

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: P386995

Luminaire Tested: GAW-SA2D-727-U-5NQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386995
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-727-U-5NQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 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: 13968 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

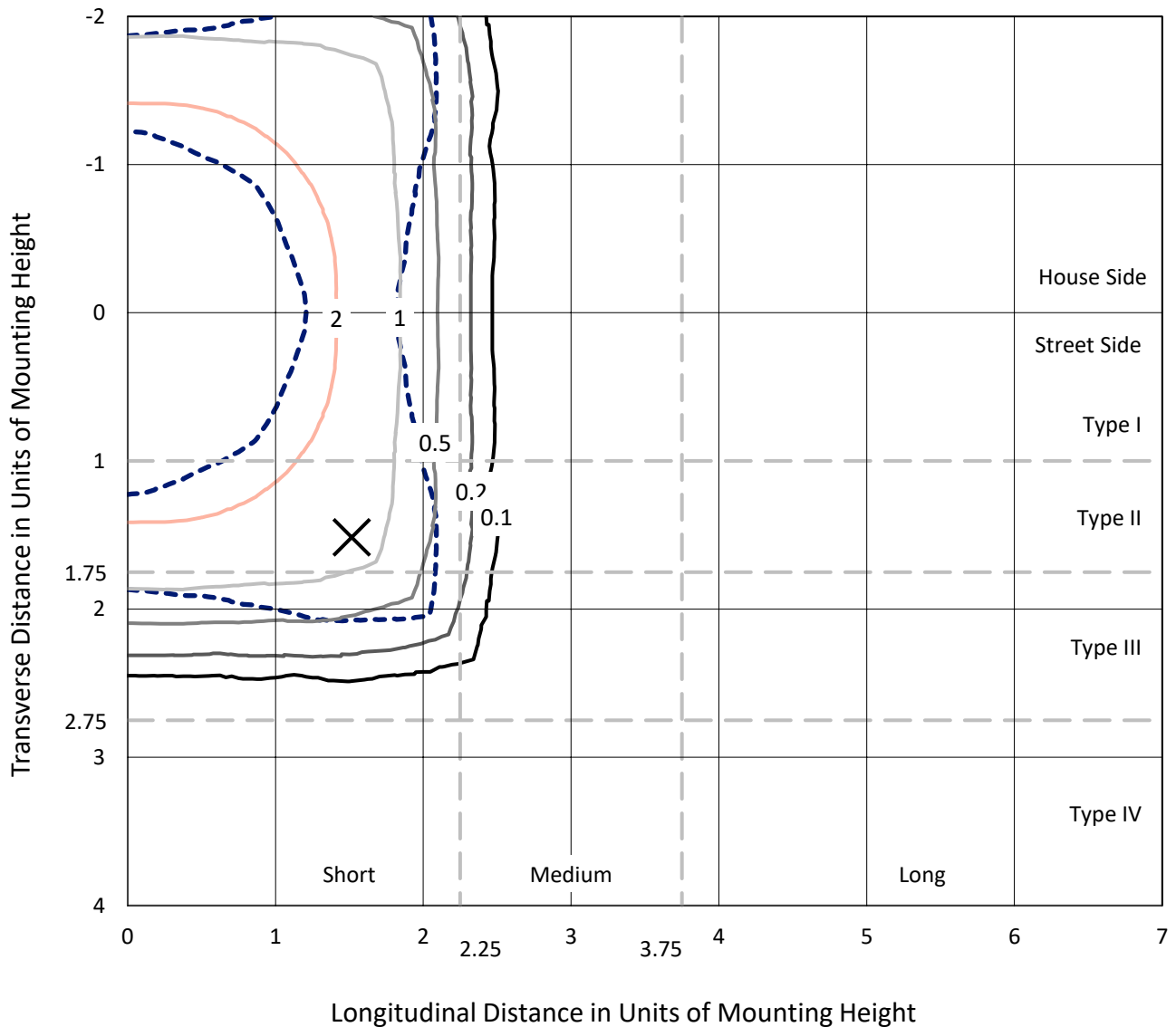
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

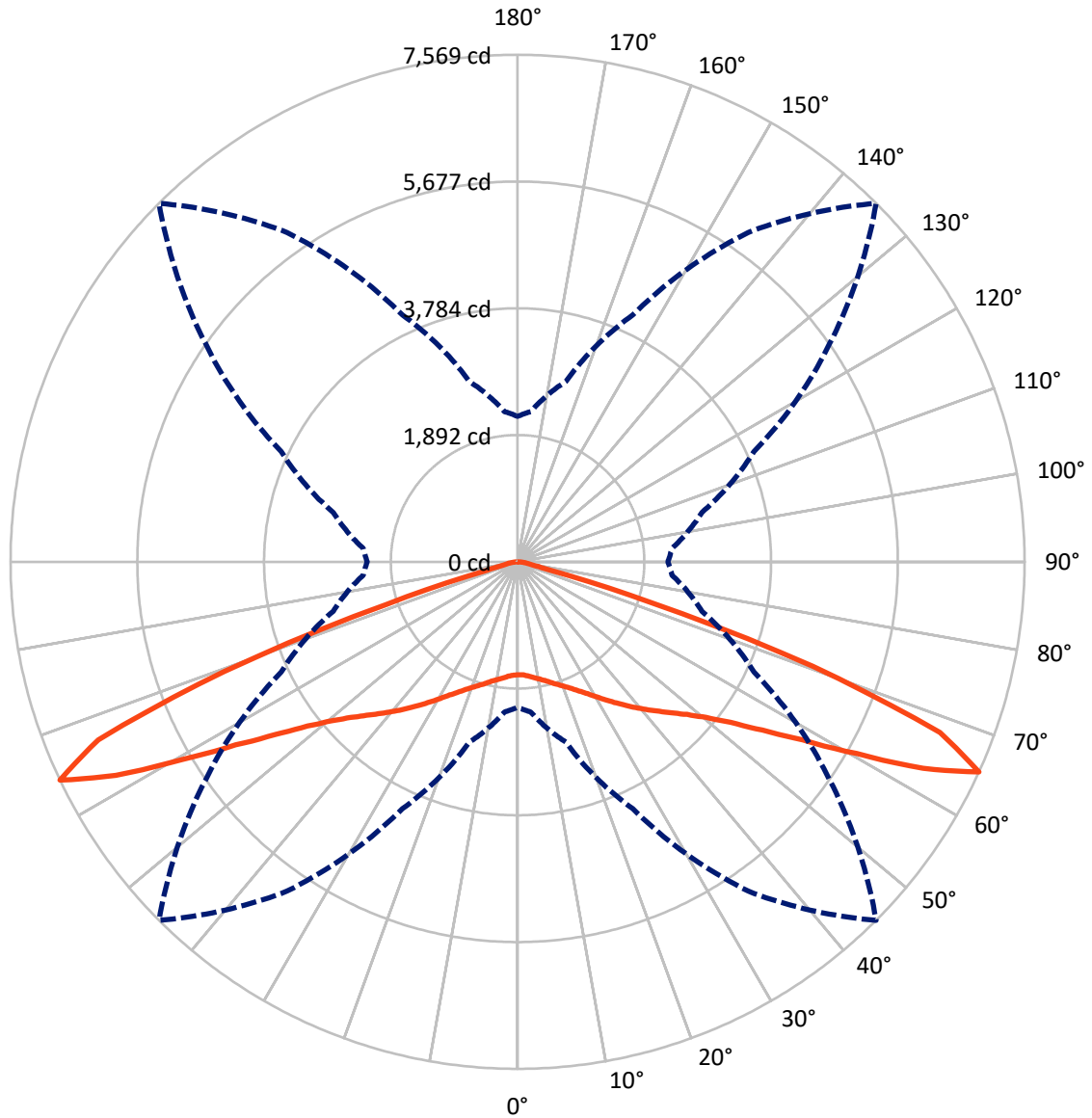
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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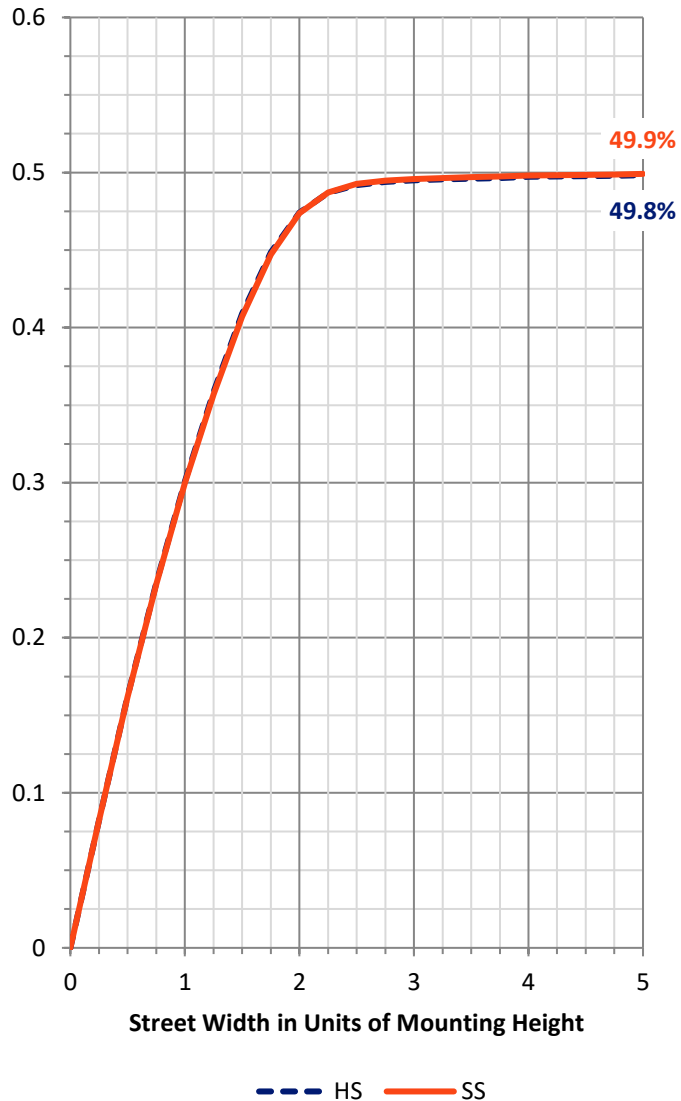
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6984.0	0.0	6984.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6984.0	0.0	6984.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13968.0	0.0	13968.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.5	1.2
10°-20°	532.0	3.8
20°-30°	998.1	7.1
30°-40°	1650.6	11.8
40°-50°	2556.5	18.3
50°-60°	3921.0	28.1
60°-70°	3658.7	26.2
70°-80°	425.8	3.0
80°-90°	59.8	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°	13968.0	100.0
0°-180°	13968.0	100.0

Coefficient of Utilization



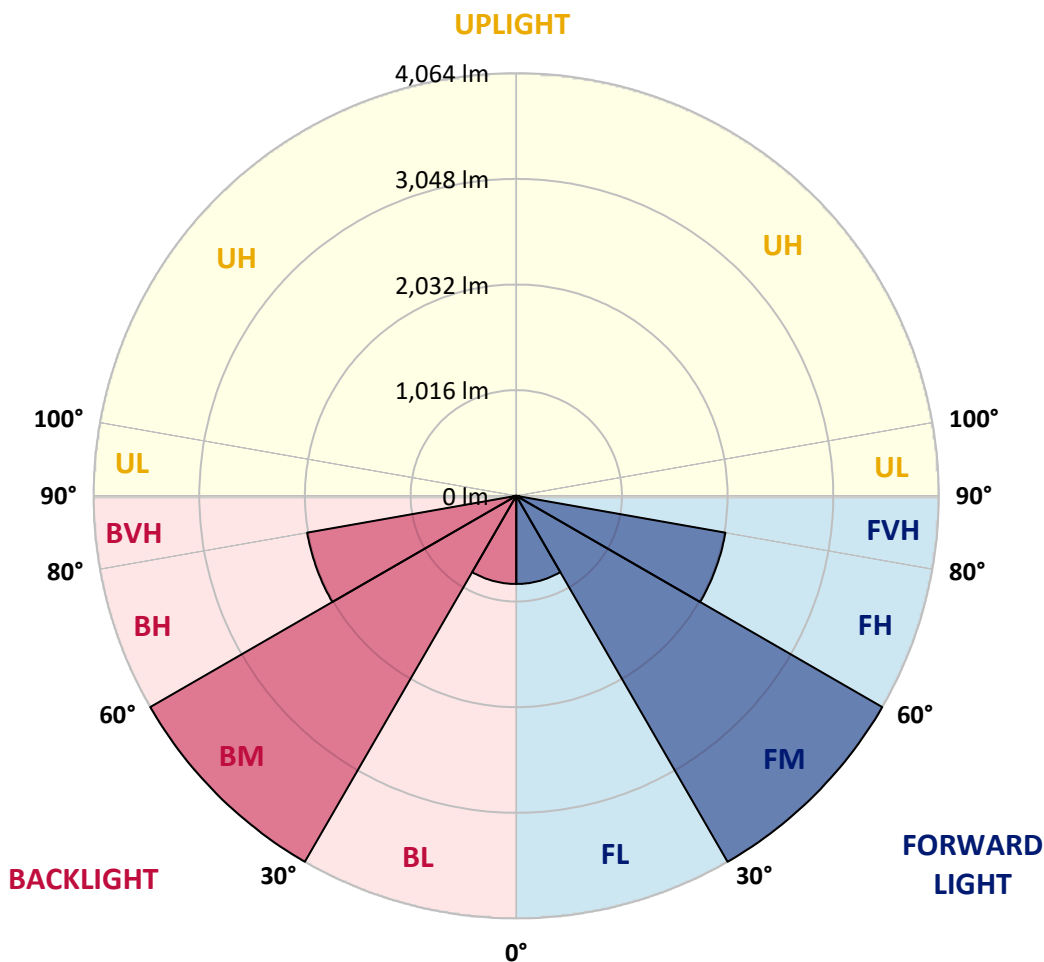
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	847.8	6.1			
FM (30°-60°)	4064.1	29.1			
FH (60°-80°)	2042.3	14.6			G2/5000
FVH (80°-90°)	29.9	0.2			G1/100
BL (0°-30°)	847.8	6.1	B2/1000		
BM (30°-60°)	4064.1	29.1	B3/5000		
BH (60°-80°)	2042.3	14.6	B3/2500		G2/5000
BVH (80°-90°)	29.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1686.8	1686.8	1686.8	1686.8	1686.8	1686.8	1686.8	1686.8	1686.8	1686.8	1686.8
2.5°	1692.4	1691.4	1692.4	1692.8	1690.1	1691.4	1691.0	1693.3	1694.2	1693.3	1693.3
5°	1711.9	1710.5	1712.3	1714.6	1710.9	1711.9	1710.5	1713.2	1714.2	1712.3	1713.7
7.5°	1738.7	1739.2	1741.1	1745.2	1742.9	1744.8	1742.0	1742.5	1742.0	1739.2	1739.7
10°	1768.0	1768.4	1771.7	1777.2	1778.2	1778.2	1776.3	1774.9	1773.1	1771.2	1771.7
12.5°	1803.2	1805.5	1807.8	1814.8	1814.8	1818.5	1817.6	1813.9	1810.6	1807.8	1807.8
15°	1851.0	1850.5	1853.3	1860.2	1863.5	1869.5	1869.5	1864.4	1860.2	1857.4	1856.5
17.5°	1901.0	1902.4	1904.3	1912.6	1917.7	1924.7	1925.6	1921.4	1918.6	1914.9	1912.6
20°	1959.4	1961.8	1969.2	1972.4	1977.1	1983.6	1985.9	1984.9	1982.2	1980.3	1980.8
22.5°	2027.6	2033.6	2038.3	2042.9	2048.5	2053.1	2055.4	2058.7	2055.9	2054.5	2053.6
25°	2110.1	2114.3	2123.6	2131.9	2135.6	2137.0	2139.8	2144.5	2144.0	2140.7	2140.7
27.5°	2203.8	2211.7	2223.3	2235.3	2235.3	2230.7	2240.0	2247.8	2245.1	2240.9	2235.3
30°	2317.4	2324.8	2338.3	2355.0	2346.6	2343.4	2355.9	2370.3	2366.1	2359.1	2358.2
32.5°	2439.8	2446.8	2464.4	2482.5	2471.8	2467.2	2480.6	2501.5	2494.1	2480.1	2471.8
35°	2572.4	2579.4	2604.4	2626.2	2608.1	2600.2	2611.4	2634.1	2621.1	2595.1	2588.6
37.5°	2716.6	2720.3	2752.8	2775.0	2762.5	2741.7	2755.6	2772.3	2761.1	2729.6	2717.1
40°	2866.4	2879.8	2917.4	2943.3	2921.6	2888.6	2911.8	2935.0	2918.3	2878.0	2856.6
42.5°	3041.2	3051.4	3101.5	3124.6	3089.4	3043.0	3074.6	3106.1	3089.4	3050.5	3031.9
45°	3222.9	3238.7	3298.5	3321.7	3270.7	3211.8	3250.3	3305.5	3304.1	3248.0	3228.5
47.5°	3420.9	3436.7	3508.1	3538.7	3483.5	3404.7	3458.9	3536.8	3531.3	3469.6	3453.8
50°	3649.5	3666.2	3755.2	3793.7	3742.2	3650.4	3732.0	3800.7	3790.5	3714.4	3715.8
52.5°	3936.5	3935.6	4046.4	4113.2	4060.3	3979.2	4054.3	4121.1	4078.9	3973.6	3970.4
55°	4187.8	4203.1	4340.4	4466.9	4463.7	4432.6	4462.8	4465.6	4345.0	4205.0	4187.8
57.5°	4352.9	4382.1	4575.4	4804.5	4976.1	5017.3	4958.9	4781.8	4499.4	4275.5	4248.1
60°	4251.3	4295.9	4599.6	5066.5	5571.9	5814.4	5484.7	4935.2	4379.3	4067.3	4030.2
62.5°	3566.0	3641.2	4085.8	4939.9	6084.7	6793.6	5865.8	4689.0	3901.7	3471.9	3408.4
65°	2171.8	2251.1	2787.1	4065.9	6001.7	7568.9	5692.0	3892.0	2847.8	2313.2	2244.6
67.5°	723.8	747.0	1062.7	2247.4	4716.9	6800.6	4724.7	2329.9	1239.4	821.6	797.5
70°	283.3	285.6	337.1	651.4	2227.4	4671.0	2457.9	663.0	352.4	278.7	284.7
72.5°	208.2	209.1	223.5	272.2	580.5	2057.7	601.4	273.6	217.5	195.2	195.2
75°	167.4	167.4	177.6	198.4	260.1	472.0	263.8	196.1	170.2	155.8	153.9
77.5°	132.1	134.9	142.8	156.3	176.2	227.2	182.7	155.3	137.2	123.8	121.0
80°	98.3	101.1	114.1	120.6	126.6	157.6	134.9	121.5	108.5	92.7	90.0
82.5°	64.4	67.2	83.5	87.2	85.8	102.9	90.9	89.5	79.8	59.8	57.0
85°	42.2	43.1	55.6	58.0	53.3	46.8	58.0	61.2	55.6	38.9	37.6
87.5°	19.9	19.9	28.3	26.4	24.1	19.5	26.4	31.1	31.5	19.0	18.5
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)