

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: P385456

Luminaire Tested: GAW-SA1A-730-U-5WQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385456
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-SA1A-730-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4775 lumens
Efficiency: N/A
Efficacy: 140.4 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

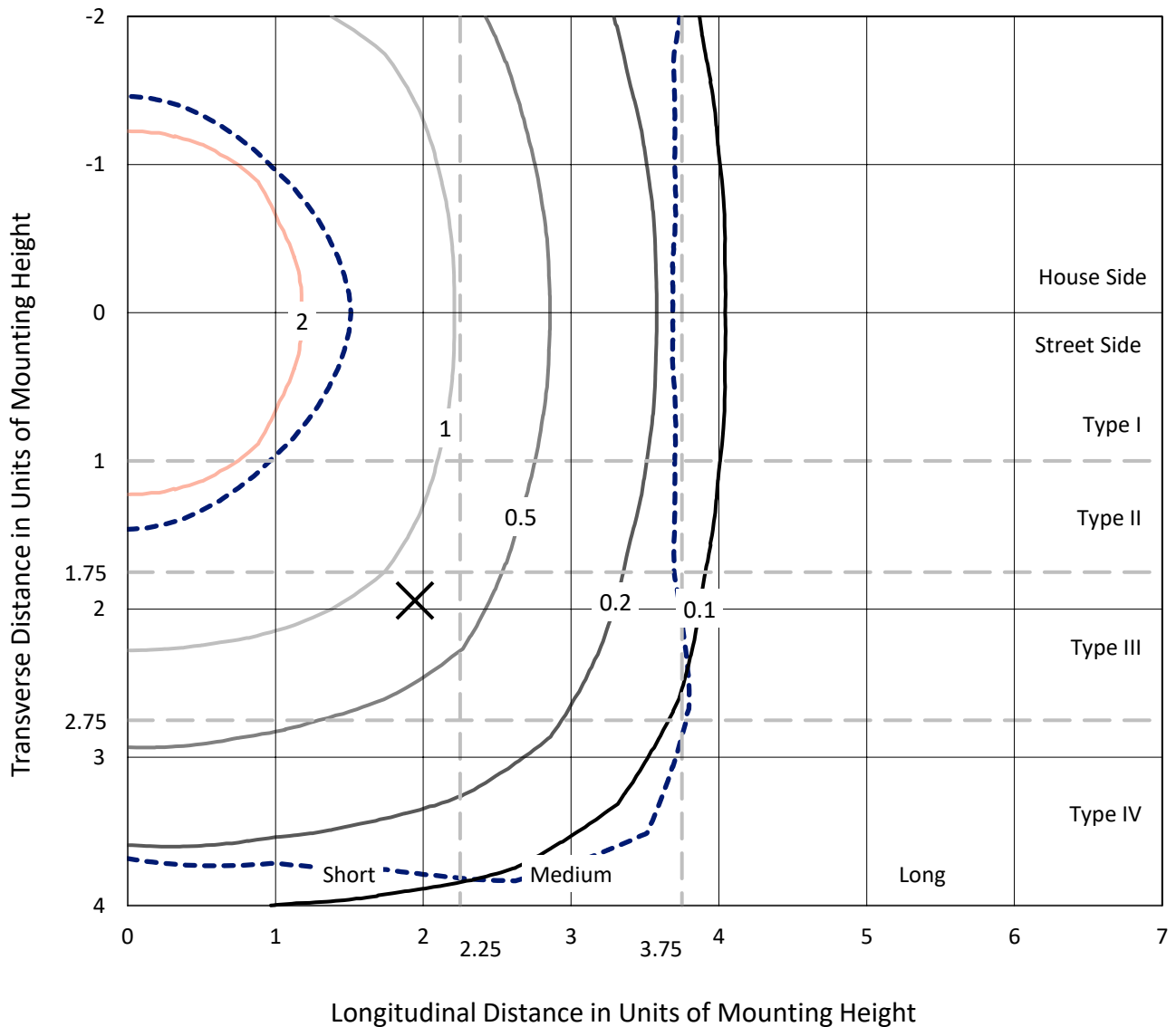
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

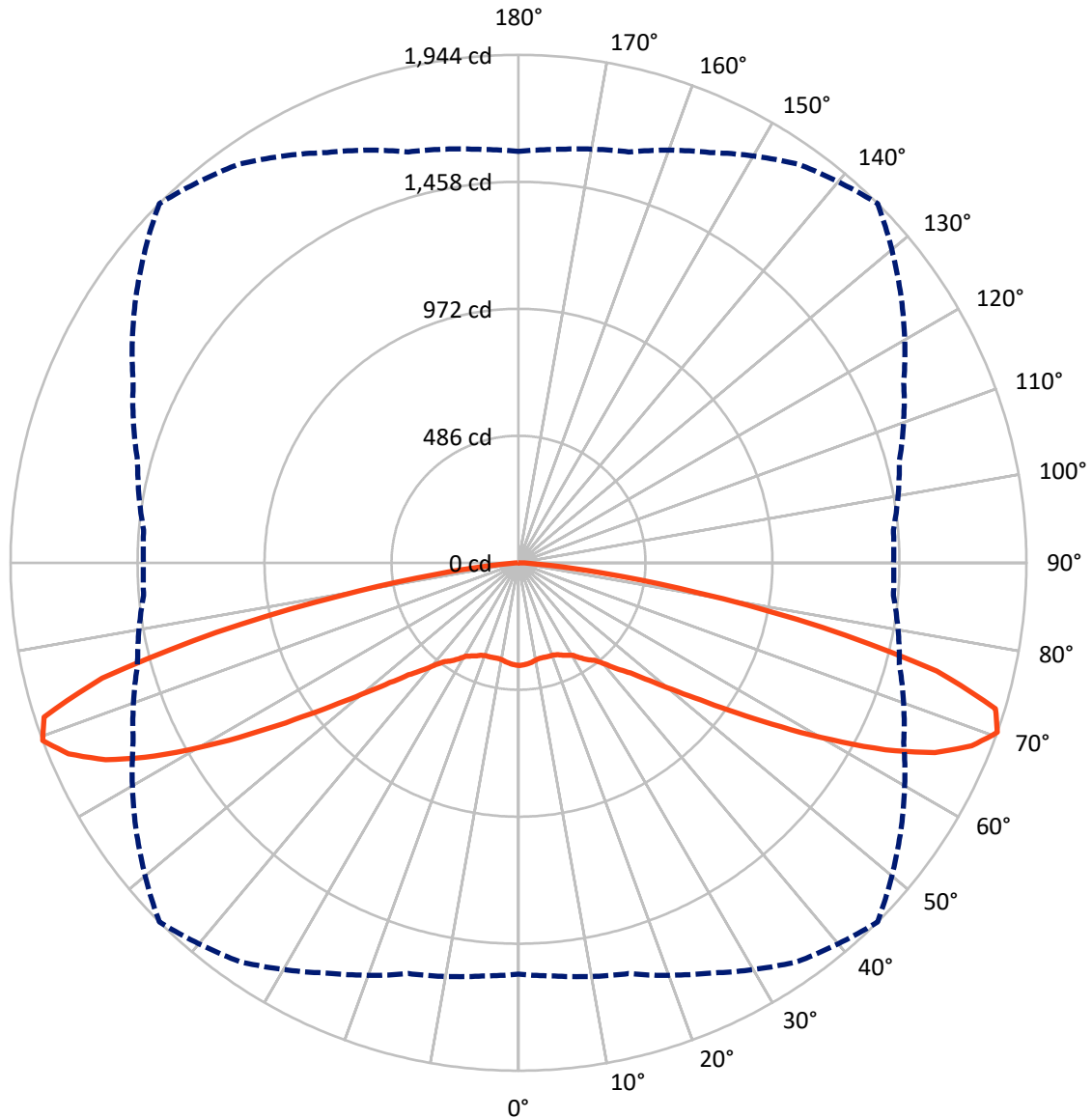
✕ Max cd
 - - - 1/2 Max cd



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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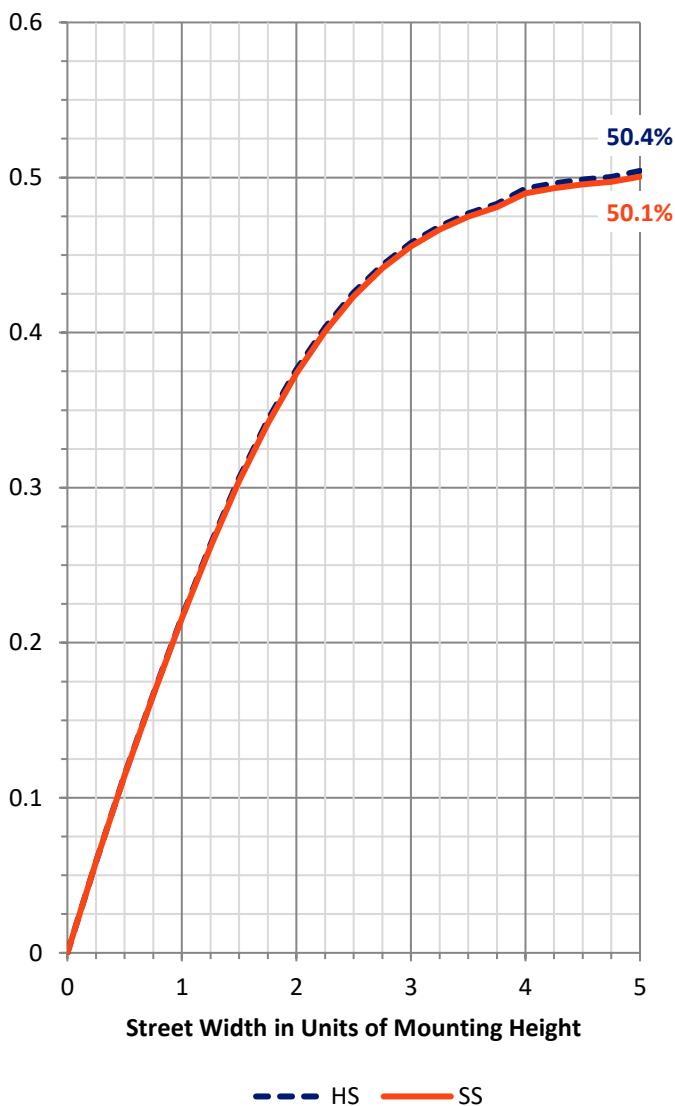
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2387.5	0.0	2387.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2387.5	0.0	2387.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4775.0	0.0	4775.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.7	0.8
10°-20°	107.1	2.2
20°-30°	182.7	3.8
30°-40°	285.4	6.0
40°-50°	483.7	10.1
50°-60°	882.1	18.5
60°-70°	1518.6	31.8
70°-80°	1190.4	24.9
80°-90°	88.3	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°	4775.0	100.0
0°-180°	4775.0	100.0

Coefficient of Utilization



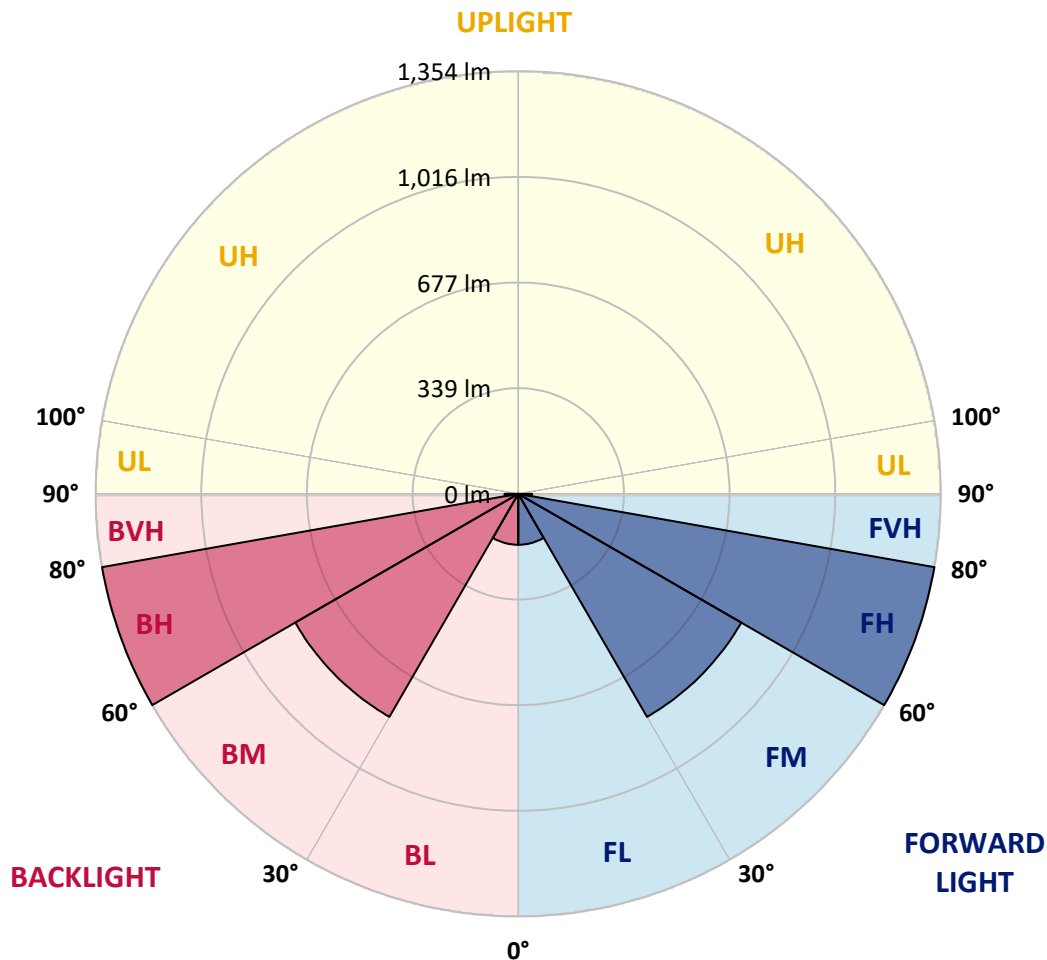
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.2	3.4			
FM (30°-60°)	825.6	17.3			
FH (60°-80°)	1354.5	28.4			G1/1800
FVH (80°-90°)	44.1	0.9			G1/100
BL (0°-30°)	163.2	3.4	B1/500		
BM (30°-60°)	825.6	17.3	B1/1000		
BH (60°-80°)	1354.5	28.4	B3/2500		G1/1800
BVH (80°-90°)	44.1	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°	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0
2.5°	391.2	391.7	391.2	391.6	390.8	391.1	391.1	391.1	390.9	391.1	390.8
5°	387.8	388.1	387.5	387.8	387.3	387.8	387.9	387.8	387.5	387.6	387.0
7.5°	382.6	382.9	382.4	382.9	382.2	383.0	382.9	382.4	381.9	381.9	381.3
10°	379.7	379.9	378.6	378.1	376.7	377.0	377.5	378.0	378.5	379.4	379.2
12.5°	379.9	379.9	378.0	375.9	373.9	374.3	375.1	376.9	378.8	380.5	380.7
15°	381.5	381.3	378.5	375.1	373.7	375.1	375.6	376.7	379.7	382.7	382.9
17.5°	382.6	382.6	378.1	374.3	374.2	376.4	376.2	376.7	380.0	384.5	384.6
20°	384.6	384.6	378.9	374.8	374.8	377.2	377.3	378.1	381.5	386.3	387.1
22.5°	389.2	389.4	383.3	380.0	380.3	381.8	382.2	383.5	386.5	391.9	392.8
25°	395.7	396.0	389.8	387.9	389.0	391.7	391.4	392.4	395.7	400.9	401.8
27.5°	404.7	403.9	398.2	397.4	398.5	400.4	400.2	400.4	403.1	407.8	408.9
30°	416.4	416.0	411.9	412.4	411.9	411.3	411.5	412.7	414.1	417.9	419.0
32.5°	427.7	428.0	425.5	427.9	431.4	433.7	430.1	426.6	425.0	427.1	428.0
35°	448.3	449.1	445.1	443.5	448.3	455.2	444.9	439.3	442.4	445.1	445.9
37.5°	483.2	483.6	477.0	470.7	467.2	473.9	463.6	464.1	475.1	480.2	480.0
40°	523.0	523.1	518.7	513.2	507.2	508.8	504.7	505.9	513.2	517.8	519.0
42.5°	570.4	569.9	562.9	555.0	553.3	554.9	547.9	547.0	555.4	563.6	563.7
45°	631.8	630.7	621.7	613.0	604.6	601.2	599.4	604.0	615.5	623.1	623.3
47.5°	698.0	695.0	690.2	683.3	676.0	672.6	669.7	671.9	680.3	683.3	683.6
50°	766.1	766.7	767.6	765.0	762.3	761.2	753.7	749.5	752.0	746.5	745.7
52.5°	846.8	848.0	857.2	864.9	869.5	871.9	857.8	843.1	834.9	824.2	821.0
55°	942.0	944.1	957.5	979.0	1001.1	1012.8	987.4	959.9	934.4	914.4	907.9
57.5°	1048.2	1051.8	1070.3	1111.5	1156.8	1184.5	1141.5	1091.6	1042.5	1013.6	1008.5
60°	1172.6	1176.1	1201.7	1260.8	1334.2	1375.8	1310.7	1229.0	1167.9	1140.3	1130.9
62.5°	1320.8	1321.1	1352.5	1421.6	1518.5	1576.4	1488.2	1379.1	1316.1	1282.7	1273.7
65°	1480.2	1481.0	1513.5	1588.0	1688.3	1751.2	1651.7	1538.0	1460.9	1411.8	1404.8
67.5°	1592.8	1596.1	1630.4	1720.1	1813.9	1870.6	1767.6	1639.1	1550.0	1491.4	1485.5
70°	1574.8	1587.7	1628.0	1732.7	1863.2	1944.1	1786.4	1627.1	1509.5	1440.4	1435.5
72.5°	1373.4	1398.2	1451.9	1589.3	1798.0	1909.3	1683.9	1457.3	1324.3	1265.3	1256.5
75°	935.2	975.5	1056.5	1254.8	1536.1	1653.1	1417.6	1161.9	1036.8	955.3	949.3
77.5°	417.0	426.2	528.8	757.1	1060.0	1187.2	1030.0	760.1	570.5	455.1	430.7
80°	116.3	117.7	157.0	281.9	530.6	697.5	569.6	296.2	166.5	117.4	110.6
82.5°	37.0	40.1	49.0	73.1	178.3	318.3	183.1	79.0	56.2	44.9	40.4
85°	18.0	17.8	24.8	29.7	45.5	70.4	48.5	36.6	32.1	21.3	19.3
87.5°	7.6	7.7	11.5	10.4	13.3	11.4	15.6	16.4	17.2	9.5	8.2
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)