

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: P637023

Luminaire Tested: GWS-SA4C-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637023  
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-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

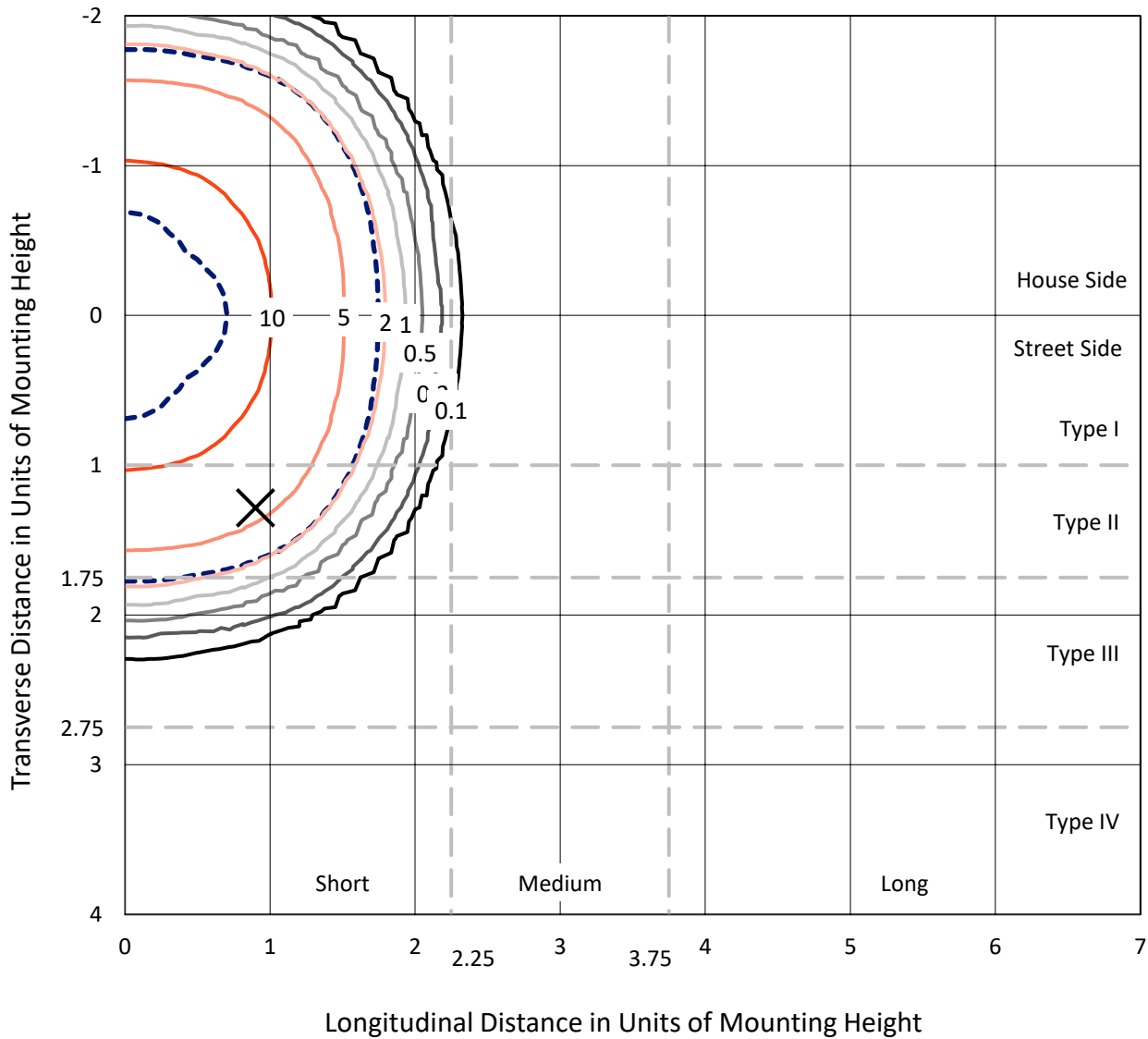
Lumens per Lamp: N/A  
Luminaire Lumens: 8736.2 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

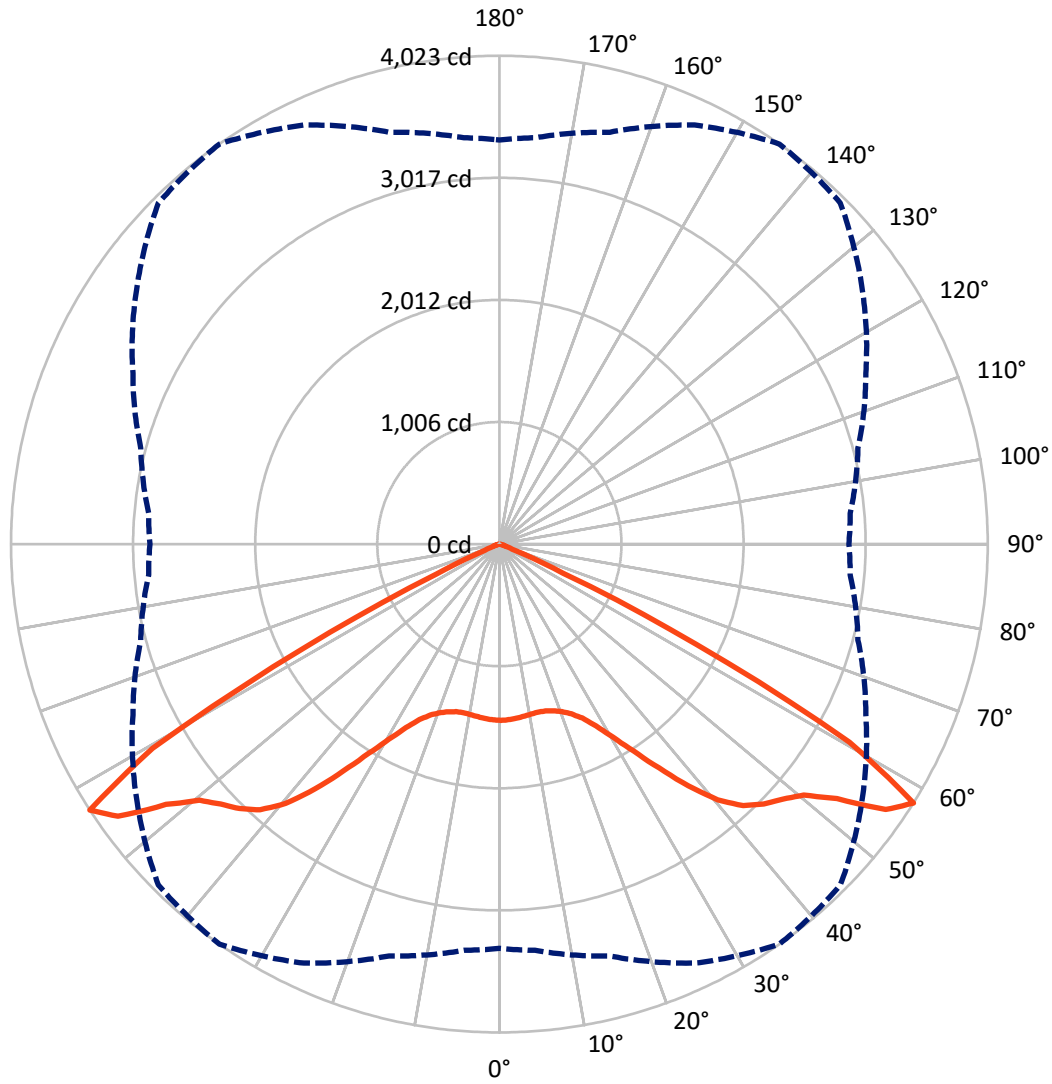
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 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	4368.1	0.0	4368.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4368.1	0.0	4368.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8736.2	0.0	8736.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.8	1.6
10°-20°	402.5	4.6
20°-30°	727.6	8.3
30°-40°	1357.4	15.5
40°-50°	2277.1	26.1
50°-60°	3007.1	34.4
60°-70°	798.6	9.1
70°-80°	28.4	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°	8736.2	100.0
0°-180°	8736.2	100.0

**Coefficient of Utilization**



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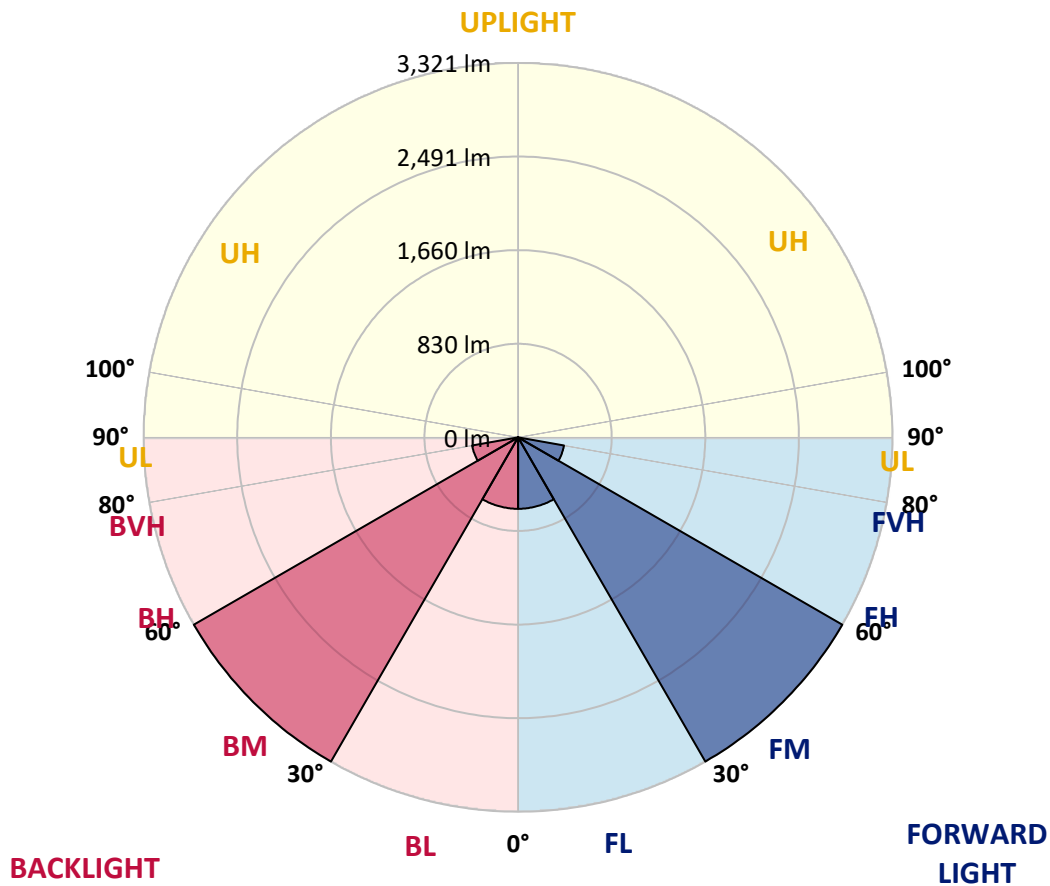
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	633.5	7.3			
FM (30°-60°)	3320.8	38.0			
FH (60°-80°)	413.5	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	633.5	7.3	B2/1000		
BM (30°-60°)	3320.8	38.0	B3/5000		
BH (60°-80°)	413.5	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°	1452.5	1452.5	1452.5	1452.5	1452.5	1452.5	1452.5	1452.5	1452.5	1452.5	1452.5
2.5°	1442.2	1441.2	1445.3	1448.4	1448.4	1455.5	1453.5	1451.4	1449.4	1446.3	1453.5
5°	1440.2	1439.1	1442.2	1444.3	1442.2	1448.4	1444.3	1440.2	1438.1	1434.0	1442.2
7.5°	1430.9	1432.0	1434.0	1436.1	1433.0	1438.1	1433.0	1426.8	1421.7	1417.6	1424.8
10°	1416.6	1417.6	1419.7	1423.8	1424.8	1432.0	1424.8	1413.5	1406.3	1400.2	1407.4
12.5°	1409.4	1410.4	1413.5	1418.6	1419.7	1428.9	1419.7	1403.3	1393.0	1385.8	1393.0
15°	1411.5	1413.5	1417.6	1423.8	1425.8	1435.0	1422.7	1401.2	1386.9	1377.6	1383.8
17.5°	1418.6	1420.7	1426.8	1437.1	1444.3	1453.5	1438.1	1410.4	1391.0	1377.6	1383.8
20°	1427.9	1430.9	1441.2	1457.6	1473.0	1489.4	1469.9	1432.0	1406.3	1389.9	1395.1
22.5°	1453.5	1456.6	1470.9	1492.4	1518.1	1538.6	1515.0	1466.8	1432.0	1410.4	1415.6
25°	1505.8	1508.8	1527.3	1555.0	1587.8	1614.4	1584.7	1524.2	1479.1	1454.5	1456.6
27.5°	1587.8	1590.9	1612.4	1651.3	1695.4	1733.3	1690.3	1619.6	1568.3	1539.6	1539.6
30°	1691.3	1695.4	1724.1	1776.4	1845.1	1895.3	1836.9	1750.8	1685.2	1646.2	1647.2
32.5°	1824.6	1820.5	1861.5	1933.2	2030.6	2097.2	2011.1	1906.6	1825.6	1771.3	1776.4
35°	1995.7	1994.7	2040.8	2138.2	2265.3	2345.3	2242.8	2107.5	2010.1	1954.7	1955.8
37.5°	2216.1	2215.1	2268.4	2374.0	2526.7	2593.3	2478.5	2341.2	2236.6	2183.3	2189.5
40°	2474.4	2468.3	2515.4	2616.9	2769.6	2812.7	2687.6	2576.9	2476.5	2442.7	2459.1
42.5°	2720.4	2707.1	2734.8	2827.0	2944.9	2951.1	2856.8	2780.9	2712.2	2685.6	2695.8
45°	2918.3	2908.0	2933.6	2986.9	3054.6	3023.8	2978.7	2955.2	2899.8	2871.1	2880.3
47.5°	3065.9	3065.9	3096.6	3129.4	3139.7	3083.3	3090.5	3090.5	3035.1	2990.0	2978.7
50°	3193.0	3202.2	3248.3	3282.2	3248.3	3176.6	3217.6	3209.4	3096.6	3006.4	2982.8
52.5°	3395.9	3405.2	3475.9	3522.0	3484.1	3413.4	3418.5	3316.0	3149.9	3043.3	3006.4
55°	3611.2	3633.7	3736.2	3859.2	3860.3	3787.5	3652.2	3470.8	3268.8	3153.0	3115.1
57.5°	3329.3	3360.1	3512.8	3809.0	4023.3	3973.0	3650.1	3331.4	3058.7	2900.8	2879.3
60°	2290.9	2344.3	2497.0	2901.9	3315.0	3334.4	2953.1	2595.4	2282.7	2088.0	2092.1
62.5°	967.6	1022.0	1108.1	1441.2	1820.5	1844.0	1659.5	1403.3	1148.0	1007.6	1029.1
65°	227.6	242.9	268.6	398.7	578.1	604.8	557.6	434.6	320.8	271.6	276.8
67.5°	99.4	101.5	96.4	102.5	127.1	130.2	126.1	110.7	104.6	106.6	106.6
70°	69.7	70.7	66.6	63.6	60.5	56.4	58.4	64.6	69.7	73.8	72.8
72.5°	43.1	44.1	45.1	45.1	42.0	37.9	40.0	44.1	45.1	46.1	45.1
75°	21.5	22.6	24.6	25.6	24.6	23.6	23.6	24.6	24.6	23.6	23.6
77.5°	4.1	5.1	7.2	8.2	8.2	8.2	8.2	8.2	9.2	8.2	8.2
80°	1.0	1.0	2.1	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1
82.5°	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
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)