

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: P387083

Luminaire Tested: GAW-SA2D-750-U-RW

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P387083  
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-750-U-RW  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16552 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

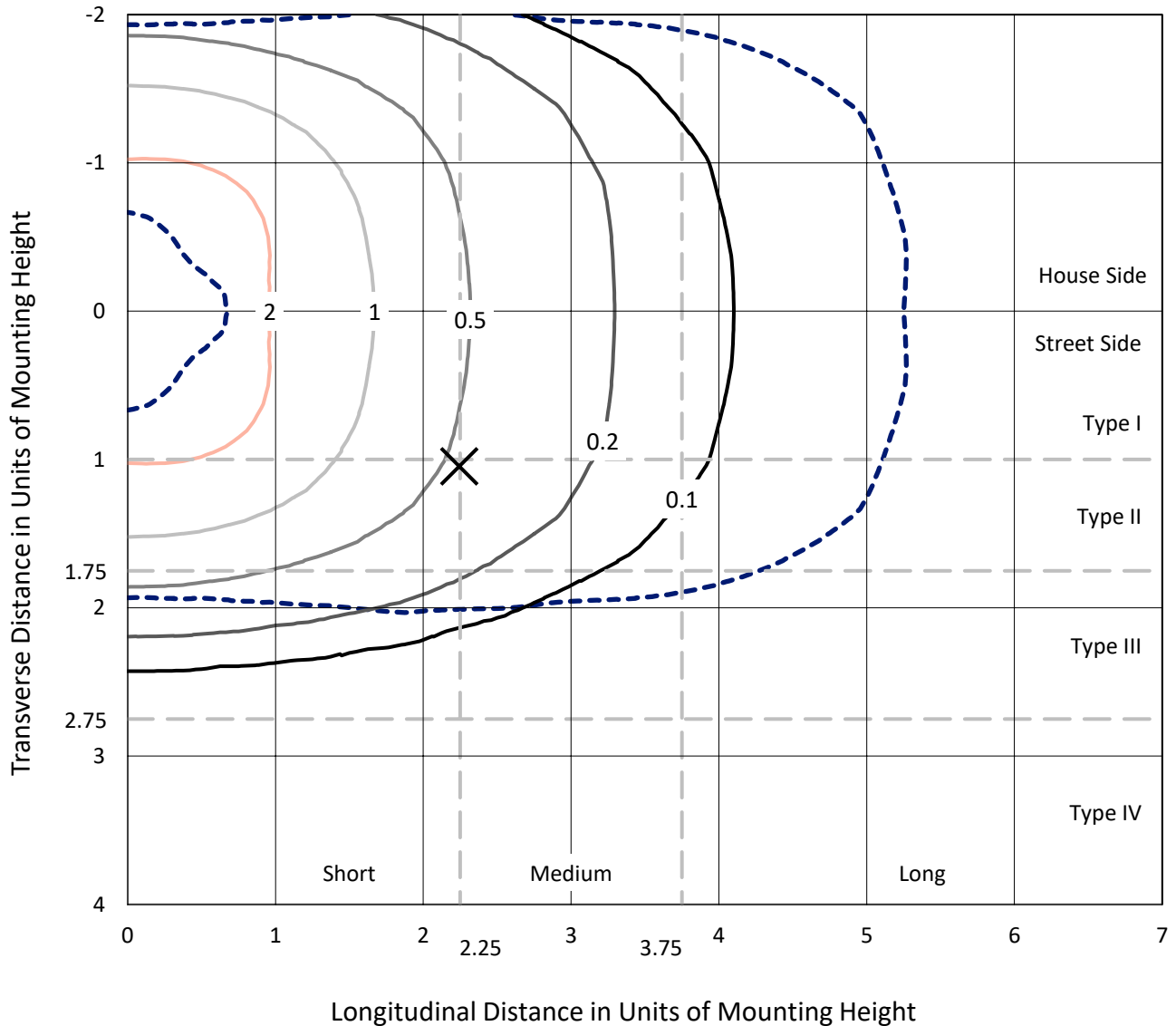
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

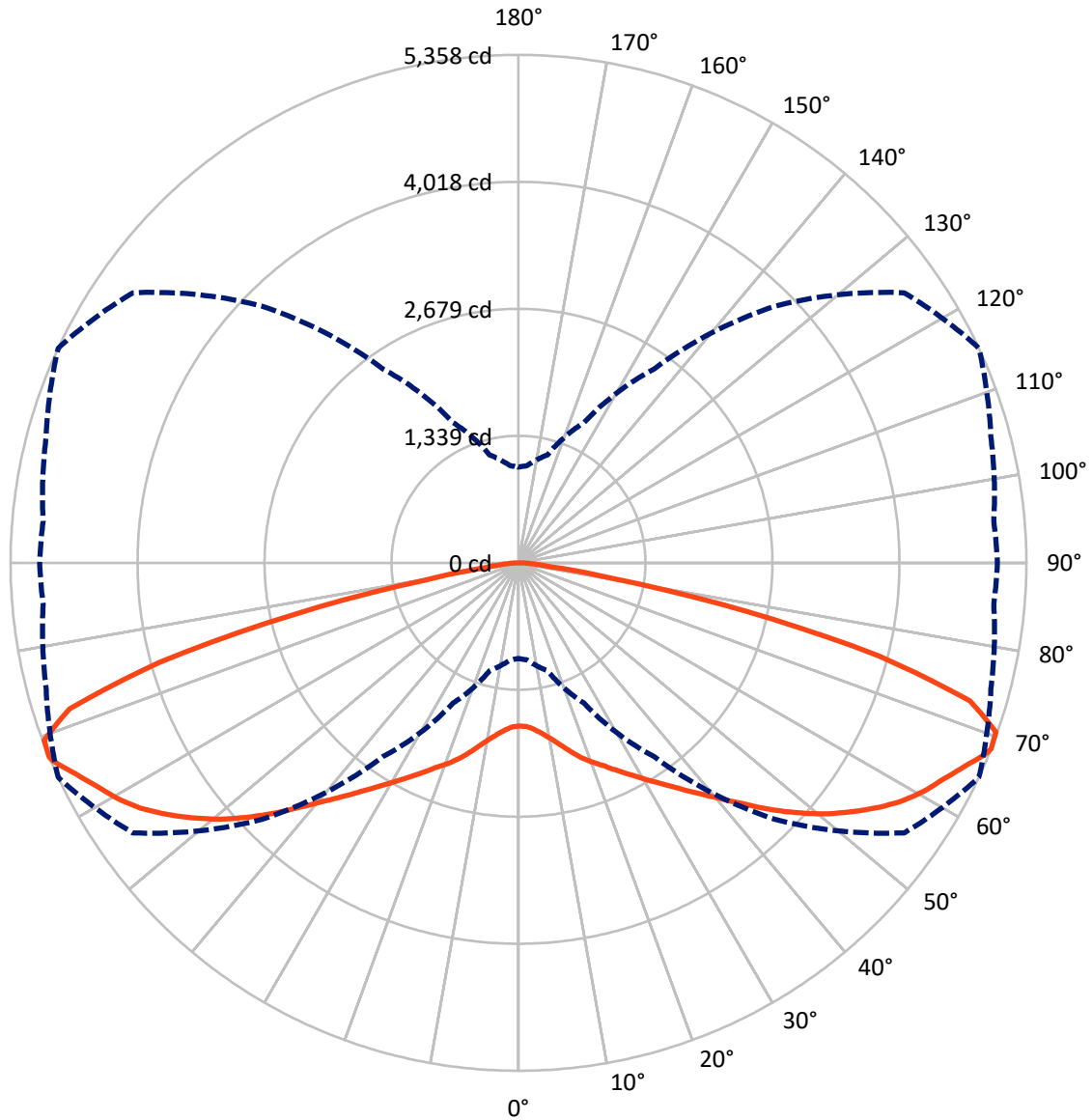
× Max cd  
 - - - 1/2 Max cd



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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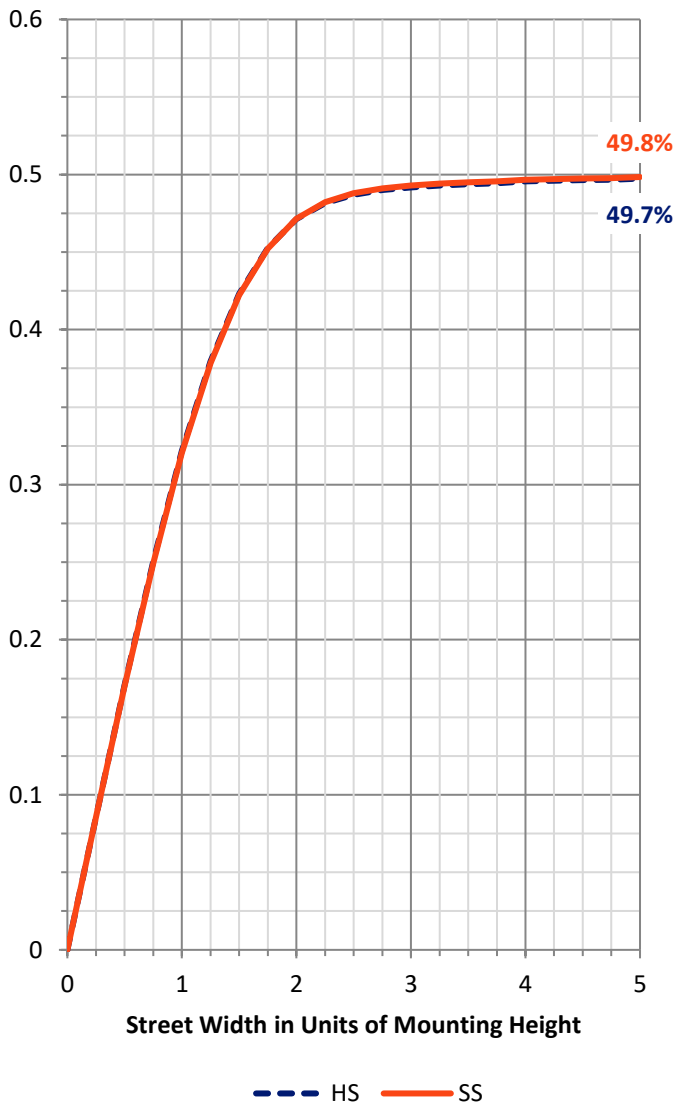
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8276.0	0.0	8276.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8276.0	0.0	8276.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16552.0	0.0	16552.0
	% 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°	1848.0	11.2
40°-50°	2911.8	17.6
50°-60°	3894.1	23.5
60°-70°	3785.5	22.9
70°-80°	2069.4	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°	16552.0	100.0
0°-180°	16552.0	100.0

**Coefficient of Utilization**

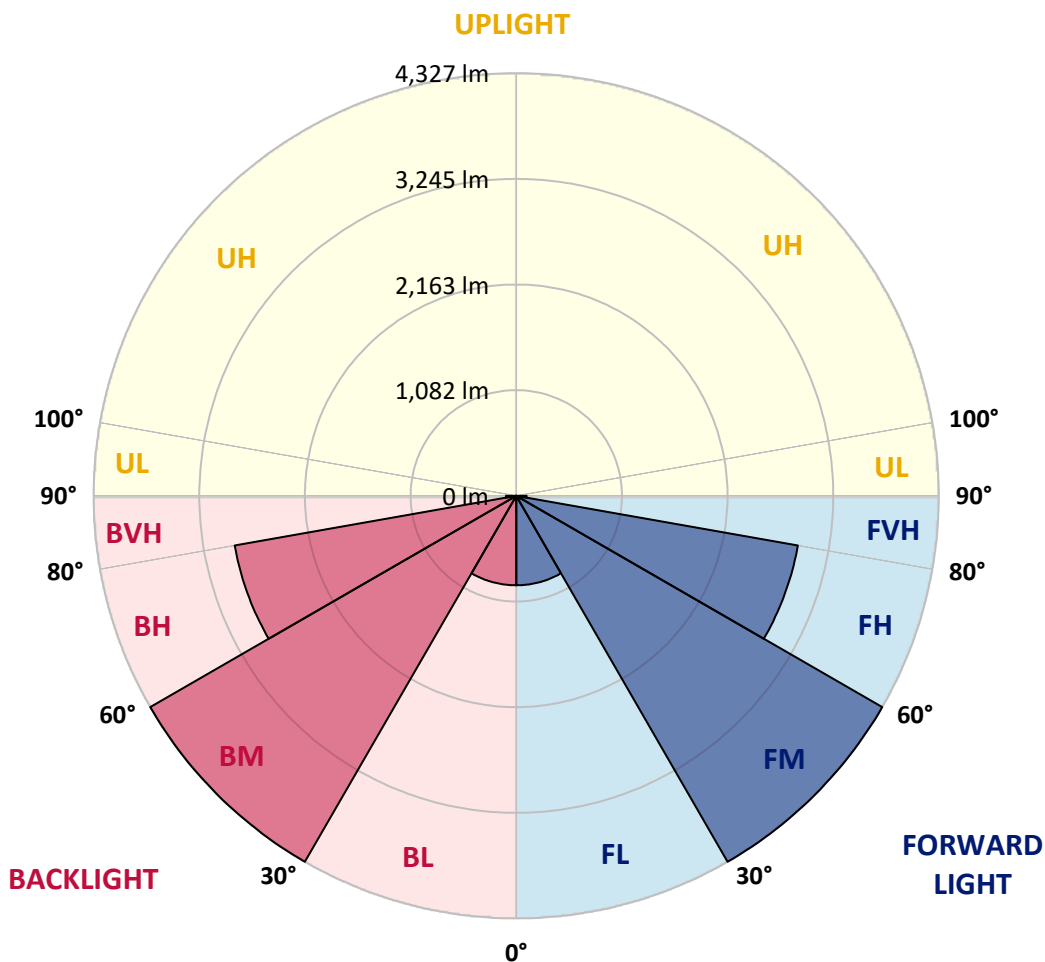


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	916.4	5.5			
FM (30°-60°)	4326.9	26.1			
FH (60°-80°)	2927.4	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°)	4326.9	26.1	B3/5000		
BH (60°-80°)	2927.4	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°	1721.0	1721.0	1721.0	1721.0	1721.0	1721.0	1721.0	1721.0	1721.0	1721.0	1721.0
2.5°	1708.8	1709.4	1712.1	1715.5	1718.2	1725.5	1727.1	1729.9	1731.0	1733.8	1733.8
5°	1693.8	1694.9	1701.6	1710.5	1720.5	1738.2	1751.0	1765.4	1772.6	1780.4	1779.8
7.5°	1692.2	1694.9	1704.4	1718.8	1735.4	1764.9	1791.5	1820.4	1839.8	1857.5	1856.4
10°	1709.4	1713.8	1727.1	1748.8	1773.7	1810.4	1849.8	1888.6	1922.5	1949.7	1950.8
12.5°	1735.4	1741.0	1762.1	1794.8	1832.6	1879.7	1926.4	1970.2	2016.8	2057.3	2060.7
15°	1769.9	1777.1	1808.7	1857.5	1915.3	1971.3	2021.3	2066.2	2120.1	2176.1	2181.7
17.5°	1820.9	1830.9	1872.5	1938.6	2014.6	2076.2	2128.4	2162.2	2207.2	2264.9	2275.5
20°	1898.6	1911.4	1964.1	2042.9	2135.6	2200.0	2239.9	2247.1	2269.3	2321.0	2333.2
22.5°	1999.6	2010.7	2069.6	2163.3	2267.1	2337.1	2358.1	2329.3	2327.1	2368.7	2380.3
25°	2112.3	2122.3	2190.5	2296.0	2407.5	2484.7	2484.1	2428.1	2389.2	2421.4	2433.6
27.5°	2238.8	2254.4	2319.9	2430.8	2550.2	2626.2	2621.8	2535.2	2461.4	2469.7	2480.2
30°	2384.2	2401.4	2465.3	2577.9	2697.2	2771.6	2766.1	2651.7	2540.7	2518.5	2526.3
32.5°	2564.6	2585.1	2645.6	2756.6	2862.1	2929.2	2913.1	2778.3	2636.2	2587.9	2595.1
35°	2781.6	2793.8	2857.6	2967.0	3052.4	3098.5	3064.6	2924.8	2757.2	2698.9	2698.9
37.5°	3001.4	3010.8	3082.4	3188.4	3271.1	3295.5	3229.5	3085.2	2915.4	2832.7	2834.3
40°	3212.3	3237.8	3318.3	3427.1	3508.6	3515.3	3427.6	3268.3	3091.3	3005.8	3015.8
42.5°	3432.6	3457.6	3553.6	3676.8	3748.9	3760.0	3657.4	3473.7	3290.0	3220.6	3231.7
45°	3629.1	3649.0	3760.0	3903.2	3993.1	4022.0	3900.5	3709.0	3504.8	3437.0	3439.8
47.5°	3766.2	3792.2	3914.3	4083.0	4214.0	4258.4	4139.1	3938.2	3716.2	3634.1	3641.3
50°	3890.5	3904.3	4028.1	4212.4	4378.9	4470.4	4368.3	4164.6	3929.9	3842.7	3850.5
52.5°	3959.8	3977.6	4097.5	4289.5	4486.5	4634.2	4572.0	4368.3	4136.3	4051.4	4060.8
55°	3911.6	3924.9	4068.6	4306.7	4553.1	4735.2	4744.6	4567.6	4338.9	4264.5	4291.2
57.5°	3691.8	3708.4	3883.8	4195.7	4561.4	4803.4	4874.5	4752.4	4528.1	4467.7	4483.2
60°	3348.2	3358.8	3545.8	3896.6	4399.4	4831.7	4957.2	4903.3	4713.5	4653.0	4674.1
62.5°	2736.1	2751.6	2975.3	3445.4	4057.0	4747.9	5037.1	5028.2	4886.1	4830.6	4849.5
65°	1870.3	1897.5	2145.0	2739.4	3529.2	4491.5	5109.8	5173.6	5038.7	4968.8	4993.8
67.5°	1129.4	1149.4	1328.6	1808.7	2700.6	3974.3	5034.9	5339.0	5146.4	5033.7	5054.3
68°	1009.5	1027.8	1177.7	1632.2	2498.0	3828.3	4966.6	5357.9	5158.1	5032.6	5050.9
70°	609.9	622.1	722.6	1009.0	1665.5	3036.9	4501.0	5342.3	5232.4	5048.2	5058.7
72.5°	397.4	401.3	417.9	517.8	850.8	1698.3	3378.2	4978.2	5344.0	5138.6	5137.0
75°	330.2	328.0	329.7	341.3	419.6	744.8	1974.1	3932.6	5094.2	4996.0	4961.0
77.5°	279.2	277.5	276.9	277.5	280.8	359.6	856.9	2449.7	3898.2	4419.4	4450.5
80°	225.9	223.7	230.9	227.5	217.6	223.7	359.1	1019.0	1837.6	1976.9	1852.6
82.5°	164.3	156.0	187.0	178.2	169.8	157.6	198.1	329.1	438.4	300.8	211.5
85°	126.5	117.7	142.1	136.5	116.5	80.5	117.7	160.9	177.6	101.6	79.9
87.5°	51.6	54.4	102.7	81.0	68.3	38.8	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)