

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: P387055

Luminaire Tested: GAW-SA2D-740-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P387055
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-SA2D-740-U-RW
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16553 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

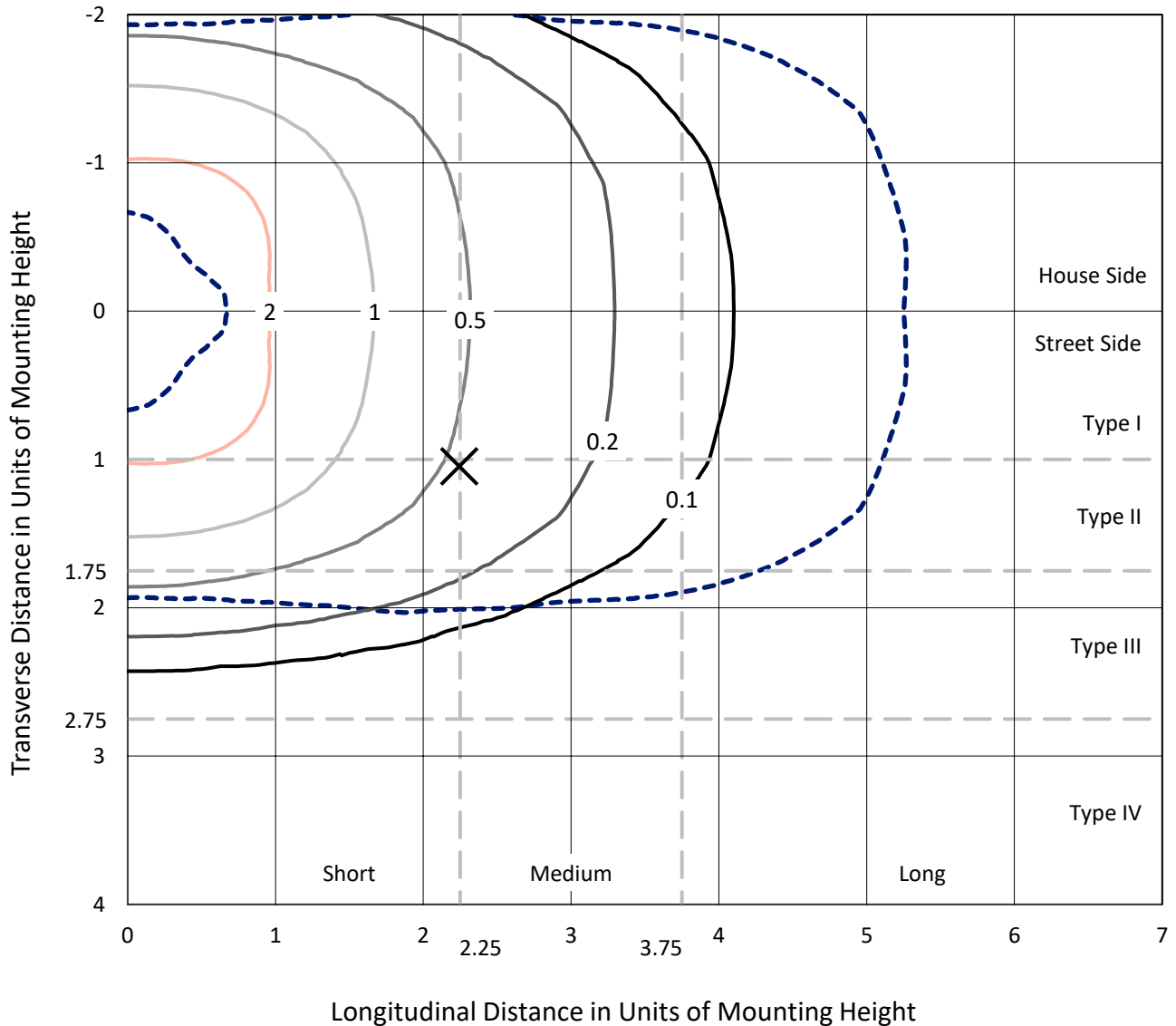
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

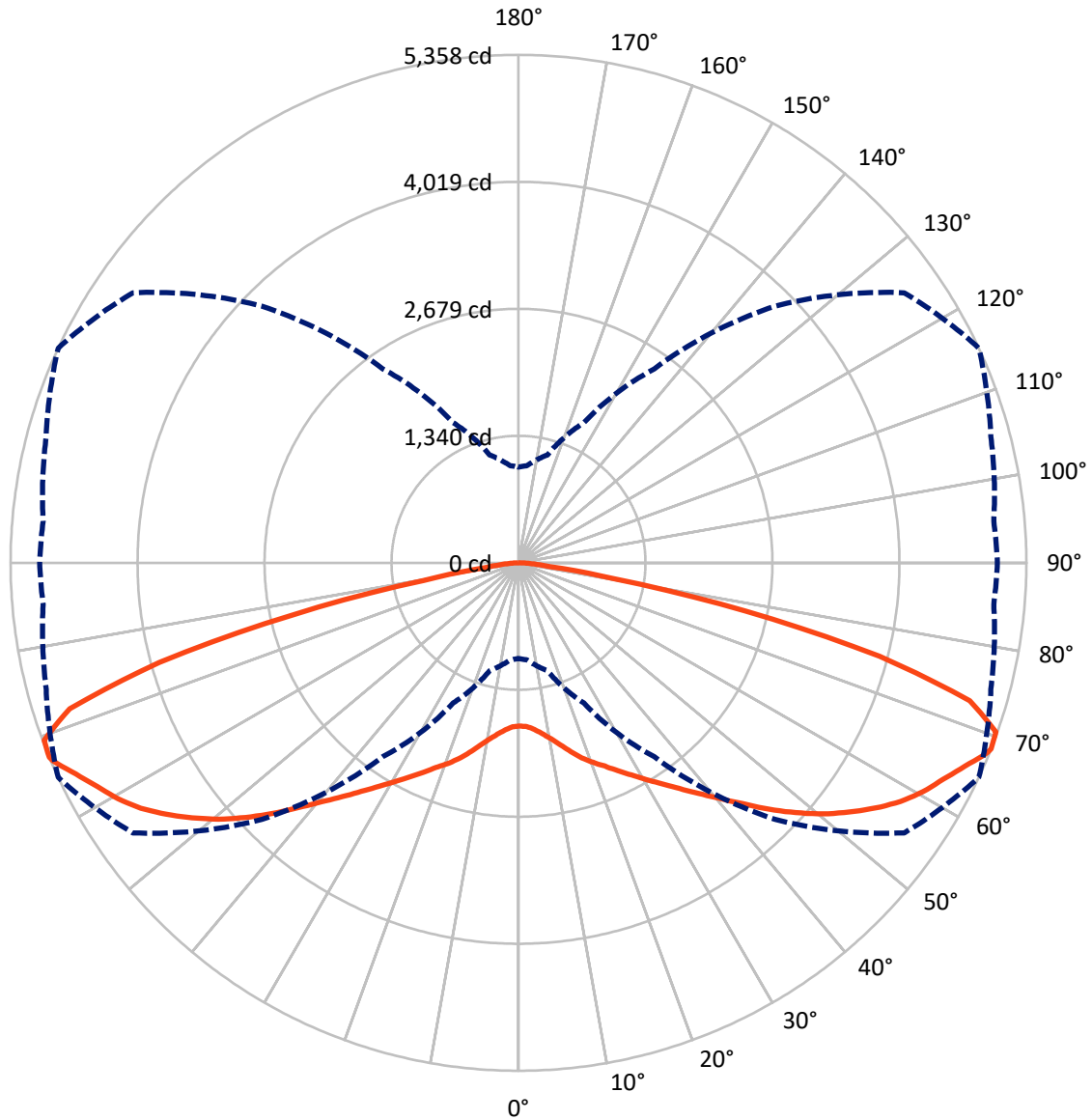
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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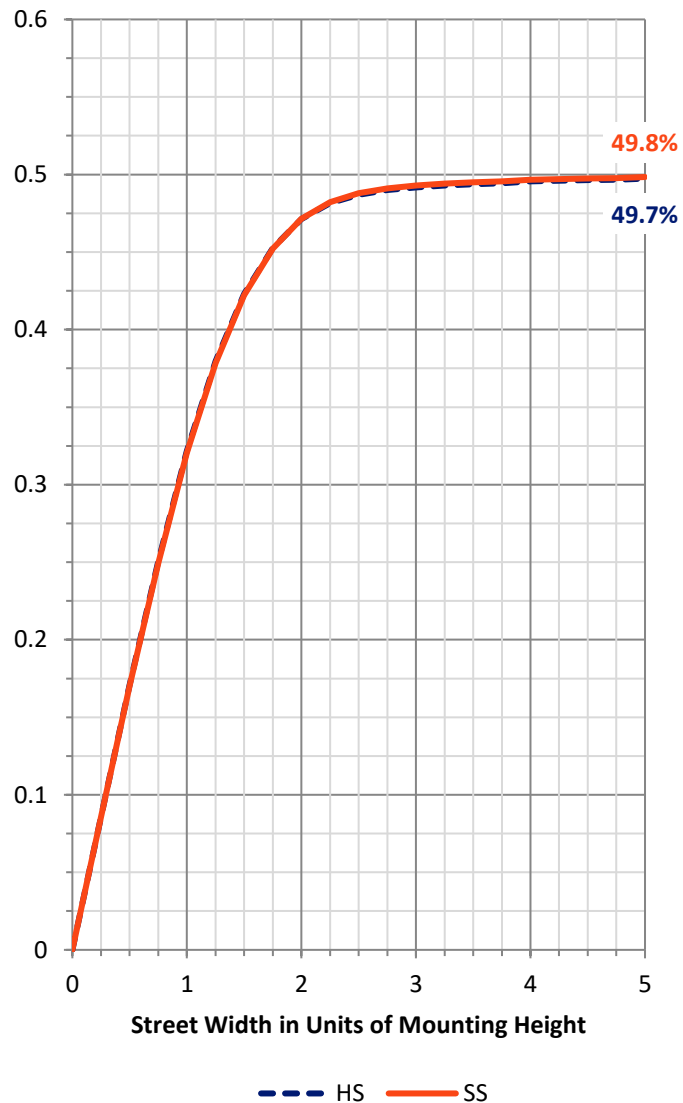
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8276.5	0.0	8276.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8276.5	0.0	8276.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16553.0	0.0	16553.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.5	1.0
10°-20°	564.2	3.4
20°-30°	1100.1	6.6
30°-40°	1848.1	11.2
40°-50°	2912.0	17.6
50°-60°	3894.3	23.5
60°-70°	3785.8	22.9
70°-80°	2069.5	12.5
80°-90°	210.5	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°	16553.0	100.0
0°-180°	16553.0	100.0

Coefficient of Utilization



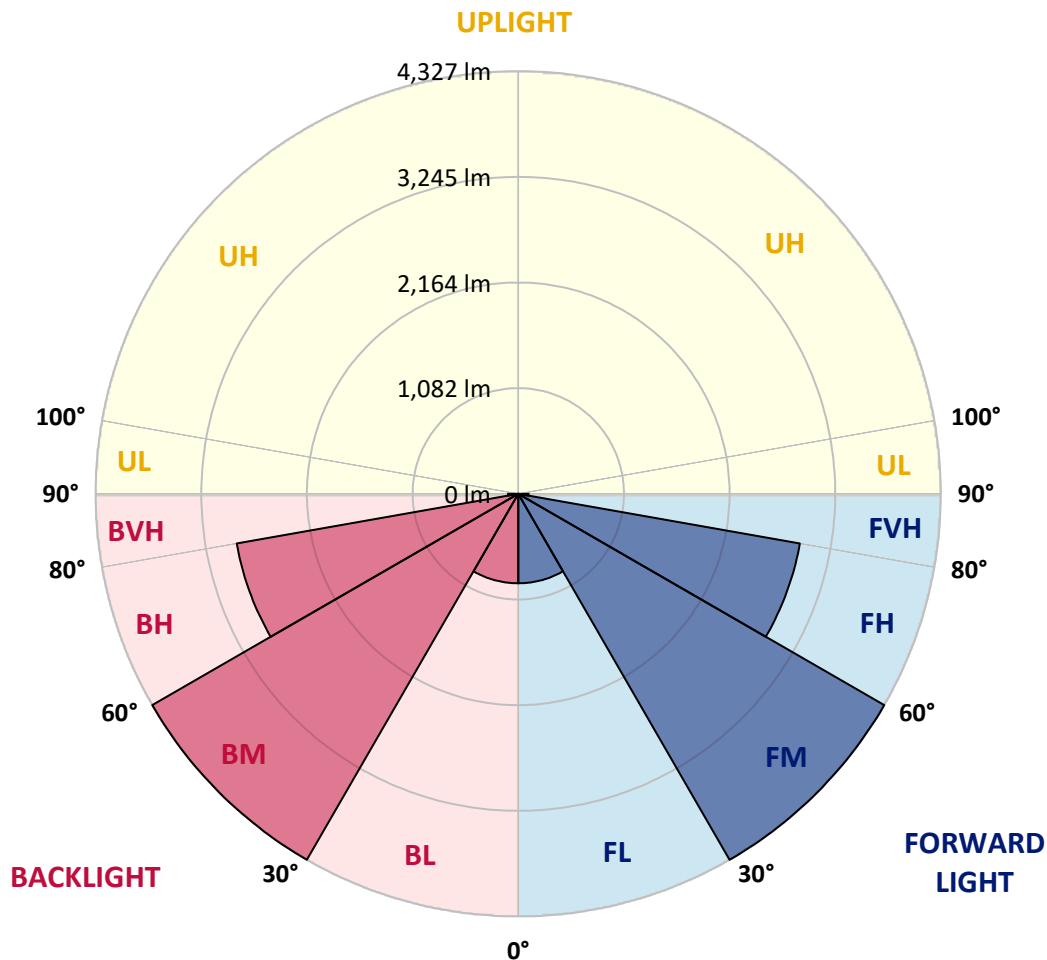
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	916.4	5.5			
FM (30°-60°)	4327.2	26.1			
FH (60°-80°)	2927.6	17.7			G2/5000
FVH (80°-90°)	105.2	0.6			G2/225
BL (0°-30°)	916.4	5.5	B2/1000		
BM (30°-60°)	4327.2	26.1	B3/5000		
BH (60°-80°)	2927.6	17.7	B4/5000		G4/5000
BVH (80°-90°)	105.2	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1	1721.1
2.5°	1708.9	1709.5	1712.2	1715.6	1718.3	1725.6	1727.2	1730.0	1731.1	1733.9	1733.9
5°	1693.9	1695.0	1701.7	1710.6	1720.6	1738.3	1751.1	1765.5	1772.7	1780.5	1780.0
7.5°	1692.3	1695.0	1704.5	1718.9	1735.6	1765.0	1791.6	1820.5	1839.9	1857.7	1856.5
10°	1709.5	1713.9	1727.2	1748.9	1773.8	1810.5	1849.9	1888.7	1922.6	1949.8	1950.9
12.5°	1735.6	1741.1	1762.2	1794.9	1832.7	1879.9	1926.5	1970.3	2016.9	2057.5	2060.8
15°	1770.0	1777.2	1808.8	1857.7	1915.4	1971.4	2021.4	2066.3	2120.2	2176.2	2181.8
17.5°	1821.0	1831.0	1872.6	1938.7	2014.7	2076.3	2128.5	2162.4	2207.3	2265.0	2275.6
20°	1898.7	1911.5	1964.2	2043.0	2135.7	2200.1	2240.1	2247.3	2269.5	2321.1	2333.3
22.5°	1999.7	2010.8	2069.7	2163.5	2267.3	2337.2	2358.3	2329.4	2327.2	2368.8	2380.5
25°	2112.4	2122.4	2190.7	2296.1	2407.7	2484.8	2484.3	2428.2	2389.4	2421.6	2433.8
27.5°	2239.0	2254.5	2320.0	2431.0	2550.3	2626.4	2621.9	2535.3	2461.5	2469.8	2480.4
30°	2384.4	2401.6	2465.4	2578.1	2697.4	2771.8	2766.2	2651.9	2540.9	2518.7	2526.5
32.5°	2564.8	2585.3	2645.8	2756.8	2862.2	2929.4	2913.3	2778.4	2636.4	2588.1	2595.3
35°	2781.8	2794.0	2857.8	2967.1	3052.6	3098.7	3064.8	2925.0	2757.3	2699.1	2699.1
37.5°	3001.6	3011.0	3082.6	3188.6	3271.3	3295.7	3229.7	3085.4	2915.5	2832.8	2834.5
40°	3212.5	3238.0	3318.5	3427.3	3508.8	3515.5	3427.8	3268.5	3091.5	3006.0	3016.0
42.5°	3432.8	3457.8	3553.8	3677.0	3749.2	3760.3	3657.6	3473.9	3290.2	3220.8	3231.9
45°	3629.3	3649.3	3760.3	3903.5	3993.4	4022.2	3900.7	3709.2	3505.0	3437.2	3440.0
47.5°	3766.4	3792.5	3914.6	4083.3	4214.3	4258.7	4139.4	3938.4	3716.4	3634.3	3641.5
50°	3890.7	3904.6	4028.3	4212.6	4379.1	4470.7	4368.6	4164.9	3930.1	3843.0	3850.7
52.5°	3960.1	3977.8	4097.7	4289.8	4486.8	4634.4	4572.3	4368.6	4136.6	4051.7	4061.1
55°	3911.8	3925.1	4068.9	4307.0	4553.4	4735.4	4744.9	4567.8	4339.2	4264.8	4291.4
57.5°	3692.0	3708.7	3884.0	4196.0	4561.7	4803.7	4874.8	4752.7	4528.4	4467.9	4483.5
60°	3348.4	3359.0	3546.0	3896.8	4399.7	4832.0	4957.5	4903.6	4713.8	4653.3	4674.4
62.5°	2736.3	2751.8	2975.5	3445.6	4057.2	4748.2	5037.4	5028.5	4886.4	4830.9	4849.8
65°	1870.4	1897.6	2145.2	2739.6	3529.4	4491.8	5110.1	5173.9	5039.0	4969.1	4994.1
67.5°	1129.5	1149.5	1328.7	1808.8	2700.7	3974.5	5035.2	5339.3	5146.7	5034.0	5054.6
68°	1009.6	1027.9	1177.8	1632.3	2498.2	3828.5	4966.9	5358.2	5158.4	5032.9	5051.3
70°	610.0	622.2	722.6	1009.0	1665.6	3037.1	4501.2	5342.6	5232.7	5048.5	5059.0
72.5°	397.4	401.3	417.9	517.8	850.8	1698.4	3378.4	4978.5	5344.3	5138.9	5137.3
75°	330.2	328.0	329.7	341.3	419.6	744.8	1974.2	3932.9	5094.5	4996.3	4961.3
77.5°	279.2	277.5	277.0	277.5	280.8	359.7	857.0	2449.9	3898.5	4419.6	4450.7
80°	225.9	223.7	230.9	227.6	217.6	223.7	359.1	1019.0	1837.7	1977.0	1852.7
82.5°	164.3	156.0	187.0	178.2	169.8	157.6	198.1	329.1	438.5	300.8	211.5
85°	126.5	117.7	142.1	136.5	116.6	80.5	117.7	161.0	177.6	101.6	79.9
87.5°	51.6	54.4	102.7	81.0	68.3	38.9	48.3	64.4	86.6	43.3	33.3
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)