

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: STREETWORKS

Report Number: P386831

Luminaire Tested: GAW-SA2C-735-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2C-735-U-RW
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14173.6 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

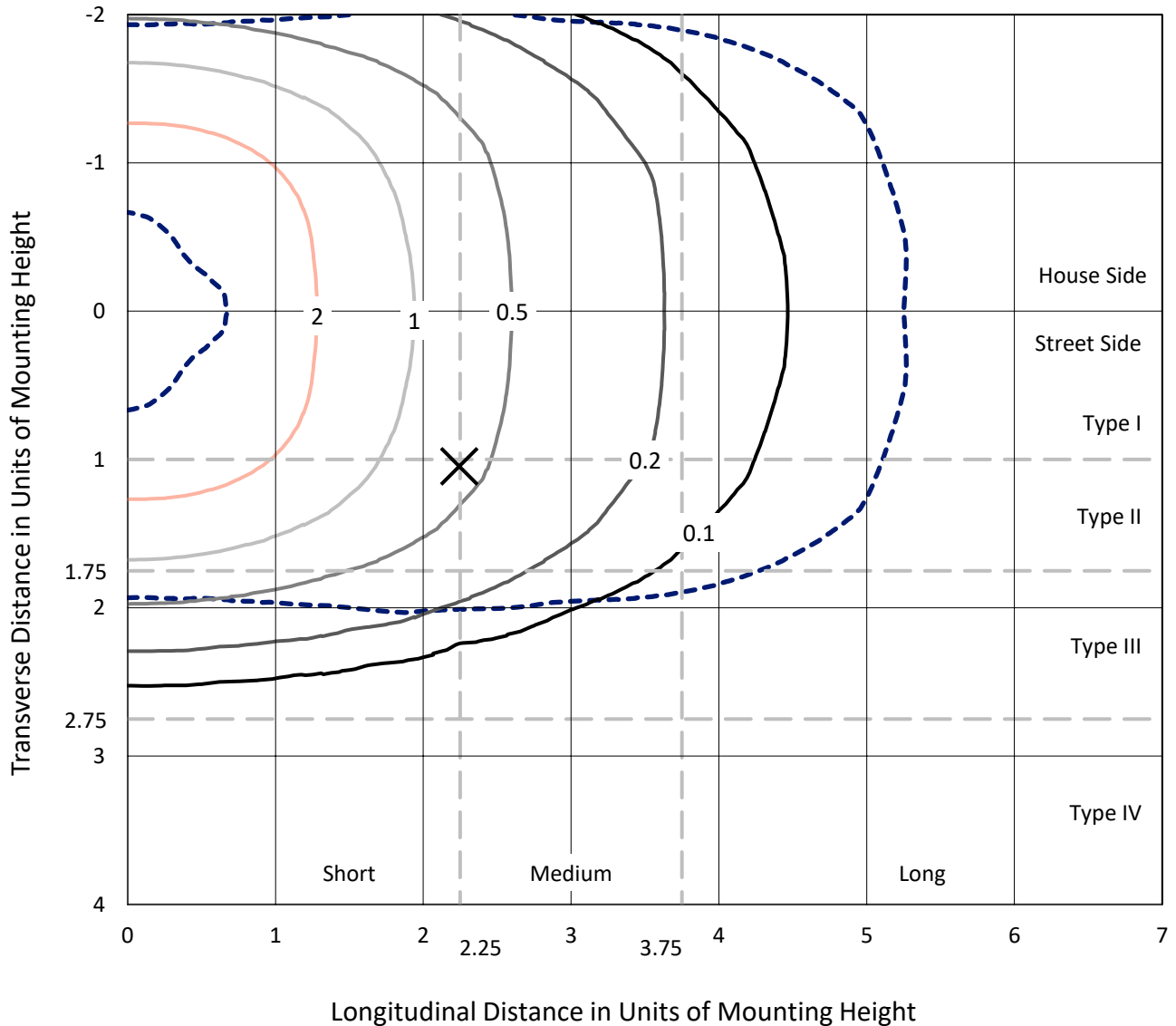
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

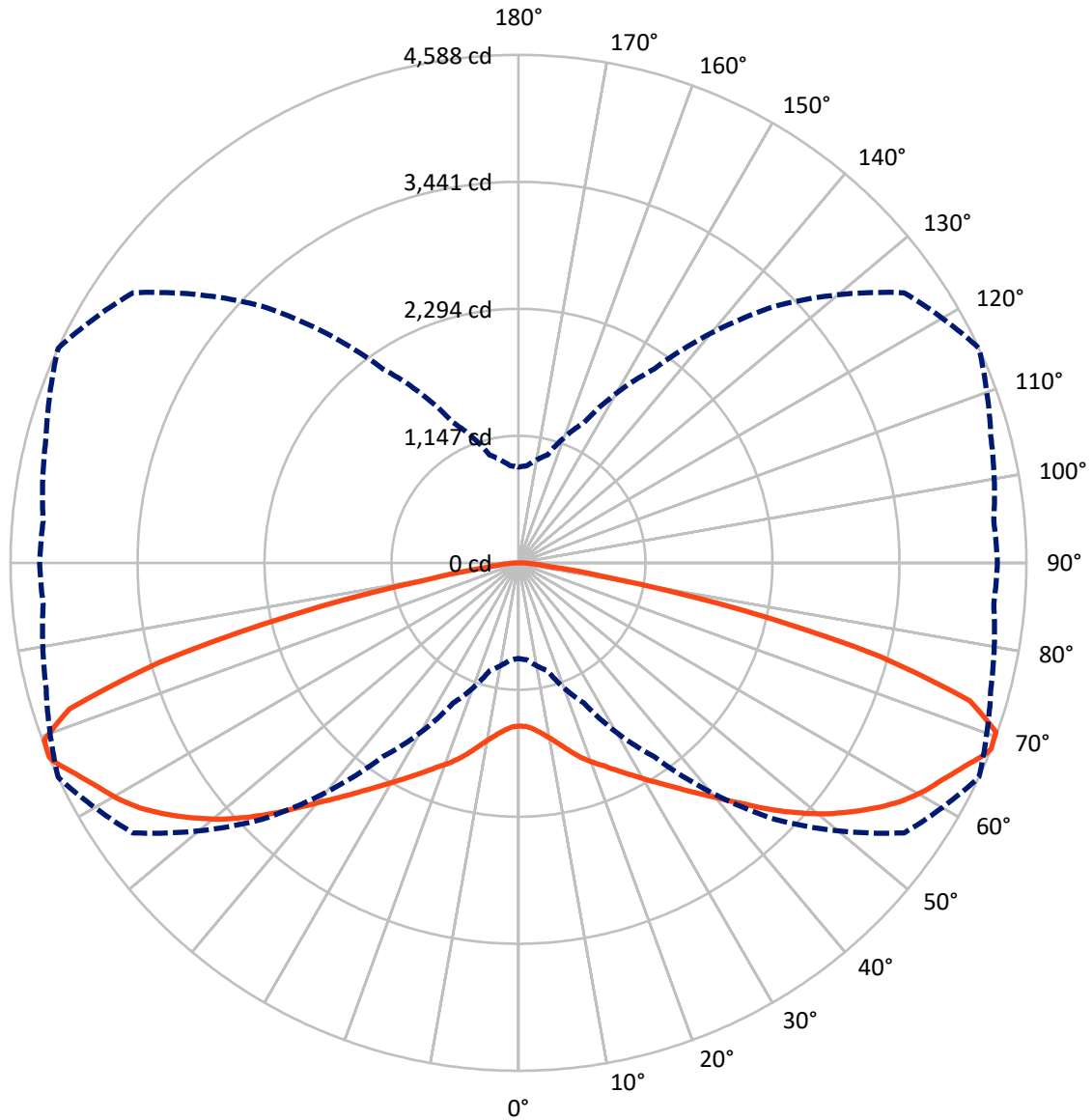
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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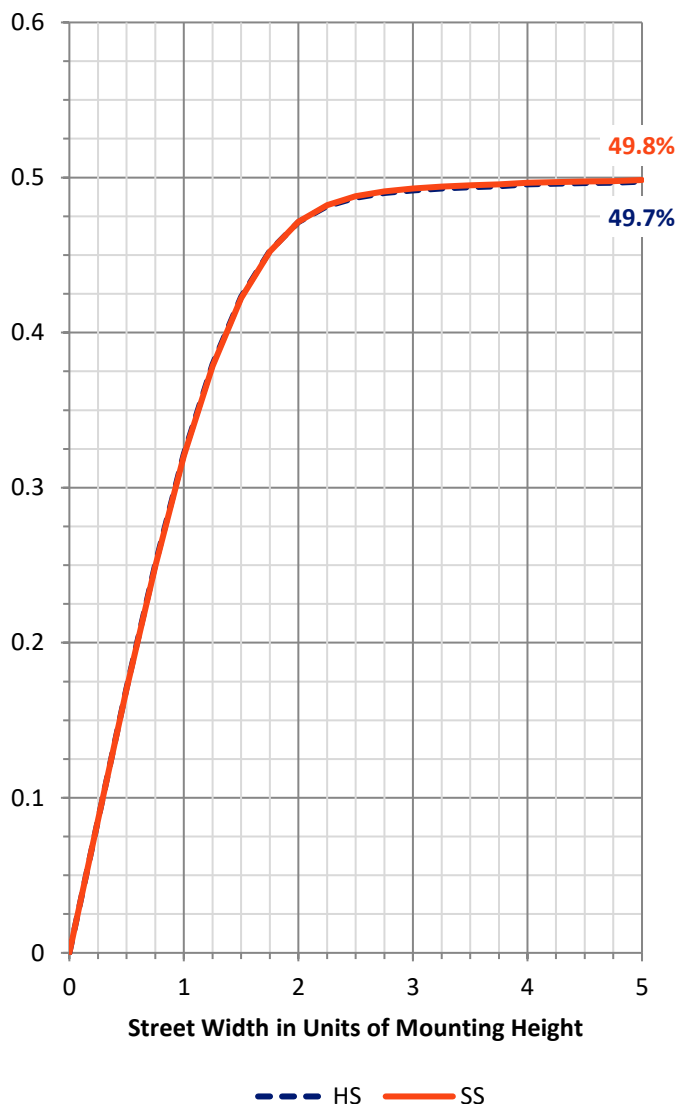
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7086.8	0.0	7086.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7086.8	0.0	7086.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14173.6	0.0	14173.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.3	1.0
10°-20°	483.1	3.4
20°-30°	942.0	6.6
30°-40°	1582.5	11.2
40°-50°	2493.4	17.6
50°-60°	3334.5	23.5
60°-70°	3241.6	22.9
70°-80°	1772.0	12.5
80°-90°	180.2	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°	14173.6	100.0
0°-180°	14173.6	100.0

Coefficient of Utilization



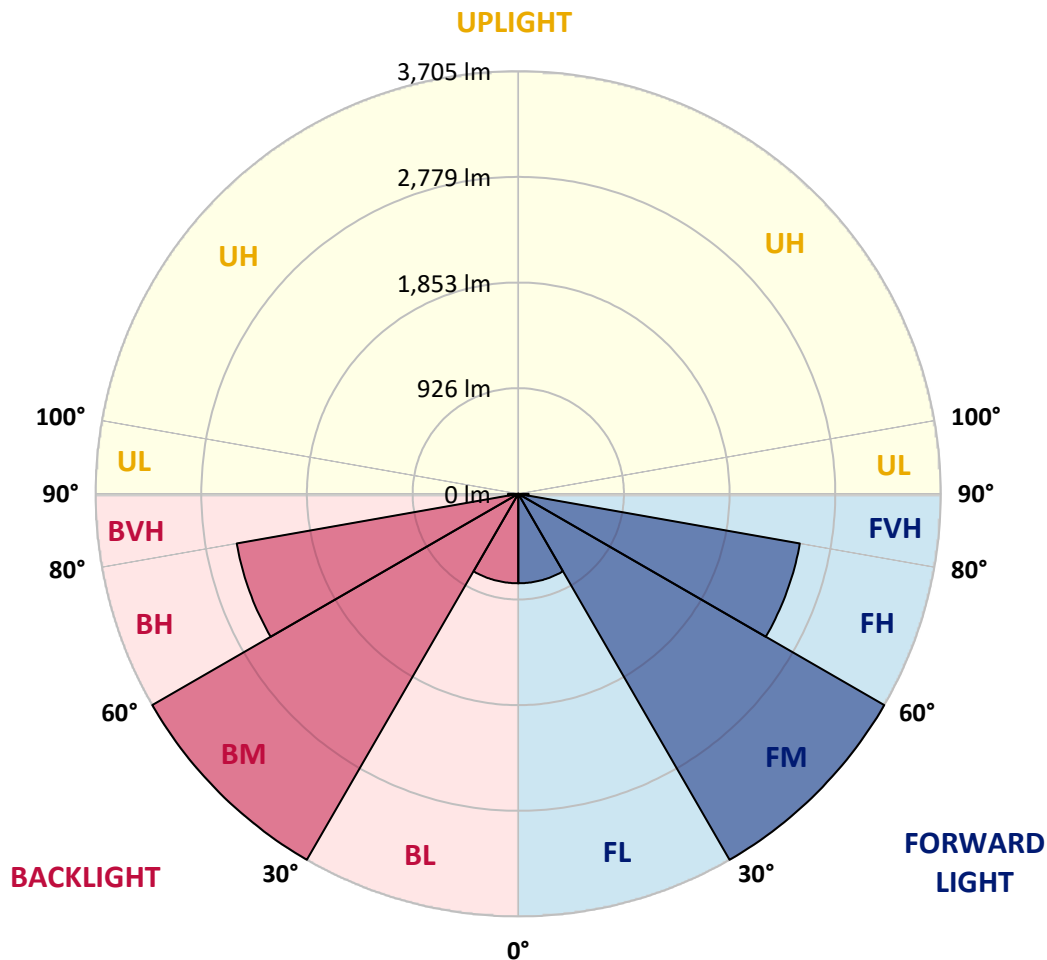
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	784.7	5.5			
FM	(30°-60°)	3705.2	26.1			
FH	(60°-80°)	2506.8	17.7			G2/5000
FVH	(80°-90°)	90.1	0.6			G1/100
BL	(0°-30°)	784.7	5.5	B2/1000		
BM	(30°-60°)	3705.2	26.1	B3/5000		
BH	(60°-80°)	2506.8	17.7	B4/5000		G4/5000
BVH	(80°-90°)	90.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7
2.5°	1463.3	1463.8	1466.1	1468.9	1471.4	1477.5	1479.0	1481.3	1482.3	1484.6	1484.6
5°	1450.4	1451.4	1457.1	1464.7	1473.3	1488.5	1499.4	1511.8	1517.9	1524.5	1524.1
7.5°	1449.0	1451.4	1459.4	1471.8	1486.1	1511.3	1534.0	1558.8	1575.5	1590.6	1589.6
10°	1463.8	1467.5	1479.0	1497.5	1518.9	1550.2	1584.0	1617.3	1646.2	1669.5	1670.4
12.5°	1486.1	1490.8	1508.9	1536.9	1569.3	1609.7	1649.6	1687.1	1727.0	1761.7	1764.6
15°	1515.5	1521.7	1548.8	1590.6	1640.1	1688.1	1730.8	1769.3	1815.4	1863.4	1868.2
17.5°	1559.3	1567.8	1603.5	1660.0	1725.1	1777.9	1822.5	1851.5	1890.1	1939.5	1948.5
20°	1625.8	1636.7	1681.9	1749.3	1828.7	1883.9	1918.1	1924.3	1943.2	1987.5	1997.9
22.5°	1712.3	1721.8	1772.2	1852.5	1941.4	2001.2	2019.3	1994.6	1992.6	2028.3	2038.3
25°	1808.8	1817.4	1875.8	1966.1	2061.6	2127.6	2127.2	2079.2	2045.9	2073.4	2084.0
27.5°	1917.1	1930.5	1986.5	2081.5	2183.7	2248.8	2245.1	2170.9	2107.7	2114.9	2123.9
30°	2041.6	2056.3	2111.0	2207.5	2309.7	2373.4	2368.6	2270.7	2175.6	2156.7	2163.3
32.5°	2196.1	2213.7	2265.4	2360.5	2450.8	2508.3	2494.6	2379.0	2257.4	2216.0	2222.2
35°	2381.9	2392.4	2447.0	2540.6	2613.9	2653.2	2624.3	2504.5	2361.0	2311.1	2311.1
37.5°	2570.1	2578.2	2639.5	2730.3	2801.1	2821.9	2765.4	2641.9	2496.4	2425.6	2427.0
40°	2750.7	2772.5	2841.5	2934.6	3004.5	3010.2	2935.0	2798.6	2647.1	2573.9	2582.5
42.5°	2939.4	2960.8	3043.0	3148.5	3210.3	3219.8	3131.8	2974.5	2817.2	2757.8	2767.4
45°	3107.6	3124.7	3219.8	3342.4	3419.4	3444.1	3340.0	3176.0	3001.2	2943.1	2945.6
47.5°	3224.9	3247.3	3351.9	3496.3	3608.5	3646.5	3544.3	3372.3	3182.2	3111.8	3118.0
50°	3331.5	3343.3	3449.3	3607.1	3749.7	3828.0	3740.6	3566.2	3365.2	3290.6	3297.2
52.5°	3390.8	3406.1	3508.7	3673.1	3841.8	3968.3	3915.0	3740.6	3542.0	3469.3	3477.4
55°	3349.5	3360.9	3484.0	3687.9	3898.9	4054.7	4062.8	3911.3	3715.4	3651.7	3674.5
57.5°	3161.2	3175.5	3325.7	3592.8	3906.0	4113.2	4174.0	4069.5	3877.4	3825.7	3839.0
60°	2867.1	2876.1	3036.3	3336.6	3767.3	4137.5	4244.8	4198.7	4036.2	3984.4	4002.5
62.5°	2342.9	2356.3	2547.7	2950.3	3474.0	4065.7	4313.3	4305.7	4184.0	4136.5	4152.7
65°	1601.6	1624.9	1836.8	2345.8	3022.0	3846.2	4375.5	4430.2	4314.7	4254.8	4276.2
67.5°	967.1	984.2	1137.7	1548.8	2312.5	3403.2	4311.3	4571.8	4406.9	4310.4	4328.0
68°	864.4	880.1	1008.4	1397.7	2139.1	3278.2	4252.9	4588.0	4416.8	4309.5	4325.2
70°	522.3	532.7	618.8	864.0	1426.2	2600.5	3854.2	4574.7	4480.5	4322.8	4331.8
72.5°	340.2	343.6	357.8	443.4	728.5	1454.3	2892.8	4262.9	4576.1	4400.2	4398.8
75°	282.8	280.9	282.3	292.2	359.3	637.8	1690.4	3367.5	4362.3	4278.1	4248.1
77.5°	239.1	237.7	237.1	237.7	240.5	307.9	733.8	2097.7	3338.0	3784.3	3810.9
80°	193.4	191.5	197.7	194.8	186.3	191.5	307.5	872.5	1573.5	1692.8	1586.4
82.5°	140.6	133.6	160.2	152.6	145.4	135.0	169.7	281.8	375.5	257.6	181.0
85°	108.3	100.8	121.7	117.0	99.8	69.0	100.8	137.8	152.1	87.0	68.4
87.5°	44.2	46.6	87.9	69.4	58.4	33.3	41.3	55.1	74.1	37.1	28.6
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)