

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: P386352

Luminaire Tested: GAW-SA2A-730-U-5WQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386352
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-SA2A-730-U-5WQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9329 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

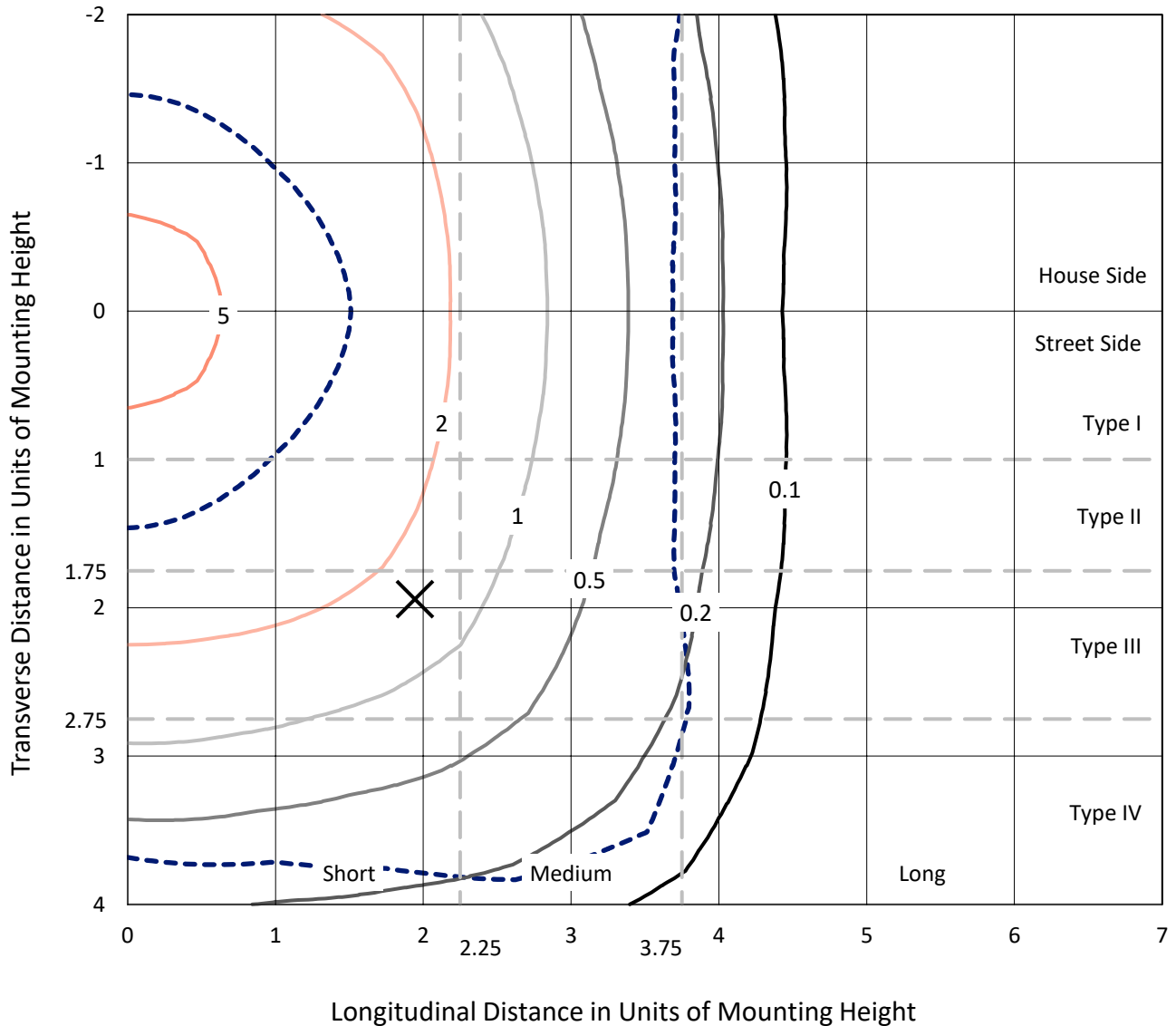
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

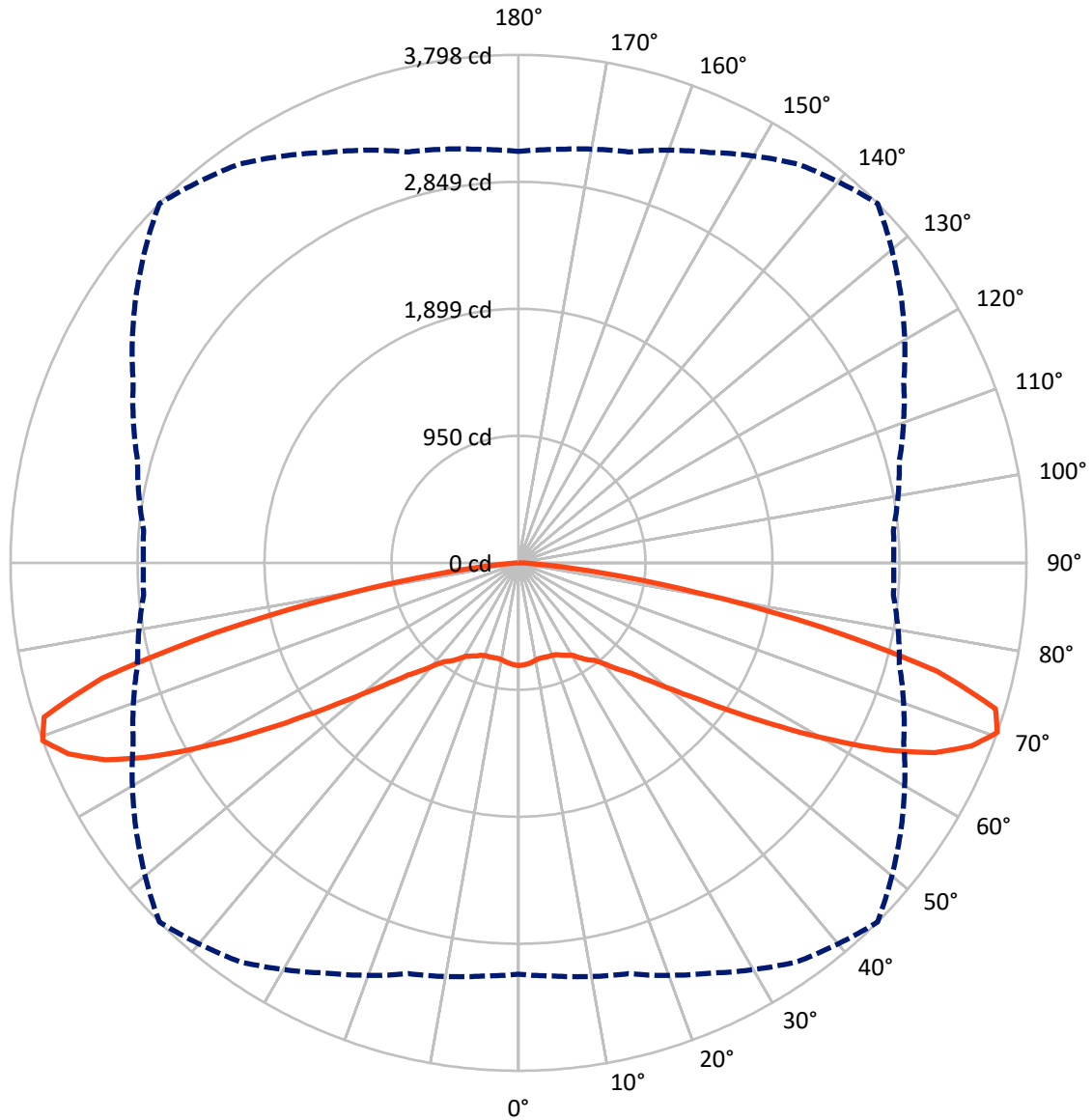
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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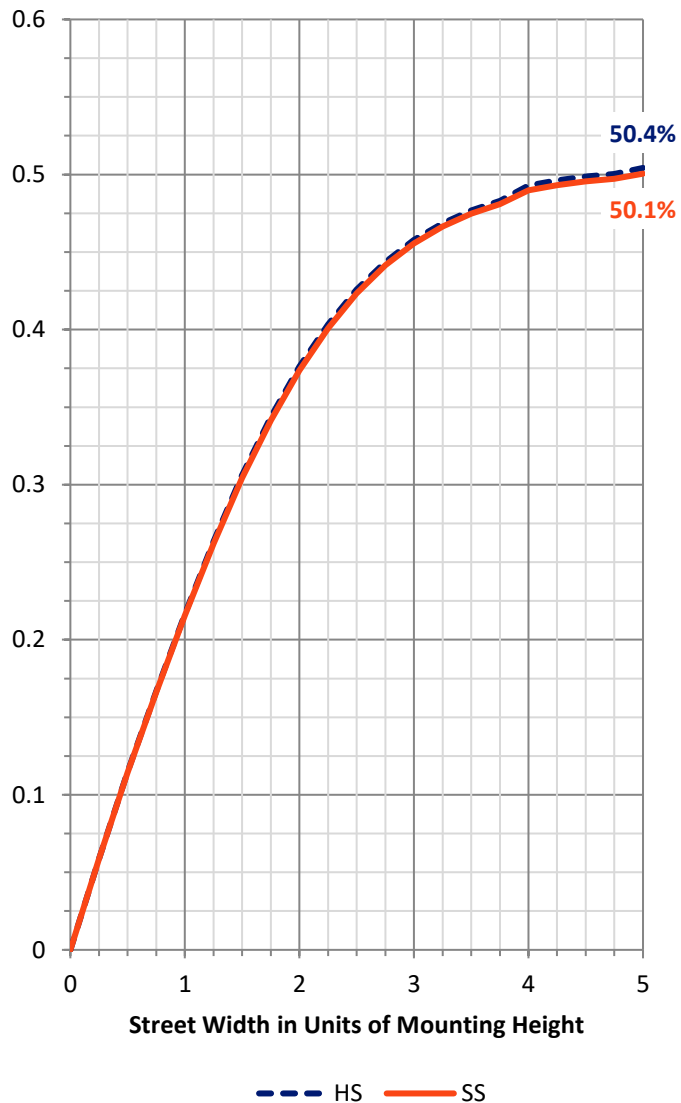
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4664.5	0.0	4664.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4664.5	0.0	4664.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9329.0	0.0	9329.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	0.8
10°-20°	209.3	2.2
20°-30°	356.9	3.8
30°-40°	557.6	6.0
40°-50°	945.1	10.1
50°-60°	1723.4	18.5
60°-70°	2967.0	31.8
70°-80°	2325.6	24.9
80°-90°	172.4	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°	9329.0	100.0
0°-180°	9329.0	100.0

Coefficient of Utilization



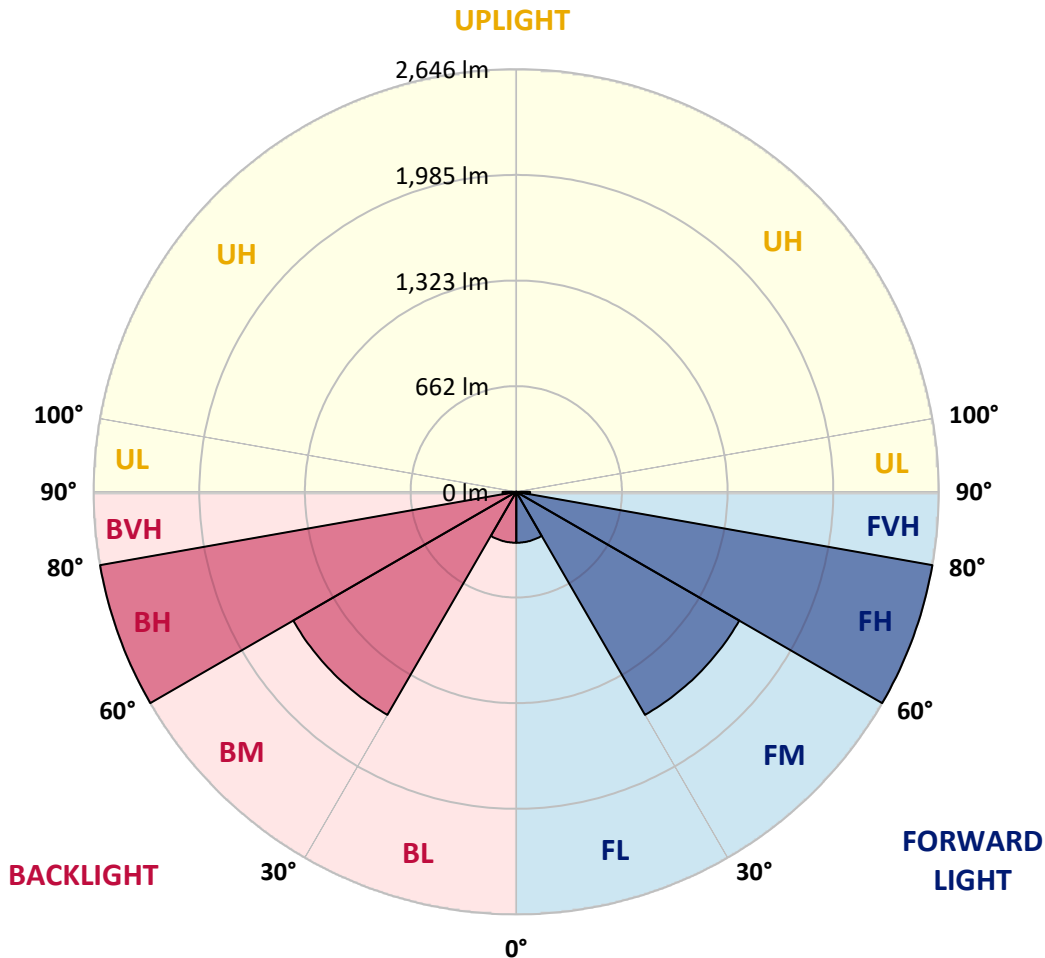
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.9	3.4			
FM (30°-60°)	1613.1	17.3			
FH (60°-80°)	2646.3	28.4			G2/5000
FVH (80°-90°)	86.2	0.9			G1/100
BL (0°-30°)	318.9	3.4	B1/500		
BM (30°-60°)	1613.1	17.3	B2/2500		
BH (60°-80°)	2646.3	28.4	B4/5000		G2/5000
BVH (80°-90°)	86.2	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	767.8	767.8	767.8	767.8	767.8	767.8	767.8	767.8	767.8	767.8	767.8
2.5°	764.4	765.3	764.4	765.0	763.5	764.1	764.1	764.1	763.8	764.1	763.5
5°	757.6	758.2	757.0	757.6	756.7	757.6	757.9	757.6	757.0	757.3	756.1
7.5°	747.4	748.0	747.1	748.0	746.8	748.3	748.0	747.1	746.2	746.2	744.9
10°	741.9	742.2	739.7	738.8	736.0	736.6	737.5	738.5	739.4	741.2	740.9
12.5°	742.2	742.2	738.5	734.4	730.4	731.4	732.9	736.3	740.0	743.4	743.7
15°	745.3	744.9	739.4	732.9	730.1	732.9	733.8	736.0	741.9	747.7	748.0
17.5°	747.4	747.4	738.8	731.4	731.1	735.4	735.1	736.0	742.5	751.1	751.4
20°	751.4	751.4	740.3	732.3	732.3	736.9	737.2	738.8	745.3	754.8	756.4
22.5°	760.4	760.7	749.0	742.5	743.1	745.9	746.8	749.3	755.1	765.6	767.5
25°	773.0	773.6	761.6	757.9	760.1	765.3	764.7	766.5	773.0	783.2	785.1
27.5°	790.6	789.1	778.0	776.4	778.6	782.3	782.0	782.3	787.5	796.8	798.9
30°	813.4	812.8	804.8	805.7	804.8	803.6	803.9	806.4	809.1	816.5	818.7
32.5°	835.7	836.3	831.3	836.0	842.8	847.4	840.3	833.5	830.4	834.4	836.3
35°	875.8	877.3	869.6	866.5	875.8	889.4	869.3	858.2	864.4	869.6	871.2
37.5°	944.0	944.9	931.9	919.6	912.8	925.8	905.7	906.6	928.2	938.1	937.8
40°	1021.7	1022.1	1013.4	1002.6	990.9	994.0	986.0	988.4	1002.6	1011.6	1014.0
42.5°	1114.3	1113.4	1099.8	1084.4	1081.0	1084.1	1070.5	1068.7	1085.0	1101.1	1101.4
45°	1234.4	1232.2	1214.6	1197.6	1181.3	1174.5	1171.1	1180.1	1202.6	1217.4	1217.7
47.5°	1363.7	1357.8	1348.5	1335.0	1320.8	1314.0	1308.4	1312.8	1329.1	1335.0	1335.6
50°	1496.7	1497.9	1499.8	1494.5	1489.3	1487.1	1472.6	1464.3	1469.2	1458.4	1456.9
52.5°	1654.4	1656.8	1674.7	1689.9	1698.8	1703.4	1676.0	1647.3	1631.2	1610.2	1604.1
55°	1840.4	1844.5	1870.7	1912.7	1955.9	1978.7	1929.0	1875.3	1825.6	1786.4	1773.8
57.5°	2047.8	2054.9	2091.0	2171.6	2260.1	2314.1	2230.2	2132.7	2036.7	1980.2	1970.4
60°	2291.0	2297.8	2347.8	2463.2	2606.7	2687.8	2560.7	2401.2	2281.7	2227.7	2209.5
62.5°	2580.4	2581.1	2642.5	2777.3	2966.8	3079.8	2907.6	2694.3	2571.2	2506.1	2488.5
65°	2891.8	2893.4	2956.9	3102.6	3298.5	3421.4	3227.0	3004.8	2854.2	2758.2	2744.6
67.5°	3111.8	3118.3	3185.3	3360.6	3543.9	3654.7	3453.5	3202.3	3028.2	2913.7	2902.3
70°	3076.7	3102.0	3180.7	3385.3	3640.2	3798.2	3490.2	3178.8	2949.2	2814.1	2804.5
72.5°	2683.2	2731.7	2836.6	3105.1	3512.7	3730.3	3289.9	2847.1	2587.2	2472.1	2454.9
75°	1827.2	1905.9	2064.2	2451.5	3001.1	3229.7	2769.6	2270.0	2025.6	1866.4	1854.6
77.5°	814.7	832.6	1033.2	1479.1	2071.0	2319.4	2012.3	1484.9	1114.6	889.1	841.5
80°	227.1	229.9	306.7	550.8	1036.6	1362.7	1112.8	578.6	325.3	229.3	216.0
82.5°	72.2	78.4	95.7	142.9	348.4	621.8	357.7	154.3	109.9	87.6	79.0
85°	35.2	34.9	48.4	58.0	88.9	137.6	94.7	71.6	62.6	41.7	37.6
87.5°	14.8	15.1	22.5	20.4	25.9	22.2	30.6	32.1	33.6	18.5	16.0
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)