

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: P385932

Luminaire Tested: GAW-SA1C-740-U-5WQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385932
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-740-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7956 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

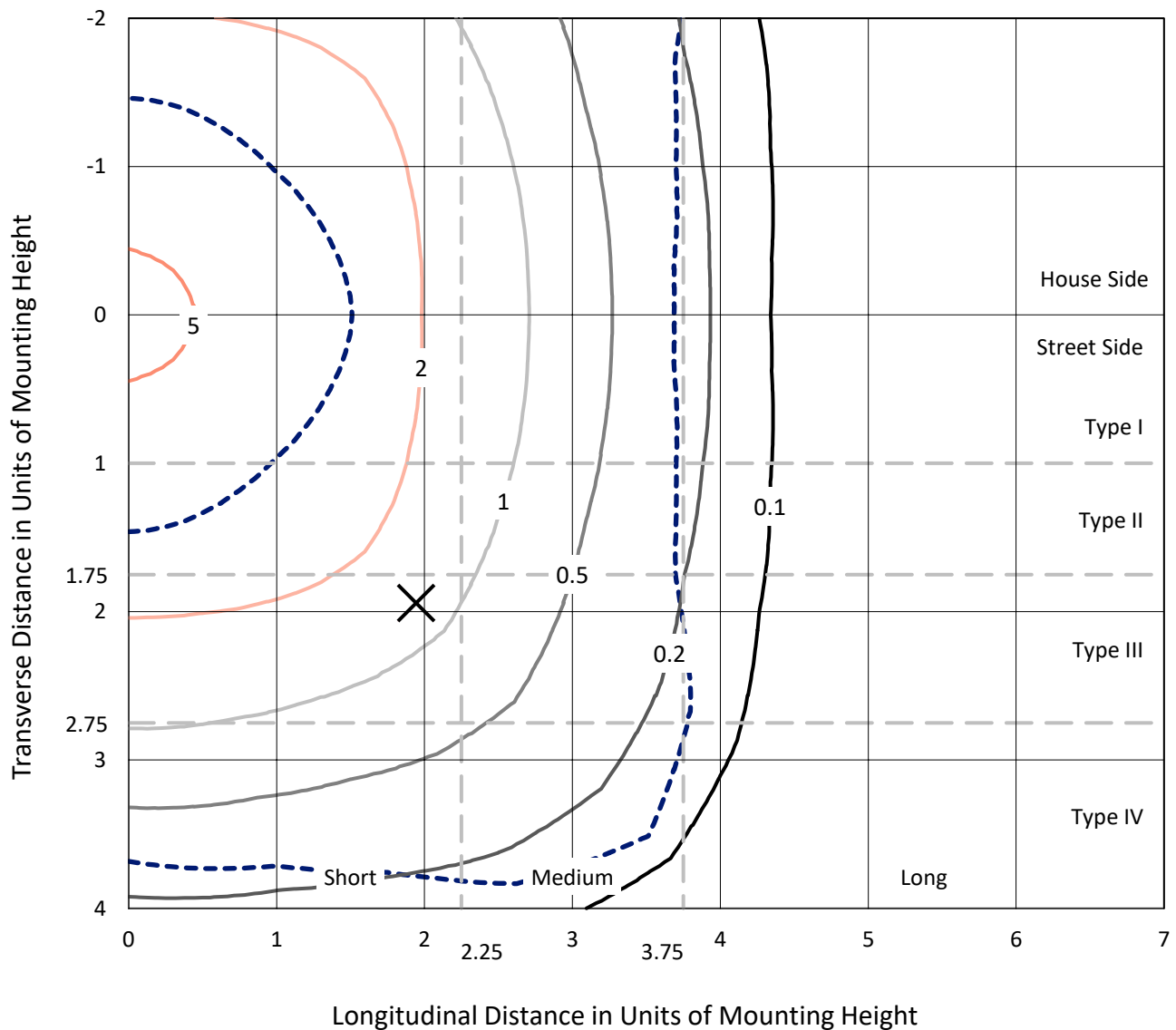
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

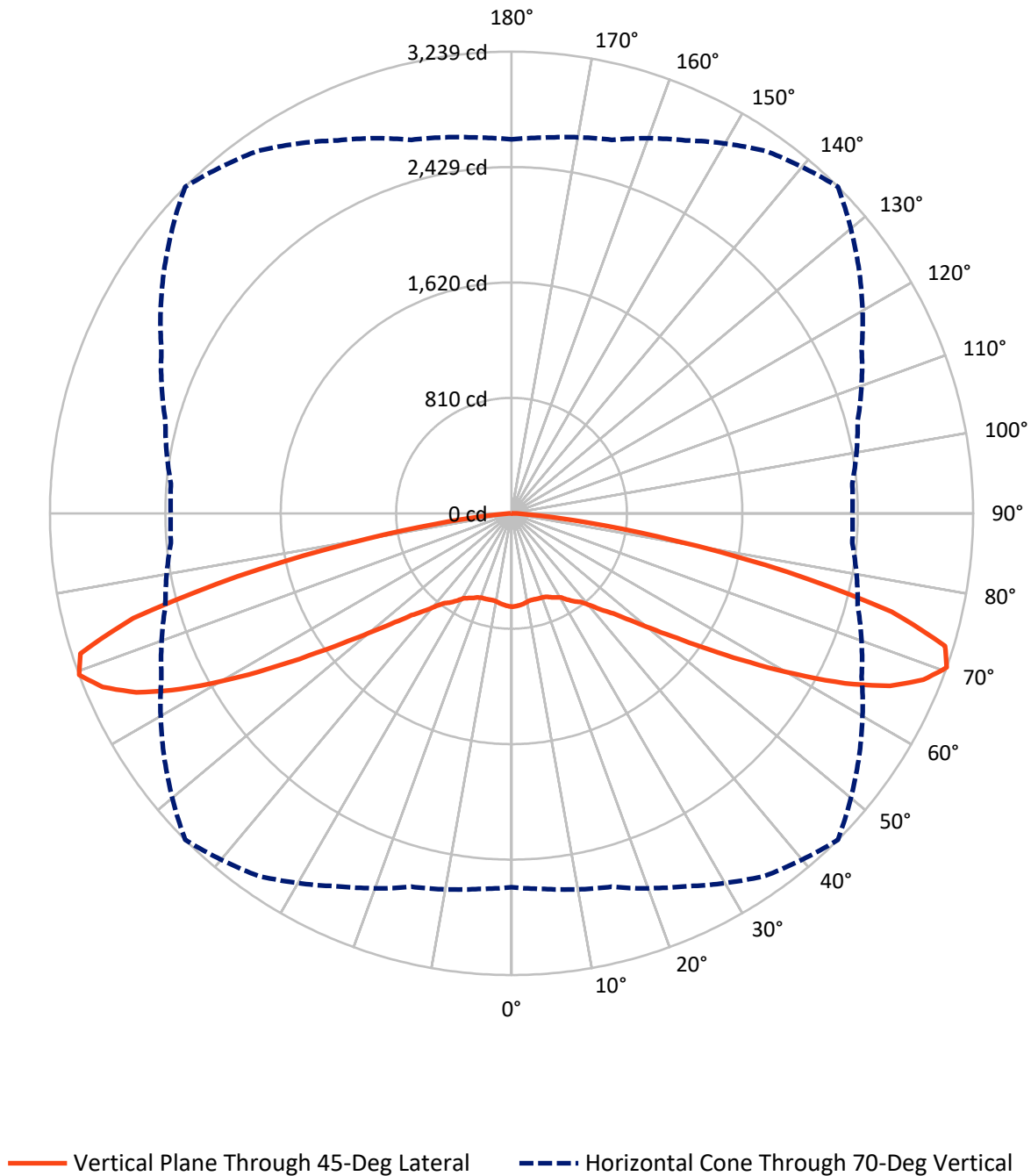
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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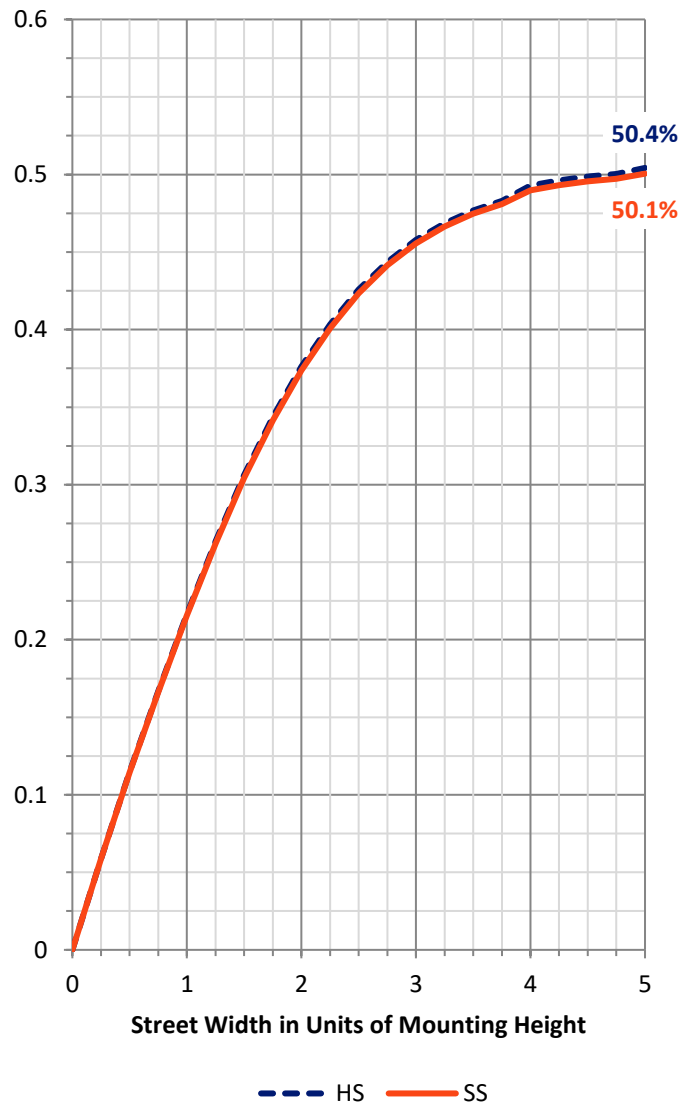
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3978.0	0.0	3978.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3978.0	0.0	3978.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7956.0	0.0	7956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	0.8
10°-20°	178.5	2.2
20°-30°	304.4	3.8
30°-40°	475.6	6.0
40°-50°	806.0	10.1
50°-60°	1469.8	18.5
60°-70°	2530.3	31.8
70°-80°	1983.4	24.9
80°-90°	147.1	1.8
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°	7956.0	100.0
0°-180°	7956.0	100.0

Coefficient of Utilization



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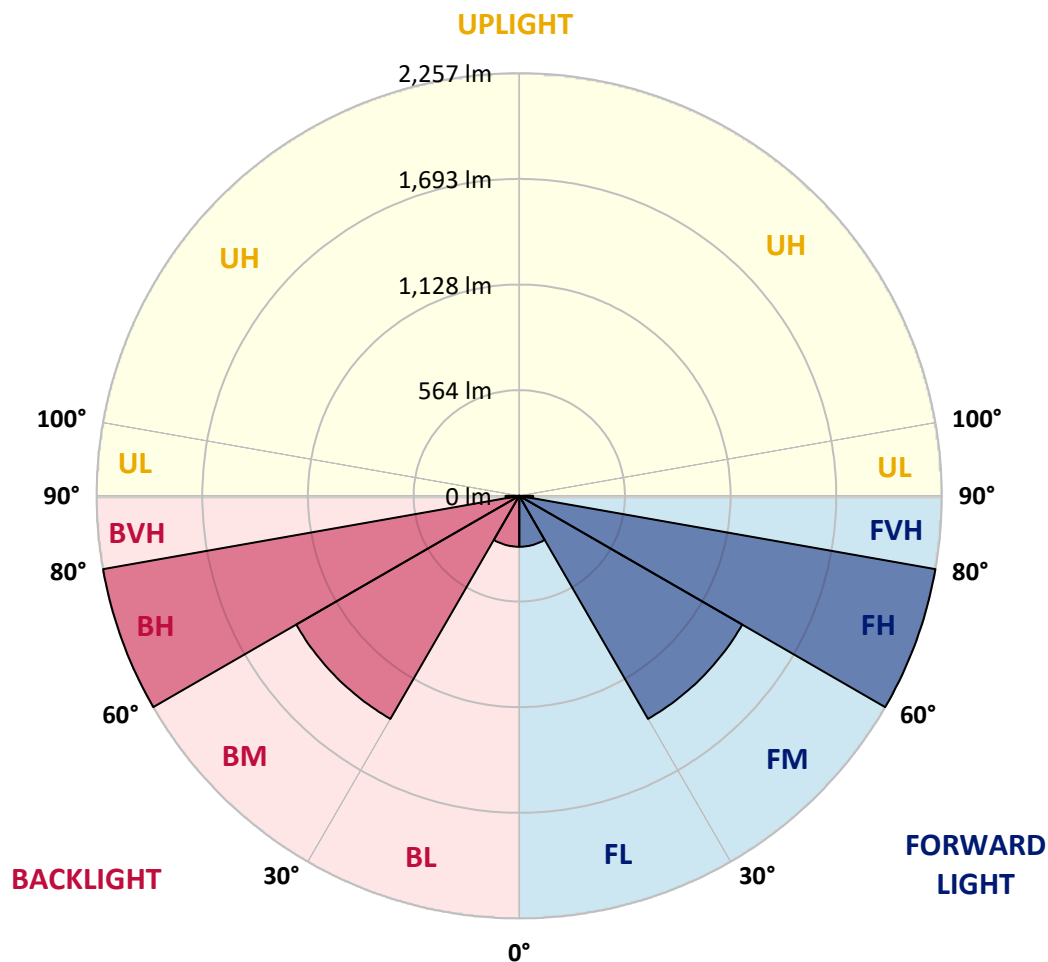
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	272.0	3.4			
FM	(30°-60°)	1375.7	17.3			
FH	(60°-80°)	2256.8	28.4			G2/5000
FVH	(80°-90°)	73.5	0.9			G1/100
BL	(0°-30°)	272.0	3.4	B1/500		
BM	(30°-60°)	1375.7	17.3	B2/2500		
BH	(60°-80°)	2256.8	28.4	B3/2500		G2/5000
BVH	(80°-90°)	73.5	0.9			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°	654.8	654.8	654.8	654.8	654.8	654.8	654.8	654.8	654.8	654.8	654.8
2.5°	651.9	652.7	651.9	652.4	651.1	651.6	651.6	651.6	651.4	651.6	651.1
5°	646.1	646.6	645.6	646.1	645.3	646.1	646.4	646.1	645.6	645.8	644.8
7.5°	637.4	637.9	637.1	637.9	636.9	638.2	637.9	637.1	636.4	636.4	635.3
10°	632.7	632.9	630.8	630.0	627.7	628.2	629.0	629.8	630.6	632.1	631.9
12.5°	632.9	632.9	629.8	626.4	622.9	623.7	625.0	627.9	631.1	634.0	634.3
15°	635.6	635.3	630.6	625.0	622.7	625.0	625.8	627.7	632.7	637.7	637.9
17.5°	637.4	637.4	630.0	623.7	623.5	627.1	626.9	627.7	633.2	640.6	640.8
20°	640.8	640.8	631.4	624.5	624.5	628.5	628.7	630.0	635.6	643.7	645.0
22.5°	648.5	648.7	638.7	633.2	633.7	636.1	636.9	639.0	644.0	652.9	654.5
25°	659.3	659.8	649.5	646.4	648.2	652.7	652.1	653.7	659.3	667.9	669.5
27.5°	674.3	672.9	663.5	662.1	664.0	667.1	666.9	667.1	671.6	679.5	681.4
30°	693.7	693.2	686.4	687.2	686.4	685.3	685.6	687.7	690.0	696.4	698.2
32.5°	712.7	713.2	709.0	712.9	718.7	722.7	716.6	710.8	708.2	711.6	713.2
35°	746.9	748.2	741.6	739.0	746.9	758.5	741.4	731.9	737.2	741.6	742.9
37.5°	805.1	805.8	794.8	784.3	778.5	789.5	772.4	773.2	791.6	800.1	799.8
40°	871.4	871.6	864.3	855.1	845.1	847.7	840.8	843.0	855.1	862.7	864.8
42.5°	950.3	949.5	938.0	924.8	921.9	924.5	913.0	911.4	925.3	939.0	939.3
45°	1052.7	1050.9	1035.9	1021.4	1007.4	1001.6	998.7	1006.4	1025.6	1038.2	1038.5
47.5°	1163.0	1158.0	1150.1	1138.5	1126.4	1120.6	1115.9	1119.5	1133.5	1138.5	1139.0
50°	1276.4	1277.5	1279.0	1274.6	1270.1	1268.2	1255.9	1248.8	1253.0	1243.8	1242.5
52.5°	1410.9	1413.0	1428.3	1441.1	1448.8	1452.7	1429.3	1404.8	1391.1	1373.2	1368.0
55°	1569.6	1573.0	1595.4	1631.2	1668.0	1687.5	1645.1	1599.3	1556.9	1523.5	1512.7
57.5°	1746.4	1752.5	1783.3	1852.0	1927.5	1973.6	1902.0	1818.8	1737.0	1688.8	1680.4
60°	1953.8	1959.6	2002.2	2100.7	2223.0	2292.3	2183.8	2047.8	1945.9	1899.9	1884.3
62.5°	2200.7	2201.2	2253.6	2368.6	2530.2	2626.5	2479.6	2297.8	2192.8	2137.2	2122.2
65°	2466.2	2467.5	2521.7	2646.0	2813.1	2917.8	2752.0	2562.5	2434.1	2352.3	2340.7
67.5°	2653.9	2659.4	2716.5	2866.0	3022.3	3116.8	2945.2	2731.0	2582.5	2484.9	2475.2
70°	2623.9	2645.4	2712.5	2887.0	3104.4	3239.2	2976.5	2711.0	2515.2	2399.9	2391.7
72.5°	2288.3	2329.6	2419.1	2648.1	2995.7	3181.3	2805.7	2428.1	2206.5	2108.3	2093.6
75°	1558.3	1625.4	1760.4	2090.7	2559.4	2754.4	2362.0	1935.9	1727.5	1591.7	1581.7
77.5°	694.8	710.0	881.1	1261.4	1766.2	1978.0	1716.2	1266.4	950.6	758.2	717.7
80°	193.7	196.1	261.6	469.8	884.0	1162.2	949.0	493.5	277.4	195.5	184.2
82.5°	61.6	66.8	81.6	121.9	297.1	530.3	305.0	131.6	93.7	74.7	67.4
85°	30.0	29.7	41.3	49.5	75.8	117.4	80.8	61.1	53.4	35.5	32.1
87.5°	12.6	12.9	19.2	17.4	22.1	18.9	26.1	27.4	28.7	15.8	13.7
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)