

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P882972

Luminaire Tested: **NVN-SB3A-835-U-5WQ**

Issue Date: 10/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P882972  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB3A-835-U-5WQ  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

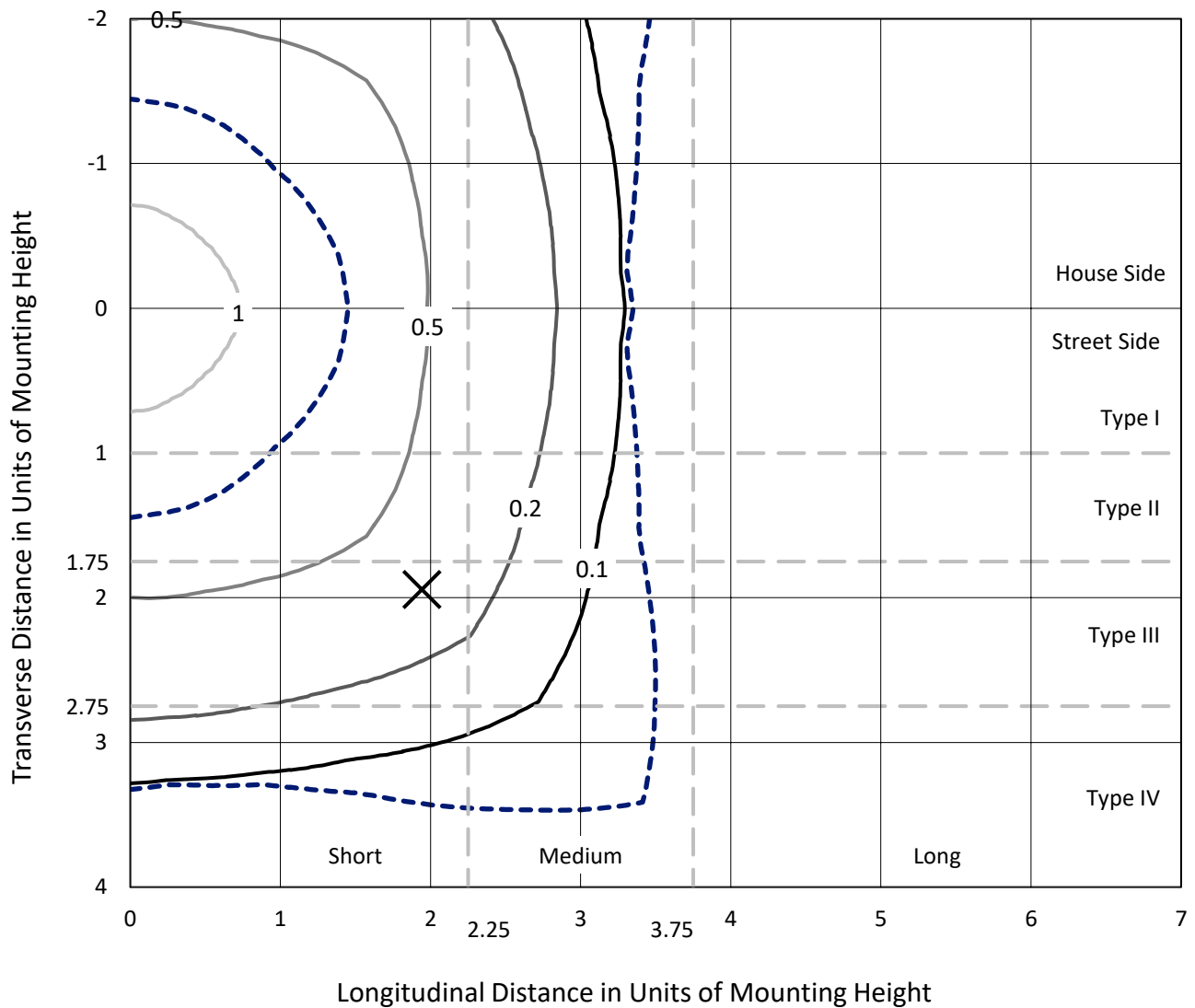
Lumens per Lamp: N/A  
Luminaire Lumens: 11483 lumens  
Efficiency: N/A  
Efficacy: 135.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): 120.0  
Input Current (Ain): 0.717  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 11.969  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

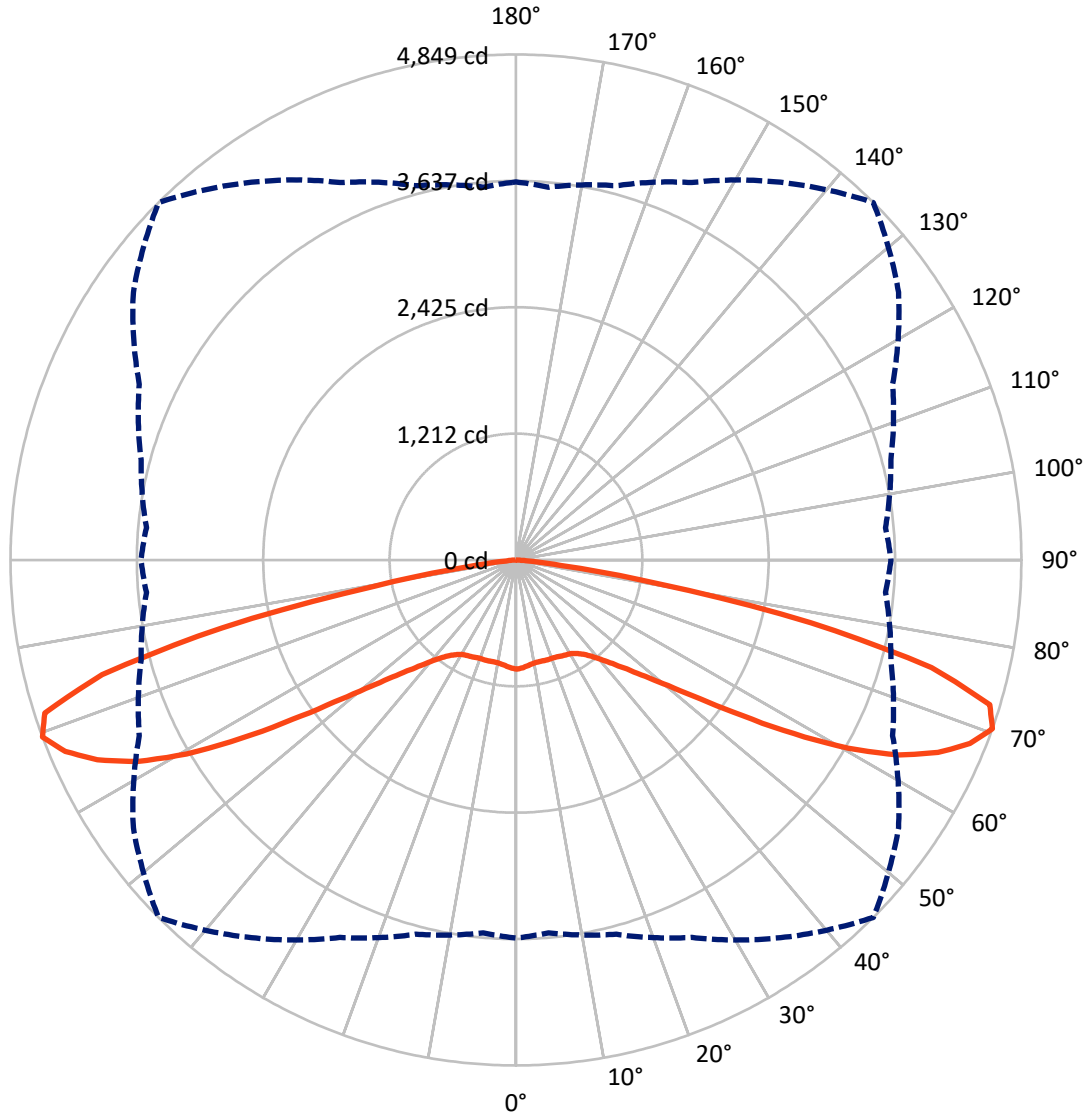
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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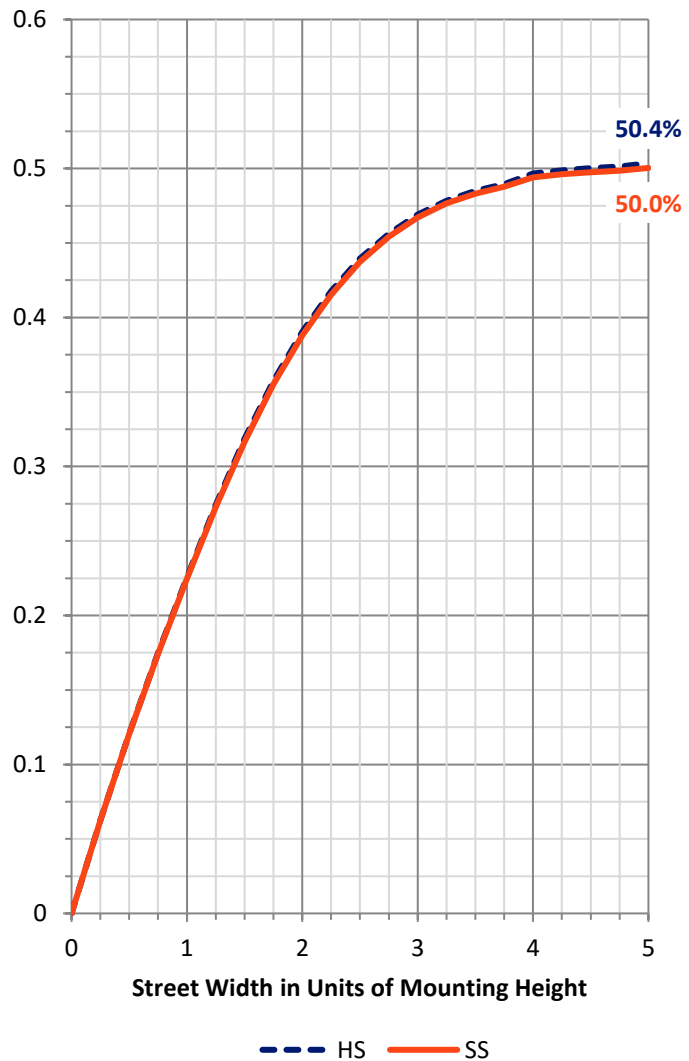
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5741.5	0.0	5741.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5741.5	0.0	5741.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11483.0	0.0	11483.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.4	0.8
10°-20°	286.1	2.5
20°-30°	476.1	4.1
30°-40°	720.0	6.3
40°-50°	1196.5	10.4
50°-60°	2257.8	19.7
60°-70°	3812.5	33.2
70°-80°	2505.2	21.8
80°-90°	131.2	1.1
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°	11483.0	100.0
0°-180°	11483.0	100.0

**Coefficient of Utilization**



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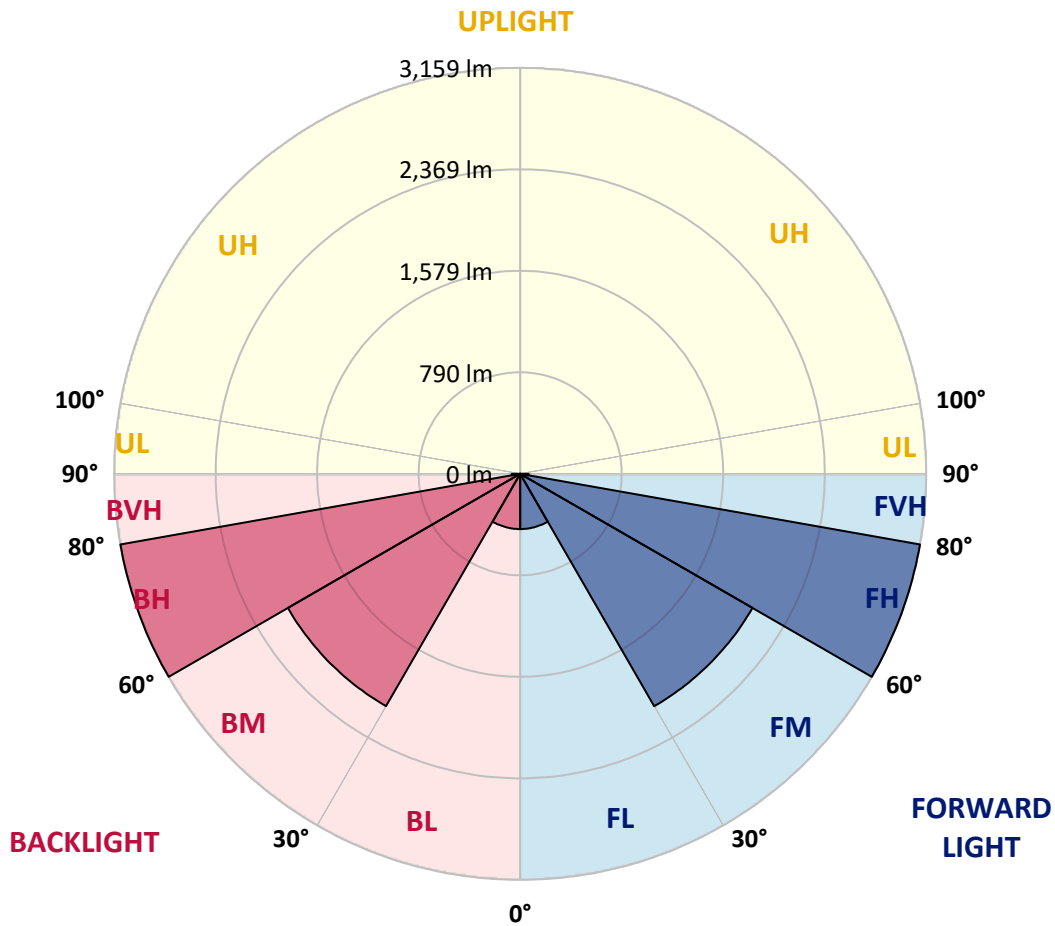
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	429.8	3.7			
FM (30°-60°)	2087.2	18.2			
FH (60°-80°)	3158.8	27.5			G2/5000
FVH (80°-90°)	65.6	0.6			G1/100
BL (0°-30°)	429.8	3.7	B1/500		
BM (30°-60°)	2087.2	18.2	B2/2500		
BH (60°-80°)	3158.8	27.5	B4/5000		G2/5000
BVH (80°-90°)	65.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5
2.5°	1040.9	1043.9	1042.7	1040.3	1040.3	1038.5	1040.3	1041.5	1043.3	1044.5	1043.9
5°	1027.2	1029.6	1029.0	1027.2	1027.8	1026.0	1027.2	1029.0	1030.2	1030.8	1030.8
7.5°	1015.3	1017.6	1016.4	1013.5	1013.5	1011.7	1012.3	1014.1	1015.8	1016.4	1016.4
10°	1012.3	1014.7	1011.1	1006.3	1004.5	1002.1	1002.7	1004.5	1008.1	1009.9	1009.9
12.5°	1013.5	1015.3	1011.7	1004.5	1002.7	1000.3	1000.3	1002.1	1006.9	1009.3	1009.9
15°	1017.0	1018.8	1013.5	1005.7	1003.9	1002.1	1001.5	1003.9	1009.3	1013.5	1014.1
17.5°	1023.6	1025.4	1017.0	1006.3	1003.9	1004.5	1003.9	1005.7	1014.1	1021.8	1021.8
20°	1029.6	1030.8	1019.4	1006.3	1003.9	1004.5	1003.9	1007.5	1018.2	1029.0	1029.6
22.5°	1031.4	1032.6	1021.8	1010.5	1008.7	1009.3	1008.7	1012.3	1022.4	1033.2	1033.2
25°	1032.0	1033.8	1025.4	1016.4	1019.4	1020.6	1019.4	1020.0	1027.8	1037.3	1036.7
27.5°	1040.9	1043.3	1035.5	1027.8	1029.6	1029.0	1030.8	1032.6	1038.5	1048.1	1045.7
30°	1059.4	1061.2	1054.6	1046.9	1045.7	1041.5	1046.9	1052.9	1059.4	1067.8	1066.0
32.5°	1089.9	1093.4	1085.1	1076.7	1071.4	1069.0	1073.1	1083.3	1092.2	1101.2	1097.6
35°	1140.6	1143.0	1135.2	1119.7	1110.2	1110.2	1113.7	1126.9	1141.2	1152.5	1148.3
37.5°	1212.2	1215.2	1201.5	1183.0	1168.6	1168.6	1173.4	1187.1	1208.6	1224.7	1218.8
40°	1299.4	1303.5	1286.2	1267.1	1253.4	1251.0	1257.0	1272.5	1292.8	1313.1	1306.5
42.5°	1404.4	1409.2	1386.5	1369.8	1359.0	1359.0	1362.0	1376.3	1394.9	1419.9	1418.1
45°	1538.7	1547.0	1516.0	1499.3	1489.2	1491.5	1493.3	1505.9	1522.6	1551.2	1550.0
47.5°	1698.6	1707.0	1674.2	1656.9	1655.1	1666.4	1659.3	1668.2	1677.2	1710.0	1700.4
50°	1880.1	1894.4	1871.7	1870.5	1874.1	1895.0	1878.3	1883.1	1872.9	1893.8	1881.3
52.5°	2102.1	2123.0	2118.8	2126.0	2166.0	2209.0	2170.8	2154.1	2115.9	2122.4	2100.3
55°	2371.3	2402.9	2408.9	2451.9	2542.6	2630.3	2549.2	2481.7	2400.6	2385.6	2362.4
57.5°	2677.5	2702.6	2731.2	2818.9	2988.5	3144.2	2988.5	2839.2	2711.5	2681.1	2659.6
60°	3007.0	3038.0	3065.4	3195.0	3446.8	3665.9	3442.1	3205.1	3036.2	2995.0	2959.2
62.5°	3360.9	3400.9	3420.0	3563.8	3857.5	4118.9	3861.7	3574.6	3387.2	3343.0	3307.2
65°	3700.5	3733.3	3754.8	3908.2	4188.7	4450.7	4207.8	3924.9	3732.1	3674.2	3645.6
67.5°	3858.7	3876.6	3929.1	4102.8	4398.8	4697.8	4449.0	4121.3	3905.8	3804.4	3805.5
70°	3627.1	3590.7	3717.2	3995.3	4423.9	4849.4	4481.2	3987.0	3723.2	3558.5	3597.8
72.5°	2802.8	2740.2	2959.8	3435.5	4137.4	4752.8	4166.0	3462.4	3096.5	2762.2	2845.2
75°	1525.0	1453.9	1757.1	2358.8	3299.4	4119.5	3375.2	2426.2	1956.5	1513.6	1612.1
77.5°	430.3	403.5	648.2	1141.2	1984.5	2892.4	2060.9	1166.3	768.7	456.0	506.7
80°	131.9	127.7	173.1	343.8	842.8	1385.3	809.9	348.0	220.2	139.1	146.8
82.5°	78.2	71.6	85.9	125.3	214.9	435.1	208.9	130.7	105.0	70.4	76.4
85°	44.8	41.8	50.7	60.9	72.2	92.5	60.3	62.1	56.1	37.6	39.4
87.5°	18.5	16.7	19.7	19.1	16.7	21.5	16.1	19.1	22.7	14.9	13.7
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)