

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: P636534

Luminaire Tested: GWS-SA4B-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-722-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 5610.8 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - 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

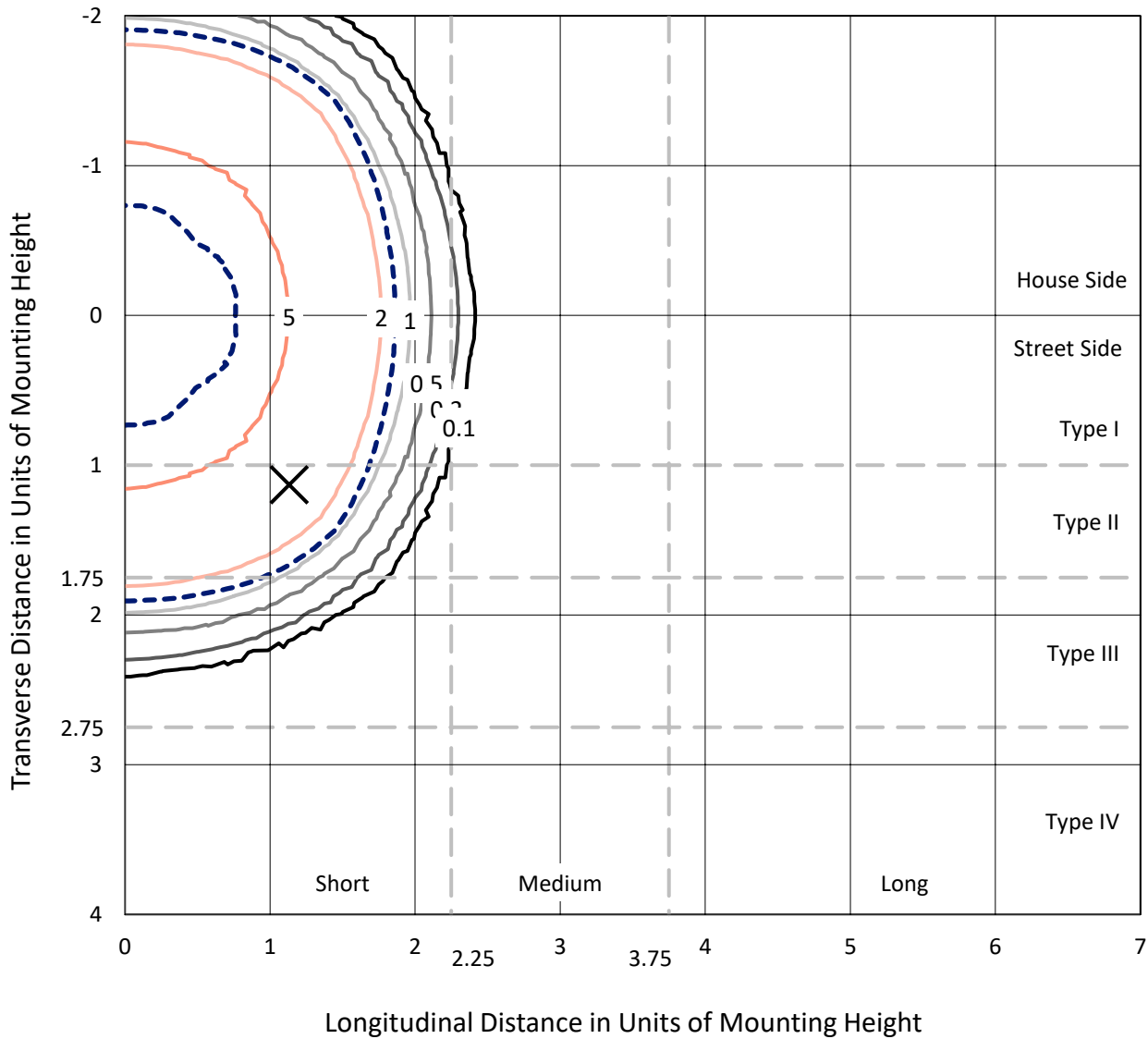


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Iso-Footcandle Lines of Horizontal Illumination

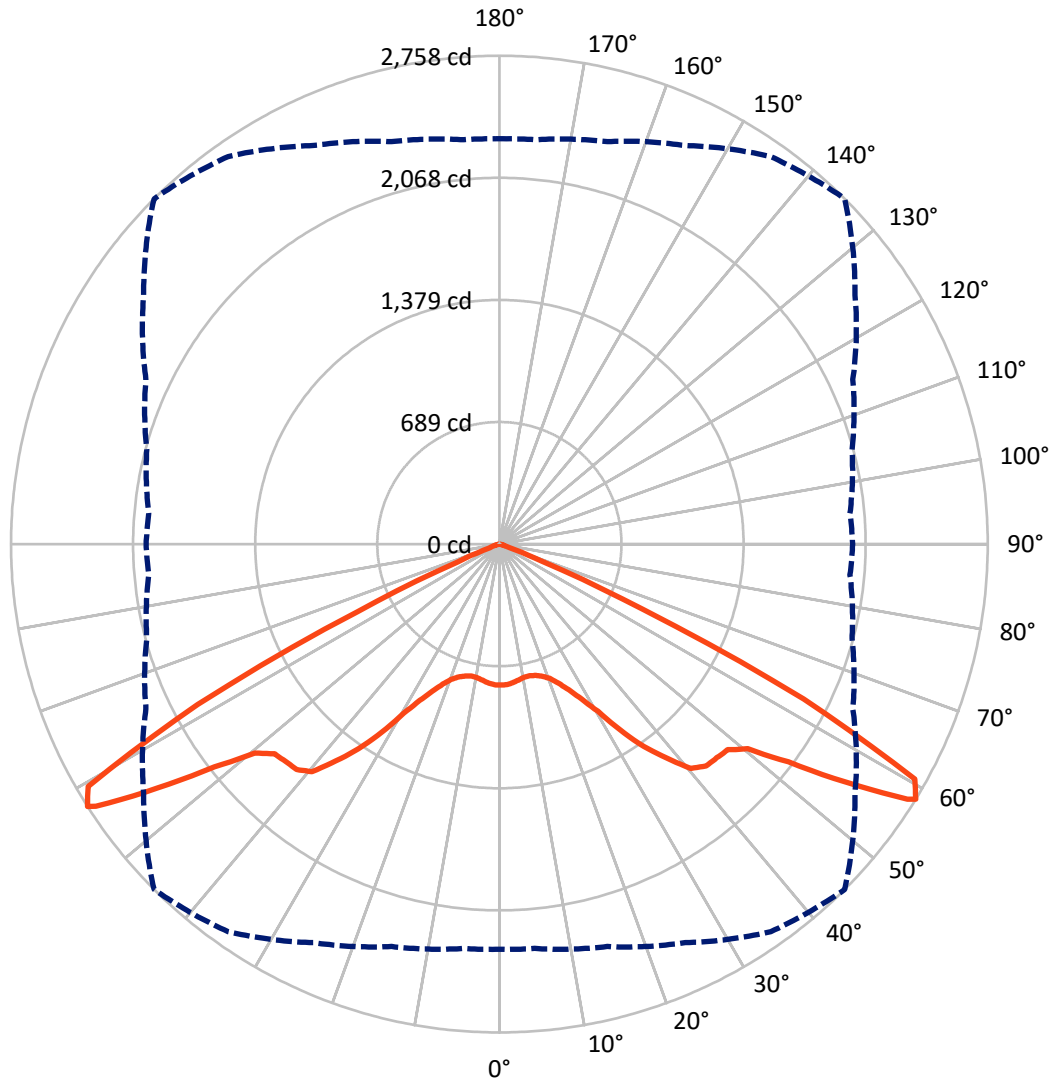
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2805.4	0.0	2805.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2805.4	0.0	2805.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5610.8	0.0	5610.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	1.3
10°-20°	219.7	3.9
20°-30°	415.4	7.4
30°-40°	819.4	14.6
40°-50°	1296.6	23.1
50°-60°	1906.0	34.0
60°-70°	850.7	15.2
70°-80°	28.5	0.5
80°-90°	0.2	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°	5610.8	100.0
0°-180°	5610.8	100.0

Coefficient of Utilization



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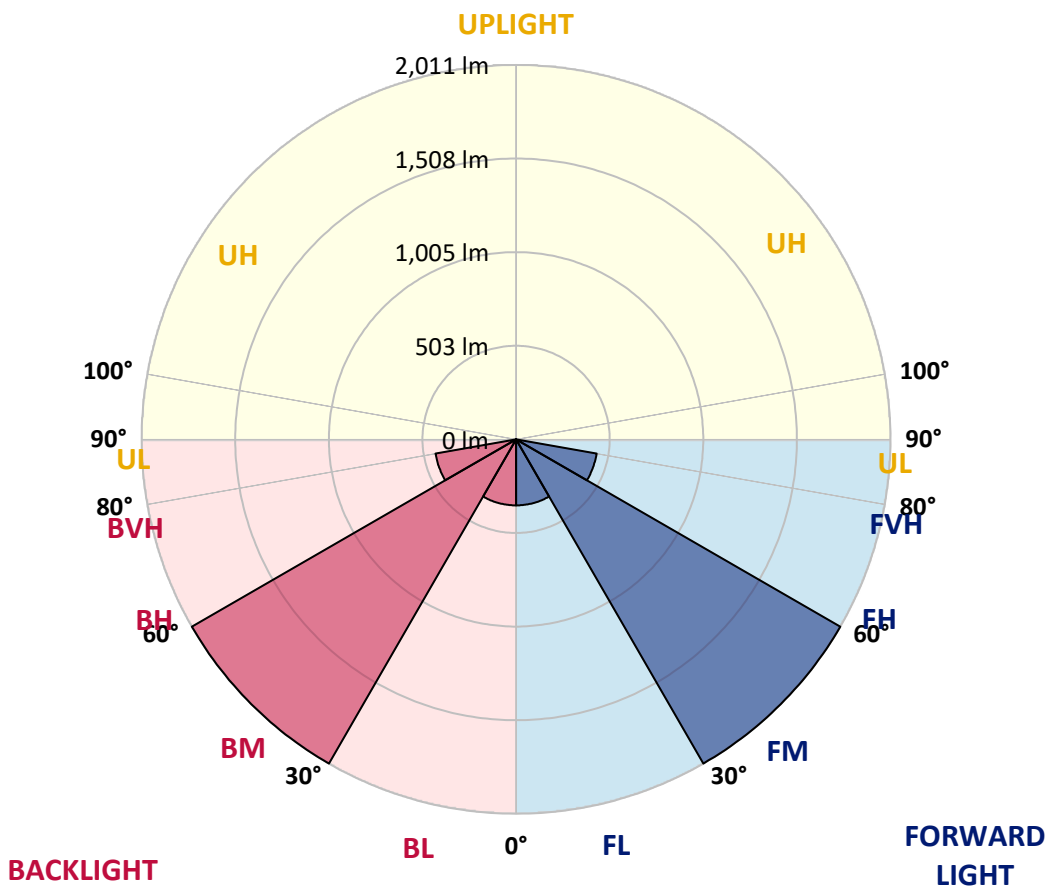
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	354.7	6.3			
FM (30°-60°)	2011.0	35.8			
FH (60°-80°)	439.6	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	354.7	6.3	B1/500		
BM (30°-60°)	2011.0	35.8	B2/2500		
BH (60°-80°)	439.6	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7
2.5°	788.0	789.6	791.1	791.9	792.6	794.9	795.7	793.4	793.4	788.8	794.2
5°	784.2	785.7	787.3	786.5	786.5	786.5	785.7	782.7	781.9	777.3	782.7
7.5°	777.3	778.9	778.9	776.6	775.0	775.0	774.3	770.5	769.7	765.1	770.5
10°	772.0	772.8	772.0	767.4	764.3	764.3	763.6	762.1	762.8	759.8	764.3
12.5°	775.0	775.8	772.8	766.6	762.8	762.1	759.8	757.5	759.8	759.0	763.6
15°	785.0	785.7	780.4	772.8	769.7	769.7	763.6	757.5	760.5	761.3	766.6
17.5°	797.2	797.2	790.3	783.5	784.2	784.2	774.3	763.6	764.3	767.4	772.8
20°	811.7	811.7	804.9	803.3	808.7	809.4	797.2	780.4	776.6	778.9	785.0
22.5°	837.7	837.7	832.4	836.2	848.4	852.2	833.9	810.2	801.0	802.6	808.7
25°	878.2	878.2	876.7	885.9	903.5	911.9	887.4	856.1	840.8	838.5	845.4
27.5°	946.3	947.0	944.7	958.5	980.7	990.6	957.0	915.7	897.3	893.5	900.4
30°	1034.2	1034.2	1034.9	1054.0	1083.1	1096.1	1051.7	1003.6	982.2	970.0	979.1
32.5°	1132.0	1133.5	1141.2	1173.3	1224.5	1251.2	1186.3	1119.0	1084.6	1071.6	1081.6
35°	1293.3	1278.8	1269.6	1293.3	1367.4	1402.6	1319.3	1240.5	1214.5	1213.0	1238.2
37.5°	1453.0	1444.6	1425.5	1450.0	1516.5	1532.5	1440.8	1375.1	1356.7	1366.7	1391.9
40°	1579.9	1564.6	1539.4	1562.3	1649.5	1665.5	1552.4	1487.4	1480.5	1502.7	1537.1
42.5°	1680.0	1658.6	1625.0	1630.4	1700.7	1712.1	1612.0	1563.1	1567.7	1595.2	1634.2
45°	1725.1	1708.3	1678.5	1676.2	1720.5	1721.3	1642.6	1617.4	1629.6	1651.0	1681.6
47.5°	1744.2	1736.6	1719.8	1716.0	1741.2	1735.1	1686.2	1675.5	1686.9	1693.0	1710.6
50°	1791.6	1791.6	1793.9	1797.0	1823.0	1816.9	1782.5	1770.2	1755.7	1734.3	1739.7
52.5°	1924.6	1930.0	1952.1	1976.6	2024.0	2043.9	1988.1	1917.0	1847.4	1800.8	1800.8
55°	2164.6	2170.0	2196.0	2237.2	2324.4	2371.8	2241.8	2085.1	1989.6	1926.2	1934.6
57.5°	2296.9	2303.0	2356.5	2468.1	2637.0	2717.3	2438.3	2205.9	2072.1	1999.5	2005.6
58°	2288.5	2292.3	2352.7	2483.4	2671.4	2757.8	2452.0	2202.1	2061.4	1987.3	1994.9
60°	2033.2	2027.8	2124.1	2310.6	2575.9	2695.1	2315.2	2010.2	1846.7	1771.0	1774.8
62.5°	1329.2	1332.3	1415.6	1610.5	1816.9	1929.2	1617.4	1390.3	1258.9	1213.0	1201.6
65°	554.9	545.0	596.2	704.7	828.6	891.2	765.9	648.2	567.1	536.6	545.0
67.5°	142.9	139.1	142.2	178.1	217.8	257.6	216.3	165.1	143.7	145.2	145.2
70°	81.0	76.4	61.9	57.3	55.8	55.8	55.8	55.8	64.2	75.7	78.0
72.5°	61.1	57.3	45.1	39.0	34.4	32.1	33.6	39.0	46.6	56.6	58.1
75°	30.6	30.6	27.5	26.0	22.9	21.4	22.2	24.5	28.3	32.1	31.3
77.5°	6.1	6.9	7.6	9.2	7.6	7.6	7.6	9.2	9.2	9.9	9.2
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)