

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: P630918

Luminaire Tested: GWS-SA1E-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630918  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-760-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

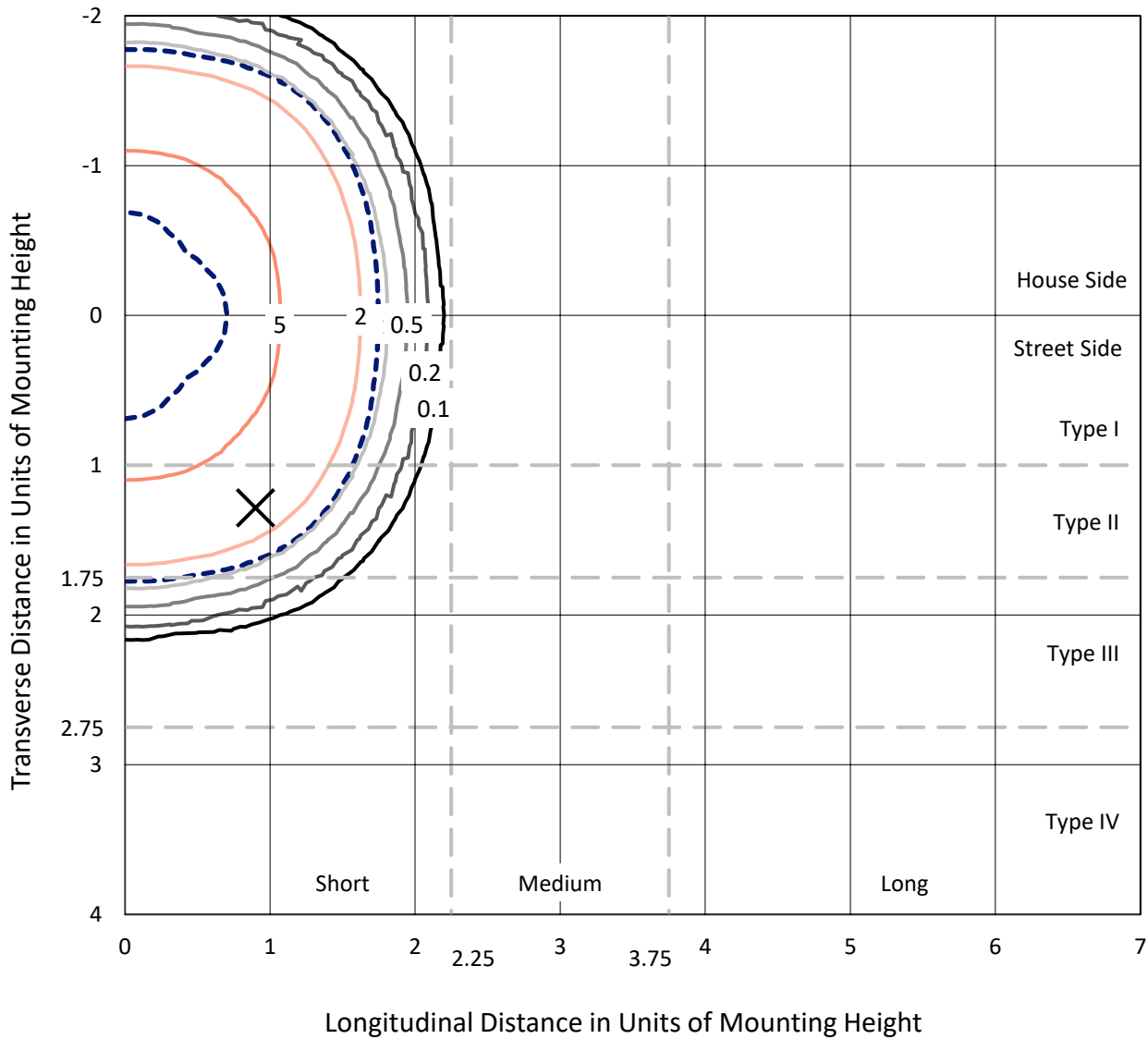
Lumens per Lamp: N/A  
Luminaire Lumens: 4671 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

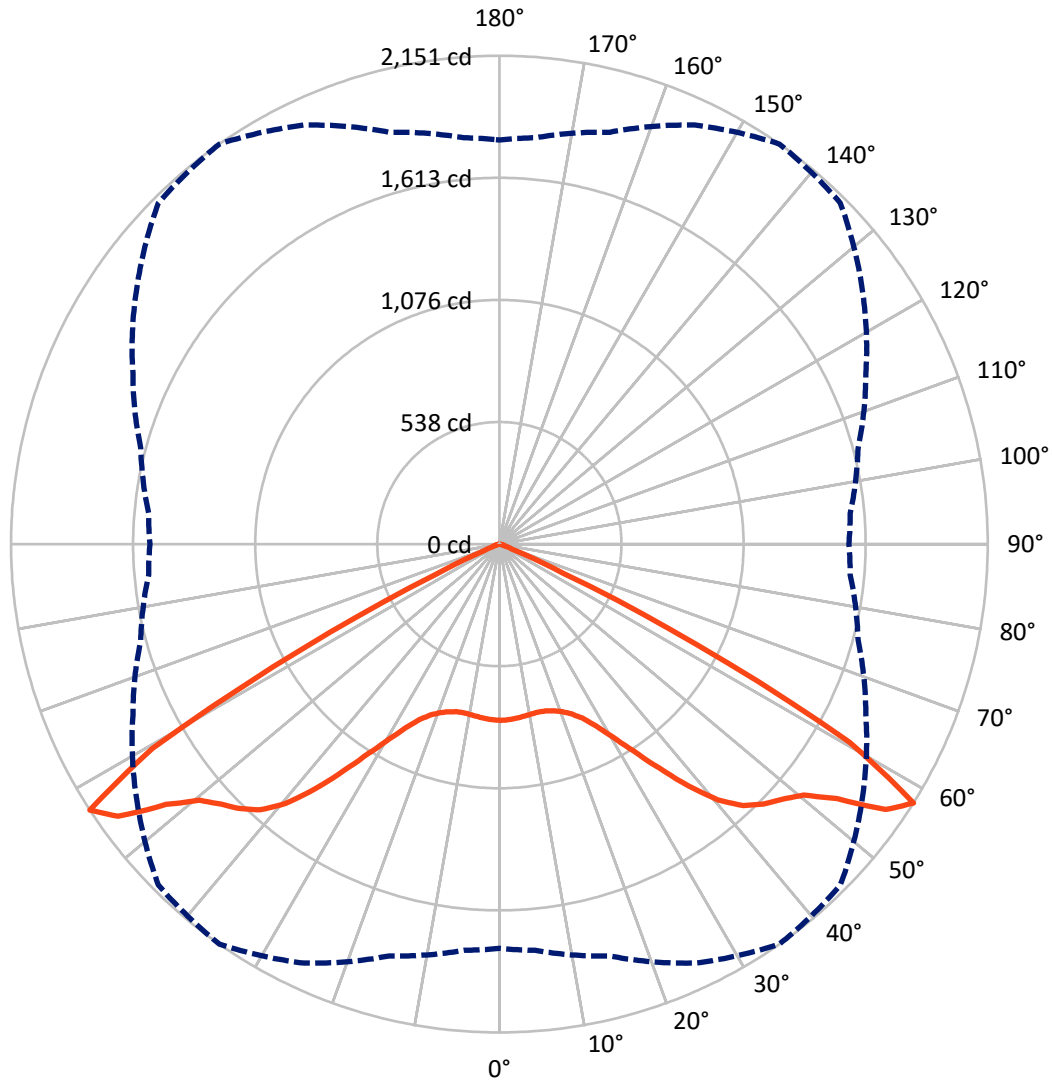
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2335.5	0.0	2335.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2335.5	0.0	2335.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4671.0	0.0	4671.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.2	1.6
10°-20°	215.2	4.6
20°-30°	389.0	8.3
30°-40°	725.8	15.5
40°-50°	1217.5	26.1
50°-60°	1607.8	34.4
60°-70°	427.0	9.1
70°-80°	15.2	0.3
80°-90°	0.3	0.0
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°	4671.0	100.0
0°-180°	4671.0	100.0

**Coefficient of Utilization**



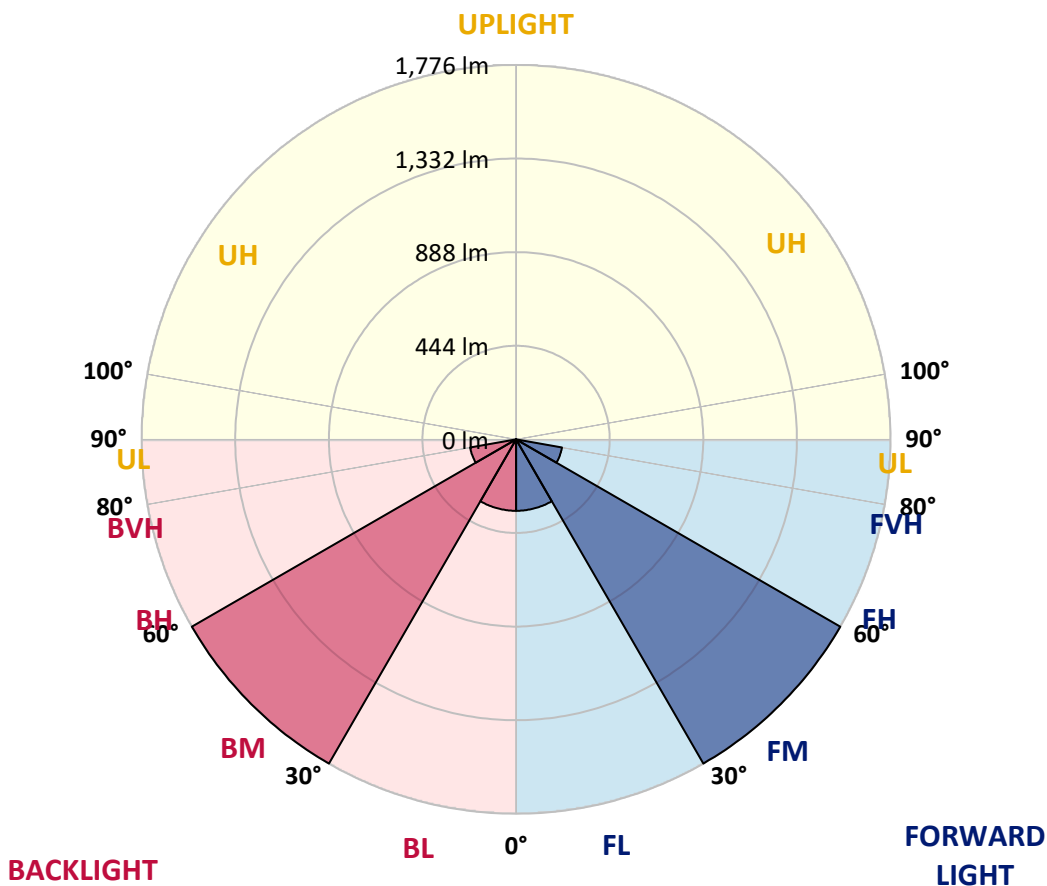
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.7	7.3			
FM (30°-60°)	1775.6	38.0			
FH (60°-80°)	221.1	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	338.7	7.3	B1/500		
BM (30°-60°)	1775.6	38.0	B2/2500		
BH (60°-80°)	221.1	4.7	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	776.6	776.6	776.6	776.6	776.6	776.6	776.6	776.6	776.6	776.6	776.6
2.5°	771.1	770.6	772.8	774.4	774.4	778.2	777.1	776.0	775.0	773.3	777.1
5°	770.0	769.5	771.1	772.2	771.1	774.4	772.2	770.0	768.9	766.7	771.1
7.5°	765.1	765.6	766.7	767.8	766.2	768.9	766.2	762.9	760.2	758.0	761.8
10°	757.4	758.0	759.1	761.3	761.8	765.6	761.8	755.8	751.9	748.6	752.5
12.5°	753.6	754.1	755.8	758.5	759.1	764.0	759.1	750.3	744.8	741.0	744.8
15°	754.7	755.8	758.0	761.3	762.3	767.3	760.7	749.2	741.5	736.6	739.9
17.5°	758.5	759.6	762.9	768.4	772.2	777.1	768.9	754.1	743.7	736.6	739.9
20°	763.4	765.1	770.6	779.3	787.6	796.3	785.9	765.6	751.9	743.2	745.9
22.5°	777.1	778.8	786.5	798.0	811.7	822.6	810.0	784.3	765.6	754.1	756.9
25°	805.1	806.7	816.6	831.4	848.9	863.2	847.3	815.0	790.8	777.7	778.8
27.5°	848.9	850.6	862.1	882.9	906.5	926.8	903.7	865.9	838.5	823.2	823.2
30°	904.3	906.5	921.8	949.8	986.5	1013.4	982.1	936.1	901.0	880.2	880.7
32.5°	975.5	973.3	995.3	1033.6	1085.7	1121.3	1075.3	1019.4	976.1	947.0	949.8
35°	1067.1	1066.5	1091.2	1143.2	1211.2	1254.0	1199.1	1126.8	1074.7	1045.1	1045.7
37.5°	1184.9	1184.3	1212.8	1269.3	1351.0	1386.6	1325.2	1251.8	1195.9	1167.4	1170.6
40°	1323.0	1319.7	1344.9	1399.2	1480.8	1503.9	1437.0	1377.8	1324.1	1306.0	1314.8
42.5°	1454.5	1447.4	1462.2	1511.5	1574.6	1577.9	1527.4	1486.9	1450.2	1435.9	1441.4
45°	1560.3	1554.8	1568.5	1597.0	1633.2	1616.8	1592.7	1580.0	1550.5	1535.1	1540.0
47.5°	1639.2	1639.2	1655.7	1673.2	1678.7	1648.6	1652.4	1652.4	1622.8	1598.7	1592.7
50°	1707.2	1712.1	1736.8	1754.9	1736.8	1698.4	1720.3	1716.0	1655.7	1607.4	1594.8
52.5°	1815.7	1820.6	1858.5	1883.1	1862.8	1825.0	1827.8	1773.0	1684.2	1627.2	1607.4
55°	1930.8	1942.9	1997.7	2063.4	2064.0	2025.1	1952.7	1855.7	1747.8	1685.8	1665.5
57.5°	1780.1	1796.5	1878.2	2036.6	2151.1	2124.3	1951.6	1781.2	1635.4	1551.0	1539.5
60°	1224.9	1253.4	1335.1	1551.5	1772.4	1782.8	1579.0	1387.7	1220.5	1116.4	1118.6
62.5°	517.4	546.4	592.4	770.6	973.3	986.0	887.3	750.3	613.8	538.7	550.2
65°	121.7	129.9	143.6	213.2	309.1	323.4	298.1	232.4	171.5	145.2	148.0
67.5°	53.2	54.3	51.5	54.8	68.0	69.6	67.4	59.2	55.9	57.0	57.0
70°	37.3	37.8	35.6	34.0	32.3	30.1	31.2	34.5	37.3	39.5	38.9
72.5°	23.0	23.6	24.1	24.1	22.5	20.3	21.4	23.6	24.1	24.7	24.1
75°	11.5	12.1	13.2	13.7	13.2	12.6	12.6	13.2	13.2	12.6	12.6
77.5°	2.2	2.7	3.8	4.4	4.4	4.4	4.4	4.4	4.9	4.4	4.4
80°	0.5	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
82.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
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)