

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: P636803

Luminaire Tested: GWS-SA4B-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636803
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-SA4B-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9046.3 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

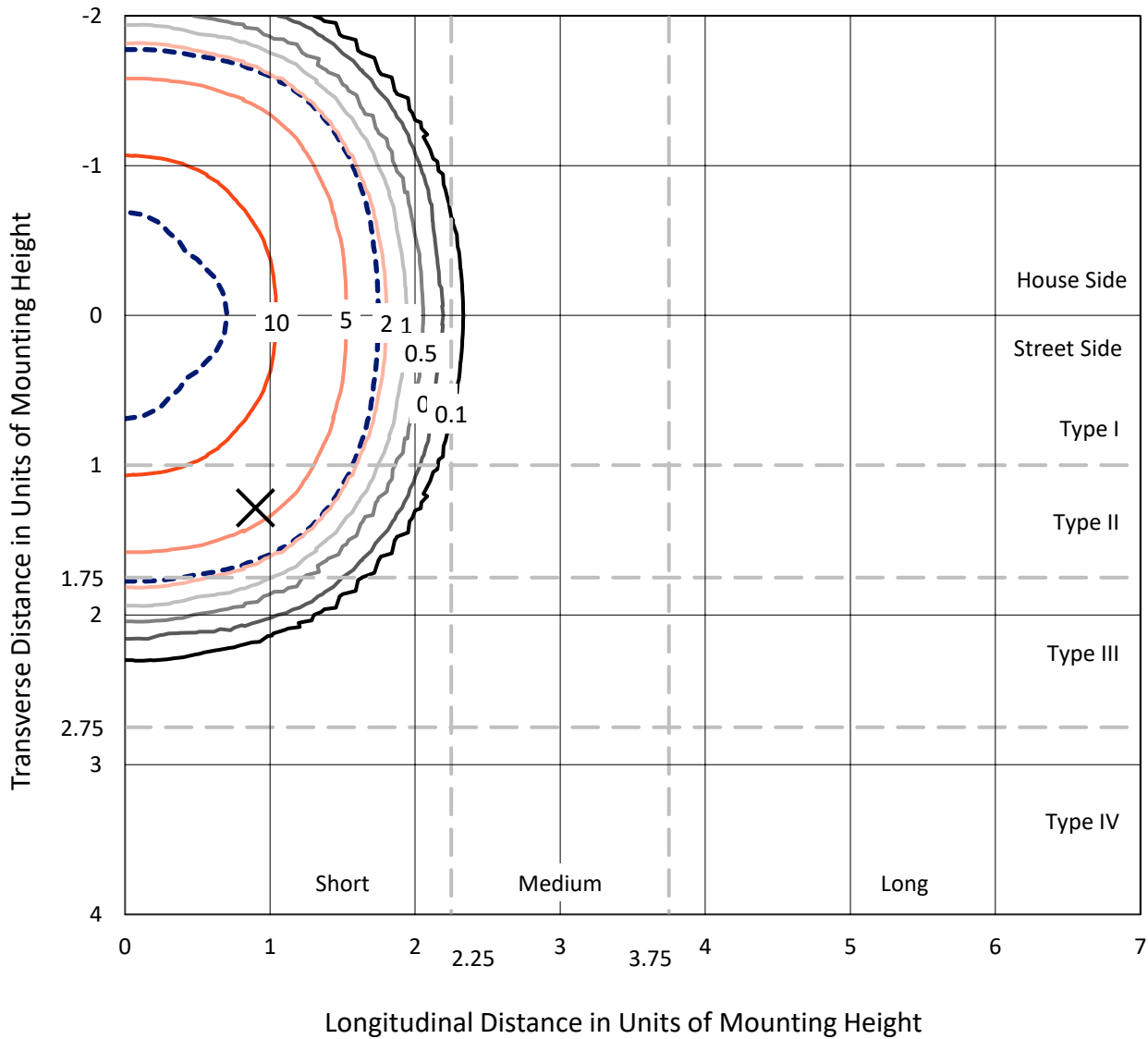
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

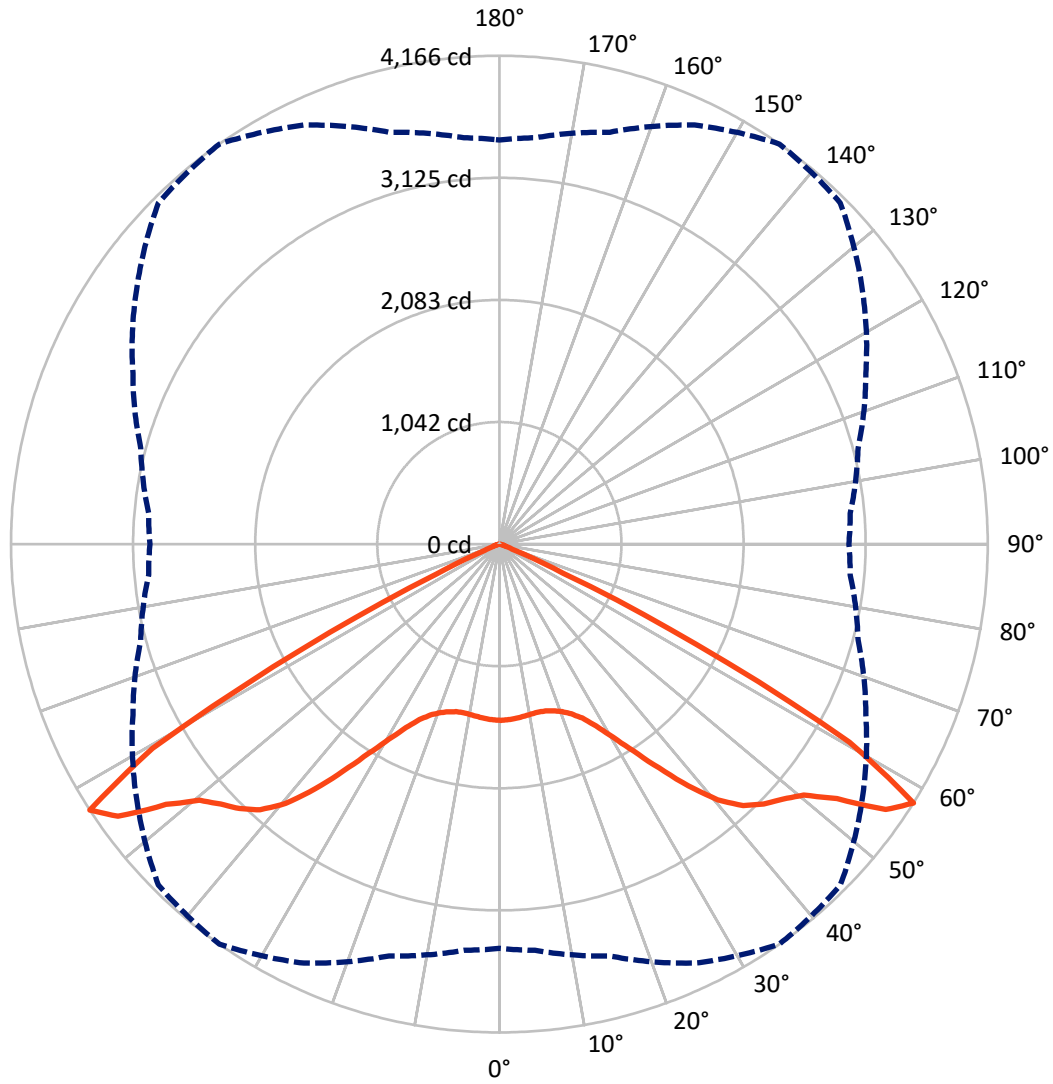
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 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
House Side	Lumens	4523.2	0.0	4523.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4523.2	0.0	4523.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9046.3	0.0	9046.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	1.6
10°-20°	416.8	4.6
20°-30°	753.4	8.3
30°-40°	1405.6	15.5
40°-50°	2357.9	26.1
50°-60°	3113.9	34.4
60°-70°	827.0	9.1
70°-80°	29.4	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°	9046.3	100.0
0°-180°	9046.3	100.0

Coefficient of Utilization



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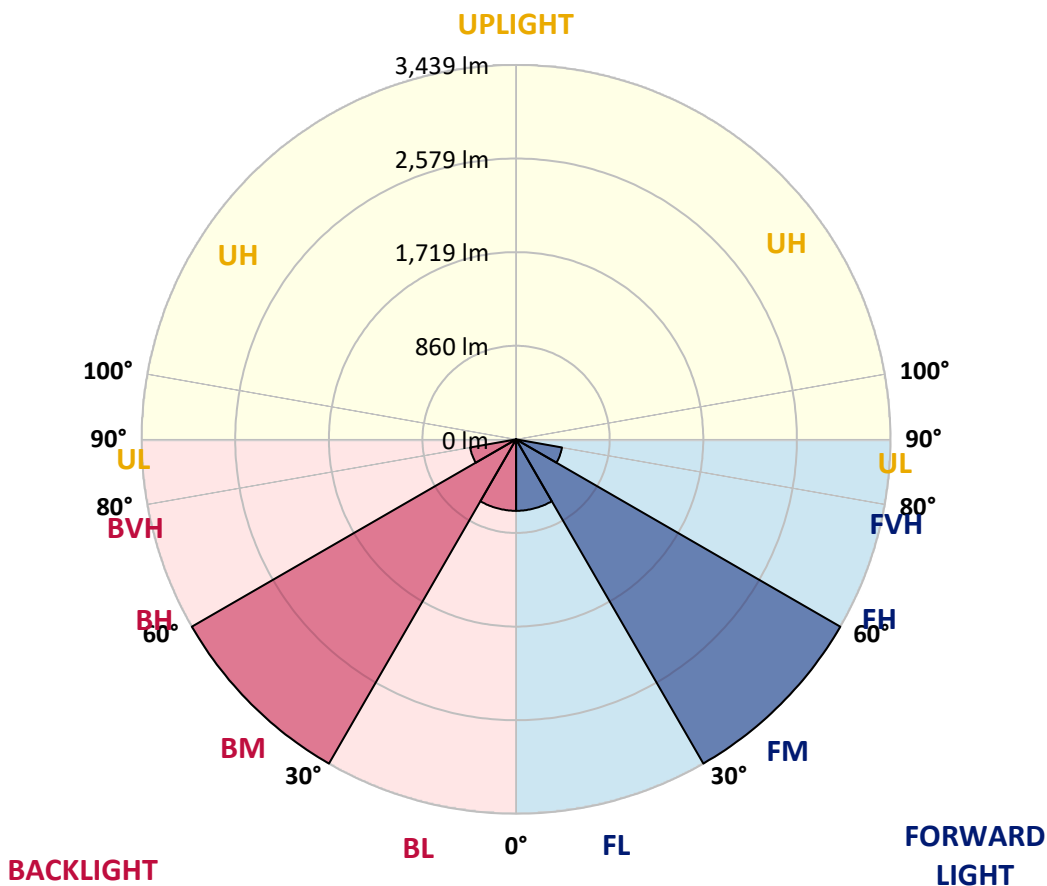
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	656.0	7.3			
FM (30°-60°)	3438.7	38.0			
FH (60°-80°)	428.2	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	656.0	7.3	B2/1000		
BM (30°-60°)	3438.7	38.0	B3/5000		
BH (60°-80°)	428.2	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°	1504.0	1504.0	1504.0	1504.0	1504.0	1504.0	1504.0	1504.0	1504.0	1504.0	1504.0
2.5°	1493.4	1492.4	1496.6	1499.8	1499.8	1507.2	1505.1	1503.0	1500.8	1497.7	1505.1
5°	1491.3	1490.2	1493.4	1495.5	1493.4	1499.8	1495.5	1491.3	1489.2	1484.9	1493.4
7.5°	1481.7	1482.8	1484.9	1487.0	1483.9	1489.2	1483.9	1477.5	1472.2	1467.9	1475.4
10°	1466.9	1467.9	1470.1	1474.3	1475.4	1482.8	1475.4	1463.7	1456.3	1449.9	1457.3
12.5°	1459.4	1460.5	1463.7	1469.0	1470.1	1479.6	1470.1	1453.1	1442.5	1435.0	1442.5
15°	1461.6	1463.7	1467.9	1474.3	1476.4	1486.0	1473.2	1451.0	1436.1	1426.5	1432.9
17.5°	1469.0	1471.1	1477.5	1488.1	1495.5	1505.1	1489.2	1460.5	1440.3	1426.5	1432.9
20°	1478.6	1481.7	1492.4	1509.3	1525.3	1542.2	1522.1	1482.8	1456.3	1439.3	1444.6
22.5°	1505.1	1508.3	1523.1	1545.4	1572.0	1593.2	1568.8	1518.9	1482.8	1460.5	1465.8
25°	1559.2	1562.4	1581.5	1610.2	1644.1	1671.7	1641.0	1578.3	1531.6	1506.2	1508.3
27.5°	1644.1	1647.3	1669.6	1709.9	1755.6	1794.9	1750.3	1677.0	1624.0	1594.2	1594.2
30°	1751.3	1755.6	1785.3	1839.4	1910.6	1962.6	1902.1	1812.9	1745.0	1704.6	1705.7
32.5°	1889.3	1885.1	1927.5	2001.8	2102.7	2171.7	2082.5	1974.2	1890.4	1834.1	1839.4
35°	2066.6	2065.5	2113.3	2214.1	2345.7	2428.5	2322.4	2182.3	2081.4	2024.1	2025.2
37.5°	2294.8	2293.7	2348.9	2458.2	2616.4	2685.4	2566.5	2424.3	2316.0	2260.8	2267.2
40°	2562.3	2555.9	2604.7	2709.8	2868.0	2912.5	2783.0	2668.4	2564.4	2529.4	2546.3
42.5°	2817.0	2803.2	2831.9	2927.4	3049.5	3055.8	2958.2	2879.6	2808.5	2780.9	2791.5
45°	3021.9	3011.2	3037.8	3093.0	3163.0	3131.2	3084.5	3060.1	3002.8	2973.0	2982.6
47.5°	3174.7	3174.7	3206.5	3240.5	3251.1	3192.7	3200.2	3200.2	3142.9	3096.2	3084.5
50°	3306.3	3315.9	3363.6	3398.7	3363.6	3289.3	3331.8	3323.3	3206.5	3113.1	3088.7
52.5°	3516.5	3526.0	3599.3	3647.0	3607.8	3534.5	3539.8	3433.7	3261.7	3151.3	3113.1
55°	3739.4	3762.7	3868.9	3996.2	3997.3	3921.9	3781.8	3594.0	3384.9	3264.9	3225.6
57.5°	3447.5	3479.3	3637.5	3944.2	4166.1	4114.1	3779.7	3449.6	3167.3	3003.8	2981.5
60°	2372.3	2427.5	2585.6	3004.9	3432.6	3452.8	3057.9	2687.5	2363.8	2162.1	2166.4
62.5°	1002.0	1058.2	1147.4	1492.4	1885.1	1909.5	1718.4	1453.1	1188.8	1043.4	1065.7
65°	235.6	251.6	278.1	412.9	598.6	626.2	577.4	450.0	332.2	281.3	286.6
67.5°	103.0	105.1	99.8	106.1	131.6	134.8	130.6	114.6	108.3	110.4	110.4
70°	72.2	73.2	69.0	65.8	62.6	58.4	60.5	66.9	72.2	76.4	75.4
72.5°	44.6	45.6	46.7	46.7	43.5	39.3	41.4	45.6	46.7	47.8	46.7
75°	22.3	23.4	25.5	26.5	25.5	24.4	24.4	25.5	25.5	24.4	24.4
77.5°	4.2	5.3	7.4	8.5	8.5	8.5	8.5	8.5	9.6	8.5	8.5
80°	1.1	1.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1
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)