

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: P360377

Luminaire Tested: NVN-SA1C-830-U-5WQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P360377
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: NVN-SA1C-830-U-5WQ
Description: NAVION ROADWAY AND AREA LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6002 lumens
Efficiency: N/A
Efficacy: 101.7 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

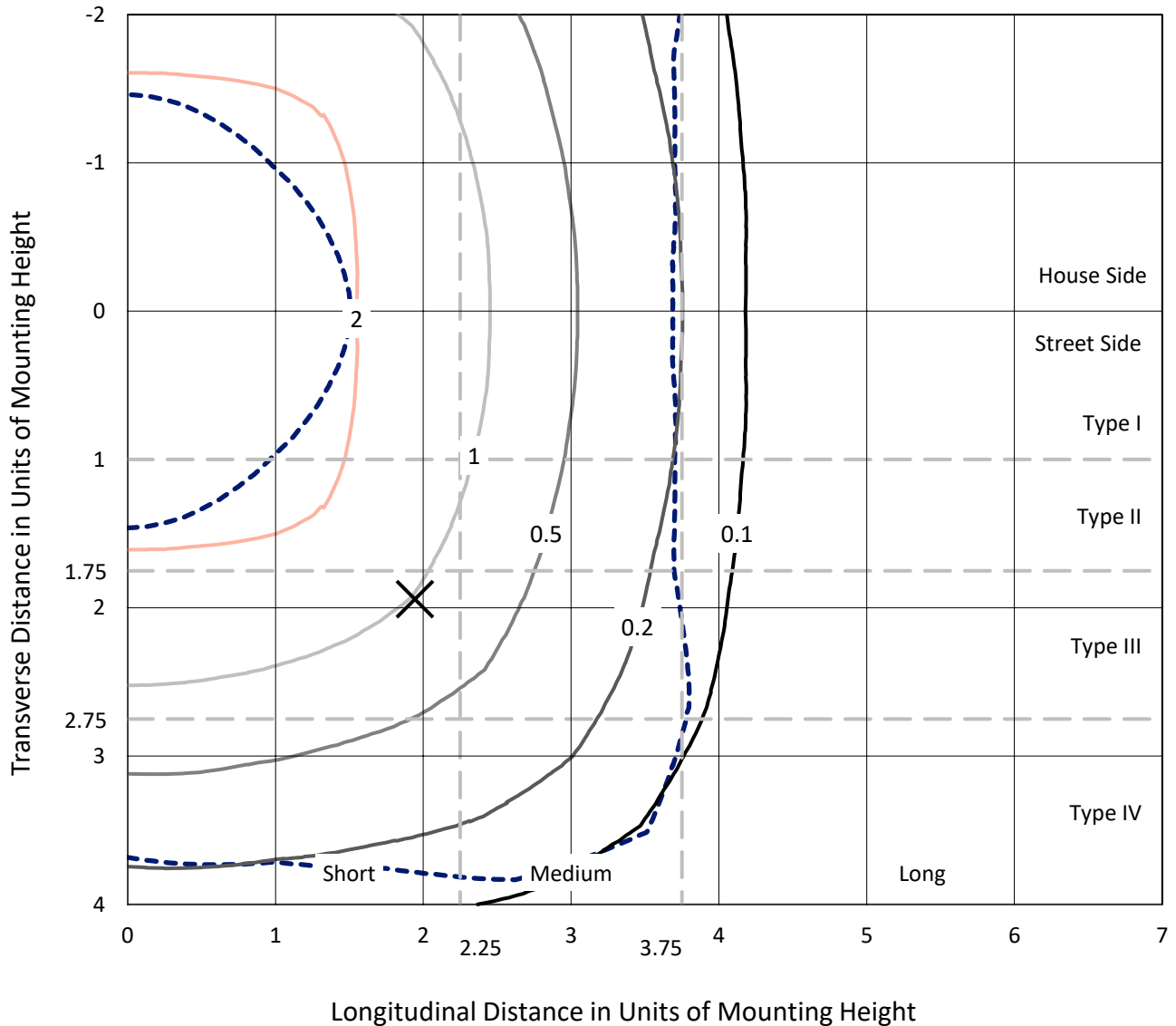
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

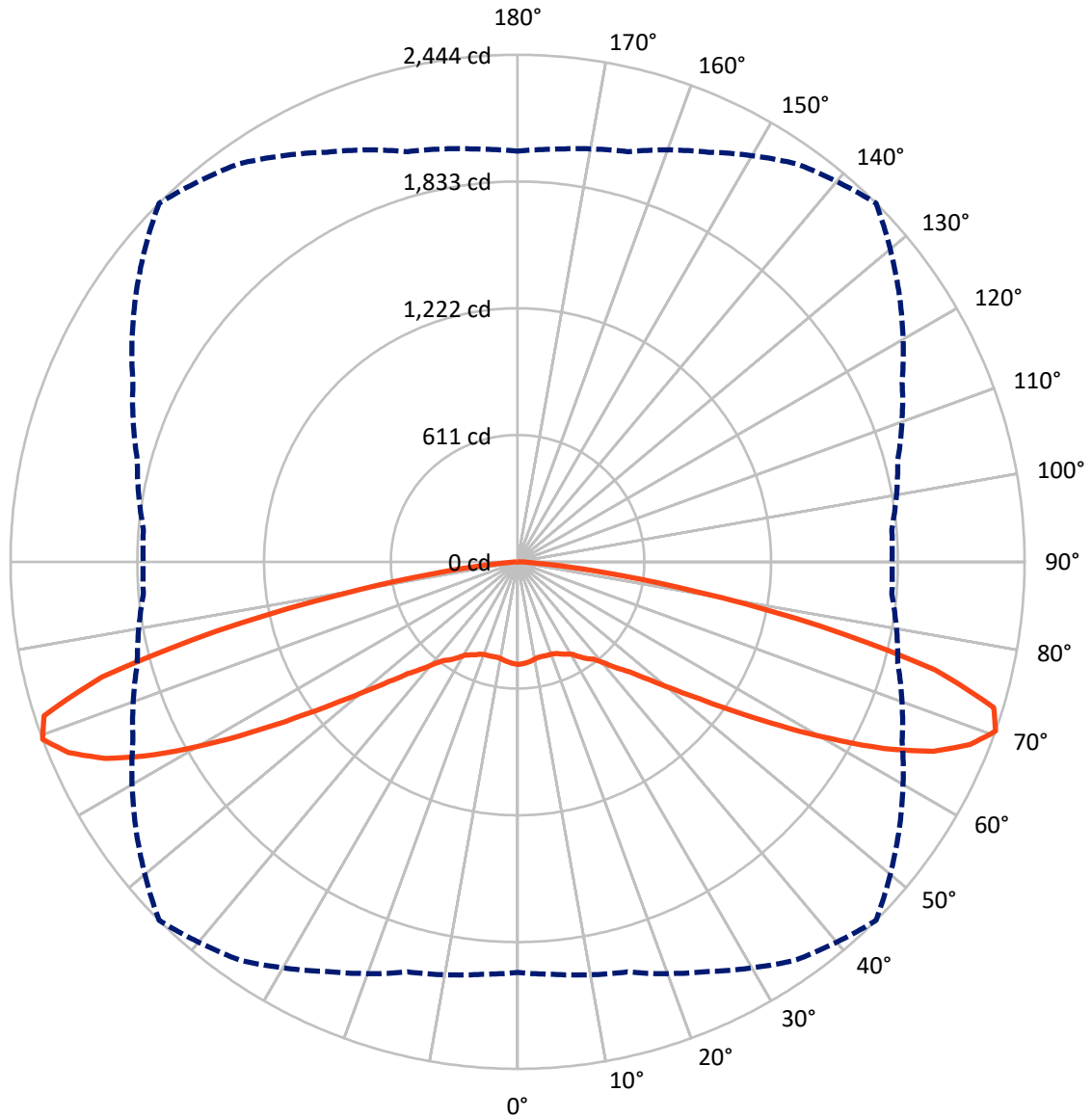
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 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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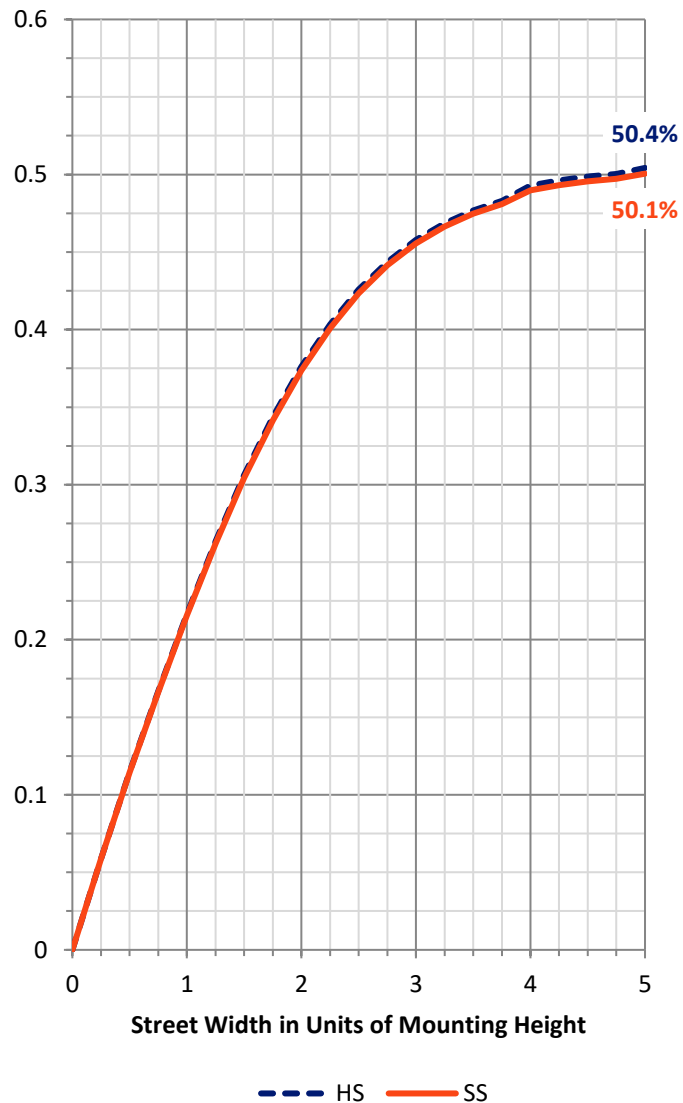
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3001.0	0.0	3001.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3001.0	0.0	3001.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6002.0	0.0	6002.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	0.8
10°-20°	134.7	2.2
20°-30°	229.6	3.8
30°-40°	358.8	6.0
40°-50°	608.0	10.1
50°-60°	1108.8	18.5
60°-70°	1908.9	31.8
70°-80°	1496.2	24.9
80°-90°	110.9	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°	6002.0	100.0
0°-180°	6002.0	100.0

Coefficient of Utilization



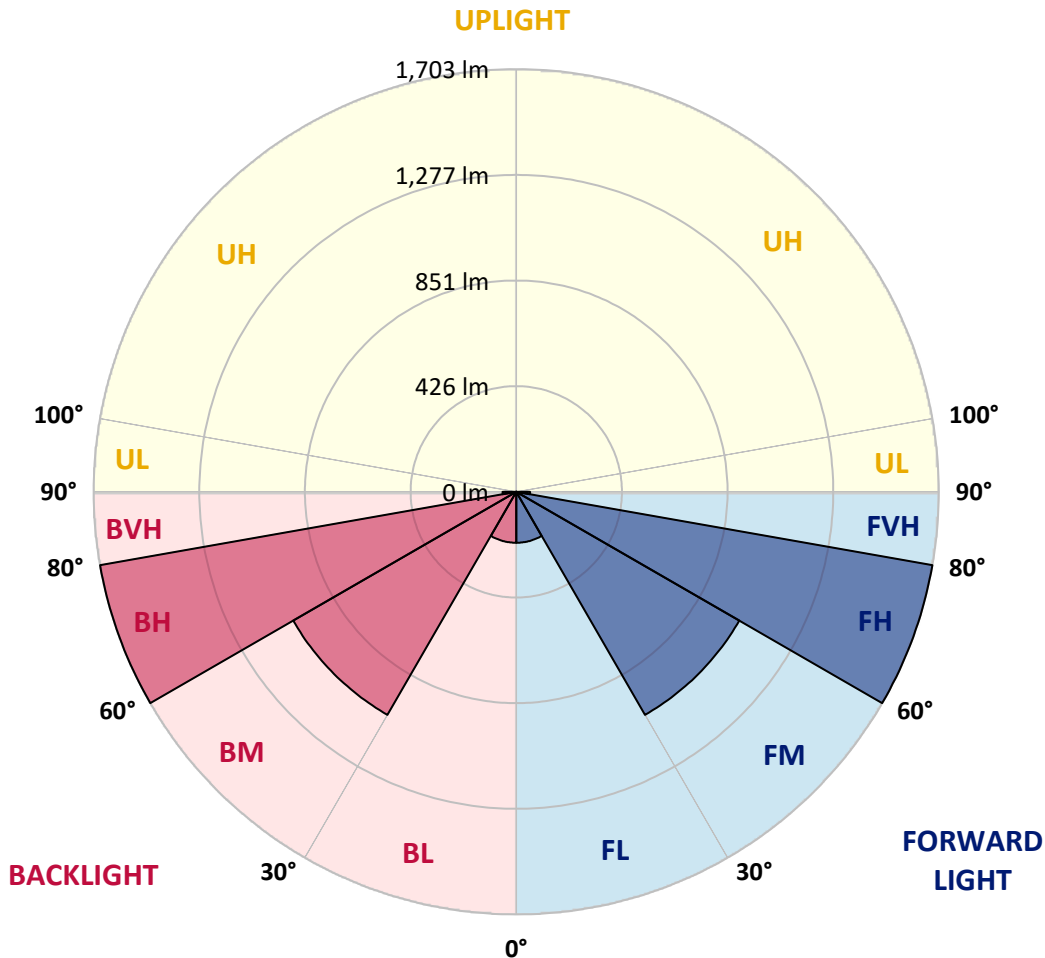
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.2	3.4			
FM (30°-60°)	1037.8	17.3			
FH (60°-80°)	1702.5	28.4			G1/1800
FVH (80°-90°)	55.5	0.9			G1/100
BL (0°-30°)	205.2	3.4	B1/500		
BM (30°-60°)	1037.8	17.3	B2/2500		
BH (60°-80°)	1702.5	28.4	B3/2500		G1/1800
BVH (80°-90°)	55.5	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°	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0
2.5°	491.8	492.4	491.8	492.2	491.2	491.6	491.6	491.6	491.4	491.6	491.2
5°	487.4	487.8	487.0	487.4	486.8	487.4	487.6	487.4	487.0	487.2	486.4
7.5°	480.9	481.3	480.7	481.3	480.5	481.5	481.3	480.7	480.1	480.1	479.3
10°	477.3	477.5	475.9	475.3	473.5	473.9	474.5	475.1	475.7	476.9	476.7
12.5°	477.5	477.5	475.1	472.5	469.9	470.5	471.5	473.7	476.1	478.3	478.5
15°	479.5	479.3	475.7	471.5	469.7	471.5	472.1	473.5	477.3	481.1	481.3
17.5°	480.9	480.9	475.3	470.5	470.3	473.1	472.9	473.5	477.7	483.2	483.4
20°	483.4	483.4	476.3	471.1	471.1	474.1	474.3	475.3	479.5	485.6	486.6
22.5°	489.2	489.4	481.9	477.7	478.1	479.9	480.5	482.1	485.8	492.6	493.8
25°	497.3	497.7	490.0	487.6	489.0	492.4	492.0	493.2	497.3	503.9	505.1
27.5°	508.7	507.7	500.5	499.5	500.9	503.3	503.1	503.3	506.7	512.6	514.0
30°	523.3	523.0	517.8	518.4	517.8	517.0	517.2	518.8	520.6	525.3	526.7
32.5°	537.6	538.0	534.9	537.8	542.2	545.2	540.6	536.3	534.3	536.8	538.0
35°	563.5	564.4	559.5	557.5	563.5	572.2	559.3	552.1	556.1	559.5	560.5
37.5°	607.3	607.9	599.6	591.6	587.3	595.6	582.7	583.3	597.2	603.6	603.4
40°	657.4	657.6	652.0	645.1	637.5	639.5	634.3	635.9	645.1	650.8	652.4
42.5°	716.9	716.3	707.6	697.7	695.5	697.5	688.7	687.5	698.1	708.4	708.6
45°	794.2	792.8	781.5	770.5	760.0	755.6	753.5	759.2	773.7	783.2	783.4
47.5°	877.3	873.6	867.6	858.9	849.7	845.4	841.8	844.6	855.1	858.9	859.3
50°	962.9	963.7	964.9	961.5	958.1	956.8	947.4	942.1	945.2	938.3	937.3
52.5°	1064.4	1066.0	1077.5	1087.2	1093.0	1095.9	1078.3	1059.8	1049.5	1036.0	1032.0
55°	1184.1	1186.7	1203.5	1230.5	1258.3	1273.0	1241.1	1206.5	1174.6	1149.3	1141.2
57.5°	1317.5	1322.1	1345.3	1397.1	1454.1	1488.8	1434.8	1372.1	1310.4	1274.0	1267.7
60°	1474.0	1478.3	1510.5	1584.7	1677.1	1729.3	1647.5	1544.8	1468.0	1433.3	1421.5
62.5°	1660.2	1660.6	1700.1	1786.9	1908.8	1981.4	1870.6	1733.4	1654.2	1612.3	1601.0
65°	1860.5	1861.5	1902.4	1996.1	2122.2	2201.2	2076.1	1933.2	1836.3	1774.5	1765.8
67.5°	2002.1	2006.2	2049.3	2162.1	2280.0	2351.3	2221.9	2060.2	1948.3	1874.6	1867.3
70°	1979.4	1995.7	2046.3	2178.0	2342.0	2443.6	2245.5	2045.2	1897.4	1810.5	1804.3
72.5°	1726.3	1757.5	1825.0	1997.7	2260.0	2399.9	2116.6	1831.7	1664.6	1590.5	1579.4
75°	1175.6	1226.2	1328.0	1577.2	1930.8	2077.9	1781.9	1460.5	1303.2	1200.8	1193.2
77.5°	524.1	535.7	664.7	951.6	1332.4	1492.2	1294.7	955.4	717.1	572.0	541.4
80°	146.1	147.9	197.3	354.4	666.9	876.7	715.9	372.3	209.3	147.5	139.0
82.5°	46.5	50.4	61.5	91.9	224.2	400.1	230.1	99.3	70.7	56.4	50.8
85°	22.6	22.4	31.2	37.3	57.2	88.5	61.0	46.1	40.3	26.8	24.2
87.5°	9.5	9.7	14.5	13.1	16.7	14.3	19.7	20.6	21.6	11.9	10.3
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)