

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: P360521

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P360521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: NVN-SA1C-830-U-5MQ
Description: NAVION ROADWAY AND AREA LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6143 lumens
Efficiency: N/A
Efficacy: 104.1 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

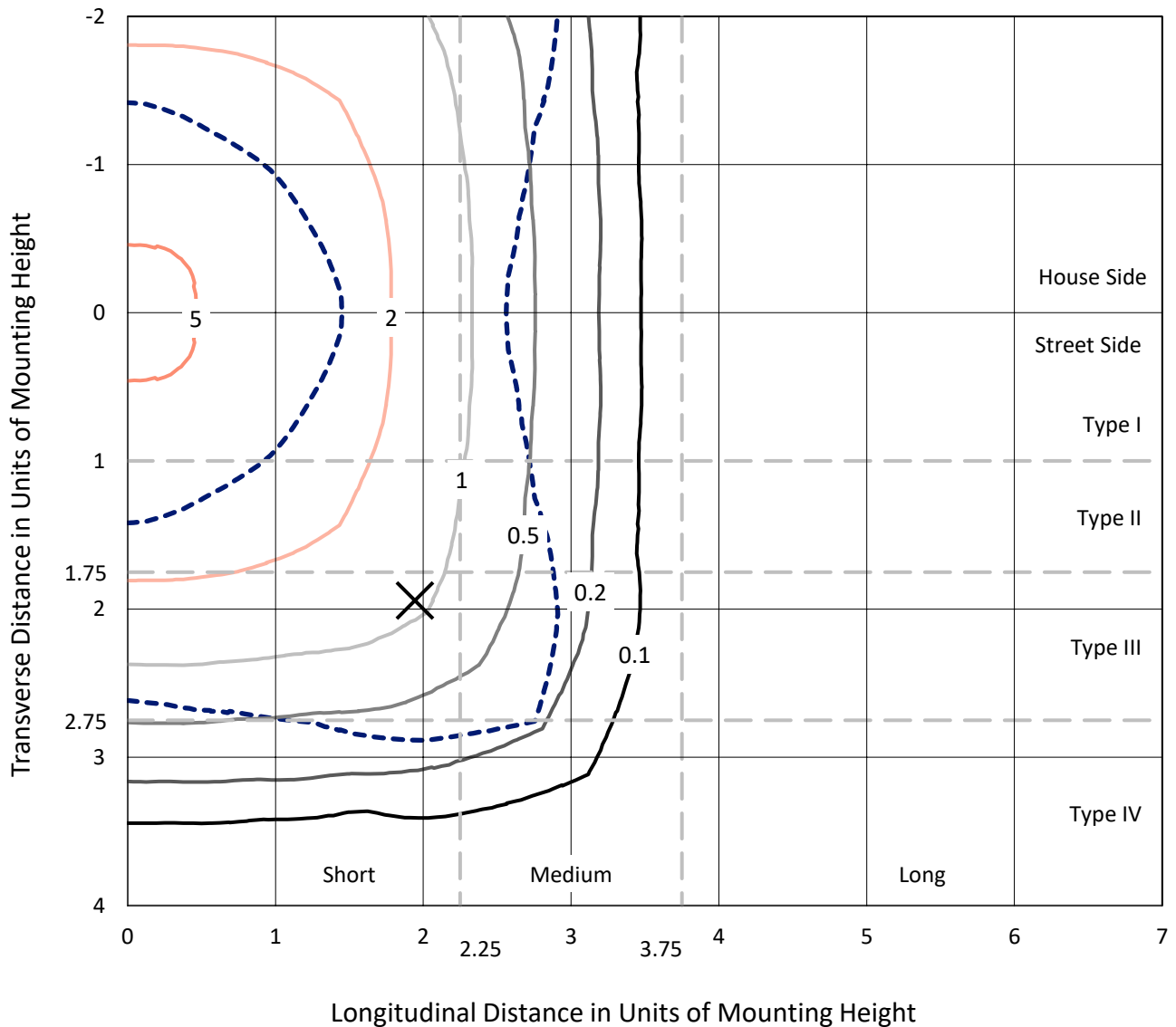
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

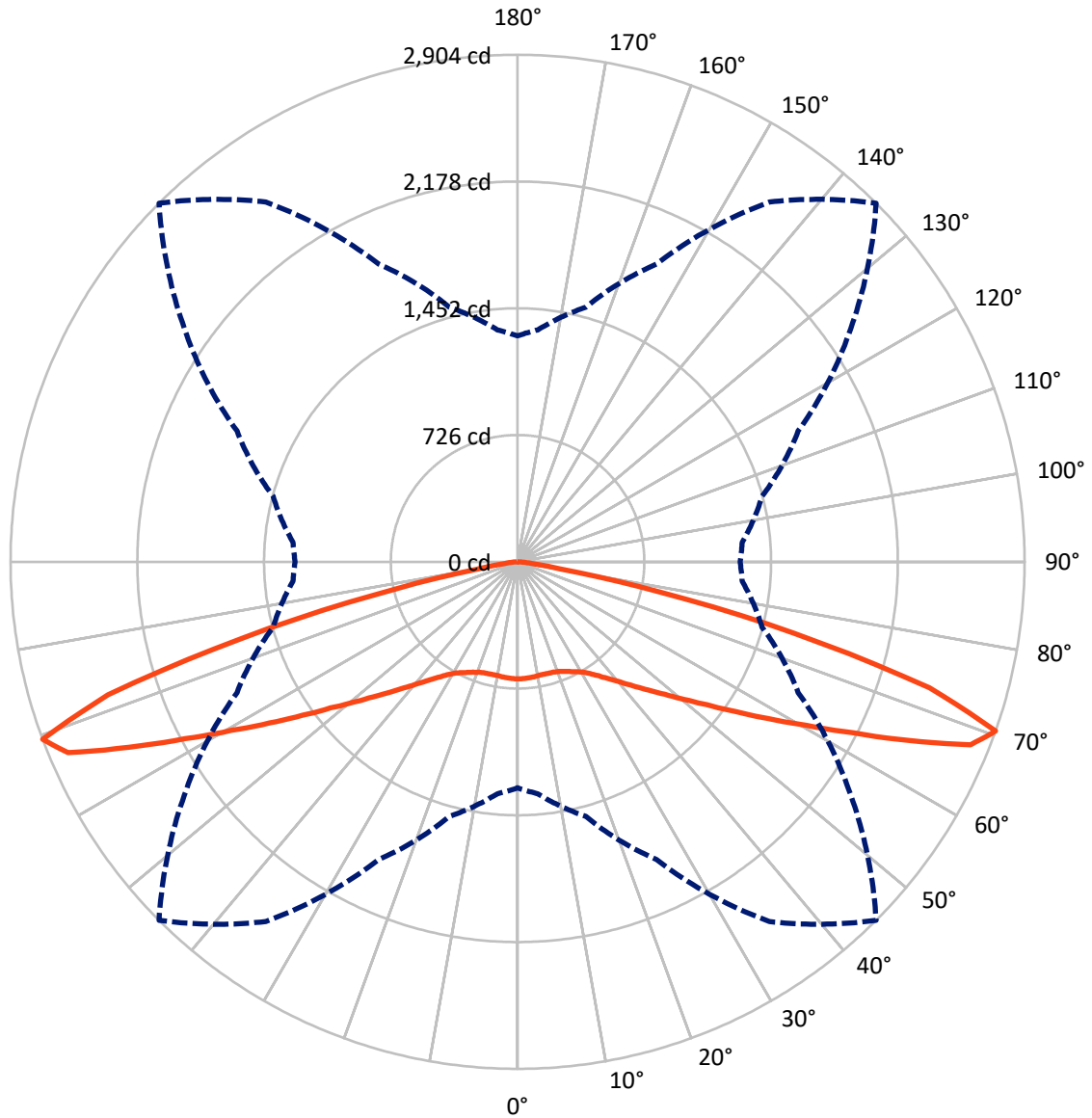
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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	3071.5	0.0	3071.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3071.5	0.0	3071.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6143.0	0.0	6143.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	1.0
10°-20°	186.5	3.0
20°-30°	317.6	5.2
30°-40°	503.6	8.2
40°-50°	819.6	13.3
50°-60°	1351.4	22.0
60°-70°	1983.8	32.3
70°-80°	877.2	14.3
80°-90°	39.7	0.6
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°	6143.0	100.0
0°-180°	6143.0	100.0

Coefficient of Utilization



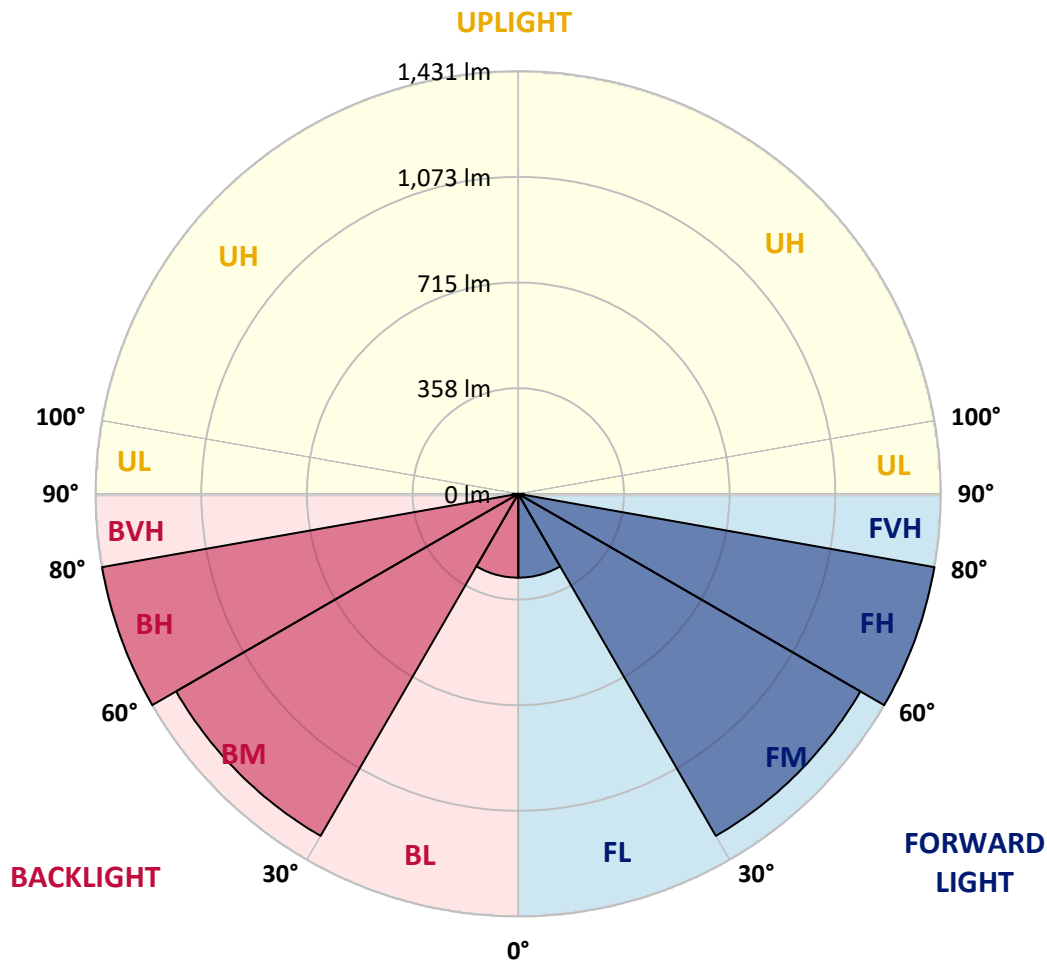
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.8	4.6			
FM (30°-60°)	1337.3	21.8			
FH (60°-80°)	1430.5	23.3			G1/1800
FVH (80°-90°)	19.9	0.3			G1/100
BL (0°-30°)	283.8	4.6	B1/500		
BM (30°-60°)	1337.3	21.8	B2/2500		
BH (60°-80°)	1430.5	23.3	B3/2500		G1/1800
BVH (80°-90°)	19.9	0.3			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°	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9
2.5°	669.9	669.3	670.7	670.5	669.3	669.5	669.5	670.1	670.1	669.7	669.7
5°	667.5	667.0	668.7	668.7	667.5	667.9	668.3	668.9	668.7	668.3	668.1
7.5°	664.4	664.2	665.8	665.8	665.0	665.4	665.0	665.2	664.8	664.4	663.8
10°	659.3	659.7	661.2	661.6	661.6	661.8	661.4	660.3	659.7	659.1	658.5
12.5°	654.6	654.4	656.5	657.5	659.1	660.9	659.7	656.9	655.7	654.4	654.0
15°	651.6	651.8	653.8	655.7	658.5	662.4	660.9	656.5	654.0	652.6	652.2
17.5°	651.0	651.4	654.0	657.3	660.3	664.6	663.8	659.3	655.3	652.6	652.0
20°	652.4	652.6	656.7	661.4	666.6	670.7	668.9	664.0	658.5	654.4	653.4
22.5°	655.1	655.9	660.9	668.3	676.4	681.9	679.7	671.3	662.8	657.7	656.3
25°	663.4	663.6	670.5	680.5	690.2	696.5	693.9	682.1	671.1	665.4	663.6
27.5°	680.7	681.3	688.2	699.8	708.1	712.2	710.6	701.0	691.6	685.5	686.2
30°	705.7	706.5	714.2	727.0	732.1	733.1	732.7	728.2	719.7	711.6	712.2
32.5°	736.2	736.6	746.9	758.5	762.6	763.4	762.6	758.5	748.4	737.4	738.0
35°	775.4	776.6	786.6	797.8	801.0	802.7	801.2	795.9	785.4	774.6	774.2
37.5°	823.8	824.0	834.4	846.0	850.0	850.4	848.8	845.3	832.1	822.4	821.8
40°	879.9	880.7	892.9	905.3	906.9	905.1	907.4	905.3	891.7	880.5	882.3
42.5°	948.2	950.1	964.7	976.9	972.2	971.2	972.6	973.2	962.2	948.6	947.4
45°	1027.7	1029.3	1047.6	1057.4	1054.3	1047.6	1050.5	1055.4	1040.1	1023.2	1024.9
47.5°	1118.4	1122.5	1142.0	1151.1	1143.6	1134.4	1139.9	1147.3	1129.4	1108.4	1107.4
50°	1219.2	1224.3	1250.3	1263.1	1255.6	1238.7	1247.9	1252.8	1227.0	1199.9	1197.7
52.5°	1326.8	1331.9	1364.6	1391.0	1386.1	1359.9	1372.7	1367.6	1338.0	1301.6	1298.7
55°	1448.6	1450.6	1486.0	1528.7	1533.5	1514.2	1513.4	1505.1	1461.2	1419.1	1417.0
57.5°	1573.8	1575.2	1621.0	1671.4	1694.4	1694.4	1671.6	1653.9	1595.5	1546.8	1541.7
60°	1709.0	1714.1	1764.7	1833.2	1886.9	1902.7	1862.5	1814.3	1750.9	1691.3	1685.4
62.5°	1829.4	1835.2	1912.7	2014.8	2101.0	2158.7	2060.3	1981.8	1866.4	1770.8	1759.6
65°	1844.6	1860.5	1973.3	2158.1	2351.0	2466.3	2277.6	2084.3	1873.9	1741.1	1729.7
67.5°	1684.6	1711.4	1863.9	2151.6	2550.3	2797.7	2416.5	2025.7	1738.9	1592.1	1579.5
70°	1294.5	1333.5	1509.3	1882.0	2515.9	2904.4	2329.5	1773.4	1449.8	1291.8	1274.1
72.5°	710.1	726.2	884.4	1288.8	2017.0	2468.1	1943.0	1311.3	961.4	782.3	752.6
75°	225.3	231.0	311.5	527.4	1141.0	1634.8	1234.3	643.7	354.4	261.2	258.2
77.5°	100.0	100.6	112.6	153.9	393.0	828.3	472.1	175.3	120.8	105.5	109.0
80°	63.2	63.2	69.7	76.2	106.9	240.5	127.7	83.4	71.2	66.1	67.5
82.5°	30.3	33.5	45.3	48.8	58.8	80.9	65.5	54.5	47.6	35.4	32.9
85°	19.9	16.7	28.7	32.3	34.2	38.8	38.0	36.0	31.1	17.7	19.7
87.5°	8.9	8.5	14.8	13.6	12.8	9.8	14.6	18.1	17.5	8.7	8.7
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)