

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: P360809

Luminaire Tested: NVN-SA1C-830-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P360809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: NVN-SA1C-830-U-RW
Description: NAVION ROADWAY AND AREA LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5895 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

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

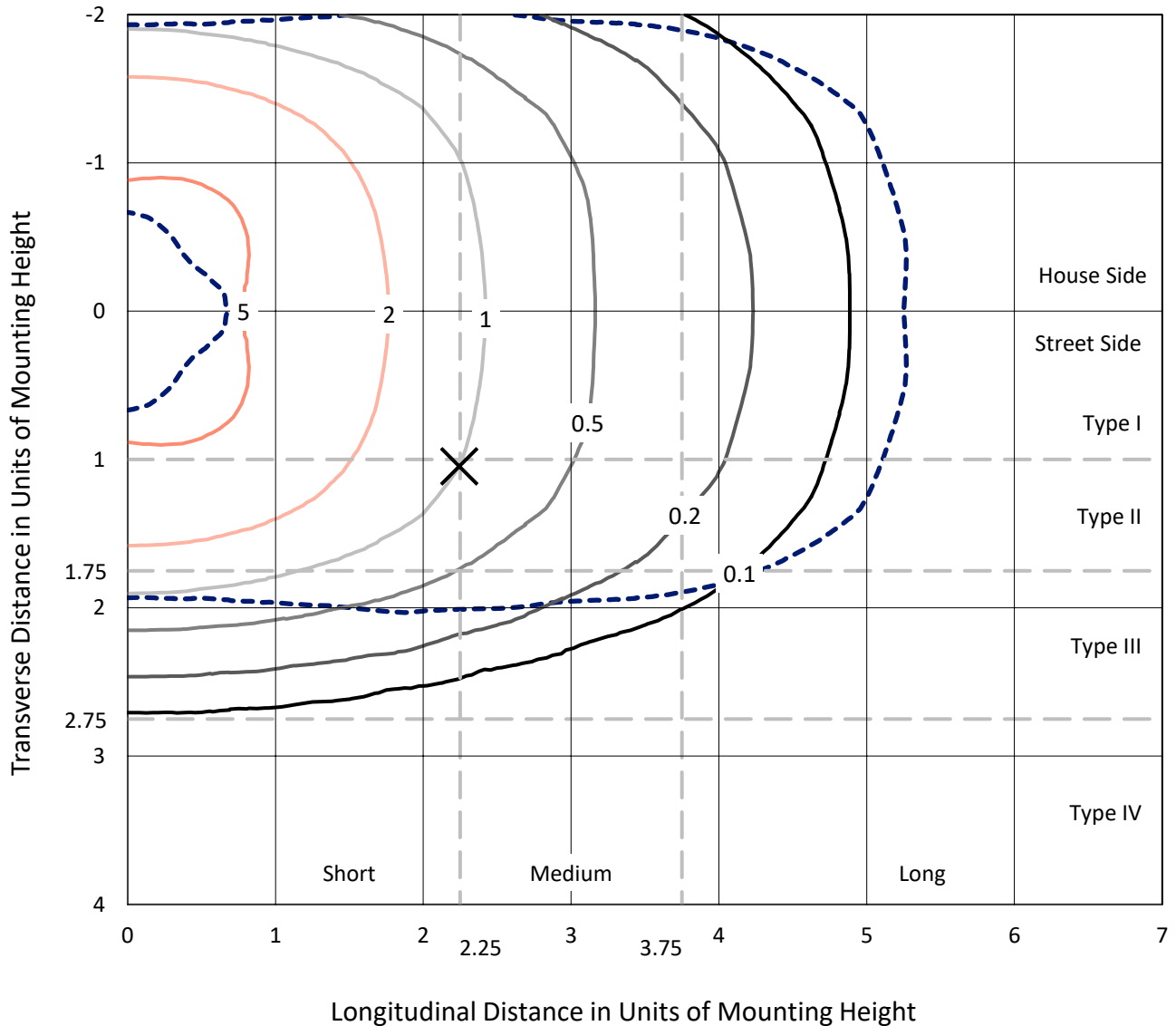




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Iso-Footcandle Lines of Horizontal Illumination

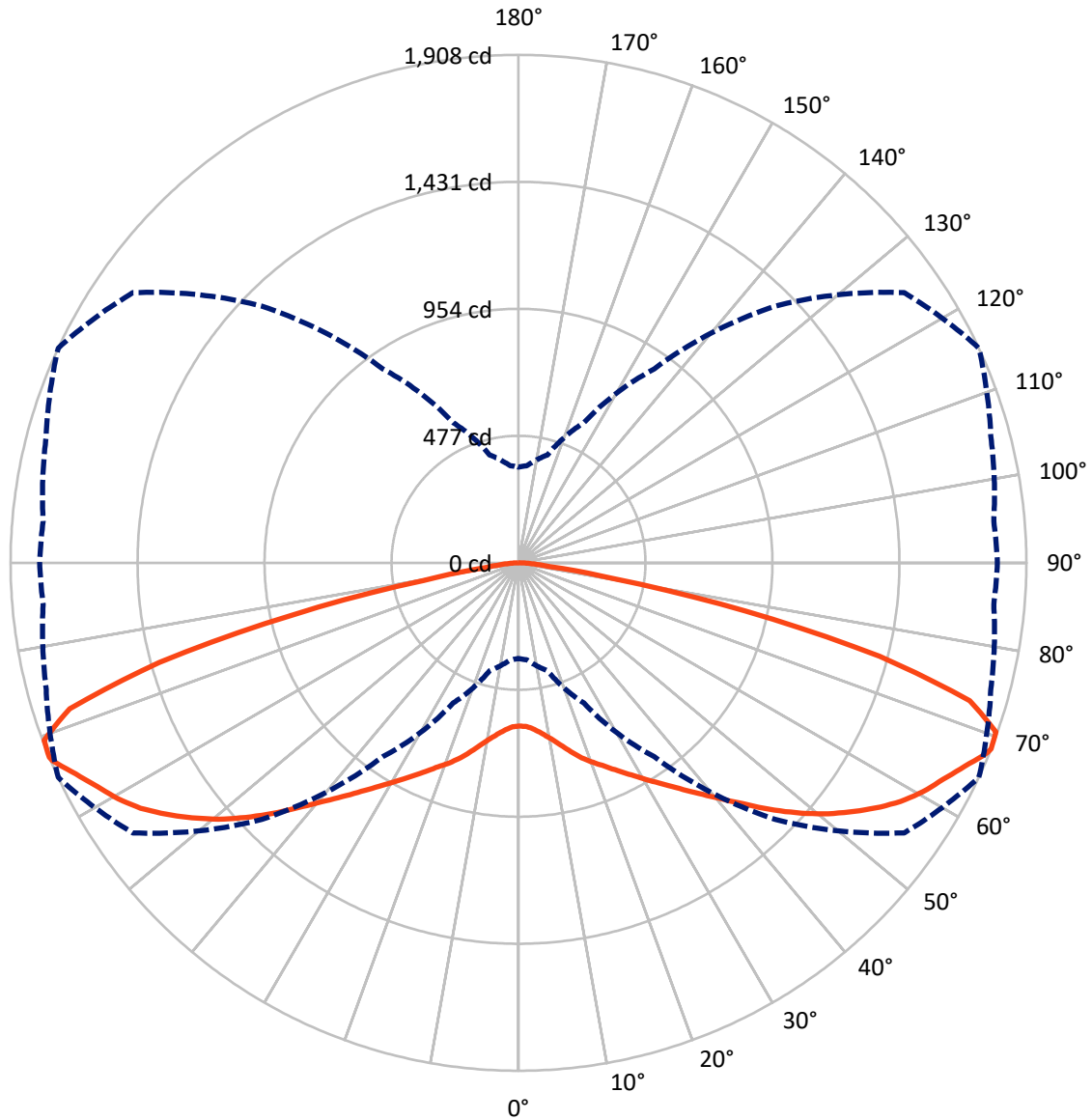
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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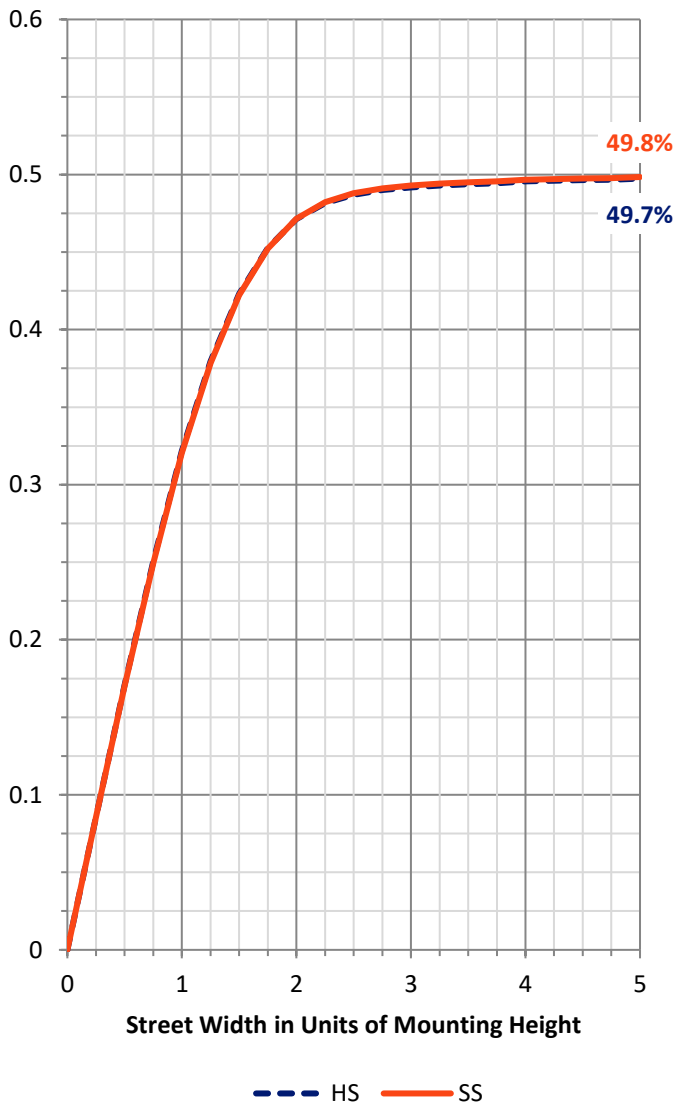
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2947.5	0.0	2947.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2947.5	0.0	2947.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5895.0	0.0	5895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	1.0
10°-20°	200.9	3.4
20°-30°	391.8	6.6
30°-40°	658.2	11.2
40°-50°	1037.0	17.6
50°-60°	1386.9	23.5
60°-70°	1348.2	22.9
70°-80°	737.0	12.5
80°-90°	75.0	1.3
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°	5895.0	100.0
0°-180°	5895.0	100.0

Coefficient of Utilization



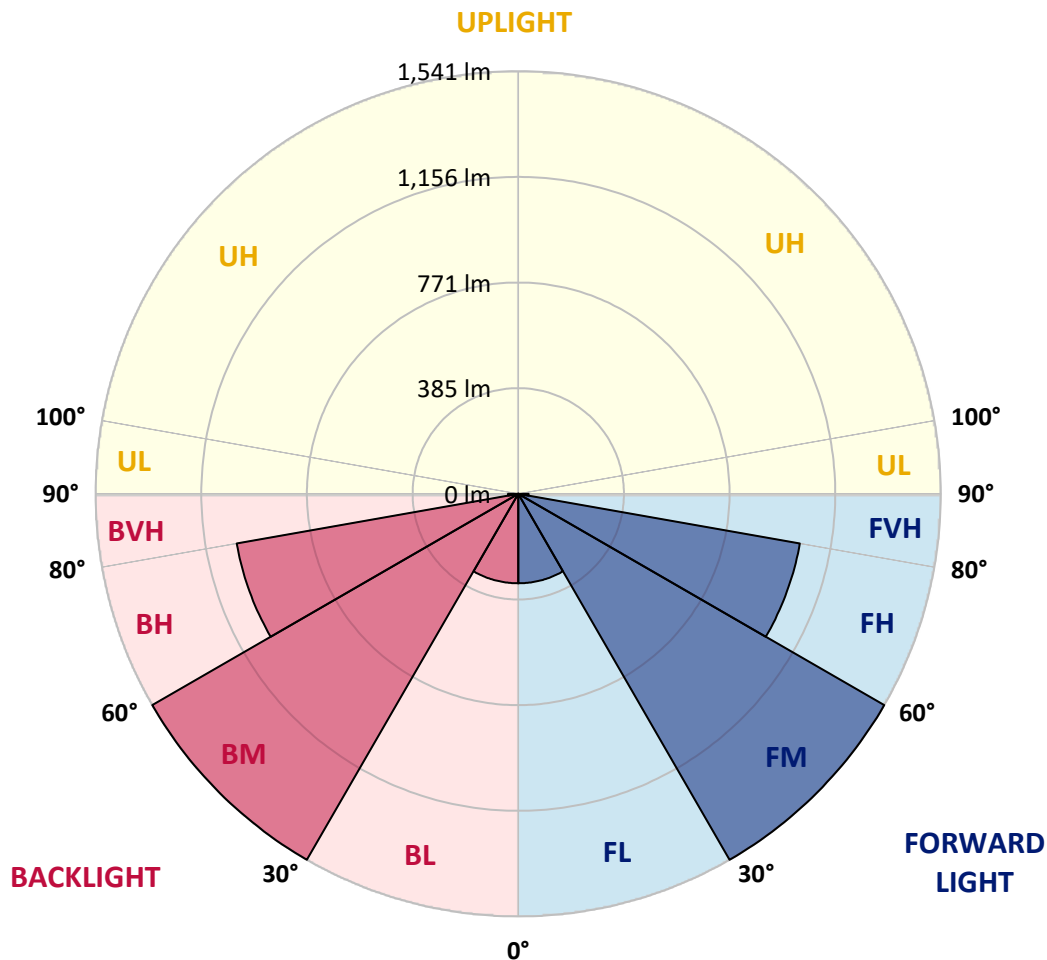
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	326.4	5.5			
FM (30°-60°)	1541.0	26.1			
FH (60°-80°)	1042.6	17.7			G1/1800
FVH (80°-90°)	37.5	0.6			G1/100
BL (0°-30°)	326.4	5.5	B1/500		
BM (30°-60°)	1541.0	26.1	B2/2500		
BH (60°-80°)	1042.6	17.7	B3/2500		G3/2500
BVH (80°-90°)	37.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	612.9	612.9	612.9	612.9	612.9	612.9	612.9	612.9	612.9	612.9	612.9
2.5°	608.6	608.8	609.8	611.0	612.0	614.5	615.1	616.1	616.5	617.5	617.5
5°	603.3	603.7	606.0	609.2	612.7	619.1	623.6	628.8	631.3	634.1	633.9
7.5°	602.7	603.7	607.0	612.2	618.1	628.6	638.0	648.3	655.2	661.6	661.2
10°	608.8	610.4	615.1	622.8	631.7	644.8	658.8	672.6	684.7	694.4	694.8
12.5°	618.1	620.1	627.6	639.2	652.7	669.5	686.1	701.7	718.3	732.7	733.9
15°	630.3	632.9	644.2	661.6	682.1	702.1	719.9	735.9	755.1	775.0	777.0
17.5°	648.5	652.1	666.9	690.4	717.5	739.4	758.0	770.1	786.1	806.6	810.4
20°	676.2	680.7	699.5	727.6	760.6	783.5	797.8	800.3	808.2	826.6	831.0
22.5°	712.2	716.1	737.1	770.5	807.4	832.3	839.9	829.6	828.8	843.6	847.8
25°	752.3	755.8	780.2	817.7	857.4	884.9	884.7	864.8	850.9	862.4	866.7
27.5°	797.4	802.9	826.2	865.7	908.2	935.3	933.7	902.9	876.6	879.6	883.3
30°	849.1	855.3	878.0	918.1	960.6	987.1	985.1	944.4	904.9	897.0	899.7
32.5°	913.4	920.7	942.2	981.8	1019.3	1043.2	1037.5	989.5	938.9	921.7	924.3
35°	990.7	995.0	1017.7	1056.7	1087.1	1103.5	1091.5	1041.7	982.0	961.2	961.2
37.5°	1068.9	1072.3	1097.8	1135.6	1165.0	1173.7	1150.2	1098.8	1038.3	1008.9	1009.4
40°	1144.1	1153.1	1181.8	1220.5	1249.6	1252.0	1220.7	1164.0	1101.0	1070.5	1074.1
42.5°	1222.5	1231.4	1265.6	1309.5	1335.2	1339.1	1302.6	1237.1	1171.7	1147.0	1151.0
45°	1292.5	1299.6	1339.1	1390.1	1422.2	1432.4	1389.1	1321.0	1248.2	1224.1	1225.1
47.5°	1341.3	1350.6	1394.1	1454.2	1500.8	1516.6	1474.1	1402.6	1323.5	1294.3	1296.8
50°	1385.6	1390.5	1434.6	1500.2	1559.5	1592.1	1555.8	1483.2	1399.6	1368.6	1371.4
52.5°	1410.3	1416.6	1459.3	1527.7	1597.9	1650.5	1628.3	1555.8	1473.2	1442.9	1446.3
55°	1393.1	1397.8	1449.0	1533.8	1621.6	1686.4	1689.8	1626.7	1545.3	1518.8	1528.3
57.5°	1314.8	1320.8	1383.2	1494.3	1624.6	1710.7	1736.0	1692.6	1612.7	1591.2	1596.7
60°	1192.5	1196.2	1262.8	1387.8	1566.8	1720.8	1765.5	1746.3	1678.7	1657.2	1664.7
62.5°	974.5	980.0	1059.7	1227.1	1444.9	1691.0	1794.0	1790.8	1740.2	1720.4	1727.1
65°	666.1	675.8	764.0	975.6	1256.9	1599.7	1819.8	1842.6	1794.5	1769.6	1778.5
67.5°	402.2	409.4	473.2	644.2	961.8	1415.4	1793.2	1901.5	1832.9	1792.8	1800.1
68°	359.5	366.1	419.4	581.3	889.7	1363.5	1768.9	1908.2	1837.0	1792.4	1798.9
70°	217.2	221.6	257.4	359.3	593.2	1081.6	1603.0	1902.7	1863.5	1797.9	1801.7
72.5°	141.5	142.9	148.8	184.4	303.0	604.8	1203.2	1773.0	1903.3	1830.1	1829.5
75°	117.6	116.8	117.4	121.6	149.4	265.3	703.1	1400.6	1814.3	1779.3	1766.9
77.5°	99.4	98.8	98.6	98.8	100.0	128.1	305.2	872.5	1388.4	1574.0	1585.0
80°	80.4	79.7	82.2	81.0	77.5	79.7	127.9	362.9	654.4	704.1	659.8
82.5°	58.5	55.5	66.6	63.4	60.5	56.1	70.6	117.2	156.2	107.1	75.3
85°	45.1	41.9	50.6	48.6	41.5	28.7	41.9	57.3	63.3	36.2	28.5
87.5°	18.4	19.4	36.6	28.9	24.3	13.8	17.2	22.9	30.8	15.4	11.9
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)