

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: P387023

Luminaire Tested: GAW-SA2D-730-U-5NQ

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P387023  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA2D-730-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15211 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

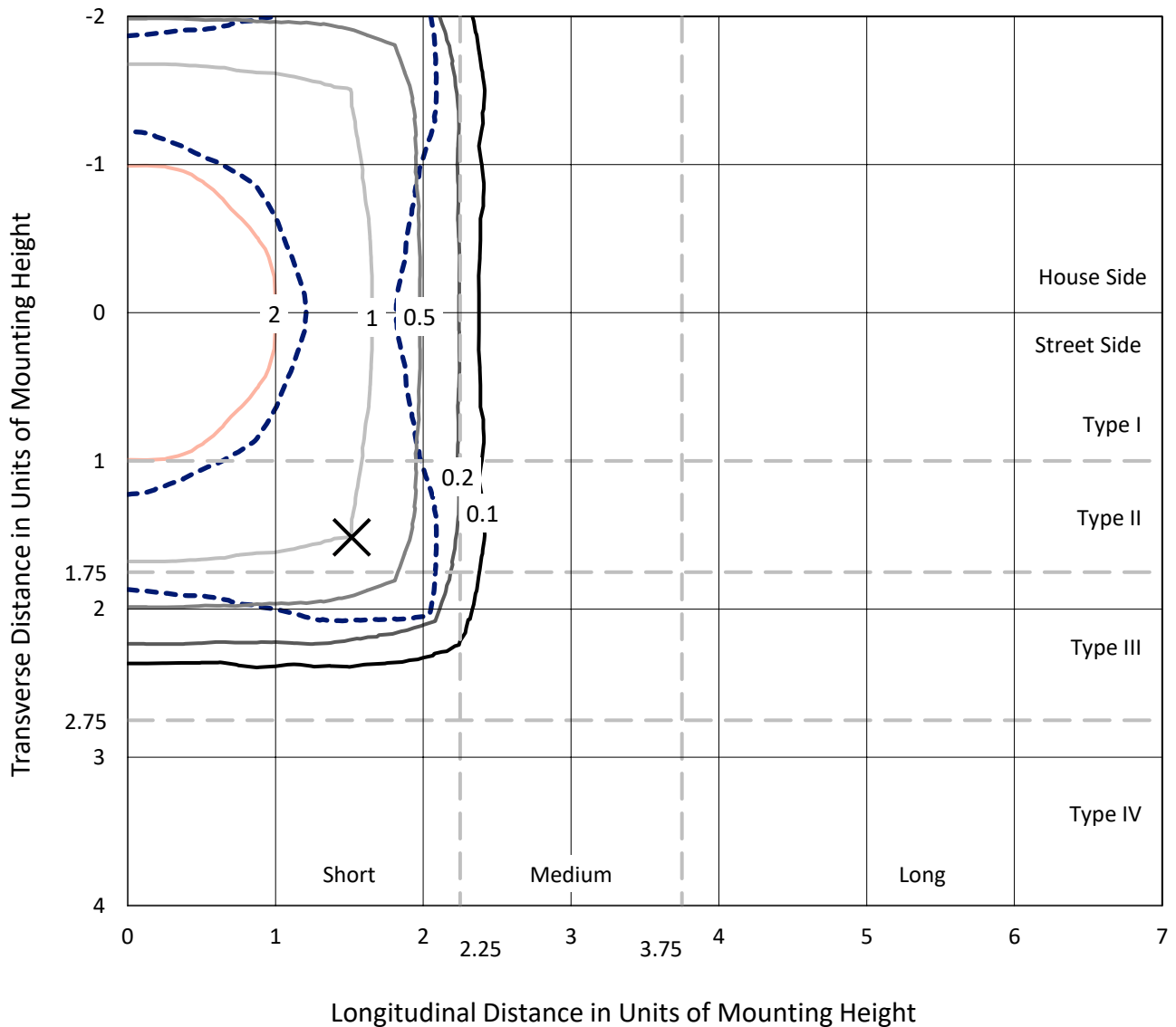
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P387023  
 CATALOG NUMBER: GAW-SA2D-730-U-5NQ

### Iso-Footcandle Lines of Horizontal Illumination

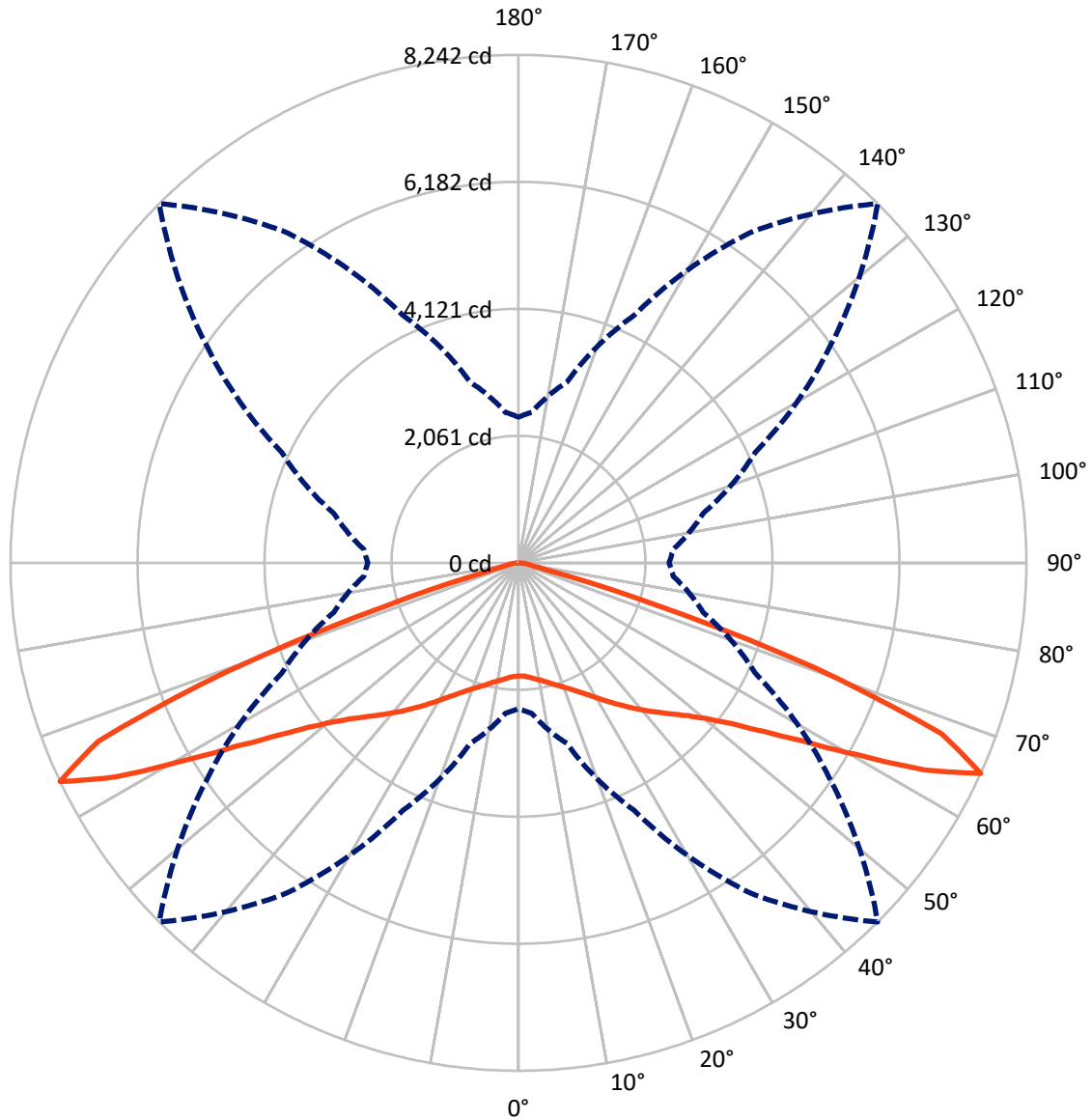
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type V - Short - N/A

REPORT NUMBER: P387023  
CATALOG NUMBER: GAW-SA2D-730-U-5NQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P387023  
 CATALOG NUMBER: GAW-SA2D-730-U-5NQ

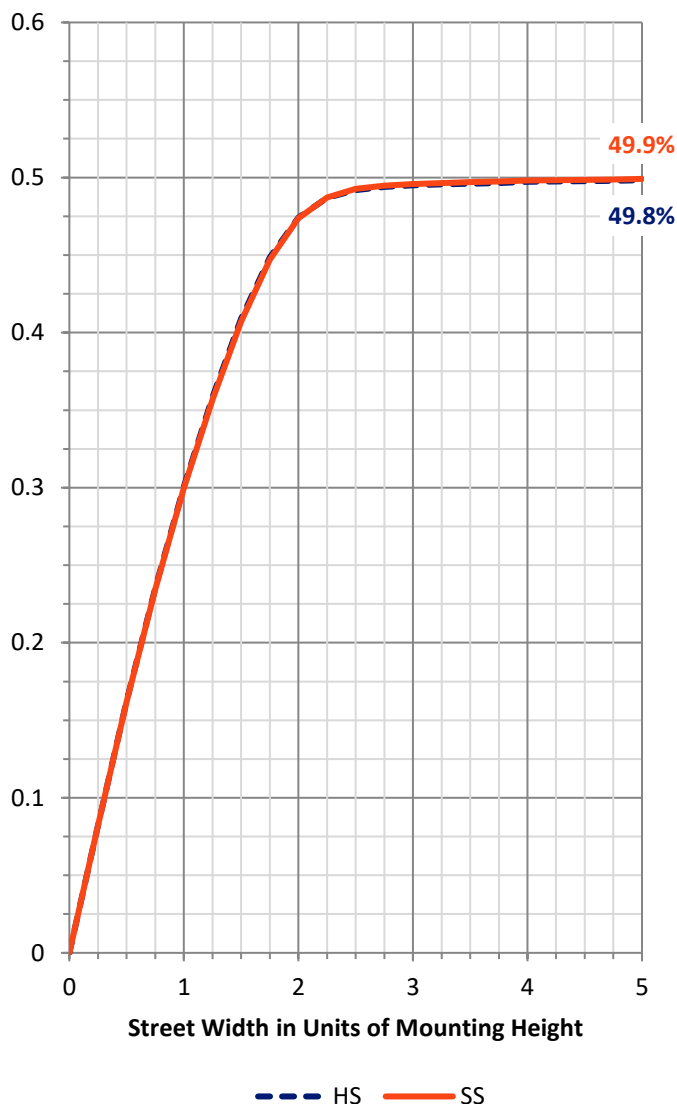
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7605.5	0.0	7605.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7605.5	0.0	7605.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15211.0	0.0	15211.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.2	1.2
10°-20°	579.3	3.8
20°-30°	1086.9	7.1
30°-40°	1797.5	11.8
40°-50°	2784.0	18.3
50°-60°	4269.9	28.1
60°-70°	3984.3	26.2
70°-80°	463.7	3.0
80°-90°	65.2	0.4
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°	15211.0	100.0
0°-180°	15211.0	100.0

**Coefficient of Utilization**



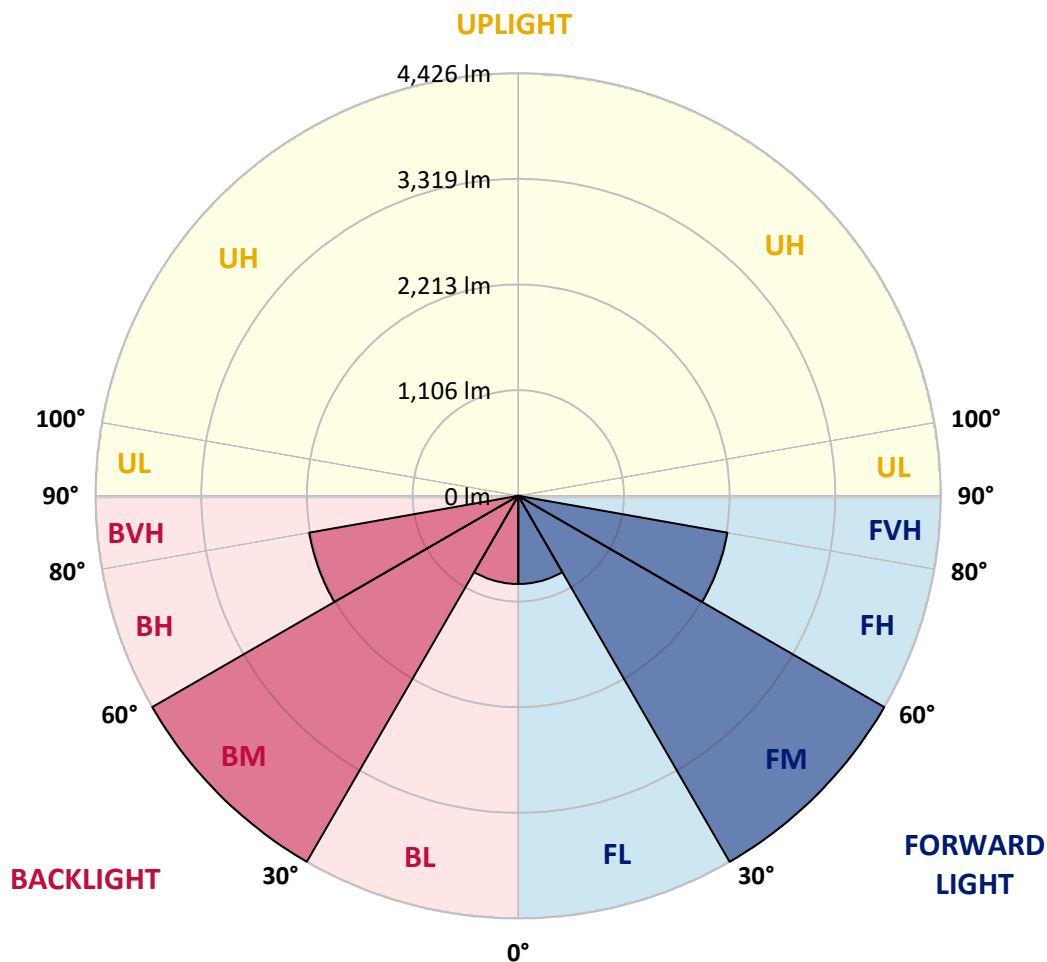
REPORT NUMBER: P387023  
 CATALOG NUMBER: GAW-SA2D-730-U-5NQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	923.2	6.1			
FM (30°-60°)	4425.7	29.1			
FH (60°-80°)	2224.0	14.6			G2/5000
FVH (80°-90°)	32.6	0.2			G1/100
BL (0°-30°)	923.2	6.1	B2/1000		
BM (30°-60°)	4425.7	29.1	B3/5000		
BH (60°-80°)	2224.0	14.6	B3/2500		G2/5000
BVH (80°-90°)	32.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





REPORT NUMBER: P387023  
 CATALOG NUMBER: GAW-SA2D-730-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1836.9	1836.9	1836.9	1836.9	1836.9	1836.9	1836.9	1836.9	1836.9	1836.9	1836.9
2.5°	1843.0	1842.0	1843.0	1843.5	1840.5	1842.0	1841.5	1844.0	1845.0	1844.0	1844.0
5°	1864.2	1862.7	1864.7	1867.2	1863.2	1864.2	1862.7	1865.7	1866.7	1864.7	1866.2
7.5°	1893.5	1894.0	1896.0	1900.5	1898.0	1900.0	1897.0	1897.5	1897.0	1894.0	1894.5
10°	1925.3	1925.8	1929.3	1935.4	1936.4	1936.4	1934.4	1932.9	1930.8	1928.8	1929.3
12.5°	1963.7	1966.2	1968.7	1976.3	1976.3	1980.3	1979.3	1975.3	1971.7	1968.7	1968.7
15°	2015.7	2015.2	2018.2	2025.8	2029.3	2035.9	2035.9	2030.3	2025.8	2022.7	2021.7
17.5°	2070.2	2071.7	2073.7	2082.8	2088.4	2095.9	2097.0	2092.4	2089.4	2085.3	2082.8
20°	2133.8	2136.3	2144.4	2148.0	2153.0	2160.1	2162.6	2161.6	2158.6	2156.5	2157.0
22.5°	2208.0	2214.6	2219.7	2224.7	2230.8	2235.8	2238.3	2241.9	2238.8	2237.3	2236.3
25°	2297.9	2302.5	2312.6	2321.6	2325.7	2327.2	2330.2	2335.3	2334.8	2331.2	2331.2
27.5°	2399.9	2408.5	2421.1	2434.2	2434.2	2429.2	2439.3	2447.9	2444.9	2440.3	2434.2
30°	2523.6	2531.7	2546.3	2564.5	2555.4	2551.9	2565.5	2581.2	2576.6	2569.1	2568.1
32.5°	2656.9	2664.5	2683.7	2703.4	2691.8	2686.7	2701.4	2724.1	2716.0	2700.8	2691.8
35°	2801.3	2808.9	2836.2	2859.9	2840.2	2831.6	2843.7	2868.5	2854.3	2826.1	2819.0
37.5°	2958.4	2962.4	2997.7	3022.0	3008.3	2985.6	3000.8	3019.0	3006.8	2972.5	2958.9
40°	3121.5	3136.1	3177.0	3205.3	3181.5	3145.7	3170.9	3196.2	3178.0	3134.1	3110.8
42.5°	3311.8	3322.9	3377.5	3402.7	3364.3	3313.8	3348.2	3382.5	3364.3	3321.9	3301.7
45°	3509.7	3526.9	3592.0	3617.3	3561.7	3497.6	3539.5	3599.6	3598.1	3537.0	3515.8
47.5°	3725.3	3742.5	3820.3	3853.6	3793.5	3707.7	3766.7	3851.6	3845.5	3778.4	3761.2
50°	3974.3	3992.5	4089.4	4131.3	4075.3	3975.3	4064.1	4138.9	4127.8	4045.0	4046.5
52.5°	4286.8	4285.8	4406.5	4479.2	4421.6	4333.3	4415.1	4487.8	4441.8	4327.2	4323.7
55°	4560.5	4577.2	4726.6	4864.5	4860.9	4827.1	4859.9	4862.9	4731.7	4579.2	4560.5
57.5°	4740.2	4772.1	4982.6	5232.0	5418.9	5463.8	5400.2	5207.3	4899.8	4655.9	4626.1
60°	4629.7	4678.1	5008.9	5517.3	6067.7	6331.8	5972.8	5374.4	4769.0	4429.2	4388.8
62.5°	3883.4	3965.2	4449.4	5379.5	6626.1	7398.2	6387.8	5106.3	4249.0	3780.9	3711.7
65°	2365.1	2451.4	3035.1	4427.7	6535.8	8242.4	6198.5	4238.3	3101.3	2519.1	2444.3
67.5°	788.2	813.4	1157.3	2447.4	5136.6	7405.8	5145.2	2537.3	1349.7	894.7	868.5
70°	308.5	311.0	367.1	709.4	2425.7	5086.6	2676.6	722.0	383.7	303.5	310.0
72.5°	226.7	227.7	243.4	296.4	632.2	2240.9	654.9	297.9	236.8	212.6	212.6
75°	182.3	182.3	193.4	216.1	283.3	514.0	287.3	213.6	185.3	169.7	167.6
77.5°	143.9	146.9	155.5	170.2	191.9	247.4	198.9	169.2	149.5	134.8	131.8
80°	107.0	110.1	124.2	131.3	137.8	171.7	146.9	132.3	118.2	101.0	98.0
82.5°	70.2	73.2	90.9	94.9	93.4	112.1	99.0	97.5	86.8	65.1	62.1
85°	45.9	47.0	60.6	63.1	58.1	51.0	63.1	66.7	60.6	42.4	40.9
87.5°	21.7	21.7	30.8	28.8	26.3	21.2	28.8	33.8	34.3	20.7	20.2
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)