

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: P630919

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630919  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
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-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

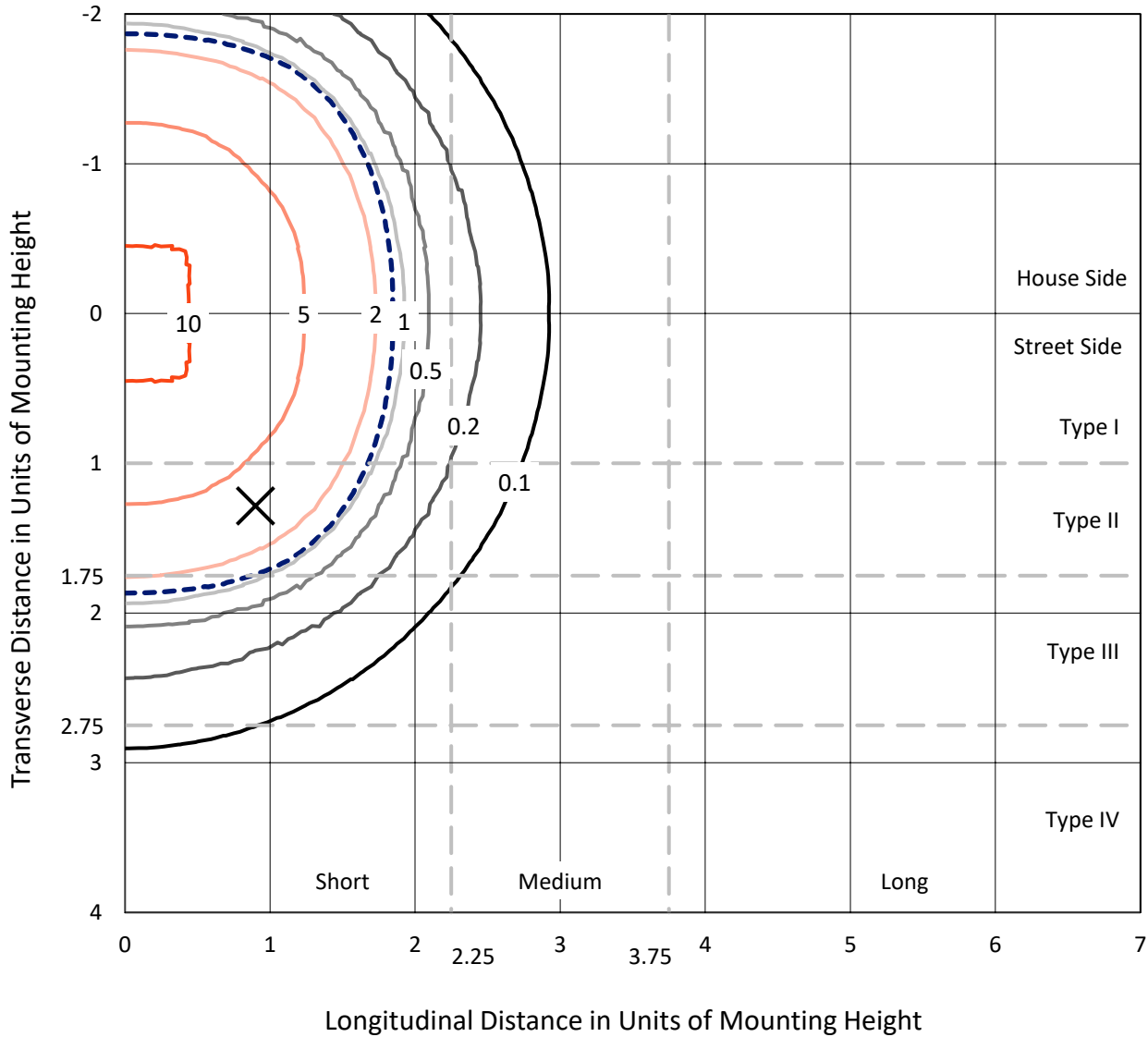
Lumens per Lamp: N/A  
Luminaire Lumens: 6693.9 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

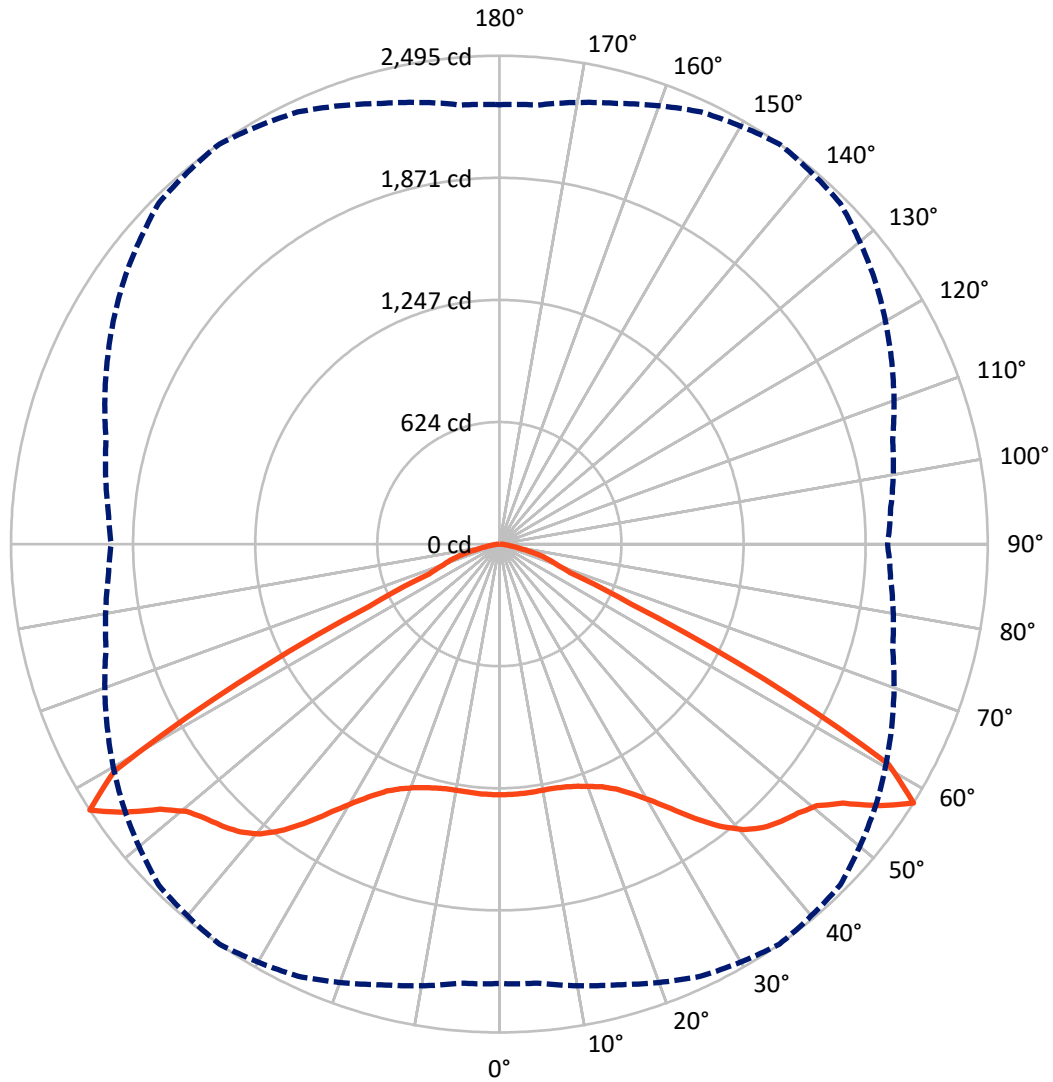
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 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	3346.9	0.0	3346.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3346.9	0.0	3346.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6693.9	0.0	6693.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.8	1.8
10°-20°	363.5	5.4
20°-30°	634.3	9.5
30°-40°	1040.1	15.5
40°-50°	1531.8	22.9
50°-60°	1954.9	29.2
60°-70°	823.9	12.3
70°-80°	196.8	2.9
80°-90°	26.8	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°	6693.9	100.0
0°-180°	6693.9	100.0

**Coefficient of Utilization**



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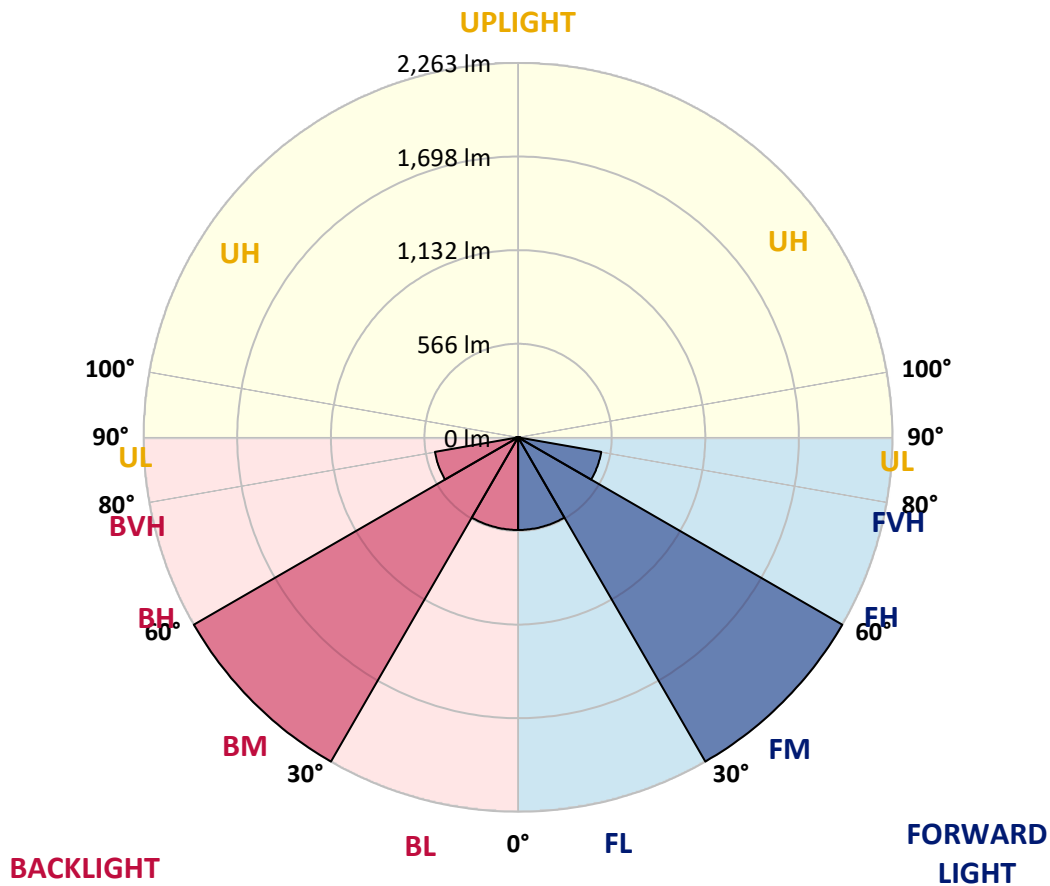
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.8	8.4			
FM (30°-60°)	2263.4	33.8			
FH (60°-80°)	510.3	7.6			G0/660
FVH (80°-90°)	13.4	0.2			G1/100
BL (0°-30°)	559.8	8.4	B2/1000		
BM (30°-60°)	2263.4	33.8	B2/2500		
BH (60°-80°)	510.3	7.6	B2/1000		G0/660
BVH (80°-90°)	13.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8
2.5°	1273.1	1273.1	1275.9	1278.6	1279.7	1284.6	1284.1	1282.4	1281.3	1278.1	1282.4
5°	1275.9	1275.9	1278.1	1279.7	1279.2	1283.0	1281.3	1278.6	1277.0	1273.7	1278.6
7.5°	1275.3	1275.3	1277.0	1278.6	1277.5	1280.8	1278.1	1274.2	1271.5	1268.2	1272.6
10°	1268.2	1269.3	1270.9	1274.8	1276.4	1281.3	1277.5	1271.5	1267.1	1263.3	1267.6
12.5°	1267.1	1268.2	1270.4	1275.3	1278.1	1285.2	1280.3	1270.4	1263.8	1258.9	1263.3
15°	1272.0	1273.1	1276.4	1282.4	1286.8	1294.5	1287.4	1273.7	1264.4	1257.8	1261.6
17.5°	1278.1	1279.7	1284.6	1293.4	1300.5	1308.8	1300.0	1283.5	1270.4	1261.6	1264.9
20°	1284.6	1286.8	1294.5	1307.7	1320.8	1331.2	1320.3	1298.3	1282.4	1270.9	1274.2
22.5°	1296.1	1298.9	1308.8	1327.4	1347.1	1362.5	1348.8	1319.2	1298.3	1283.5	1286.3
25°	1319.7	1323.0	1335.6	1358.1	1386.0	1404.7	1385.5	1352.0	1323.0	1304.9	1307.7
27.5°	1361.4	1363.0	1379.5	1409.0	1443.6	1464.9	1441.9	1402.5	1370.1	1349.3	1351.5
30°	1416.2	1421.1	1437.5	1476.5	1517.6	1546.1	1515.9	1469.3	1432.1	1406.9	1409.0
32.5°	1483.0	1486.3	1511.0	1551.5	1610.7	1643.6	1602.5	1547.2	1502.2	1471.5	1473.7
35°	1570.7	1573.5	1597.0	1648.5	1720.3	1751.0	1703.9	1640.3	1588.3	1559.2	1567.4
37.5°	1675.4	1680.3	1697.3	1748.3	1828.3	1858.4	1804.2	1745.0	1690.7	1663.9	1669.9
40°	1787.8	1787.2	1800.9	1845.8	1918.7	1937.4	1888.6	1841.5	1794.9	1777.3	1787.2
42.5°	1884.2	1881.5	1891.3	1928.6	1979.0	1980.7	1948.3	1922.0	1889.1	1877.1	1886.4
45°	1951.6	1952.7	1967.5	1993.3	2019.0	2005.3	1995.5	1991.1	1965.3	1948.9	1950.5
47.5°	2004.8	2009.2	2032.7	2050.3	2053.6	2030.5	2044.2	2050.8	2029.4	2004.2	1997.1
50°	2051.9	2059.0	2089.7	2108.4	2101.2	2072.2	2099.0	2108.9	2061.8	2013.5	1999.3
52.5°	2137.4	2145.6	2182.9	2207.0	2198.8	2169.7	2195.0	2159.9	2080.4	2021.2	2003.1
55°	2273.9	2277.7	2323.2	2362.7	2358.8	2323.2	2302.9	2225.1	2128.6	2067.3	2050.3
57.5°	2244.8	2251.4	2330.3	2435.6	2494.7	2462.4	2343.5	2210.8	2079.9	2005.9	1982.9
60°	1766.4	1782.3	1880.4	2065.6	2282.6	2282.1	2061.2	1855.2	1697.3	1599.2	1589.4
62.5°	1031.4	1042.4	1131.7	1319.2	1513.7	1525.8	1370.7	1229.3	1091.2	1024.9	993.1
65°	488.3	487.8	523.4	607.8	739.3	749.7	703.2	625.9	544.2	521.7	515.7
67.5°	360.6	360.6	357.9	363.9	389.1	394.6	389.1	376.5	368.8	373.8	370.5
70°	312.9	313.5	310.2	308.6	308.6	306.9	309.1	314.0	317.3	323.9	320.6
72.5°	253.7	254.3	254.3	254.8	255.4	253.2	256.5	259.2	259.8	262.0	259.8
75°	180.3	181.4	184.7	187.4	189.6	189.6	190.7	191.3	189.1	191.8	187.4
77.5°	99.2	100.3	106.3	111.3	116.2	116.7	118.4	119.5	118.4	120.6	117.3
80°	54.8	55.9	58.6	60.8	64.7	68.0	70.2	71.2	71.2	72.9	71.2
82.5°	31.2	32.3	34.0	35.1	38.4	41.1	43.3	44.9	44.9	45.5	44.4
85°	14.8	14.8	15.9	17.0	18.6	19.7	22.5	24.1	24.1	25.2	24.1
87.5°	2.2	2.7	3.3	3.3	4.4	5.5	6.6	7.1	8.2	8.8	8.8
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)