

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: P959962

Luminaire Tested: **NVN-SB1B-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P959962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB1B-830-U-5MQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5433.5 lumens
Efficiency: N/A
Efficacy: 136.5 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): 39.8
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

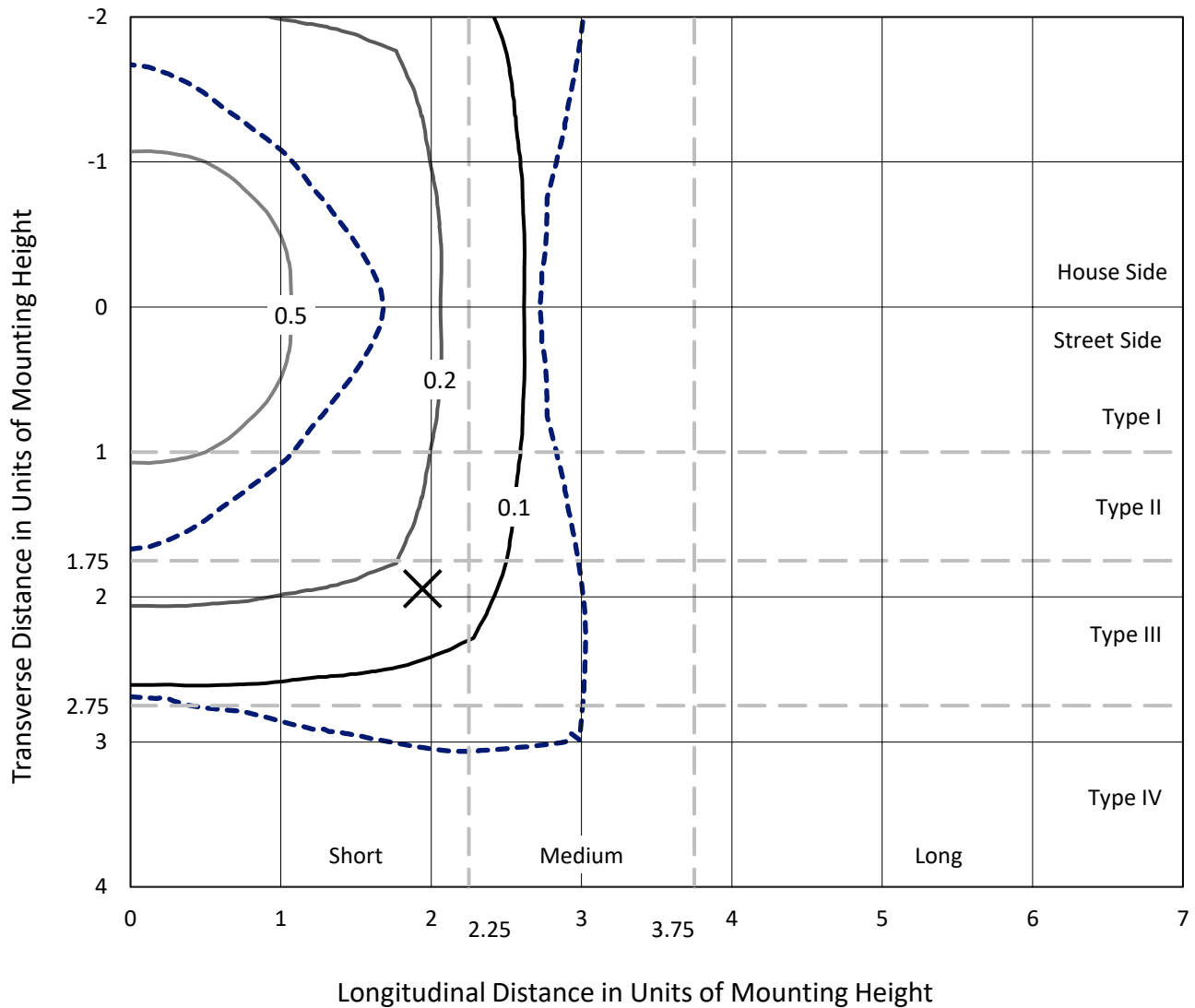


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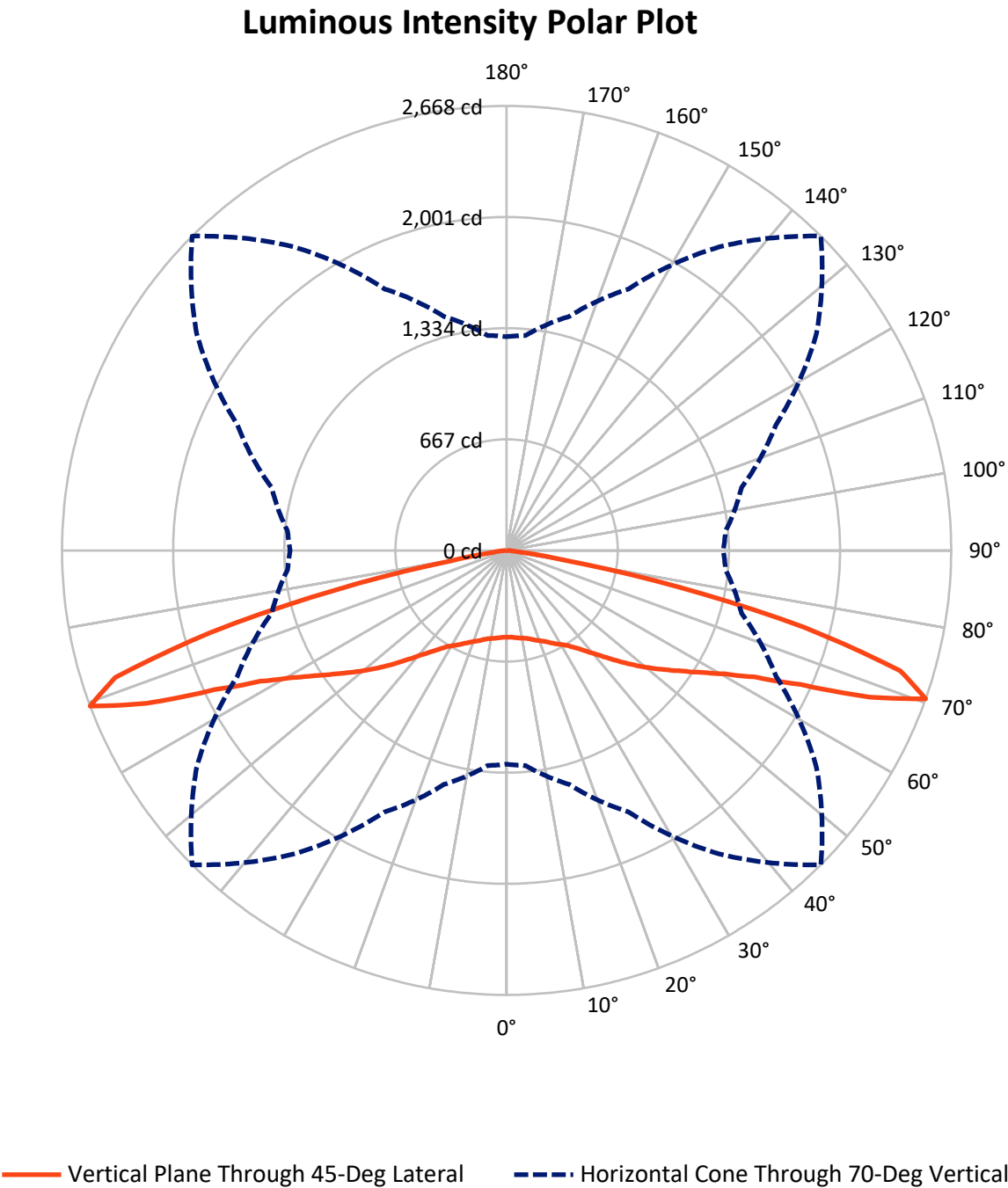
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type V - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2716.8	0.0	2716.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2716.8	0.0	2716.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5433.5	0.0	5433.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	0.9
10°-20°	156.8	2.9
20°-30°	280.2	5.2
30°-40°	454.2	8.4
40°-50°	739.8	13.6
50°-60°	1128.0	20.8
60°-70°	1678.1	30.9
70°-80°	914.6	16.8
80°-90°	31.1	0.6
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°	5433.5	100.0
0°-180°	5433.5	100.0

Coefficient of Utilization



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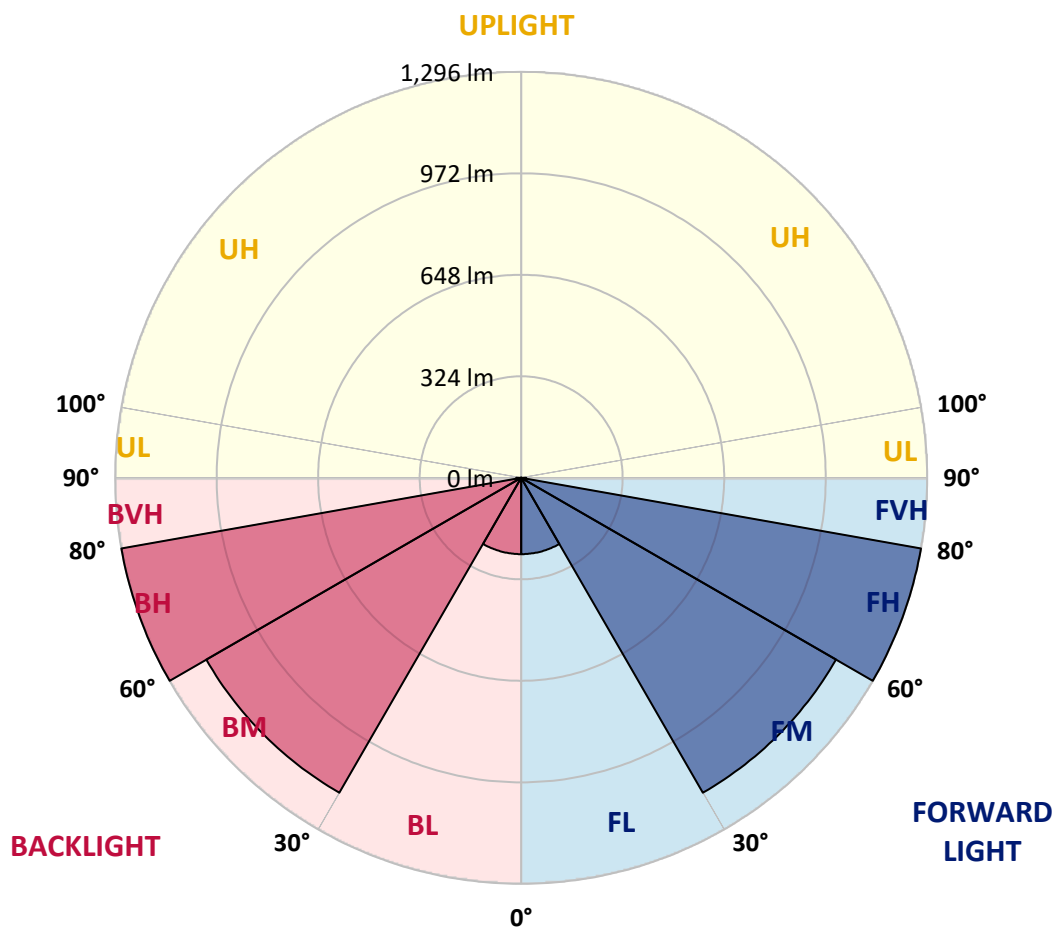
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.8	4.5			
FM	(30°-60°)	1161.0	21.4			
FH	(60°-80°)	1296.4	23.9			G1/1800
FVH	(80°-90°)	15.6	0.3			G1/100
BL	(0°-30°)	243.8	4.5	B1/500		
BM	(30°-60°)	1161.0	21.4	B2/2500		
BH	(60°-80°)	1296.4	23.9	B3/2500		G1/1800
BVH	(80°-90°)	15.6	0.3			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°	520.5	520.5	520.5	520.5	520.5	520.5	520.5	520.5	520.5	520.5	520.5
2.5°	523.0	523.5	522.3	521.8	521.3	520.5	520.7	522.1	523.2	523.0	523.2
5°	527.3	527.9	527.1	526.7	525.6	525.4	525.4	526.7	527.6	527.1	527.3
7.5°	532.2	533.0	531.7	531.4	530.8	530.3	530.0	531.4	532.2	532.2	532.2
10°	536.8	537.6	536.6	535.8	535.3	535.3	534.6	535.8	537.1	536.8	536.8
12.5°	541.7	542.3	541.2	540.7	540.7	541.5	540.7	541.2	542.3	541.7	541.5
15°	547.8	548.1	547.8	548.6	549.9	552.7	550.2	549.7	550.2	548.9	548.9
17.5°	556.0	556.5	557.6	559.4	561.4	566.3	561.9	560.6	560.6	557.8	557.8
20°	566.0	566.8	568.5	571.7	574.2	578.8	574.5	572.6	571.7	568.3	568.3
22.5°	576.7	578.0	580.5	584.9	589.2	593.6	589.2	586.0	583.5	578.8	578.6
25°	589.0	590.6	594.4	601.5	607.5	613.8	608.5	602.1	597.2	590.6	590.3
27.5°	606.4	608.3	612.9	621.7	629.3	634.8	629.9	621.4	614.6	606.7	606.4
30°	631.0	632.8	638.4	647.6	652.8	656.3	653.0	646.5	638.4	629.3	629.3
32.5°	662.6	665.0	671.1	679.8	680.9	681.4	680.3	677.0	671.1	660.1	660.4
35°	702.7	705.4	712.3	719.3	718.2	719.3	717.7	716.6	712.3	699.7	699.7
37.5°	751.8	755.1	762.2	767.6	764.9	763.5	763.8	764.0	761.6	747.7	747.7
40°	808.8	813.1	818.4	824.1	819.5	815.4	818.1	820.3	818.1	803.9	803.9
42.5°	867.5	873.7	879.1	887.3	883.6	878.3	882.2	884.7	880.0	864.7	865.8
45°	932.6	938.7	945.8	958.1	955.3	949.9	955.3	955.8	947.9	929.9	931.8
47.5°	1000.0	1006.3	1016.9	1033.3	1032.2	1026.2	1033.3	1029.5	1019.4	997.8	996.5
50°	1063.8	1072.6	1089.0	1111.9	1114.1	1106.7	1116.2	1108.8	1091.9	1065.0	1064.4
52.5°	1123.9	1133.1	1159.1	1190.1	1198.1	1188.5	1201.3	1188.5	1163.2	1128.5	1125.2
55°	1186.8	1197.3	1228.1	1268.7	1284.5	1277.5	1289.4	1270.1	1234.1	1192.1	1186.3
57.5°	1261.1	1267.4	1304.2	1352.5	1379.2	1380.9	1386.3	1353.5	1309.9	1262.2	1255.6
60°	1341.5	1350.3	1390.4	1448.2	1490.5	1504.2	1498.4	1449.9	1399.1	1344.3	1335.6
62.5°	1444.6	1454.3	1502.2	1571.5	1638.4	1672.2	1649.8	1579.4	1516.7	1451.0	1439.5
65°	1530.0	1540.7	1627.4	1751.0	1872.7	1940.6	1884.4	1754.8	1641.9	1549.2	1533.9
67.5°	1468.1	1481.2	1617.3	1844.3	2146.9	2349.5	2157.2	1872.2	1650.9	1525.1	1506.3
70°	1283.2	1295.5	1454.3	1731.6	2224.0	2668.1	2270.4	1782.7	1459.4	1318.7	1299.8
72.5°	851.9	891.4	1052.2	1385.0	1985.8	2469.0	2005.5	1356.8	976.0	850.0	822.5
75°	282.6	314.3	423.9	718.0	1330.1	1846.5	1266.3	635.3	335.8	241.7	228.6
77.5°	71.2	82.1	113.2	205.4	530.5	1051.3	477.6	167.8	91.4	63.9	57.0
80°	34.6	38.2	54.5	68.5	132.8	334.2	124.6	64.4	43.0	33.3	30.5
82.5°	19.1	19.4	30.9	38.7	49.4	86.5	51.2	37.6	24.8	20.2	20.2
85°	11.7	11.5	16.4	20.7	20.7	30.9	24.6	20.7	14.1	12.5	13.1
87.5°	4.6	4.6	6.0	6.6	5.7	7.9	6.3	6.9	5.4	5.2	5.4
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)