

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: P961017

Luminaire Tested: **NVN-SB1D-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P961017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB1D-830-U-5NQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

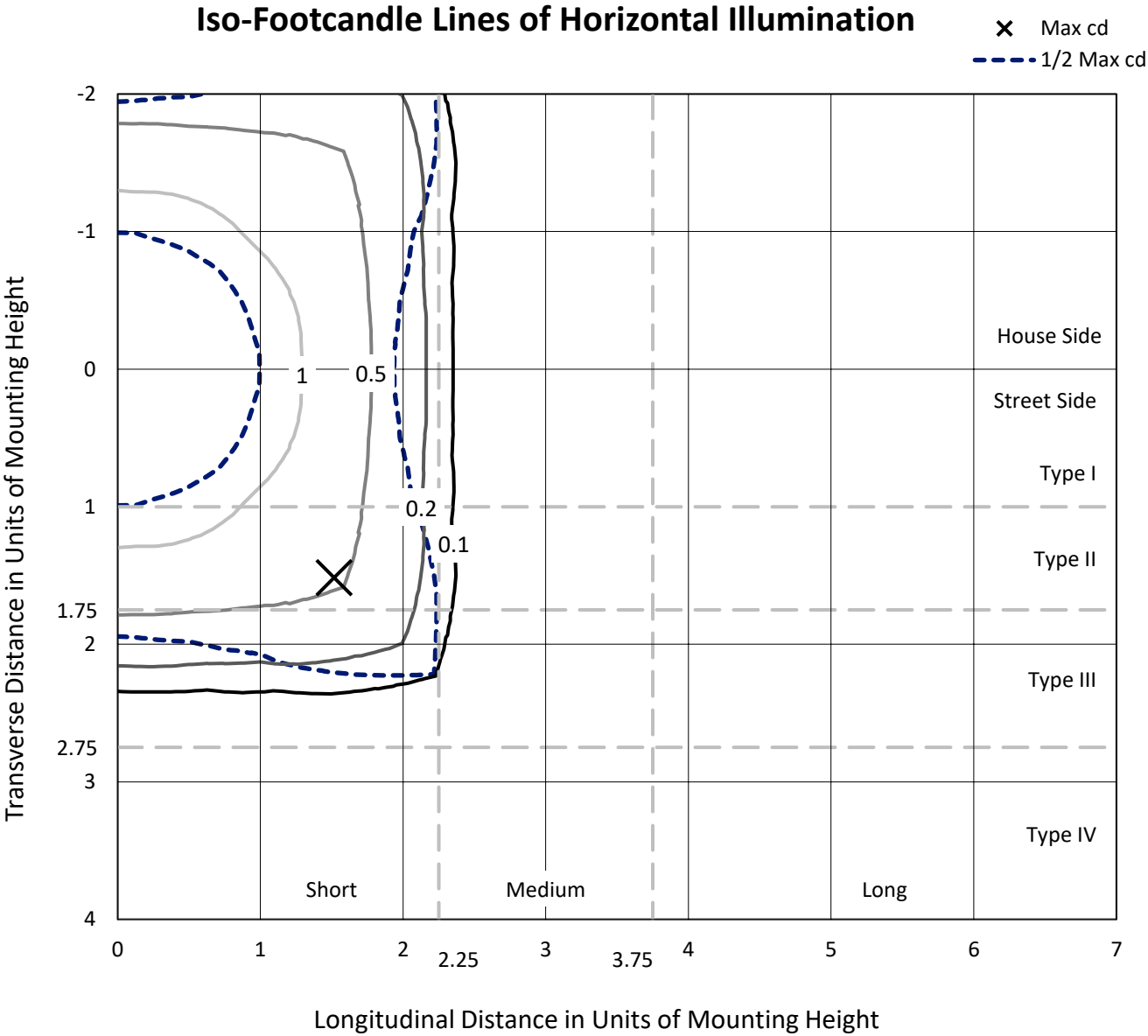
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9824.6 lumens
Efficiency: N/A
Efficacy: 123.4 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): 79.6
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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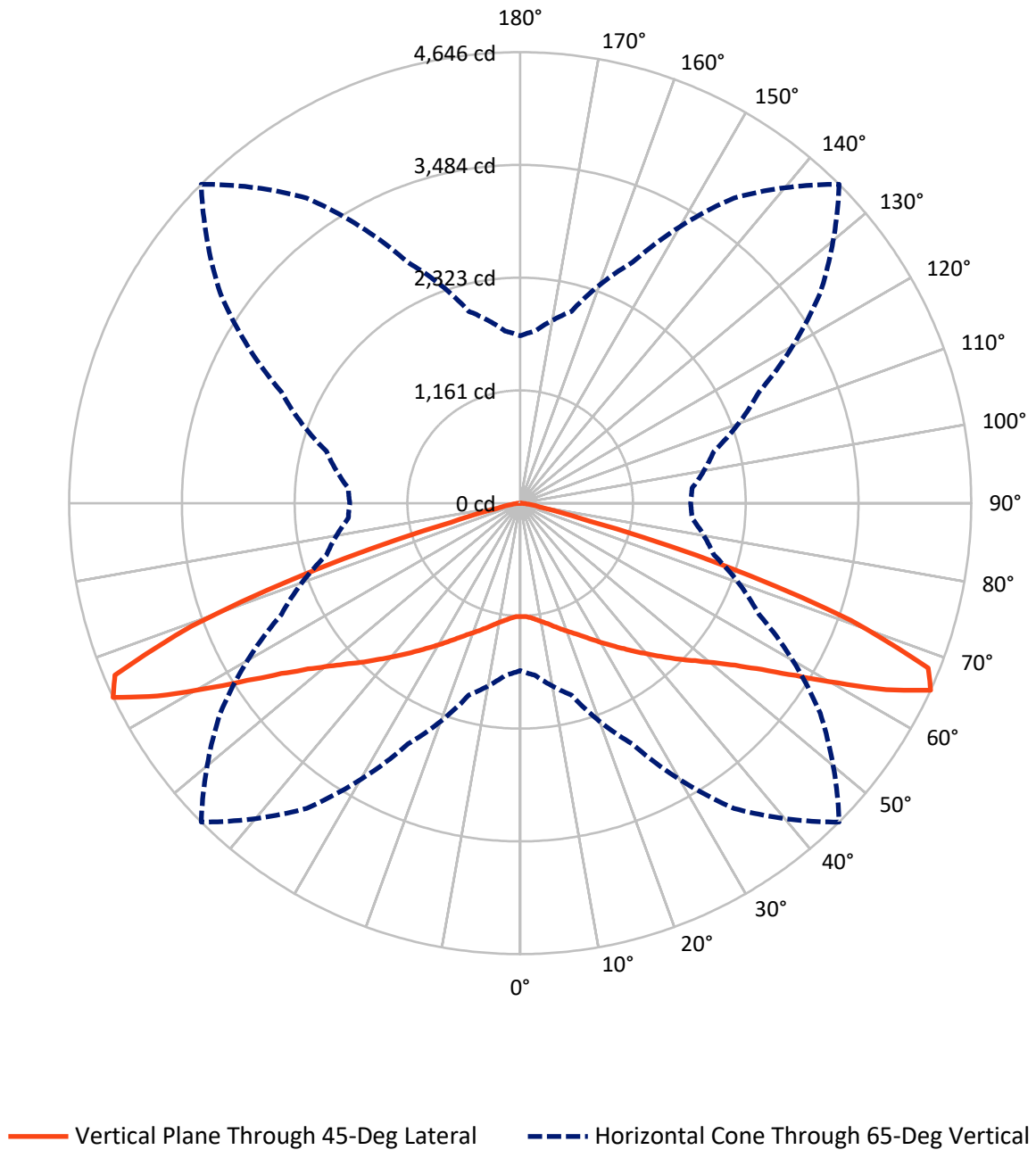


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4912.3	0.0	4912.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4912.3	0.0	4912.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	9824.6	0.0	9824.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.4	1.2
10°-20°	376.5	3.8
20°-30°	710.9	7.2
30°-40°	1164.1	11.8
40°-50°	1805.0	18.4
50°-60°	2666.4	27.1
60°-70°	2538.1	25.8
70°-80°	409.6	4.2
80°-90°	38.6	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°	9824.6	100.0
0°-180°	9824.6	100.0

Coefficient of Utilization



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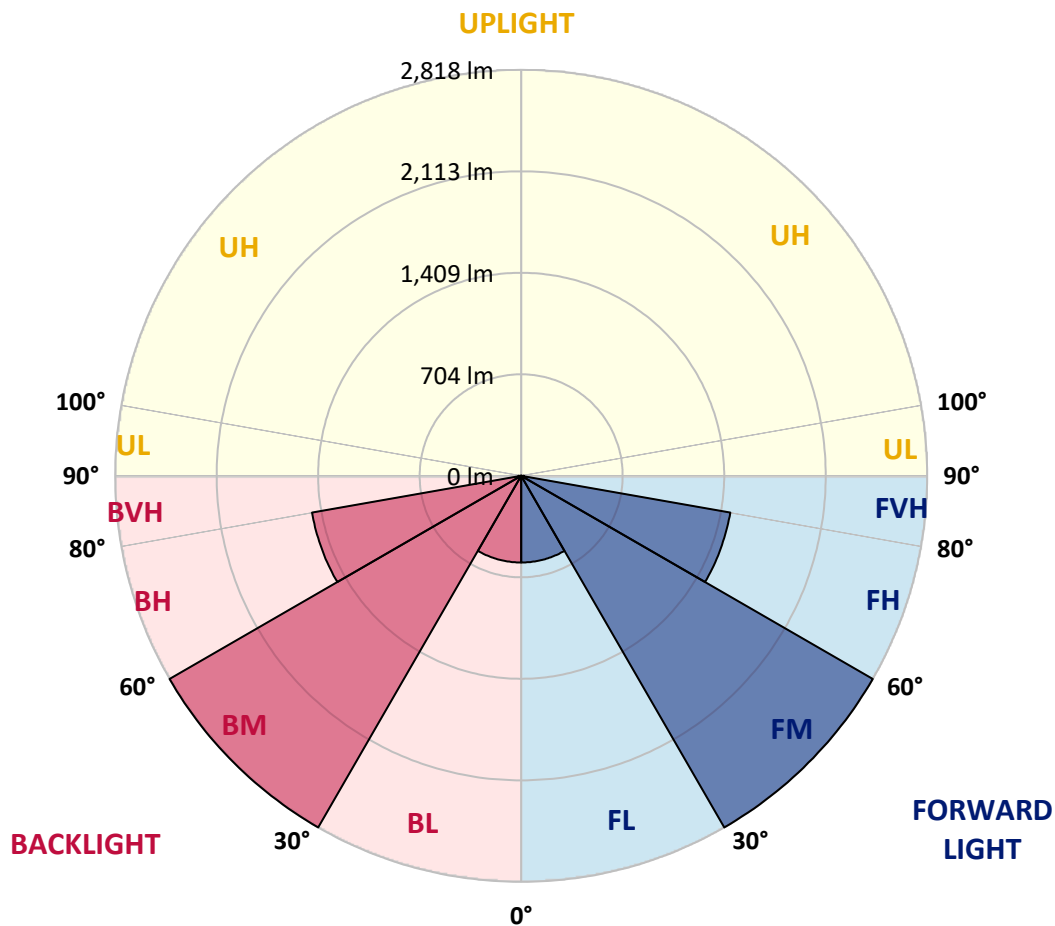
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	601.4	6.1			
FM	(30°-60°)	2817.7	28.7			
FH	(60°-80°)	1473.8	15.0			G1/1800
FVH	(80°-90°)	19.3	0.2			G1/100
BL	(0°-30°)	601.4	6.1	B2/1000		
BM	(30°-60°)	2817.7	28.7	B3/5000		
BH	(60°-80°)	1473.8	15.0	B3/2500		G1/1800
BVH	(80°-90°)	19.3	0.2			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°	1169.2	1169.2	1169.2	1169.2	1169.2	1169.2	1169.2	1169.2	1169.2	1169.2	1169.2
2.5°	1177.1	1173.2	1176.1	1173.6	1171.7	1169.7	1170.8	1174.1	1175.7	1176.1	1176.1
5°	1192.9	1189.4	1190.9	1190.9	1187.5	1186.4	1186.9	1189.4	1192.4	1192.4	1192.4
7.5°	1218.5	1215.0	1218.5	1216.6	1213.6	1212.6	1212.1	1214.1	1218.5	1218.5	1217.1
10°	1249.6	1245.7	1247.6	1246.6	1243.1	1241.7	1241.2	1244.1	1248.1	1247.6	1246.6
12.5°	1283.6	1279.2	1281.7	1278.7	1277.7	1276.2	1276.2	1275.7	1278.2	1276.2	1277.1
15°	1321.5	1318.6	1319.6	1317.6	1319.1	1318.0	1314.2	1312.2	1313.1	1310.3	1310.7
17.5°	1366.4	1359.5	1362.9	1361.9	1361.9	1364.0	1357.5	1355.0	1357.0	1354.1	1356.6
20°	1418.2	1411.2	1412.8	1410.8	1408.4	1410.3	1402.4	1404.4	1405.8	1403.8	1408.4
22.5°	1474.9	1466.0	1465.4	1466.5	1461.0	1461.5	1456.1	1461.0	1464.0	1458.6	1464.0
25°	1533.0	1523.7	1530.0	1527.6	1520.7	1522.1	1518.2	1523.1	1525.6	1518.7	1526.6
27.5°	1594.6	1588.2	1594.2	1595.6	1587.2	1593.2	1587.2	1591.6	1594.2	1583.8	1591.6
30°	1666.5	1660.2	1665.6	1669.5	1659.7	1669.1	1664.1	1667.1	1667.6	1655.3	1662.7
32.5°	1745.0	1735.1	1749.0	1750.9	1740.0	1751.4	1745.0	1749.0	1751.4	1734.6	1746.0
35°	1840.6	1828.3	1844.1	1841.6	1832.2	1841.6	1835.7	1841.6	1847.5	1827.3	1839.6
37.5°	1943.6	1930.8	1947.6	1943.1	1934.3	1940.6	1937.2	1941.1	1950.5	1928.8	1942.2
40°	2057.0	2041.2	2063.9	2056.0	2047.6	2046.6	2048.6	2051.1	2063.4	2039.2	2047.1
42.5°	2178.2	2161.5	2195.5	2183.1	2171.4	2163.5	2169.9	2174.8	2186.6	2159.6	2173.8
45°	2316.8	2297.5	2341.9	2327.2	2308.4	2292.1	2302.5	2309.8	2327.2	2294.6	2311.4
47.5°	2469.5	2447.9	2495.3	2490.8	2460.2	2424.7	2448.4	2469.5	2482.3	2443.0	2456.3
50°	2619.0	2602.2	2664.3	2669.7	2632.2	2582.5	2615.5	2647.6	2651.0	2599.2	2605.7
52.5°	2758.9	2742.2	2832.4	2866.4	2832.9	2773.8	2808.7	2841.2	2815.2	2748.1	2750.1
55°	2870.8	2857.0	2971.9	3059.6	3070.9	3022.1	3042.8	3041.9	2956.1	2853.1	2856.6
57.5°	2898.0	2895.9	3040.9	3226.7	3345.0	3350.9	3310.0	3205.5	3020.7	2882.2	2873.3
60°	2774.7	2787.0	2986.1	3313.9	3629.4	3760.5	3583.6	3285.3	2947.2	2755.0	2732.3
62.5°	2406.0	2438.5	2678.5	3207.5	3859.1	4231.8	3803.0	3164.1	2645.5	2394.6	2379.8
65°	1724.3	1780.9	2046.1	2737.3	3838.4	4645.8	3771.4	2715.0	2065.9	1776.5	1755.3
67.5°	782.3	840.0	1065.2	1874.1	3336.7	4533.5	3328.8	1893.8	1118.5	843.0	830.6
70°	283.4	293.3	365.7	750.2	2132.4	3612.2	2223.6	755.6	388.9	312.5	308.5
72.5°	171.6	173.0	188.3	268.7	740.9	2193.1	772.4	277.6	192.3	170.6	173.5
75°	109.0	107.9	134.1	164.1	262.7	739.8	275.5	164.1	133.6	121.8	122.7
77.5°	78.4	80.9	96.1	122.7	165.6	250.9	162.7	117.4	96.1	78.8	80.4
80°	58.6	60.2	70.0	95.6	116.3	156.2	103.5	86.7	72.5	49.3	50.7
82.5°	42.4	42.4	45.8	69.5	71.0	84.3	56.2	61.1	47.8	35.0	35.0
85°	25.1	24.6	28.6	41.4	37.0	31.1	25.6	37.4	30.0	21.7	21.2
87.5°	8.9	9.3	8.9	11.8	9.8	8.4	7.9	10.4	8.4	7.4	6.9
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)