

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: P636041

Luminaire Tested: GWS-SA3F-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18258.7 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

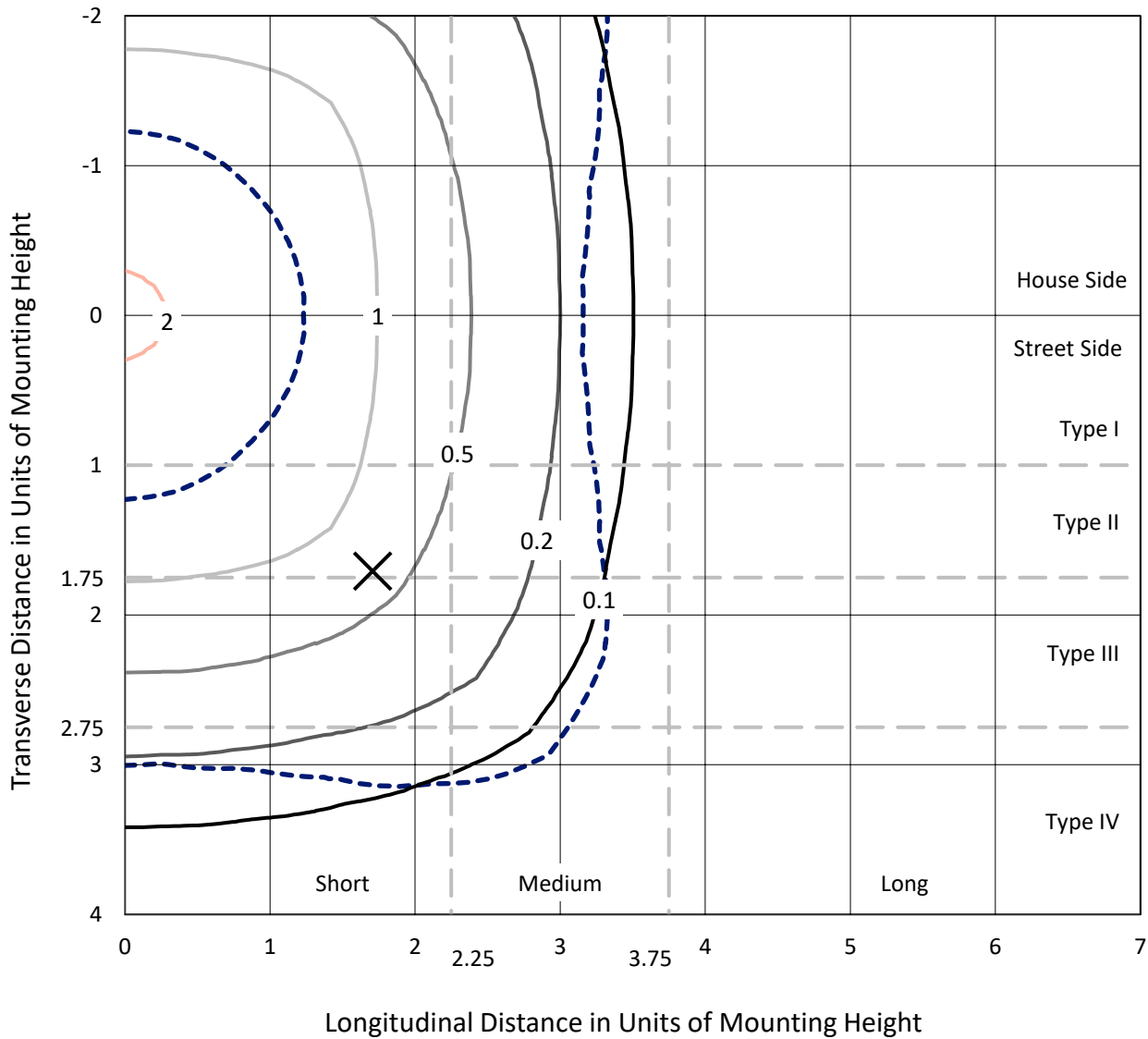
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

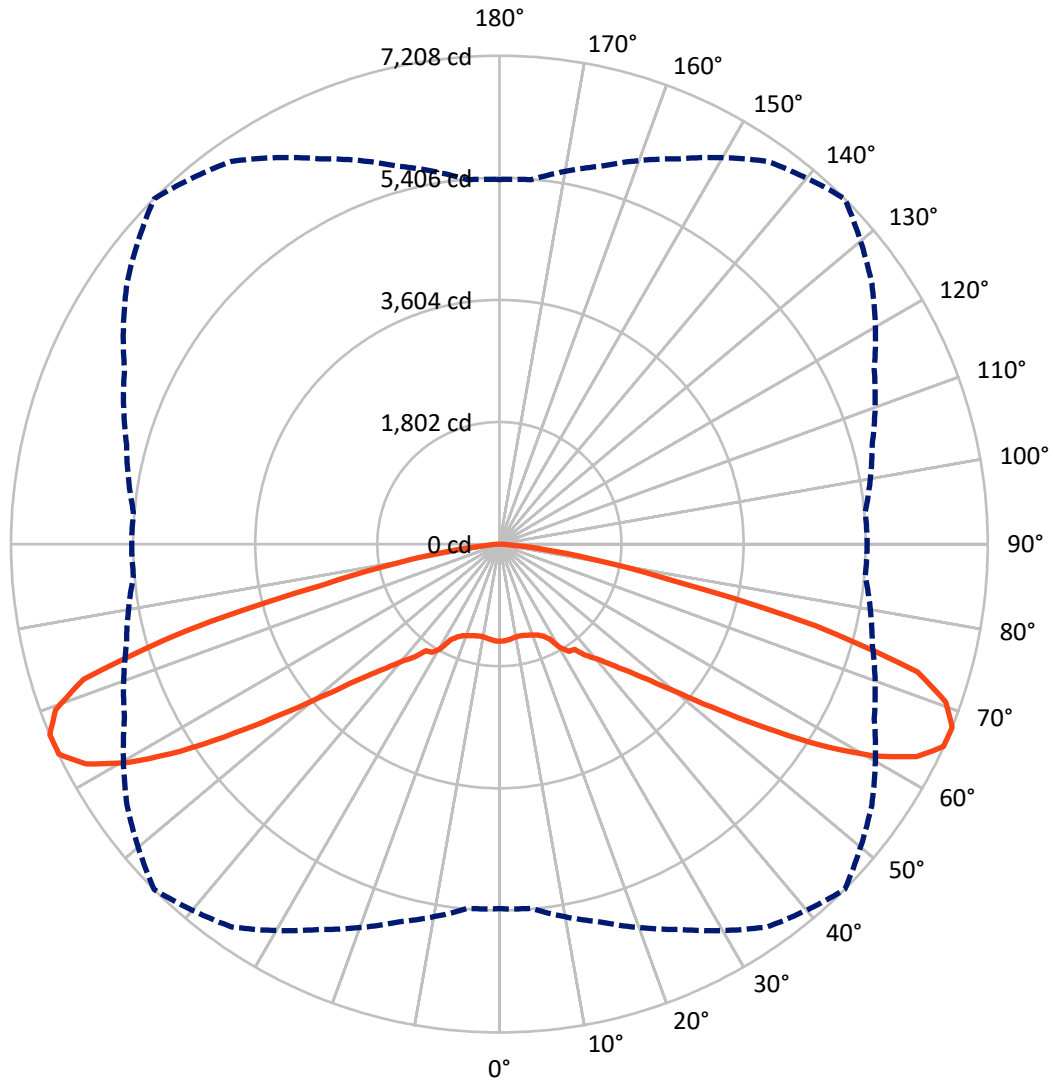
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9129.4	0.0	9129.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9129.4	0.0	9129.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	18258.7	0.0	18258.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	0.7
10°-20°	399.0	2.2
20°-30°	715.7	3.9
30°-40°	1209.0	6.6
40°-50°	2124.2	11.6
50°-60°	4097.6	22.4
60°-70°	5945.1	32.6
70°-80°	3401.5	18.6
80°-90°	232.2	1.3
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°	18258.7	100.0
0°-180°	18258.7	100.0

Coefficient of Utilization



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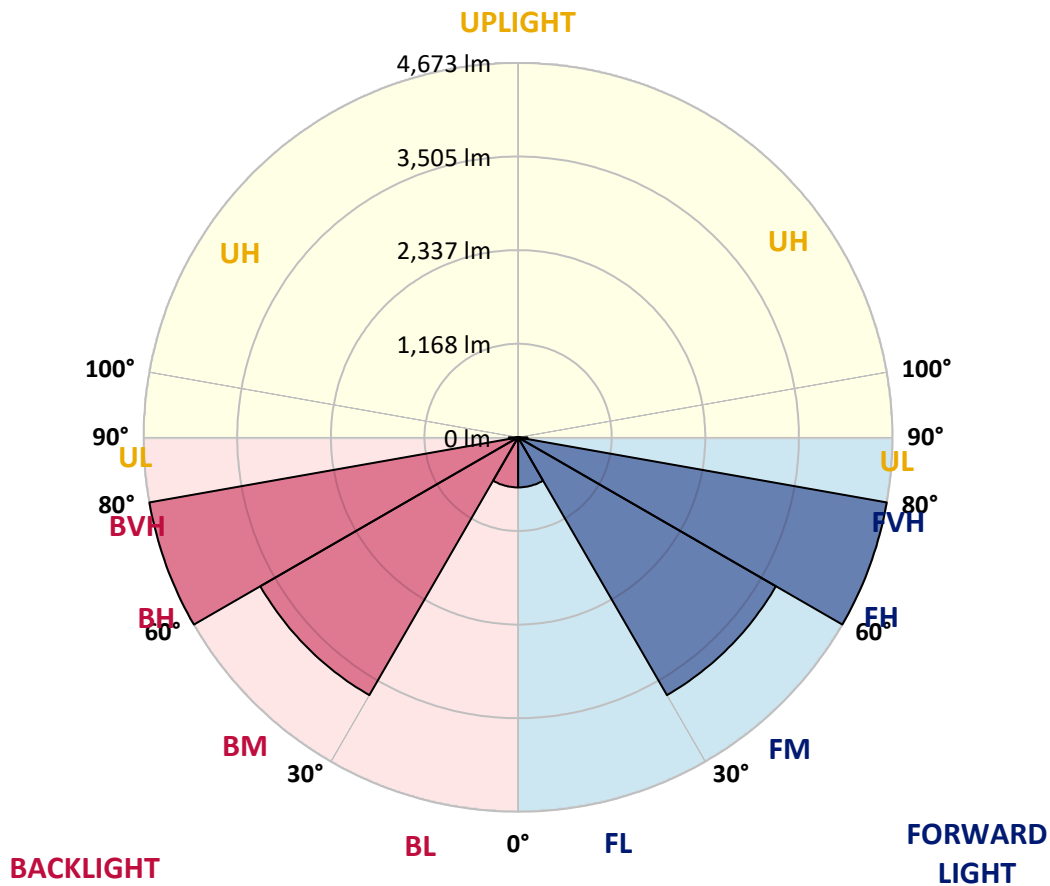
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	624.5	3.4			
FM (30°-60°)	3715.4	20.3			
FH (60°-80°)	4673.3	25.6			G2/5000
FVH (80°-90°)	116.1	0.6			G2/225
BL (0°-30°)	624.5	3.4	B2/1000		
BM (30°-60°)	3715.4	20.3	B3/5000		
BH (60°-80°)	4673.3	25.6	B4/5000		G2/5000
BVH (80°-90°)	116.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1431.9	1431.9	1431.9	1431.9	1431.9	1431.9	1431.9	1431.9	1431.9	1431.9	1431.9
2.5°	1420.2	1421.5	1424.1	1424.1	1426.7	1430.6	1431.9	1429.3	1430.6	1424.1	1430.6
5°	1416.4	1417.7	1418.9	1416.4	1416.4	1417.7	1417.7	1415.1	1416.4	1409.9	1416.4
7.5°	1407.3	1408.6	1408.6	1404.7	1400.9	1403.5	1403.5	1400.9	1402.2	1395.7	1403.5
10°	1399.6	1399.6	1398.3	1390.5	1386.7	1390.5	1391.8	1393.1	1398.3	1393.1	1402.2
12.5°	1404.7	1404.7	1400.9	1390.5	1384.1	1386.7	1389.2	1391.8	1400.9	1399.6	1409.9
15°	1418.9	1420.2	1409.9	1398.3	1394.4	1398.3	1395.7	1394.4	1406.0	1409.9	1421.5
17.5°	1430.6	1430.6	1417.7	1406.0	1407.3	1413.8	1408.6	1402.2	1413.8	1421.5	1434.4
20°	1440.9	1439.6	1425.4	1417.7	1422.8	1431.9	1428.0	1418.9	1426.7	1435.7	1447.3
22.5°	1466.7	1465.4	1449.9	1446.1	1451.2	1460.3	1456.4	1448.6	1457.7	1470.6	1484.8
25°	1540.3	1537.7	1514.5	1501.6	1499.0	1505.4	1504.2	1501.6	1515.8	1531.3	1548.1
27.5°	1638.4	1637.1	1620.4	1607.4	1590.7	1585.5	1589.4	1601.0	1621.6	1633.3	1647.5
30°	1687.5	1687.5	1684.9	1705.6	1741.7	1776.6	1749.5	1705.6	1687.5	1682.3	1696.5
32.5°	1752.1	1758.5	1749.5	1772.7	1833.4	1885.0	1833.4	1762.4	1749.5	1749.5	1765.0
35°	1900.5	1903.1	1888.9	1885.0	1904.4	1910.9	1886.3	1860.5	1874.7	1877.3	1896.7
37.5°	2019.3	2019.3	2012.9	2023.2	2063.2	2087.7	2047.7	2001.2	2005.1	2007.7	2032.2
40°	2202.7	2207.8	2192.3	2191.0	2206.5	2228.5	2185.9	2156.2	2176.8	2183.3	2220.7
42.5°	2431.2	2431.2	2407.9	2401.5	2411.8	2435.1	2395.0	2375.7	2402.8	2407.9	2429.9
45°	2703.6	2710.1	2679.1	2667.5	2672.6	2680.4	2652.0	2642.9	2668.8	2680.4	2719.1
47.5°	3035.4	3041.9	3014.8	3013.5	3008.3	3013.5	2986.4	2981.2	3001.9	2992.8	3034.1
50°	3444.7	3456.3	3433.1	3465.4	3461.5	3477.0	3439.6	3412.4	3412.4	3387.9	3411.1
52.5°	3903.1	3926.3	3937.9	3992.2	4033.5	4072.2	4010.2	3967.6	3905.6	3855.3	3918.6
55°	4402.7	4396.3	4469.9	4588.6	4710.0	4801.7	4680.3	4546.0	4445.3	4340.8	4365.3
57.5°	4840.4	4862.4	4959.2	5176.1	5416.3	5609.9	5391.7	5133.5	4905.0	4755.2	4775.9
60°	5204.5	5222.6	5351.7	5664.2	6083.8	6351.0	6005.0	5578.9	5247.1	5040.5	5062.5
62.5°	5540.2	5557.0	5687.4	6032.1	6561.5	6910.1	6463.4	5881.1	5511.8	5303.9	5316.8
65°	5733.9	5744.2	5922.4	6285.2	6842.9	7203.2	6699.6	6099.3	5736.5	5524.7	5532.5
67.5°	5381.4	5398.2	5773.9	6274.9	6897.2	7208.3	6710.0	6105.7	5697.7	5421.4	5427.9
70°	4245.2	4231.0	4679.0	5540.2	6586.0	6991.4	6411.7	5647.4	5017.3	4631.3	4624.8
72.5°	3236.8	3240.7	3489.9	4079.9	5369.8	6451.7	5657.7	4547.3	3868.2	3575.1	3563.5
75°	2347.3	2383.4	2586.1	3018.6	3755.9	4822.3	4259.4	3369.8	2915.4	2739.8	2713.9
77.5°	1057.4	1103.9	1386.7	1895.4	2511.2	2664.9	2675.2	2287.9	1726.2	1434.4	1389.2
80°	308.6	330.5	424.8	726.9	1169.8	1511.9	1200.7	1009.7	628.8	493.2	470.0
82.5°	130.4	148.5	182.0	201.4	339.6	701.1	436.4	277.6	258.2	209.2	191.1
85°	55.5	59.4	76.2	81.3	109.7	149.8	138.2	125.2	120.1	93.0	85.2
87.5°	23.2	23.2	23.2	20.7	19.4	20.7	28.4	36.2	47.8	37.4	34.9
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)