

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: P634553

Luminaire Tested: GWS-SA3C-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634553
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-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10739.6 lumens
Efficiency: N/A
Efficacy: 115.5 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

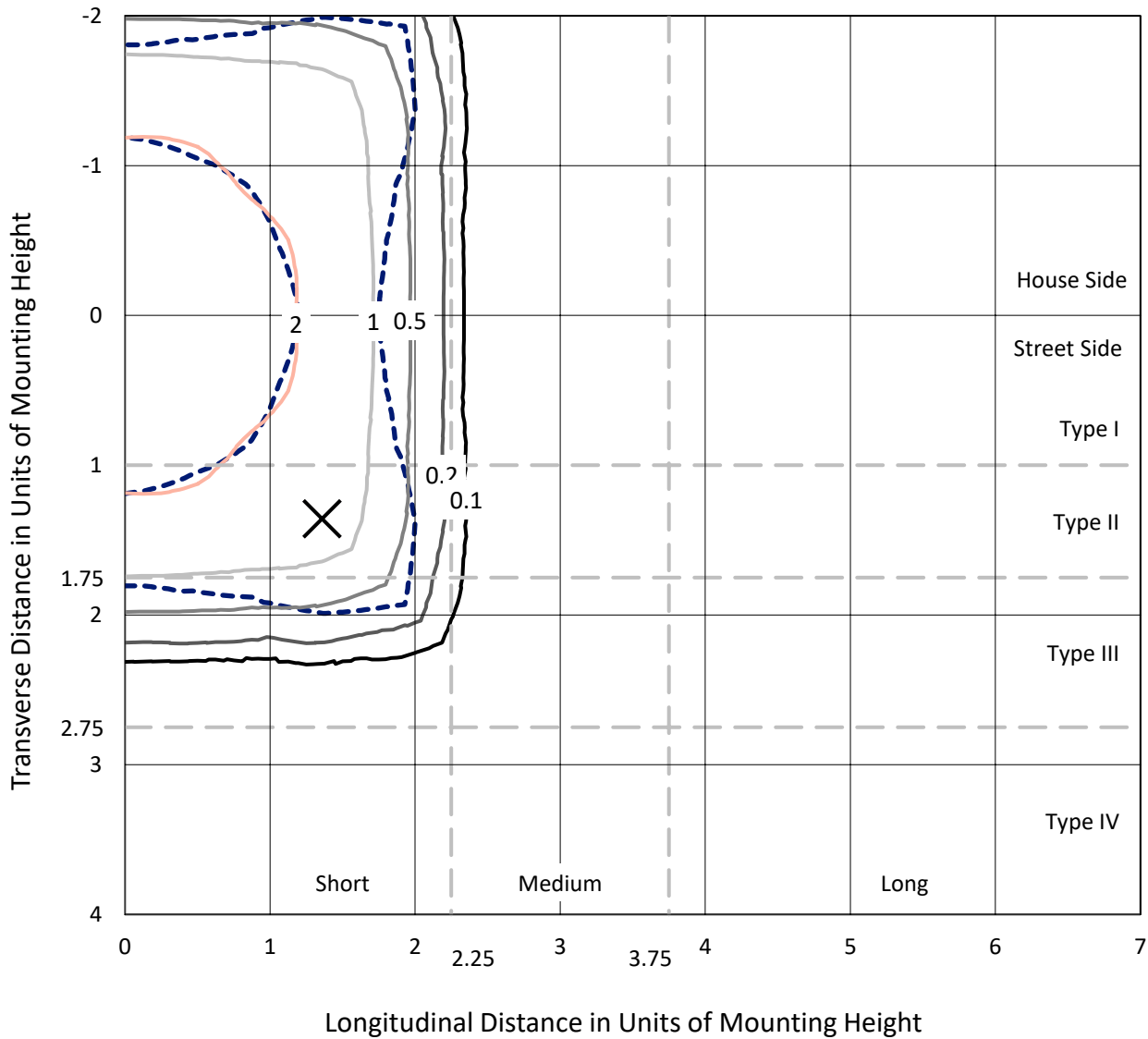
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

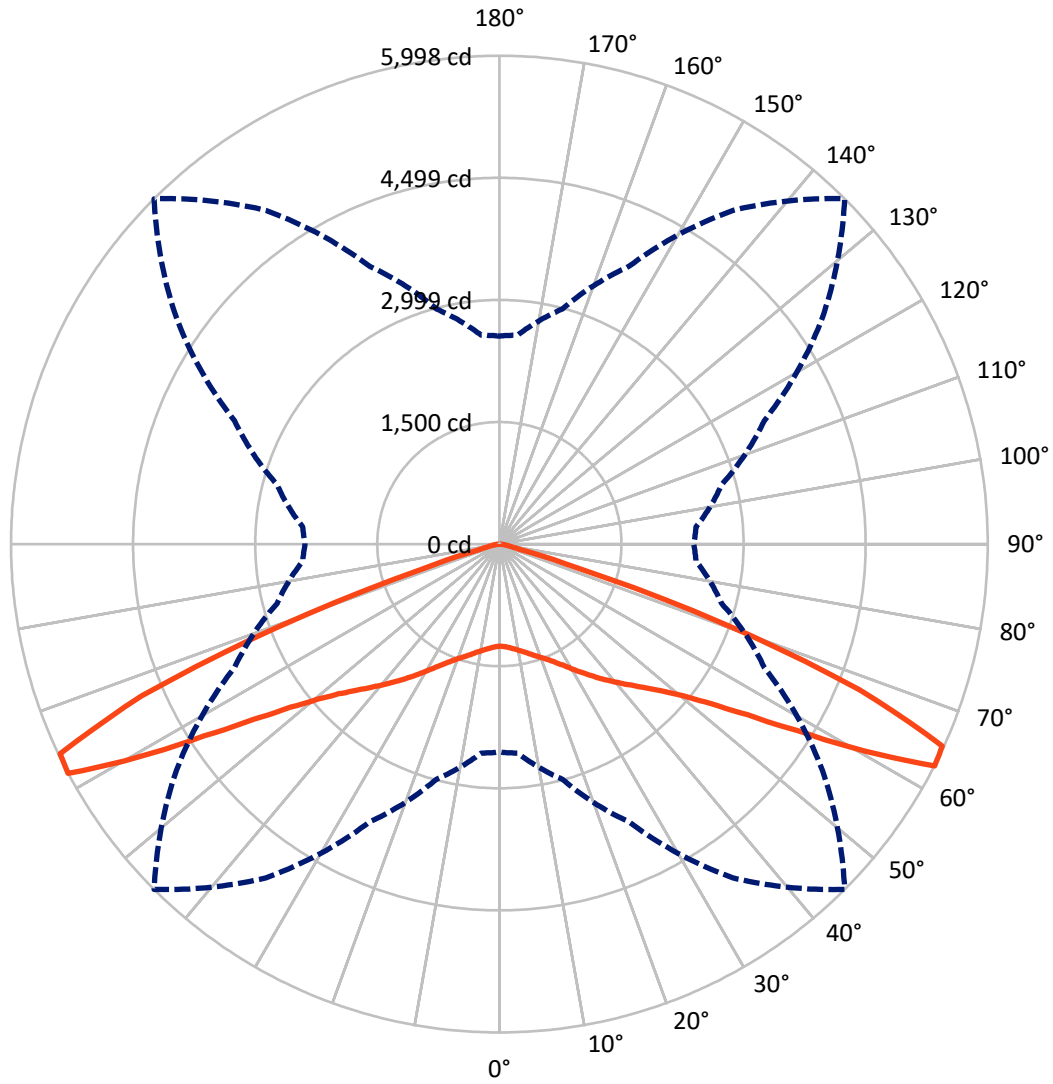
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.2 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	5369.8	0.0	5369.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5369.8	0.0	5369.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	10739.6	0.0	10739.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	1.1
10°-20°	396.4	3.7
20°-30°	750.0	7.0
30°-40°	1262.3	11.8
40°-50°	2016.8	18.8
50°-60°	3251.0	30.3
60°-70°	2652.5	24.7
70°-80°	257.6	2.4
80°-90°	30.0	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°	10739.6	100.0
0°-180°	10739.6	100.0

Coefficient of Utilization



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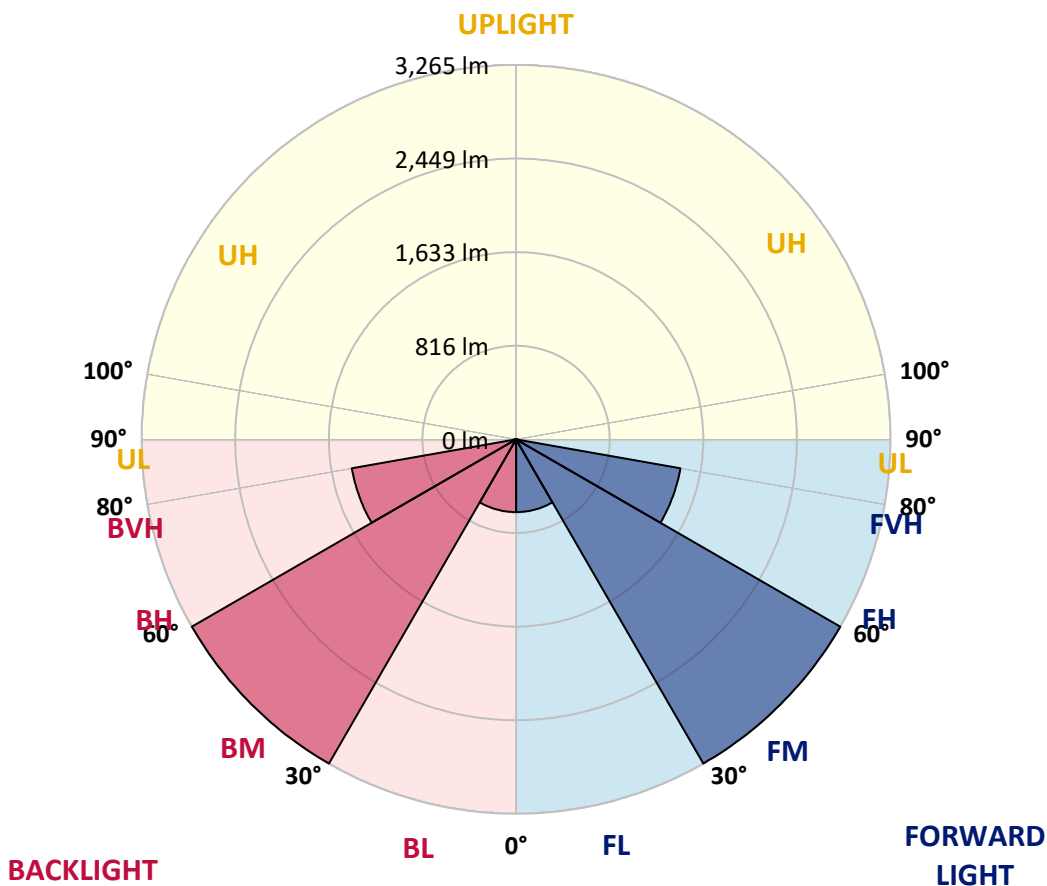
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	634.7	5.9			
FM (30°-60°)	3265.1	30.4			
FH (60°-80°)	1455.0	13.5			G1/1800
FVH (80°-90°)	15.0	0.1			G1/100
BL (0°-30°)	634.7	5.9	B2/1000		
BM (30°-60°)	3265.1	30.4	B3/5000		
BH (60°-80°)	1455.0	13.5	B3/2500		G1/1800
BVH (80°-90°)	15.0	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°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
2.5°	1251.4	1251.4	1254.4	1256.6	1255.1	1261.0	1260.3	1258.8	1258.1	1255.9	1262.5
5°	1268.4	1268.4	1270.6	1272.8	1269.1	1276.5	1273.5	1272.1	1271.3	1268.4	1274.3
7.5°	1287.5	1289.7	1290.5	1294.2	1292.0	1300.1	1297.9	1294.9	1293.4	1289.7	1294.9
10°	1308.9	1310.4	1311.1	1317.7	1318.5	1328.1	1325.8	1322.2	1319.2	1315.5	1322.9
12.5°	1337.6	1338.4	1340.6	1348.7	1350.9	1358.2	1357.5	1352.4	1348.7	1343.5	1351.6
15°	1374.5	1375.2	1378.9	1387.0	1390.7	1399.5	1396.6	1388.4	1383.3	1377.4	1384.0
17.5°	1412.8	1415.7	1419.4	1427.5	1432.6	1443.0	1439.3	1430.4	1426.0	1420.1	1424.5
20°	1462.1	1462.8	1465.1	1473.9	1477.6	1489.4	1490.1	1481.3	1479.0	1473.2	1479.8
22.5°	1516.6	1517.4	1519.6	1529.1	1535.8	1543.1	1547.6	1542.4	1538.7	1531.3	1539.4
25°	1577.0	1584.4	1586.6	1598.4	1605.7	1610.2	1615.3	1613.1	1607.9	1599.1	1602.8
27.5°	1661.7	1663.2	1666.9	1680.1	1684.6	1689.0	1694.1	1694.9	1687.5	1677.2	1682.3
30°	1758.2	1757.5	1765.6	1775.9	1779.6	1783.3	1790.6	1795.0	1785.5	1774.4	1779.6
32.5°	1856.9	1865.8	1876.1	1885.6	1883.4	1884.9	1896.7	1904.8	1891.5	1871.6	1876.1
35°	1968.1	1974.0	1987.3	2001.3	1998.3	1996.1	2003.5	2011.6	1993.2	1967.4	1974.0
37.5°	2082.3	2091.1	2111.0	2128.0	2123.6	2113.2	2121.3	2130.2	2112.5	2083.0	2080.1
40°	2209.7	2223.7	2252.5	2266.5	2254.7	2234.8	2248.8	2270.1	2252.5	2218.6	2210.5
42.5°	2359.3	2376.2	2404.9	2426.3	2400.5	2368.1	2391.7	2422.6	2418.2	2373.3	2359.3
45°	2544.1	2555.2	2590.5	2600.9	2562.6	2517.6	2560.3	2607.5	2596.4	2547.8	2529.4
47.5°	2745.2	2762.2	2793.1	2812.3	2750.4	2694.4	2754.1	2817.4	2805.6	2760.0	2738.6
50°	3001.6	3023.7	3064.2	3080.4	2994.9	2930.8	3007.4	3087.7	3064.9	3003.8	2975.8
52.5°	3280.7	3298.4	3367.6	3400.0	3319.8	3250.5	3317.5	3396.4	3347.7	3266.7	3229.2
55°	3526.7	3544.4	3646.1	3753.6	3749.9	3702.0	3735.9	3737.4	3605.5	3471.5	3431.7
57.5°	3579.8	3597.4	3791.2	4072.5	4271.4	4326.7	4227.2	4018.0	3685.8	3450.9	3405.9
60°	3296.9	3316.8	3624.7	4138.8	4792.9	5161.9	4703.8	4012.1	3437.6	3119.4	3076.7
62.5°	2554.5	2575.8	2989.8	3761.7	5003.6	5998.0	4842.3	3590.1	2827.7	2424.8	2387.2
65°	1219.8	1219.8	1745.7	2698.1	4583.7	5978.1	4441.6	2656.1	1702.2	1307.4	1275.0
67.5°	302.0	303.5	449.3	1050.4	3117.9	4770.8	3168.8	1275.0	599.6	424.3	413.2
70°	188.6	187.8	208.5	284.3	1090.9	2895.5	1295.6	384.5	243.8	215.1	213.6
72.5°	146.6	146.6	156.9	181.9	285.8	986.3	377.9	213.6	176.8	159.1	159.1
75°	115.6	115.6	123.0	136.3	168.7	254.1	201.1	158.4	137.0	125.2	123.7
77.5°	86.2	87.7	93.5	102.4	114.9	142.9	127.4	119.3	106.8	98.0	95.0
80°	56.0	58.2	65.6	70.7	75.1	94.3	83.2	86.9	81.0	70.7	69.2
82.5°	30.2	30.9	39.8	41.2	42.7	51.6	53.0	55.2	57.5	44.9	42.0
85°	11.0	11.0	13.3	15.5	16.9	18.4	25.0	30.9	32.4	25.8	25.0
87.5°	2.2	2.2	2.2	1.5	1.5	1.5	4.4	8.1	13.3	10.3	10.3
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)