

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: P385792

Luminaire Tested: GAW-SA1B-827-U-5WQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385792
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-SA1B-827-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4725 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

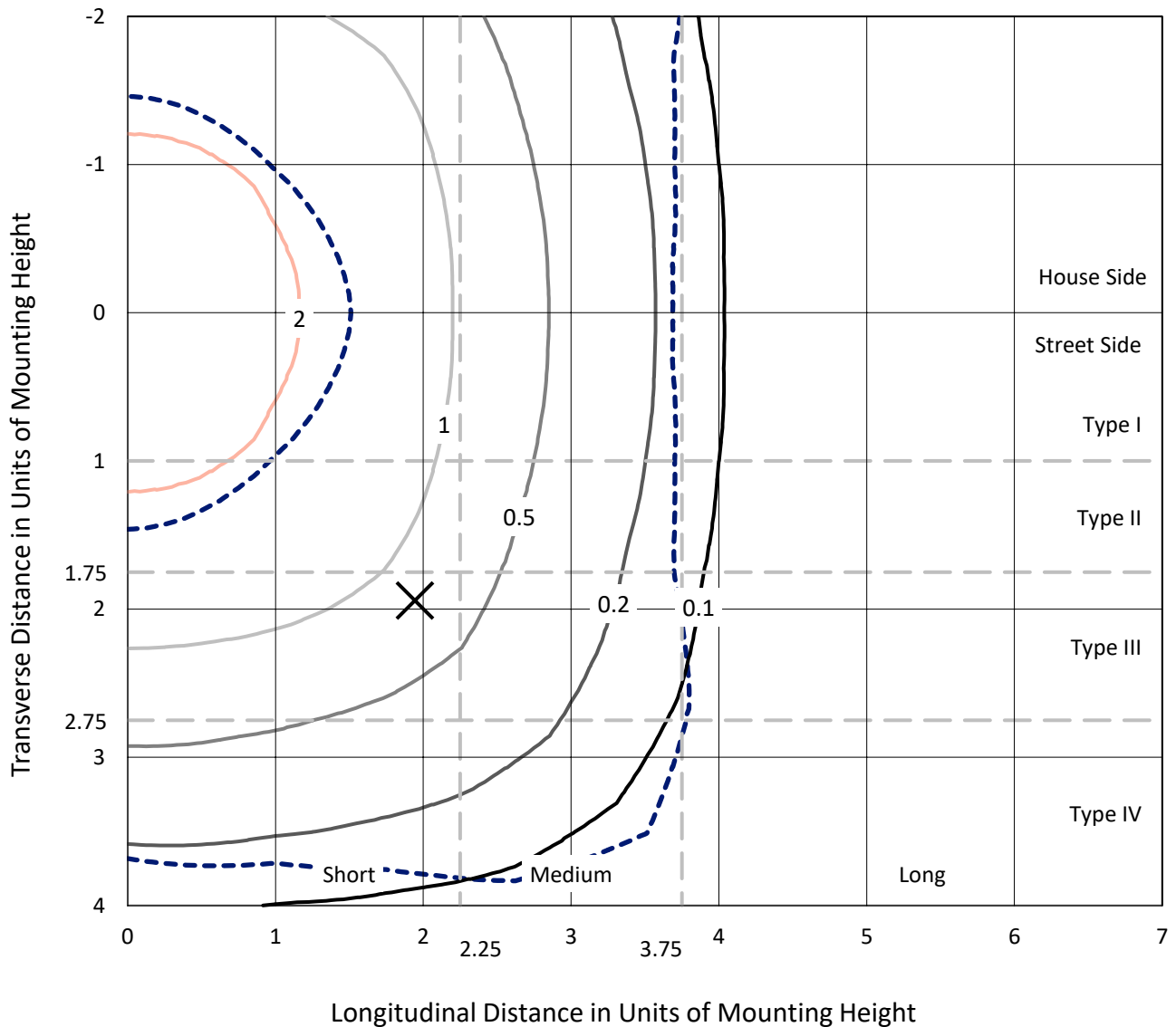
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

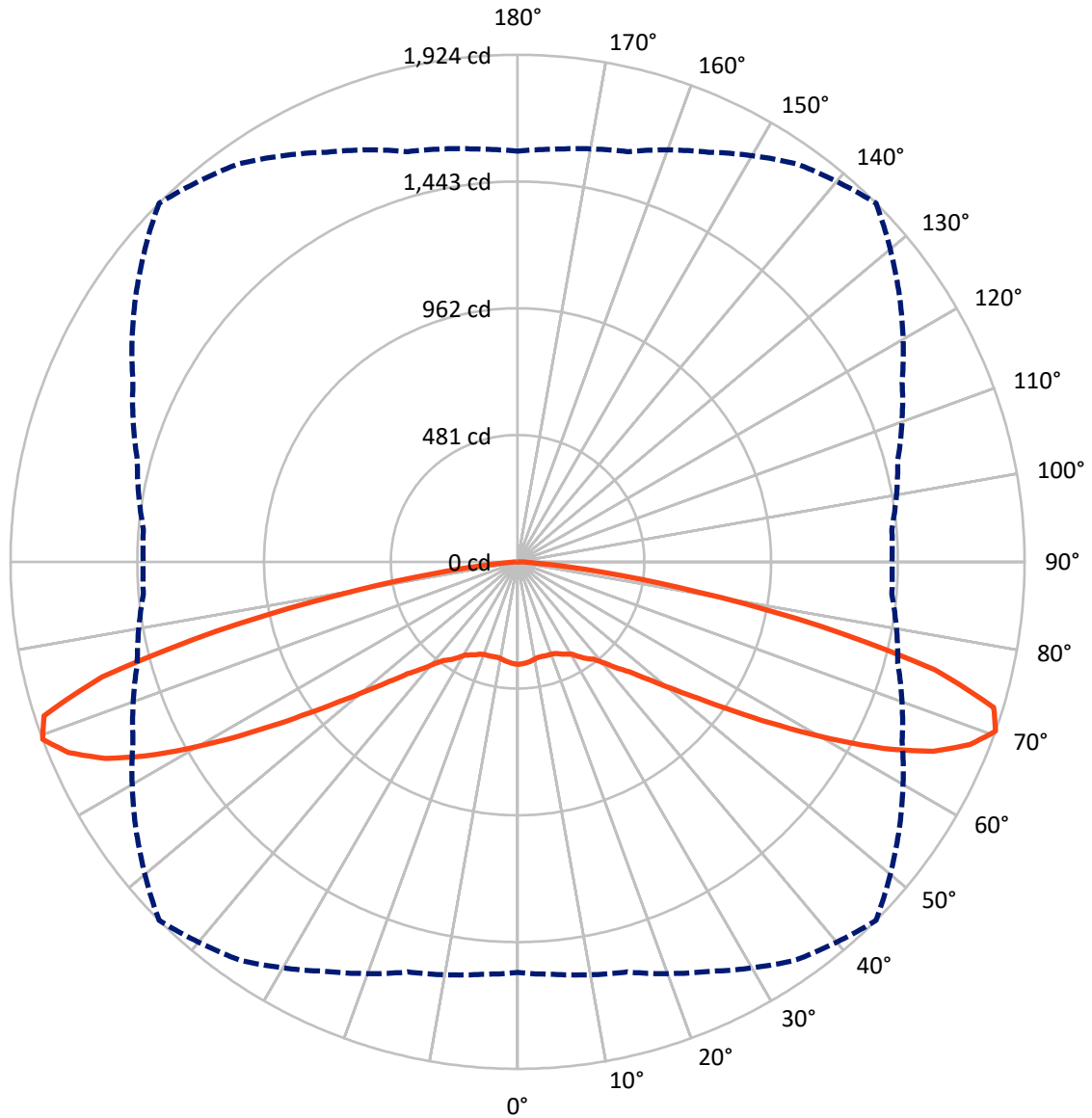
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 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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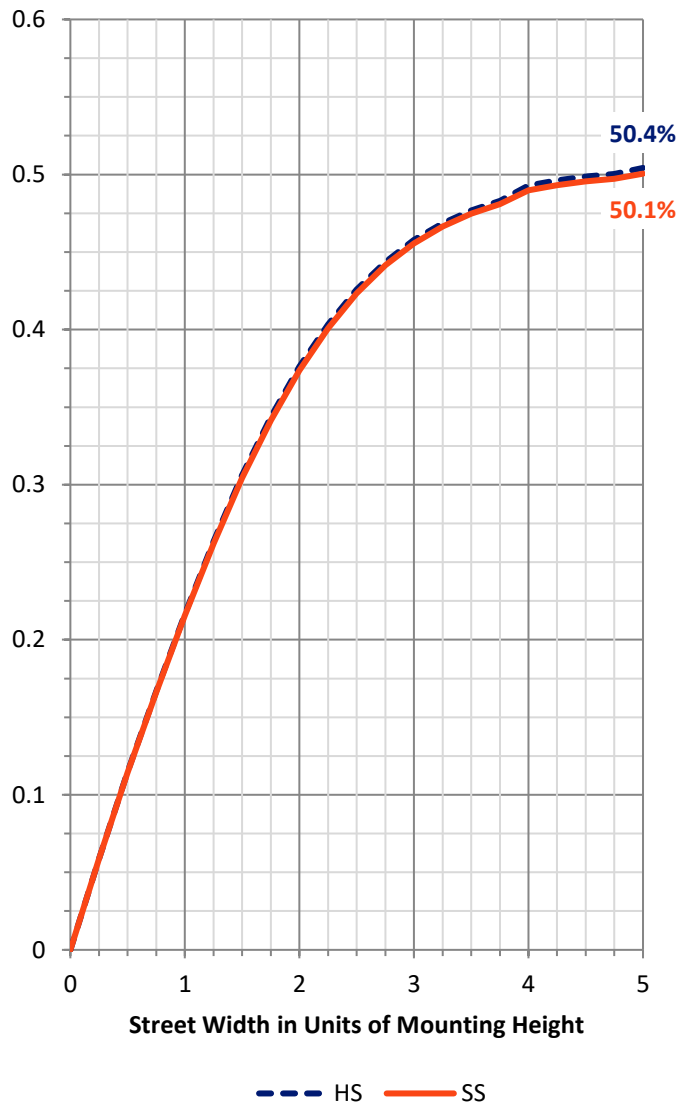
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2362.5	0.0	2362.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2362.5	0.0	2362.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4725.0	0.0	4725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	0.8
10°-20°	106.0	2.2
20°-30°	180.8	3.8
30°-40°	282.4	6.0
40°-50°	478.7	10.1
50°-60°	872.9	18.5
60°-70°	1502.7	31.8
70°-80°	1177.9	24.9
80°-90°	87.3	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°	4725.0	100.0
0°-180°	4725.0	100.0

Coefficient of Utilization



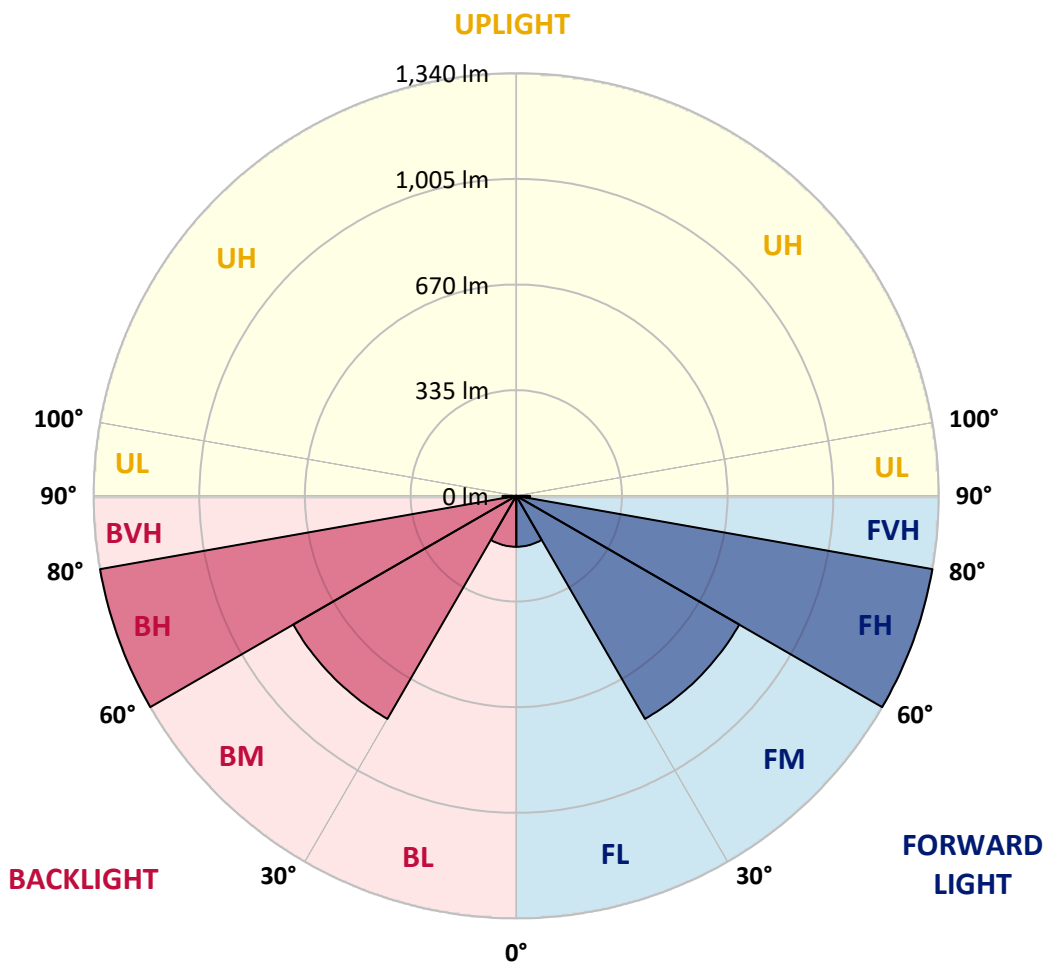
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.5	3.4			
FM (30°-60°)	817.0	17.3			
FH (60°-80°)	1340.3	28.4			G1/1800
FVH (80°-90°)	43.7	0.9			G1/100
BL (0°-30°)	161.5	3.4	B1/500		
BM (30°-60°)	817.0	17.3	B1/1000		
BH (60°-80°)	1340.3	28.4	B3/2500		G1/1800
BVH (80°-90°)	43.7	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	388.9	388.9	388.9	388.9	388.9	388.9	388.9	388.9	388.9	388.9	388.9
2.5°	387.1	387.6	387.1	387.5	386.7	387.0	387.0	387.0	386.8	387.0	386.7
5°	383.7	384.0	383.4	383.7	383.2	383.7	383.9	383.7	383.4	383.6	382.9
7.5°	378.6	378.9	378.4	378.9	378.2	379.0	378.9	378.4	377.9	377.9	377.3
10°	375.7	375.9	374.6	374.2	372.8	373.1	373.6	374.0	374.5	375.4	375.3
12.5°	375.9	375.9	374.0	372.0	370.0	370.4	371.2	372.9	374.8	376.5	376.7
15°	377.5	377.3	374.5	371.2	369.8	371.2	371.7	372.8	375.7	378.7	378.9
17.5°	378.6	378.6	374.2	370.4	370.3	372.5	372.3	372.8	376.1	380.4	380.6
20°	380.6	380.6	375.0	370.9	370.9	373.2	373.4	374.2	377.5	382.3	383.1
22.5°	385.1	385.3	379.3	376.1	376.4	377.8	378.2	379.5	382.5	387.8	388.7
25°	391.5	391.8	385.7	383.9	385.0	387.6	387.3	388.2	391.5	396.7	397.6
27.5°	400.4	399.7	394.0	393.2	394.3	396.2	396.1	396.2	398.9	403.6	404.7
30°	412.0	411.7	407.6	408.1	407.6	407.0	407.2	408.4	409.8	413.6	414.7
32.5°	423.3	423.6	421.1	423.4	426.8	429.2	425.6	422.2	420.6	422.6	423.6
35°	443.6	444.4	440.4	438.9	443.6	450.4	440.3	434.7	437.8	440.4	441.2
37.5°	478.1	478.6	472.0	465.8	462.3	468.9	458.7	459.2	470.1	475.1	475.0
40°	517.5	517.7	513.3	507.8	501.9	503.4	499.4	500.6	507.8	512.3	513.6
42.5°	564.4	563.9	557.0	549.2	547.5	549.1	542.2	541.3	549.5	557.7	557.8
45°	625.2	624.1	615.2	606.6	598.3	594.9	593.1	597.7	609.1	616.6	616.7
47.5°	690.7	687.7	683.0	676.1	669.0	665.5	662.7	664.9	673.2	676.1	676.5
50°	758.0	758.7	759.6	756.9	754.3	753.2	745.9	741.6	744.1	738.7	737.9
52.5°	837.9	839.2	848.2	855.9	860.4	862.8	848.9	834.3	826.2	815.6	812.4
55°	932.2	934.2	947.5	968.7	990.6	1002.2	977.0	949.8	924.7	904.8	898.4
57.5°	1037.2	1040.8	1059.1	1099.9	1144.7	1172.1	1129.6	1080.2	1031.6	1003.0	998.0
60°	1160.4	1163.8	1189.1	1247.6	1320.2	1361.4	1297.0	1216.2	1155.7	1128.3	1119.1
62.5°	1307.0	1307.3	1338.4	1406.7	1502.6	1559.8	1472.6	1364.6	1302.3	1269.3	1260.4
65°	1464.7	1465.4	1497.6	1571.4	1670.7	1732.9	1634.4	1521.9	1445.6	1397.0	1390.1
67.5°	1576.1	1579.4	1613.3	1702.1	1794.9	1851.0	1749.1	1621.9	1533.7	1475.8	1470.0
70°	1558.3	1571.1	1611.0	1714.6	1843.7	1923.7	1767.7	1610.0	1493.7	1425.3	1420.4
72.5°	1359.0	1383.5	1436.7	1572.7	1779.1	1889.3	1666.3	1442.0	1310.4	1252.1	1243.3
75°	925.4	965.3	1045.5	1241.6	1520.0	1635.8	1402.8	1149.7	1025.9	945.3	939.3
77.5°	412.6	421.7	523.3	749.1	1048.9	1174.7	1019.2	752.1	564.5	450.3	426.2
80°	115.0	116.4	155.4	279.0	525.0	690.2	563.6	293.1	164.7	116.1	109.4
82.5°	36.6	39.7	48.5	72.4	176.5	314.9	181.1	78.1	55.6	44.4	40.0
85°	17.8	17.7	24.5	29.4	45.0	69.7	48.0	36.3	31.7	21.1	19.1
87.5°	7.5	7.7	11.4	10.3	13.1	11.3	15.5	16.3	17.0	9.4	8.1
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)