

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: P634993

Luminaire Tested: GWS-SA3C-830-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634993
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-SA3C-830-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11582.2 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

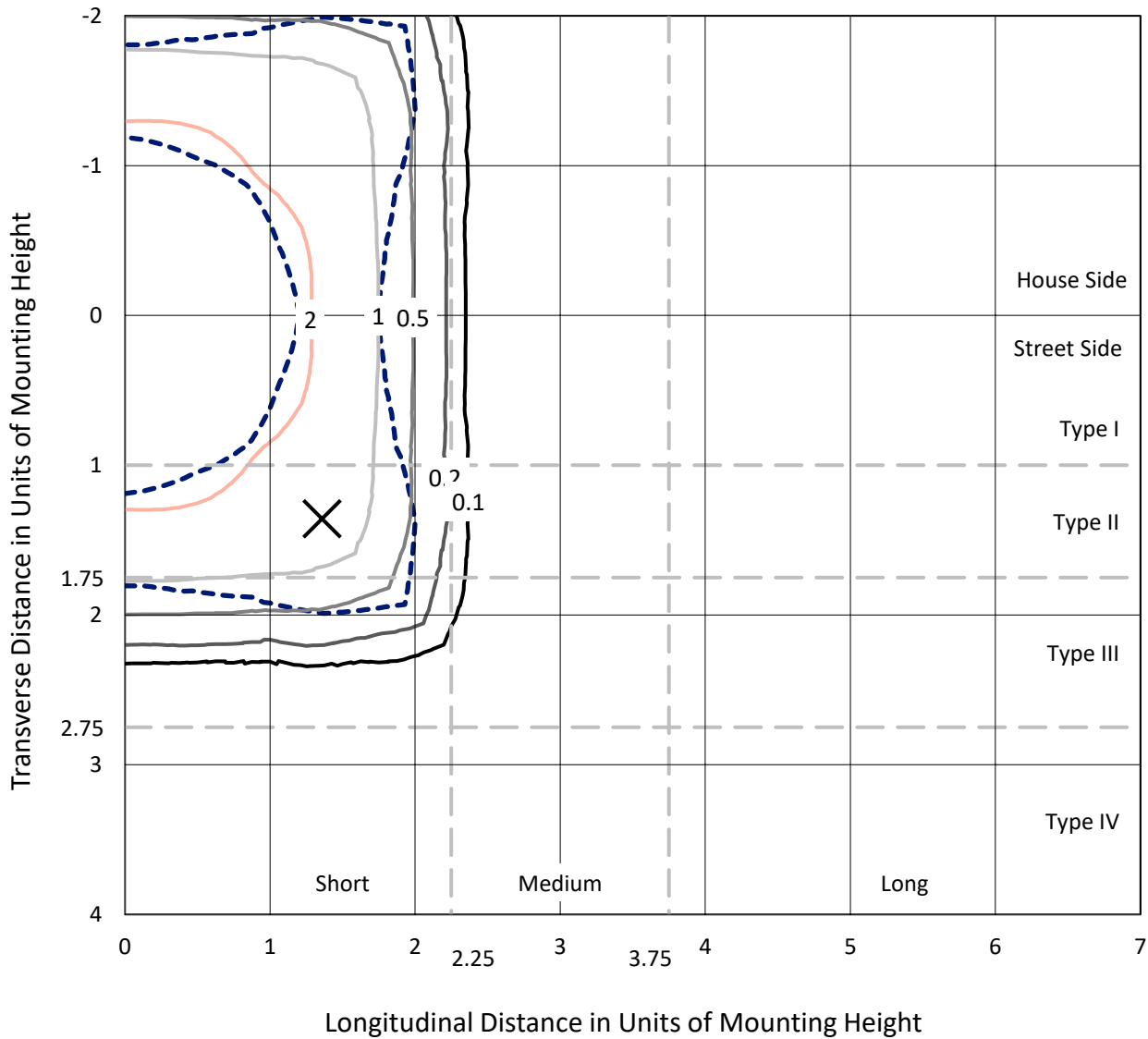
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

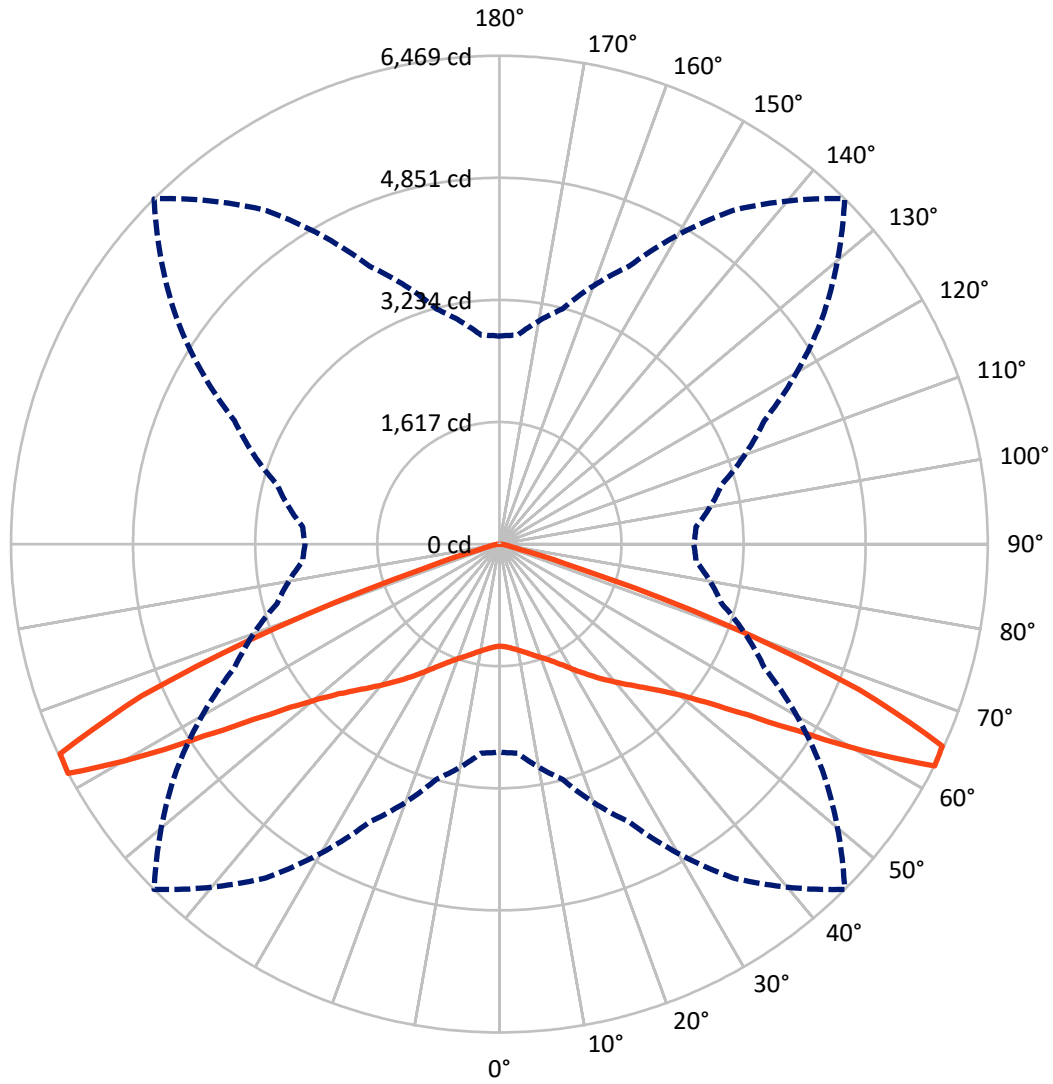
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.4 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	5791.1	0.0	5791.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5791.1	0.0	5791.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	11582.2	0.0	11582.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	1.1
10°-20°	427.5	3.7
20°-30°	808.8	7.0
30°-40°	1361.4	11.8
40°-50°	2175.1	18.8
50°-60°	3506.1	30.3
60°-70°	2860.6	24.7
70°-80°	277.8	2.4
80°-90°	32.3	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°	11582.2	100.0
0°-180°	11582.2	100.0

Coefficient of Utilization



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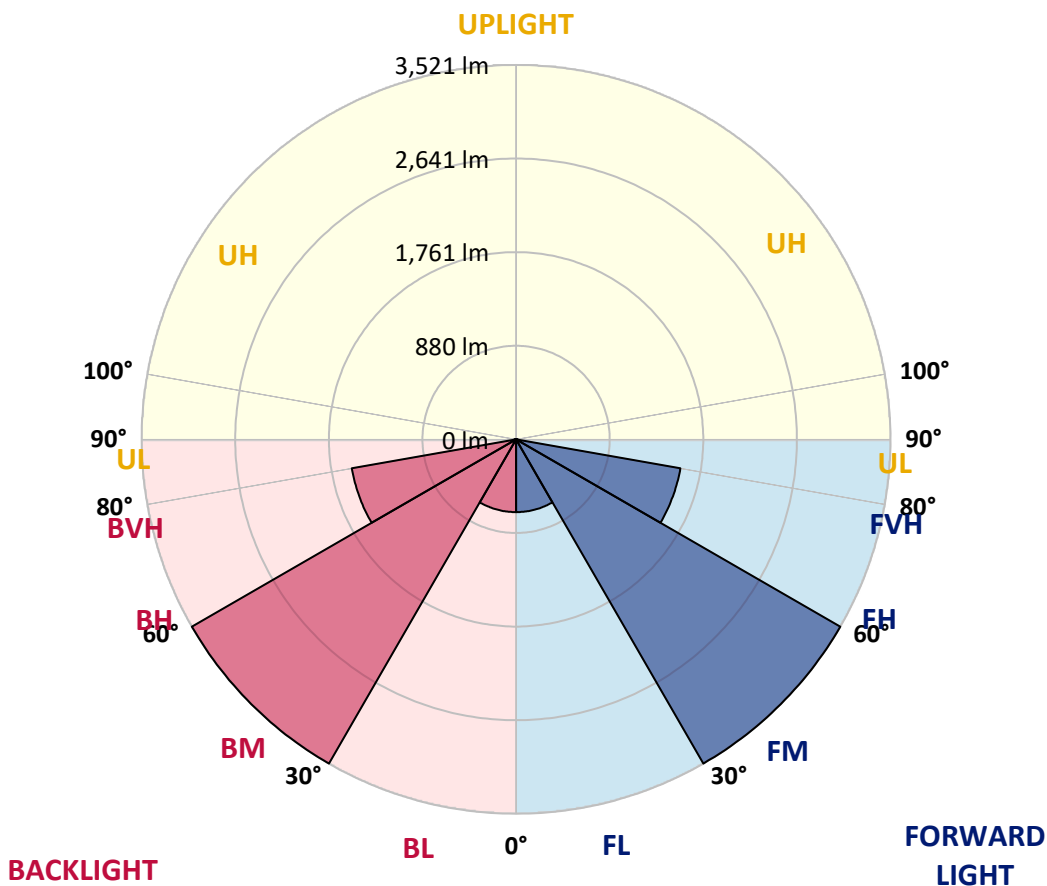
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	684.5	5.9			
FM (30°-60°)	3521.3	30.4			
FH (60°-80°)	1569.2	13.5			G1/1800
FVH (80°-90°)	16.2	0.1			G1/100
BL (0°-30°)	684.5	5.9	B2/1000		
BM (30°-60°)	3521.3	30.4	B3/5000		
BH (60°-80°)	1569.2	13.5	B3/2500		G1/1800
BVH (80°-90°)	16.2	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°	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2
2.5°	1349.6	1349.6	1352.8	1355.2	1353.6	1360.0	1359.2	1357.6	1356.8	1354.4	1361.5
5°	1367.9	1367.9	1370.3	1372.7	1368.7	1376.6	1373.5	1371.9	1371.1	1367.9	1374.3
7.5°	1388.6	1390.9	1391.7	1395.7	1393.3	1402.1	1399.7	1396.5	1394.9	1390.9	1396.5
10°	1411.6	1413.2	1414.0	1421.1	1421.9	1432.2	1429.9	1425.9	1422.7	1418.7	1426.7
12.5°	1442.6	1443.4	1445.7	1454.5	1456.9	1464.8	1464.0	1458.5	1454.5	1448.9	1457.7
15°	1482.3	1483.1	1487.1	1495.8	1499.8	1509.3	1506.1	1497.4	1491.8	1485.5	1492.6
17.5°	1523.6	1526.8	1530.7	1539.5	1545.0	1556.2	1552.2	1542.7	1537.9	1531.5	1536.3
20°	1576.8	1577.6	1580.0	1589.5	1593.5	1606.2	1607.0	1597.5	1595.1	1588.7	1595.9
22.5°	1635.6	1636.4	1638.8	1649.1	1656.3	1664.2	1669.0	1663.4	1659.4	1651.5	1660.2
25°	1700.7	1708.7	1711.1	1723.8	1731.7	1736.5	1742.0	1739.7	1734.1	1724.6	1728.5
27.5°	1792.1	1793.7	1797.7	1812.0	1816.7	1821.5	1827.0	1827.8	1819.9	1808.8	1814.3
30°	1896.2	1895.4	1904.1	1915.2	1919.2	1923.2	1931.1	1935.9	1925.5	1913.6	1919.2
32.5°	2002.6	2012.1	2023.3	2033.6	2031.2	2032.8	2045.5	2054.2	2039.9	2018.5	2023.3
35°	2122.6	2128.9	2143.2	2158.3	2155.1	2152.7	2160.7	2169.4	2149.6	2121.8	2128.9
37.5°	2245.7	2255.2	2276.7	2294.9	2290.2	2279.0	2287.8	2297.3	2278.2	2246.5	2243.3
40°	2383.1	2398.2	2429.2	2444.3	2431.6	2410.1	2425.2	2448.2	2429.2	2392.6	2383.9
42.5°	2544.4	2562.6	2593.6	2616.6	2588.8	2553.9	2579.3	2612.7	2607.9	2559.5	2544.4
45°	2743.7	2755.7	2793.8	2804.9	2763.6	2715.1	2761.2	2812.1	2800.1	2747.7	2727.9
47.5°	2960.6	2978.9	3012.2	3032.9	2966.2	2905.8	2970.1	3038.5	3025.7	2976.5	2953.5
50°	3237.0	3260.9	3304.6	3322.0	3229.9	3160.8	3243.4	3330.0	3305.4	3239.4	3209.2
52.5°	3538.1	3557.2	3631.9	3666.8	3580.2	3505.5	3577.8	3662.8	3610.4	3523.0	3482.5
55°	3803.4	3822.5	3932.1	4048.1	4044.1	3992.5	4029.0	4030.6	3888.4	3743.9	3701.0
57.5°	3860.6	3879.7	4088.6	4392.1	4606.5	4666.1	4558.9	4333.3	3975.0	3721.6	3673.2
60°	3555.6	3577.0	3909.1	4463.6	5169.0	5566.9	5072.8	4326.9	3707.3	3364.1	3318.1
62.5°	2754.9	2777.9	3224.3	4056.8	5396.1	6468.5	5222.2	3871.7	3049.6	2615.1	2574.5
65°	1315.5	1315.5	1882.7	2909.8	4943.4	6447.1	4790.0	2864.5	1835.8	1410.0	1375.1
67.5°	325.7	327.3	484.6	1132.8	3362.6	5145.1	3417.4	1375.1	646.6	457.6	445.6
70°	203.4	202.6	224.8	306.6	1176.5	3122.7	1397.3	414.7	262.9	232.0	230.4
72.5°	158.1	158.1	169.2	196.2	308.2	1063.7	407.5	230.4	190.6	171.6	171.6
75°	124.7	124.7	132.7	147.0	181.9	274.1	216.9	170.8	147.8	135.0	133.5
77.5°	92.9	94.5	100.9	110.4	123.9	154.1	137.4	128.7	115.2	105.7	102.5
80°	60.4	62.8	70.7	76.3	81.0	101.7	89.8	93.7	87.4	76.3	74.7
82.5°	32.6	33.4	42.9	44.5	46.1	55.6	57.2	59.6	62.0	48.5	45.3
85°	11.9	11.9	14.3	16.7	18.3	19.9	27.0	33.4	35.0	27.8	27.0
87.5°	2.4	2.4	2.4	1.6	1.6	1.6	4.8	8.7	14.3	11.1	11.1
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)