

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: P959931

Luminaire Tested: **NVN-SB1B-827-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P959931
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-827-U-5MQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

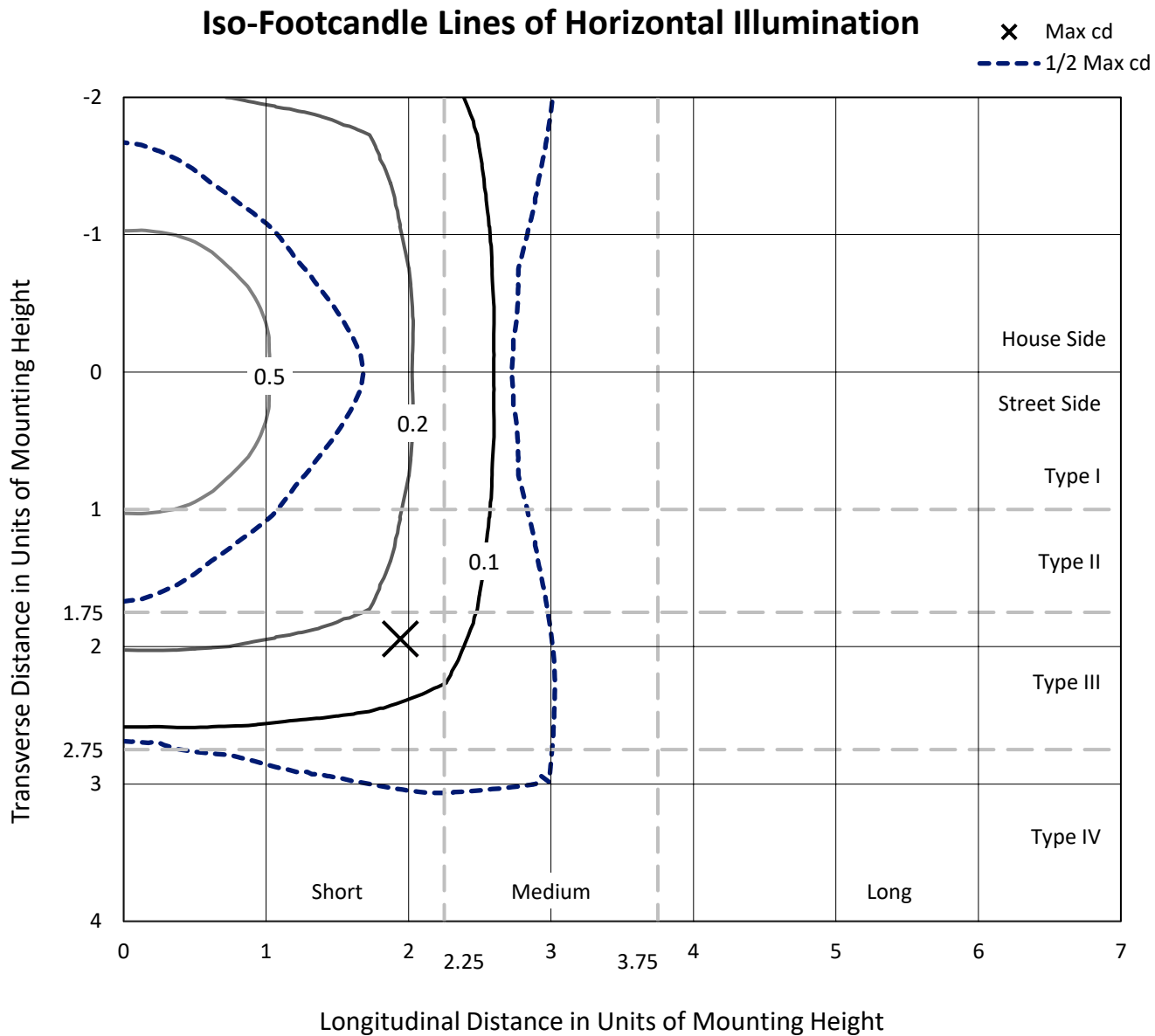
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5258.3 lumens
Efficiency: N/A
Efficacy: 132.1 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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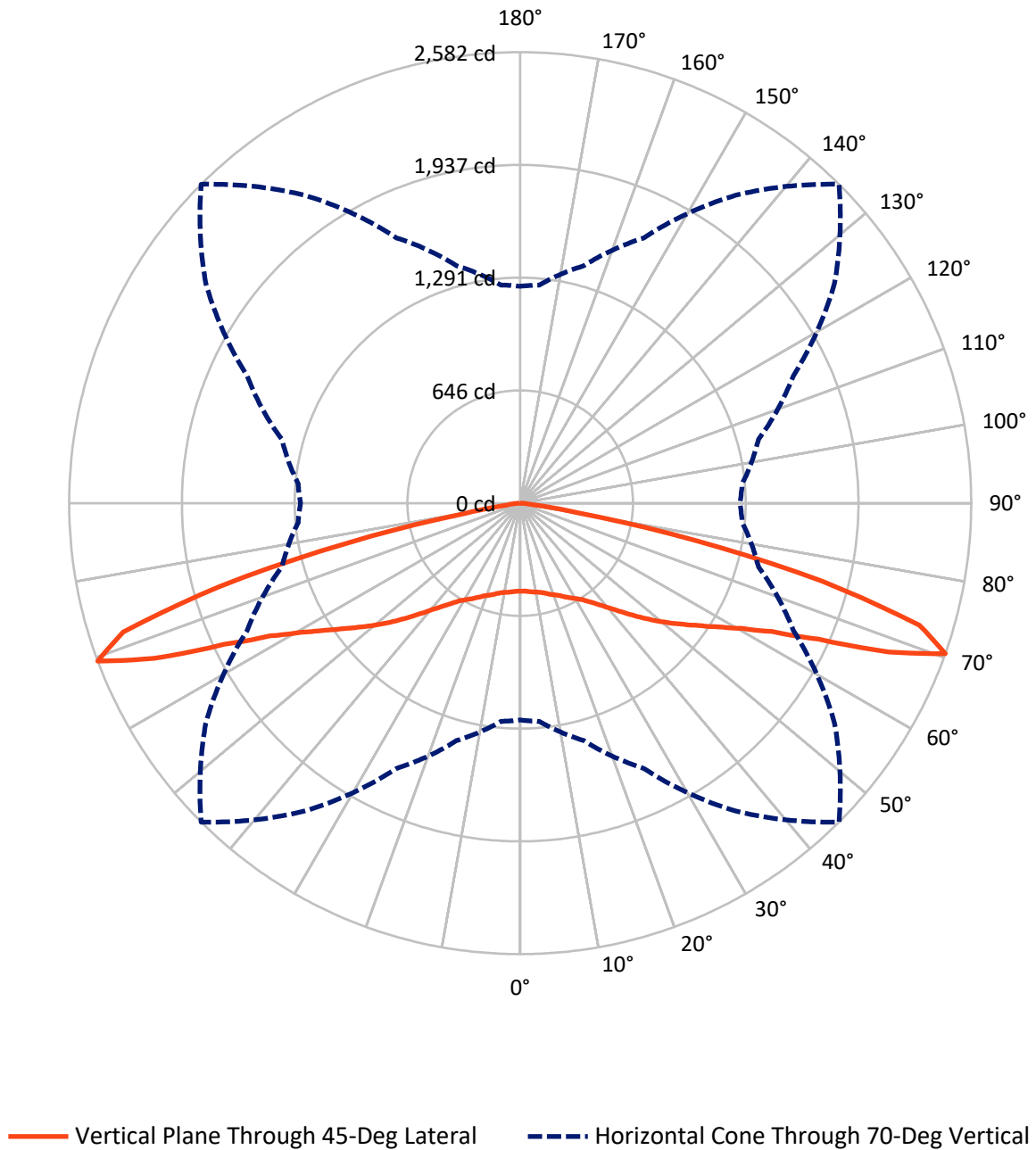


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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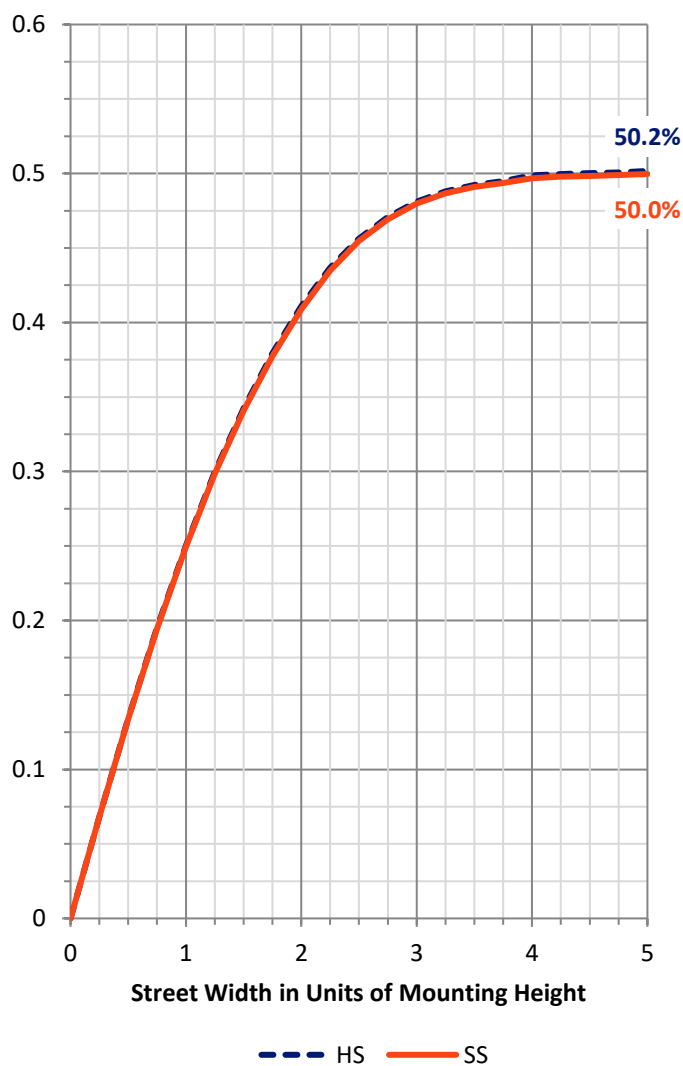
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2629.1	0.0	2629.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2629.1	0.0	2629.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5258.3	0.0	5258.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	0.9
10°-20°	151.7	2.9
20°-30°	271.2	5.2
30°-40°	439.6	8.4
40°-50°	716.0	13.6
50°-60°	1091.6	20.8
60°-70°	1624.0	30.9
70°-80°	885.1	16.8
80°-90°	30.1	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°	5258.3	100.0
0°-180°	5258.3	100.0

Coefficient of Utilization



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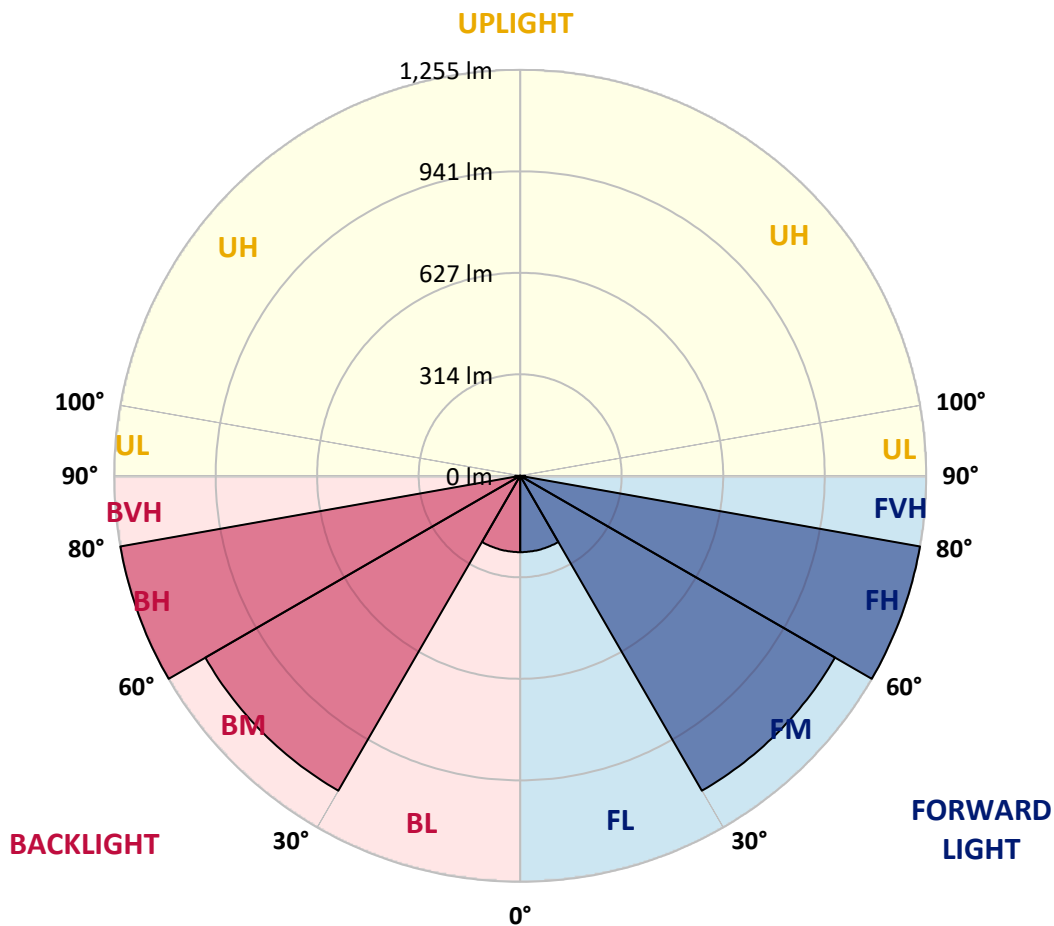
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	235.9	4.5			
FM	(30°-60°)	1123.6	21.4			
FH	(60°-80°)	1254.6	23.9			G1/1800
FVH	(80°-90°)	15.1	0.3			G1/100
BL	(0°-30°)	235.9	4.5	B1/500		
BM	(30°-60°)	1123.6	21.4	B2/2500		
BH	(60°-80°)	1254.6	23.9	B3/2500		G1/1800
BVH	(80°-90°)	15.1	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°	503.7	503.7	503.7	503.7	503.7	503.7	503.7	503.7	503.7	503.7	503.7
2.5°	506.0	506.6	505.5	505.0	504.5	503.7	504.0	505.2	506.4	506.0	506.4
5°	510.2	510.9	510.0	509.7	508.7	508.4	508.4	509.7	510.6	510.0	510.2
7.5°	515.1	515.8	514.6	514.2	513.7	513.2	512.9	514.2	515.1	515.1	515.1
10°	519.6	520.3	519.3	518.4	517.9	517.9	517.4	518.4	519.8	519.6	519.6
12.5°	524.3	524.8	523.8	523.3	523.3	524.0	523.3	523.8	524.8	524.3	524.0
15°	530.1	530.3	530.1	530.8	532.2	534.8	532.5	532.0	532.5	531.2	531.2
17.5°	538.0	538.5	539.6	541.4	543.2	548.1	543.8	542.5	542.5	539.9	539.9
20°	547.8	548.6	550.1	553.3	555.7	560.2	556.0	554.1	553.3	549.9	549.9
22.5°	558.1	559.3	561.8	566.0	570.2	574.4	570.2	567.0	564.7	560.2	560.0
25°	569.9	571.5	575.2	582.1	587.9	594.0	589.0	582.6	577.9	571.5	571.2
27.5°	586.8	588.7	593.2	601.7	609.1	614.3	609.6	601.4	594.8	587.1	586.8
30°	610.6	612.4	617.8	626.7	631.7	635.2	632.0	625.7	617.8	609.1	609.1
32.5°	641.2	643.6	649.4	657.8	658.9	659.5	658.4	655.2	649.4	638.9	639.1
35°	680.0	682.6	689.3	696.2	695.1	696.2	694.5	693.5	689.3	677.1	677.1
37.5°	727.5	730.7	737.6	742.8	740.3	738.9	739.1	739.4	737.1	723.5	723.5
40°	782.7	786.9	791.9	797.6	793.0	789.0	791.7	793.8	791.7	778.0	778.0
42.5°	839.5	845.5	850.9	858.7	855.1	850.0	853.7	856.1	851.6	836.8	837.9
45°	902.6	908.4	915.2	927.1	924.4	919.2	924.4	925.0	917.4	900.0	901.8
47.5°	967.8	973.9	984.1	1000.0	999.0	993.1	1000.0	996.3	986.6	965.7	964.3
50°	1029.5	1038.0	1053.8	1076.0	1078.1	1071.0	1080.2	1073.1	1056.8	1030.6	1030.1
52.5°	1087.6	1096.6	1121.7	1151.8	1159.4	1150.2	1162.6	1150.2	1125.7	1092.1	1089.0
55°	1148.6	1158.7	1188.5	1227.8	1243.1	1236.3	1247.8	1229.1	1194.2	1153.6	1148.1
57.5°	1220.4	1226.5	1262.1	1308.8	1334.8	1336.3	1341.6	1309.9	1267.6	1221.5	1215.1
60°	1298.3	1306.8	1345.5	1401.5	1442.4	1455.6	1450.1	1403.1	1354.0	1300.9	1292.5
62.5°	1398.1	1407.3	1453.8	1520.8	1585.5	1618.3	1596.5	1528.5	1467.8	1404.1	1393.1
65°	1480.7	1491.0	1574.9	1694.5	1812.3	1878.0	1823.6	1698.2	1589.0	1499.2	1484.4
67.5°	1420.8	1433.5	1565.2	1784.8	2077.6	2273.8	2087.6	1811.7	1597.7	1475.9	1457.8
70°	1241.8	1253.7	1407.3	1675.8	2152.3	2582.1	2197.2	1725.2	1412.3	1276.1	1257.9
72.5°	824.4	862.7	1018.2	1340.3	1921.8	2389.4	1940.8	1313.0	944.5	822.6	795.9
75°	273.5	304.1	410.2	694.8	1287.2	1786.9	1225.4	614.8	324.9	233.9	221.2
77.5°	68.9	79.4	109.6	198.7	513.4	1017.4	462.3	162.4	88.5	61.8	55.1
80°	33.5	37.0	52.8	66.2	128.5	323.4	120.6	62.3	41.7	32.2	29.5
82.5°	18.4	18.8	29.8	37.5	47.8	83.6	49.6	36.4	24.0	19.6	19.6
85°	11.4	11.1	15.9	20.1	20.1	29.8	23.8	20.1	13.7	12.1	12.7
87.5°	4.5	4.5	5.8	6.4	5.5	7.7	6.0	6.6	5.3	5.0	5.3
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)