

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: P386827

Luminaire Tested: GAW-SA2C-735-U-5NQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386827
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-SA2C-735-U-5NQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14303.2 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

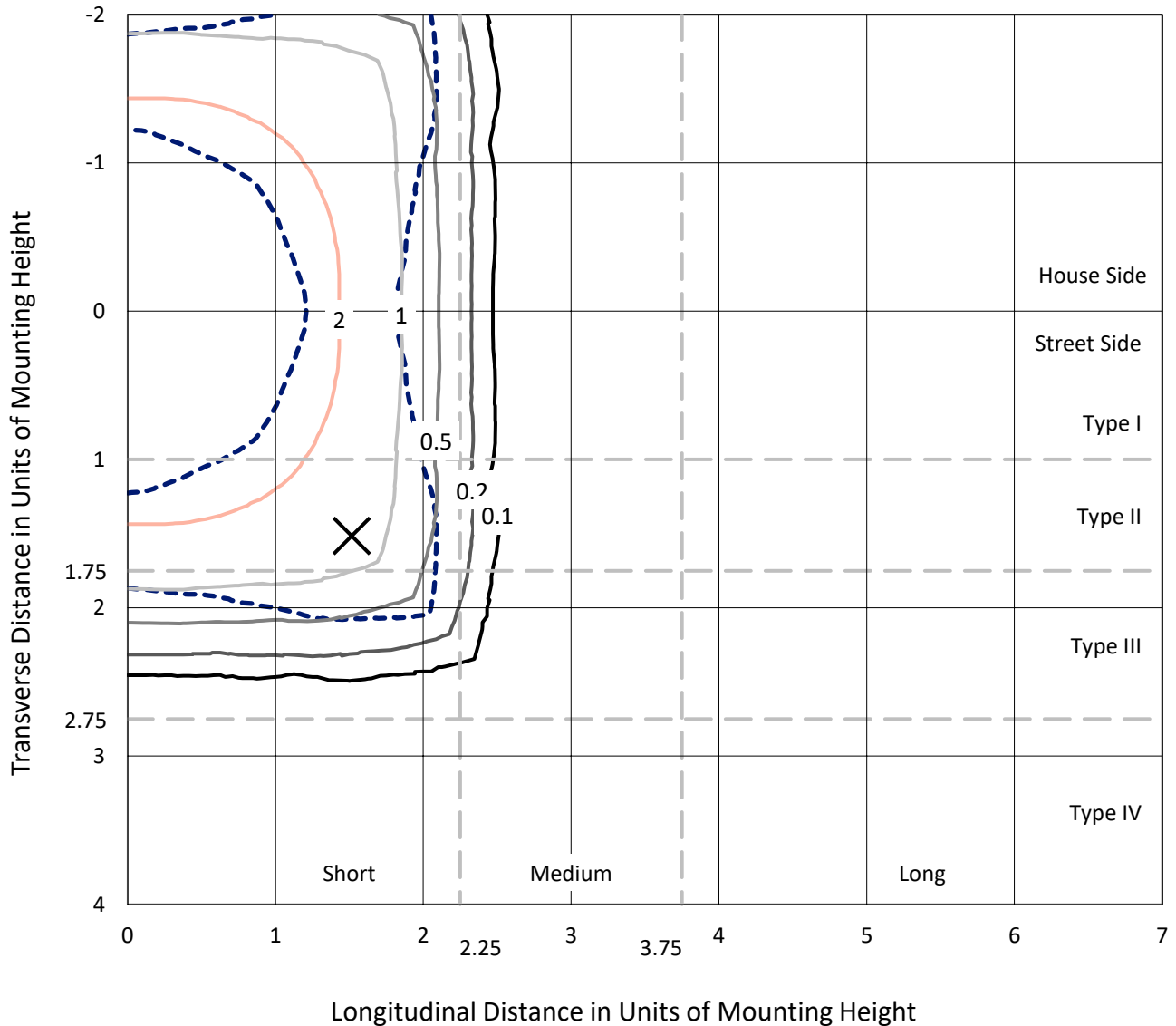
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P386827
 CATALOG NUMBER: GAW-SA2C-735-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

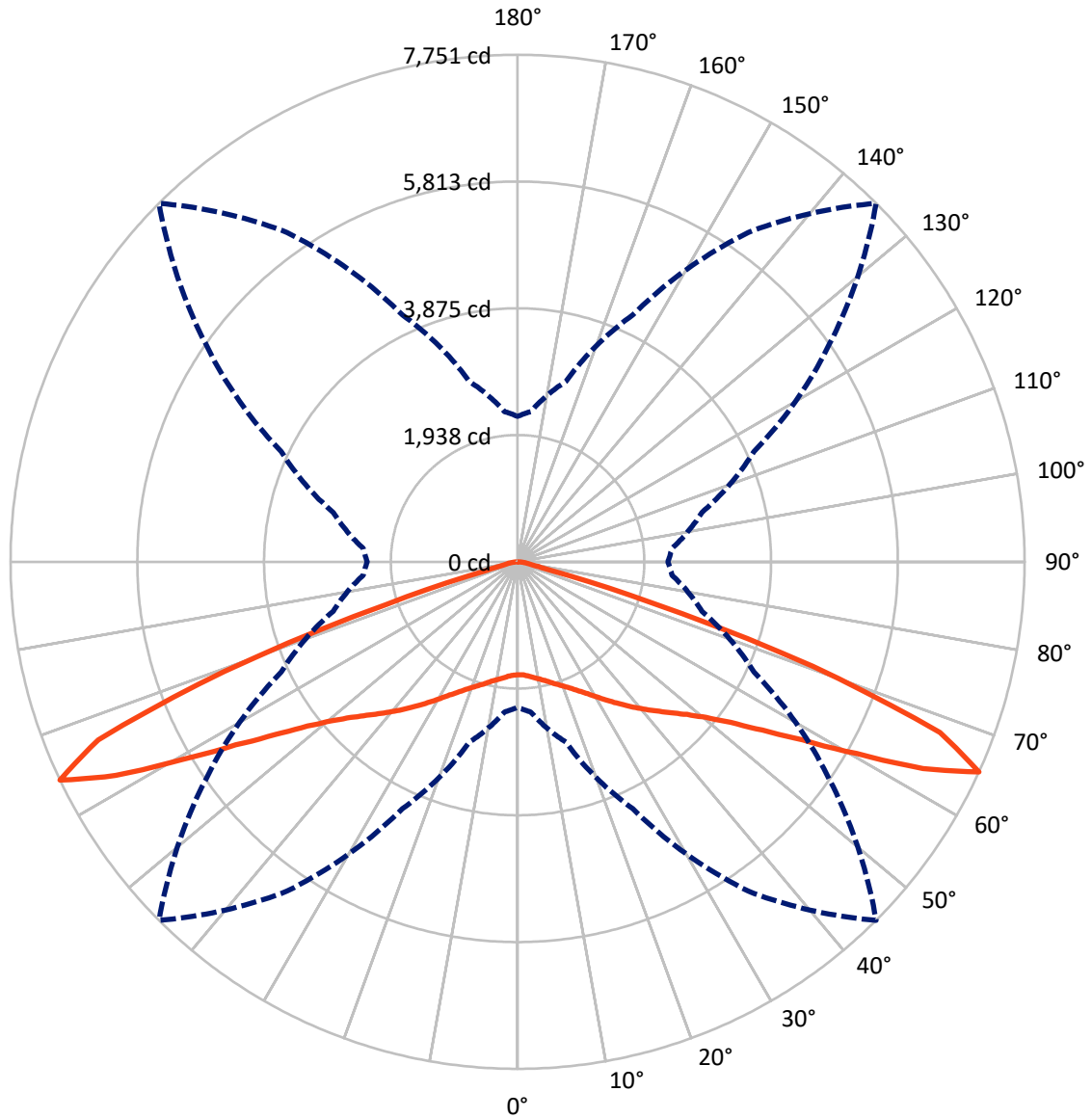
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

REPORT NUMBER: P386827
CATALOG NUMBER: GAW-SA2C-735-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P386827
 CATALOG NUMBER: GAW-SA2C-735-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7151.6	0.0	7151.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7151.6	0.0	7151.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	14303.2	0.0	14303.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.5	1.2
10°-20°	544.7	3.8
20°-30°	1022.0	7.1
30°-40°	1690.2	11.8
40°-50°	2617.9	18.3
50°-60°	4015.1	28.1
60°-70°	3746.5	26.2
70°-80°	436.0	3.0
80°-90°	61.3	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°	14303.2	100.0
0°-180°	14303.2	100.0

Coefficient of Utilization



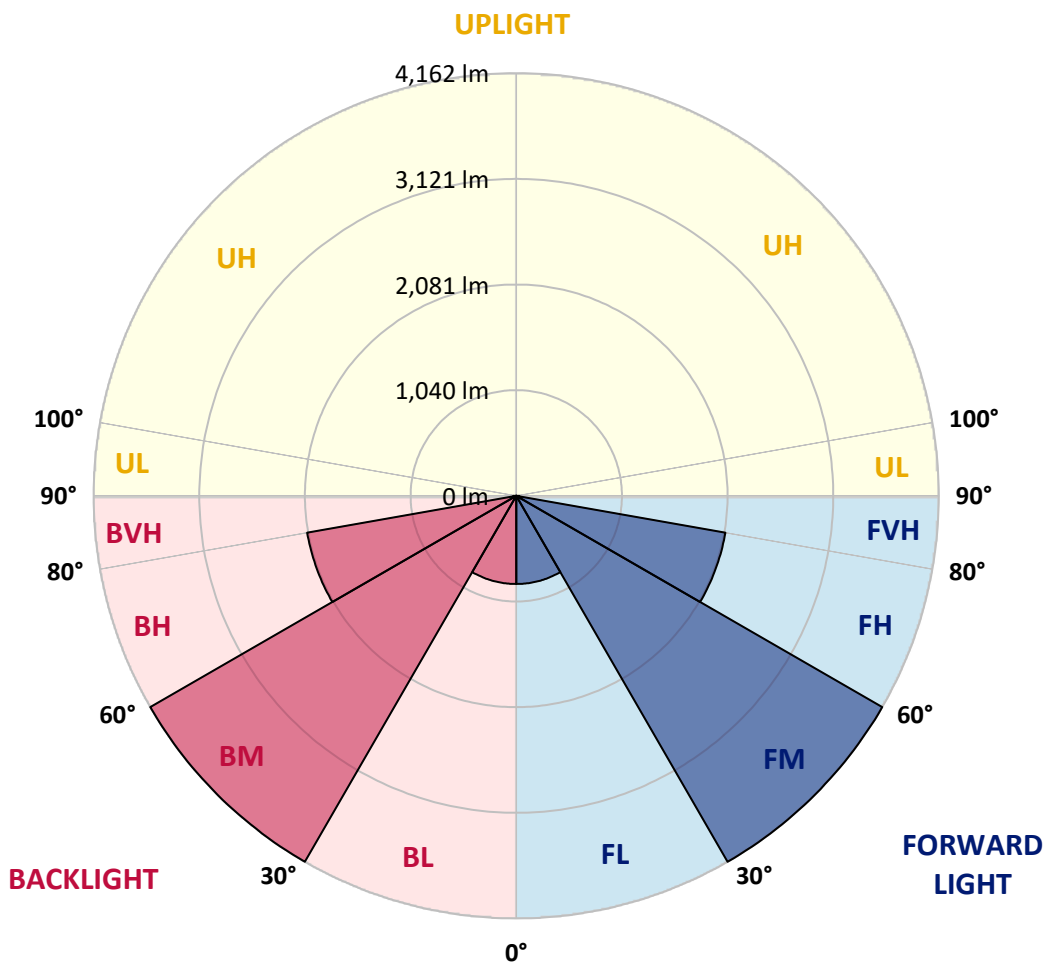
REPORT NUMBER: P386827
 CATALOG NUMBER: GAW-SA2C-735-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	868.1	6.1			
FM (30°-60°)	4161.6	29.1			
FH (60°-80°)	2091.3	14.6			G2/5000
FVH (80°-90°)	30.6	0.2			G1/100
BL (0°-30°)	868.1	6.1	B2/1000		
BM (30°-60°)	4161.6	29.1	B3/5000		
BH (60°-80°)	2091.3	14.6	B3/2500		G2/5000
BVH (80°-90°)	30.6	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: P386827

CATALOG NUMBER: GAW-SA2C-735-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3
2.5°	1733.0	1732.1	1733.0	1733.5	1730.6	1732.1	1731.6	1733.9	1734.9	1733.9	1733.9
5°	1752.9	1751.5	1753.4	1755.8	1752.0	1752.9	1751.5	1754.3	1755.4	1753.4	1754.8
7.5°	1780.4	1780.9	1782.9	1787.1	1784.8	1786.6	1783.8	1784.3	1783.8	1780.9	1781.5
10°	1810.4	1810.9	1814.2	1819.9	1820.8	1820.8	1818.9	1817.5	1815.6	1813.7	1814.2
12.5°	1846.5	1848.8	1851.2	1858.3	1858.3	1862.2	1861.2	1857.4	1854.1	1851.2	1851.2
15°	1895.4	1894.9	1897.8	1904.9	1908.2	1914.4	1914.4	1909.1	1904.9	1902.0	1901.1
17.5°	1946.6	1948.1	1950.0	1958.5	1963.7	1970.8	1971.8	1967.6	1964.6	1960.9	1958.5
20°	2006.5	2008.8	2016.4	2019.8	2024.5	2031.2	2033.5	2032.6	2029.7	2027.9	2028.3
22.5°	2076.2	2082.4	2087.1	2091.9	2097.7	2102.4	2104.7	2108.1	2105.2	2103.8	2102.8
25°	2160.8	2165.0	2174.5	2183.1	2186.9	2188.3	2191.1	2195.9	2195.5	2192.1	2192.1
27.5°	2256.7	2264.8	2276.6	2288.9	2288.9	2284.2	2293.7	2301.8	2299.0	2294.7	2288.9
30°	2373.0	2380.6	2394.4	2411.4	2403.0	2399.6	2412.5	2427.1	2422.9	2415.7	2414.8
32.5°	2498.3	2505.5	2523.5	2542.0	2531.1	2526.4	2540.1	2561.5	2553.9	2539.7	2531.1
35°	2634.2	2641.3	2666.9	2689.2	2670.7	2662.6	2674.0	2697.3	2684.0	2657.5	2650.8
37.5°	2781.8	2785.6	2818.8	2841.7	2828.8	2807.5	2821.7	2838.8	2827.4	2795.1	2782.3
40°	2935.1	2948.9	2987.4	3014.0	2991.7	2958.0	2981.7	3005.4	2988.3	2947.1	2925.2
42.5°	3114.2	3124.6	3175.9	3199.7	3163.5	3116.1	3148.4	3180.6	3163.5	3123.7	3104.7
45°	3300.3	3316.4	3377.7	3401.5	3349.2	3288.9	3328.3	3384.8	3383.4	3325.9	3306.0
47.5°	3503.0	3519.2	3592.2	3623.6	3567.2	3486.4	3542.0	3621.7	3616.0	3552.9	3536.7
50°	3737.1	3754.2	3845.3	3884.8	3832.1	3738.0	3821.6	3891.9	3881.4	3803.6	3805.0
52.5°	4030.9	4030.0	4143.5	4211.9	4157.8	4074.6	4151.6	4219.9	4176.7	4069.0	4065.6
55°	4288.3	4304.0	4444.6	4574.2	4570.8	4539.1	4569.9	4572.7	4449.3	4305.9	4288.3
57.5°	4457.3	4487.3	4685.2	4919.8	5095.5	5137.7	5077.9	4896.5	4607.4	4378.0	4350.1
60°	4353.3	4399.0	4709.9	5188.1	5705.6	5953.9	5616.4	5053.7	4484.4	4164.9	4126.9
62.5°	3651.6	3728.5	4183.9	5058.4	6230.7	6956.7	6006.6	4801.6	3995.3	3555.2	3490.2
65°	2223.9	2305.1	2854.0	4163.5	6145.7	7750.5	5828.6	3985.4	2916.2	2368.8	2298.5
67.5°	741.2	764.9	1088.2	2301.3	4830.1	6963.8	4838.2	2385.9	1269.1	841.3	816.6
70°	290.1	292.4	345.1	667.1	2280.9	4783.0	2516.9	679.0	360.8	285.4	291.5
72.5°	213.1	214.1	228.8	278.7	594.4	2107.2	615.8	280.1	222.6	199.9	199.9
75°	171.4	171.4	181.9	203.2	266.3	483.3	270.2	200.8	174.3	159.5	157.6
77.5°	135.3	138.2	146.3	160.0	180.5	232.7	187.0	159.0	140.5	126.7	123.9
80°	100.6	103.5	116.8	123.4	129.6	161.4	138.2	124.4	111.1	95.0	92.2
82.5°	66.0	68.9	85.5	89.2	87.8	105.4	93.1	91.6	81.6	61.2	58.4
85°	43.2	44.2	57.0	59.4	54.6	47.9	59.4	62.7	57.0	39.9	38.4
87.5°	20.4	20.4	28.9	27.1	24.7	19.9	27.1	31.8	32.3	19.4	19.0
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)