

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: P633561

Luminaire Tested: GWS-SA2F-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8408.6 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

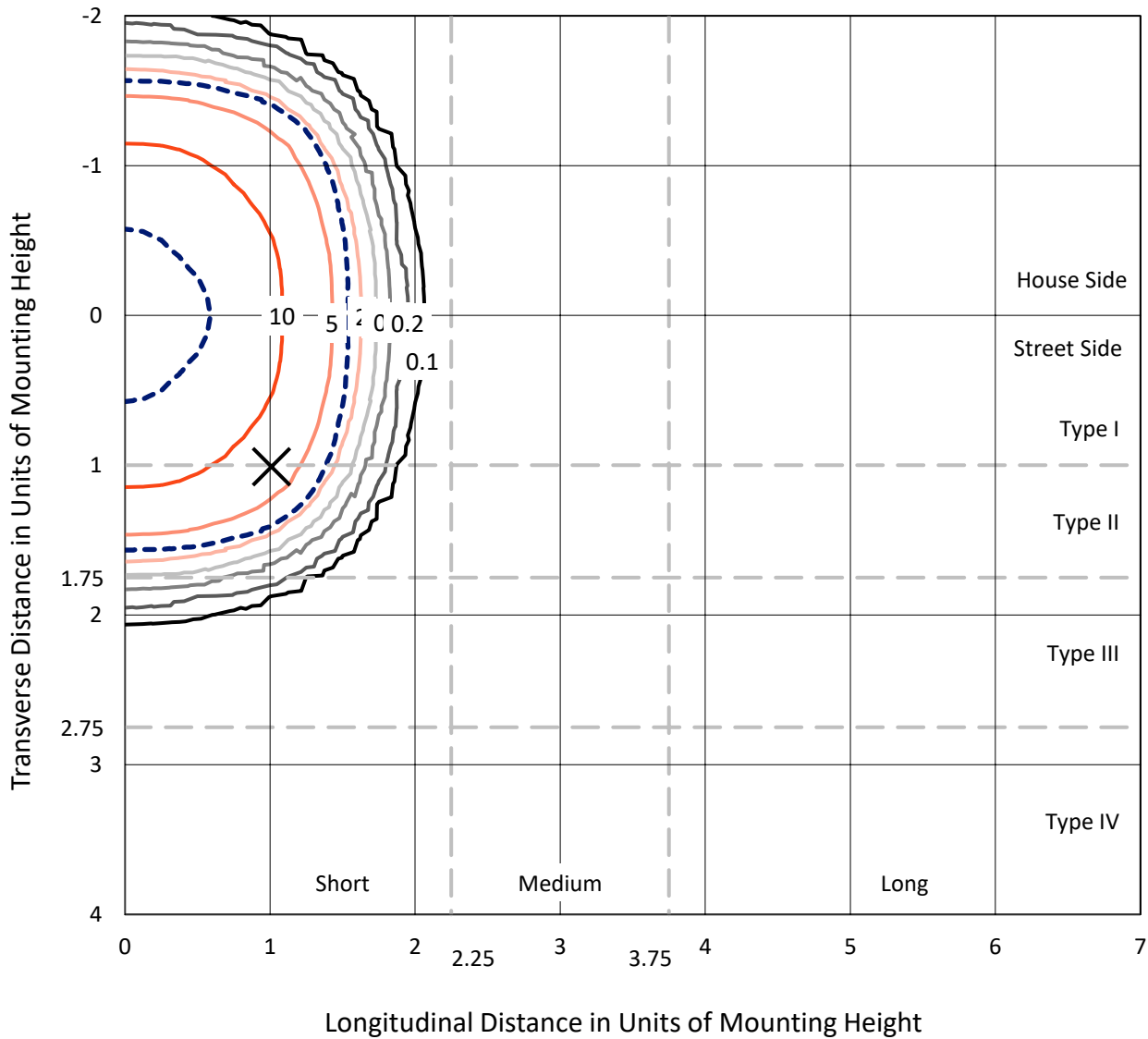
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

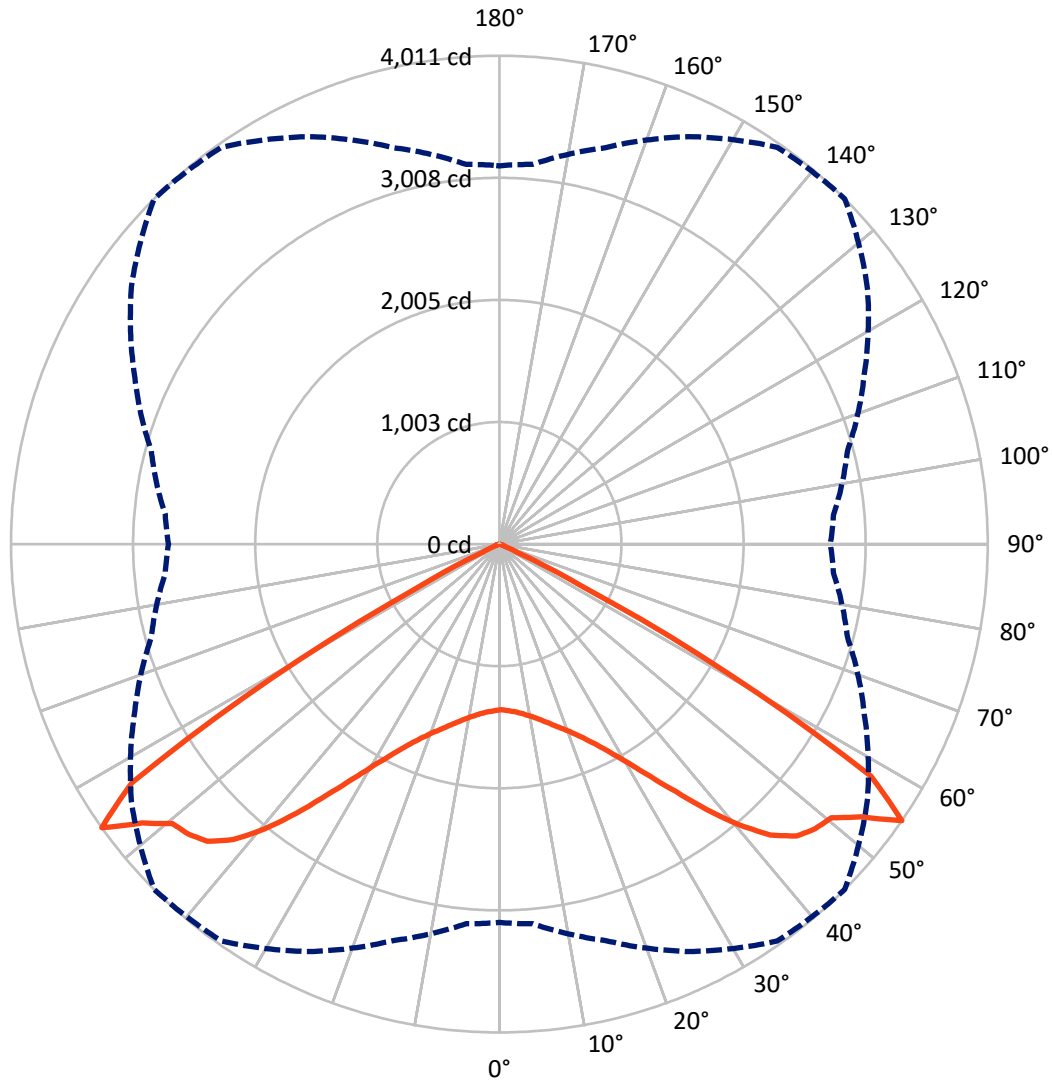
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4204.3	0.0	4204.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4204.3	0.0	4204.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8408.6	0.0	8408.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.2	1.6
10°-20°	431.8	5.1
20°-30°	836.2	9.9
30°-40°	1498.1	17.8
40°-50°	2511.7	29.9
50°-60°	2688.6	32.0
60°-70°	295.4	3.5
70°-80°	13.0	0.2
80°-90°	0.6	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°	8408.6	100.0
0°-180°	8408.6	100.0

Coefficient of Utilization



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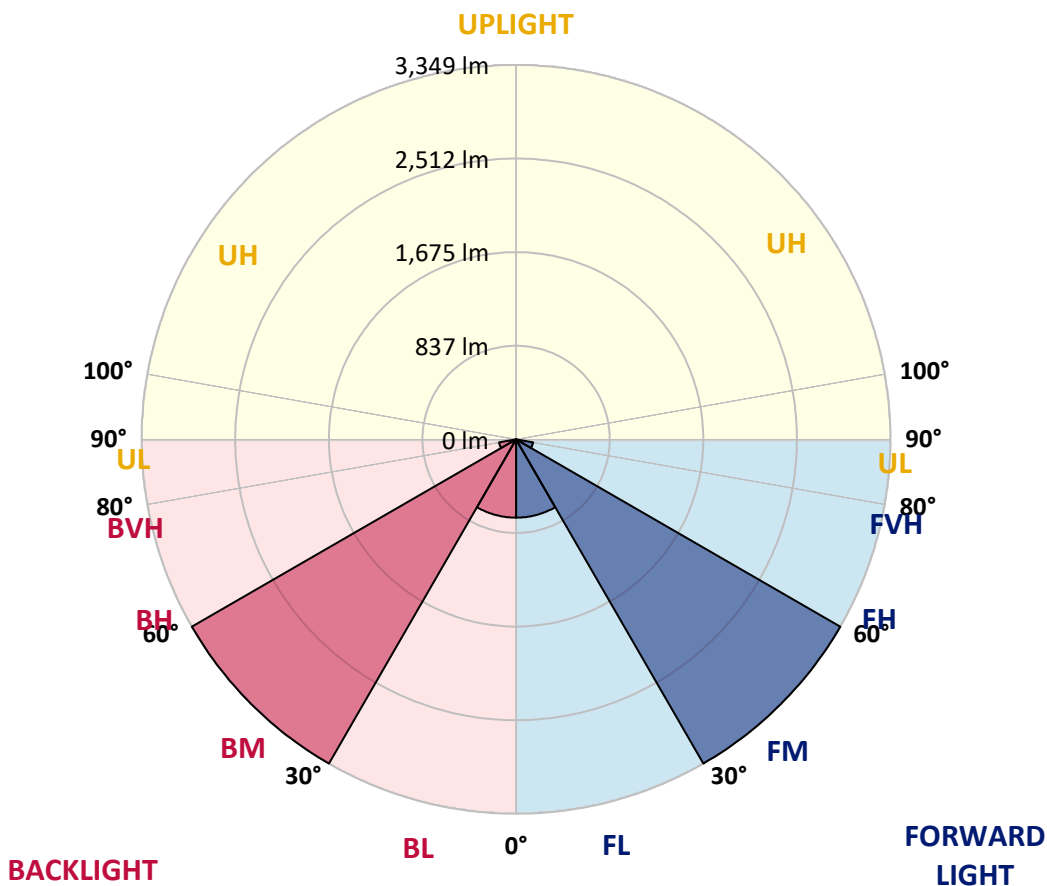
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	700.6	8.3			
FM (30°-60°)	3349.2	39.8			
FH (60°-80°)	154.2	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	700.6	8.3	B2/1000		
BM (30°-60°)	3349.2	39.8	B3/5000		
BH (60°-80°)	154.2	1.8	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°	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5
2.5°	1356.9	1356.9	1360.4	1362.9	1362.9	1369.8	1367.2	1364.6	1364.6	1361.2	1368.1
5°	1376.6	1375.8	1379.2	1380.9	1377.5	1384.4	1380.1	1377.5	1375.8	1372.4	1379.2
7.5°	1398.1	1398.9	1399.8	1403.2	1401.5	1408.3	1404.9	1399.8	1398.1	1392.9	1399.8
10°	1423.8	1423.8	1425.5	1429.8	1430.6	1439.2	1435.8	1429.8	1424.6	1419.5	1426.3
12.5°	1456.3	1457.2	1459.7	1465.7	1469.2	1478.6	1473.4	1461.5	1453.7	1447.7	1455.5
15°	1503.4	1502.6	1506.0	1514.6	1518.8	1525.7	1518.0	1501.7	1492.3	1485.4	1490.6
17.5°	1554.8	1554.8	1556.5	1565.1	1571.1	1581.4	1572.0	1552.3	1543.7	1534.3	1539.4
20°	1611.4	1613.9	1615.6	1621.6	1631.9	1642.2	1634.5	1614.8	1605.4	1593.4	1599.4
22.5°	1685.9	1683.3	1684.2	1694.5	1709.0	1719.3	1713.3	1690.2	1673.9	1664.5	1667.9
25°	1769.0	1768.1	1770.7	1786.1	1802.4	1813.5	1805.0	1775.0	1758.7	1742.4	1749.3
27.5°	1870.9	1871.8	1873.5	1892.3	1918.0	1934.3	1912.9	1882.9	1860.7	1839.2	1844.4
30°	1991.7	1990.0	1995.1	2020.8	2058.5	2084.2	2059.4	2017.4	1985.7	1965.2	1967.7
32.5°	2120.2	2121.9	2135.6	2176.8	2226.4	2271.8	2221.3	2165.6	2124.5	2086.0	2091.1
35°	2259.0	2263.3	2294.1	2354.9	2436.3	2497.1	2426.9	2335.2	2277.0	2227.3	2229.0
37.5°	2422.6	2432.9	2475.7	2566.5	2683.0	2764.4	2661.6	2540.0	2464.6	2402.9	2398.6
40°	2637.6	2649.6	2707.9	2815.8	2957.2	3031.7	2912.6	2787.5	2694.2	2627.4	2617.1
42.5°	2884.4	2899.8	2963.2	3073.7	3215.0	3265.6	3149.1	3043.7	2959.7	2880.9	2877.5
45°	3162.8	3171.3	3222.7	3307.5	3409.5	3421.5	3334.1	3275.8	3191.0	3117.4	3111.4
47.5°	3424.0	3432.6	3467.7	3511.4	3535.4	3492.6	3477.2	3451.5	3341.8	3251.0	3232.2
50°	3622.8	3629.6	3673.3	3690.5	3623.6	3532.8	3562.8	3508.0	3388.9	3287.0	3257.9
52.5°	3609.1	3626.2	3738.4	3836.1	3794.1	3720.4	3639.9	3521.7	3336.7	3197.0	3161.1
55°	3107.1	3130.2	3370.9	3692.2	3979.2	4010.9	3688.7	3307.5	2959.7	2755.0	2718.2
57.5°	1996.9	2002.9	2296.7	2747.3	3394.1	3597.9	3059.1	2493.7	2061.1	1835.8	1820.4
60°	734.2	722.2	944.0	1317.5	1954.9	2170.8	1800.7	1261.0	899.5	740.1	727.3
62.5°	176.5	178.2	221.0	331.5	613.4	759.0	599.7	335.0	213.3	179.0	177.3
65°	89.1	87.4	88.2	95.1	131.1	156.8	128.5	90.8	87.4	88.2	87.4
67.5°	57.4	56.5	58.3	59.1	58.3	54.8	54.0	55.7	55.7	56.5	54.8
70°	35.1	34.3	36.0	38.5	36.8	32.6	34.3	36.0	34.3	33.4	33.4
72.5°	18.8	18.8	20.6	22.3	20.6	18.8	18.8	19.7	18.8	18.8	18.8
75°	8.6	8.6	9.4	10.3	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	2.6	2.6	3.4	3.4	2.6	2.6	2.6	2.6	3.4	3.4	3.4
80°	0.9	1.7	1.7	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
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)