0.0	3875.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3875.3	0.0	3875.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7750.5	0.0	7750.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.1	0.7
10°-20°	169.4	2.2
20°-30°	303.8	3.9
30°-40°	513.2	6.6
40°-50°	901.7	11.6
50°-60°	1739.4	22.4
60°-70°	2523.6	32.6
70°-80°	1443.9	18.6
80°-90°	98.5	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°	7750.5	100.0
0°-180°	7750.5	100.0

**Coefficient of Utilization**



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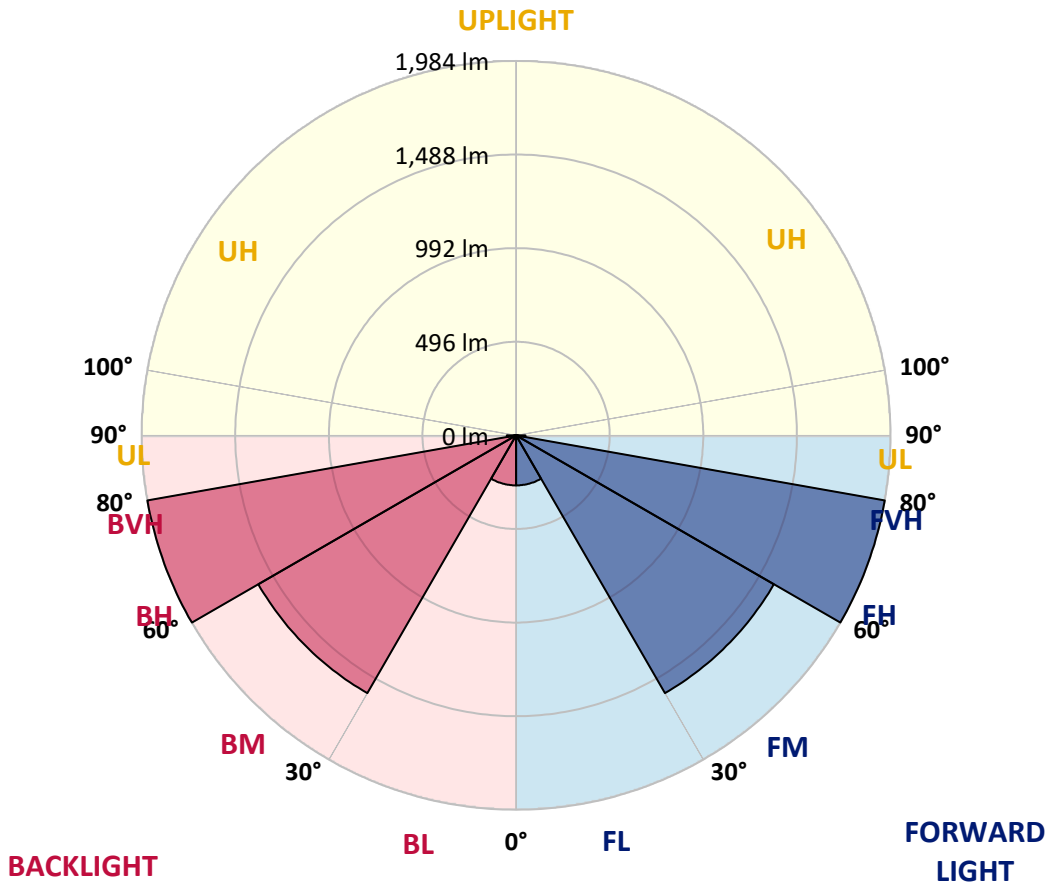
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.1	3.4			
FM (30°-60°)	1577.1	20.3			
FH (60°-80°)	1983.7	25.6			G2/5000
FVH (80°-90°)	49.3	0.6			G1/100
BL (0°-30°)	265.1	3.4	B1/500		
BM (30°-60°)	1577.1	20.3	B2/2500		
BH (60°-80°)	1983.7	25.6	B3/2500		G2/5000
BVH (80°-90°)	49.3	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	607.8	607.8	607.8	607.8	607.8	607.8	607.8	607.8	607.8	607.8	607.8
2.5°	602.9	603.4	604.5	604.5	605.6	607.2	607.8	606.7	607.2	604.5	607.2
5°	601.2	601.8	602.3	601.2	601.2	601.8	601.8	600.7	601.2	598.5	601.2
7.5°	597.4	597.9	597.9	596.3	594.6	595.7	595.7	594.6	595.2	592.5	595.7
10°	594.1	594.1	593.5	590.3	588.6	590.3	590.8	591.4	593.5	591.4	595.2
12.5°	596.3	596.3	594.6	590.3	587.5	588.6	589.7	590.8	594.6	594.1	598.5
15°	602.3	602.9	598.5	593.5	591.9	593.5	592.5	591.9	596.8	598.5	603.4
17.5°	607.2	607.2	601.8	596.8	597.4	600.1	597.9	595.2	600.1	603.4	608.9
20°	611.6	611.1	605.1	601.8	604.0	607.8	606.2	602.3	605.6	609.4	614.4
22.5°	622.6	622.0	615.5	613.8	616.0	619.9	618.2	614.9	618.8	624.2	630.3
25°	653.8	652.7	642.9	637.4	636.3	639.0	638.5	637.4	643.4	650.0	657.1
27.5°	695.5	694.9	687.8	682.3	675.2	673.0	674.7	679.6	688.4	693.3	699.3
30°	716.3	716.3	715.2	724.0	739.3	754.1	742.6	724.0	716.3	714.1	720.1
32.5°	743.7	746.5	742.6	752.5	778.2	800.2	778.2	748.1	742.6	742.6	749.2
35°	806.7	807.8	801.8	800.2	808.4	811.1	800.7	789.8	795.8	796.9	805.1
37.5°	857.2	857.2	854.4	858.8	875.8	886.2	869.2	849.5	851.1	852.2	862.6
40°	935.0	937.2	930.6	930.1	936.6	945.9	927.9	915.3	924.0	926.8	942.7
42.5°	1032.0	1032.0	1022.1	1019.4	1023.8	1033.6	1016.6	1008.4	1019.9	1022.1	1031.4
45°	1147.6	1150.4	1137.2	1132.3	1134.5	1137.8	1125.7	1121.9	1132.8	1137.8	1154.2
47.5°	1288.5	1291.2	1279.7	1279.2	1277.0	1279.2	1267.7	1265.5	1274.2	1270.4	1287.9
50°	1462.2	1467.2	1457.3	1471.0	1469.3	1475.9	1460.0	1448.5	1448.5	1438.1	1448.0
52.5°	1656.8	1666.6	1671.6	1694.6	1712.1	1728.6	1702.3	1684.2	1657.9	1636.5	1663.4
55°	1868.9	1866.1	1897.4	1947.8	1999.3	2038.2	1986.7	1929.7	1887.0	1842.6	1853.0
57.5°	2054.7	2064.0	2105.1	2197.2	2299.1	2381.3	2288.7	2179.1	2082.1	2018.5	2027.3
60°	2209.2	2216.9	2271.7	2404.3	2582.5	2695.9	2549.0	2368.2	2227.3	2139.6	2148.9
62.5°	2351.7	2358.8	2414.2	2560.5	2785.2	2933.2	2743.6	2496.4	2339.7	2251.4	2256.9
65°	2433.9	2438.3	2513.9	2668.0	2904.7	3057.6	2843.9	2589.0	2435.0	2345.1	2348.4
67.5°	2284.3	2291.4	2450.9	2663.6	2927.7	3059.8	2848.3	2591.8	2418.6	2301.3	2304.0
70°	1802.0	1796.0	1986.2	2351.7	2795.6	2967.7	2721.7	2397.2	2129.8	1965.9	1963.1
72.5°	1374.0	1375.6	1481.4	1731.9	2279.4	2738.7	2401.6	1930.3	1642.0	1517.6	1512.6
75°	996.4	1011.7	1097.8	1281.4	1594.3	2047.0	1808.0	1430.4	1237.5	1163.0	1152.0
77.5°	448.9	468.6	588.6	804.6	1066.0	1131.2	1135.6	971.2	732.8	608.9	589.7
80°	131.0	140.3	180.3	308.6	496.5	641.8	509.7	428.6	266.9	209.4	199.5
82.5°	55.4	63.0	77.3	85.5	144.1	297.6	185.2	117.8	109.6	88.8	81.1
85°	23.6	25.2	32.3	34.5	46.6	63.6	58.6	53.2	51.0	39.5	36.2
87.5°	9.9	9.9	9.9	8.8	8.2	8.8	12.1	15.3	20.3	15.9	14.8
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)