

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: P632848

Luminaire Tested: GWS-SA2D-750-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632848  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-750-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

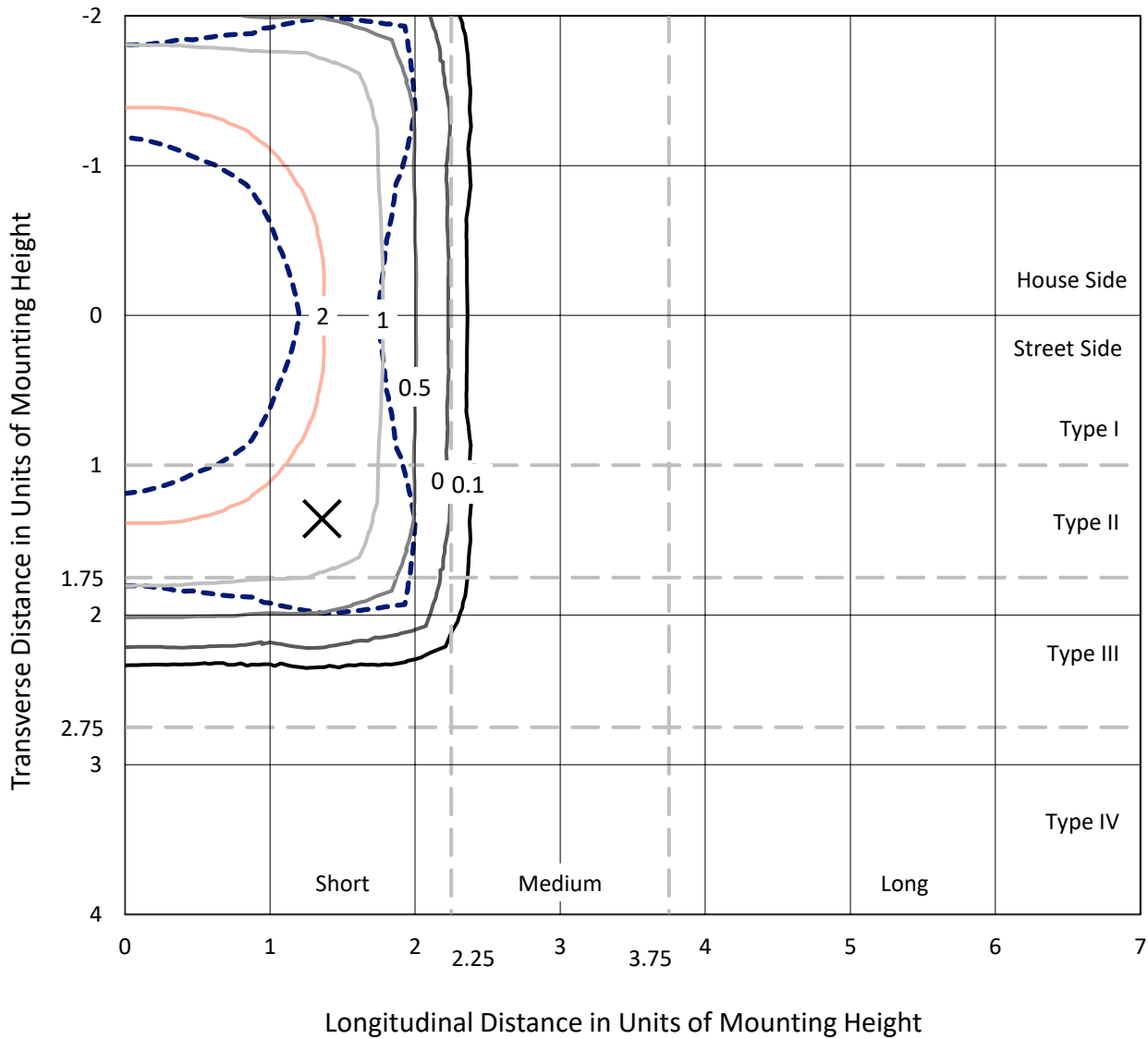
Lumens per Lamp: N/A  
Luminaire Lumens: 12483.5 lumens  
Efficiency: N/A  
Efficacy: 152.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

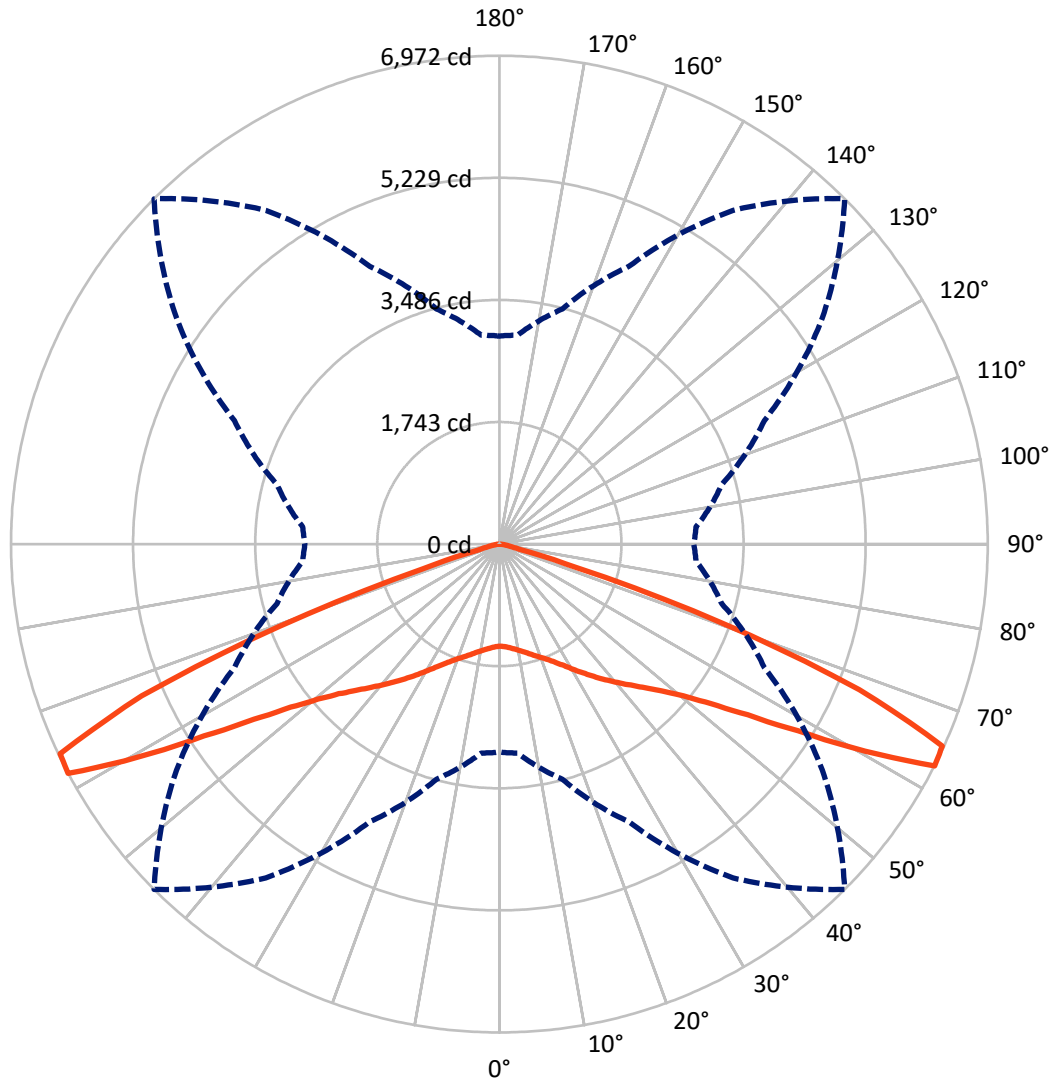
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6241.7	0.0	6241.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6241.7	0.0	6241.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12483.5	0.0	12483.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.9	1.1
10°-20°	460.8	3.7
20°-30°	871.8	7.0
30°-40°	1467.3	11.8
40°-50°	2344.3	18.8
50°-60°	3778.9	30.3
60°-70°	3083.2	24.7
70°-80°	299.4	2.4
80°-90°	34.8	0.3
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°	12483.5	100.0
0°-180°	12483.5	100.0

**Coefficient of Utilization**



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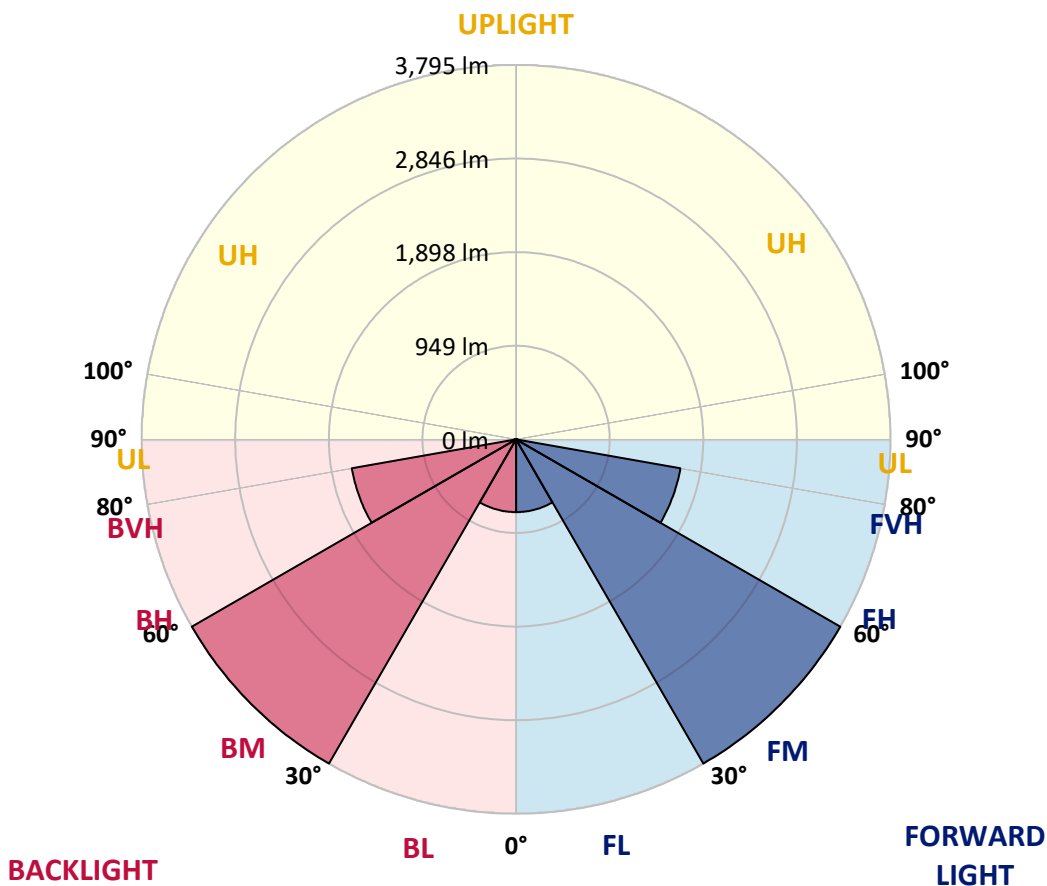
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	737.7	5.9			
FM (30°-60°)	3795.3	30.4			
FH (60°-80°)	1691.3	13.5			G1/1800
FVH (80°-90°)	17.4	0.1			G1/100
BL (0°-30°)	737.7	5.9	B2/1000		
BM (30°-60°)	3795.3	30.4	B3/5000		
BH (60°-80°)	1691.3	13.5	B3/2500		G1/1800
BVH (80°-90°)	17.4	0.1			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°	1456.4	1456.4	1456.4	1456.4	1456.4	1456.4	1456.4	1456.4	1456.4	1456.4	1456.4
2.5°	1454.7	1454.7	1458.1	1460.6	1458.9	1465.8	1464.9	1463.2	1462.4	1459.8	1467.5
5°	1474.3	1474.3	1476.9	1479.5	1475.2	1483.8	1480.3	1478.6	1477.8	1474.3	1481.2
7.5°	1496.6	1499.2	1500.0	1504.3	1501.7	1511.2	1508.6	1505.2	1503.5	1499.2	1505.2
10°	1521.4	1523.2	1524.0	1531.7	1532.6	1543.7	1541.1	1536.8	1533.4	1529.1	1537.7
12.5°	1554.8	1555.7	1558.3	1567.7	1570.2	1578.8	1577.9	1572.0	1567.7	1561.7	1571.1
15°	1597.6	1598.5	1602.8	1612.2	1616.5	1626.7	1623.3	1613.9	1607.9	1601.1	1608.8
17.5°	1642.2	1645.6	1649.9	1659.3	1665.3	1677.3	1673.0	1662.7	1657.6	1650.7	1655.9
20°	1699.5	1700.4	1702.9	1713.2	1717.5	1731.2	1732.1	1721.8	1719.2	1712.4	1720.1
22.5°	1762.9	1763.7	1766.3	1777.4	1785.1	1793.7	1798.8	1792.8	1788.6	1780.0	1789.4
25°	1833.1	1841.7	1844.2	1857.9	1866.5	1871.6	1877.6	1875.0	1869.0	1858.8	1863.1
27.5°	1931.6	1933.3	1937.5	1953.0	1958.1	1963.2	1969.2	1970.1	1961.5	1949.5	1955.5
30°	2043.7	2042.9	2052.3	2064.3	2068.5	2072.8	2081.4	2086.5	2075.4	2062.5	2068.5
32.5°	2158.4	2168.7	2180.7	2191.8	2189.3	2191.0	2204.7	2214.1	2198.7	2175.6	2180.7
35°	2287.7	2294.6	2310.0	2326.3	2322.8	2320.3	2328.8	2338.2	2316.8	2286.9	2294.6
37.5°	2420.4	2430.7	2453.8	2473.5	2468.4	2456.4	2465.8	2476.1	2455.5	2421.3	2417.9
40°	2568.6	2584.8	2618.2	2634.5	2620.8	2597.7	2613.9	2638.8	2618.2	2578.8	2569.4
42.5°	2742.4	2762.0	2795.4	2820.3	2790.3	2752.6	2780.0	2816.0	2810.9	2758.6	2742.4
45°	2957.3	2970.1	3011.2	3023.2	2978.7	2926.4	2976.1	3030.9	3018.0	2961.5	2940.1
47.5°	3191.0	3210.7	3246.6	3268.9	3197.0	3131.9	3201.3	3274.9	3261.2	3208.1	3183.3
50°	3488.9	3514.6	3561.7	3580.6	3481.2	3406.8	3495.8	3589.1	3562.6	3491.5	3459.0
52.5°	3813.4	3834.0	3914.5	3952.1	3858.8	3778.3	3856.3	3947.9	3891.4	3797.2	3753.5
55°	4099.4	4120.0	4238.1	4363.1	4358.8	4303.2	4342.6	4344.3	4191.0	4035.2	3989.0
57.5°	4161.1	4181.6	4406.8	4733.8	4965.0	5029.2	4913.6	4670.5	4284.3	4011.2	3959.0
60°	3832.3	3855.4	4213.3	4810.9	5571.2	6000.1	5467.6	4663.6	3995.8	3625.9	3576.3
62.5°	2969.2	2994.1	3475.2	4372.5	5816.1	6971.9	5628.6	4173.0	3286.9	2818.6	2774.9
65°	1417.8	1417.8	2029.2	3136.2	5328.0	6948.8	5162.8	3087.4	1978.6	1519.7	1482.1
67.5°	351.0	352.7	522.3	1220.9	3624.2	5545.5	3683.3	1482.1	696.9	493.2	480.3
70°	219.2	218.3	242.3	330.5	1268.0	3365.7	1506.0	446.9	283.4	250.0	248.3
72.5°	170.4	170.4	182.4	211.5	332.2	1146.4	439.2	248.3	205.5	184.9	184.9
75°	134.4	134.4	143.0	158.4	196.1	295.4	233.7	184.1	159.3	145.6	143.8
77.5°	100.2	101.9	108.7	119.0	133.6	166.1	148.1	138.7	124.1	113.9	110.4
80°	65.1	67.6	76.2	82.2	87.3	109.6	96.7	101.0	94.2	82.2	80.5
82.5°	35.1	36.0	46.2	47.9	49.7	59.9	61.6	64.2	66.8	52.2	48.8
85°	12.8	12.8	15.4	18.0	19.7	21.4	29.1	36.0	37.7	30.0	29.1
87.5°	2.6	2.6	2.6	1.7	1.7	1.7	5.1	9.4	15.4	12.0	12.0
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)