

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: P632349

Luminaire Tested: GWS-SA2C-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632349  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

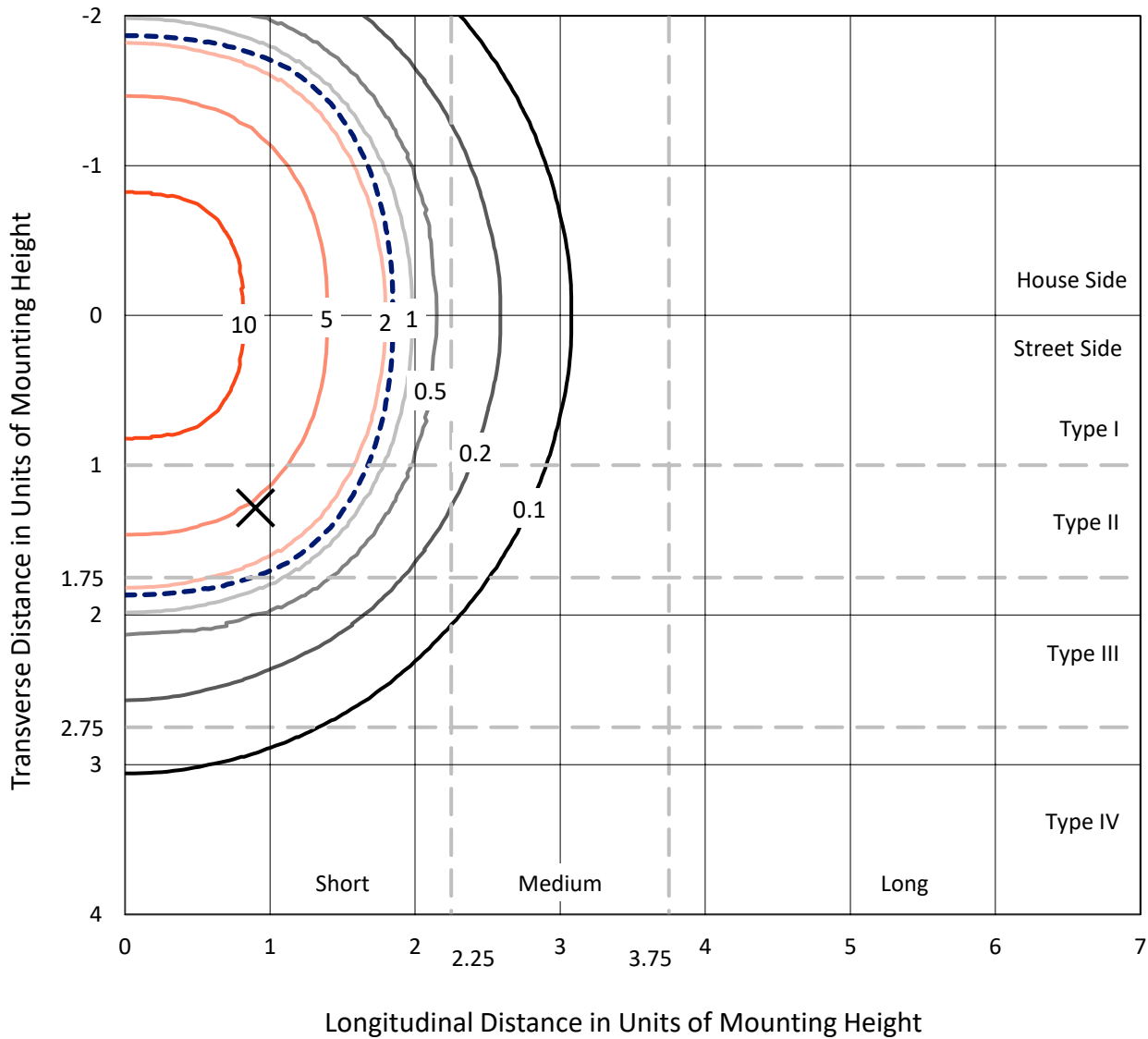
Lumens per Lamp: N/A  
Luminaire Lumens: 8289.5 lumens  
Efficiency: N/A  
Efficacy: 131.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

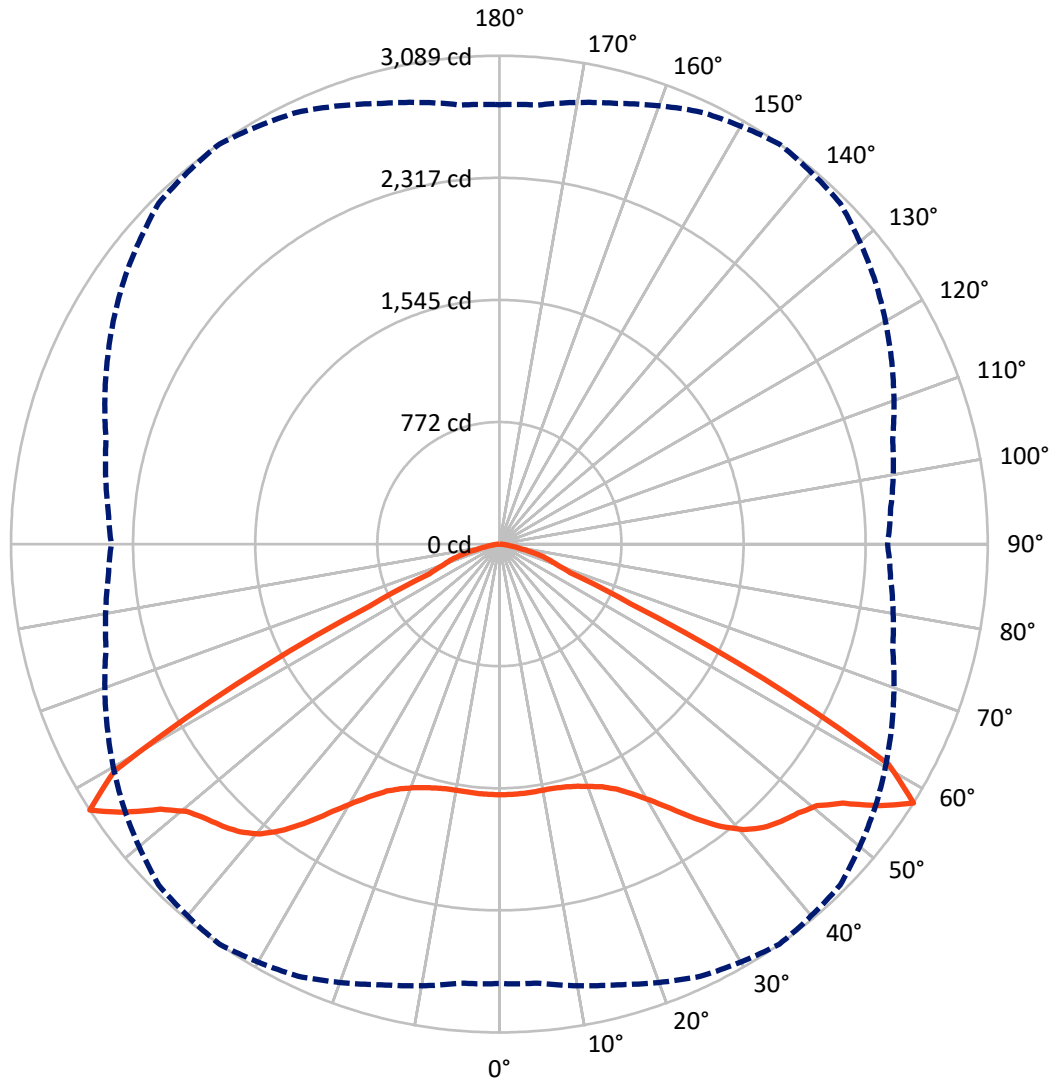
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.9 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	4144.8	0.0	4144.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4144.8	0.0	4144.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8289.5	0.0	8289.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.9	1.8
10°-20°	450.2	5.4
20°-30°	785.5	9.5
30°-40°	1288.0	15.5
40°-50°	1897.0	22.9
50°-60°	2420.8	29.2
60°-70°	1020.3	12.3
70°-80°	243.7	2.9
80°-90°	33.2	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°	8289.5	100.0
0°-180°	8289.5	100.0

**Coefficient of Utilization**



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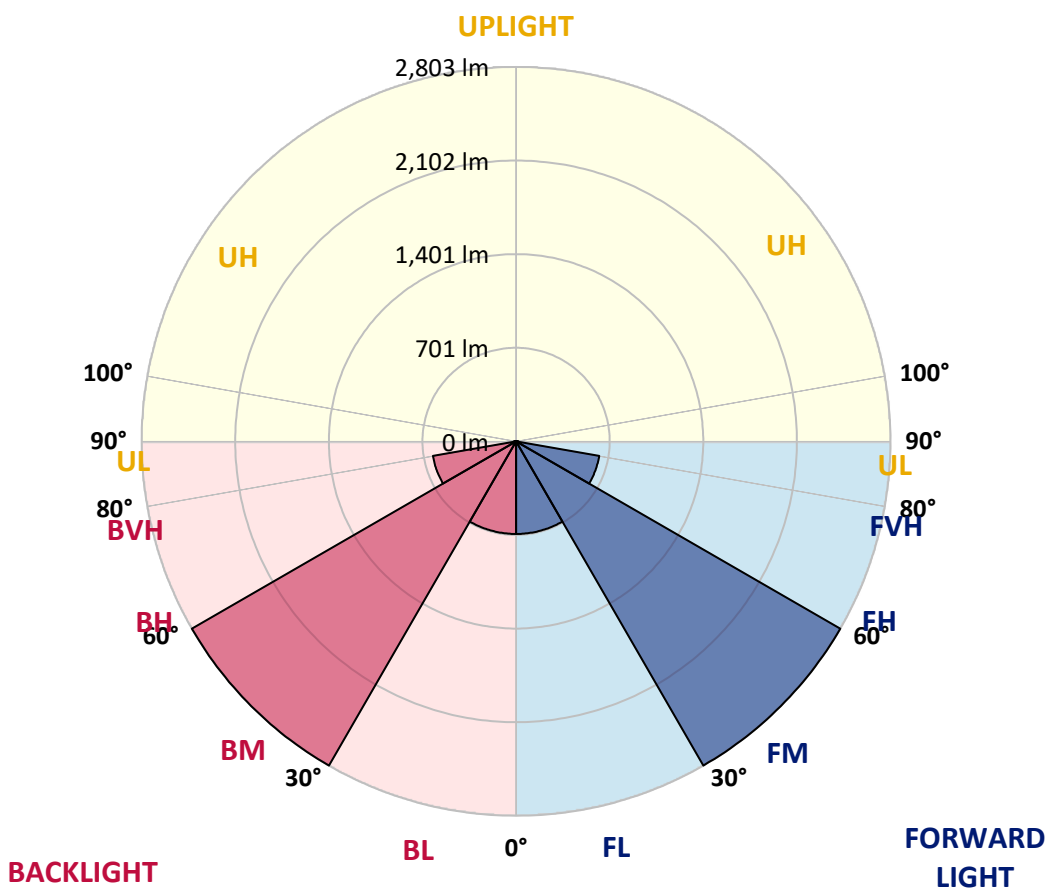
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	693.3	8.4			
FM (30°-60°)	2802.9	33.8			
FH (60°-80°)	632.0	7.6			G0/660
FVH (80°-90°)	16.6	0.2			G1/100
BL (0°-30°)	693.3	8.4	B2/1000		
BM (30°-60°)	2802.9	33.8	B3/5000		
BH (60°-80°)	632.0	7.6	B2/1000		G0/660
BVH (80°-90°)	16.6	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°	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1
2.5°	1576.6	1576.6	1580.0	1583.4	1584.7	1590.9	1590.2	1588.1	1586.8	1582.7	1588.1
5°	1580.0	1580.0	1582.7	1584.7	1584.1	1588.8	1586.8	1583.4	1581.4	1577.3	1583.4
7.5°	1579.3	1579.3	1581.4	1583.4	1582.0	1586.1	1582.7	1578.0	1574.6	1570.5	1575.9
10°	1570.5	1571.8	1573.9	1578.6	1580.7	1586.8	1582.0	1574.6	1569.1	1564.4	1569.8
12.5°	1569.1	1570.5	1573.2	1579.3	1582.7	1591.5	1585.4	1573.2	1565.1	1559.0	1564.4
15°	1575.2	1576.6	1580.7	1588.1	1593.6	1603.1	1594.2	1577.3	1565.7	1557.6	1562.3
17.5°	1582.7	1584.7	1590.9	1601.7	1610.5	1620.7	1609.9	1589.5	1573.2	1562.3	1566.4
20°	1590.9	1593.6	1603.1	1619.4	1635.6	1648.5	1635.0	1607.8	1588.1	1573.9	1578.0
22.5°	1605.1	1608.5	1620.7	1643.8	1668.2	1687.2	1670.3	1633.6	1607.8	1589.5	1592.9
25°	1634.3	1638.4	1654.0	1681.8	1716.4	1739.5	1715.7	1674.3	1638.4	1616.0	1619.4
27.5°	1685.9	1687.9	1708.3	1744.9	1787.7	1814.1	1785.6	1736.8	1696.7	1670.9	1673.7
30°	1753.7	1759.8	1780.2	1828.4	1879.3	1914.6	1877.3	1819.6	1773.4	1742.2	1744.9
32.5°	1836.5	1840.6	1871.2	1921.4	1994.7	2035.4	1984.5	1915.9	1860.3	1822.3	1825.0
35°	1945.1	1948.5	1977.7	2041.5	2130.4	2168.4	2110.1	2031.3	1966.8	1930.9	1941.1
37.5°	2074.8	2080.9	2101.9	2165.0	2264.1	2301.4	2234.3	2161.0	2093.8	2060.5	2068.0
40°	2213.9	2213.2	2230.2	2285.8	2376.1	2399.2	2338.8	2280.4	2222.7	2201.0	2213.2
42.5°	2333.3	2329.9	2342.2	2388.3	2450.8	2452.8	2412.7	2380.2	2339.4	2324.5	2336.1
45°	2416.8	2418.2	2436.5	2468.4	2500.3	2483.3	2471.1	2465.7	2433.8	2413.4	2415.5
47.5°	2482.7	2488.1	2517.3	2539.0	2543.1	2514.6	2531.5	2539.7	2513.2	2482.0	2473.2
50°	2541.0	2549.8	2587.8	2610.9	2602.1	2566.1	2599.4	2611.6	2553.2	2493.5	2475.9
52.5°	2646.9	2657.1	2703.2	2733.1	2722.9	2686.9	2718.2	2674.7	2576.3	2503.0	2480.6
55°	2815.9	2820.6	2877.0	2925.8	2921.1	2877.0	2851.9	2755.5	2636.0	2560.0	2539.0
57.5°	2779.9	2788.1	2885.8	3016.1	3089.4	3049.4	2902.1	2737.8	2575.6	2484.0	2455.5
60°	2187.4	2207.1	2328.6	2558.0	2826.7	2826.1	2552.6	2297.4	2101.9	1980.4	1968.2
62.5°	1277.3	1290.9	1401.5	1633.6	1874.5	1889.5	1697.4	1522.3	1351.3	1269.2	1229.8
65°	604.7	604.0	648.1	752.7	915.6	928.4	870.8	775.1	673.9	646.1	638.6
67.5°	446.6	446.6	443.2	450.7	481.9	488.7	481.9	466.3	456.8	462.9	458.8
70°	387.5	388.2	384.1	382.1	382.1	380.1	382.8	388.9	393.0	401.1	397.0
72.5°	314.2	314.9	314.9	315.6	316.3	313.6	317.6	321.0	321.7	324.4	321.7
75°	223.3	224.6	228.7	232.1	234.8	234.8	236.2	236.9	234.1	237.5	232.1
77.5°	122.8	124.2	131.7	137.8	143.9	144.6	146.6	148.0	146.6	149.3	145.2
80°	67.9	69.2	72.6	75.3	80.1	84.2	86.9	88.2	88.2	90.3	88.2
82.5°	38.7	40.0	42.1	43.4	47.5	50.9	53.6	55.7	55.7	56.3	55.0
85°	18.3	18.3	19.7	21.0	23.1	24.4	27.8	29.9	29.9	31.2	29.9
87.5°	2.7	3.4	4.1	4.1	5.4	6.8	8.1	8.8	10.2	10.9	10.9
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)