

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: P637463

Luminaire Tested: GWS-SA4C-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637463  
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-SA4C-830-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (64) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

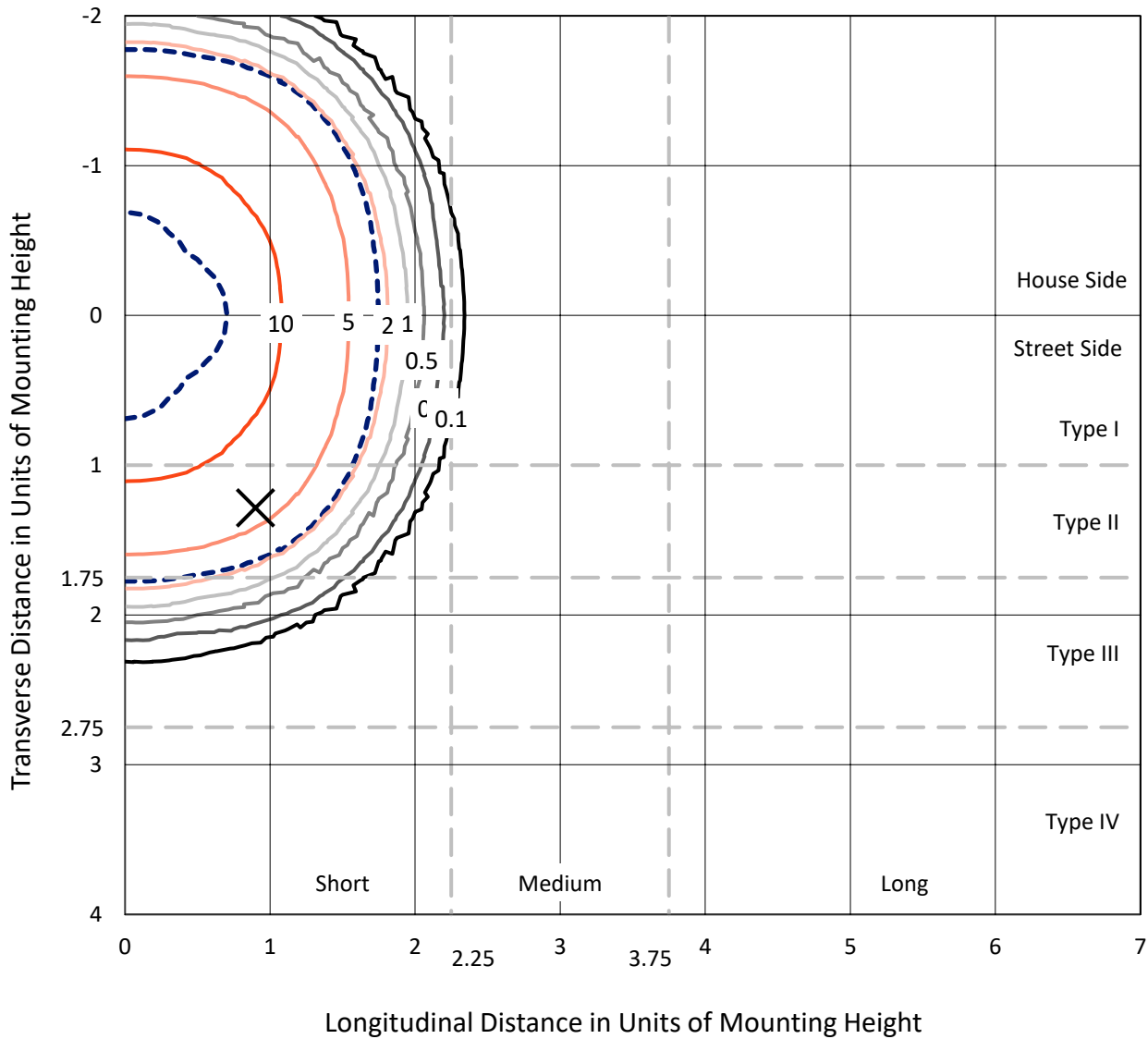
Lumens per Lamp: N/A  
Luminaire Lumens: 9421.7 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

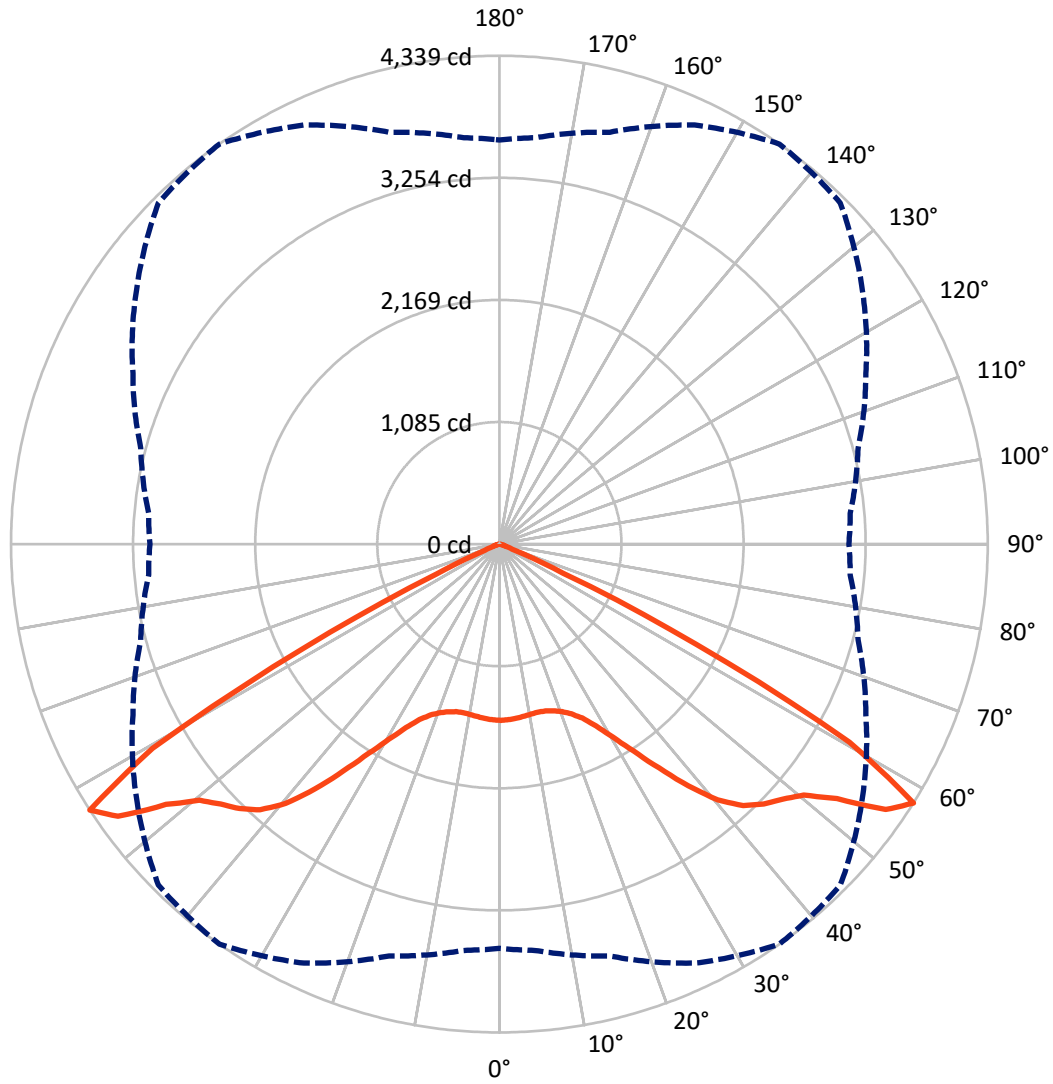
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 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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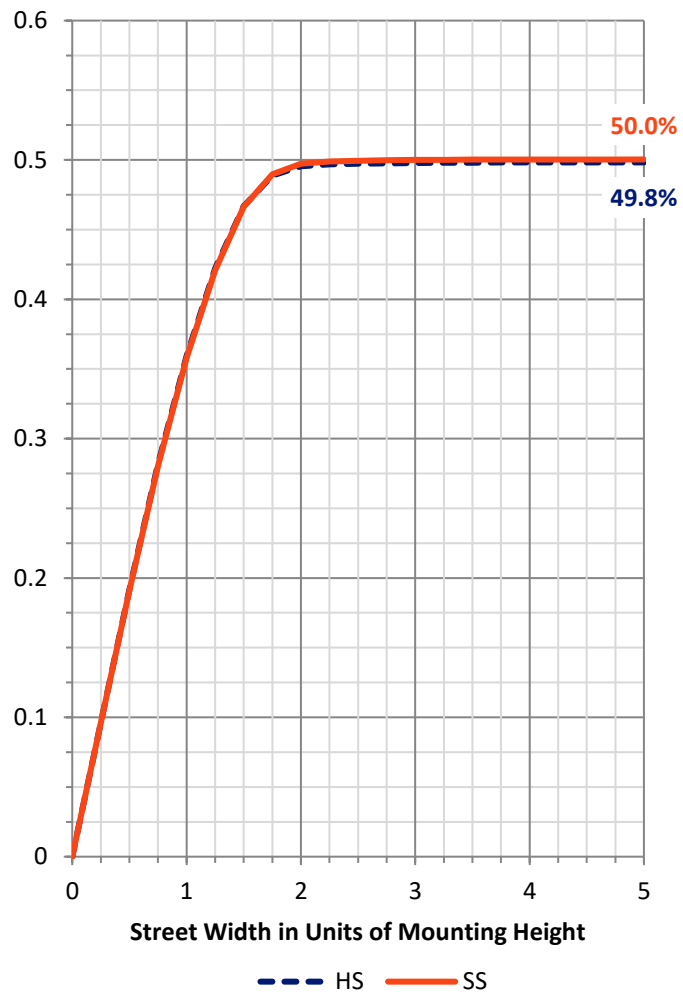
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4710.8	0.0	4710.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4710.8	0.0	4710.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9421.7	0.0	9421.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.6	1.6
10°-20°	434.1	4.6
20°-30°	784.7	8.3
30°-40°	1463.9	15.5
40°-50°	2455.8	26.1
50°-60°	3243.1	34.4
60°-70°	861.3	9.1
70°-80°	30.6	0.3
80°-90°	0.5	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°	9421.7	100.0
0°-180°	9421.7	100.0

**Coefficient of Utilization**



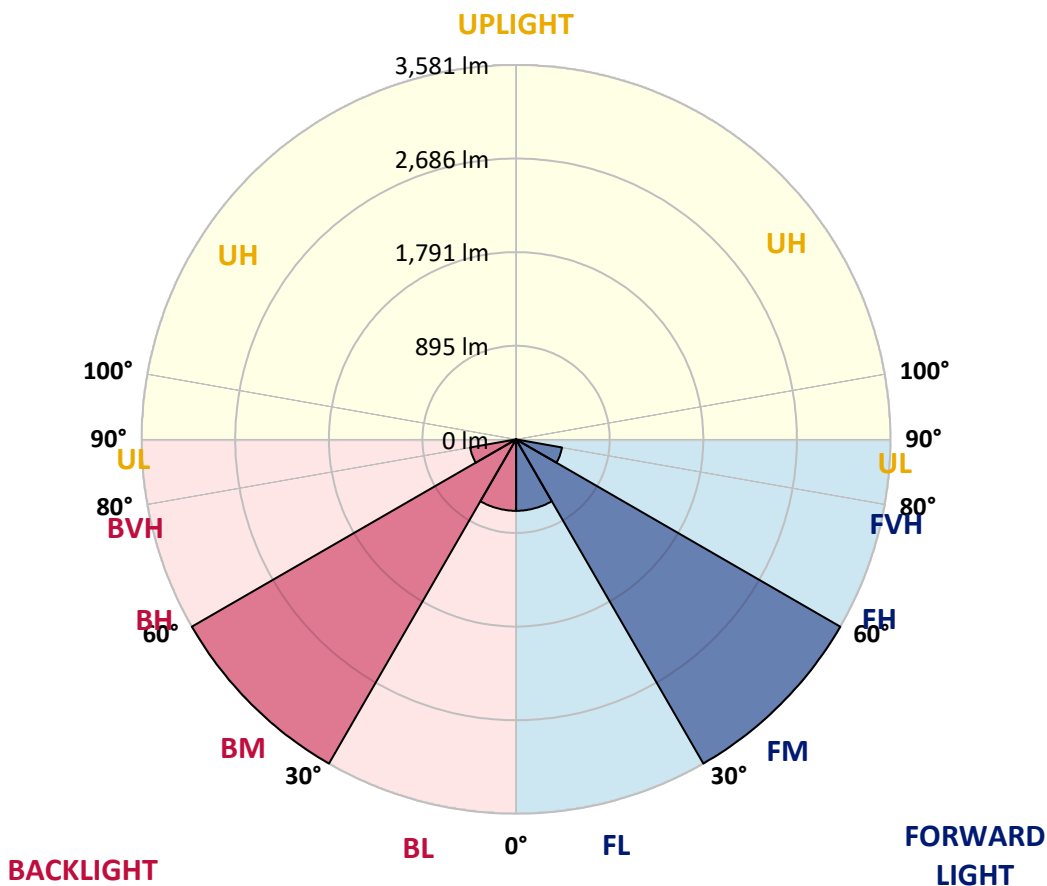
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	683.2	7.3			
FM (30°-60°)	3581.4	38.0			
FH (60°-80°)	445.9	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	683.2	7.3	B2/1000		
BM (30°-60°)	3581.4	38.0	B3/5000		
BH (60°-80°)	445.9	4.7	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1566.4	1566.4	1566.4	1566.4	1566.4	1566.4	1566.4	1566.4	1566.4	1566.4	1566.4
2.5°	1555.4	1554.3	1558.7	1562.0	1562.0	1569.8	1567.5	1565.3	1563.1	1559.8	1567.5
5°	1553.2	1552.1	1555.4	1557.6	1555.4	1562.0	1557.6	1553.2	1551.0	1546.5	1555.4
7.5°	1543.2	1544.3	1546.5	1548.8	1545.4	1551.0	1545.4	1538.8	1533.3	1528.9	1536.6
10°	1527.8	1528.9	1531.1	1535.5	1536.6	1544.3	1536.6	1524.4	1516.7	1510.1	1517.8
12.5°	1520.0	1521.1	1524.4	1530.0	1531.1	1541.0	1531.1	1513.4	1502.3	1494.6	1502.3
15°	1522.2	1524.4	1528.9	1535.5	1537.7	1547.6	1534.4	1511.2	1495.7	1485.7	1492.4
17.5°	1530.0	1532.2	1538.8	1549.9	1557.6	1567.5	1551.0	1521.1	1500.1	1485.7	1492.4
20°	1539.9	1543.2	1554.3	1572.0	1588.6	1606.2	1585.2	1544.3	1516.7	1499.0	1504.5
22.5°	1567.5	1570.9	1586.3	1609.6	1637.2	1659.3	1633.9	1581.9	1544.3	1521.1	1526.6
25°	1623.9	1627.2	1647.1	1677.0	1712.4	1741.1	1709.0	1643.8	1595.2	1568.7	1570.9
27.5°	1712.4	1715.7	1738.9	1780.9	1828.4	1869.3	1822.9	1746.6	1691.4	1660.4	1660.4
30°	1824.0	1828.4	1859.4	1915.8	1989.8	2044.0	1981.0	1888.1	1817.4	1775.4	1776.5
32.5°	1967.7	1963.3	2007.5	2084.9	2189.9	2261.8	2168.9	2056.2	1968.8	1910.2	1915.8
35°	2152.3	2151.2	2201.0	2306.0	2443.1	2529.3	2418.8	2272.8	2167.8	2108.1	2109.2
37.5°	2390.0	2388.9	2446.4	2560.3	2725.0	2796.8	2673.0	2524.9	2412.1	2354.6	2361.3
40°	2668.6	2662.0	2712.8	2822.2	2987.0	3033.4	2898.5	2779.1	2670.8	2634.3	2652.0
42.5°	2933.9	2919.5	2949.4	3048.9	3176.0	3182.6	3080.9	2999.1	2925.1	2896.3	2907.4
45°	3147.3	3136.2	3163.8	3221.3	3294.3	3261.1	3212.5	3187.1	3127.4	3096.4	3106.4
47.5°	3306.4	3306.4	3339.6	3375.0	3386.0	3325.2	3333.0	3333.0	3273.3	3224.6	3212.5
50°	3443.5	3453.5	3503.2	3539.7	3503.2	3425.8	3470.1	3461.2	3339.6	3242.3	3216.9
52.5°	3662.4	3672.4	3748.6	3798.4	3757.5	3681.2	3686.7	3576.2	3397.1	3282.1	3242.3
55°	3894.5	3918.9	4029.4	4162.1	4163.2	4084.7	3938.8	3743.1	3525.3	3400.4	3359.5
57.5°	3590.5	3623.7	3788.4	4107.9	4338.9	4284.8	3936.6	3592.8	3298.7	3128.5	3105.2
60°	2470.7	2528.2	2692.9	3129.6	3575.1	3596.1	3184.8	2799.0	2461.9	2251.8	2256.3
62.5°	1043.6	1102.1	1195.0	1554.3	1963.3	1988.7	1789.7	1513.4	1238.1	1086.7	1109.9
65°	245.4	262.0	289.6	430.0	623.5	652.2	601.4	468.7	346.0	292.9	298.5
67.5°	107.2	109.4	103.9	110.5	137.1	140.4	136.0	119.4	112.8	115.0	115.0
70°	75.2	76.3	71.9	68.5	65.2	60.8	63.0	69.6	75.2	79.6	78.5
72.5°	46.4	47.5	48.6	48.6	45.3	40.9	43.1	47.5	48.6	49.7	48.6
75°	23.2	24.3	26.5	27.6	26.5	25.4	25.4	26.5	26.5	25.4	25.4
77.5°	4.4	5.5	7.7	8.8	8.8	8.8	8.8	8.8	9.9	8.8	8.8
80°	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
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)