

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: P386828

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386828
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-SA2C-735-U-5WQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14605.7 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

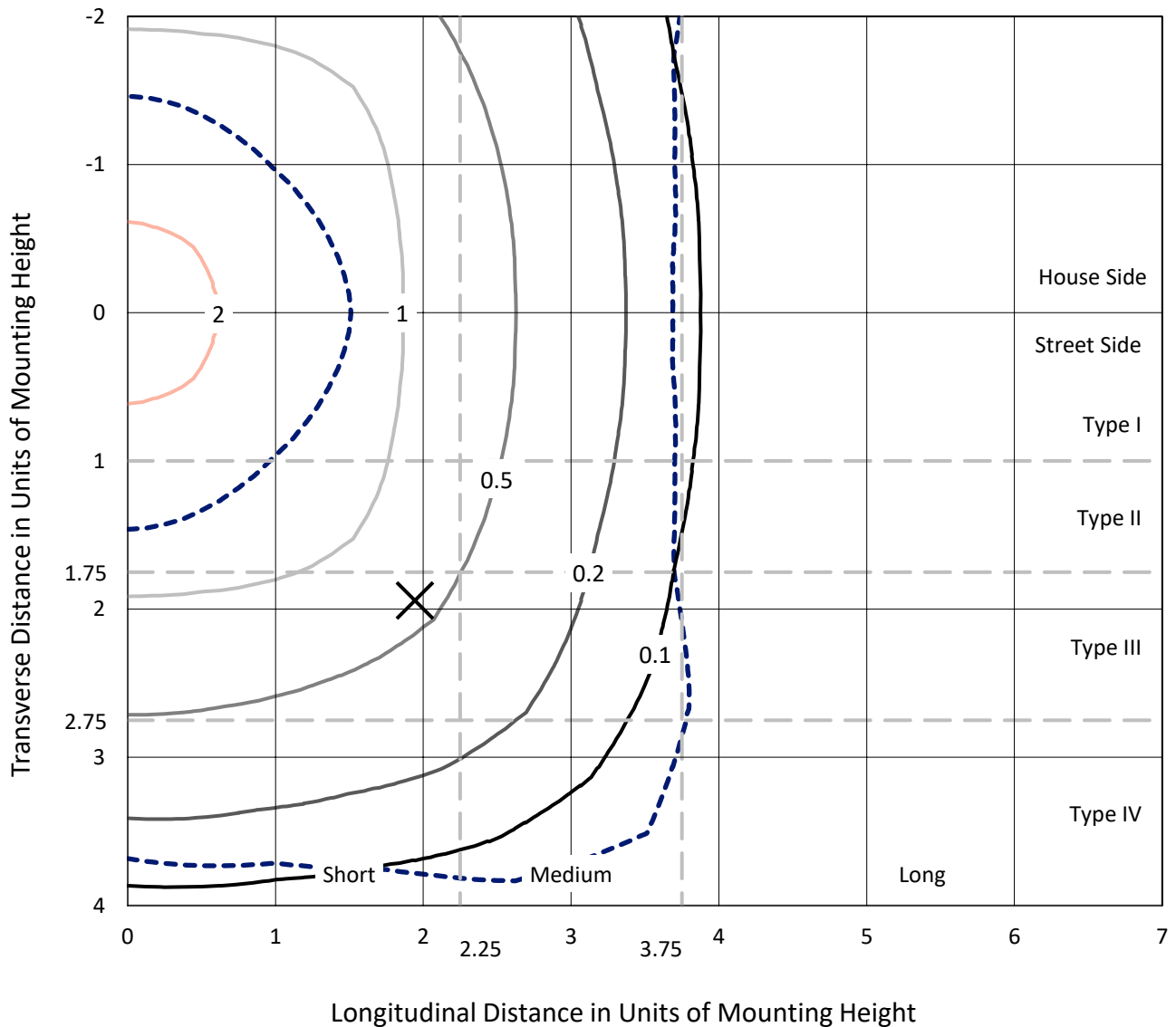
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

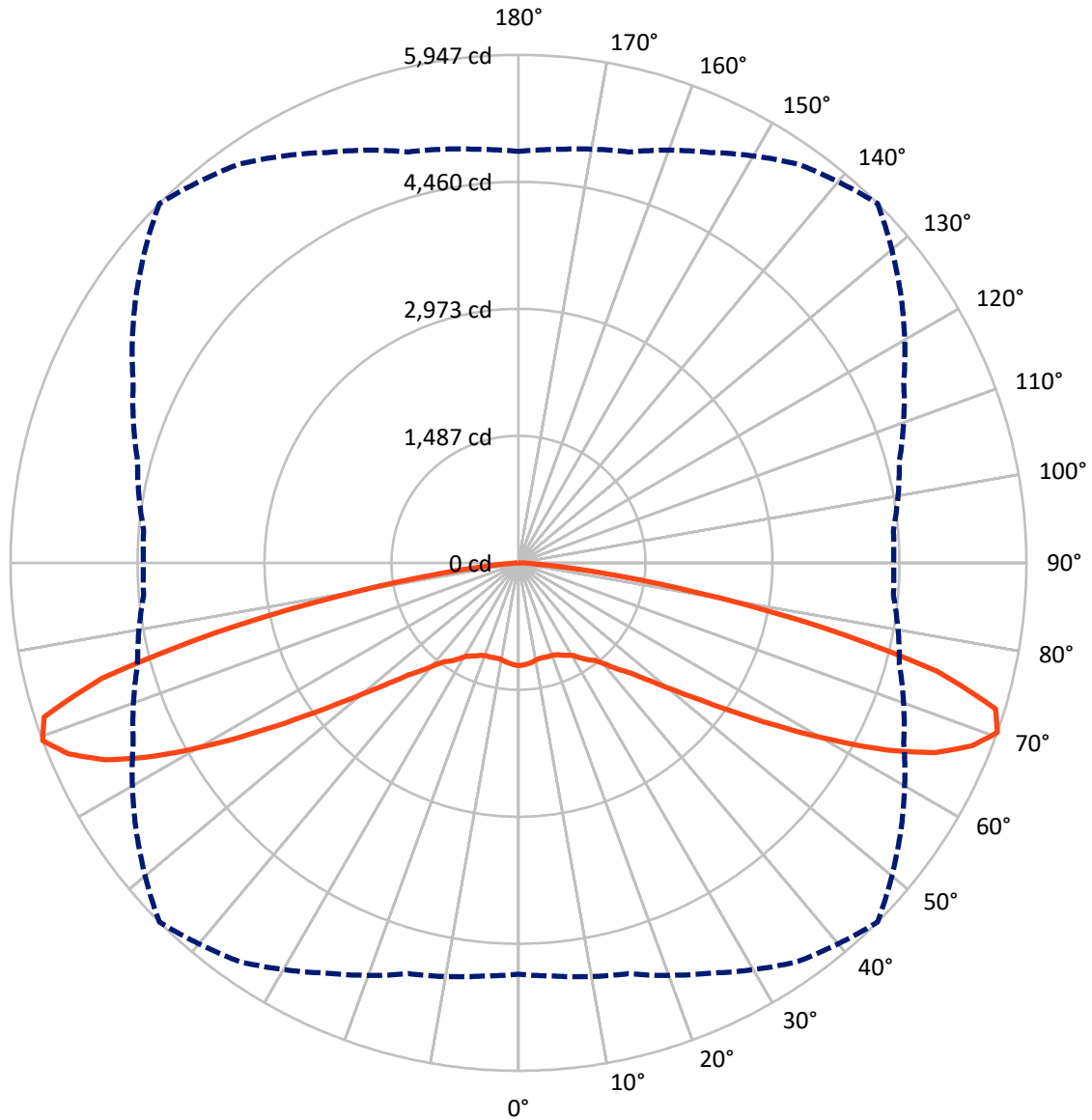
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3 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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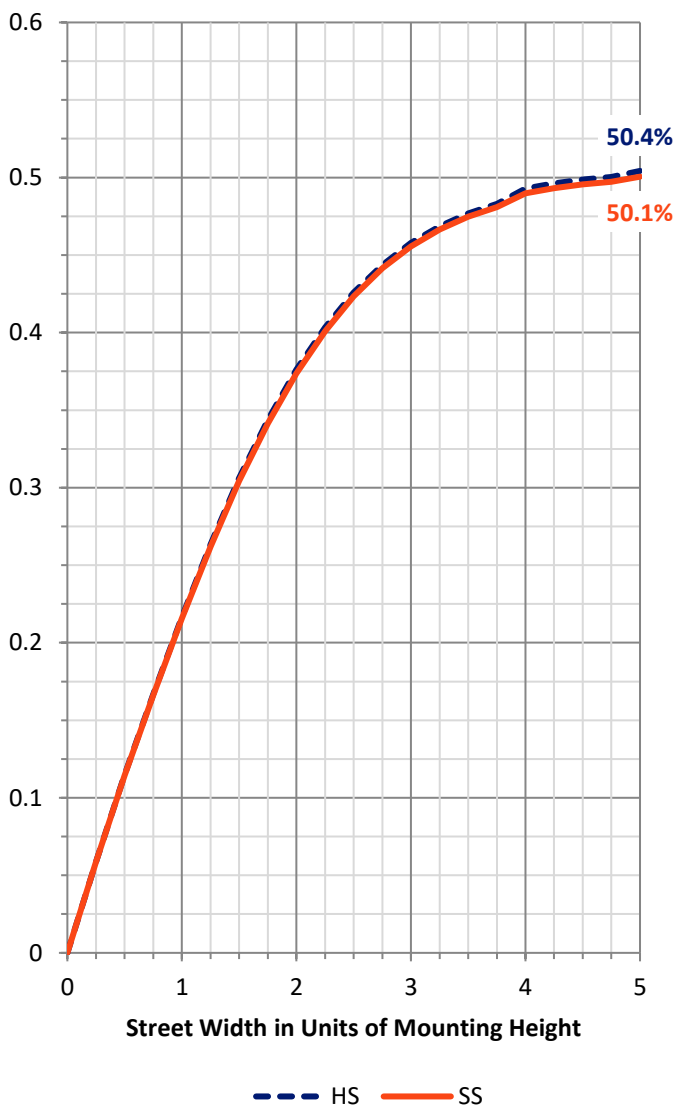
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7302.8	0.0	7302.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7302.8	0.0	7302.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14605.7	0.0	14605.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	0.8
10°-20°	327.7	2.2
20°-30°	558.7	3.8
30°-40°	873.1	6.0
40°-50°	1479.6	10.1
50°-60°	2698.2	18.5
60°-70°	4645.1	31.8
70°-80°	3641.0	24.9
80°-90°	270.0	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°	14605.7	100.0
0°-180°	14605.7	100.0

Coefficient of Utilization

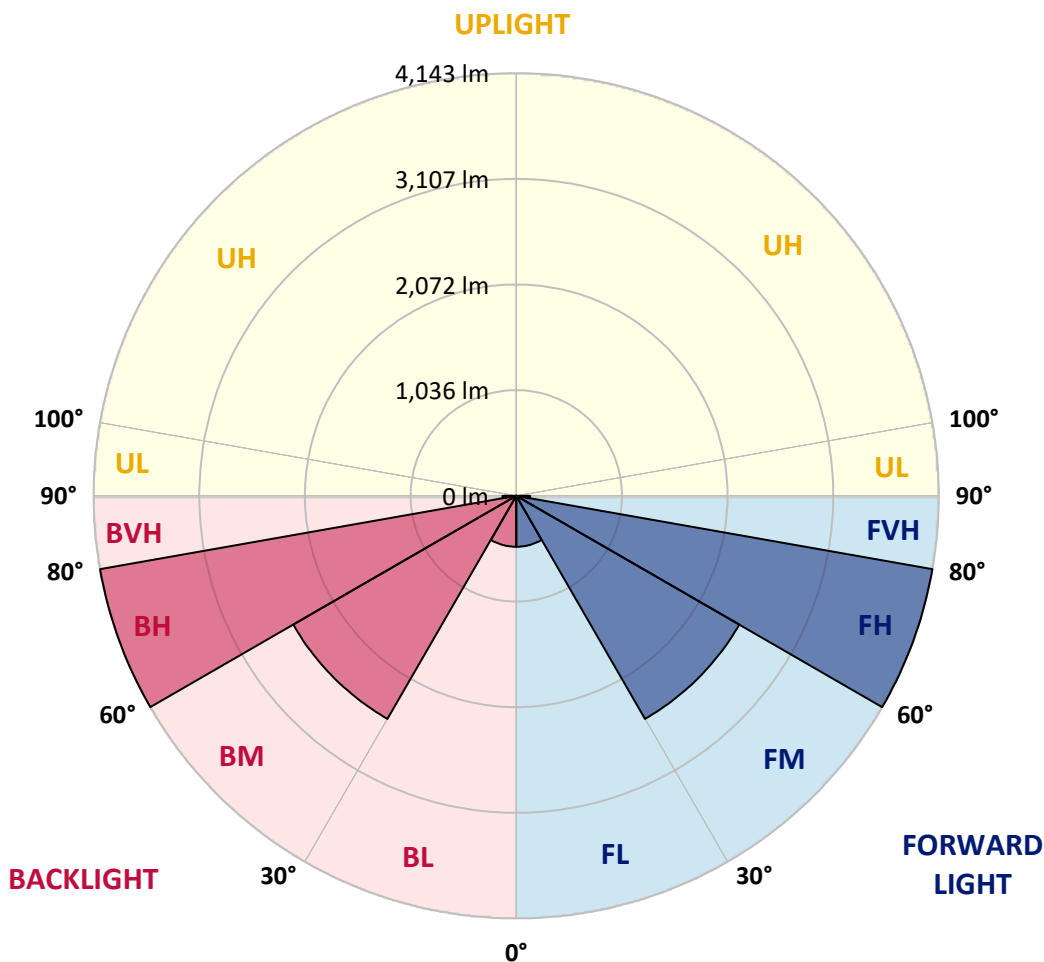


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	499.3	3.4			
FM (30°-60°)	2525.4	17.3			
FH (60°-80°)	4143.1	28.4			G2/5000
FVH (80°-90°)	135.0	0.9			G2/225
BL (0°-30°)	499.3	3.4	B1/500		
BM (30°-60°)	2525.4	17.3	B3/5000		
BH (60°-80°)	4143.1	28.4	B4/5000		G2/5000
BVH (80°-90°)	135.0	0.9			G2/225
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°	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0
2.5°	1196.7	1198.2	1196.7	1197.7	1195.3	1196.2	1196.2	1196.2	1195.8	1196.2	1195.3
5°	1186.1	1187.1	1185.1	1186.1	1184.7	1186.1	1186.5	1186.1	1185.1	1185.6	1183.7
7.5°	1170.2	1171.1	1169.6	1171.1	1169.2	1171.6	1171.1	1169.6	1168.2	1168.2	1166.3
10°	1161.5	1161.9	1158.1	1156.7	1152.3	1153.3	1154.7	1156.1	1157.6	1160.5	1160.1
12.5°	1161.9	1161.9	1156.1	1149.9	1143.6	1145.0	1147.5	1152.7	1158.6	1163.9	1164.4
15°	1166.8	1166.3	1157.6	1147.5	1143.1	1147.5	1148.9	1152.3	1161.5	1170.7	1171.1
17.5°	1170.2	1170.2	1156.7	1145.0	1144.6	1151.3	1150.9	1152.3	1162.4	1175.9	1176.4
20°	1176.4	1176.4	1159.0	1146.5	1146.5	1153.8	1154.2	1156.7	1166.8	1181.8	1184.2
22.5°	1190.5	1191.0	1172.6	1162.4	1163.4	1167.8	1169.2	1173.0	1182.2	1198.7	1201.6
25°	1210.2	1211.3	1192.4	1186.5	1189.9	1198.2	1197.3	1200.1	1210.2	1226.2	1229.1
27.5°	1237.8	1235.4	1218.0	1215.6	1219.0	1224.8	1224.3	1224.8	1233.0	1247.4	1250.8
30°	1273.5	1272.6	1260.0	1261.5	1260.0	1258.1	1258.6	1262.5	1266.8	1278.4	1281.8
32.5°	1308.4	1309.3	1301.6	1308.9	1319.5	1326.7	1315.6	1305.0	1300.1	1306.4	1309.3
35°	1371.1	1373.6	1361.5	1356.7	1371.1	1392.4	1361.0	1343.6	1353.3	1361.5	1363.9
37.5°	1477.9	1479.4	1459.1	1439.7	1429.1	1449.4	1418.0	1419.4	1453.2	1468.7	1468.3
40°	1599.7	1600.2	1586.6	1569.7	1551.3	1556.2	1543.6	1547.5	1569.7	1583.7	1587.6
42.5°	1744.6	1743.1	1721.9	1697.8	1692.4	1697.3	1676.0	1673.2	1698.7	1723.9	1724.4
45°	1932.5	1929.1	1901.6	1875.0	1849.5	1838.9	1833.5	1847.5	1882.8	1906.0	1906.5
47.5°	2135.0	2125.8	2111.3	2090.1	2067.8	2057.2	2048.5	2055.3	2080.9	2090.1	2091.0
50°	2343.2	2345.2	2348.0	2339.8	2331.7	2328.3	2305.6	2292.5	2300.2	2283.3	2280.9
52.5°	2590.1	2593.9	2622.0	2645.7	2659.7	2666.9	2623.9	2579.0	2553.8	2521.1	2511.4
55°	2881.4	2887.7	2928.7	2994.5	3062.1	3097.9	3020.1	2936.1	2858.3	2796.9	2777.1
57.5°	3206.2	3217.2	3273.8	3399.9	3538.5	3623.1	3491.6	3339.0	3188.7	3100.3	3084.9
60°	3586.8	3597.5	3675.8	3856.4	4081.1	4208.1	4009.1	3759.3	3572.3	3487.8	3459.3
62.5°	4040.1	4041.0	4137.1	4348.3	4644.9	4821.7	4552.1	4218.3	4025.5	3923.6	3896.0
65°	4527.5	4529.9	4629.4	4857.5	5164.3	5356.6	5052.2	4704.3	4468.6	4318.3	4297.1
67.5°	4872.0	4882.1	4987.0	5261.4	5548.3	5721.8	5406.8	5013.5	4741.0	4561.8	4543.9
70°	4816.9	4856.5	4979.7	5300.1	5699.1	5946.5	5464.3	4976.8	4617.4	4405.8	4390.7
72.5°	4200.9	4276.8	4441.0	4861.4	5499.6	5840.2	5150.8	4457.4	4050.7	3870.4	3843.3
75°	2860.6	2983.9	3231.7	3838.1	4698.6	5056.6	4336.1	3554.0	3171.3	2922.0	2903.7
77.5°	1275.5	1303.5	1617.5	2315.7	3242.3	3631.3	3150.5	2324.9	1745.1	1391.9	1317.5
80°	355.6	360.0	480.2	862.4	1622.9	2133.6	1742.2	905.9	509.2	358.9	338.2
82.5°	113.0	122.7	149.7	223.7	545.5	973.5	560.0	241.6	172.0	137.2	123.7
85°	55.0	54.6	75.8	90.8	139.1	215.5	148.3	112.1	98.1	65.2	58.9
87.5°	23.2	23.7	35.2	31.8	40.6	34.8	47.8	50.3	52.7	29.0	25.1
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)