

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: P634001

Luminaire Tested: GWS-SA2F-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634001
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9068.4 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

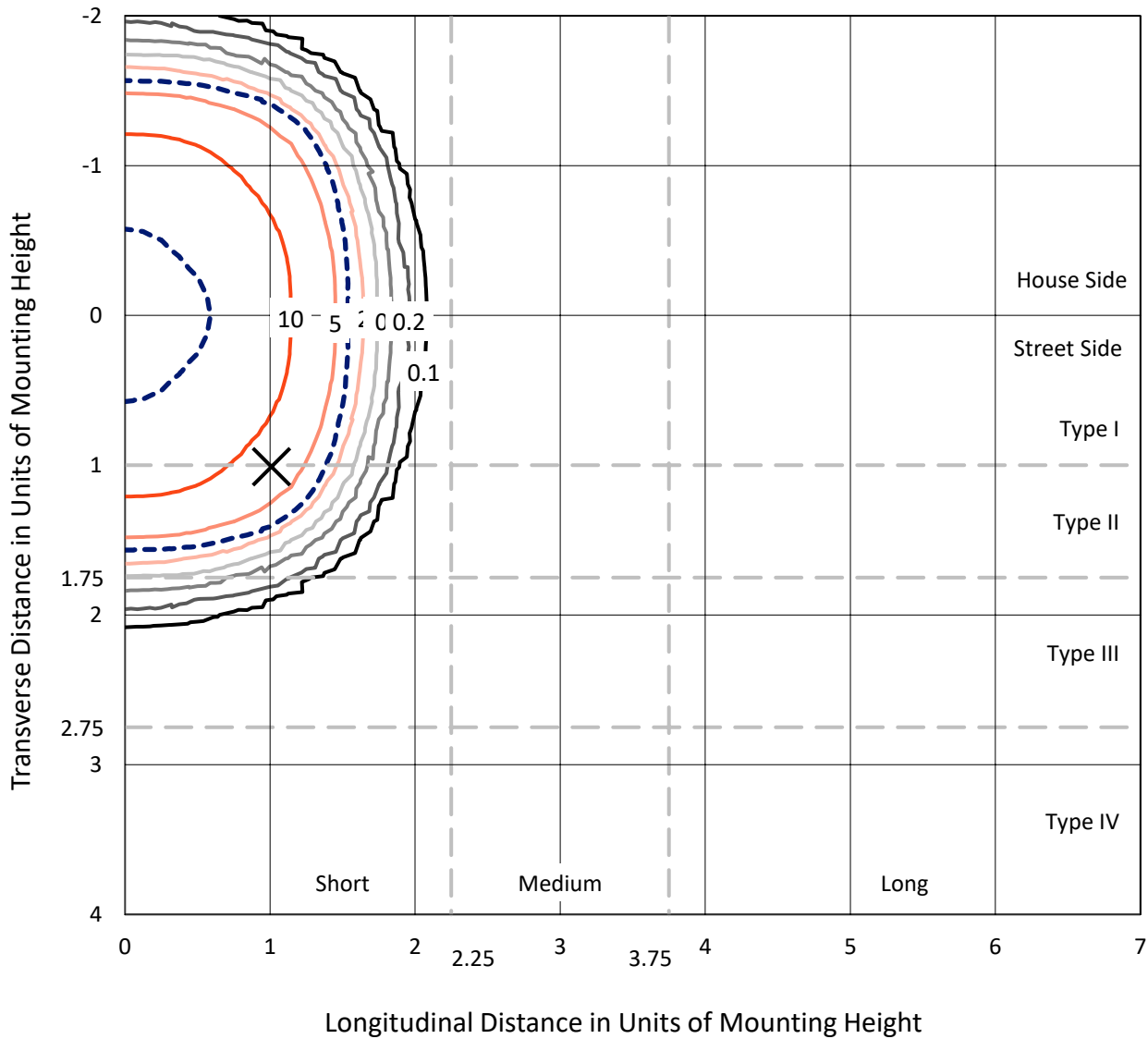
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

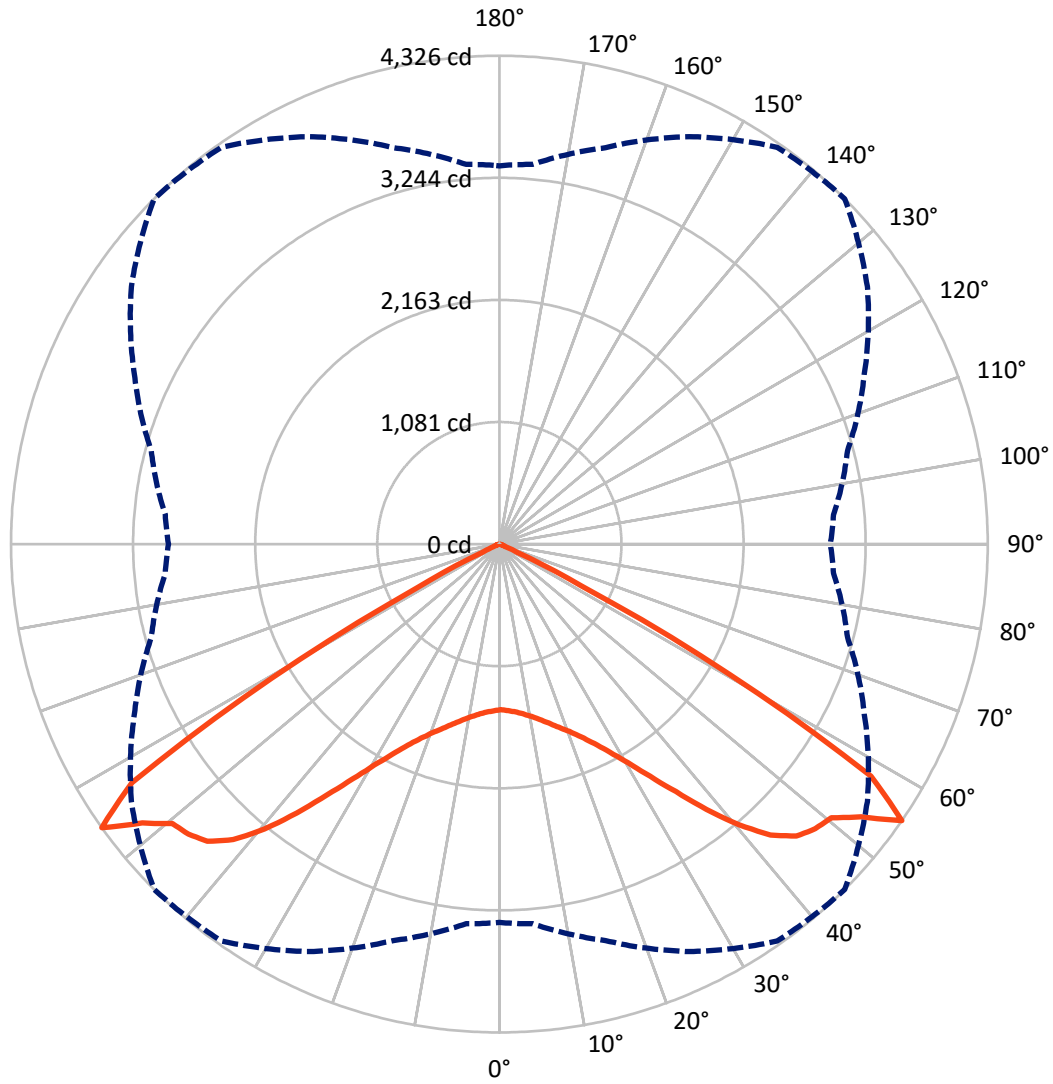
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.8 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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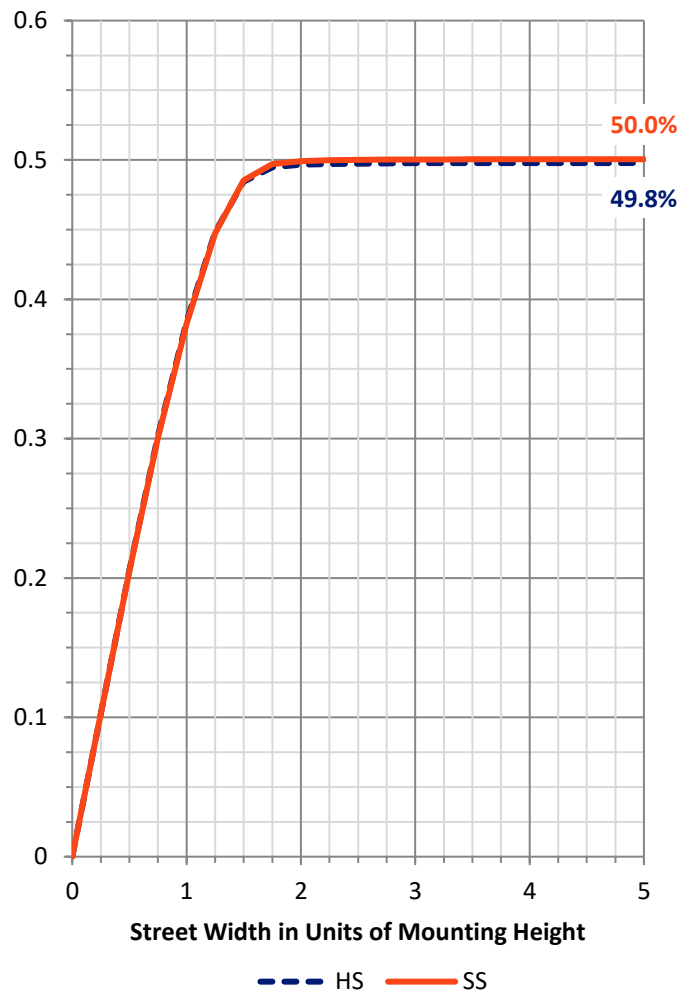
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4534.2	0.0	4534.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4534.2	0.0	4534.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9068.4	0.0	9068.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.7	1.6
10°-20°	465.7	5.1
20°-30°	901.8	9.9
30°-40°	1615.6	17.8
40°-50°	2708.7	29.9
50°-60°	2899.6	32.0
60°-70°	318.6	3.5
70°-80°	14.0	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°	9068.4	100.0
0°-180°	9068.4	100.0

Coefficient of Utilization



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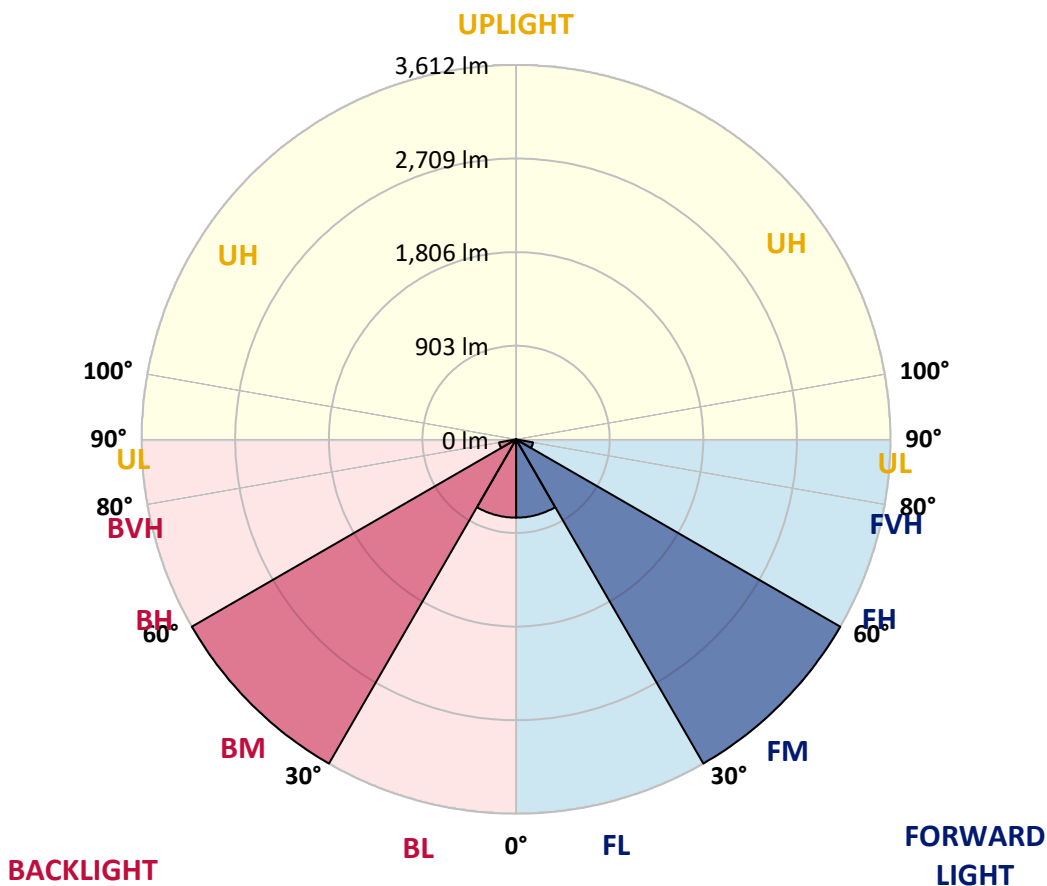
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	755.6	8.3			
FM (30°-60°)	3612.0	39.8			
FH (60°-80°)	166.3	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	755.6	8.3	B2/1000		
BM (30°-60°)	3612.0	39.8	B3/5000		
BH (60°-80°)	166.3	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°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1463.4	1463.4	1467.1	1469.9	1469.9	1477.3	1474.5	1471.7	1471.7	1468.0	1475.4
5°	1484.7	1483.7	1487.4	1489.3	1485.6	1493.0	1488.4	1485.6	1483.7	1480.0	1487.4
7.5°	1507.8	1508.7	1509.6	1513.3	1511.5	1518.8	1515.2	1509.6	1507.8	1502.2	1509.6
10°	1535.5	1535.5	1537.3	1541.9	1542.9	1552.1	1548.4	1541.9	1536.4	1530.9	1538.2
12.5°	1570.6	1571.5	1574.3	1580.7	1584.4	1594.6	1589.1	1576.1	1567.8	1561.3	1569.7
15°	1621.4	1620.5	1624.2	1633.4	1638.0	1645.4	1637.1	1619.5	1609.4	1602.0	1607.5
17.5°	1676.8	1676.8	1678.7	1687.9	1694.4	1705.5	1695.3	1674.1	1664.8	1654.7	1660.2
20°	1737.8	1740.6	1742.4	1748.9	1760.0	1771.1	1762.7	1741.5	1731.3	1718.4	1724.9
22.5°	1818.2	1815.4	1816.3	1827.4	1843.1	1854.2	1847.7	1822.8	1805.2	1795.1	1798.8
25°	1907.8	1906.9	1909.6	1926.3	1943.8	1955.8	1946.6	1914.3	1896.7	1879.2	1886.5
27.5°	2017.7	2018.7	2020.5	2040.8	2068.6	2086.1	2063.0	2030.7	2006.7	1983.6	1989.1
30°	2148.0	2146.2	2151.7	2179.4	2220.1	2247.8	2221.0	2175.7	2141.5	2119.4	2122.1
32.5°	2286.6	2288.4	2303.2	2347.6	2401.1	2450.1	2395.6	2335.5	2291.2	2249.6	2255.2
35°	2436.3	2440.9	2474.1	2539.7	2627.5	2693.1	2617.3	2518.5	2455.7	2402.1	2403.9
37.5°	2612.7	2623.8	2670.0	2767.9	2893.6	2981.3	2870.5	2739.3	2658.0	2591.5	2586.8
40°	2844.6	2857.5	2920.4	3036.8	3189.2	3269.6	3141.2	3006.3	2905.6	2833.5	2822.4
42.5°	3110.7	3127.3	3195.7	3314.9	3467.3	3521.8	3396.2	3282.5	3192.0	3107.0	3103.3
45°	3410.9	3420.2	3475.6	3567.1	3677.0	3689.9	3595.7	3532.9	3441.4	3362.0	3355.5
47.5°	3692.7	3702.0	3739.8	3787.0	3812.8	3766.6	3750.0	3722.3	3604.0	3506.1	3485.8
50°	3907.1	3914.4	3961.6	3980.0	3908.0	3810.0	3842.4	3783.3	3654.8	3544.9	3513.5
52.5°	3892.3	3910.8	4031.8	4137.1	4091.8	4012.4	3925.5	3798.0	3598.5	3447.9	3409.1
55°	3350.9	3375.8	3635.4	3981.9	4291.4	4325.6	3978.2	3567.1	3192.0	2971.2	2931.4
57.5°	2153.5	2160.0	2476.9	2962.9	3660.4	3880.3	3299.1	2689.4	2222.8	1979.9	1963.2
60°	791.8	778.8	1018.1	1420.9	2108.3	2341.1	1942.0	1359.9	970.1	798.2	784.4
62.5°	190.3	192.2	238.4	357.5	661.5	818.6	646.7	361.2	230.0	193.1	191.2
65°	96.1	94.2	95.2	102.5	141.4	169.1	138.6	97.9	94.2	95.2	94.2
67.5°	61.9	61.0	62.8	63.7	62.8	59.1	58.2	60.1	60.1	61.0	59.1
70°	37.9	37.0	38.8	41.6	39.7	35.1	37.0	38.8	37.0	36.0	36.0
72.5°	20.3	20.3	22.2	24.0	22.2	20.3	20.3	21.2	20.3	20.3	20.3
75°	9.2	9.2	10.2	11.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2
77.5°	2.8	2.8	3.7	3.7	2.8	2.8	2.8	2.8	3.7	3.7	3.7
80°	0.9	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
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)