

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: P634003

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634003
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-830-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13469.5 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

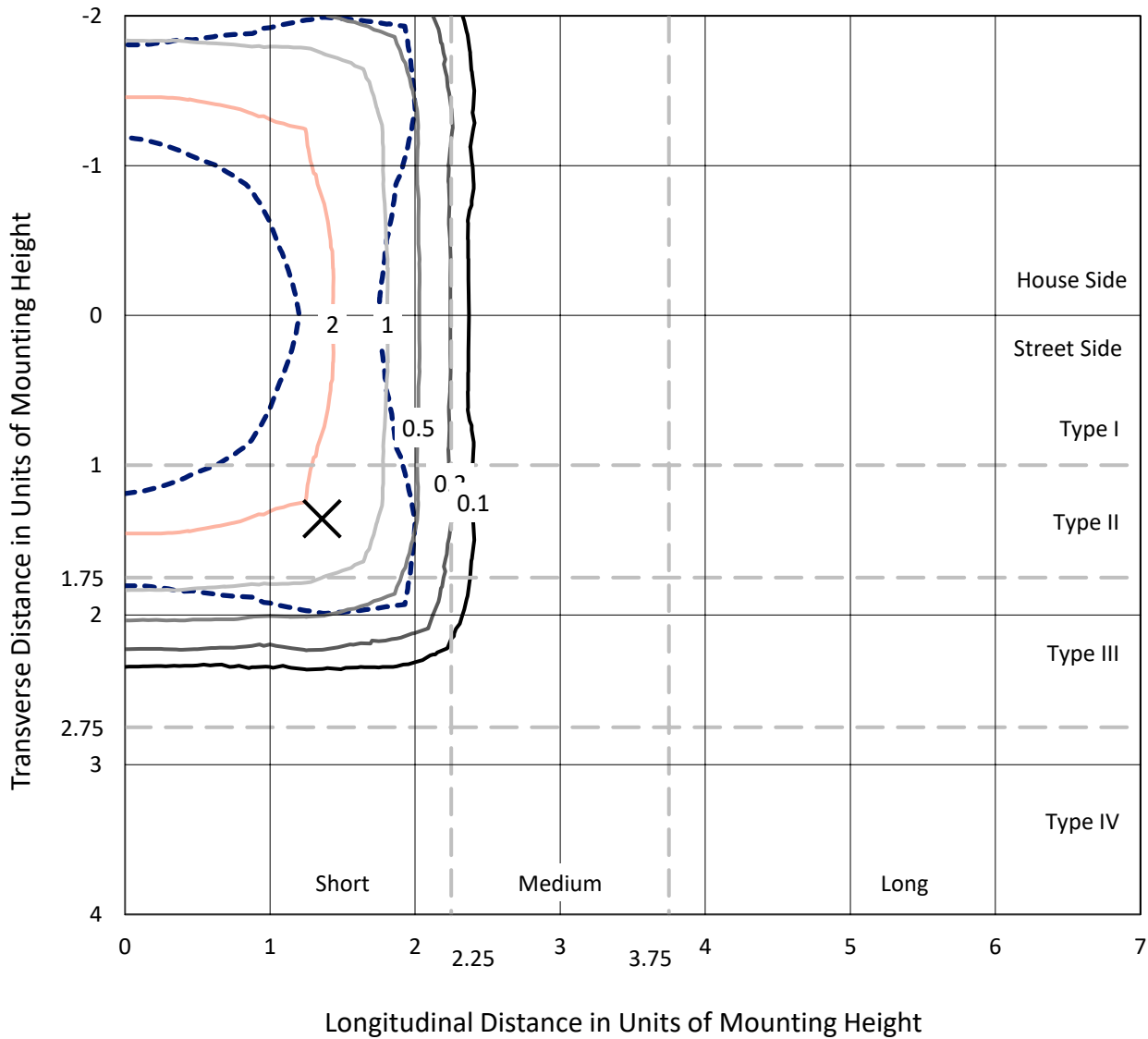
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634003
 CATALOG NUMBER: GWS-SA2F-830-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

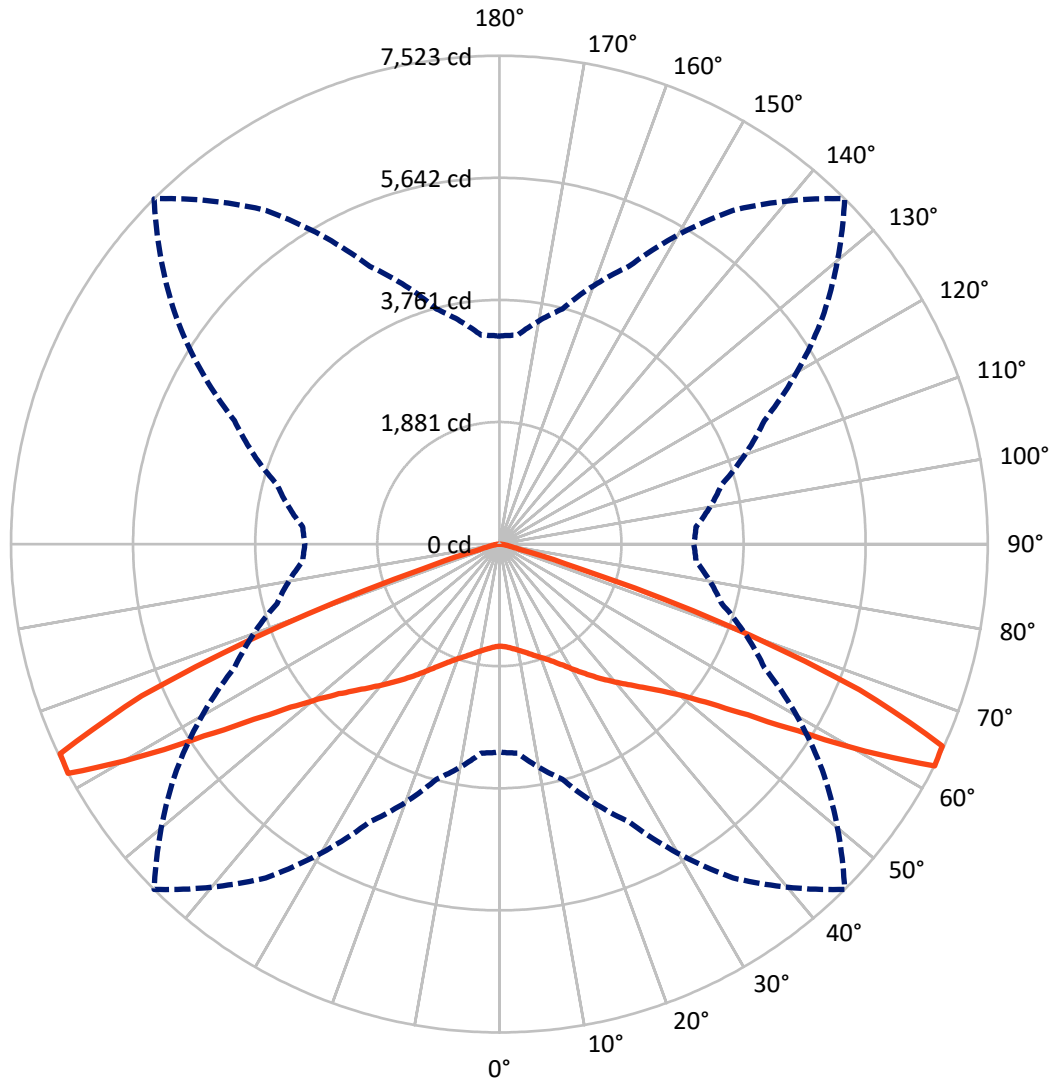
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

REPORT NUMBER: P634003
CATALOG NUMBER: GWS-SA2F-830-U-5NQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634003

CATALOG NUMBER: GWS-SA2F-830-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6734.7	0.0	6734.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6734.7	0.0	6734.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	13469.5	0.0	13469.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.2	1.1
10°-20°	497.2	3.7
20°-30°	940.6	7.0
30°-40°	1583.2	11.8
40°-50°	2529.5	18.8
50°-60°	4077.4	30.3
60°-70°	3326.7	24.7
70°-80°	323.0	2.4
80°-90°	37.6	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°	13469.5	100.0
0°-180°	13469.5	100.0

Coefficient of Utilization



REPORT NUMBER: P634003

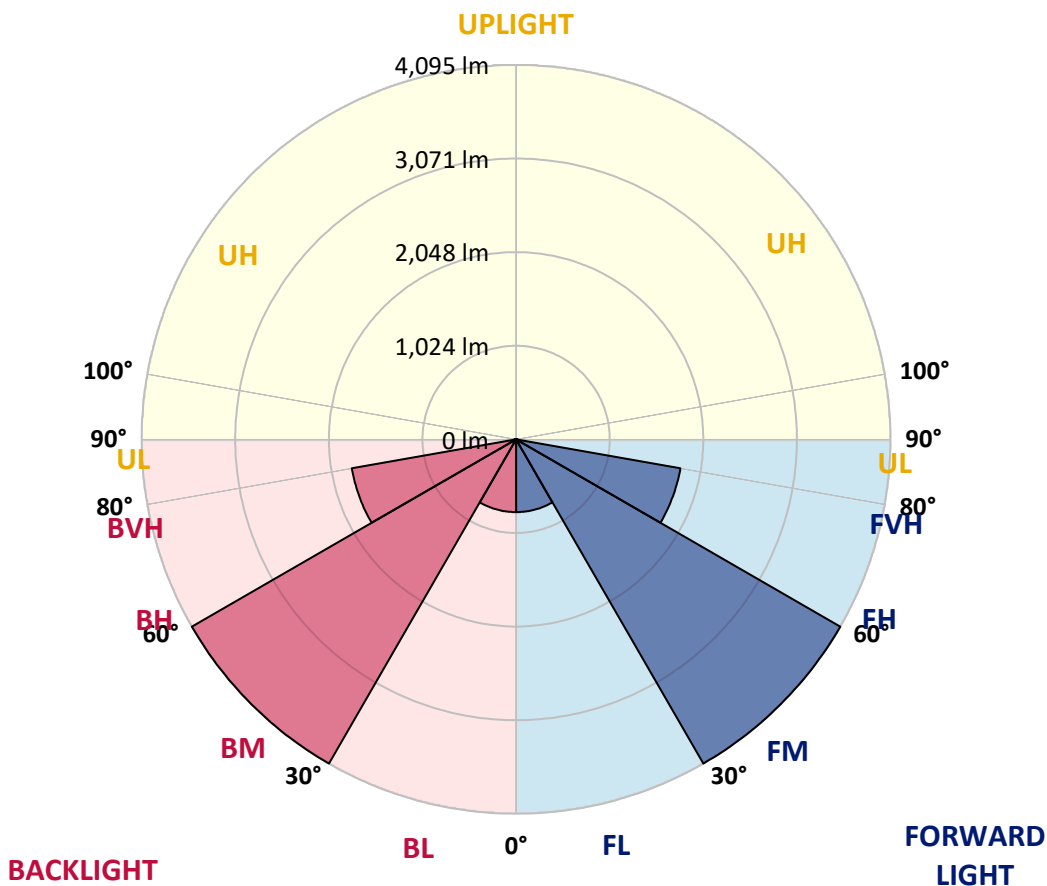
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	796.0	5.9			
FM (30°-60°)	4095.1	30.4			
FH (60°-80°)	1824.9	13.5			G2/5000
FVH (80°-90°)	18.8	0.1			G1/100
BL (0°-30°)	796.0	5.9	B2/1000		
BM (30°-60°)	4095.1	30.4	B3/5000		
BH (60°-80°)	1824.9	13.5	B3/2500		G2/5000
BVH (80°-90°)	18.8	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1571.4	1571.4	1571.4	1571.4	1571.4	1571.4	1571.4	1571.4	1571.4	1571.4	1571.4
2.5°	1569.6	1569.6	1573.2	1576.0	1574.2	1581.6	1580.6	1578.8	1577.9	1575.1	1583.4
5°	1590.8	1590.8	1593.6	1596.3	1591.7	1601.0	1597.3	1595.4	1594.5	1590.8	1598.2
7.5°	1614.8	1617.6	1618.5	1623.1	1620.4	1630.5	1627.8	1624.1	1622.2	1617.6	1624.1
10°	1641.6	1643.5	1644.4	1652.7	1653.6	1665.6	1662.9	1658.2	1654.5	1649.9	1659.2
12.5°	1677.6	1678.6	1681.3	1691.5	1694.3	1703.5	1702.6	1696.1	1691.5	1685.0	1695.2
15°	1723.8	1724.8	1729.4	1739.5	1744.2	1755.2	1751.5	1741.4	1734.9	1727.5	1735.8
17.5°	1771.9	1775.6	1780.2	1790.3	1796.8	1809.7	1805.1	1794.0	1788.5	1781.1	1786.6
20°	1833.8	1834.7	1837.5	1848.5	1853.2	1867.9	1868.9	1857.8	1855.0	1847.6	1855.9
22.5°	1902.1	1903.0	1905.8	1917.8	1926.1	1935.4	1940.9	1934.5	1929.8	1920.6	1930.8
25°	1977.9	1987.1	1989.9	2004.7	2013.9	2019.4	2025.9	2023.1	2016.7	2005.6	2010.2
27.5°	2084.1	2086.0	2090.6	2107.2	2112.8	2118.3	2124.8	2125.7	2116.4	2103.5	2110.0
30°	2205.1	2204.2	2214.4	2227.3	2231.9	2236.5	2245.8	2251.3	2239.3	2225.5	2231.9
32.5°	2328.9	2340.0	2352.9	2365.0	2362.2	2364.0	2378.8	2389.0	2372.3	2347.4	2352.9
35°	2468.4	2475.8	2492.4	2510.0	2506.3	2503.5	2512.8	2522.9	2499.8	2467.5	2475.8
37.5°	2611.6	2622.7	2647.6	2668.9	2663.3	2650.4	2660.6	2671.7	2649.5	2612.5	2608.8
40°	2771.4	2789.0	2825.0	2842.6	2827.8	2802.8	2820.4	2847.2	2825.0	2782.5	2772.4
42.5°	2959.0	2980.2	3016.2	3043.0	3010.7	2970.0	2999.6	3038.4	3032.9	2976.5	2959.0
45°	3190.8	3204.7	3249.0	3262.0	3213.9	3157.6	3211.2	3270.3	3256.4	3195.5	3172.4
47.5°	3443.0	3464.3	3503.1	3527.1	3449.5	3379.3	3454.1	3533.6	3518.8	3461.5	3434.7
50°	3764.5	3792.2	3843.0	3863.4	3756.2	3675.8	3771.9	3872.6	3844.0	3767.3	3732.2
52.5°	4114.6	4136.8	4223.7	4264.3	4163.6	4076.8	4160.8	4259.7	4198.7	4097.1	4050.0
55°	4423.2	4445.4	4572.9	4707.7	4703.1	4643.1	4685.6	4687.4	4522.0	4353.9	4304.0
57.5°	4489.7	4511.9	4754.8	5107.7	5357.2	5426.5	5301.7	5039.4	4622.7	4328.0	4271.7
60°	4135.0	4159.9	4546.1	5190.9	6011.2	6474.1	5899.4	5032.0	4311.4	3912.3	3858.7
62.5°	3203.8	3230.6	3749.7	4717.9	6275.4	7522.6	6073.1	4502.6	3546.5	3041.2	2994.1
65°	1529.8	1529.8	2189.4	3383.9	5748.9	7497.6	5570.6	3331.3	2134.9	1639.8	1599.1
67.5°	378.8	380.6	563.5	1317.4	3910.5	5983.5	3974.2	1599.1	752.0	532.1	518.3
70°	236.5	235.6	261.4	356.6	1368.2	3631.5	1625.0	482.2	305.8	269.8	267.9
72.5°	183.8	183.8	196.8	228.2	358.4	1237.0	473.9	267.9	221.7	199.5	199.5
75°	145.0	145.0	154.3	170.9	211.6	318.7	252.2	198.6	171.8	157.0	155.2
77.5°	108.1	109.9	117.3	128.4	144.1	179.2	159.8	149.7	134.0	122.9	119.2
80°	70.2	73.0	82.2	88.7	94.2	118.2	104.4	109.0	101.6	88.7	86.8
82.5°	37.9	38.8	49.9	51.7	53.6	64.7	66.5	69.3	72.1	56.4	52.7
85°	13.9	13.9	16.6	19.4	21.2	23.1	31.4	38.8	40.6	32.3	31.4
87.5°	2.8	2.8	2.8	1.8	1.8	1.8	5.5	10.2	16.6	12.9	12.9
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)