

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: P959210

Luminaire Tested: **NVN-SB1A-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P959210
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB1A-722-U-T3-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2979.7 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

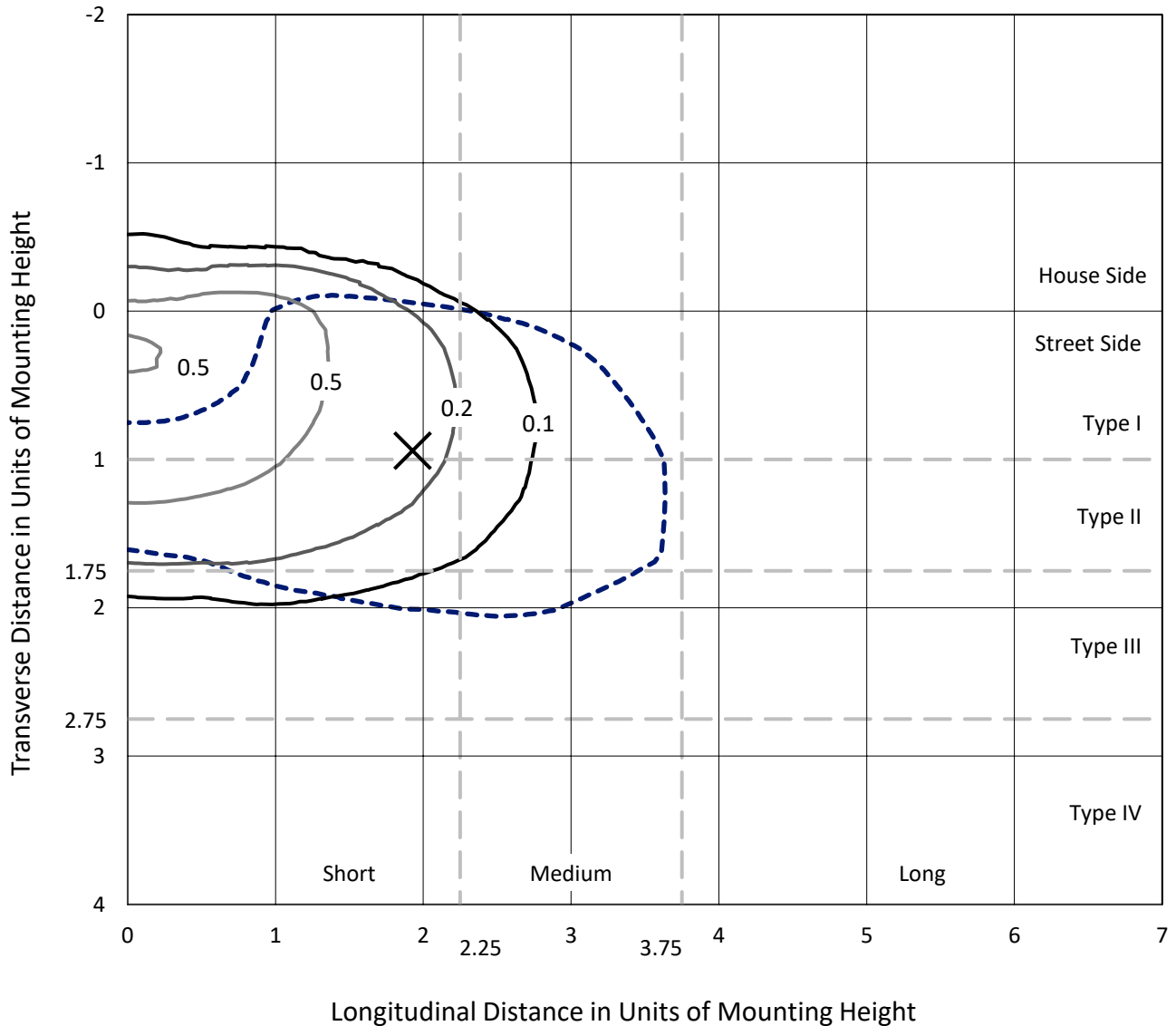
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

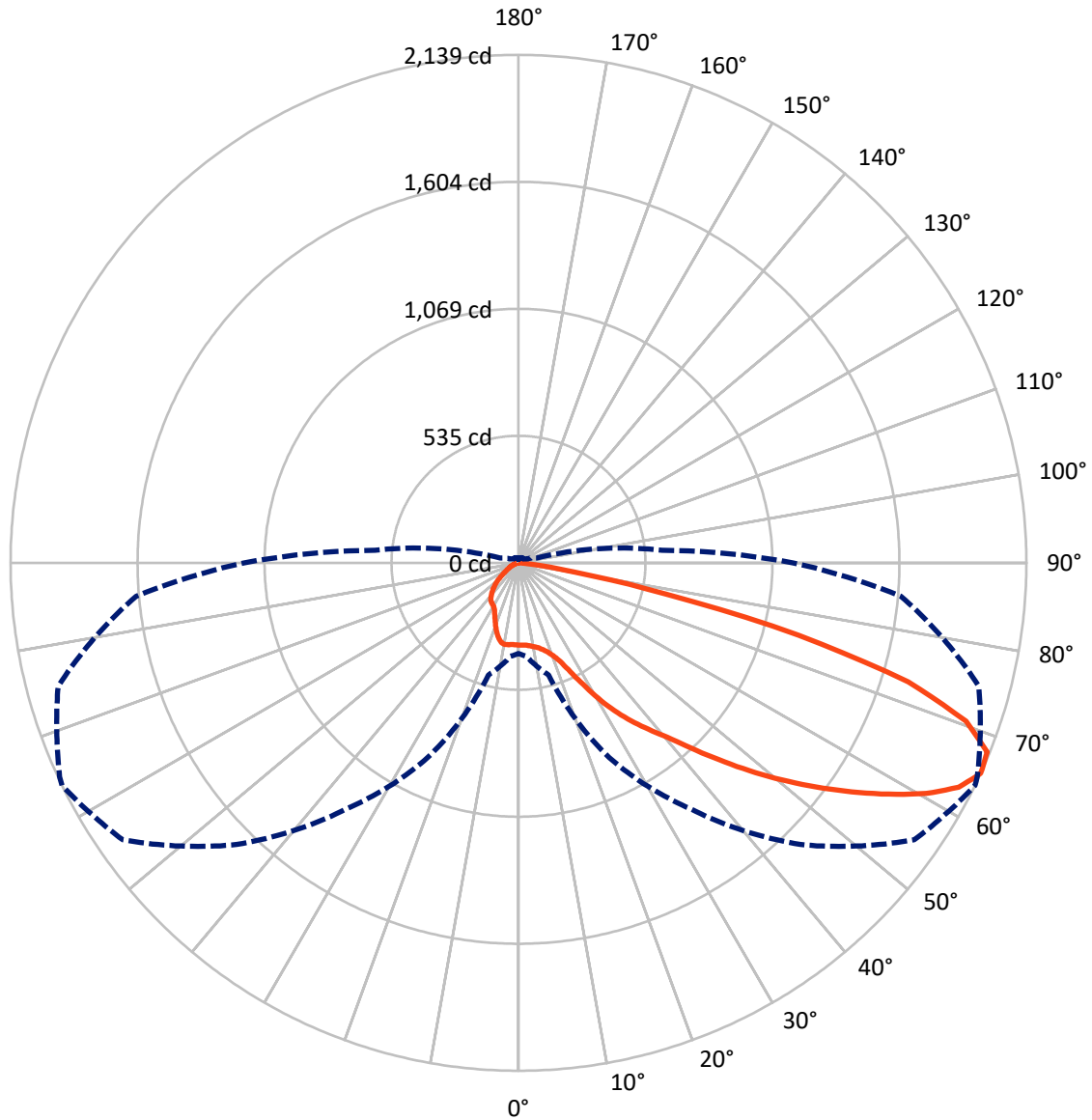
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	398.5	0.0	398.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	2581.2	0.0	2581.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	2979.7	0.0	2979.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	1.1
10°-20°	86.7	2.9
20°-30°	164.3	5.5
30°-40°	332.5	11.2
40°-50°	566.5	19.0
50°-60°	770.4	25.9
60°-70°	723.4	24.3
70°-80°	289.8	9.7
80°-90°	14.0	0.5
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°	2979.7	100.0
0°-180°	2979.7	100.0

Coefficient of Utilization



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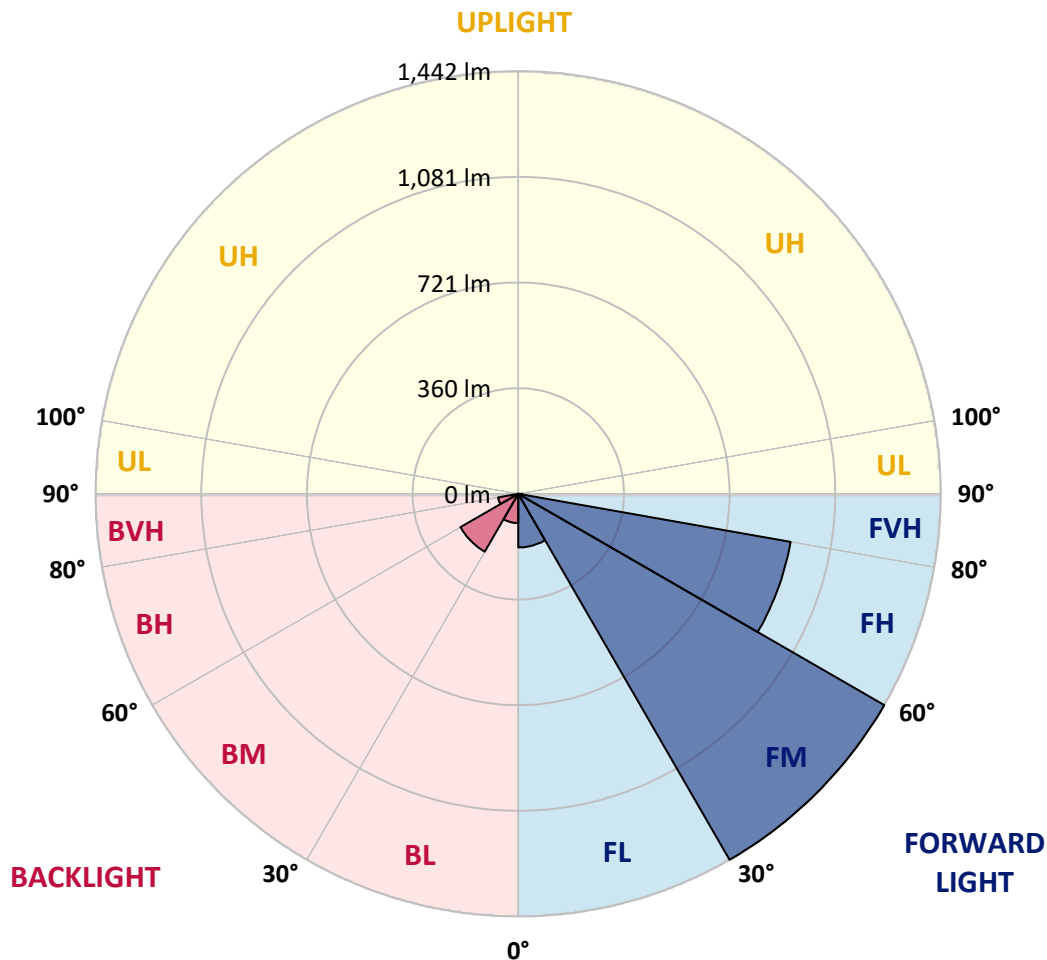
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.0	6.1			
FM (30°-60°)	1441.6	48.4			
FH (60°-80°)	943.3	31.7			G1/1800
FVH (80°-90°)	13.4	0.4			G1/100
BL (0°-30°)	100.0	3.4	B0/110		
BM (30°-60°)	227.8	7.6	B1/1000		
BH (60°-80°)	69.9	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6
2.5°	345.3	347.8	347.2	346.6	346.3	346.8	347.0	346.8	346.8	346.8	347.0
5°	338.8	340.8	340.8	342.1	344.2	346.6	348.4	348.8	349.1	349.7	349.5
7.5°	326.2	327.8	329.0	333.5	338.6	345.0	350.3	353.1	353.5	355.8	356.6
10°	317.6	319.6	321.6	326.4	333.5	343.2	352.4	359.2	360.2	365.3	367.8
12.5°	317.2	319.2	321.7	327.0	335.4	345.5	356.8	366.5	368.4	376.0	380.9
15°	321.4	323.8	326.2	332.6	341.5	353.9	365.9	378.1	380.0	390.7	396.1
17.5°	329.9	333.2	335.0	341.3	351.0	364.7	380.5	394.5	396.1	408.7	415.4
20°	347.0	350.8	351.4	356.6	365.9	380.7	399.5	416.9	418.9	433.3	440.9
22.5°	382.1	387.6	382.7	385.3	393.7	408.5	428.9	450.8	453.7	470.0	476.8
25°	444.0	451.6	439.2	434.9	438.5	453.9	479.4	507.2	510.3	523.6	527.0
27.5°	565.7	555.9	537.1	518.8	508.0	516.8	545.5	579.8	583.8	596.7	592.7
30°	699.4	690.7	665.3	624.6	599.0	597.7	624.2	662.6	667.2	679.4	667.2
32.5°	833.1	824.9	797.4	747.2	702.9	680.9	699.4	741.9	744.3	752.0	734.1
35°	964.8	956.4	928.9	877.5	823.0	773.1	769.5	817.3	818.2	826.4	799.6
37.5°	1097.3	1090.2	1060.9	1010.5	956.8	887.9	854.5	888.9	889.9	897.9	870.1
40°	1191.7	1194.7	1174.5	1135.6	1089.5	1014.1	950.0	965.0	959.0	972.4	955.8
42.5°	1272.8	1278.8	1261.3	1241.7	1214.9	1148.6	1068.3	1065.7	1056.1	1063.2	1046.1
45°	1343.0	1347.9	1332.1	1327.6	1327.0	1280.4	1197.5	1181.9	1168.5	1167.2	1146.6
47.5°	1368.7	1378.3	1385.1	1400.5	1430.4	1410.8	1331.2	1307.0	1292.0	1281.0	1248.4
50°	1378.5	1388.7	1411.8	1456.6	1527.5	1535.9	1464.2	1437.0	1418.6	1398.6	1350.7
52.5°	1365.3	1383.4	1414.6	1489.9	1592.8	1636.2	1591.8	1568.0	1547.0	1514.5	1443.4
55°	1287.6	1305.7	1369.5	1489.5	1625.3	1706.4	1712.5	1701.9	1678.3	1627.0	1518.3
57.5°	1123.8	1150.8	1251.6	1438.8	1624.7	1767.0	1830.8	1838.3	1811.9	1738.4	1577.3
60°	896.9	933.5	1056.5	1326.4	1574.6	1799.8	1934.4	1972.3	1944.3	1848.3	1624.9
62.5°	625.9	668.2	784.6	1150.2	1460.0	1776.2	2010.1	2080.2	2059.0	1946.6	1643.4
65°	381.7	395.3	489.2	905.1	1265.1	1677.5	2033.5	2138.6	2131.5	2006.6	1616.2
67.5°	254.3	265.7	292.6	620.6	982.0	1480.3	1977.5	2128.3	2130.4	1996.9	1516.7
70°	153.2	163.0	180.6	360.9	636.4	1171.8	1804.3	1998.5	2010.1	1866.1	1328.1
72.5°	63.1	69.7	85.7	163.6	329.5	743.6	1436.8	1715.8	1742.8	1569.1	1019.4
75°	35.8	39.2	50.3	82.1	143.0	346.6	870.3	1218.1	1257.9	1081.5	613.3
77.5°	23.8	25.3	32.6	53.1	80.5	118.3	372.0	634.6	710.5	590.7	265.5
80°	16.0	17.4	22.3	35.6	52.4	50.7	118.5	235.1	289.3	203.0	64.7
82.5°	10.8	11.0	16.0	23.4	33.1	24.6	35.0	73.1	91.8	58.7	24.6
85°	6.1	5.9	11.8	13.6	14.8	10.1	10.6	21.9	28.8	24.8	13.9
87.5°	0.8	1.2	4.6	3.6	1.9	2.2	2.2	3.8	5.6	5.9	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6
2.5°	347.0	346.8	346.1	345.5	344.2	343.4	343.8	343.4	343.2	343.4	344.2
5°	349.5	349.0	347.4	345.3	342.6	339.2	337.0	333.7	330.8	329.0	329.4
7.5°	356.6	356.0	353.7	348.2	339.2	325.0	312.0	300.6	292.0	287.0	287.2
10°	367.8	366.7	363.4	351.0	327.4	296.4	270.7	249.3	235.3	228.7	228.2
12.5°	380.9	379.8	373.7	348.4	305.0	256.7	221.1	197.3	184.4	178.6	177.9
15°	396.5	394.9	383.1	336.0	272.4	212.7	180.2	162.4	154.1	148.8	149.0
17.5°	415.8	413.1	390.1	317.4	237.1	179.2	155.0	141.7	134.3	129.3	128.8
20°	441.1	436.4	395.8	295.2	204.6	158.0	138.1	126.8	121.3	116.8	116.0
22.5°	476.2	469.7	402.5	271.2	181.5	143.4	125.5	117.3	112.6	107.6	106.9
25°	519.8	512.0	410.9	249.1	165.7	130.8	116.2	109.5	104.0	98.3	97.7
27.5°	580.7	566.7	420.9	230.9	152.2	120.0	107.8	100.2	94.1	89.3	88.3
30°	648.6	625.7	429.7	220.0	139.8	110.1	96.9	89.3	83.5	80.1	79.5
32.5°	712.9	681.7	435.4	215.1	128.6	98.7	84.9	76.7	72.3	71.3	72.0
35°	773.7	732.5	434.9	210.5	118.7	87.3	73.1	64.7	61.3	61.9	61.9
37.5°	843.6	786.6	430.7	203.4	110.5	76.9	62.9	55.6	52.6	52.7	53.5
40°	924.9	849.1	428.0	189.7	101.5	67.3	54.5	48.6	46.3	45.5	45.3
42.5°	1011.6	909.7	428.4	174.4	90.3	58.7	48.8	43.8	41.7	41.1	41.0
45°	1098.6	967.4	429.1	158.4	78.5	52.2	44.6	40.4	39.2	38.3	38.3
47.5°	1180.5	1016.5	417.9	141.2	66.9	47.2	41.1	38.3	37.3	36.4	36.4
50°	1256.9	1049.3	390.9	121.3	57.7	43.2	38.5	36.6	35.6	34.5	34.5
52.5°	1316.2	1054.5	346.3	100.7	51.4	40.2	37.0	35.2	33.9	33.0	32.8
55°	1342.5	1021.9	283.0	81.5	46.3	37.5	35.4	33.5	32.2	31.2	31.0
57.5°	1335.8	953.5	220.7	65.5	41.5	35.0	33.3	32.2	30.5	29.0	28.8
60°	1302.4	861.7	166.4	54.5	37.1	32.2	31.2	30.1	28.0	25.5	25.2
62.5°	1244.7	746.5	118.7	45.1	32.4	29.0	28.6	27.8	24.6	20.2	19.8
65°	1156.4	606.5	79.9	37.5	27.8	25.3	25.5	24.2	20.0	15.0	14.6
67.5°	1027.4	443.4	51.1	30.7	23.2	21.2	21.4	20.6	17.0	12.8	12.2
70°	862.9	293.7	33.3	23.4	18.6	16.4	17.5	17.7	14.3	10.4	9.9
72.5°	632.6	173.4	23.4	17.4	13.6	11.4	14.3	14.8	11.6	7.8	7.4
75°	360.6	82.3	17.5	12.6	8.4	8.0	11.2	11.2	8.0	5.2	4.8
77.5°	151.4	34.3	12.4	8.2	4.8	4.6	7.6	7.0	4.0	2.4	2.4
80°	43.8	15.4	6.6	4.0	1.9	1.8	3.0	2.2	1.0	0.4	0.4
82.5°	17.2	6.8	2.6	1.6	0.8	0.8	0.4	0.0	0.0	0.0	0.0
85°	10.1	2.8	1.2	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)