

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: P632294

Luminaire Tested: GWS-SA2C-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632294  
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-SA2C-740-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

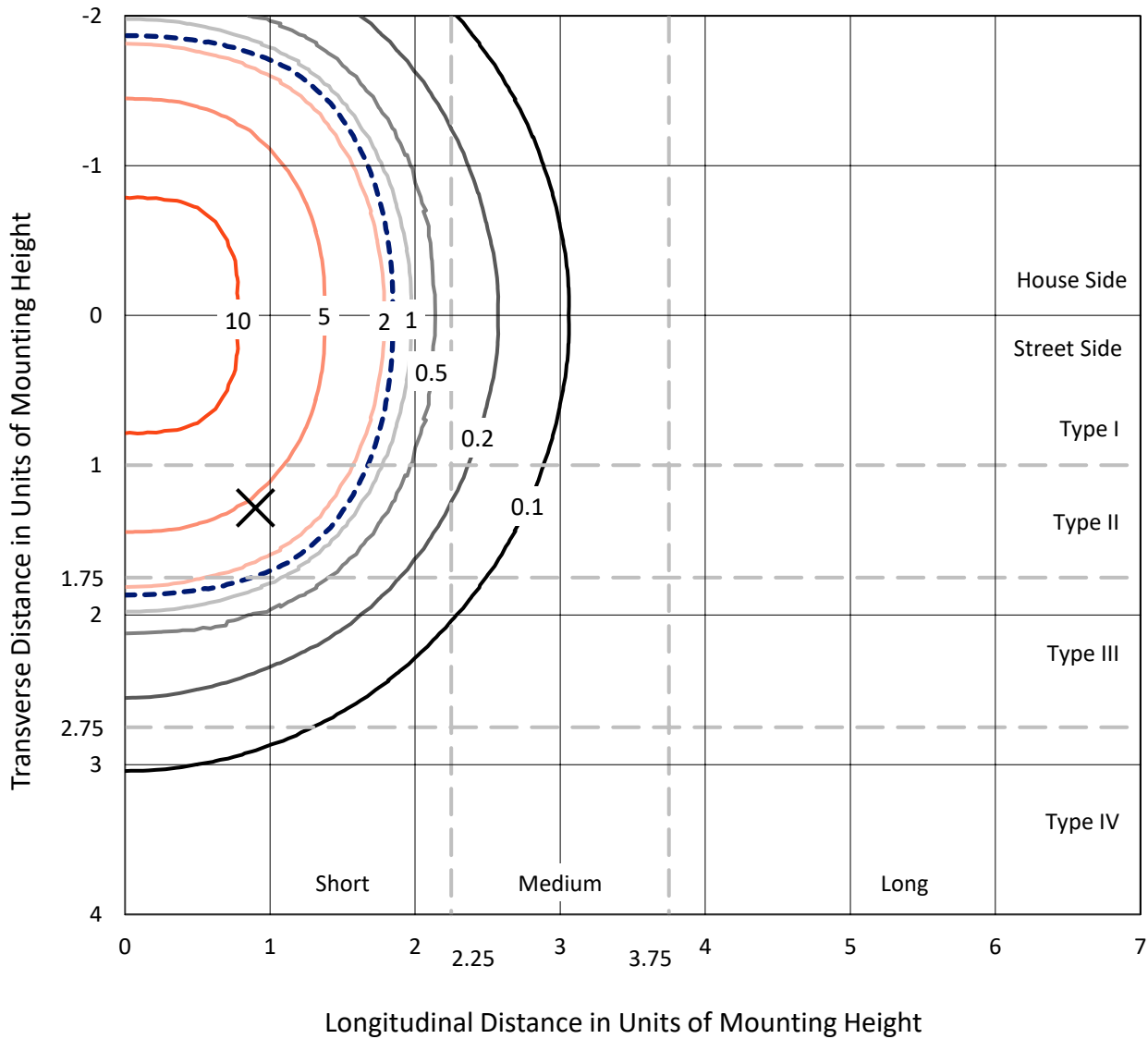
Lumens per Lamp: N/A  
Luminaire Lumens: 8103.8 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

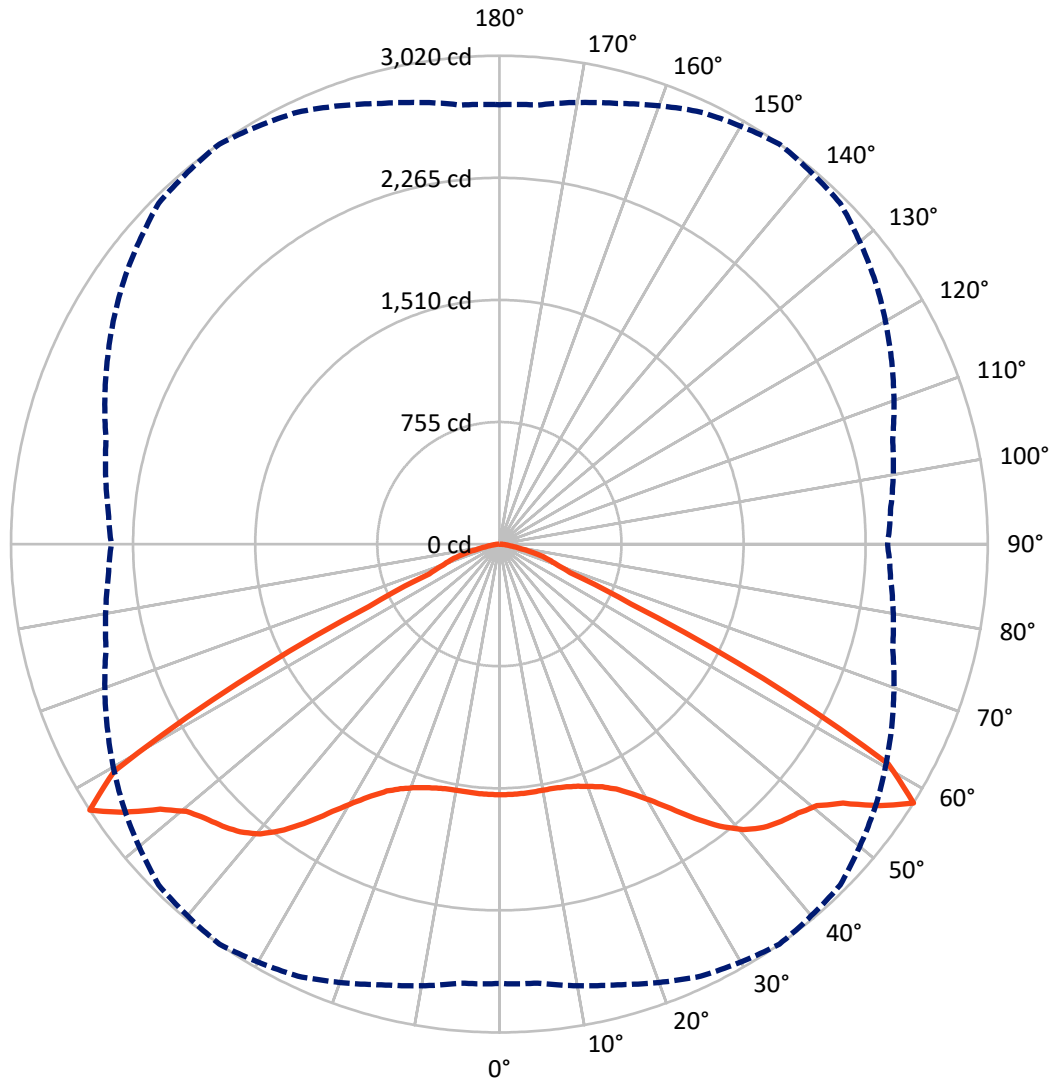
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 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	4051.9	0.0	4051.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4051.9	0.0	4051.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8103.8	0.0	8103.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.5	1.8
10°-20°	440.1	5.4
20°-30°	767.9	9.5
30°-40°	1259.2	15.5
40°-50°	1854.5	22.9
50°-60°	2366.6	29.2
60°-70°	997.4	12.3
70°-80°	238.3	2.9
80°-90°	32.4	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°	8103.8	100.0
0°-180°	8103.8	100.0

**Coefficient of Utilization**



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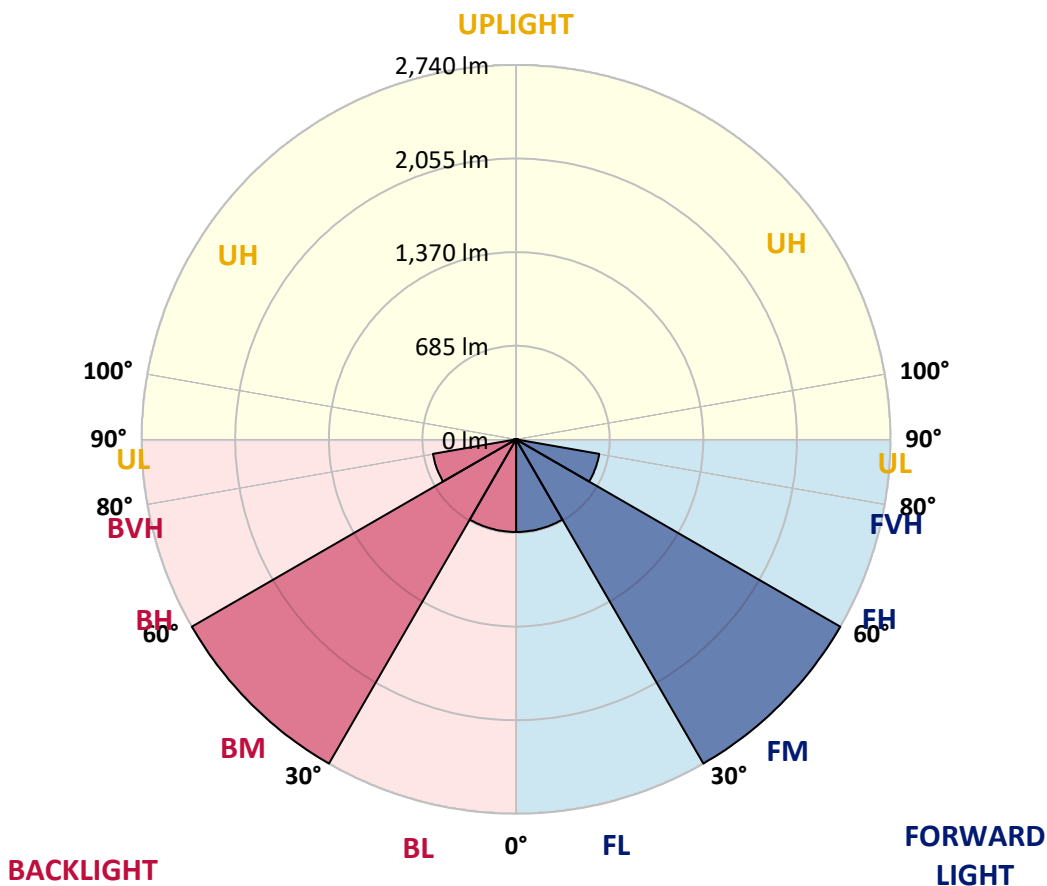
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	677.7	8.4			
FM (30°-60°)	2740.1	33.8			
FH (60°-80°)	617.8	7.6			G0/660
FVH (80°-90°)	16.2	0.2			G1/100
BL (0°-30°)	677.7	8.4	B2/1000		
BM (30°-60°)	2740.1	33.8	B3/5000		
BH (60°-80°)	617.8	7.6	B2/1000		G0/660
BVH (80°-90°)	16.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6
2.5°	1541.3	1541.3	1544.6	1547.9	1549.2	1555.2	1554.6	1552.6	1551.2	1547.3	1552.6
5°	1544.6	1544.6	1547.3	1549.2	1548.6	1553.2	1551.2	1547.9	1545.9	1541.9	1547.9
7.5°	1543.9	1543.9	1545.9	1547.9	1546.6	1550.6	1547.3	1542.6	1539.3	1535.3	1540.6
10°	1535.3	1536.6	1538.6	1543.3	1545.3	1551.2	1546.6	1539.3	1534.0	1529.3	1534.6
12.5°	1534.0	1535.3	1538.0	1543.9	1547.3	1555.9	1549.9	1538.0	1530.0	1524.0	1529.3
15°	1540.0	1541.3	1545.3	1552.6	1557.9	1567.2	1558.5	1541.9	1530.7	1522.7	1527.3
17.5°	1547.3	1549.2	1555.2	1565.8	1574.5	1584.4	1573.8	1553.9	1538.0	1527.3	1531.3
20°	1555.2	1557.9	1567.2	1583.1	1599.0	1611.6	1598.3	1571.8	1552.6	1538.6	1542.6
22.5°	1569.1	1572.5	1584.4	1607.0	1630.9	1649.4	1632.8	1597.0	1571.8	1553.9	1557.2
25°	1597.7	1601.7	1616.9	1644.1	1678.0	1700.5	1677.3	1636.8	1601.7	1579.8	1583.1
27.5°	1648.1	1650.1	1670.0	1705.8	1747.6	1773.5	1745.6	1697.9	1658.7	1633.5	1636.2
30°	1714.5	1720.4	1740.3	1787.4	1837.2	1871.7	1835.2	1778.8	1733.7	1703.2	1705.8
32.5°	1795.4	1799.4	1829.2	1878.3	1950.0	1989.8	1940.0	1873.0	1818.6	1781.5	1784.1
35°	1901.6	1904.9	1933.4	1995.8	2082.7	2119.8	2062.8	1985.8	1922.8	1887.6	1897.6
37.5°	2028.3	2034.3	2054.8	2116.5	2213.4	2249.9	2184.2	2112.5	2046.9	2014.3	2021.6
40°	2164.3	2163.6	2180.2	2234.6	2322.9	2345.4	2286.4	2229.3	2172.9	2151.7	2163.6
42.5°	2281.1	2277.8	2289.7	2334.8	2395.9	2397.8	2358.7	2326.8	2287.0	2272.4	2283.7
45°	2362.7	2364.0	2381.9	2413.1	2444.3	2427.7	2415.8	2410.4	2379.3	2359.4	2361.4
47.5°	2427.0	2432.3	2460.9	2482.1	2486.1	2458.2	2474.8	2482.8	2456.9	2426.4	2417.7
50°	2484.1	2492.7	2529.9	2552.4	2543.8	2508.6	2541.2	2553.1	2496.0	2437.7	2420.4
52.5°	2587.6	2597.6	2642.7	2671.9	2661.9	2626.7	2657.3	2614.8	2518.6	2446.9	2425.0
55°	2752.8	2757.5	2812.5	2860.3	2855.6	2812.5	2788.0	2693.8	2577.0	2502.7	2482.1
57.5°	2717.6	2725.6	2821.1	2948.5	3020.2	2981.0	2837.1	2676.5	2517.9	2428.4	2400.5
60°	2138.4	2157.7	2276.4	2500.7	2763.4	2762.8	2495.4	2245.9	2054.8	1936.1	1924.1
62.5°	1248.7	1262.0	1370.1	1597.0	1832.6	1847.1	1659.4	1488.2	1321.0	1240.7	1202.2
65°	591.2	590.5	633.6	735.8	895.0	907.7	851.3	757.7	658.8	631.6	624.3
67.5°	436.6	436.6	433.3	440.6	471.1	477.7	471.1	455.8	446.5	452.5	448.5
70°	378.9	379.5	375.5	373.5	373.5	371.6	374.2	380.2	384.2	392.1	388.1
72.5°	307.2	307.9	307.9	308.5	309.2	306.5	310.5	313.8	314.5	317.1	314.5
75°	218.3	219.6	223.6	226.9	229.6	229.6	230.9	231.6	228.9	232.2	226.9
77.5°	120.1	121.4	128.7	134.7	140.7	141.3	143.3	144.6	143.3	146.0	142.0
80°	66.3	67.7	71.0	73.6	78.3	82.3	84.9	86.3	86.3	88.2	86.3
82.5°	37.8	39.1	41.1	42.5	46.4	49.8	52.4	54.4	54.4	55.1	53.7
85°	17.9	17.9	19.2	20.6	22.6	23.9	27.2	29.2	29.2	30.5	29.2
87.5°	2.7	3.3	4.0	4.0	5.3	6.6	8.0	8.6	10.0	10.6	10.6
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)