

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: P634388

Luminaire Tested: GWS-SA3B-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634388
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-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10968.3 lumens
Efficiency: N/A
Efficacy: 160.6 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

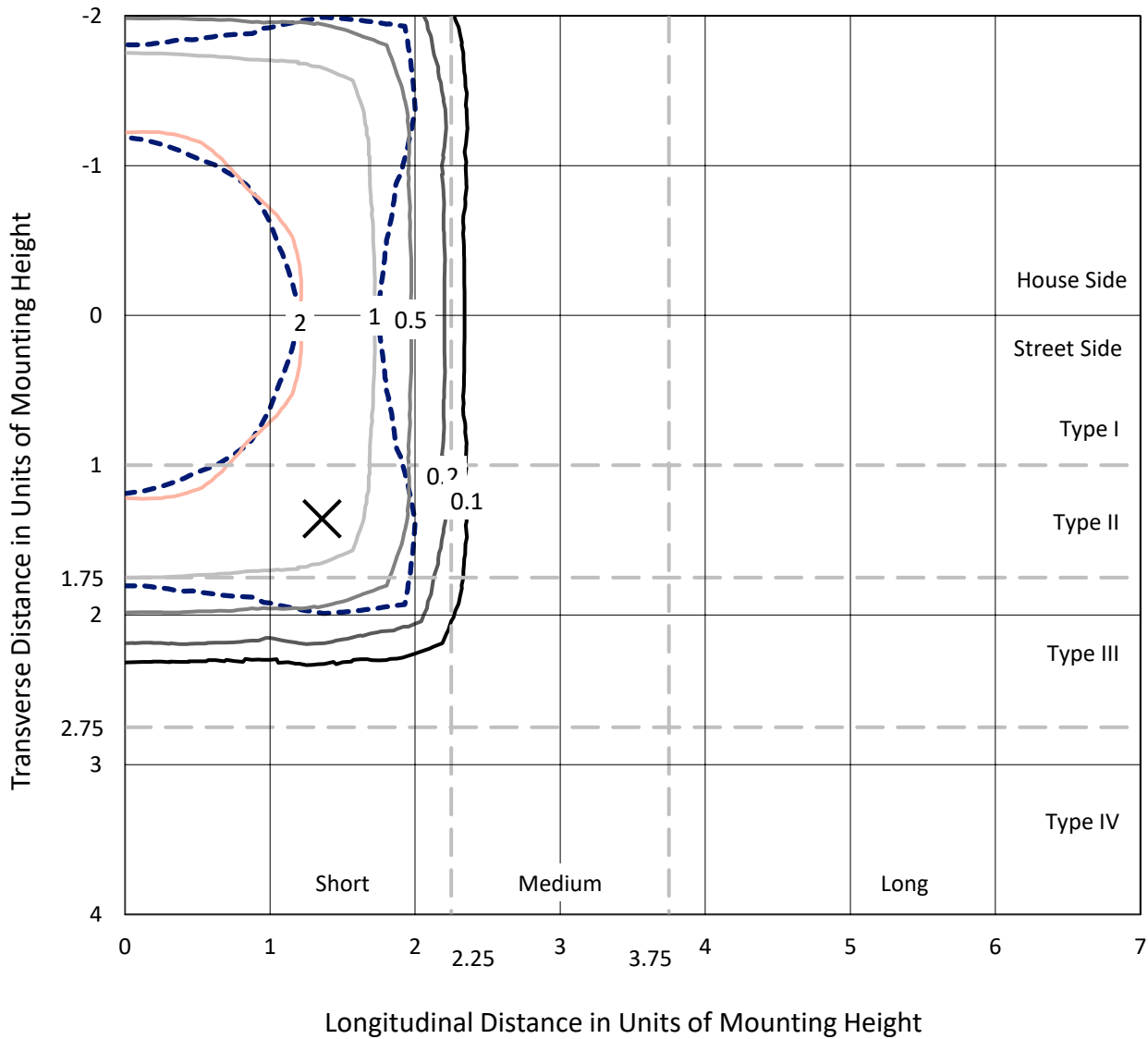
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634388
 CATALOG NUMBER: GWS-SA3B-760-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

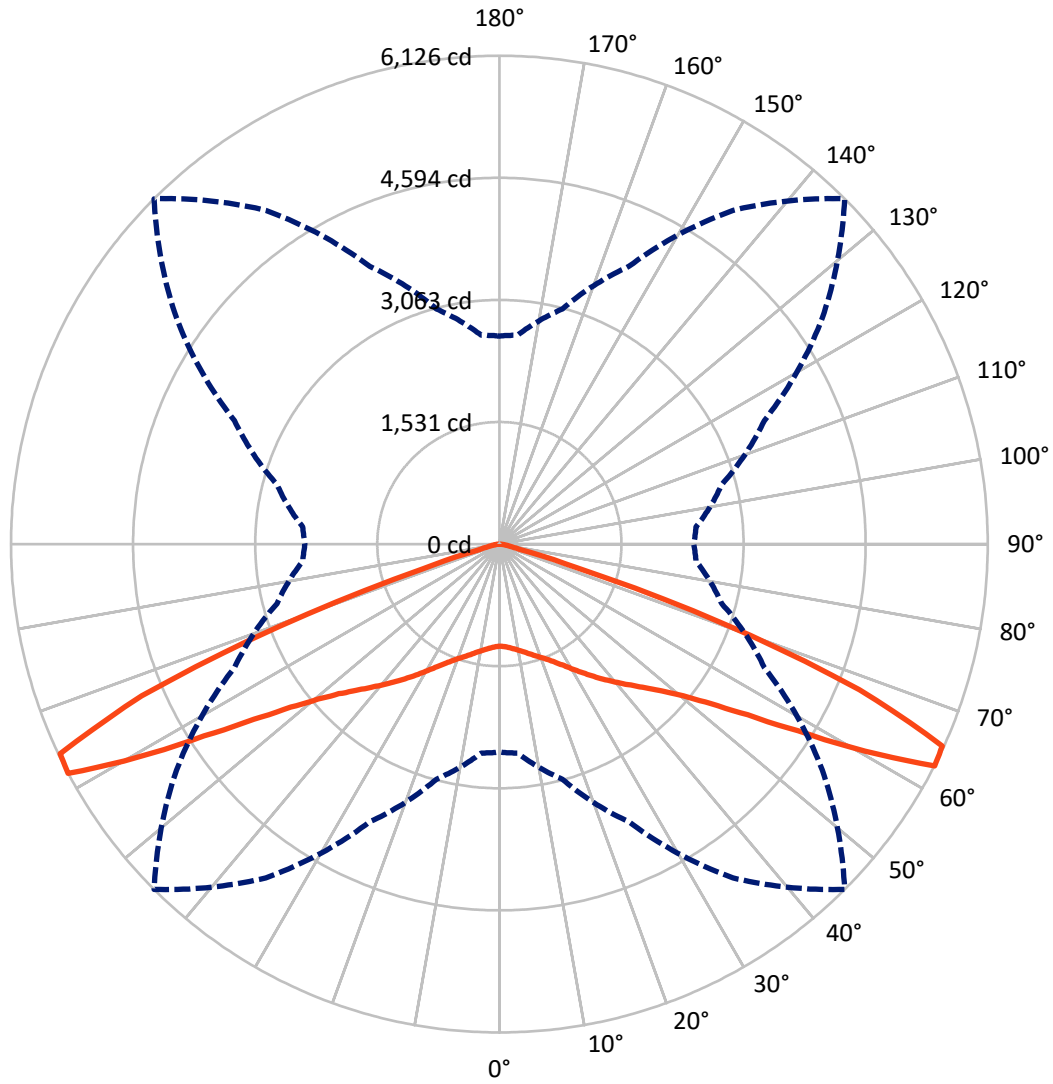
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

REPORT NUMBER: P634388
CATALOG NUMBER: GWS-SA3B-760-U-5NQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634388

CATALOG NUMBER: GWS-SA3B-760-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5484.1	0.0	5484.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5484.1	0.0	5484.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	10968.3	0.0	10968.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.5	1.1
10°-20°	404.9	3.7
20°-30°	766.0	7.0
30°-40°	1289.2	11.8
40°-50°	2059.8	18.8
50°-60°	3320.3	30.3
60°-70°	2709.0	24.7
70°-80°	263.1	2.4
80°-90°	30.6	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°	10968.3	100.0
0°-180°	10968.3	100.0

Coefficient of Utilization



REPORT NUMBER: P634388

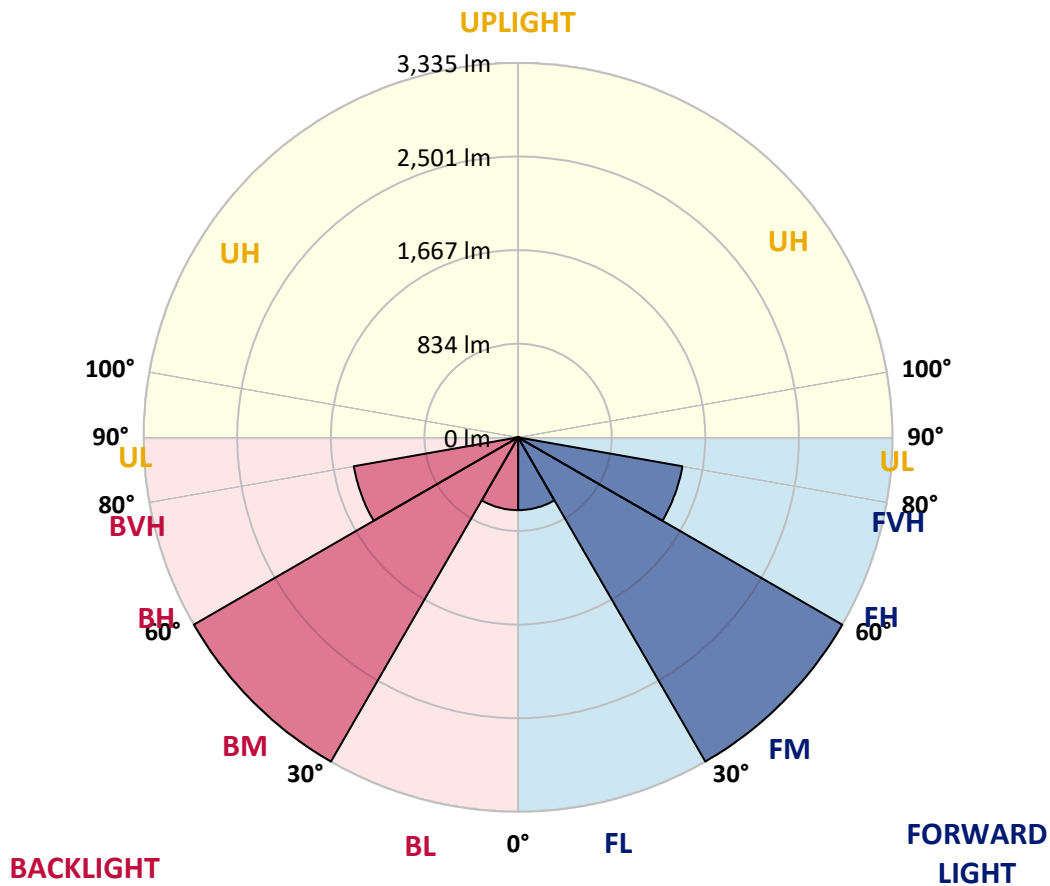
CATALOG NUMBER: GWS-SA3B-760-U-5NQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	648.2	5.9			
FM (30°-60°)	3334.6	30.4			
FH (60°-80°)	1486.0	13.5			G1/1800
FVH (80°-90°)	15.3	0.1			G1/100
BL (0°-30°)	648.2	5.9	B2/1000		
BM (30°-60°)	3334.6	30.4	B3/5000		
BH (60°-80°)	1486.0	13.5	B3/2500		G1/1800
BVH (80°-90°)	15.3	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°	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6
2.5°	1278.1	1278.1	1281.1	1283.4	1281.9	1287.9	1287.1	1285.6	1284.9	1282.6	1289.4
5°	1295.4	1295.4	1297.7	1299.9	1296.1	1303.7	1300.7	1299.2	1298.4	1295.4	1301.4
7.5°	1315.0	1317.2	1318.0	1321.7	1319.5	1327.7	1325.5	1322.5	1321.0	1317.2	1322.5
10°	1336.8	1338.3	1339.0	1345.8	1346.6	1356.3	1354.1	1350.3	1347.3	1343.5	1351.1
12.5°	1366.1	1366.9	1369.1	1377.4	1379.7	1387.2	1386.4	1381.2	1377.4	1372.1	1380.4
15°	1403.7	1404.5	1408.2	1416.5	1420.3	1429.3	1426.3	1418.0	1412.8	1406.7	1413.5
17.5°	1442.8	1445.9	1449.6	1457.9	1463.2	1473.7	1469.9	1460.9	1456.4	1450.4	1454.9
20°	1493.2	1494.0	1496.3	1505.3	1509.0	1521.1	1521.8	1512.8	1510.5	1504.5	1511.3
22.5°	1548.9	1549.7	1551.9	1561.7	1568.5	1576.0	1580.5	1575.2	1571.5	1564.0	1572.2
25°	1610.6	1618.1	1620.4	1632.4	1639.9	1644.4	1649.7	1647.5	1642.2	1633.2	1636.9
27.5°	1697.1	1698.6	1702.4	1715.9	1720.4	1724.9	1730.2	1731.0	1723.4	1712.9	1718.2
30°	1795.7	1794.9	1803.2	1813.7	1817.5	1821.2	1828.8	1833.3	1823.5	1812.2	1817.5
32.5°	1896.5	1905.5	1916.0	1925.8	1923.5	1925.0	1937.1	1945.4	1931.8	1911.5	1916.0
35°	2010.0	2016.1	2029.6	2043.9	2040.9	2038.6	2046.2	2054.4	2035.6	2009.3	2016.1
37.5°	2126.6	2135.7	2156.0	2173.3	2168.8	2158.2	2166.5	2175.5	2157.5	2127.4	2124.4
40°	2256.8	2271.1	2300.4	2314.7	2302.7	2282.4	2296.7	2318.5	2300.4	2265.8	2257.5
42.5°	2409.5	2426.8	2456.1	2478.0	2451.6	2418.5	2442.6	2474.2	2469.7	2423.8	2409.5
45°	2598.3	2609.6	2645.7	2656.2	2617.1	2571.2	2614.9	2663.0	2651.7	2602.1	2583.3
47.5°	2803.7	2821.0	2852.6	2872.1	2809.0	2751.8	2812.7	2877.4	2865.4	2818.7	2796.9
50°	3065.5	3088.0	3129.4	3146.0	3058.7	2993.3	3071.5	3153.5	3130.2	3067.7	3039.1
52.5°	3350.6	3368.6	3439.3	3472.4	3390.5	3319.7	3388.2	3468.7	3419.0	3336.3	3297.9
55°	3601.8	3619.9	3723.7	3833.5	3829.8	3780.9	3815.5	3817.0	3682.3	3545.4	3504.8
57.5°	3656.0	3674.1	3871.9	4159.3	4362.4	4418.8	4317.2	4103.6	3764.3	3524.4	3478.5
60°	3367.1	3387.4	3701.9	4227.0	4895.0	5271.9	4804.0	4097.6	3510.8	3185.8	3142.2
62.5°	2608.8	2630.7	3053.4	3841.8	5110.1	6125.7	4945.4	3666.5	2887.9	2476.5	2438.1
65°	1245.7	1245.7	1782.9	2755.5	4681.3	6105.4	4536.1	2712.7	1738.5	1335.3	1302.2
67.5°	308.4	309.9	458.9	1072.7	3184.3	4872.4	3236.2	1302.2	612.3	433.3	422.0
70°	192.6	191.8	212.9	290.4	1114.1	2957.1	1323.2	392.7	249.0	219.7	218.2
72.5°	149.7	149.7	160.2	185.8	291.9	1007.3	385.9	218.2	180.5	162.5	162.5
75°	118.1	118.1	125.6	139.2	172.3	259.5	205.4	161.7	139.9	127.9	126.4
77.5°	88.0	89.5	95.5	104.6	117.4	145.9	130.1	121.9	109.1	100.1	97.0
80°	57.2	59.4	67.0	72.2	76.7	96.3	85.0	88.8	82.7	72.2	70.7
82.5°	30.8	31.6	40.6	42.1	43.6	52.7	54.2	56.4	58.7	45.9	42.9
85°	11.3	11.3	13.5	15.8	17.3	18.8	25.6	31.6	33.1	26.3	25.6
87.5°	2.3	2.3	2.3	1.5	1.5	1.5	4.5	8.3	13.5	10.5	10.5
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)