

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: P634278

Luminaire Tested: GWS-SA3B-740-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634278
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-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10871.6 lumens
Efficiency: N/A
Efficacy: 159.2 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

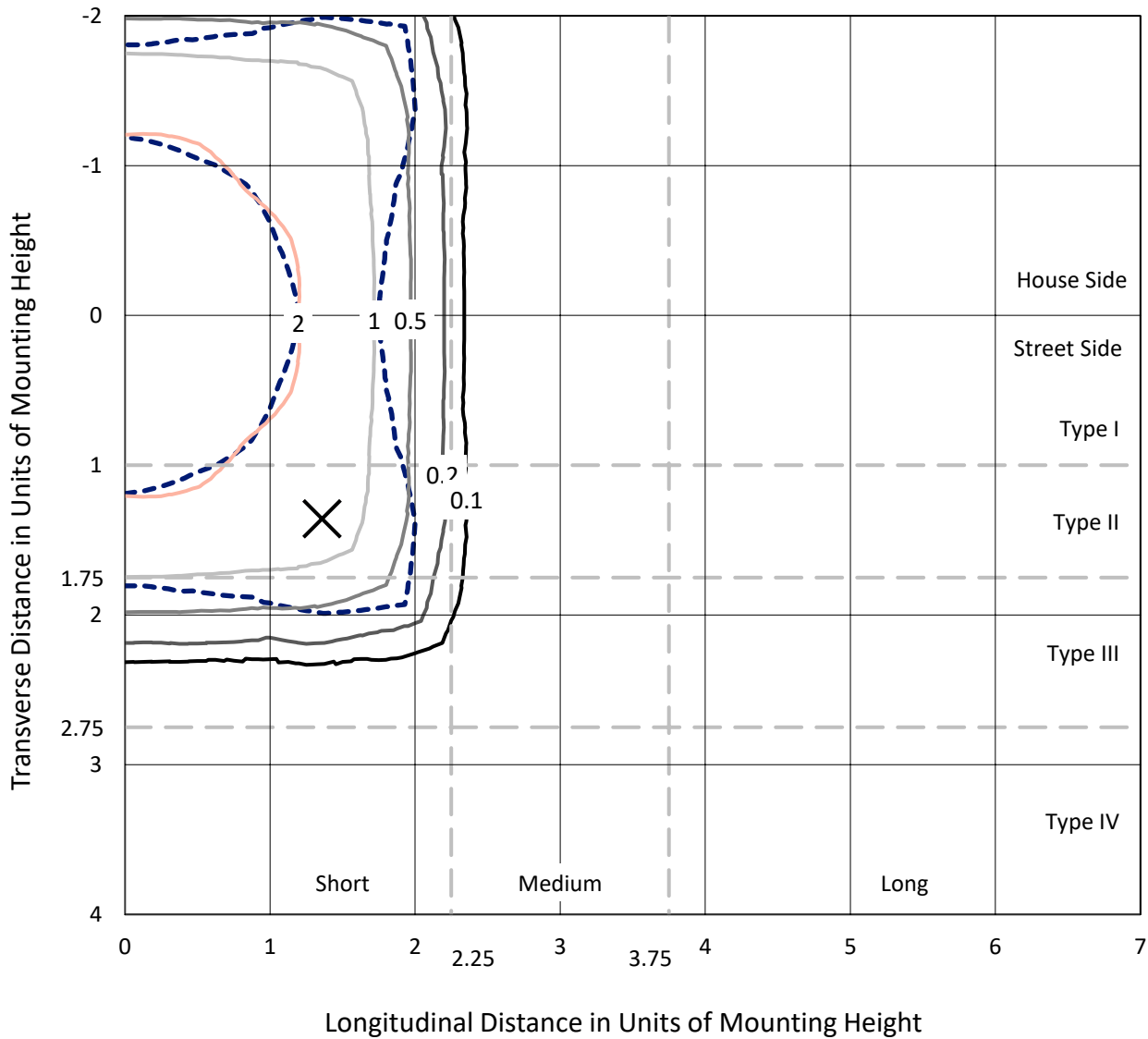
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

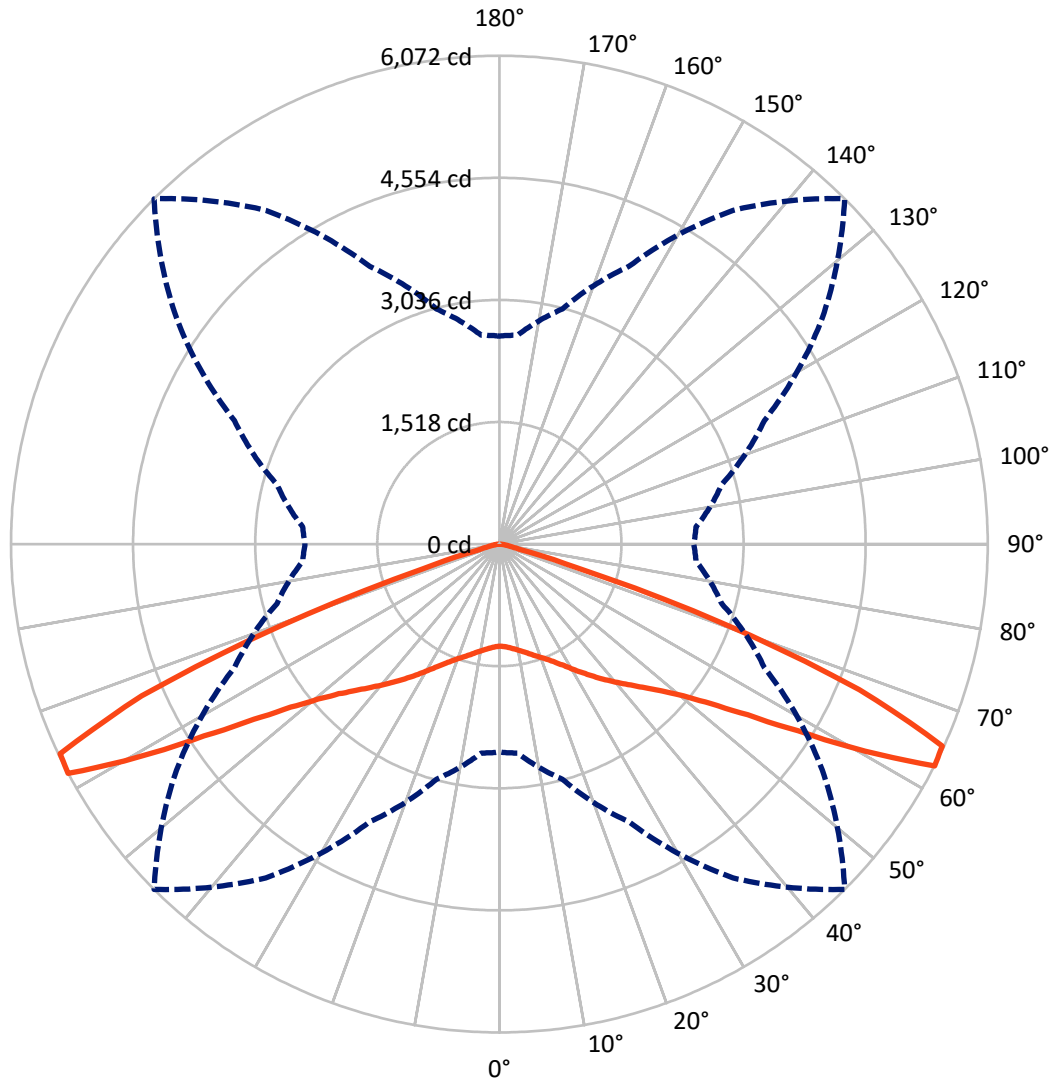
✕ Max cd
 - - - 1/2 Max cd



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	5435.8	0.0	5435.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5435.8	0.0	5435.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	10871.6	0.0	10871.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	1.1
10°-20°	401.3	3.7
20°-30°	759.2	7.0
30°-40°	1277.9	11.8
40°-50°	2041.6	18.8
50°-60°	3291.0	30.3
60°-70°	2685.1	24.7
70°-80°	260.7	2.4
80°-90°	30.3	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°	10871.6	100.0
0°-180°	10871.6	100.0

Coefficient of Utilization



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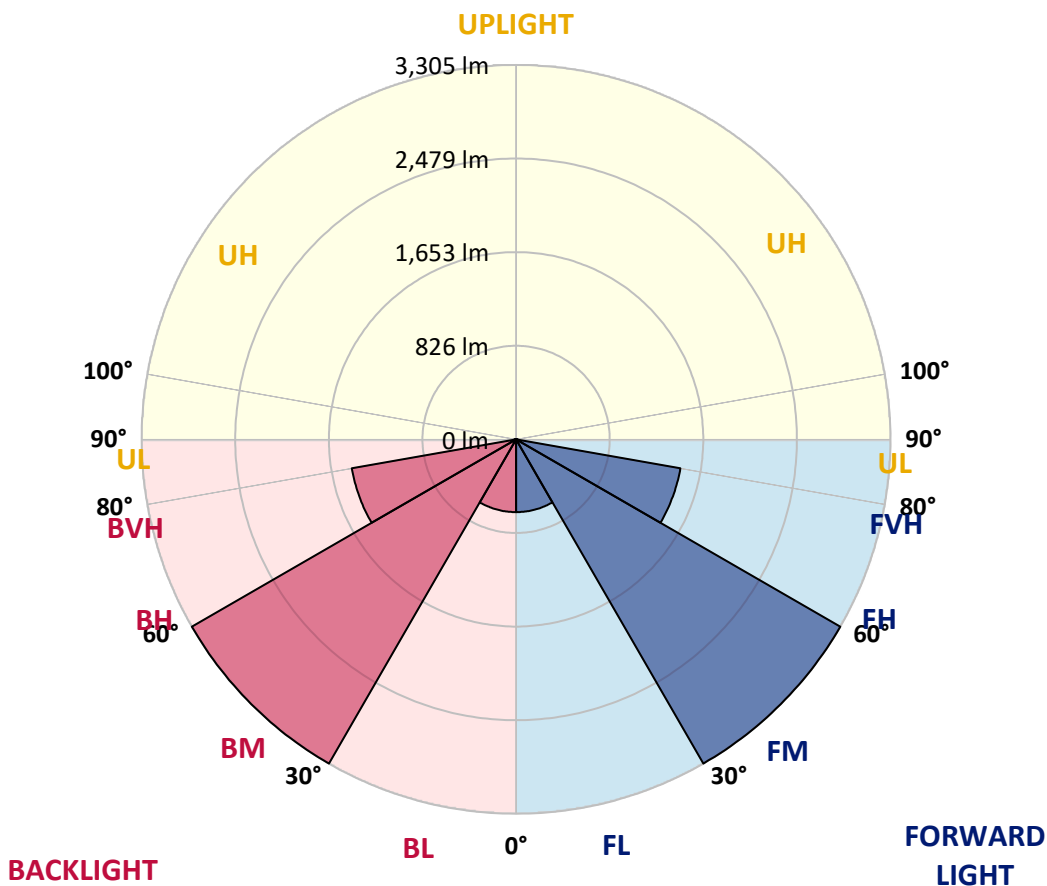
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	642.5	5.9			
FM (30°-60°)	3305.2	30.4			
FH (60°-80°)	1472.9	13.5			G1/1800
FVH (80°-90°)	15.2	0.1			G1/100
BL (0°-30°)	642.5	5.9	B2/1000		
BM (30°-60°)	3305.2	30.4	B3/5000		
BH (60°-80°)	1472.9	13.5	B3/2500		G1/1800
BVH (80°-90°)	15.2	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°	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3
2.5°	1266.8	1266.8	1269.8	1272.0	1270.6	1276.5	1275.8	1274.3	1273.5	1271.3	1278.0
5°	1284.0	1284.0	1286.2	1288.5	1284.7	1292.2	1289.2	1287.7	1287.0	1284.0	1289.9
7.5°	1303.4	1305.6	1306.3	1310.1	1307.8	1316.0	1313.8	1310.8	1309.3	1305.6	1310.8
10°	1325.0	1326.5	1327.2	1333.9	1334.7	1344.4	1342.1	1338.4	1335.4	1331.7	1339.2
12.5°	1354.1	1354.8	1357.0	1365.3	1367.5	1374.9	1374.2	1369.0	1365.3	1360.0	1368.2
15°	1391.3	1392.1	1395.8	1404.0	1407.8	1416.7	1413.7	1405.5	1400.3	1394.3	1401.0
17.5°	1430.1	1433.1	1436.8	1445.0	1450.3	1460.7	1457.0	1448.0	1443.5	1437.6	1442.1
20°	1480.1	1480.8	1483.1	1492.0	1495.7	1507.7	1508.4	1499.5	1497.2	1491.3	1498.0
22.5°	1535.3	1536.0	1538.2	1547.9	1554.6	1562.1	1566.6	1561.4	1557.6	1550.2	1558.4
25°	1596.4	1603.9	1606.1	1618.0	1625.5	1629.9	1635.2	1632.9	1627.7	1618.8	1622.5
27.5°	1682.1	1683.6	1687.4	1700.8	1705.3	1709.7	1715.0	1715.7	1708.2	1697.8	1703.0
30°	1779.8	1779.1	1787.3	1797.7	1801.4	1805.2	1812.6	1817.1	1807.4	1796.2	1801.4
32.5°	1879.7	1888.7	1899.1	1908.8	1906.6	1908.1	1920.0	1928.2	1914.8	1894.6	1899.1
35°	1992.3	1998.3	2011.7	2025.9	2022.9	2020.7	2028.1	2036.3	2017.7	1991.6	1998.3
37.5°	2107.9	2116.8	2137.0	2154.1	2149.7	2139.2	2147.4	2156.4	2138.5	2108.6	2105.7
40°	2236.9	2251.1	2280.1	2294.3	2282.4	2262.2	2276.4	2298.0	2280.1	2245.8	2237.6
42.5°	2388.3	2405.4	2434.5	2456.1	2430.0	2397.2	2421.1	2452.4	2447.9	2402.4	2388.3
45°	2575.4	2586.6	2622.4	2632.8	2594.1	2548.6	2591.8	2639.5	2628.4	2579.1	2560.5
47.5°	2779.0	2796.1	2827.4	2846.8	2784.2	2727.5	2787.9	2852.0	2840.1	2793.9	2772.3
50°	3038.4	3060.8	3101.8	3118.2	3031.7	2966.9	3044.4	3125.7	3102.6	3040.7	3012.4
52.5°	3321.0	3338.9	3409.0	3441.8	3360.6	3290.5	3358.3	3438.1	3388.9	3306.9	3268.8
55°	3570.1	3588.0	3690.9	3799.7	3796.0	3747.5	3781.8	3783.3	3649.9	3514.2	3473.9
57.5°	3623.8	3641.7	3837.8	4122.6	4323.9	4379.8	4279.2	4067.4	3731.1	3493.3	3447.8
60°	3337.4	3357.6	3669.3	4189.7	4851.8	5225.4	4761.6	4061.5	3479.9	3157.7	3114.5
62.5°	2585.8	2607.5	3026.5	3807.9	5065.1	6071.7	4901.8	3634.2	2862.5	2454.6	2416.6
65°	1234.8	1234.8	1767.1	2731.2	4640.1	6051.5	4496.2	2688.7	1723.2	1323.5	1290.7
67.5°	305.7	307.2	454.8	1063.3	3156.3	4829.5	3207.7	1290.7	606.9	429.5	418.3
70°	190.9	190.1	211.0	287.8	1104.3	2931.1	1311.6	389.2	246.8	217.7	216.2
72.5°	148.4	148.4	158.8	184.2	289.3	998.4	382.5	216.2	179.0	161.1	161.1
75°	117.1	117.1	124.5	137.9	170.7	257.2	203.6	160.3	138.7	126.8	125.3
77.5°	87.2	88.7	94.7	103.6	116.3	144.7	129.0	120.8	108.1	99.2	96.2
80°	56.7	58.9	66.4	71.6	76.1	95.4	84.3	88.0	82.0	71.6	70.1
82.5°	30.6	31.3	40.3	41.8	43.2	52.2	53.7	55.9	58.2	45.5	42.5
85°	11.2	11.2	13.4	15.7	17.1	18.6	25.4	31.3	32.8	26.1	25.4
87.5°	2.2	2.2	2.2	1.5	1.5	1.5	4.5	8.2	13.4	10.4	10.4
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)