

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: P633563

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
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
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12489.6 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

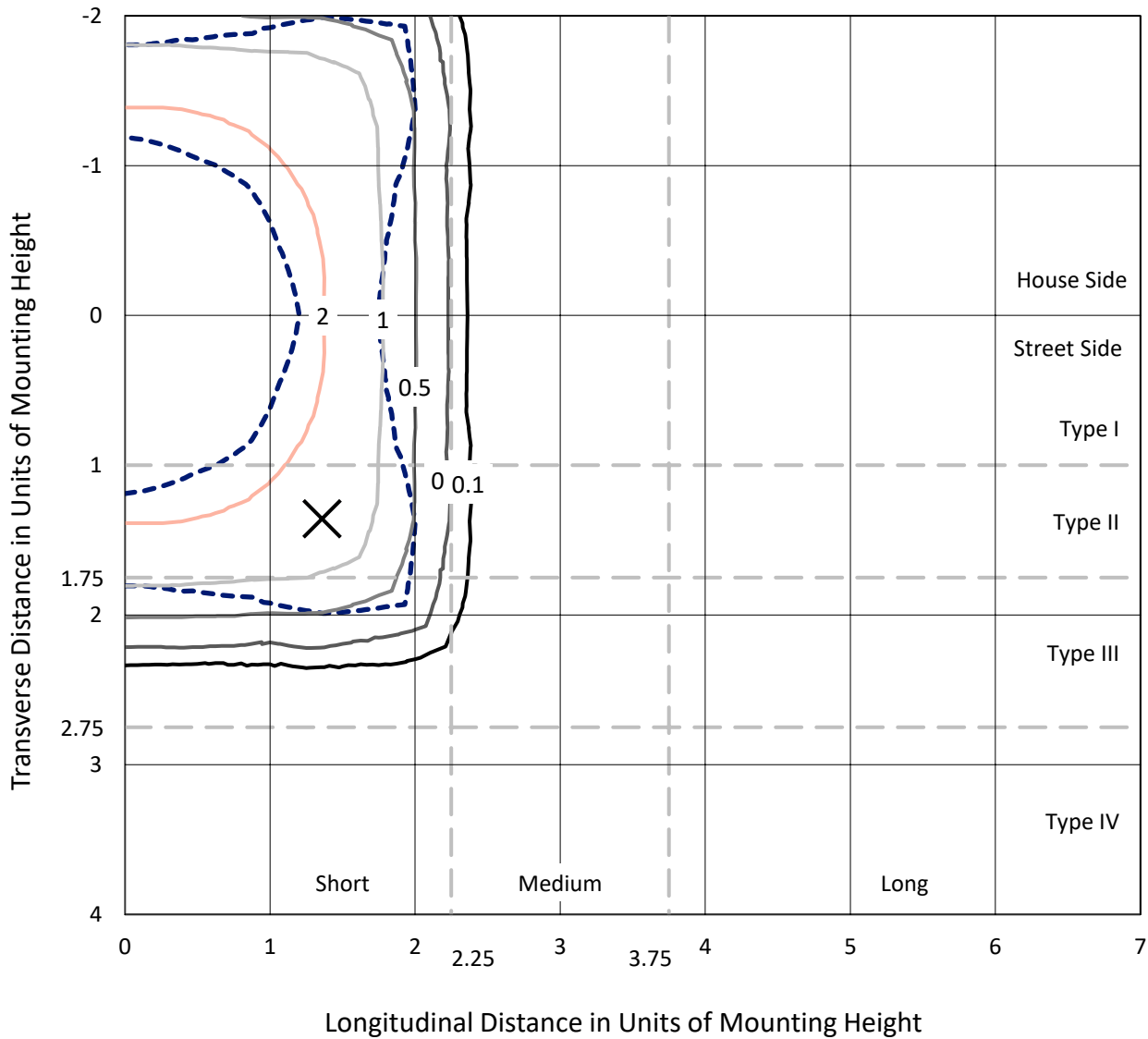
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

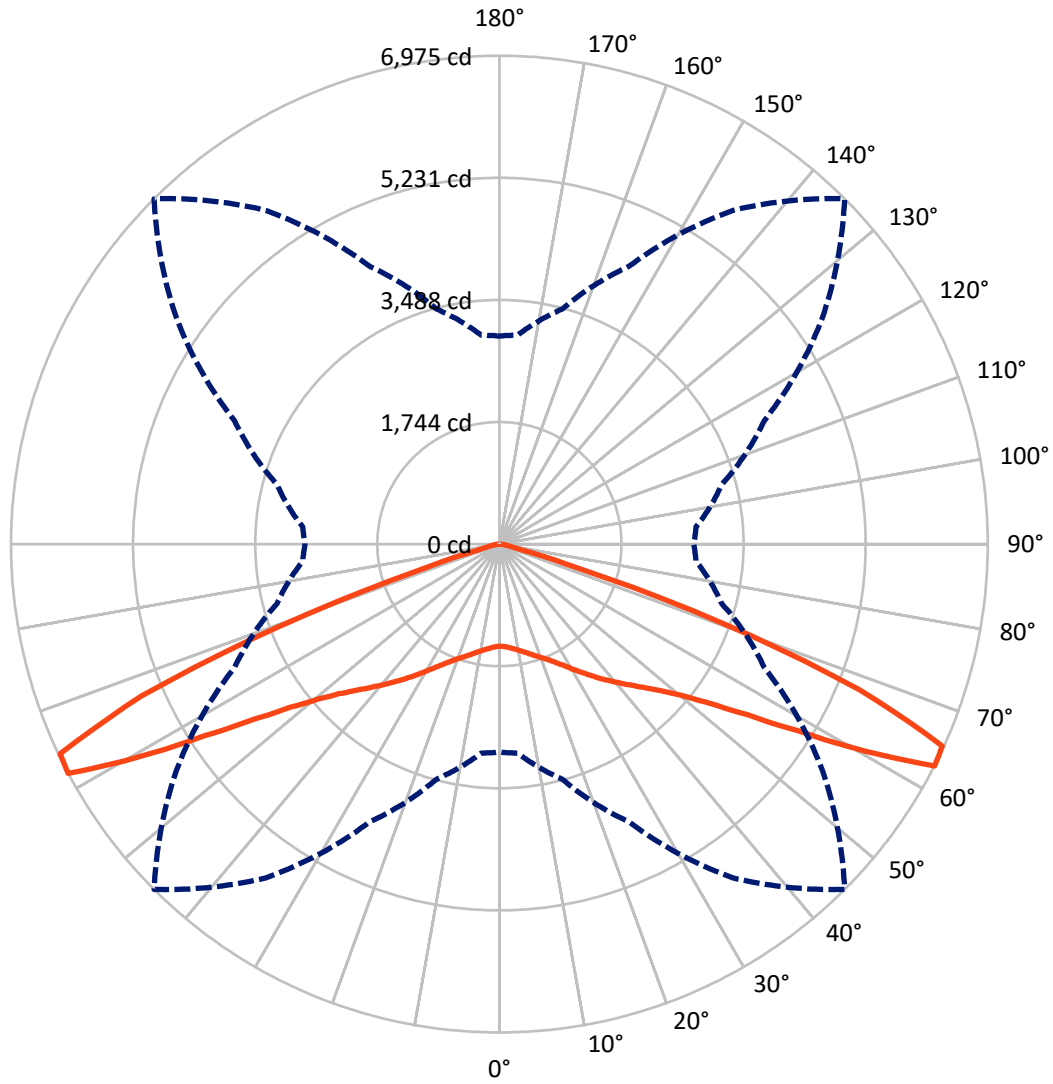
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6244.8	0.0	6244.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6244.8	0.0	6244.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	12489.6	0.0	12489.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	1.1
10°-20°	461.0	3.7
20°-30°	872.2	7.0
30°-40°	1468.0	11.8
40°-50°	2345.5	18.8
50°-60°	3780.8	30.3
60°-70°	3084.7	24.7
70°-80°	299.6	2.4
80°-90°	34.9	0.3
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°	12489.6	100.0
0°-180°	12489.6	100.0

Coefficient of Utilization



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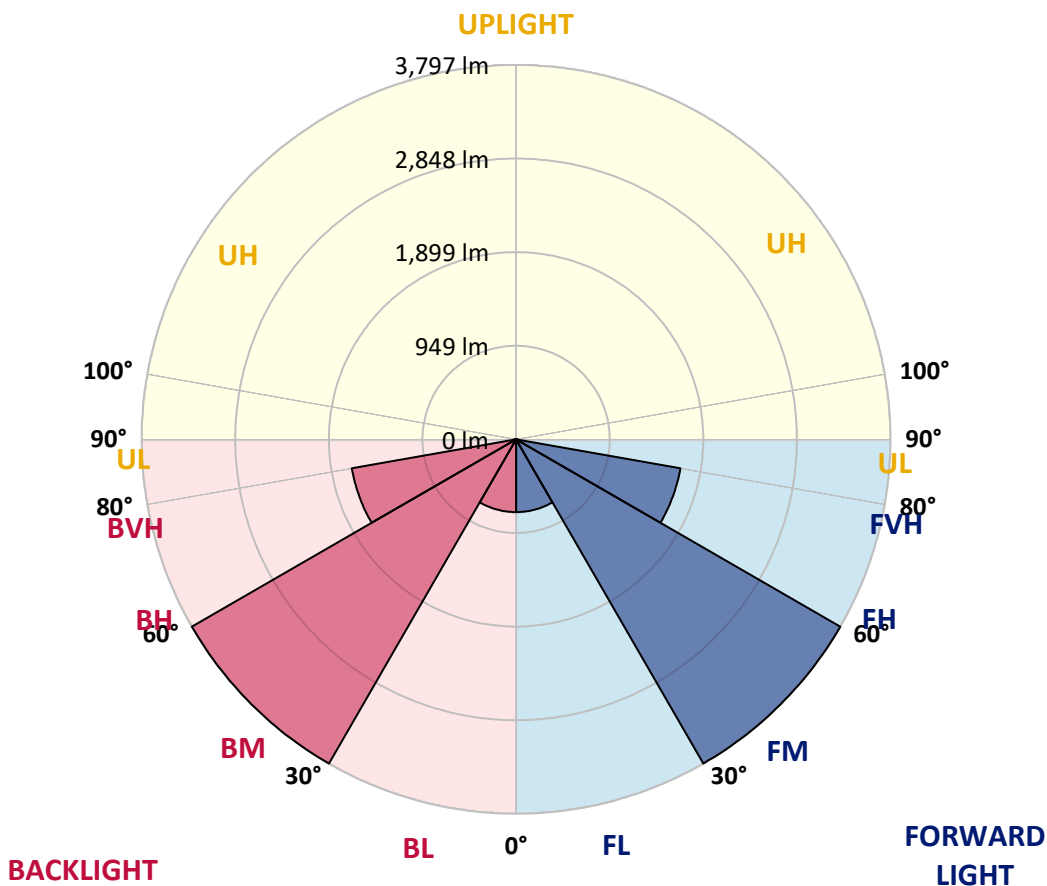
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	738.1	5.9			
FM (30°-60°)	3797.2	30.4			
FH (60°-80°)	1692.1	13.5			G1/1800
FVH (80°-90°)	17.4	0.1			G1/100
BL (0°-30°)	738.1	5.9	B2/1000		
BM (30°-60°)	3797.2	30.4	B3/5000		
BH (60°-80°)	1692.1	13.5	B3/2500		G1/1800
BVH (80°-90°)	17.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1457.1	1457.1	1457.1	1457.1	1457.1	1457.1	1457.1	1457.1	1457.1	1457.1	1457.1
2.5°	1455.4	1455.4	1458.8	1461.4	1459.7	1466.5	1465.6	1463.9	1463.1	1460.5	1468.2
5°	1475.1	1475.1	1477.6	1480.2	1475.9	1484.5	1481.1	1479.4	1478.5	1475.1	1481.9
7.5°	1497.3	1499.9	1500.8	1505.0	1502.5	1511.9	1509.3	1505.9	1504.2	1499.9	1505.9
10°	1522.2	1523.9	1524.8	1532.5	1533.3	1544.5	1541.9	1537.6	1534.2	1529.9	1538.5
12.5°	1555.6	1556.4	1559.0	1568.4	1571.0	1579.6	1578.7	1572.7	1568.4	1562.4	1571.9
15°	1598.4	1599.3	1603.6	1613.0	1617.3	1627.5	1624.1	1614.7	1608.7	1601.8	1609.6
17.5°	1643.0	1646.4	1650.7	1660.1	1666.1	1678.1	1673.8	1663.5	1658.4	1651.5	1656.7
20°	1700.4	1701.2	1703.8	1714.1	1718.3	1732.0	1732.9	1722.6	1720.1	1713.2	1720.9
22.5°	1763.7	1764.6	1767.2	1778.3	1786.0	1794.6	1799.7	1793.7	1789.4	1780.9	1790.3
25°	1834.0	1842.6	1845.1	1858.8	1867.4	1872.5	1878.5	1876.0	1870.0	1859.7	1864.0
27.5°	1932.5	1934.2	1938.5	1953.9	1959.0	1964.2	1970.2	1971.0	1962.5	1950.5	1956.5
30°	2044.7	2043.9	2053.3	2065.3	2069.6	2073.8	2082.4	2087.5	2076.4	2063.6	2069.6
32.5°	2159.5	2169.8	2181.8	2192.9	2190.3	2192.0	2205.8	2215.2	2199.8	2176.6	2181.8
35°	2288.8	2295.7	2311.1	2327.4	2324.0	2321.4	2330.0	2339.4	2318.0	2288.0	2295.7
37.5°	2421.6	2431.9	2455.0	2474.7	2469.6	2457.6	2467.0	2477.3	2456.7	2422.5	2419.0
40°	2569.8	2586.1	2619.5	2635.8	2622.1	2598.9	2615.2	2640.0	2619.5	2580.1	2570.7
42.5°	2743.7	2763.4	2796.8	2821.6	2791.7	2754.0	2781.4	2817.4	2812.2	2760.0	2743.7
45°	2958.7	2971.6	3012.7	3024.7	2980.1	2927.9	2977.5	3032.4	3019.5	2963.0	2941.6
47.5°	3192.6	3212.3	3248.2	3270.5	3198.6	3133.5	3202.8	3276.5	3262.8	3209.7	3184.8
50°	3490.7	3516.4	3563.5	3582.3	3482.9	3408.4	3497.5	3590.9	3564.3	3493.2	3460.7
52.5°	3815.3	3835.9	3916.4	3954.1	3860.7	3780.2	3858.1	3949.8	3893.3	3799.0	3755.3
55°	4101.4	4122.0	4240.2	4365.2	4361.0	4305.3	4344.7	4346.4	4193.1	4037.2	3990.9
57.5°	4163.1	4183.6	4408.9	4736.2	4967.4	5031.7	4916.0	4672.8	4286.4	4013.2	3960.9
60°	3834.2	3857.3	4215.3	4813.2	5573.9	6003.1	5470.3	4665.9	3997.8	3627.7	3578.0
62.5°	2970.7	2995.5	3476.9	4374.7	5818.9	6975.3	5631.3	4175.1	3288.5	2819.9	2776.2
65°	1418.5	1418.5	2030.1	3137.7	5330.6	6952.2	5165.3	3088.9	1979.6	1520.5	1482.8
67.5°	351.2	352.9	522.5	1221.5	3626.0	5548.2	3685.1	1482.8	697.3	493.4	480.6
70°	219.3	218.4	242.4	330.6	1268.6	3367.3	1506.8	447.1	283.5	250.1	248.4
72.5°	170.5	170.5	182.5	211.6	332.4	1147.0	439.4	248.4	205.6	185.0	185.0
75°	134.5	134.5	143.1	158.5	196.2	295.5	233.9	184.2	159.3	145.6	143.9
77.5°	100.2	101.9	108.8	119.1	133.6	166.2	148.2	138.8	124.2	113.9	110.5
80°	65.1	67.7	76.2	82.2	87.4	109.6	96.8	101.1	94.2	82.2	80.5
82.5°	35.1	36.0	46.3	48.0	49.7	60.0	61.7	64.2	66.8	52.3	48.8
85°	12.8	12.8	15.4	18.0	19.7	21.4	29.1	36.0	37.7	30.0	29.1
87.5°	2.6	2.6	2.6	1.7	1.7	1.7	5.1	9.4	15.4	12.0	12.0
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)