

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: P360665

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P360665  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: NVN-SA1C-830-U-5NQ  
Description: NAVION ROADWAY AND AREA LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5930 lumens  
Efficiency: N/A  
Efficacy: 100.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

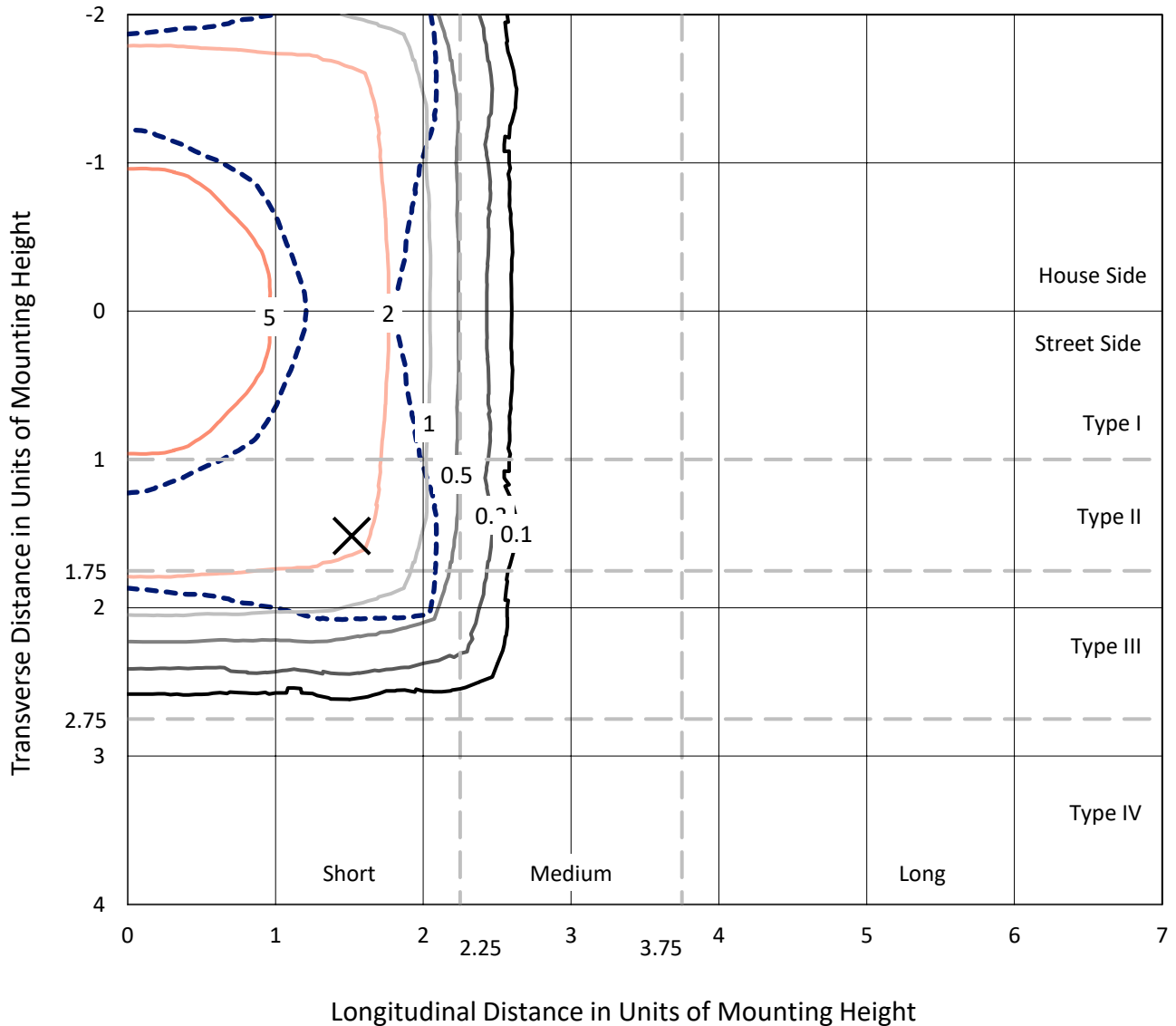
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

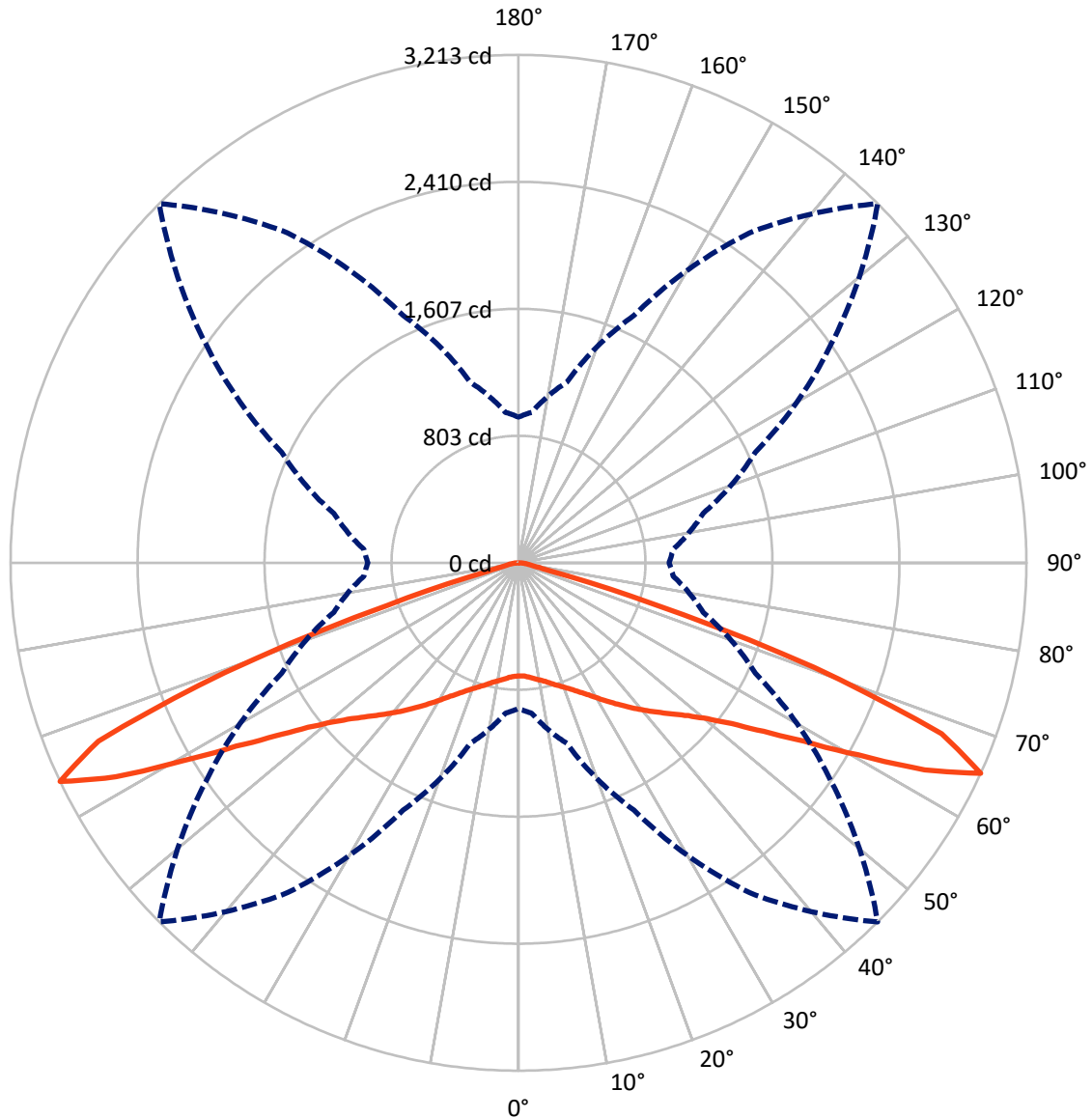
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2965.0	0.0	2965.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2965.0	0.0	2965.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5930.0	0.0	5930.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.3	1.2
10°-20°	225.8	3.8
20°-30°	423.7	7.1
30°-40°	700.7	11.8
40°-50°	1085.3	18.3
50°-60°	1664.6	28.1
60°-70°	1553.3	26.2
70°-80°	180.8	3.0
80°-90°	25.4	0.4
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°	5930.0	100.0
0°-180°	5930.0	100.0

**Coefficient of Utilization**



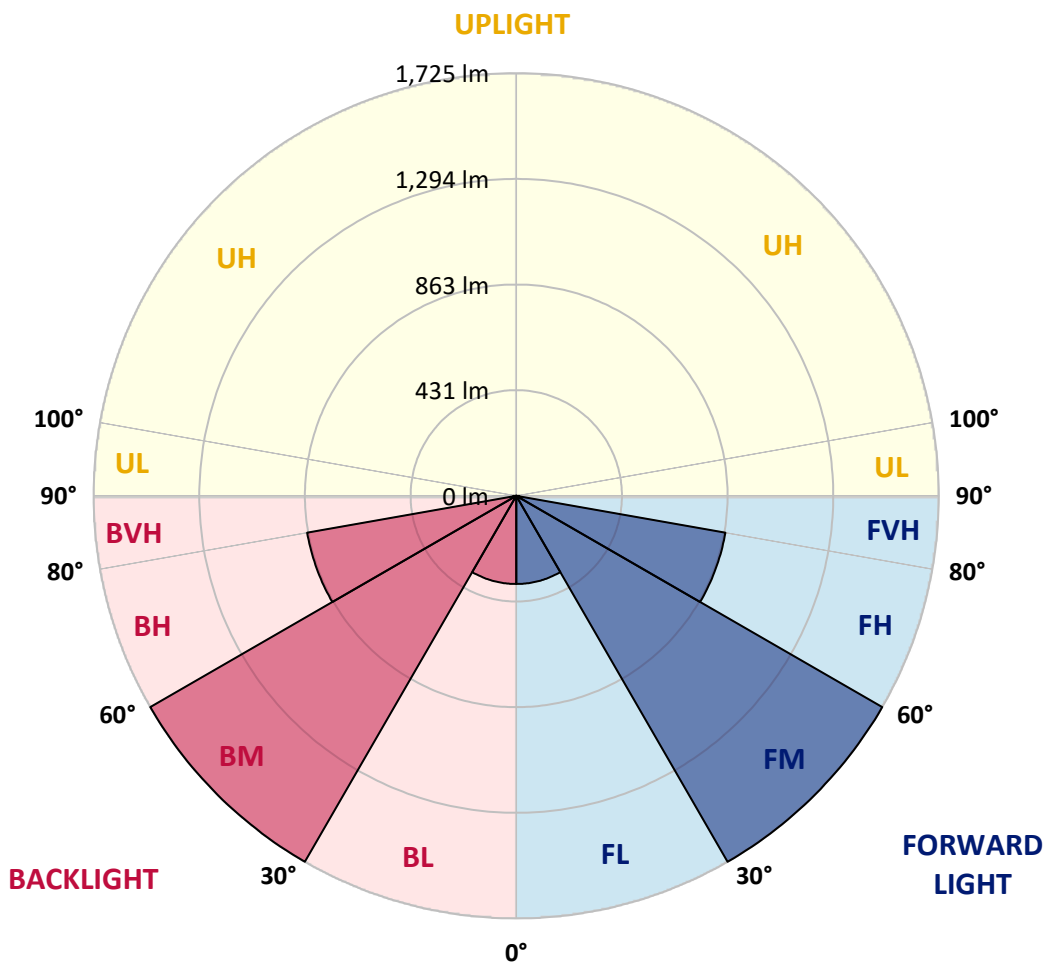
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	359.9	6.1			
FM (30°-60°)	1725.4	29.1			
FH (60°-80°)	867.0	14.6			G1/1800
FVH (80°-90°)	12.7	0.2			G1/100
BL (0°-30°)	359.9	6.1	B1/500		
BM (30°-60°)	1725.4	29.1	B2/2500		
BH (60°-80°)	867.0	14.6	B2/1000		G1/1800
BVH (80°-90°)	12.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1
2.5°	718.5	718.1	718.5	718.7	717.5	718.1	717.9	718.9	719.3	718.9	718.9
5°	726.8	726.2	726.9	727.9	726.4	726.8	726.2	727.3	727.7	726.9	727.5
7.5°	738.2	738.4	739.2	740.9	739.9	740.7	739.5	739.7	739.5	738.4	738.6
10°	750.6	750.8	752.1	754.5	754.9	754.9	754.1	753.5	752.7	751.9	752.1
12.5°	765.5	766.5	767.5	770.5	770.5	772.0	771.6	770.1	768.7	767.5	767.5
15°	785.8	785.6	786.8	789.7	791.1	793.7	793.7	791.5	789.7	788.6	788.2
17.5°	807.1	807.7	808.4	812.0	814.2	817.1	817.5	815.7	814.5	813.0	812.0
20°	831.9	832.9	836.0	837.4	839.3	842.1	843.1	842.7	841.5	840.7	840.9
22.5°	860.8	863.4	865.3	867.3	869.7	871.6	872.6	874.0	872.8	872.2	871.8
25°	895.8	897.6	901.6	905.1	906.7	907.3	908.4	910.4	910.2	908.8	908.8
27.5°	935.6	939.0	943.9	949.0	949.0	947.0	951.0	954.3	953.1	951.4	949.0
30°	983.8	987.0	992.7	999.8	996.2	994.9	1000.2	1006.3	1004.5	1001.5	1001.2
32.5°	1035.8	1038.8	1046.2	1053.9	1049.4	1047.4	1053.1	1062.0	1058.8	1052.9	1049.4
35°	1092.1	1095.0	1105.7	1114.9	1107.3	1103.9	1108.6	1118.3	1112.8	1101.7	1099.0
37.5°	1153.3	1154.9	1168.7	1178.1	1172.8	1163.9	1169.9	1176.9	1172.2	1158.8	1153.5
40°	1216.9	1222.6	1238.5	1249.6	1240.3	1226.3	1236.2	1246.0	1238.9	1221.8	1212.8
42.5°	1291.1	1295.4	1316.7	1326.5	1311.6	1291.9	1305.3	1318.7	1311.6	1295.0	1287.2
45°	1368.3	1375.0	1400.4	1410.2	1388.5	1363.5	1379.9	1403.3	1402.7	1378.9	1370.6
47.5°	1452.3	1459.0	1489.3	1502.3	1478.9	1445.4	1468.5	1501.5	1499.2	1473.0	1466.3
50°	1549.4	1556.5	1594.2	1610.6	1588.7	1549.8	1584.4	1613.5	1609.2	1576.9	1577.5
52.5°	1671.2	1670.8	1717.9	1746.2	1723.8	1689.3	1721.2	1749.6	1731.6	1687.0	1685.6
55°	1777.9	1784.4	1842.7	1896.4	1895.0	1881.8	1894.6	1895.8	1844.6	1785.2	1777.9
57.5°	1848.0	1860.4	1942.5	2039.7	2112.5	2130.1	2105.3	2030.1	1910.2	1815.1	1803.5
60°	1804.9	1823.8	1952.7	2150.9	2365.5	2468.4	2328.5	2095.2	1859.2	1726.7	1711.0
62.5°	1513.9	1545.8	1734.6	2097.2	2583.2	2884.2	2490.3	1990.7	1656.5	1474.0	1447.0
65°	922.0	955.7	1183.2	1726.1	2548.0	3213.3	2416.5	1652.3	1209.0	982.1	952.9
67.5°	307.3	317.1	451.2	954.1	2002.5	2887.1	2005.9	989.1	526.2	348.8	338.6
70°	120.3	121.3	143.1	276.6	945.6	1983.0	1043.5	281.5	149.6	118.3	120.9
72.5°	88.4	88.8	94.9	115.5	246.5	873.6	255.3	116.1	92.3	82.9	82.9
75°	71.1	71.1	75.4	84.2	110.4	200.4	112.0	83.3	72.2	66.1	65.4
77.5°	56.1	57.3	60.6	66.3	74.8	96.5	77.6	65.9	58.3	52.6	51.4
80°	41.7	42.9	48.4	51.2	53.7	66.9	57.3	51.6	46.1	39.4	38.2
82.5°	27.4	28.5	35.4	37.0	36.4	43.7	38.6	38.0	33.9	25.4	24.2
85°	17.9	18.3	23.6	24.6	22.6	19.9	24.6	26.0	23.6	16.5	15.9
87.5°	8.5	8.5	12.0	11.2	10.2	8.3	11.2	13.2	13.4	8.1	7.9
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)