

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: P959194

Luminaire Tested: **NVN-SB1A-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P959194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB1A-722-U-SL2
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3776.1 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

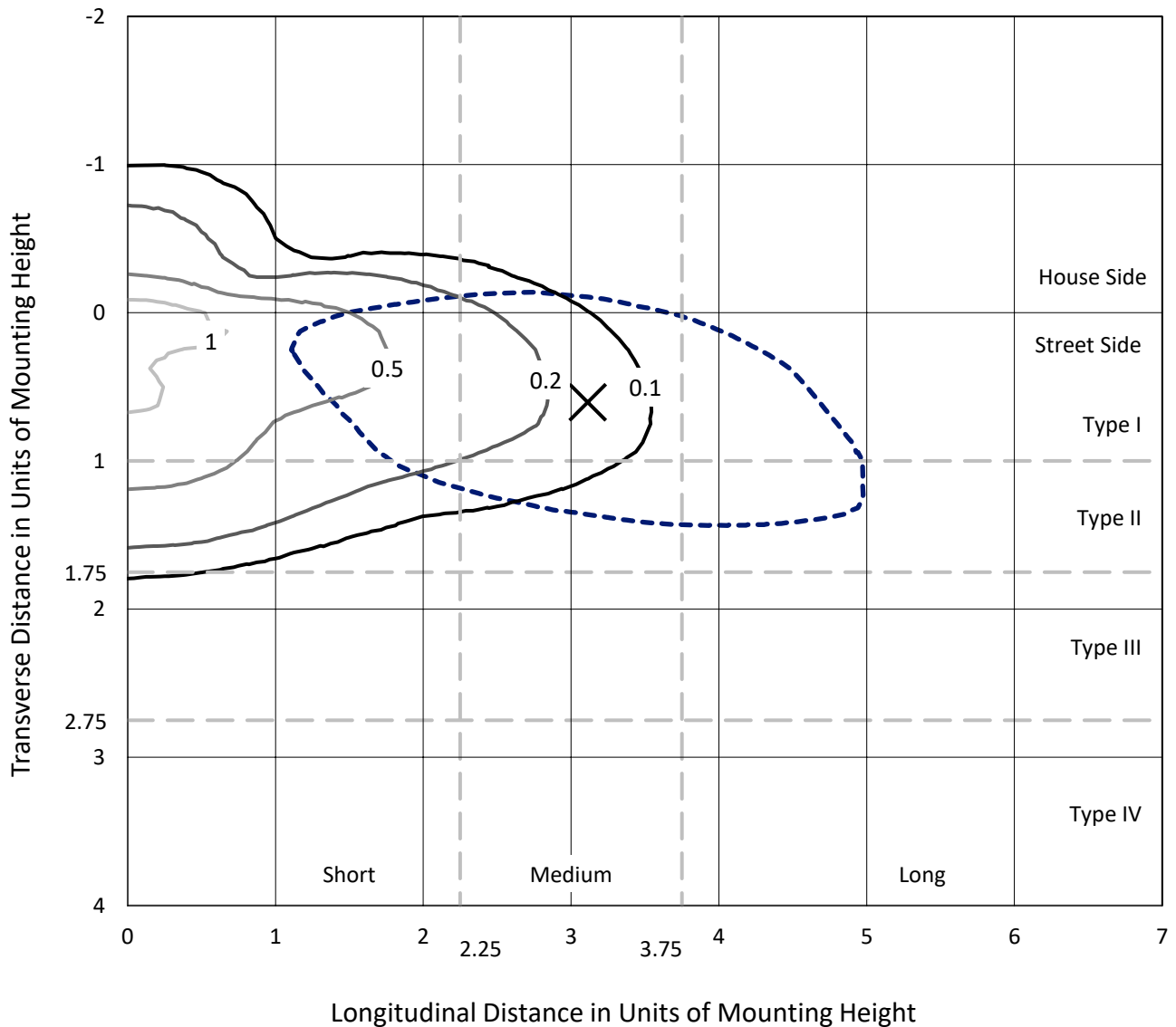
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

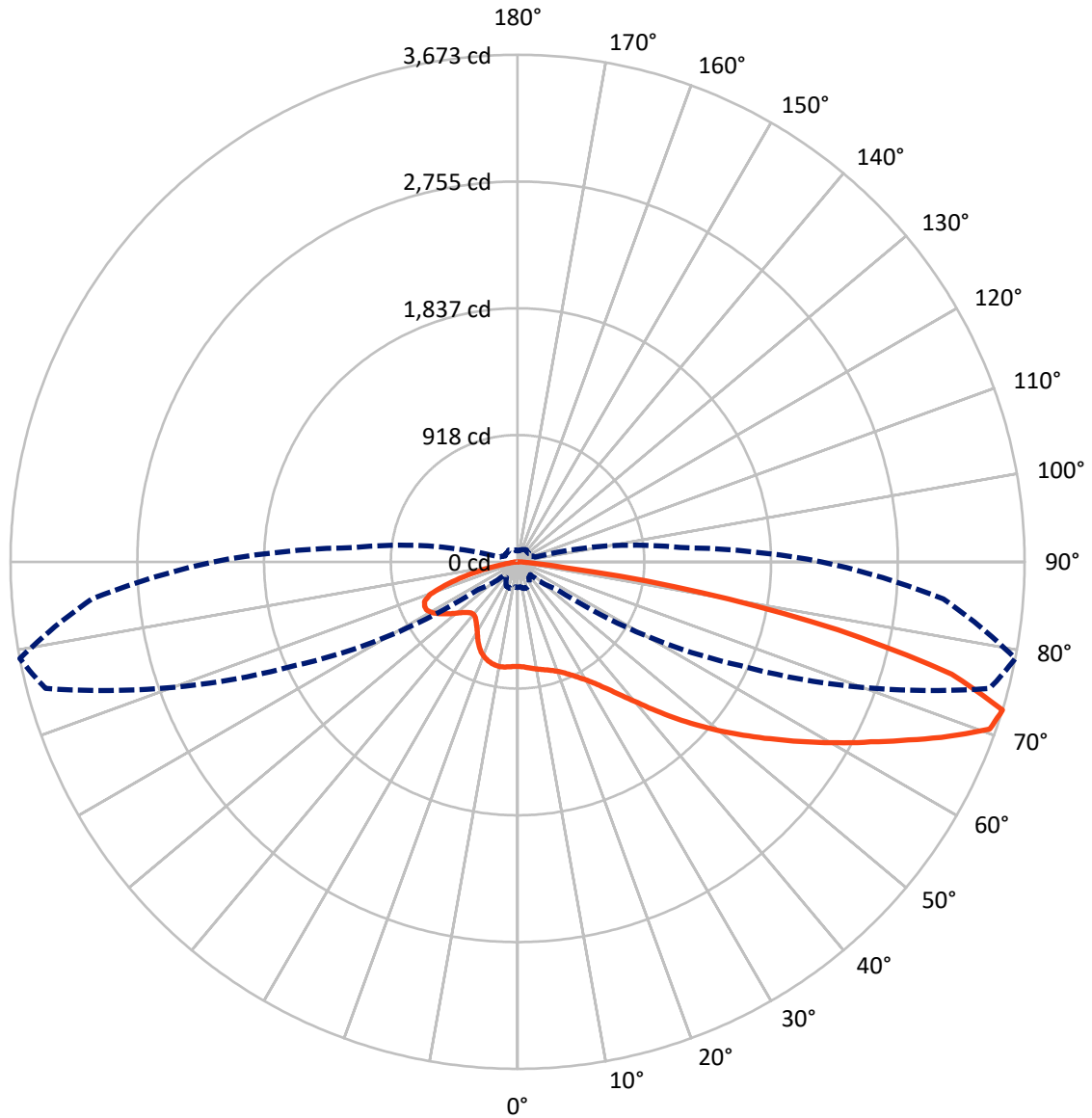
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	830.9	0.0	830.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2945.1	0.0	2945.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	3776.1	0.0	3776.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	1.8
10°-20°	179.9	4.8
20°-30°	290.3	7.7
30°-40°	435.7	11.5
40°-50°	618.0	16.4
50°-60°	780.5	20.7
60°-70°	792.7	21.0
70°-80°	540.2	14.3
80°-90°	70.1	1.9
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°	3776.1	100.0
0°-180°	3776.1	100.0

Coefficient of Utilization

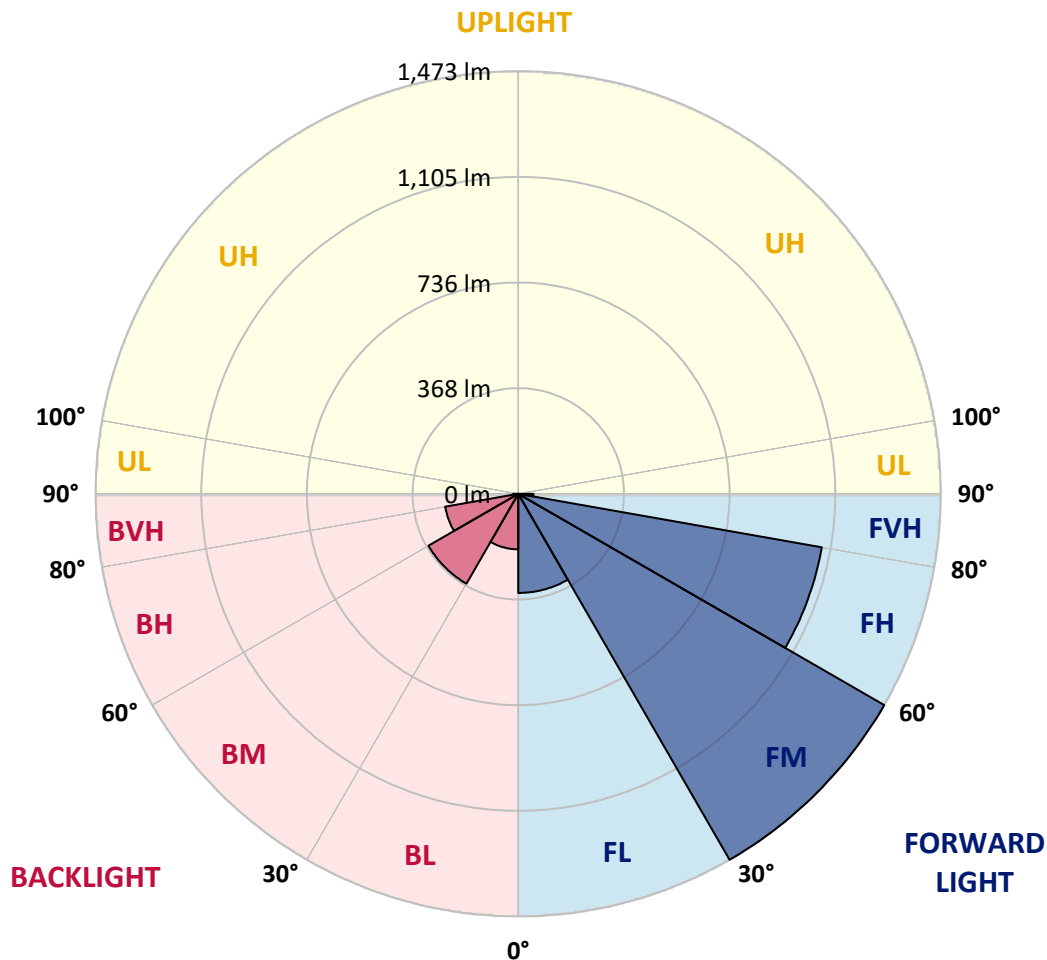


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.4	9.1			
FM (30°-60°)	1472.8	39.0			
FH (60°-80°)	1074.2	28.4			G1/1800
FVH (80°-90°)	52.8	1.4			G1/100
BL (0°-30°)	193.6	5.1	B1/500		
BM (30°-60°)	361.4	9.6	B1/1000		
BH (60°-80°)	258.7	6.9	B1/500		G1/500
BVH (80°-90°)	17.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	758.4	754.8	757.1	756.2	757.2	758.4	758.8	759.4	761.4	761.2	761.1
5°	756.9	753.3	756.2	755.2	757.8	760.7	763.0	765.2	768.4	769.8	767.8
7.5°	753.4	751.0	754.0	757.1	761.8	766.0	769.4	774.4	779.0	779.8	781.2
10°	733.7	731.8	738.8	746.6	759.8	771.2	778.6	784.4	789.4	790.2	792.2
12.5°	713.1	710.8	718.6	729.3	750.6	771.2	786.8	794.4	798.8	801.3	804.3
15°	709.7	707.9	712.3	721.5	739.2	765.8	792.3	806.4	810.2	813.1	814.4
17.5°	726.0	722.6	724.5	727.6	738.0	760.9	796.7	819.9	825.7	828.9	828.9
20°	764.0	759.2	756.4	750.0	748.2	761.6	796.3	836.3	843.9	847.9	848.9
22.5°	814.6	811.4	805.3	789.1	771.6	771.4	803.9	857.3	871.5	875.2	872.9
25°	875.7	870.8	863.3	841.3	807.6	790.8	816.7	884.1	907.8	908.9	901.8
27.5°	946.0	938.8	928.4	899.4	853.9	821.1	836.3	914.8	949.6	949.1	934.8
30°	1020.1	1012.9	1001.9	966.8	909.4	862.1	863.5	947.9	999.1	996.9	972.3
32.5°	1074.2	1068.8	1066.6	1039.5	973.3	910.4	894.6	984.7	1060.3	1058.2	1023.9
35°	1115.7	1108.7	1111.4	1097.6	1043.0	964.5	932.7	1028.5	1134.6	1134.4	1091.6
37.5°	1156.9	1150.7	1152.9	1143.7	1107.5	1033.3	979.3	1082.0	1226.6	1231.0	1173.5
40°	1194.4	1187.9	1196.7	1188.1	1157.7	1106.4	1032.3	1142.6	1333.3	1341.6	1272.5
42.5°	1217.0	1211.9	1226.4	1226.6	1201.2	1168.1	1090.4	1209.2	1456.7	1475.5	1394.4
45°	1224.8	1223.0	1245.0	1249.6	1239.8	1203.9	1142.7	1282.0	1589.8	1623.3	1533.2
47.5°	1216.5	1213.0	1243.4	1260.3	1268.1	1220.6	1186.0	1360.6	1725.6	1774.7	1684.6
50°	1174.0	1167.5	1212.6	1248.3	1276.1	1231.6	1229.8	1451.5	1880.0	1933.7	1836.8
52.5°	1098.0	1093.0	1144.3	1206.4	1258.6	1237.0	1278.9	1550.8	2026.5	2096.1	1992.8
55°	1000.7	994.1	1050.6	1131.7	1214.8	1235.2	1328.1	1661.8	2199.5	2270.1	2154.0
57.5°	846.5	833.3	904.9	1000.7	1143.5	1233.0	1379.2	1772.3	2375.3	2459.8	2325.9
60°	621.6	602.0	689.7	803.4	1004.1	1211.7	1442.5	1896.1	2586.3	2662.3	2513.7
62.5°	361.9	350.5	407.8	513.9	756.9	1085.8	1478.0	2040.2	2793.5	2873.5	2698.3
65°	281.1	277.9	282.8	291.0	421.3	812.9	1368.4	2180.6	3057.3	3113.1	2890.6
67.5°	257.1	254.7	256.9	241.5	213.7	452.8	1082.6	2216.2	3339.7	3373.6	3059.0
70°	228.5	225.7	232.9	219.8	168.2	205.9	699.5	2087.1	3564.3	3628.1	3187.0
72.5°	186.1	183.0	199.8	193.7	141.7	132.2	351.4	1780.5	3540.8	3673.0	3095.4
75°	143.0	141.2	161.2	166.2	115.4	104.0	168.6	1323.5	3116.0	3249.1	2667.8
77.5°	111.0	109.7	119.8	138.1	93.1	80.7	103.6	839.5	2348.2	2371.5	1838.4
80°	83.3	79.3	88.7	106.9	72.5	58.9	70.3	489.5	1484.3	1345.4	800.1
82.5°	52.2	50.1	57.9	71.3	51.1	40.6	45.7	270.5	594.8	350.3	154.4
85°	29.7	29.0	31.6	40.8	27.8	23.4	26.1	119.4	108.6	74.7	46.5
87.5°	12.0	11.6	14.3	18.1	10.1	8.6	9.2	28.8	24.0	22.1	15.4
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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	760.2	760.2	757.4	753.1	748.0	744.9	739.6	738.2	732.9	731.2	733.8
5°	769.4	767.8	759.2	746.8	729.9	714.3	697.1	686.3	671.2	665.7	669.7
7.5°	780.9	776.6	761.8	734.6	699.0	664.1	627.8	600.2	573.9	564.5	565.7
10°	791.6	785.4	760.2	712.7	651.2	590.6	532.7	492.2	461.4	448.8	451.6
12.5°	802.2	790.8	749.6	676.1	583.0	500.9	439.2	407.6	388.7	373.5	378.5
15°	812.1	796.1	733.3	627.2	508.3	425.1	379.6	354.3	339.2	329.1	331.0
17.5°	823.7	800.7	708.7	565.1	437.3	372.5	335.4	320.2	317.2	316.0	316.8
20°	839.9	804.9	676.3	495.6	384.9	330.6	311.4	310.0	309.8	309.2	311.2
22.5°	857.3	810.0	633.6	432.4	340.4	304.4	301.0	298.2	296.4	296.2	298.4
25°	877.8	811.6	580.0	380.7	302.4	292.0	288.0	283.8	282.6	282.6	283.8
27.5°	897.8	806.2	517.7	335.8	281.1	280.6	275.4	274.1	273.9	274.5	276.0
30°	917.8	796.0	455.8	294.2	268.7	268.7	266.8	267.8	268.7	270.6	272.0
32.5°	944.7	785.2	404.1	263.4	257.9	255.8	257.7	259.6	260.5	263.0	265.3
35°	984.3	777.6	363.0	246.7	246.7	244.1	245.1	244.7	242.9	241.7	244.5
37.5°	1036.7	777.2	328.9	238.9	237.3	236.9	237.1	234.5	227.6	219.1	219.4
40°	1099.6	788.0	302.8	233.5	232.3	234.7	233.5	226.5	207.4	192.7	192.4
42.5°	1184.1	818.8	286.1	226.9	230.5	233.5	228.7	204.5	191.6	181.7	181.3
45°	1283.5	868.7	277.5	220.0	227.1	230.7	207.6	196.9	186.5	174.8	173.9
47.5°	1396.2	931.6	275.4	213.3	219.6	221.7	198.5	193.7	181.9	169.2	168.2
50°	1518.8	1006.1	280.8	205.5	208.5	200.9	195.6	191.2	179.0	166.4	165.0
52.5°	1645.6	1088.1	291.6	195.0	197.5	189.1	194.3	190.5	177.1	160.2	159.0
55°	1770.3	1170.9	302.0	182.6	186.3	178.6	191.0	188.2	169.0	149.9	148.8
57.5°	1897.0	1253.2	312.2	171.6	175.6	168.4	185.5	181.7	159.8	140.2	139.8
60°	2028.6	1333.1	317.0	161.0	163.8	159.0	177.3	170.8	149.4	130.4	129.9
62.5°	2151.8	1399.5	309.2	150.4	152.2	150.2	166.6	157.7	139.0	119.4	119.2
65°	2275.4	1439.1	285.3	140.0	140.4	139.4	151.4	143.8	126.8	109.9	108.6
67.5°	2387.5	1461.3	247.1	128.8	127.8	127.4	137.2	128.6	115.0	100.2	99.1
70°	2411.3	1405.0	188.8	115.6	115.6	114.7	121.7	112.9	102.1	90.1	89.7
72.5°	2202.3	1181.8	134.1	100.7	102.3	100.2	106.1	98.7	88.9	80.9	78.5
75°	1775.9	866.6	97.5	85.3	88.0	84.7	90.1	84.9	76.5	76.3	68.7
77.5°	1220.3	535.9	70.7	70.3	72.3	68.0	74.1	71.3	63.8	60.4	56.5
80°	520.7	213.7	51.6	54.3	54.3	50.3	57.5	58.3	51.8	50.1	50.1
82.5°	103.6	60.7	36.2	37.3	35.2	33.9	40.8	45.1	62.3	69.3	69.5
85°	31.2	22.3	21.7	20.4	17.9	18.1	24.0	45.3	56.0	32.0	27.6
87.5°	8.6	5.6	5.8	4.6	3.8	5.0	8.2	34.3	18.8	8.0	6.8
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)