

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: P639506

Luminaire Tested: GWS-SA5C-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639506
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-SA5C-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17782.2 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

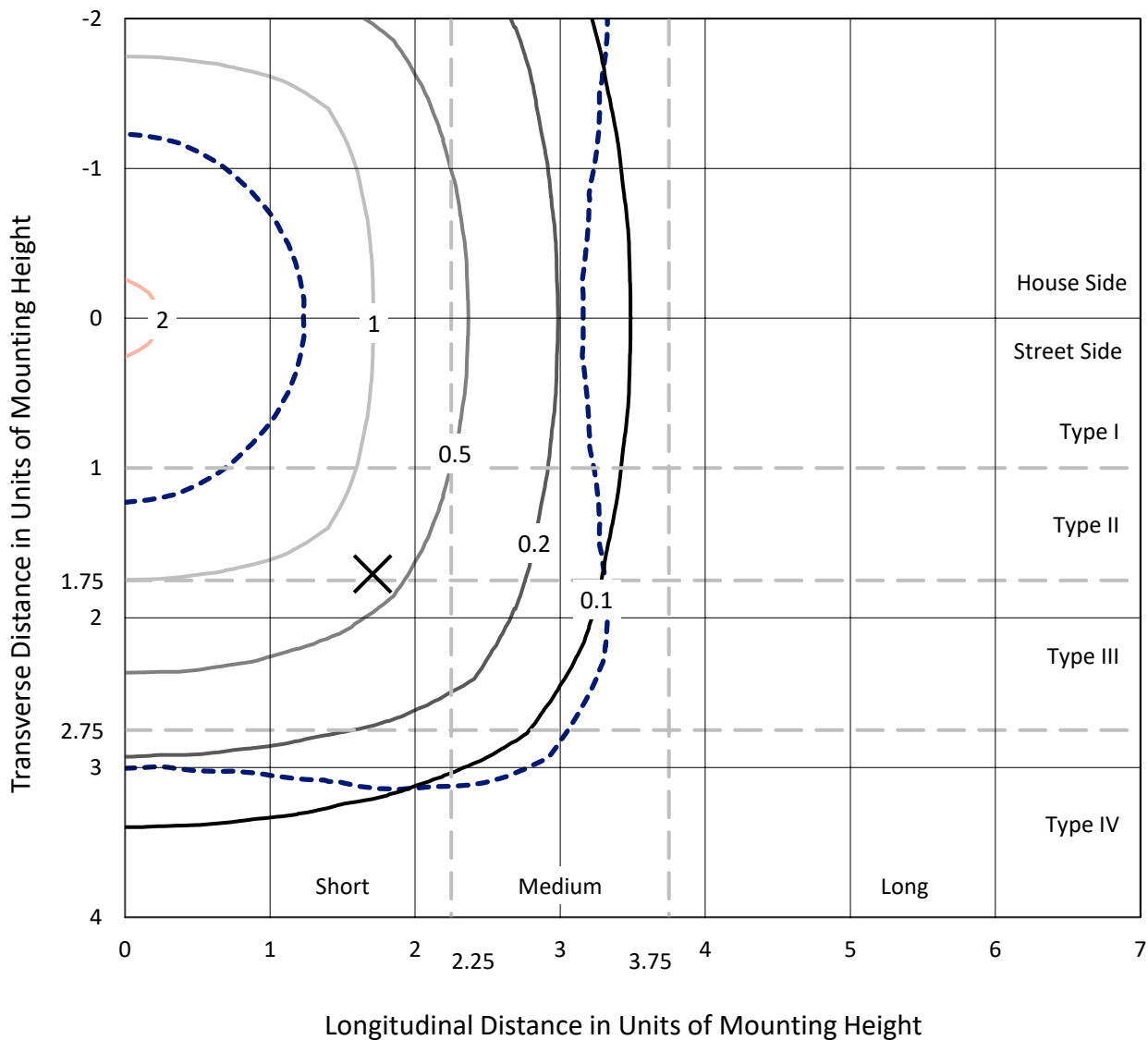
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

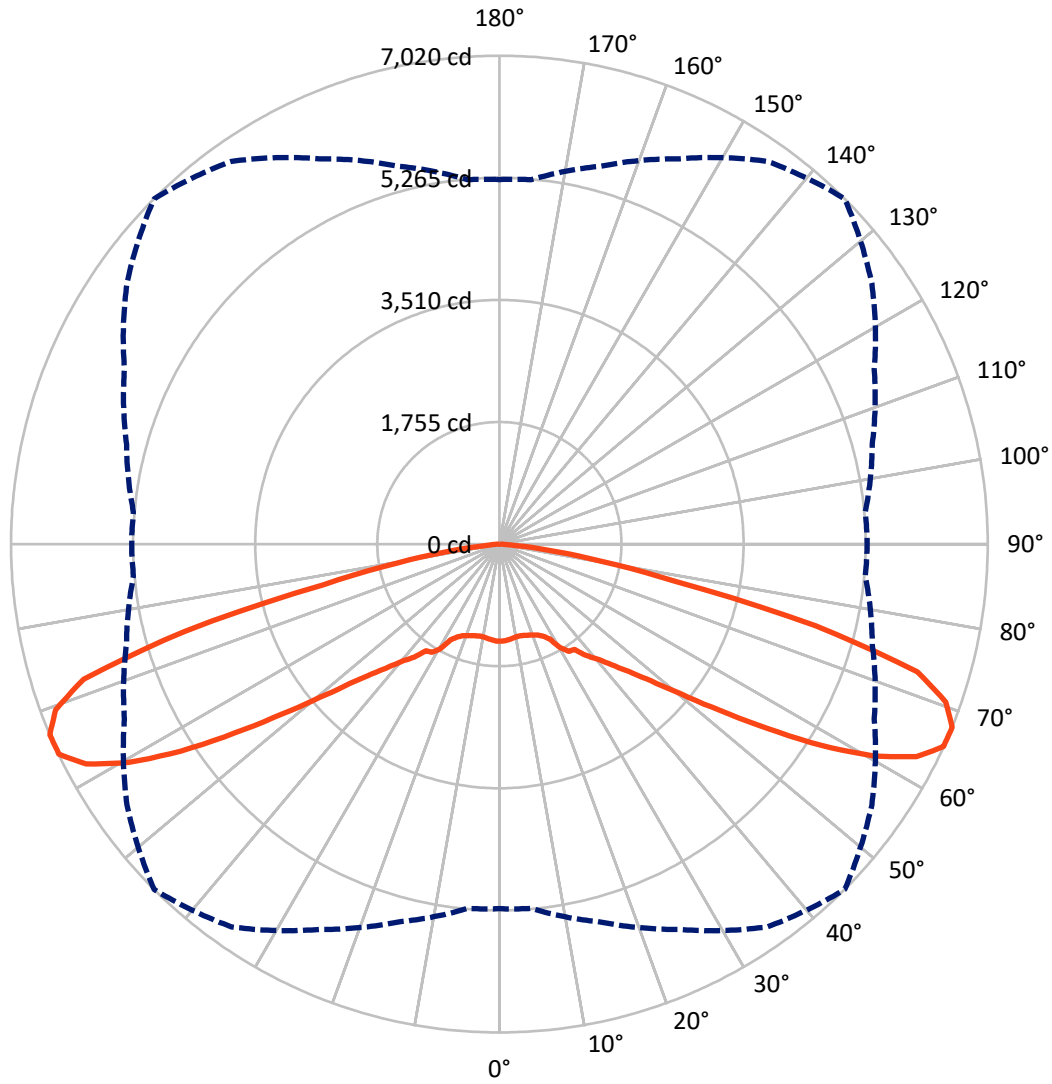
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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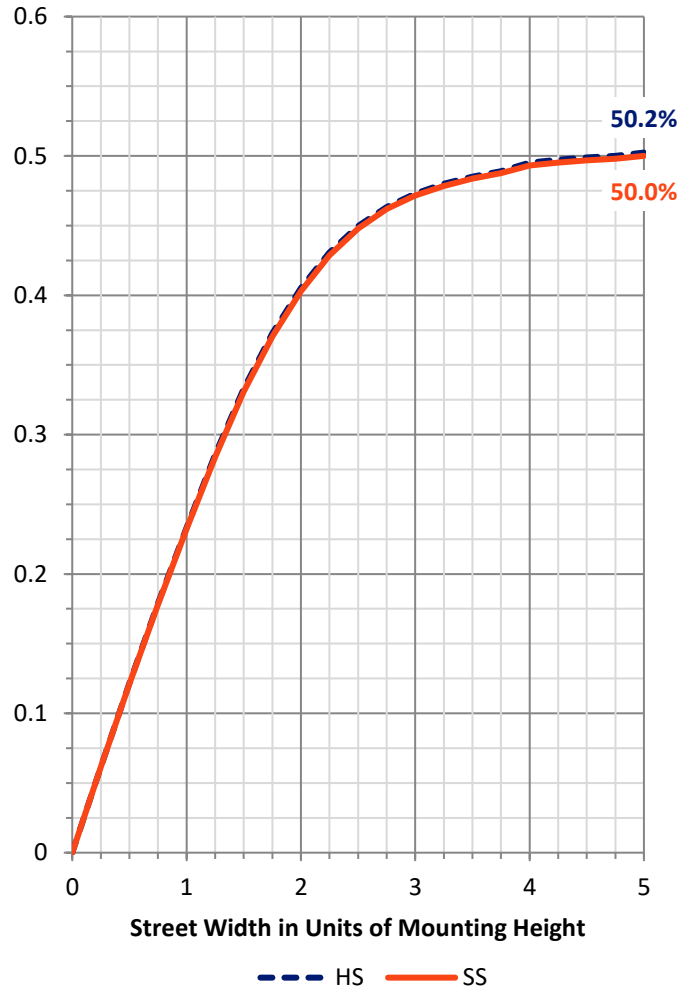
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8891.1	0.0	8891.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8891.1	0.0	8891.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	17782.2	0.0	17782.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.9	0.7
10°-20°	388.6	2.2
20°-30°	697.0	3.9
30°-40°	1177.4	6.6
40°-50°	2068.7	11.6
50°-60°	3990.7	22.4
60°-70°	5790.0	32.6
70°-80°	3312.8	18.6
80°-90°	226.1	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°	17782.2	100.0
0°-180°	17782.2	100.0

Coefficient of Utilization



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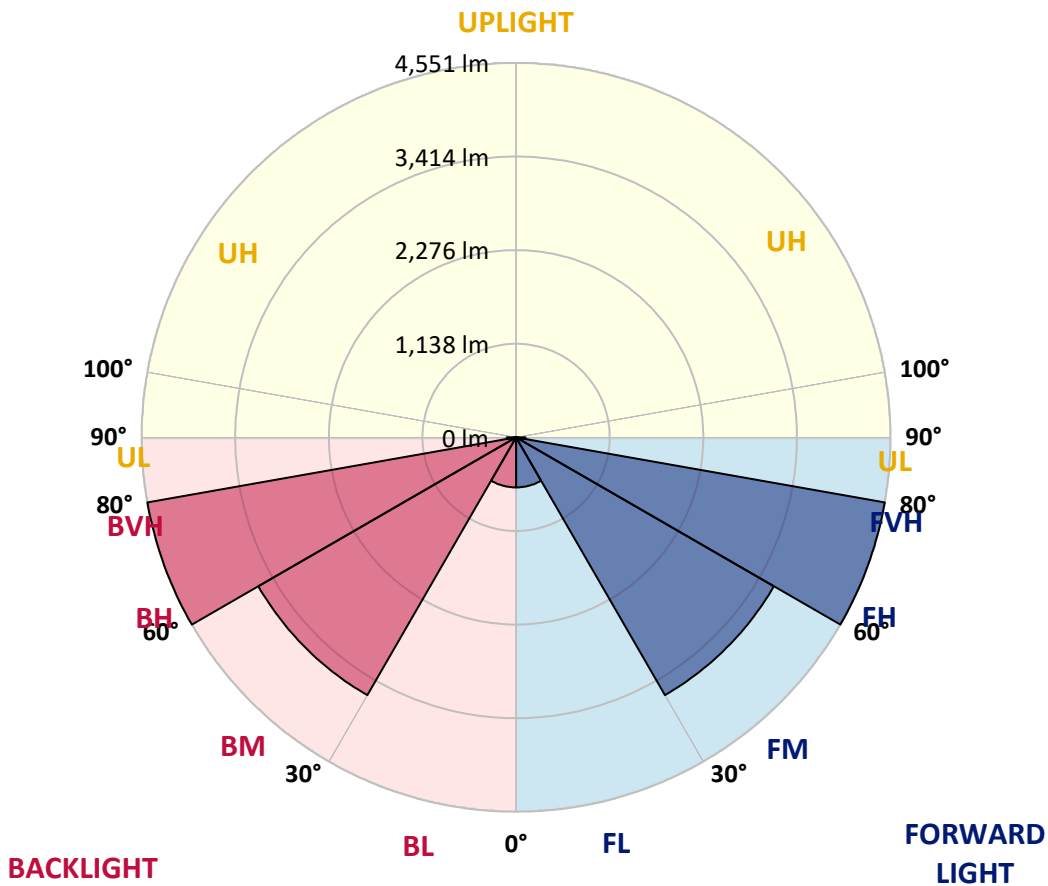
CATALOG NUMBER: GWS-SA5C-722-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	608.2	3.4			
FM (30°-60°)	3618.4	20.3			
FH (60°-80°)	4551.4	25.6			G2/5000
FVH (80°-90°)	113.0	0.6			G2/225
BL (0°-30°)	608.2	3.4	B2/1000		
BM (30°-60°)	3618.4	20.3	B3/5000		
BH (60°-80°)	4551.4	25.6	B4/5000		G2/5000
BVH (80°-90°)	113.0	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°	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5
2.5°	1383.2	1384.4	1386.9	1386.9	1389.5	1393.2	1394.5	1392.0	1393.2	1386.9	1393.2
5°	1379.4	1380.7	1381.9	1379.4	1379.4	1380.7	1380.7	1378.1	1379.4	1373.1	1379.4
7.5°	1370.6	1371.9	1371.9	1368.1	1364.3	1366.8	1366.8	1364.3	1365.6	1359.3	1366.8
10°	1363.1	1363.1	1361.8	1354.2	1350.5	1354.2	1355.5	1356.8	1361.8	1356.8	1365.6
12.5°	1368.1	1368.1	1364.3	1354.2	1348.0	1350.5	1353.0	1355.5	1364.3	1363.1	1373.1
15°	1381.9	1383.2	1373.1	1361.8	1358.0	1361.8	1359.3	1358.0	1369.3	1373.1	1384.4
17.5°	1393.2	1393.2	1380.7	1369.3	1370.6	1376.9	1371.9	1365.6	1376.9	1384.4	1397.0
20°	1403.3	1402.0	1388.2	1380.7	1385.7	1394.5	1390.7	1381.9	1389.5	1398.3	1409.6
22.5°	1428.4	1427.2	1412.1	1408.3	1413.3	1422.2	1418.4	1410.8	1419.6	1432.2	1446.0
25°	1500.1	1497.6	1475.0	1462.4	1459.9	1466.2	1464.9	1462.4	1476.2	1491.3	1507.7
27.5°	1595.7	1594.4	1578.1	1565.5	1549.2	1544.1	1547.9	1559.2	1579.3	1590.6	1604.5
30°	1643.5	1643.5	1640.9	1661.1	1696.3	1730.2	1703.8	1661.1	1643.5	1638.4	1652.3
32.5°	1706.3	1712.6	1703.8	1726.4	1785.5	1835.8	1785.5	1716.4	1703.8	1703.8	1718.9
35°	1850.9	1853.4	1839.6	1835.8	1854.7	1861.0	1837.1	1812.0	1825.8	1828.3	1847.2
37.5°	1966.6	1966.6	1960.3	1970.4	2009.4	2033.3	1994.3	1949.0	1952.8	1955.3	1979.2
40°	2145.2	2150.2	2135.1	2133.9	2148.9	2170.3	2128.8	2099.9	2120.0	2126.3	2162.8
42.5°	2367.7	2367.7	2345.1	2338.8	2348.9	2371.5	2332.5	2313.7	2340.1	2345.1	2366.5
45°	2633.1	2639.3	2609.2	2597.8	2602.9	2610.4	2582.8	2574.0	2599.1	2610.4	2648.1
47.5°	2956.2	2962.5	2936.1	2934.8	2929.8	2934.8	2908.4	2903.4	2923.5	2914.7	2955.0
50°	3354.8	3366.1	3343.5	3374.9	3371.2	3386.3	3349.8	3323.4	3323.4	3299.5	3322.1
52.5°	3801.2	3823.8	3835.2	3888.0	3928.2	3965.9	3905.6	3864.1	3803.7	3754.7	3816.3
55°	4287.8	4281.5	4353.2	4468.9	4587.1	4676.4	4558.2	4427.4	4329.3	4227.5	4251.4
57.5°	4714.1	4735.5	4829.8	5041.0	5274.9	5463.5	5251.0	4999.5	4777.0	4631.1	4651.2
60°	5068.7	5086.3	5212.0	5516.3	5925.0	6185.3	5848.3	5433.3	5110.2	4909.0	4930.4
62.5°	5395.6	5412.0	5539.0	5874.7	6390.2	6729.8	6294.7	5727.6	5368.0	5165.5	5178.1
65°	5584.2	5594.3	5767.8	6121.2	6664.4	7015.2	6524.8	5940.1	5586.8	5380.5	5388.1
67.5°	5241.0	5257.3	5623.2	6111.1	6717.2	7020.2	6534.9	5946.4	5549.0	5279.9	5286.2
70°	4134.4	4120.6	4556.9	5395.6	6414.1	6809.0	6244.4	5500.0	4886.4	4510.4	4504.1
72.5°	3152.4	3156.1	3398.8	3973.5	5229.6	6283.4	5510.0	4428.7	3767.3	3481.8	3470.5
75°	2286.0	2321.2	2518.6	2939.9	3657.9	4696.5	4148.3	3281.9	2839.3	2668.3	2643.1
77.5°	1029.8	1075.1	1350.5	1845.9	2445.7	2595.3	2605.4	2228.2	1681.2	1397.0	1353.0
80°	300.5	321.9	413.7	707.9	1139.2	1472.4	1169.4	983.3	612.4	480.3	457.7
82.5°	127.0	144.6	177.3	196.2	330.7	682.8	425.0	270.3	251.5	203.7	186.1
85°	54.1	57.8	74.2	79.2	106.9	145.9	134.5	122.0	116.9	90.5	83.0
87.5°	22.6	22.6	22.6	20.1	18.9	20.1	27.7	35.2	46.5	36.5	34.0
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)