

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: P882712

Luminaire Tested: **NVN-SB2D-722-U-5WQ**

Issue Date: 10/7/2024

Test Information

Test Method: LM-79-08
Report Number: P882712
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-SB2D-722-U-5WQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16717 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

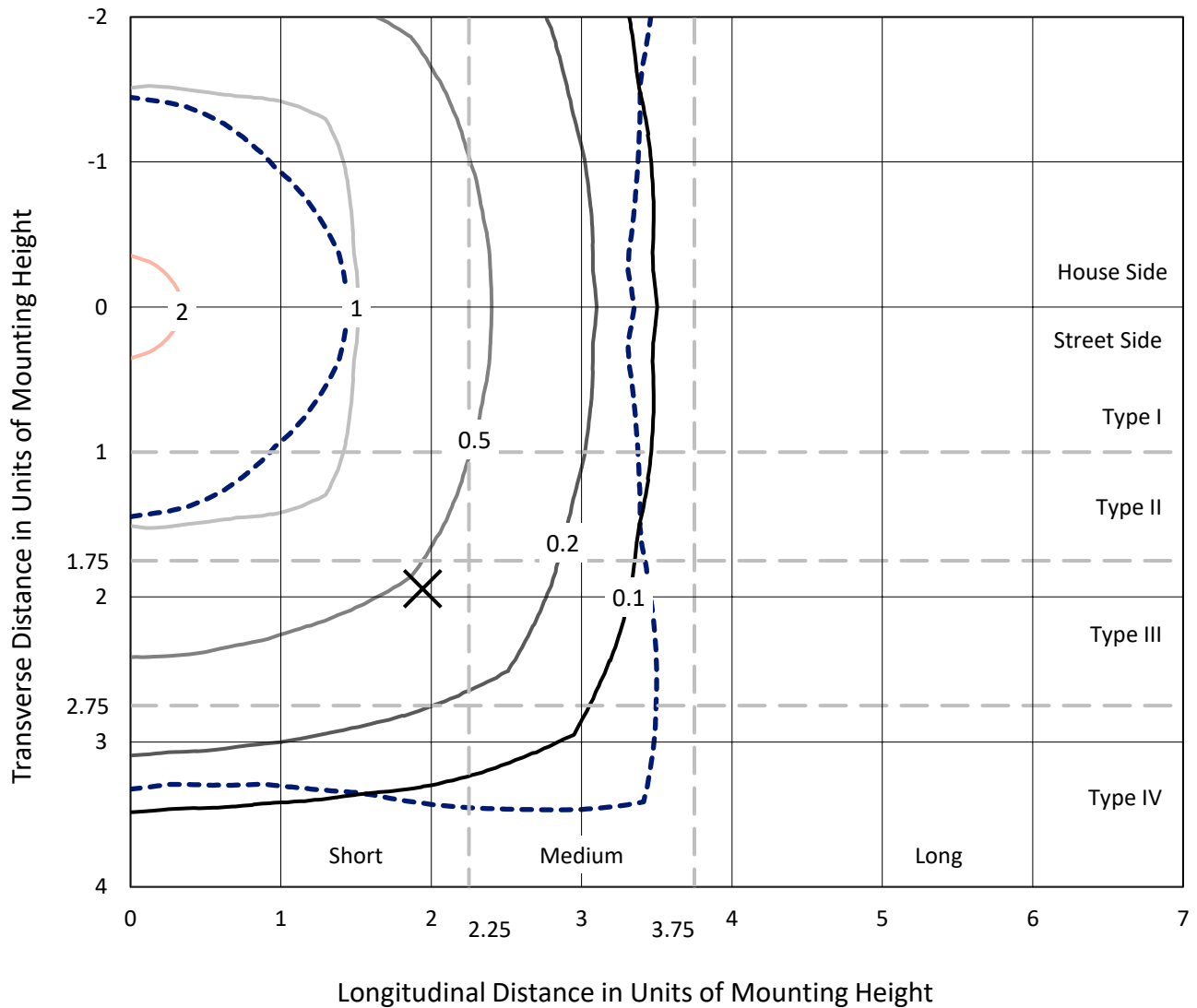
Input Watts (W): 147.6
Input Voltage (V): 120.0
Input Current (Ain): 1.234
Voltage Rise (V): NR
Power Factor: 0.999
Total Harmonic Distortion (THDi): 3.108
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

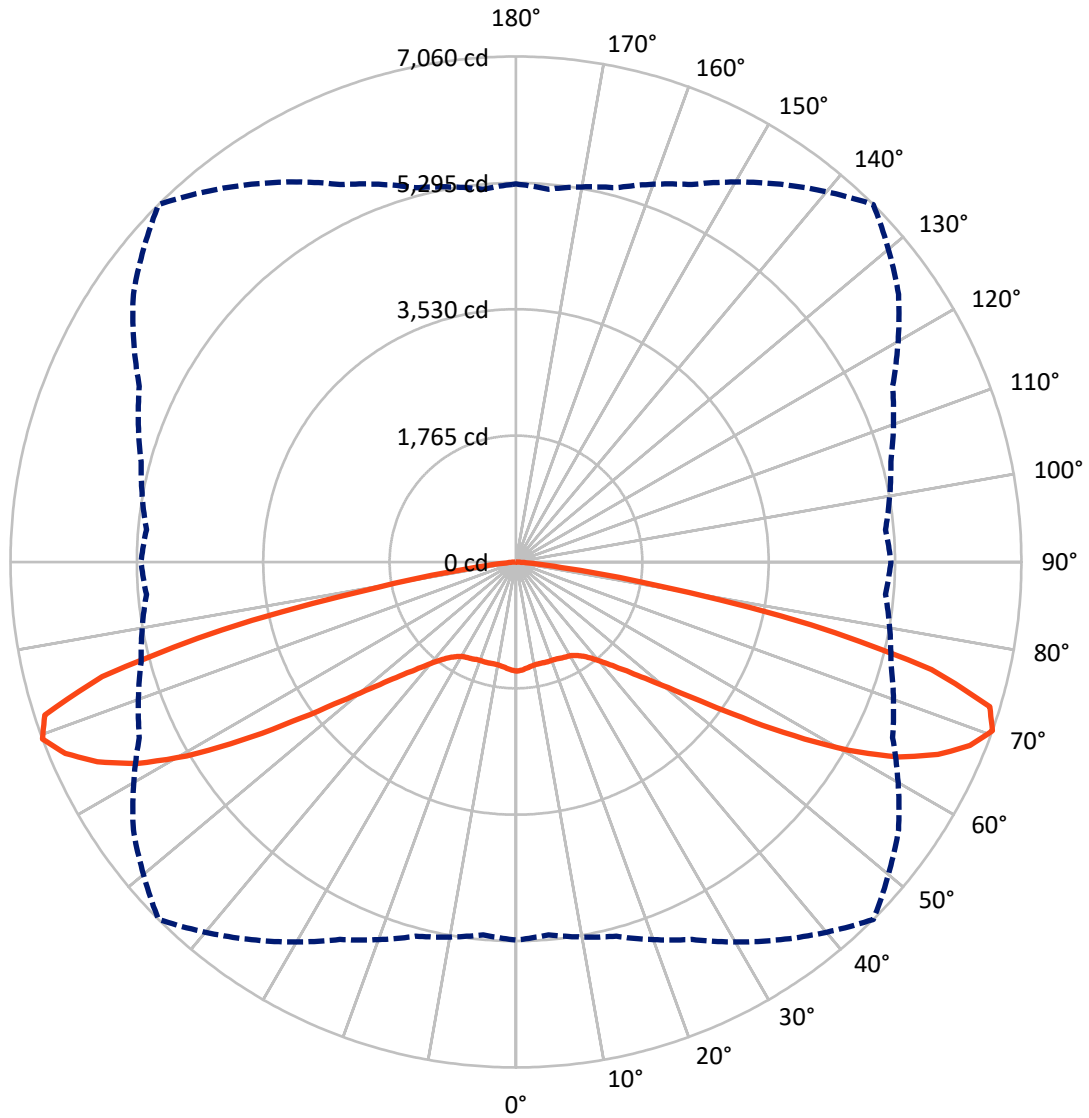
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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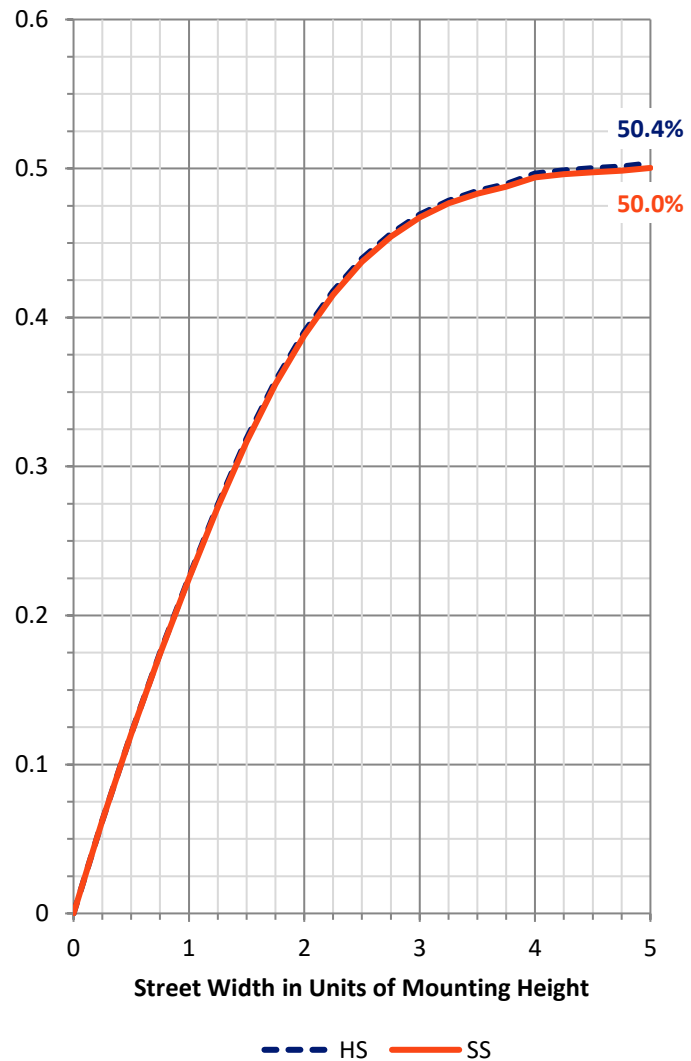
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8358.5	0.0	8358.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8358.5	0.0	8358.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16717.0	0.0	16717.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.9	0.8
10°-20°	416.5	2.5
20°-30°	693.1	4.1
30°-40°	1048.3	6.3
40°-50°	1741.9	10.4
50°-60°	3287.0	19.7
60°-70°	5550.2	33.2
70°-80°	3647.0	21.8
80°-90°	191.1	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°	16717.0	100.0
0°-180°	16717.0	100.0

Coefficient of Utilization



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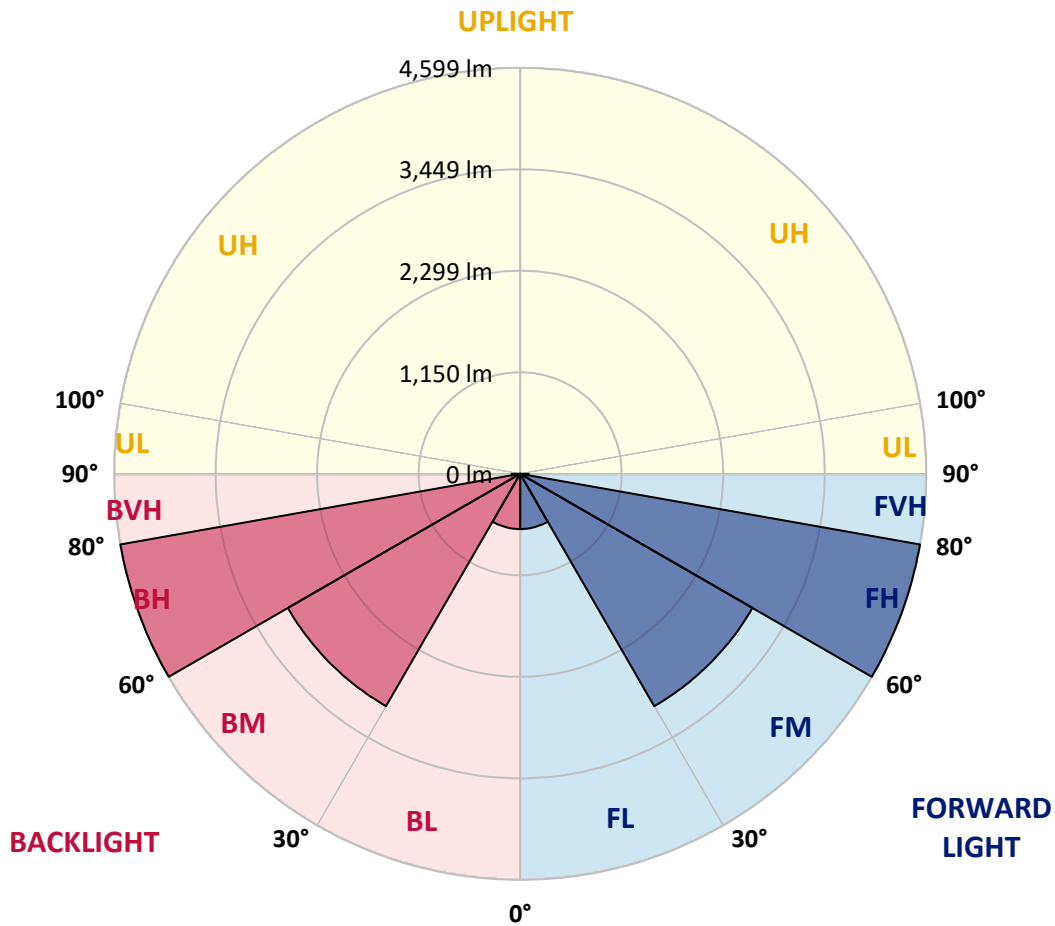
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	625.8	3.7			
FM (30°-60°)	3038.6	18.2			
FH (60°-80°)	4598.6	27.5			G2/5000
FVH (80°-90°)	95.5	0.6			G1/100
BL (0°-30°)	625.8	3.7	B2/1000		
BM (30°-60°)	3038.6	18.2	B3/5000		
BH (60°-80°)	4598.6	27.5	B4/5000		G2/5000
BVH (80°-90°)	95.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1524.9	1524.9	1524.9	1524.9	1524.9	1524.9	1524.9	1524.9	1524.9	1524.9	1524.9
2.5°	1515.4	1519.7	1518.0	1514.5	1514.5	1511.9	1514.5	1516.2	1518.8	1520.6	1519.7
5°	1495.4	1498.9	1498.0	1495.4	1496.3	1493.6	1495.4	1498.0	1499.7	1500.6	1500.6
7.5°	1478.0	1481.5	1479.7	1475.4	1475.4	1472.8	1473.7	1476.3	1478.9	1479.7	1479.7
10°	1473.7	1477.1	1471.9	1465.0	1462.4	1458.9	1459.8	1462.4	1467.6	1470.2	1470.2
12.5°	1475.4	1478.0	1472.8	1462.4	1459.8	1456.3	1456.3	1458.9	1465.8	1469.3	1470.2
15°	1480.6	1483.2	1475.4	1464.1	1461.5	1458.9	1458.0	1461.5	1469.3	1475.4	1476.3
17.5°	1490.2	1492.8	1480.6	1465.0	1461.5	1462.4	1461.5	1464.1	1476.3	1487.6	1487.6
20°	1498.9	1500.6	1484.1	1465.0	1461.5	1462.4	1461.5	1466.7	1482.4	1498.0	1498.9
22.5°	1501.5	1503.2	1487.6	1471.1	1468.4	1469.3	1468.4	1473.7	1488.4	1504.1	1504.1
25°	1502.3	1504.9	1492.8	1479.7	1484.1	1485.8	1484.1	1485.0	1496.3	1510.2	1509.3
27.5°	1515.4	1518.8	1507.5	1496.3	1498.9	1498.0	1500.6	1503.2	1511.9	1525.8	1522.3
30°	1542.3	1544.9	1535.4	1524.1	1522.3	1516.2	1524.1	1532.7	1542.3	1554.5	1551.9
32.5°	1586.6	1591.8	1579.7	1567.5	1559.7	1556.2	1562.3	1577.1	1590.1	1603.1	1597.9
35°	1660.5	1664.0	1652.7	1630.1	1616.2	1616.2	1621.4	1640.5	1661.3	1677.9	1671.8
37.5°	1764.7	1769.1	1749.1	1722.2	1701.3	1701.3	1708.3	1728.3	1759.5	1783.0	1774.3
40°	1891.6	1897.7	1872.5	1844.7	1824.7	1821.2	1829.9	1852.5	1882.0	1911.6	1902.0
42.5°	2044.5	2051.5	2018.5	1994.1	1978.5	1978.5	1982.8	2003.7	2030.6	2067.1	2064.5
45°	2240.0	2252.2	2207.0	2182.7	2167.9	2171.4	2174.0	2192.2	2216.6	2258.3	2256.5
47.5°	2472.9	2485.1	2437.3	2412.1	2409.5	2426.0	2415.6	2428.6	2441.6	2489.4	2475.5
50°	2737.0	2757.9	2724.9	2723.1	2728.4	2758.8	2734.4	2741.4	2726.6	2757.0	2738.8
52.5°	3060.3	3090.7	3084.6	3095.0	3153.3	3215.8	3160.2	3135.9	3080.3	3089.8	3057.7
55°	3452.2	3498.2	3506.9	3569.5	3701.5	3829.3	3711.1	3612.9	3494.7	3473.0	3439.1
57.5°	3897.9	3934.4	3976.1	4103.8	4350.6	4577.4	4350.6	4133.4	3947.4	3903.1	3871.8
60°	4377.5	4422.7	4462.7	4651.2	5017.9	5336.8	5011.0	4666.0	4420.1	4360.2	4308.0
62.5°	4892.8	4951.0	4978.8	5188.2	5615.7	5996.3	5621.8	5203.9	4931.0	4866.7	4814.6
65°	5387.2	5435.0	5466.3	5689.6	6098.0	6479.4	6125.8	5713.9	5433.3	5349.0	5307.3
67.5°	5617.5	5643.5	5720.0	5972.8	6403.8	6839.1	6476.8	5999.8	5686.1	5538.4	5540.1
70°	5280.3	5227.3	5411.5	5816.4	6440.3	7059.8	6523.7	5804.3	5420.2	5180.4	5237.8
72.5°	4080.4	3989.1	4308.9	5001.4	6023.2	6919.1	6065.0	5040.5	4507.9	4021.3	4142.1
75°	2220.1	2116.7	2558.1	3433.9	4803.3	5997.2	4913.7	3532.1	2848.3	2203.5	2346.9
77.5°	626.5	587.4	943.6	1661.3	2889.1	4210.7	3000.3	1697.8	1119.1	663.8	737.7
80°	192.0	185.9	252.0	500.5	1226.9	2016.7	1179.1	506.6	320.6	202.5	213.8
82.5°	113.8	104.3	125.1	182.5	312.8	633.4	304.1	190.3	152.9	102.5	111.2
85°	65.2	60.8	73.9	88.6	105.1	134.7	87.8	90.4	81.7	54.7	57.3
87.5°	26.9	24.3	28.7	27.8	24.3	31.3	23.5	27.8	33.0	21.7	20.0
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)