

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: P386940

Luminaire Tested: GAW-SA2C-830-U-5WQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386940
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-830-U-5WQ
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 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: 12355 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

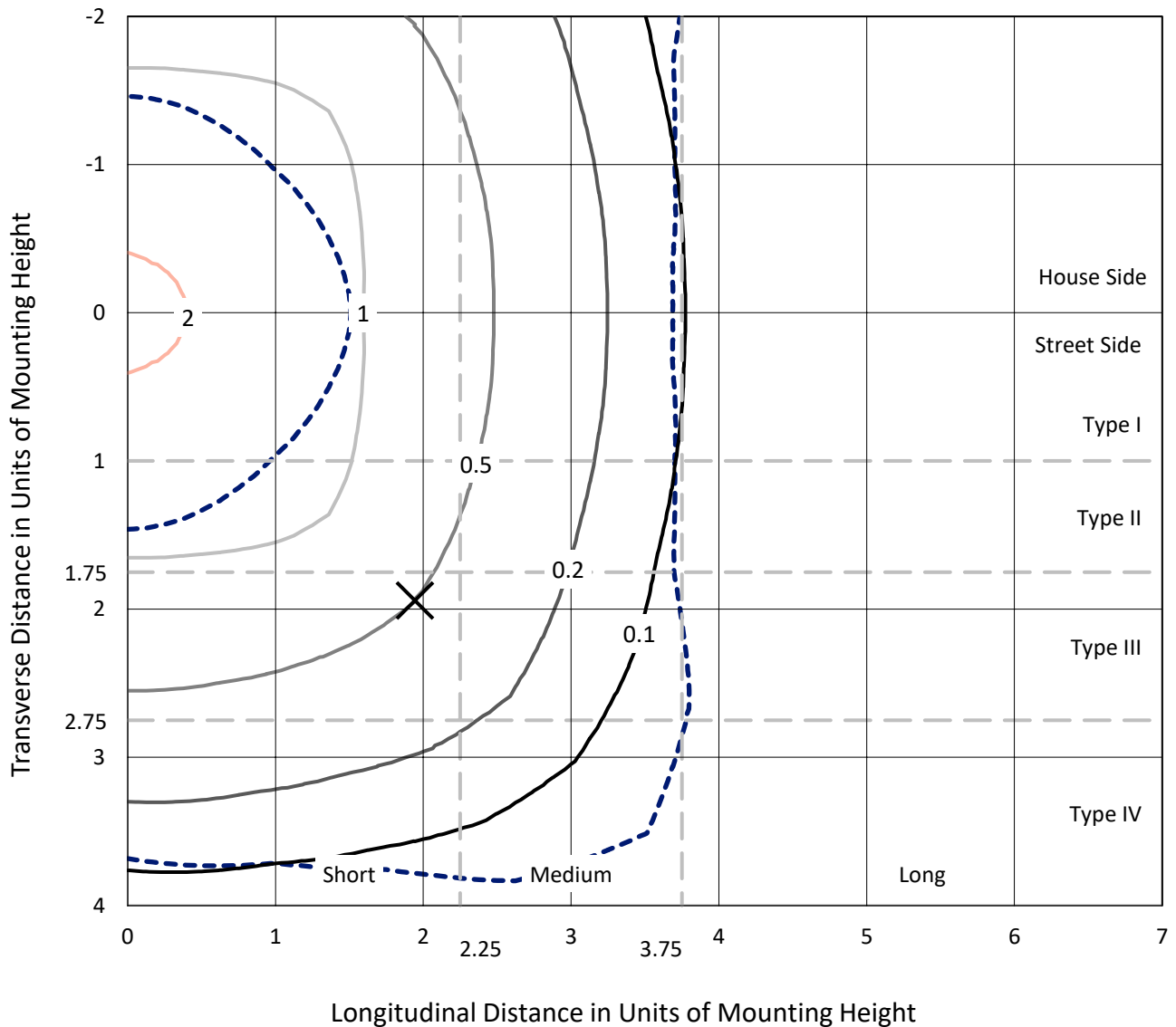
Input Watts (W): 111
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

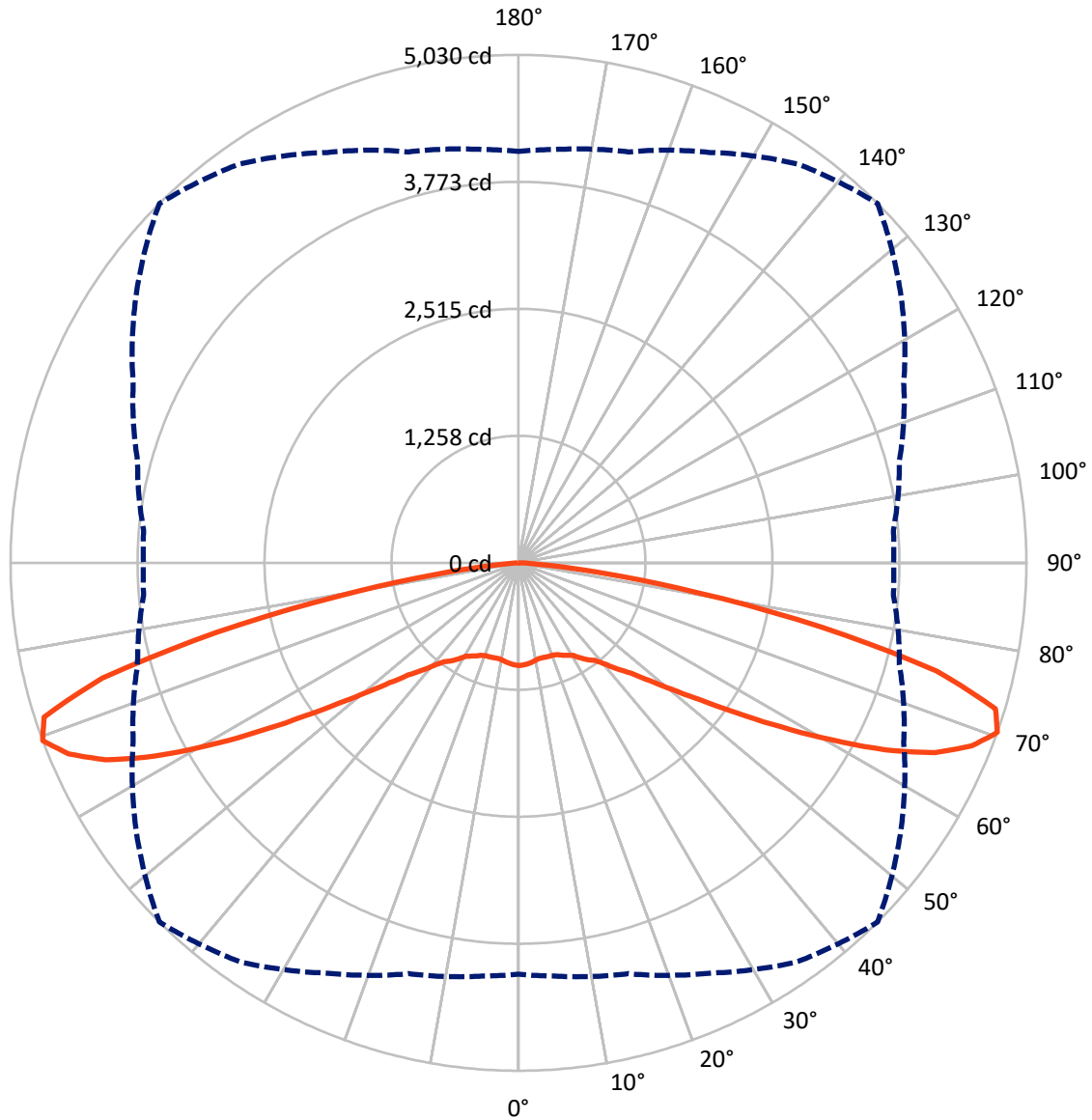
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.5 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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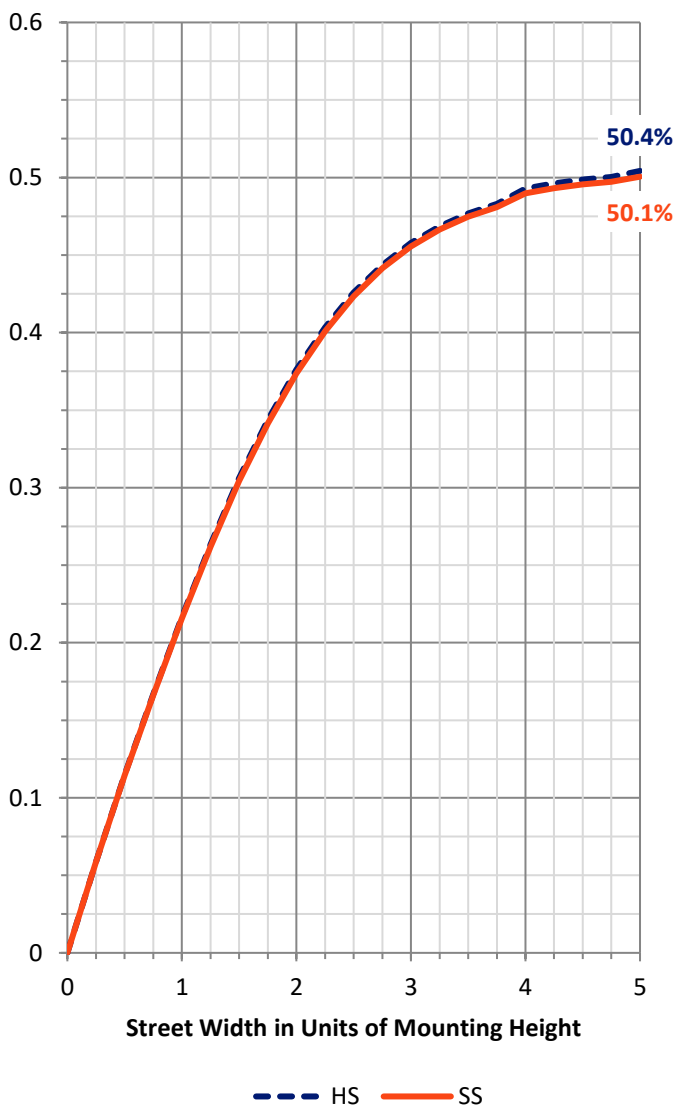
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6177.5	0.0	6177.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6177.5	0.0	6177.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12355.0	0.0	12355.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	0.8
10°-20°	277.2	2.2
20°-30°	472.6	3.8
30°-40°	738.5	6.0
40°-50°	1251.6	10.1
50°-60°	2282.4	18.5
60°-70°	3929.3	31.8
70°-80°	3080.0	24.9
80°-90°	228.4	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°	12355.0	100.0
0°-180°	12355.0	100.0

Coefficient of Utilization



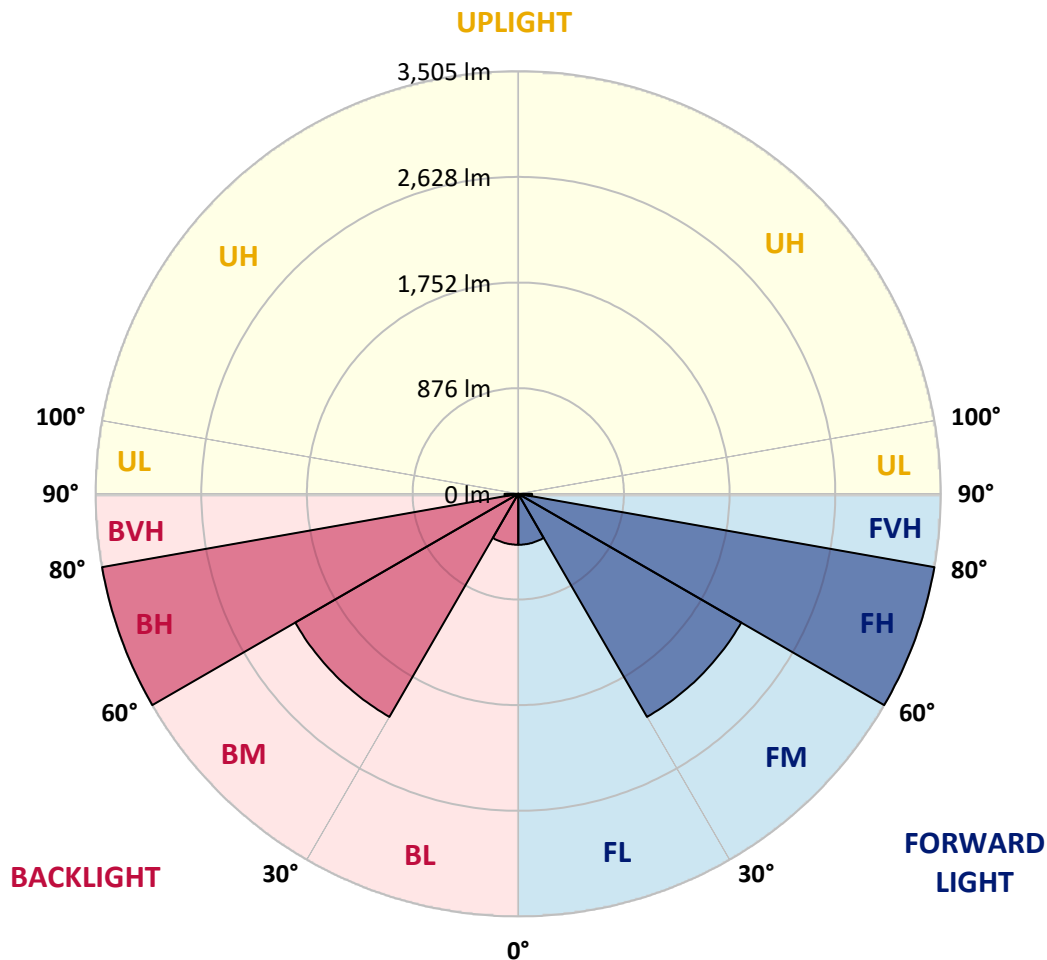
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.4	3.4			
FM (30°-60°)	2136.3	17.3			
FH (60°-80°)	3504.7	28.4			G2/5000
FVH (80°-90°)	114.2	0.9			G2/225
BL (0°-30°)	422.4	3.4	B1/500		
BM (30°-60°)	2136.3	17.3	B2/2500		
BH (60°-80°)	3504.7	28.4	B4/5000		G2/5000
BVH (80°-90°)	114.2	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°	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8
2.5°	1012.3	1013.5	1012.3	1013.1	1011.1	1011.9	1011.9	1011.9	1011.5	1011.9	1011.1
5°	1003.3	1004.1	1002.5	1003.3	1002.1	1003.3	1003.7	1003.3	1002.5	1002.9	1001.3
7.5°	989.8	990.7	989.4	990.7	989.0	991.1	990.7	989.4	988.2	988.2	986.6
10°	982.5	982.9	979.6	978.4	974.7	975.5	976.8	978.0	979.2	981.7	981.3
12.5°	982.9	982.9	978.0	972.7	967.4	968.6	970.6	975.1	980.0	984.5	984.9
15°	987.0	986.6	979.2	970.6	967.0	970.6	971.9	974.7	982.5	990.3	990.7
17.5°	989.8	989.8	978.4	968.6	968.2	973.9	973.5	974.7	983.3	994.7	995.2
20°	995.2	995.2	980.4	969.8	969.8	975.9	976.4	978.4	987.0	999.7	1001.7
22.5°	1007.0	1007.4	991.9	983.3	984.1	987.8	989.0	992.3	1000.1	1014.0	1016.4
25°	1023.8	1024.6	1008.6	1003.7	1006.6	1013.5	1012.7	1015.2	1023.8	1037.3	1039.7
27.5°	1047.1	1045.0	1030.3	1028.3	1031.1	1036.0	1035.6	1036.0	1043.0	1055.2	1058.1
30°	1077.3	1076.5	1065.9	1067.1	1065.9	1064.2	1064.6	1067.9	1071.6	1081.4	1084.3
32.5°	1106.7	1107.5	1101.0	1107.1	1116.1	1122.3	1112.9	1103.9	1099.8	1105.1	1107.5
35°	1159.9	1161.9	1151.7	1147.6	1159.9	1177.8	1151.3	1136.6	1144.7	1151.7	1153.7
37.5°	1250.2	1251.4	1234.2	1217.9	1208.9	1226.1	1199.5	1200.7	1229.3	1242.4	1242.0
40°	1353.2	1353.6	1342.1	1327.8	1312.3	1316.4	1305.8	1309.0	1327.8	1339.7	1343.0
42.5°	1475.8	1474.5	1456.6	1436.1	1431.6	1435.7	1417.7	1415.3	1437.0	1458.2	1458.6
45°	1634.8	1631.9	1608.6	1586.1	1564.5	1555.5	1551.0	1562.8	1592.7	1612.3	1612.7
47.5°	1806.0	1798.2	1786.0	1768.0	1749.2	1740.2	1732.8	1738.6	1760.2	1768.0	1768.8
50°	1982.1	1983.8	1986.2	1979.3	1972.3	1969.5	1950.3	1939.2	1945.8	1931.5	1929.4
52.5°	2191.0	2194.3	2218.0	2238.0	2249.8	2256.0	2219.6	2181.6	2160.3	2132.5	2124.4
55°	2437.4	2442.7	2477.5	2533.1	2590.3	2620.5	2554.7	2483.6	2417.8	2365.9	2349.1
57.5°	2712.1	2721.5	2769.3	2875.9	2993.2	3064.8	2953.6	2824.4	2697.3	2622.6	2609.5
60°	3034.1	3043.1	3109.3	3262.2	3452.2	3559.7	3391.3	3180.0	3021.8	2950.3	2926.2
62.5°	3417.5	3418.3	3499.6	3678.2	3929.1	4078.7	3850.7	3568.3	3405.2	3319.0	3295.7
65°	3829.8	3831.9	3916.1	4109.0	4368.5	4531.1	4273.7	3979.4	3780.0	3652.9	3634.9
67.5°	4121.2	4129.8	4218.5	4450.6	4693.4	4840.1	4573.6	4241.0	4010.5	3858.8	3843.7
70°	4074.6	4108.1	4212.4	4483.3	4820.9	5030.1	4622.3	4209.9	3905.8	3726.8	3714.2
72.5°	3553.6	3617.7	3756.7	4112.2	4652.1	4940.2	4357.0	3770.6	3426.4	3274.0	3251.1
75°	2419.8	2524.1	2733.7	3246.6	3974.5	4277.3	3668.0	3006.3	2682.6	2471.8	2456.2
77.5°	1078.9	1102.6	1368.3	1958.8	2742.7	3071.7	2665.1	1966.6	1476.2	1177.4	1114.5
80°	300.8	304.5	406.2	729.5	1372.8	1804.8	1473.7	766.3	430.8	303.7	286.1
82.5°	95.6	103.8	126.7	189.2	461.4	823.5	473.7	204.3	145.5	116.1	104.6
85°	46.6	46.2	64.2	76.8	117.7	182.3	125.5	94.8	83.0	55.2	49.9
87.5°	19.6	20.0	29.8	27.0	34.3	29.4	40.5	42.5	44.5	24.5	21.3
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)