

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: P634223

Luminaire Tested: GWS-SA3B-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634223
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-SA3B-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10722.6 lumens
Efficiency: N/A
Efficacy: 157.0 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

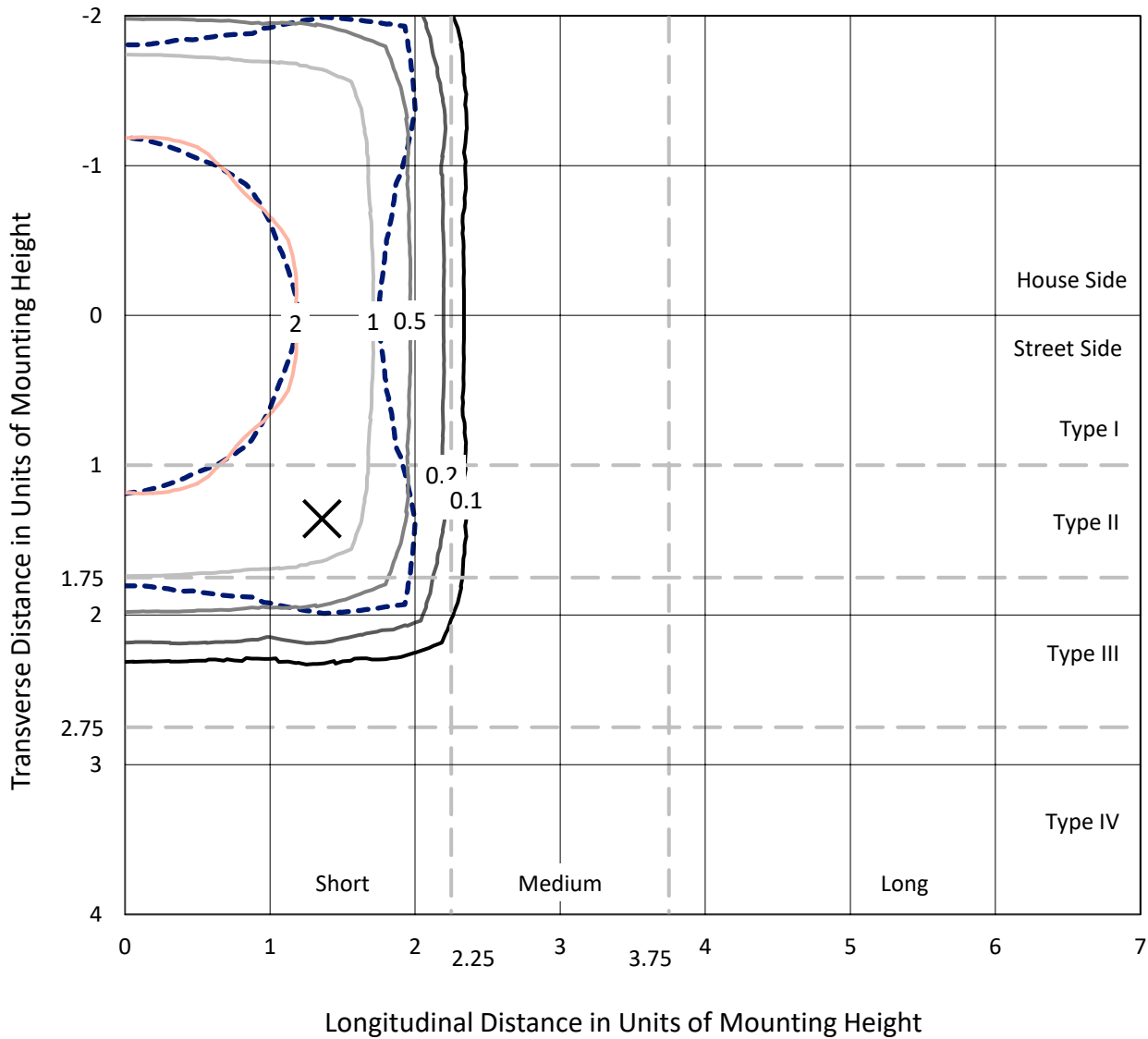
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

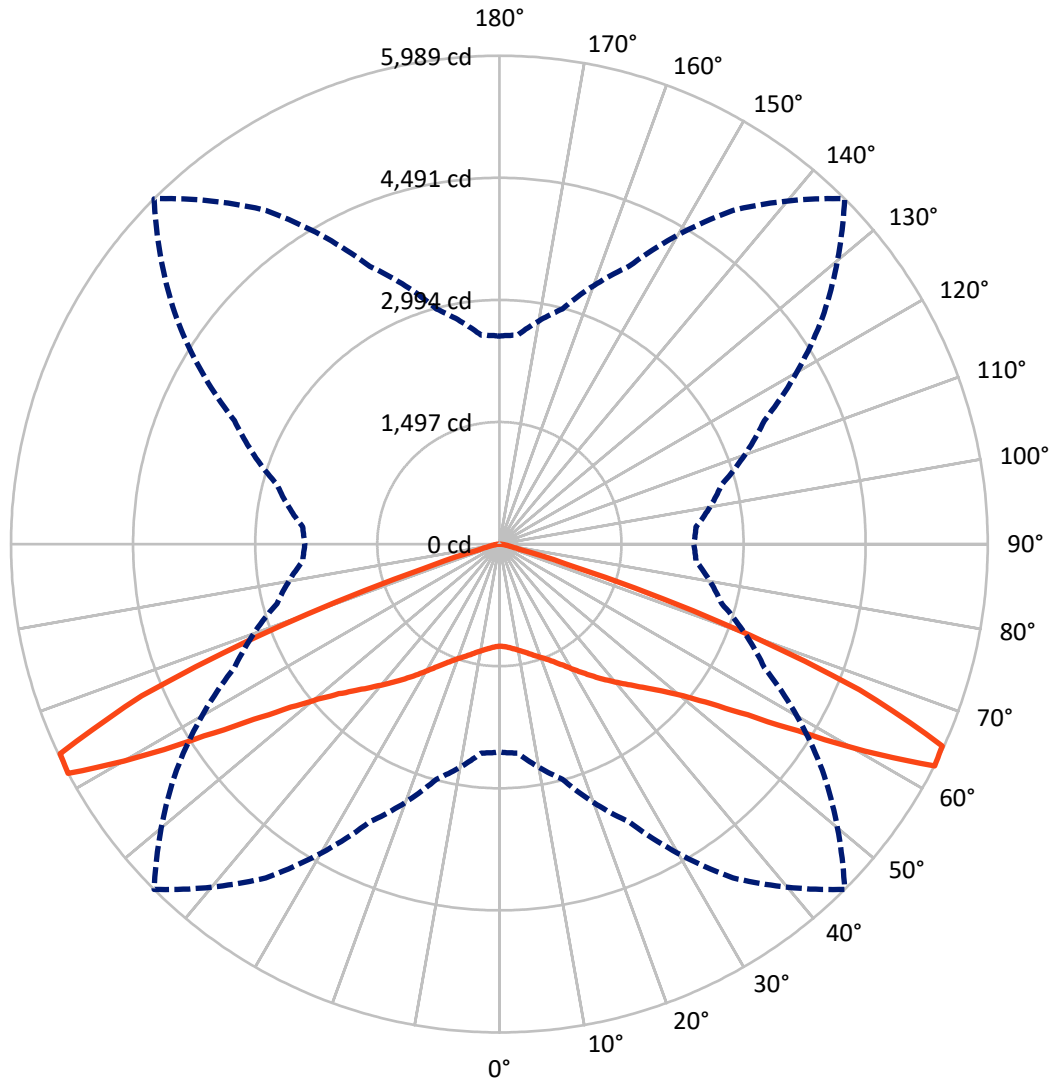
✕ Max cd
 - - - 1/2 Max cd



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	5361.3	0.0	5361.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5361.3	0.0	5361.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	10722.6	0.0	10722.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.7	1.1
10°-20°	395.8	3.7
20°-30°	748.8	7.0
30°-40°	1260.3	11.8
40°-50°	2013.6	18.8
50°-60°	3245.9	30.3
60°-70°	2648.3	24.7
70°-80°	257.2	2.4
80°-90°	29.9	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°	10722.6	100.0
0°-180°	10722.6	100.0

Coefficient of Utilization



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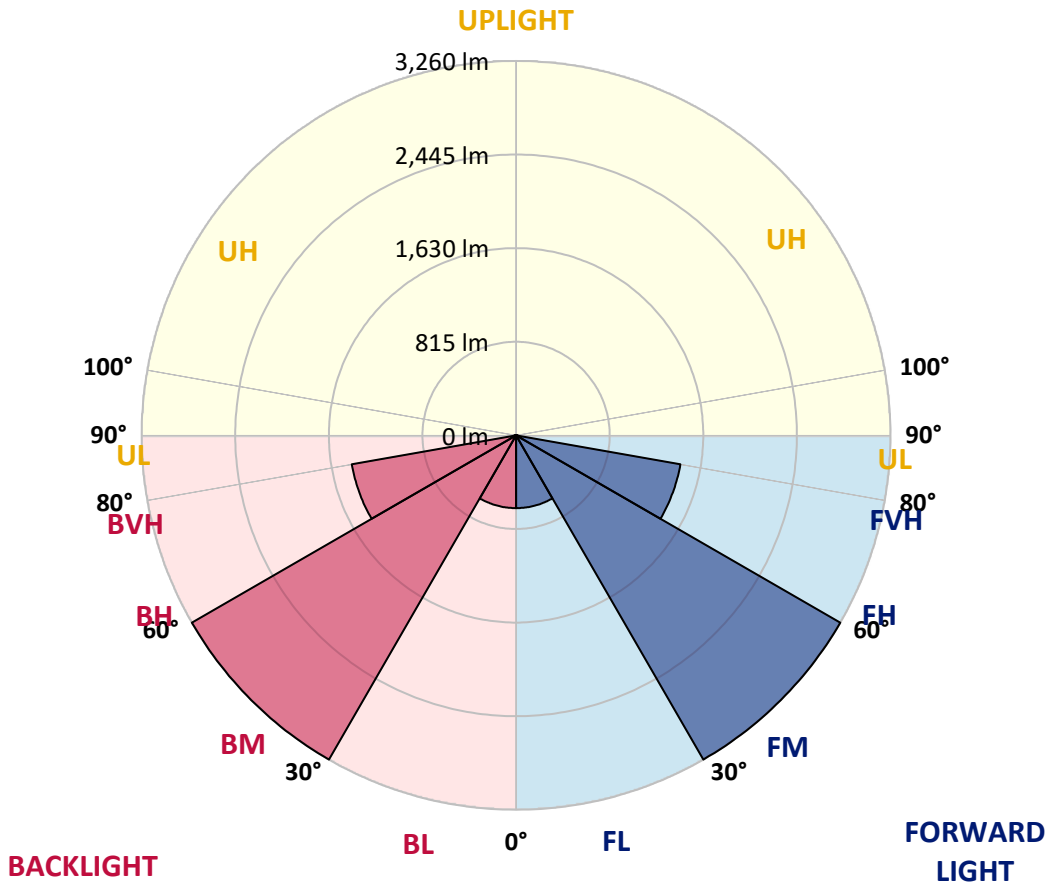
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	633.7	5.9			
FM (30°-60°)	3259.9	30.4			
FH (60°-80°)	1452.7	13.5			G1/1800
FVH (80°-90°)	15.0	0.1			G1/100
BL (0°-30°)	633.7	5.9	B2/1000		
BM (30°-60°)	3259.9	30.4	B3/5000		
BH (60°-80°)	1452.7	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°	1250.9	1250.9	1250.9	1250.9	1250.9	1250.9	1250.9	1250.9	1250.9	1250.9	1250.9
2.5°	1249.5	1249.5	1252.4	1254.6	1253.1	1259.0	1258.3	1256.8	1256.1	1253.9	1260.5
5°	1266.4	1266.4	1268.6	1270.8	1267.1	1274.5	1271.5	1270.1	1269.3	1266.4	1272.3
7.5°	1285.5	1287.7	1288.4	1292.1	1289.9	1298.0	1295.8	1292.9	1291.4	1287.7	1292.9
10°	1306.8	1308.3	1309.0	1315.7	1316.4	1325.9	1323.7	1320.1	1317.1	1313.4	1320.8
12.5°	1335.5	1336.2	1338.4	1346.5	1348.7	1356.1	1355.4	1350.2	1346.5	1341.4	1349.5
15°	1372.3	1373.0	1376.7	1384.8	1388.5	1397.3	1394.3	1386.3	1381.1	1375.2	1381.8
17.5°	1410.5	1413.5	1417.1	1425.2	1430.4	1440.7	1437.0	1428.2	1423.8	1417.9	1422.3
20°	1459.8	1460.5	1462.7	1471.6	1475.2	1487.0	1487.7	1478.9	1476.7	1470.8	1477.4
22.5°	1514.2	1514.9	1517.2	1526.7	1533.3	1540.7	1545.1	1540.0	1536.3	1528.9	1537.0
25°	1574.5	1581.9	1584.1	1595.8	1603.2	1607.6	1612.8	1610.6	1605.4	1596.6	1600.3
27.5°	1659.1	1660.6	1664.2	1677.5	1681.9	1686.3	1691.4	1692.2	1684.8	1674.5	1679.7
30°	1755.4	1754.7	1762.8	1773.1	1776.8	1780.4	1787.8	1792.2	1782.6	1771.6	1776.8
32.5°	1854.0	1862.8	1873.1	1882.7	1880.4	1881.9	1893.7	1901.8	1888.5	1868.7	1873.1
35°	1965.0	1970.9	1984.1	1998.1	1995.2	1993.0	2000.3	2008.4	1990.0	1964.3	1970.9
37.5°	2079.0	2087.8	2107.7	2124.6	2120.2	2109.9	2118.0	2126.8	2109.2	2079.7	2076.8
40°	2206.2	2220.2	2248.9	2262.9	2251.1	2231.2	2245.2	2266.5	2248.9	2215.1	2207.0
42.5°	2355.5	2372.4	2401.1	2422.4	2396.7	2364.3	2387.9	2418.8	2414.4	2369.5	2355.5
45°	2540.1	2551.1	2586.4	2596.7	2558.5	2513.6	2556.3	2603.4	2592.3	2543.8	2525.4
47.5°	2740.9	2757.8	2788.7	2807.8	2746.0	2690.1	2749.7	2813.0	2801.2	2755.6	2734.3
50°	2996.8	3018.9	3059.3	3075.5	2990.2	2926.2	3002.7	3082.8	3060.0	2999.0	2971.1
52.5°	3275.5	3293.2	3362.3	3394.7	3314.5	3245.4	3312.3	3391.0	3342.4	3261.6	3224.0
55°	3521.2	3538.8	3640.3	3747.7	3744.0	3696.2	3730.0	3731.5	3599.8	3466.0	3426.3
57.5°	3574.1	3591.8	3785.2	4066.1	4264.7	4319.8	4220.5	4011.7	3680.0	3445.4	3400.5
60°	3291.7	3311.6	3619.0	4132.3	4785.3	5153.8	4696.3	4005.8	3432.2	3114.5	3071.8
62.5°	2550.4	2571.7	2985.0	3755.7	4995.7	5988.5	4834.6	3584.4	2823.2	2421.0	2383.5
65°	1217.8	1217.8	1742.9	2693.8	4576.5	5968.6	4434.5	2651.9	1699.5	1305.4	1273.0
67.5°	301.5	303.0	448.6	1048.7	3113.0	4763.3	3163.7	1273.0	598.6	423.6	412.6
70°	188.3	187.5	208.1	283.9	1089.1	2890.9	1293.6	383.9	243.4	214.7	213.3
72.5°	146.3	146.3	156.6	181.6	285.3	984.7	377.3	213.3	176.5	158.8	158.8
75°	115.5	115.5	122.8	136.1	168.4	253.7	200.8	158.1	136.8	125.0	123.5
77.5°	86.0	87.5	93.4	102.2	114.7	142.7	127.2	119.1	106.6	97.8	94.9
80°	55.9	58.1	65.5	70.6	75.0	94.1	83.1	86.8	80.9	70.6	69.1
82.5°	30.2	30.9	39.7	41.2	42.7	51.5	52.9	55.2	57.4	44.9	41.9
85°	11.0	11.0	13.2	15.4	16.9	18.4	25.0	30.9	32.4	25.7	25.0
87.5°	2.2	2.2	2.2	1.5	1.5	1.5	4.4	8.1	13.2	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)