

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: P959197

Luminaire Tested: **NVN-SB1A-722-U-SL4-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P959197  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB1A-722-U-SL4-HSS  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2652.7 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

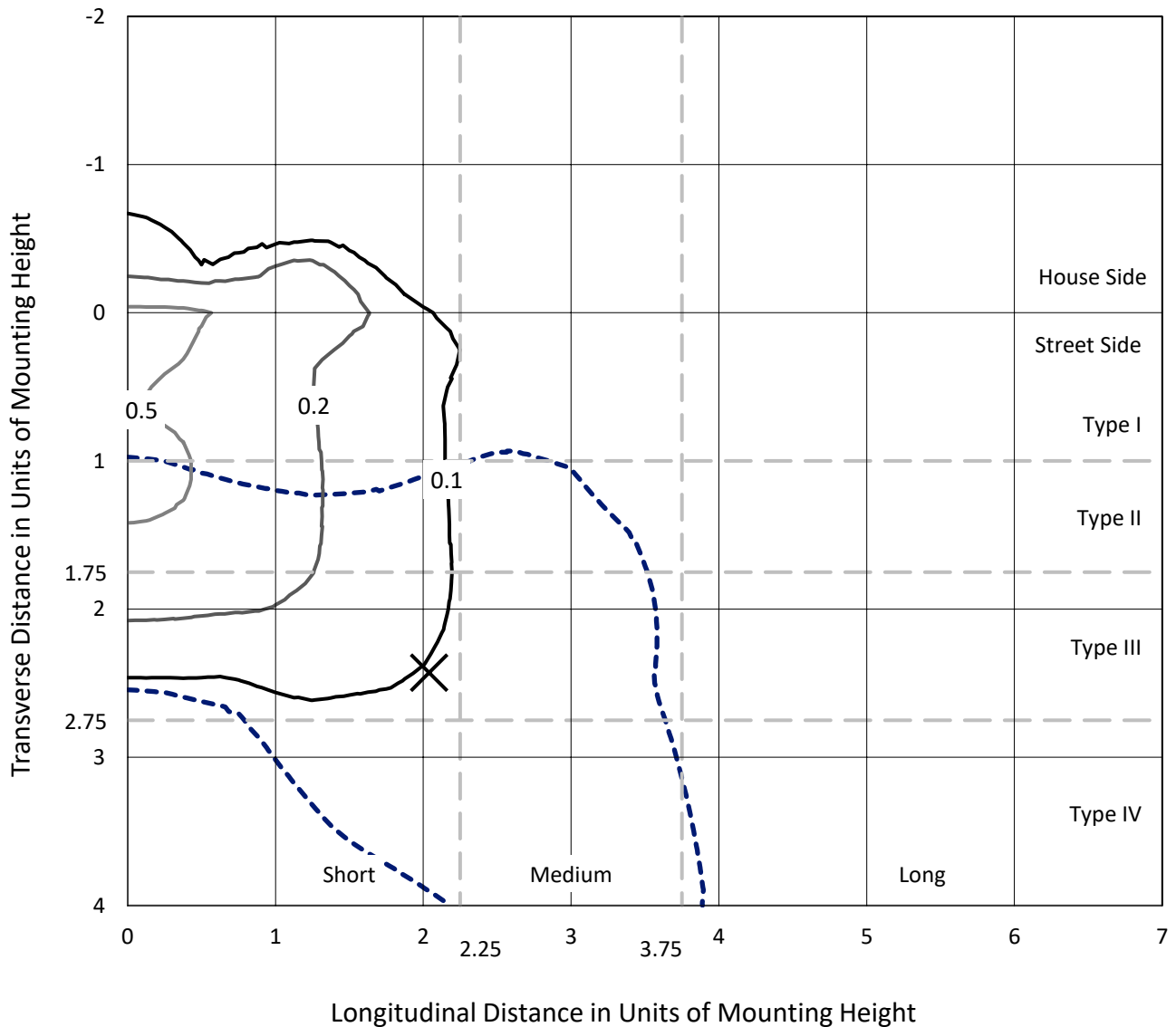
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

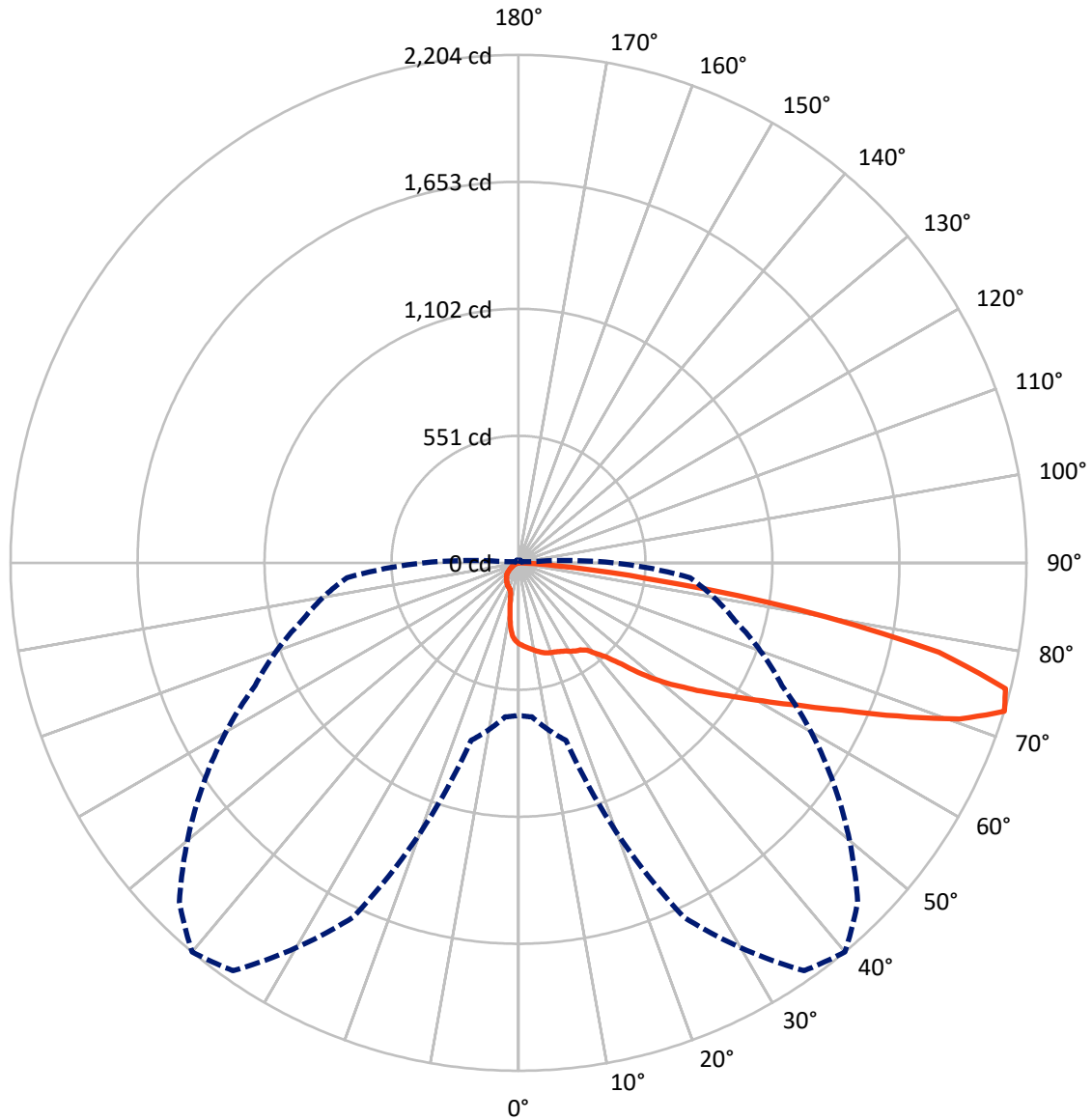
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	342.6	0.0	342.6
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	2310.1	0.0	2310.1
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	2652.7	0.0	2652.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.1	1.2
10°-20°	87.1	3.3
20°-30°	141.0	5.3
30°-40°	208.1	7.8
40°-50°	350.2	13.2
50°-60°	543.8	20.5
60°-70°	680.5	25.7
70°-80°	557.1	21.0
80°-90°	52.8	2.0
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°	2652.7	100.0
0°-180°	2652.7	100.0

**Coefficient of Utilization**



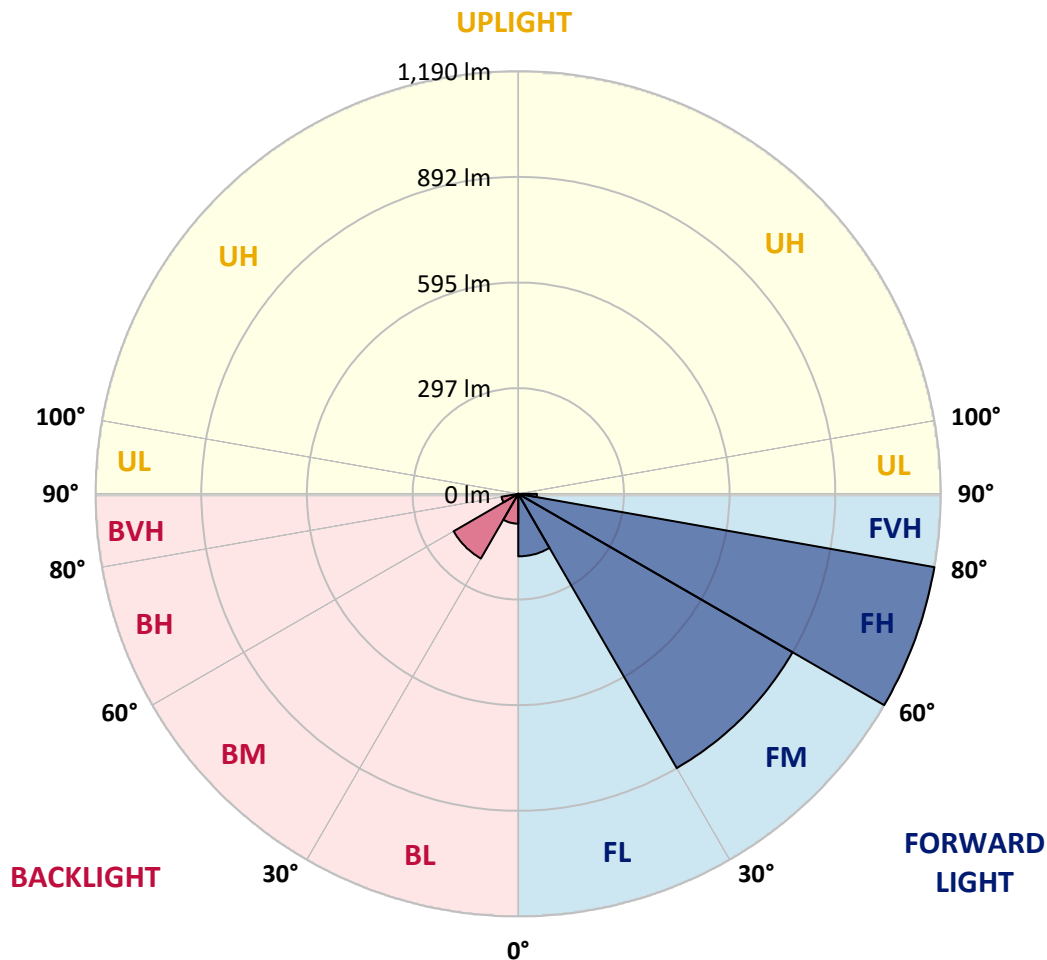
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.1	6.6			
FM (30°-60°)	891.8	33.6			
FH (60°-80°)	1189.9	44.9			G1/1800
FVH (80°-90°)	52.4	2.0			G1/100
BL (0°-30°)	84.1	3.2	B0/110		
BM (30°-60°)	210.4	7.9	B0/220		
BH (60°-80°)	47.7	1.8	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3
2.5°	361.8	363.3	362.4	360.8	360.4	359.7	358.6	358.2	356.8	355.7	354.2
5°	372.0	373.4	372.4	370.2	369.2	368.2	366.8	365.6	362.8	360.2	357.0
7.5°	383.2	384.4	383.2	380.0	378.4	377.2	375.3	373.4	370.2	366.4	362.4
10°	395.5	396.6	394.8	390.6	388.0	386.2	384.4	382.4	379.5	375.3	370.4
12.5°	407.2	408.4	405.6	400.6	397.6	395.8	393.8	392.2	389.2	385.2	380.2
15°	417.8	419.5	414.8	409.4	406.0	404.6	402.6	401.6	399.5	396.8	392.2
17.5°	425.8	426.9	422.0	415.5	411.7	410.8	409.4	410.0	409.6	408.2	405.2
20°	432.6	433.4	426.8	419.0	414.8	415.0	414.6	416.6	417.4	417.4	417.2
22.5°	441.0	441.2	432.8	422.9	418.0	419.3	419.9	422.2	423.7	425.4	429.0
25°	451.9	451.5	441.6	428.1	423.7	425.8	427.1	427.9	429.8	432.3	440.5
27.5°	468.3	467.1	454.4	436.5	431.3	433.2	435.7	435.3	434.6	436.5	450.4
30°	489.1	487.5	470.5	448.3	443.5	445.2	446.0	442.4	436.5	438.4	458.9
32.5°	522.0	519.3	495.7	461.6	454.2	455.9	454.9	447.5	438.9	440.7	467.5
35°	579.4	572.6	539.3	489.1	466.2	464.1	461.8	454.5	443.9	442.2	474.7
37.5°	701.3	689.3	632.3	542.8	493.3	480.3	472.9	465.8	449.4	442.2	482.9
40°	838.8	826.6	760.9	632.7	538.4	516.5	498.9	478.9	454.9	444.7	495.7
42.5°	982.2	968.8	901.3	744.3	603.0	557.8	525.1	489.5	464.1	452.7	512.7
45°	1142.5	1125.7	1037.3	860.5	696.7	626.6	567.2	511.3	480.1	466.9	535.9
47.5°	1311.5	1289.7	1173.0	973.4	797.6	721.7	644.3	550.2	503.7	488.1	567.2
50°	1461.3	1439.7	1313.0	1091.5	891.9	812.2	732.3	604.1	539.0	518.0	609.4
52.5°	1569.0	1552.6	1440.5	1213.4	989.9	897.1	812.0	666.9	583.8	556.5	659.1
55°	1641.1	1626.2	1530.8	1328.8	1104.0	990.6	890.5	735.0	637.8	602.4	714.0
57.5°	1684.9	1676.3	1596.1	1431.9	1217.2	1092.9	980.4	810.0	701.3	656.5	775.4
60°	1700.5	1693.5	1636.7	1530.2	1353.8	1215.8	1086.1	894.5	778.4	718.0	838.3
62.5°	1658.9	1660.3	1665.9	1646.7	1497.8	1359.6	1212.8	996.0	863.9	787.8	897.5
65°	1463.3	1474.9	1581.2	1775.8	1688.7	1539.9	1374.0	1119.8	961.9	867.2	944.4
67.5°	1211.6	1228.4	1360.6	1851.3	1892.0	1773.8	1598.6	1277.7	1078.5	947.8	962.2
70°	927.4	945.5	1105.7	1835.5	2082.5	2029.5	1876.3	1478.5	1199.4	1003.8	916.9
72.5°	661.9	671.1	797.3	1695.0	2160.6	2203.8	2080.9	1668.7	1261.1	972.8	747.8
75°	465.1	463.5	547.2	1365.0	2038.9	2182.5	2009.1	1565.8	1141.2	772.8	461.1
77.5°	202.6	203.0	273.4	828.9	1627.3	1864.1	1670.0	980.8	795.6	409.6	194.6
80°	52.6	54.1	100.3	330.0	979.8	1230.3	1018.5	431.1	367.7	99.9	37.2
82.5°	18.6	19.8	46.1	103.7	361.4	564.3	453.6	137.9	95.9	28.6	9.9
85°	5.4	6.4	24.8	31.8	74.7	159.4	110.1	26.8	23.6	14.8	2.6
87.5°	0.0	0.8	5.0	4.4	4.4	3.0	5.6	3.0	3.8	1.8	0.8
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°	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3
2.5°	353.0	351.7	348.6	345.4	342.5	339.7	338.9	335.9	334.5	334.7	334.5
5°	354.9	352.2	346.4	339.5	332.3	324.1	317.2	307.7	299.5	298.5	297.9
7.5°	359.7	355.5	346.0	332.4	314.5	291.9	270.9	250.1	238.3	232.0	231.5
10°	367.1	361.4	347.1	321.0	282.9	242.5	210.7	184.6	171.2	165.0	163.8
12.5°	375.8	369.6	348.6	301.7	242.1	189.2	154.9	138.9	136.0	135.7	135.5
15°	388.2	381.4	350.4	275.5	198.0	144.0	128.2	128.4	130.7	131.8	131.7
17.5°	402.0	395.2	347.9	243.5	154.5	123.1	122.7	124.4	127.7	128.8	128.6
20°	415.9	409.6	338.7	206.0	124.8	117.3	118.9	120.8	124.0	125.7	125.7
22.5°	430.4	424.8	324.1	166.0	112.6	113.1	115.1	117.1	120.6	122.5	122.5
25°	445.8	441.0	304.7	133.0	107.5	108.6	111.3	113.7	117.5	119.7	119.7
27.5°	461.4	457.8	282.7	111.1	102.7	104.1	107.1	110.3	114.1	116.6	116.8
30°	478.3	476.3	265.2	102.9	98.1	99.3	102.7	106.3	110.5	113.7	114.1
32.5°	495.7	495.3	256.6	108.9	93.9	94.7	97.7	101.3	106.5	110.5	110.9
35°	512.9	513.6	251.5	125.9	92.5	90.3	92.4	95.5	101.7	106.7	107.5
37.5°	534.8	536.9	251.3	144.2	95.9	85.9	87.3	89.5	94.9	100.7	101.7
40°	567.6	578.2	264.1	160.0	101.9	81.9	82.3	82.7	85.5	90.3	91.9
42.5°	611.2	642.2	310.3	170.9	104.2	78.3	76.9	74.7	74.3	76.9	78.3
45°	665.3	719.4	391.4	176.8	101.9	74.3	70.5	64.8	62.5	64.4	64.4
47.5°	729.1	804.2	487.5	178.2	97.9	69.3	62.5	54.9	53.1	53.7	53.5
50°	791.2	867.7	572.1	166.7	91.3	62.9	53.7	47.4	46.1	46.3	46.3
52.5°	846.1	889.5	596.0	139.3	82.5	55.1	46.1	41.7	41.0	41.0	40.8
55°	882.5	865.9	531.5	106.5	71.5	47.2	39.6	37.4	37.0	36.8	36.4
57.5°	890.1	789.1	401.4	76.9	56.0	39.8	35.2	33.9	33.2	32.4	32.0
60°	862.9	661.3	255.5	53.7	41.9	33.9	31.2	30.3	28.8	27.2	26.5
62.5°	804.2	499.5	141.4	37.4	33.7	29.0	27.6	26.5	23.6	21.0	20.2
65°	725.3	332.1	62.5	29.2	27.6	24.4	23.6	22.1	18.6	15.6	15.0
67.5°	646.0	191.2	28.2	23.4	22.1	20.0	19.4	18.3	15.8	13.0	12.6
70°	555.4	96.9	19.4	18.6	17.2	15.2	15.8	15.6	13.0	10.6	10.1
72.5°	413.6	48.2	14.6	13.9	12.4	10.8	13.0	12.8	10.1	8.0	7.6
75°	234.1	23.8	10.6	9.8	7.4	8.0	10.4	9.8	7.0	5.2	4.8
77.5°	92.9	12.2	7.0	5.9	4.4	5.4	7.6	6.6	3.6	2.2	1.9
80°	21.4	5.9	3.6	2.6	1.9	3.2	4.0	2.4	1.0	0.2	0.0
82.5°	5.9	2.6	1.2	1.0	1.0	1.2	1.0	0.4	0.0	0.0	0.0
85°	1.9	1.2	0.4	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
87.5°	0.8	0.4	0.0	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)