

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: P385819

Luminaire Tested: GAW-SA1B-830-U-5NQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385819
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-SA1B-830-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5003 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 44
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

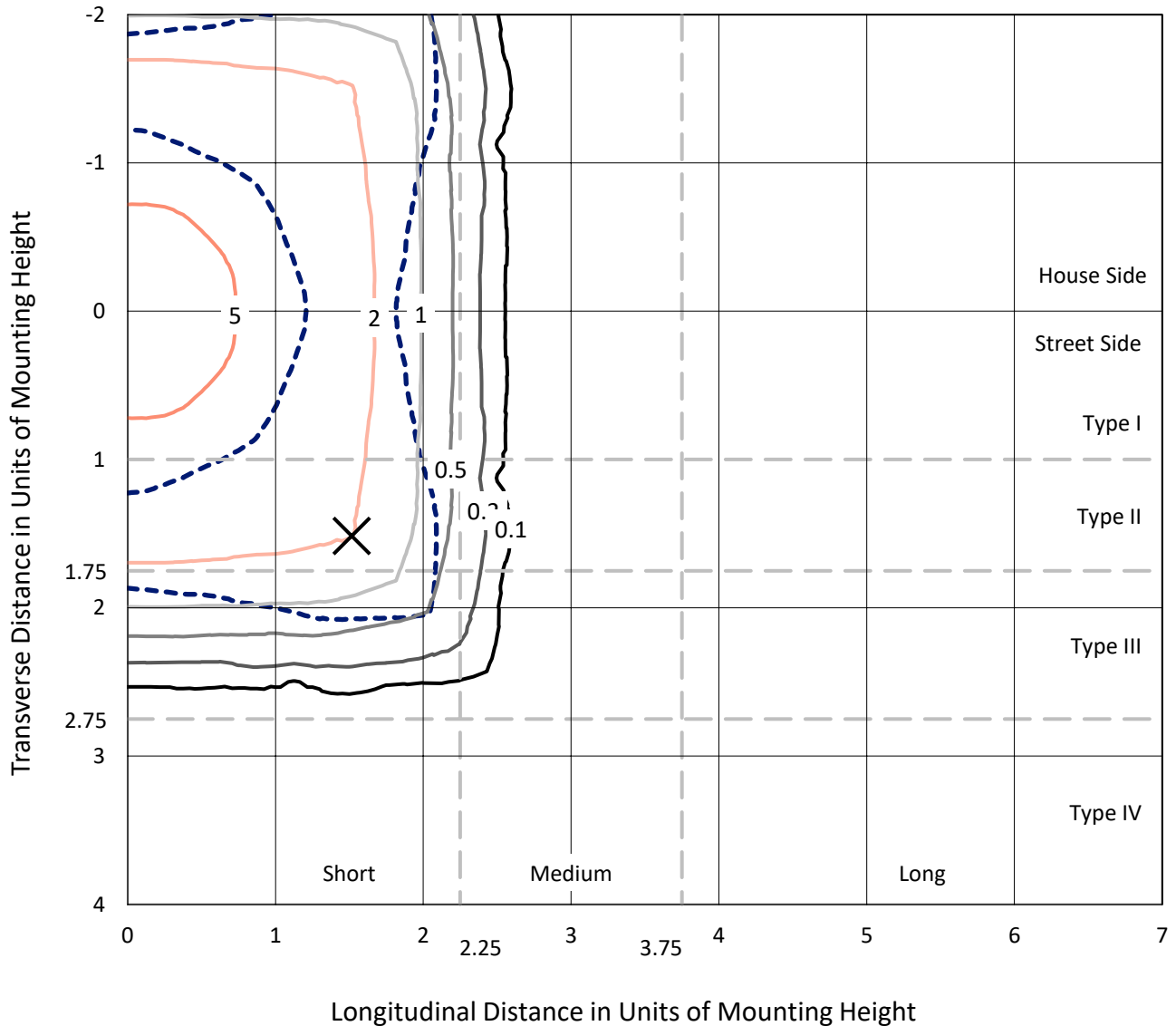




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Iso-Footcandle Lines of Horizontal Illumination

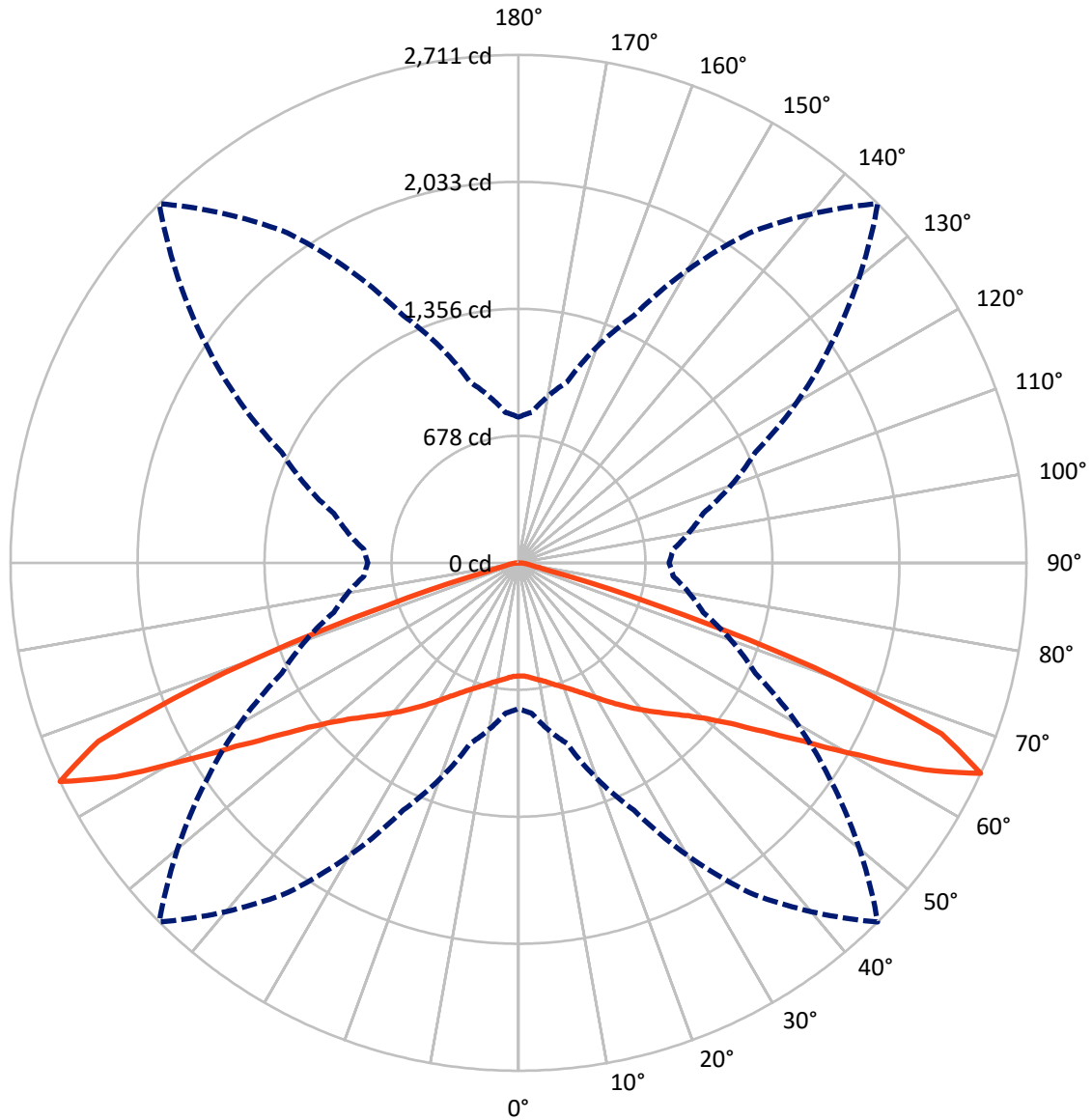
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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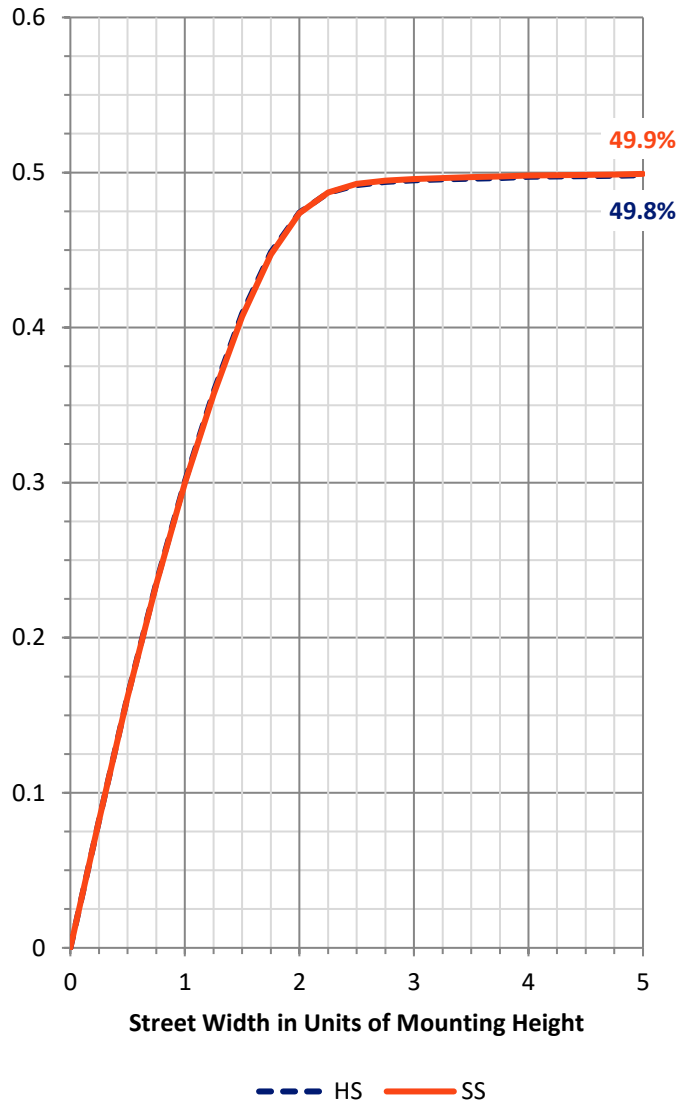
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2501.5	0.0	2501.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2501.5	0.0	2501.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5003.0	0.0	5003.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	1.2
10°-20°	190.5	3.8
20°-30°	357.5	7.1
30°-40°	591.2	11.8
40°-50°	915.7	18.3
50°-60°	1404.4	28.1
60°-70°	1310.5	26.2
70°-80°	152.5	3.0
80°-90°	21.4	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°	5003.0	100.0
0°-180°	5003.0	100.0

Coefficient of Utilization



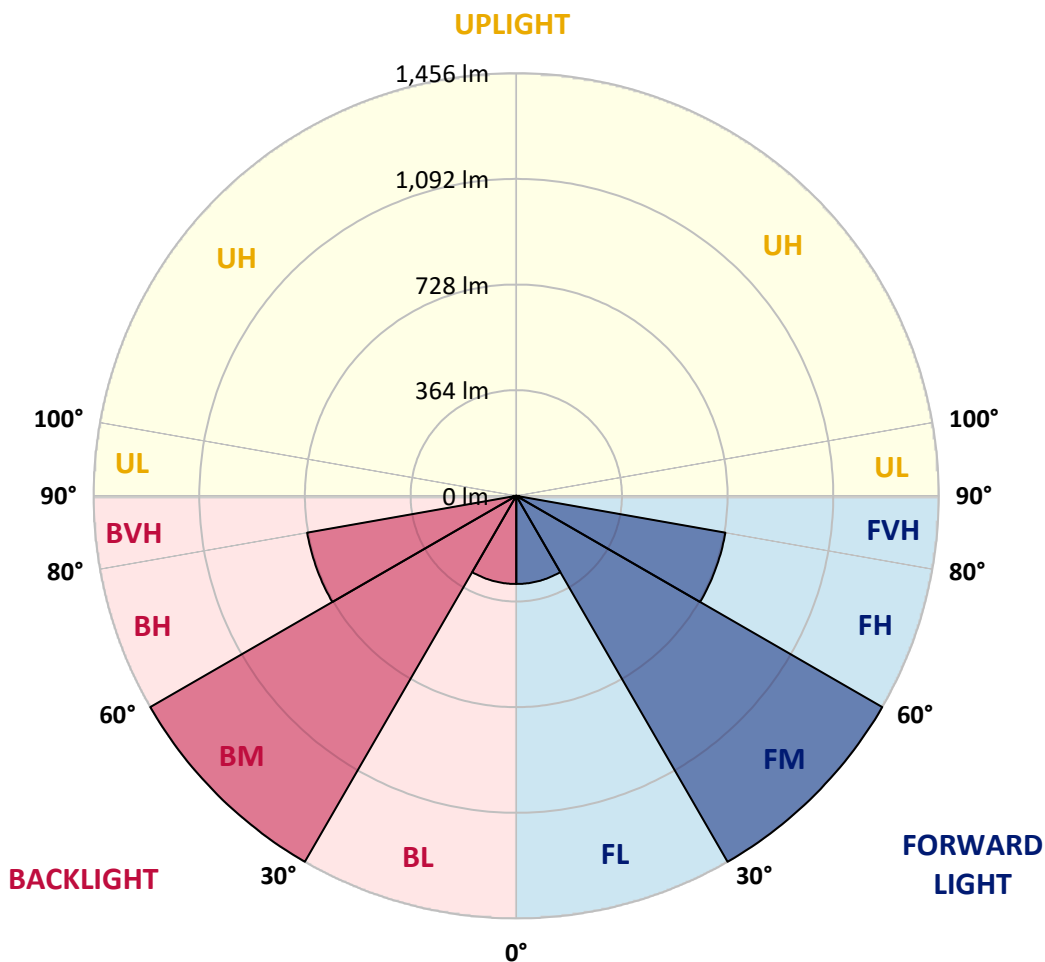
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.6	6.1			
FM (30°-60°)	1455.6	29.1			
FH (60°-80°)	731.5	14.6			G1/1800
FVH (80°-90°)	10.7	0.2			G1/100
BL (0°-30°)	303.6	6.1	B1/500		
BM (30°-60°)	1455.6	29.1	B2/2500		
BH (60°-80°)	731.5	14.6	B2/1000		G1/1800
BVH (80°-90°)	10.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2
2.5°	606.2	605.8	606.2	606.3	605.3	605.8	605.7	606.5	606.8	606.5	606.5
5°	613.1	612.6	613.3	614.1	612.8	613.1	612.6	613.6	614.0	613.3	613.8
7.5°	622.8	622.9	623.6	625.1	624.3	624.9	623.9	624.1	623.9	622.9	623.1
10°	633.2	633.4	634.6	636.6	636.9	636.9	636.2	635.7	635.1	634.4	634.6
12.5°	645.9	646.7	647.5	650.0	650.0	651.3	651.0	649.7	648.5	647.5	647.5
15°	663.0	662.8	663.8	666.3	667.4	669.6	669.6	667.8	666.3	665.3	665.0
17.5°	680.9	681.4	682.1	685.1	686.9	689.4	689.7	688.2	687.2	685.9	685.1
20°	701.8	702.7	705.3	706.5	708.1	710.5	711.3	711.0	710.0	709.3	709.5
22.5°	726.2	728.4	730.1	731.7	733.7	735.4	736.2	737.4	736.4	735.9	735.5
25°	755.8	757.3	760.6	763.6	764.9	765.4	766.4	768.1	767.9	766.8	766.8
27.5°	789.3	792.2	796.3	800.6	800.6	799.0	802.3	805.1	804.1	802.6	800.6
30°	830.0	832.7	837.5	843.5	840.5	839.3	843.8	849.0	847.5	845.0	844.7
32.5°	873.9	876.4	882.7	889.2	885.3	883.7	888.5	896.0	893.3	888.3	885.3
35°	921.4	923.9	932.8	940.6	934.2	931.3	935.3	943.5	938.8	929.5	927.2
37.5°	973.0	974.4	986.0	994.0	989.5	982.0	987.0	993.0	989.0	977.7	973.2
40°	1026.7	1031.5	1044.9	1054.2	1046.4	1034.6	1042.9	1051.2	1045.3	1030.8	1023.2
42.5°	1089.3	1092.9	1110.9	1119.2	1106.5	1089.9	1101.2	1112.5	1106.5	1092.6	1086.0
45°	1154.4	1160.0	1181.4	1189.8	1171.5	1150.4	1164.2	1183.9	1183.4	1163.3	1156.4
47.5°	1225.3	1230.9	1256.5	1267.5	1247.7	1219.5	1238.9	1266.8	1264.8	1242.7	1237.1
50°	1307.2	1313.1	1345.0	1358.8	1340.4	1307.5	1336.7	1361.3	1357.7	1330.4	1330.9
52.5°	1410.0	1409.6	1449.3	1473.2	1454.3	1425.2	1452.1	1476.1	1460.9	1423.3	1422.1
55°	1500.0	1505.5	1554.6	1600.0	1598.8	1587.7	1598.5	1599.5	1556.3	1506.1	1500.0
57.5°	1559.1	1569.6	1638.8	1720.9	1782.3	1797.1	1776.2	1712.7	1611.6	1531.4	1521.6
60°	1522.7	1538.7	1647.4	1814.7	1995.7	2082.6	1964.5	1767.7	1568.6	1456.8	1443.5
62.5°	1277.3	1304.2	1463.4	1769.3	2179.4	2433.3	2101.0	1679.5	1397.5	1243.6	1220.8
65°	777.9	806.3	998.3	1456.3	2149.7	2711.0	2038.7	1394.0	1020.0	828.5	804.0
67.5°	259.2	267.5	380.6	805.0	1689.5	2435.8	1692.3	834.5	443.9	294.3	285.6
70°	101.5	102.3	120.7	233.3	797.8	1673.0	880.4	237.5	126.2	99.8	102.0
72.5°	74.6	74.9	80.0	97.5	207.9	737.0	215.4	98.0	77.9	69.9	69.9
75°	60.0	60.0	63.6	71.1	93.2	169.1	94.5	70.2	60.9	55.8	55.1
77.5°	47.3	48.3	51.2	56.0	63.1	81.4	65.4	55.6	49.2	44.3	43.3
80°	35.2	36.2	40.9	43.2	45.3	56.5	48.3	43.5	38.9	33.2	32.2
82.5°	23.1	24.1	29.9	31.2	30.7	36.9	32.6	32.1	28.6	21.4	20.4
85°	15.1	15.4	19.9	20.8	19.1	16.8	20.8	21.9	19.9	14.0	13.5
87.5°	7.1	7.1	10.1	9.5	8.6	7.0	9.5	11.1	11.3	6.8	6.6
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)