

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: P630761

Luminaire Tested: GWS-SA1E-735-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630761  
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-735-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

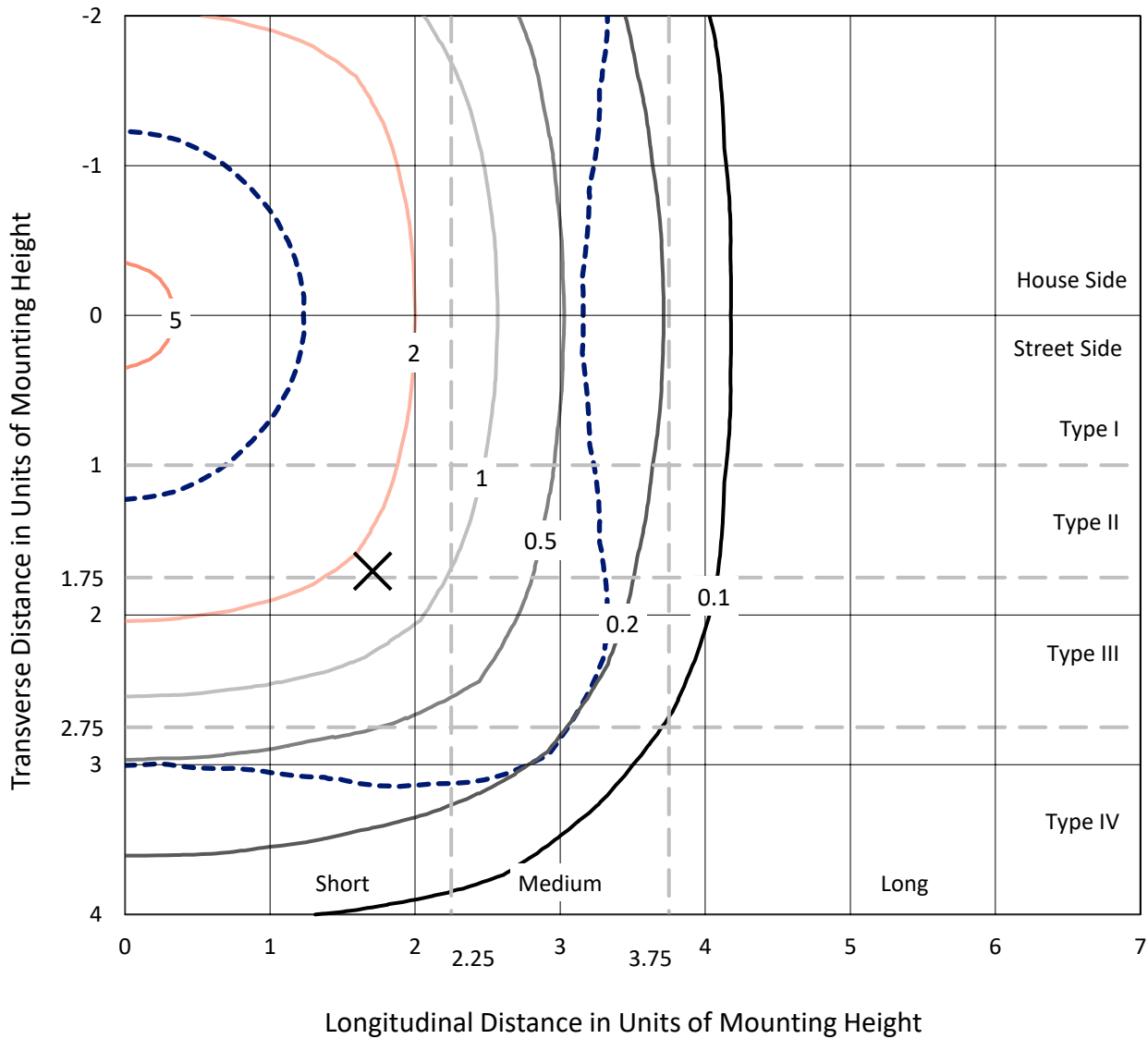
Lumens per Lamp: N/A  
Luminaire Lumens: 7576.9 lumens  
Efficiency: N/A  
Efficacy: 129.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

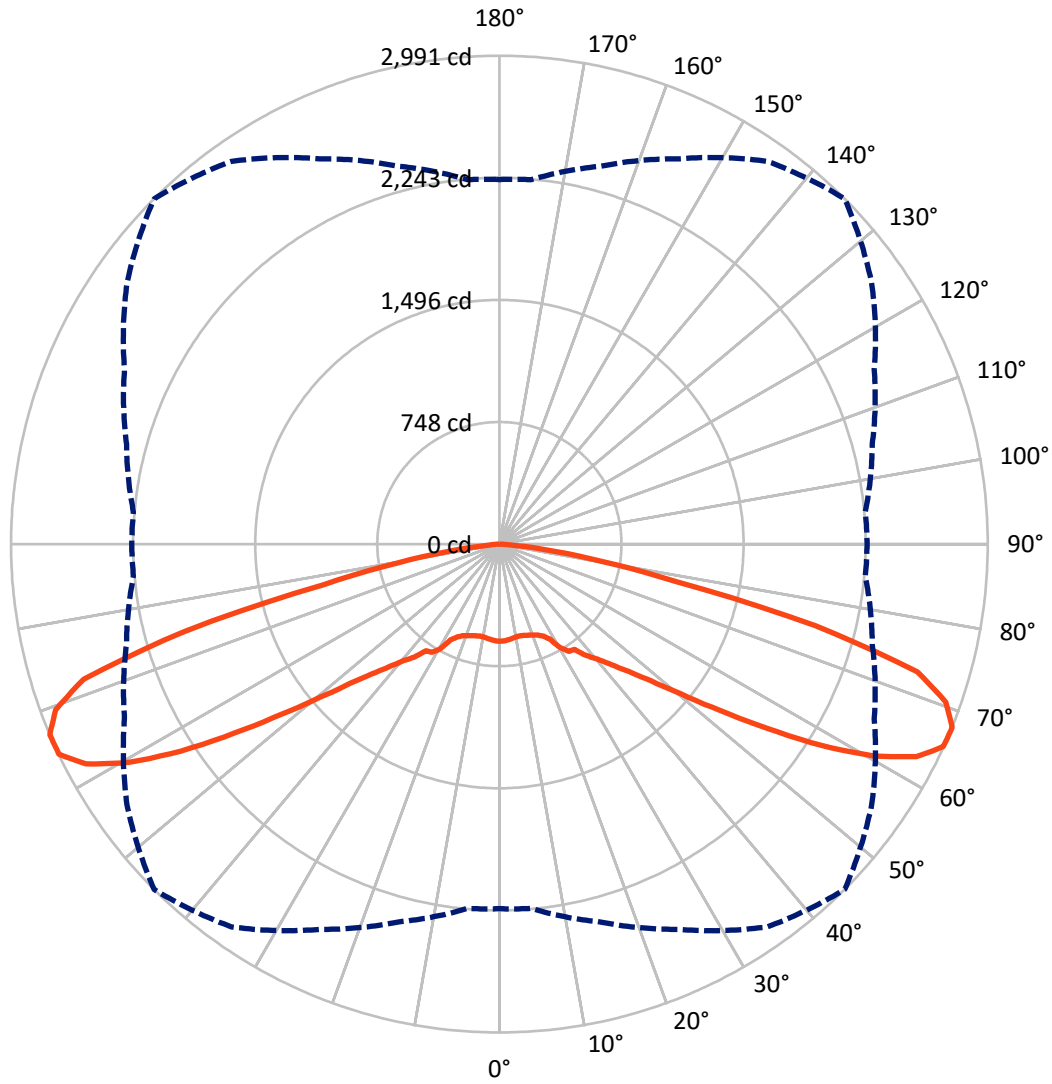
✕ Max cd  
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 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	3788.4	0.0	3788.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3788.4	0.0	3788.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7576.9	0.0	7576.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.8	0.7
10°-20°	165.6	2.2
20°-30°	297.0	3.9
30°-40°	501.7	6.6
40°-50°	881.5	11.6
50°-60°	1700.4	22.4
60°-70°	2467.1	32.6
70°-80°	1411.6	18.6
80°-90°	96.3	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°	7576.9	100.0
0°-180°	7576.9	100.0

**Coefficient of Utilization**



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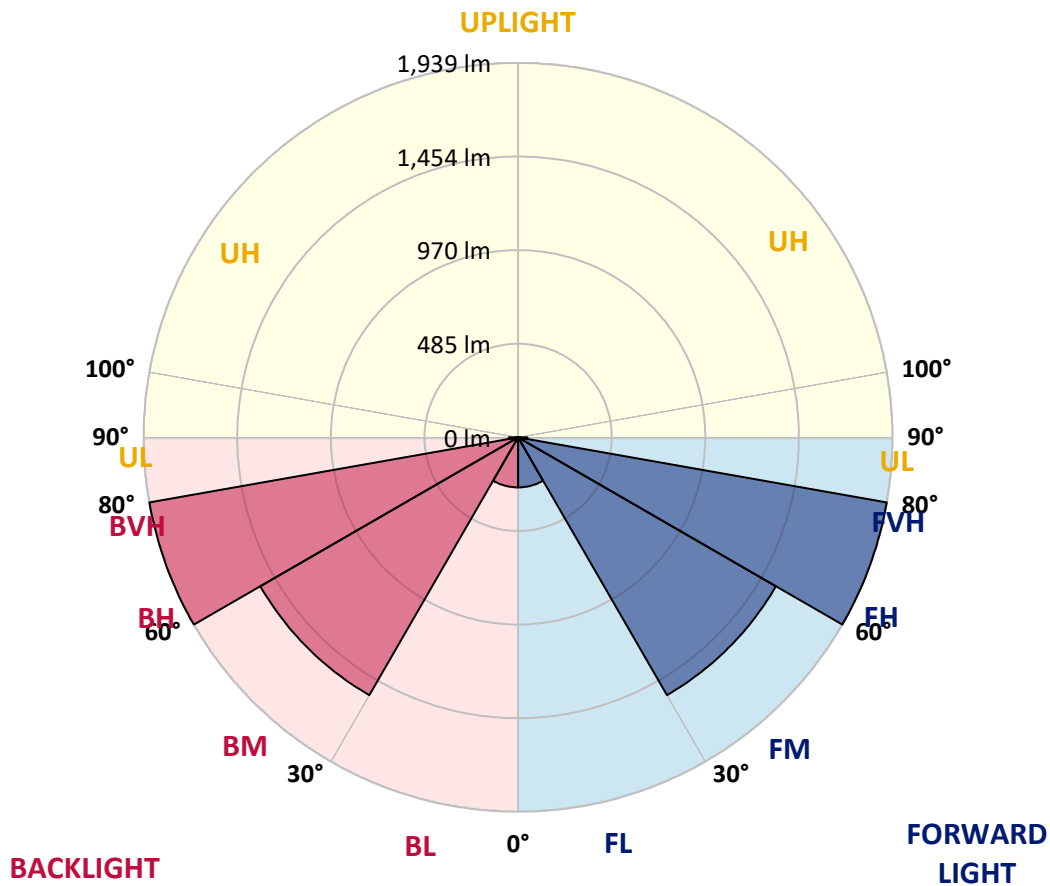
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.2	3.4			
FM (30°-60°)	1541.8	20.3			
FH (60°-80°)	1939.3	25.6			G2/5000
FVH (80°-90°)	48.2	0.6			G1/100
BL (0°-30°)	259.2	3.4	B1/500		
BM (30°-60°)	1541.8	20.3	B2/2500		
BH (60°-80°)	1939.3	25.6	B3/2500		G2/5000
BVH (80°-90°)	48.2	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°	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2
2.5°	589.4	589.9	591.0	591.0	592.0	593.6	594.2	593.1	593.6	591.0	593.6
5°	587.8	588.3	588.8	587.8	587.8	588.3	588.3	587.2	587.8	585.1	587.8
7.5°	584.0	584.5	584.5	582.9	581.3	582.4	582.4	581.3	581.9	579.2	582.4
10°	580.8	580.8	580.3	577.0	575.4	577.0	577.6	578.1	580.3	578.1	581.9
12.5°	582.9	582.9	581.3	577.0	574.4	575.4	576.5	577.6	581.3	580.8	585.1
15°	588.8	589.4	585.1	580.3	578.6	580.3	579.2	578.6	583.5	585.1	589.9
17.5°	593.6	593.6	588.3	583.5	584.0	586.7	584.5	581.9	586.7	589.9	595.3
20°	597.9	597.4	591.5	588.3	590.4	594.2	592.6	588.8	592.0	595.8	600.6
22.5°	608.6	608.1	601.7	600.1	602.2	606.0	604.4	601.1	604.9	610.3	616.2
25°	639.2	638.1	628.5	623.1	622.0	624.7	624.2	623.1	629.0	635.4	642.4
27.5°	679.9	679.4	672.4	667.1	660.1	657.9	659.5	664.4	672.9	677.8	683.7
30°	700.3	700.3	699.2	707.8	722.8	737.2	726.0	707.8	700.3	698.1	704.0
32.5°	727.1	729.7	726.0	735.6	760.8	782.2	760.8	731.3	726.0	726.0	732.4
35°	788.7	789.7	783.9	782.2	790.3	793.0	782.8	772.1	778.0	779.0	787.1
37.5°	838.0	838.0	835.3	839.6	856.2	866.4	849.8	830.5	832.1	833.1	843.3
40°	914.0	916.2	909.8	909.2	915.7	924.8	907.1	894.8	903.3	906.0	921.5
42.5°	1008.9	1008.9	999.2	996.6	1000.8	1010.5	993.9	985.8	997.1	999.2	1008.3
45°	1121.9	1124.6	1111.8	1106.9	1109.1	1112.3	1100.5	1096.7	1107.5	1112.3	1128.4
47.5°	1259.6	1262.3	1251.1	1250.5	1248.4	1250.5	1239.3	1237.1	1245.7	1241.9	1259.1
50°	1429.5	1434.3	1424.6	1438.0	1436.4	1442.9	1427.3	1416.1	1416.1	1405.9	1415.5
52.5°	1619.7	1629.3	1634.1	1656.6	1673.8	1689.9	1664.1	1646.5	1620.7	1599.8	1626.1
55°	1827.0	1824.3	1854.9	1904.2	1954.5	1992.6	1942.2	1886.5	1844.7	1801.3	1811.5
57.5°	2008.7	2017.8	2057.9	2148.0	2247.6	2328.0	2237.4	2130.3	2035.4	1973.3	1981.9
60°	2159.7	2167.2	2220.8	2350.5	2524.6	2635.5	2491.9	2315.1	2177.4	2091.7	2100.8
62.5°	2299.0	2306.0	2360.1	2503.2	2722.9	2867.5	2682.1	2440.5	2287.3	2201.0	2206.4
65°	2379.4	2383.7	2457.6	2608.2	2839.7	2989.1	2780.2	2531.0	2380.5	2292.6	2295.8
67.5°	2233.1	2240.1	2396.0	2603.9	2862.2	2991.3	2784.5	2533.7	2364.4	2249.8	2252.4
70°	1761.7	1755.8	1941.7	2299.0	2733.0	2901.3	2660.7	2343.5	2082.1	1921.9	1919.2
72.5°	1343.2	1344.8	1448.2	1693.1	2228.3	2677.3	2347.8	1887.0	1605.2	1483.6	1478.8
75°	974.1	989.1	1073.2	1252.7	1558.6	2001.2	1767.5	1398.4	1209.8	1136.9	1126.2
77.5°	438.8	458.1	575.4	786.5	1042.1	1105.9	1110.1	949.4	716.3	595.3	576.5
80°	128.1	137.2	176.3	301.6	485.4	627.4	498.3	419.0	260.9	204.7	195.0
82.5°	54.1	61.6	75.5	83.6	140.9	290.9	181.1	115.2	107.2	86.8	79.3
85°	23.0	24.6	31.6	33.8	45.5	62.2	57.3	52.0	49.8	38.6	35.4
87.5°	9.6	9.6	9.6	8.6	8.0	8.6	11.8	15.0	19.8	15.5	14.5
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)