

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: P961827

Luminaire Tested: **NVN-SB2B-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P961827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB2B-722-U-RW
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9818.5 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

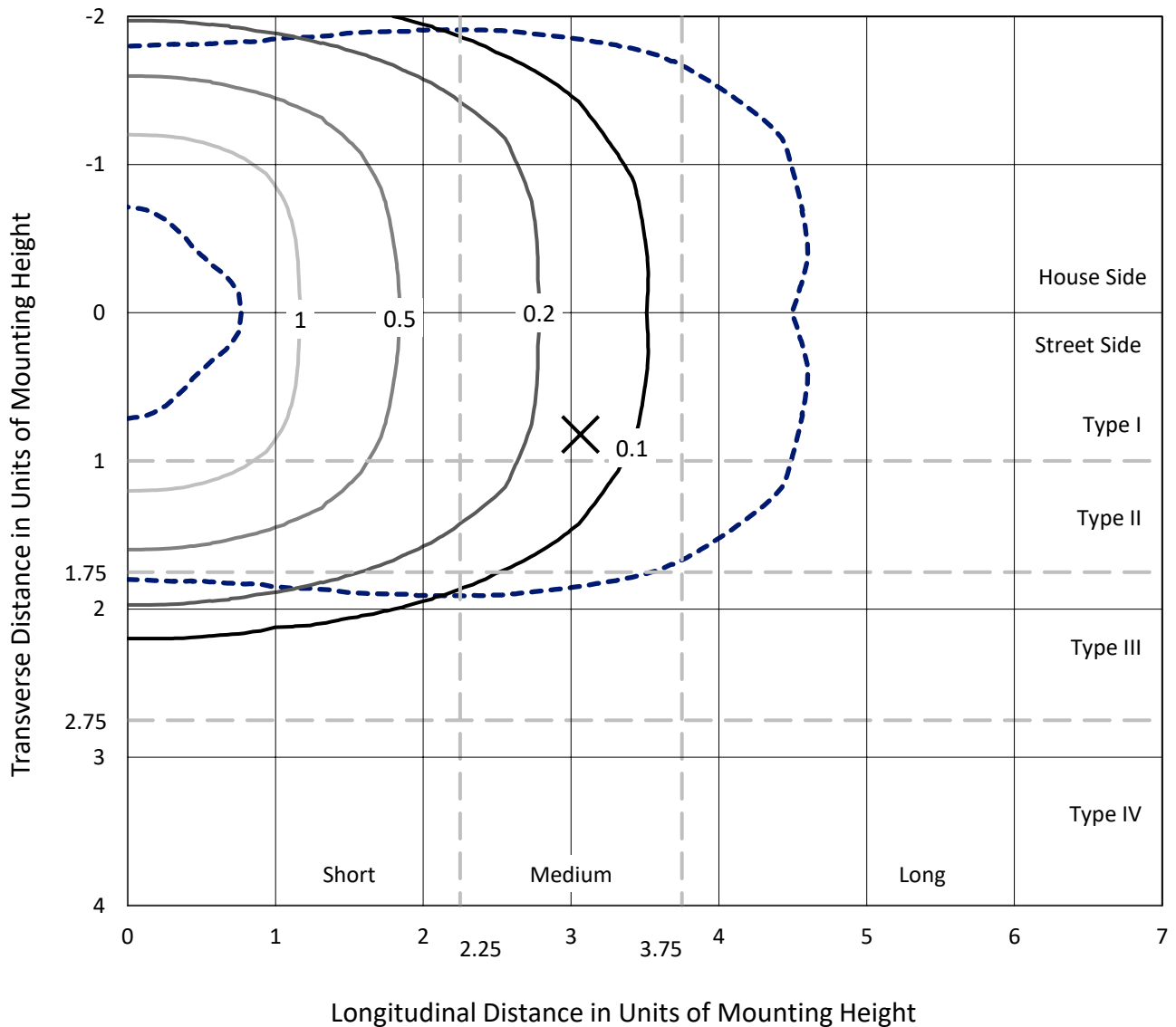
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

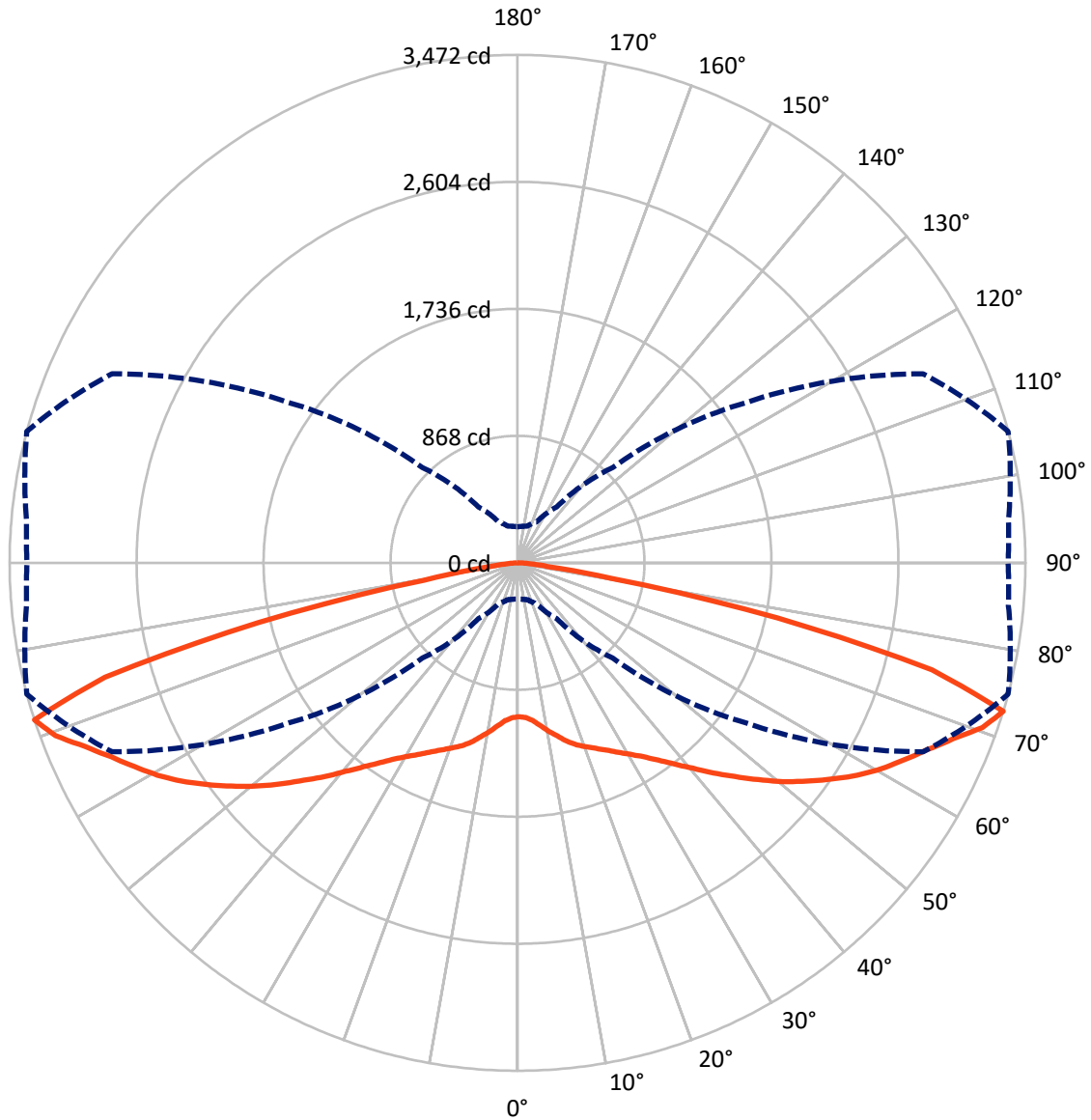
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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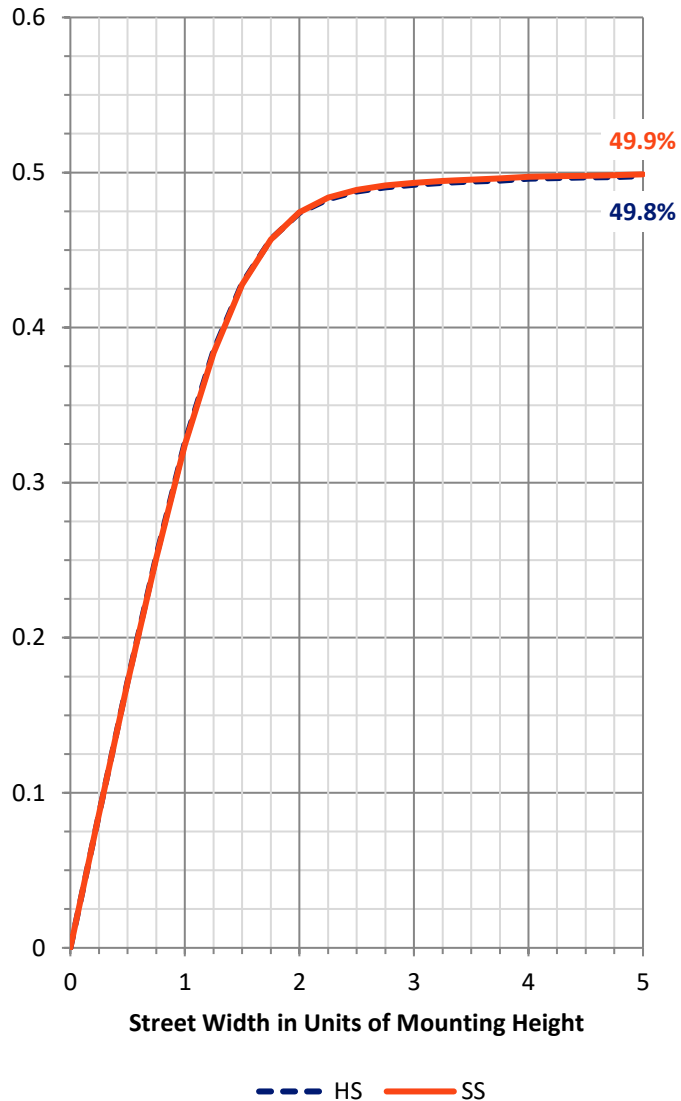
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4909.2	0.0	4909.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4909.2	0.0	4909.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9818.5	0.0	9818.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	1.0
10°-20°	339.8	3.5
20°-30°	656.6	6.7
30°-40°	1108.7	11.3
40°-50°	1758.3	17.9
50°-60°	2354.1	24.0
60°-70°	2240.4	22.8
70°-80°	1169.1	11.9
80°-90°	88.5	0.9
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°	9818.5	100.0
0°-180°	9818.5	100.0

Coefficient of Utilization

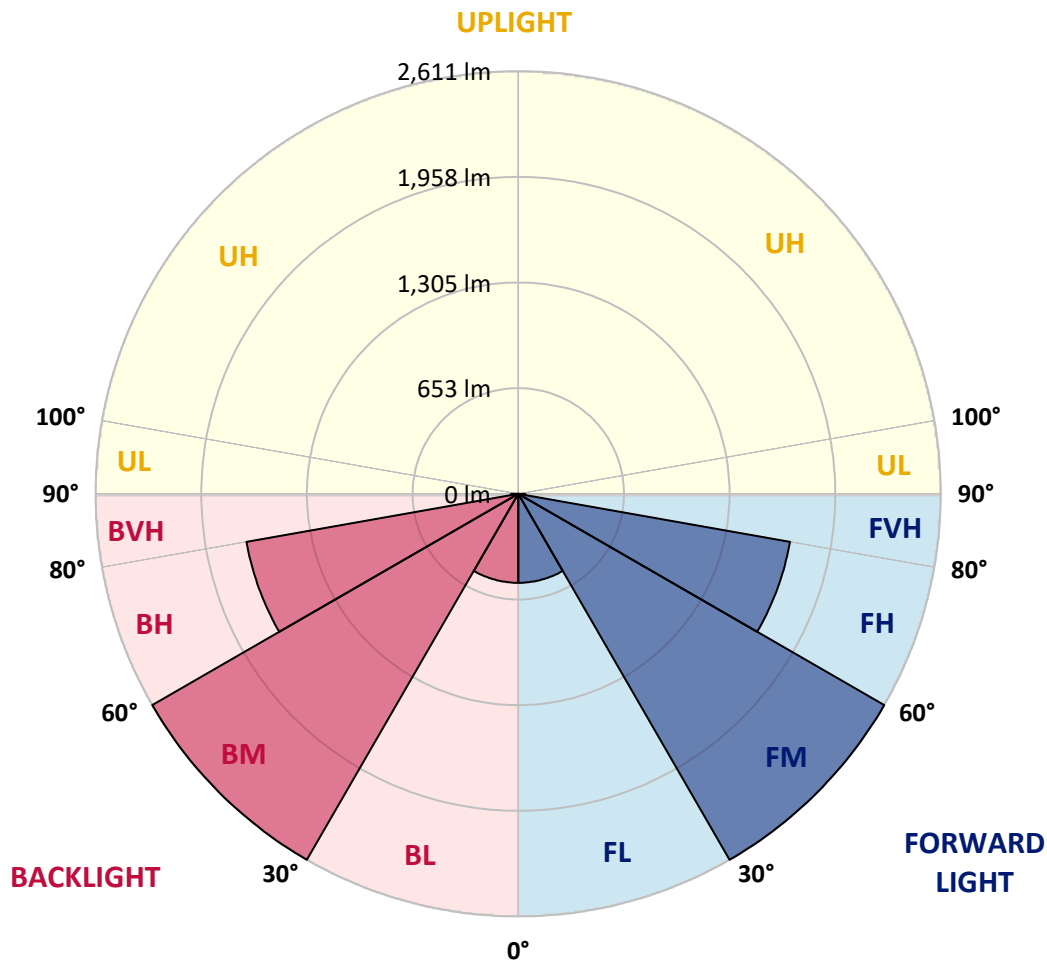


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	549.7	5.6			
FM (30°-60°)	2610.6	26.6			
FH (60°-80°)	1704.7	17.4			G1/1800
FVH (80°-90°)	44.2	0.5			G1/100
BL (0°-30°)	549.7	5.6	B2/1000		
BM (30°-60°)	2610.6	26.6	B3/5000		
BH (60°-80°)	1704.7	17.4	B3/2500		G3/2500
BVH (80°-90°)	44.2	0.5			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8	1051.8
2.5°	1051.8	1050.7	1051.8	1052.8	1052.3	1052.3	1054.7	1056.3	1059.2	1058.7	1058.2
5°	1044.7	1044.2	1048.3	1052.8	1056.3	1062.3	1069.8	1075.3	1082.3	1083.8	1083.8
7.5°	1041.2	1039.7	1046.7	1054.7	1065.8	1080.8	1095.3	1110.4	1122.4	1126.5	1127.4
10°	1043.8	1044.2	1053.7	1068.8	1086.3	1107.4	1127.9	1153.5	1170.6	1174.5	1178.5
12.5°	1055.2	1054.2	1070.3	1094.4	1118.4	1145.0	1169.0	1197.1	1215.6	1225.2	1229.2
15°	1076.2	1074.3	1096.9	1132.4	1167.6	1198.6	1218.2	1244.8	1266.3	1278.3	1282.8
17.5°	1101.4	1102.4	1131.9	1178.0	1224.2	1259.3	1277.9	1291.4	1307.9	1318.5	1323.5
20°	1145.4	1147.5	1180.6	1235.2	1287.8	1328.0	1343.0	1337.9	1342.4	1350.5	1356.5
22.5°	1204.7	1205.6	1242.7	1301.9	1357.0	1401.2	1411.2	1390.6	1378.1	1383.6	1387.6
25°	1273.4	1279.8	1316.9	1377.6	1434.2	1476.3	1480.8	1449.8	1418.7	1420.2	1422.7
27.5°	1357.0	1363.0	1400.7	1460.8	1518.4	1555.0	1554.5	1512.9	1467.3	1455.8	1459.3
30°	1447.8	1454.3	1492.9	1555.0	1608.6	1640.7	1633.7	1584.1	1518.9	1497.4	1499.9
32.5°	1555.5	1559.5	1598.7	1660.8	1710.4	1736.0	1721.5	1660.3	1579.1	1554.5	1560.6
35°	1685.9	1691.9	1721.0	1779.6	1823.3	1844.3	1819.7	1747.5	1656.3	1628.7	1632.7
37.5°	1834.7	1830.8	1863.9	1916.0	1952.1	1965.1	1931.5	1845.8	1744.6	1712.0	1718.0
40°	1990.1	1988.2	2024.3	2074.4	2094.0	2102.0	2052.4	1958.6	1846.3	1811.2	1822.8
42.5°	2131.1	2129.5	2178.1	2233.8	2257.4	2248.3	2185.7	2078.4	1964.1	1924.0	1934.1
45°	2243.8	2241.8	2301.4	2379.6	2425.8	2410.8	2326.5	2210.7	2083.4	2041.8	2051.3
47.5°	2330.5	2331.6	2395.7	2492.5	2573.2	2578.7	2470.5	2345.6	2214.7	2167.7	2181.7
50°	2393.3	2396.2	2464.9	2572.2	2682.4	2731.1	2617.3	2484.0	2350.6	2297.4	2313.5
52.5°	2408.8	2414.3	2497.0	2622.8	2752.6	2845.4	2766.7	2616.8	2479.5	2428.8	2441.9
55°	2326.0	2337.1	2441.9	2618.8	2795.8	2920.6	2898.1	2751.6	2609.2	2557.2	2571.7
57.5°	2136.1	2151.6	2274.0	2505.0	2786.3	2972.2	2999.8	2881.0	2739.1	2689.0	2700.6
60°	1869.9	1888.5	2005.7	2257.9	2651.9	2991.3	3071.5	3006.8	2858.4	2809.8	2820.3
62.5°	1468.3	1492.4	1632.7	1928.5	2368.2	2902.6	3132.6	3120.6	2965.7	2905.1	2912.0
65°	942.0	967.5	1115.4	1464.8	1989.6	2630.9	3151.7	3231.4	3079.0	2994.3	3004.8
67.5°	568.0	579.5	652.7	887.9	1454.3	2221.3	2990.2	3354.2	3211.3	3106.1	3114.1
70°	363.5	369.9	413.6	521.3	822.2	1620.7	2590.3	3377.3	3371.7	3220.9	3219.8
72.5°	246.6	248.7	260.1	308.8	465.2	920.9	1910.5	3057.5	3472.0	3368.8	3352.7
75°	180.5	191.5	210.0	218.5	264.1	460.2	1094.8	2148.1	2926.1	2971.3	2861.9
77.5°	134.4	134.9	160.4	170.5	188.5	245.2	463.2	1199.1	1816.7	1907.4	1701.4
80°	113.8	107.8	107.3	137.4	141.9	152.9	207.0	414.1	650.7	394.5	298.3
82.5°	94.7	88.3	79.7	107.3	96.8	93.8	89.7	168.4	207.0	101.8	86.7
85°	66.2	63.1	60.2	70.2	55.1	47.2	43.2	78.7	87.2	43.2	38.1
87.5°	28.6	29.6	30.0	31.1	23.1	16.5	16.5	22.0	22.0	17.0	12.5
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)