

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: LUMARK

Report Number: P959262

Luminaire Tested: **NAV-SB1A-730-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P959262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SB1A-730-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4582.8 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

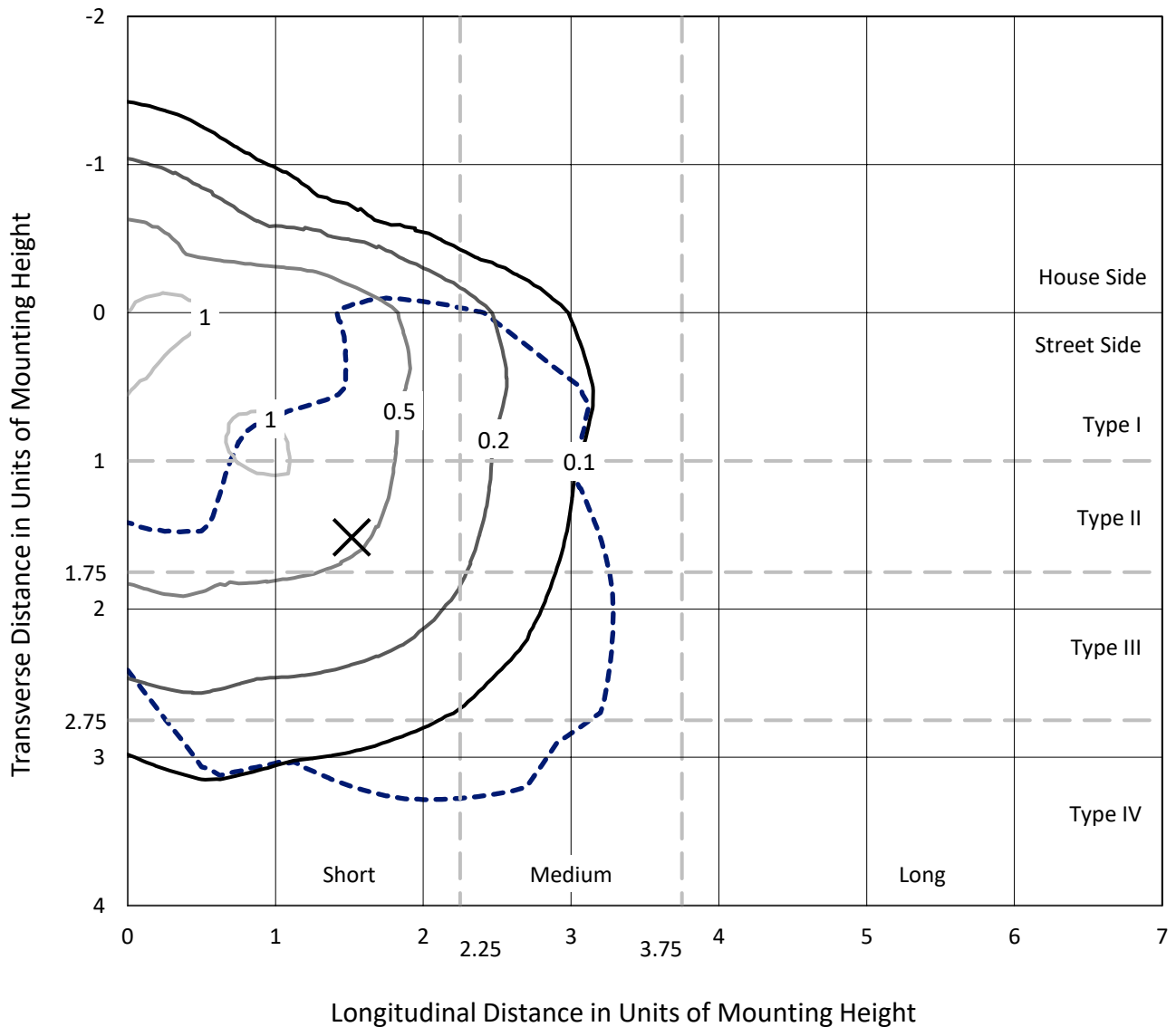
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

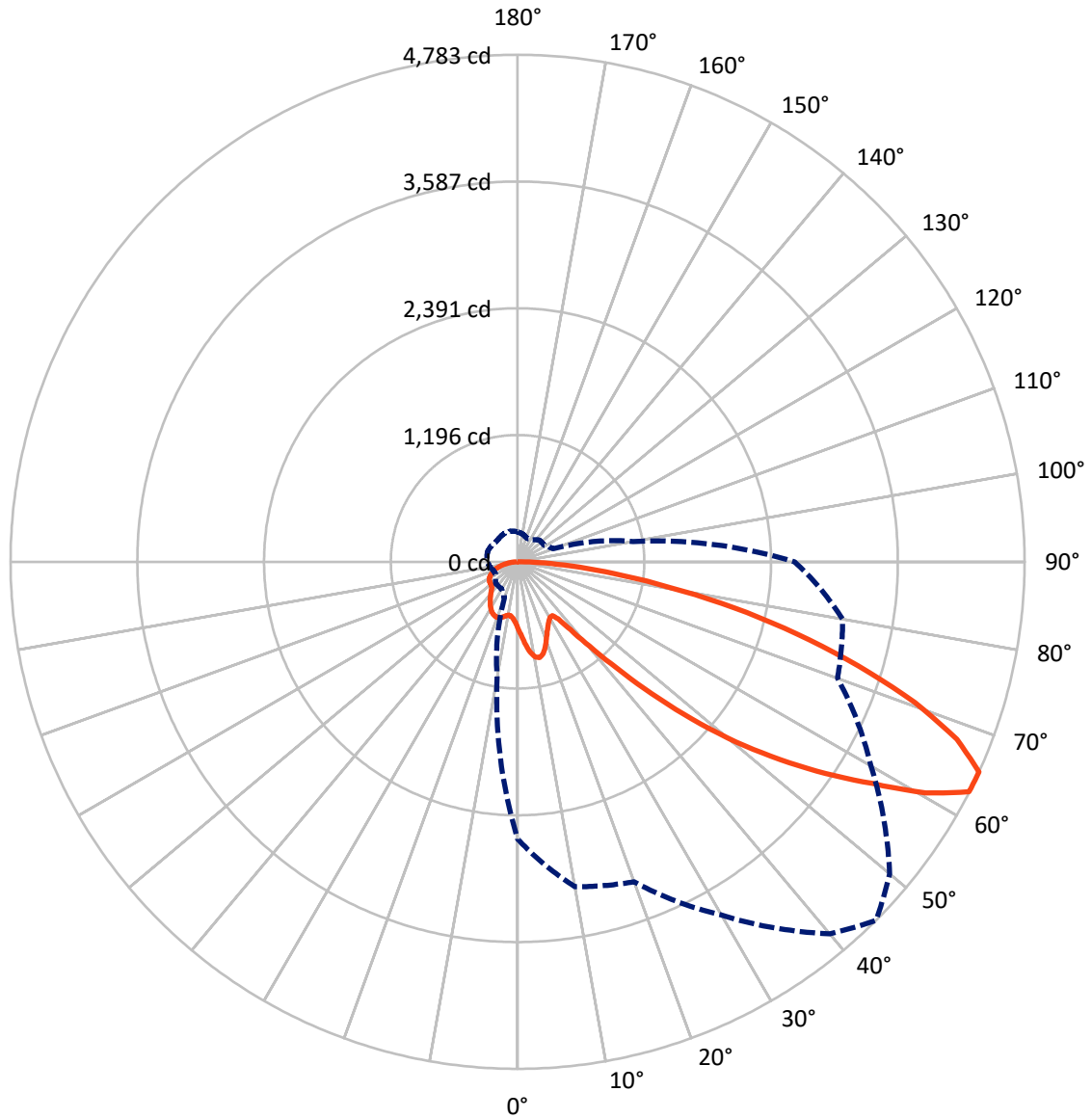
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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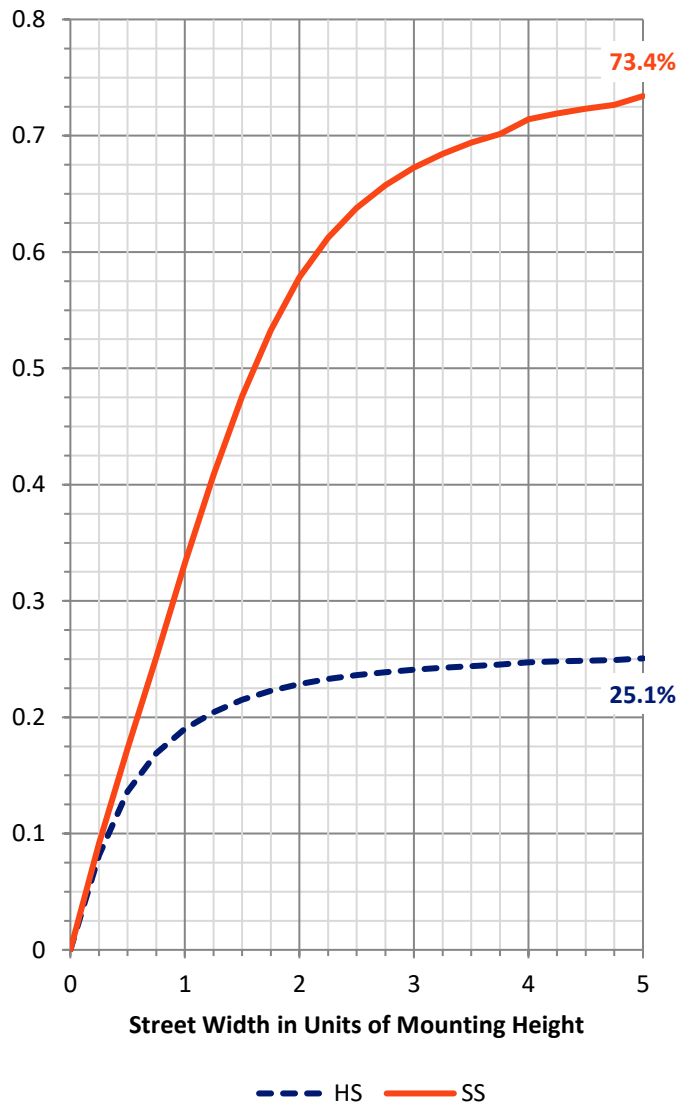
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1164.7	0.0	1164.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	3418.1	0.0	3418.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	4582.8	0.0	4582.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	1.4
10°-20°	196.2	4.3
20°-30°	303.1	6.6
30°-40°	384.1	8.4
40°-50°	579.4	12.6
50°-60°	936.1	20.4
60°-70°	1166.9	25.5
70°-80°	765.2	16.7
80°-90°	189.2	4.1
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°	4582.8	100.0
0°-180°	4582.8	100.0

Coefficient of Utilization



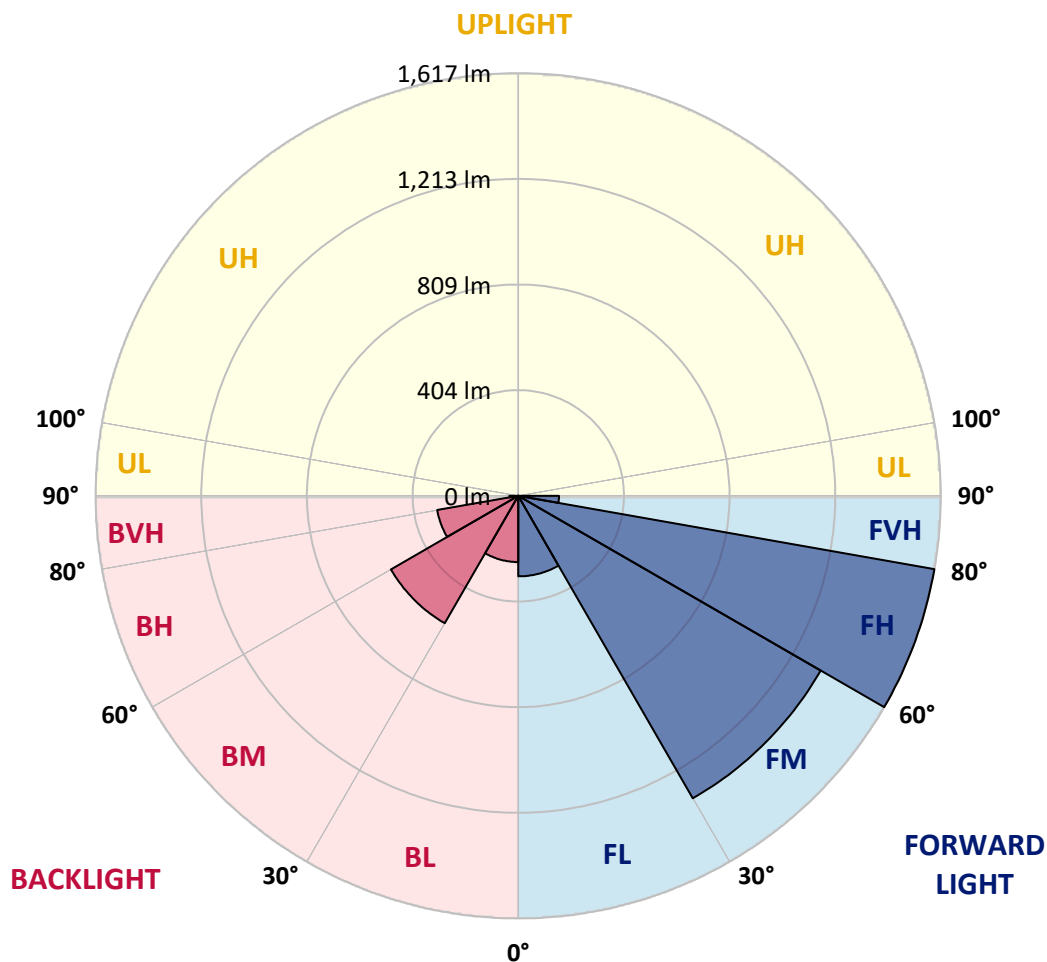
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.2	6.7			
FM (30°-60°)	1336.7	29.2			
FH (60°-80°)	1617.3	35.3			G1/1800
FVH (80°-90°)	155.8	3.4			G2/225
BL (0°-30°)	253.6	5.5	B1/500		
BM (30°-60°)	562.9	12.3	B1/1000		
BH (60°-80°)	314.9	6.9	B1/500		G1/500
BVH (80°-90°)	33.3	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2
2.5°	677.7	680.3	682.9	686.4	690.1	692.3	694.5	695.6	696.7	696.2	696.7
5°	728.7	737.7	746.7	755.5	764.5	769.4	774.2	777.1	780.0	782.3	780.0
7.5°	780.0	794.6	809.1	822.3	835.4	843.4	851.3	855.6	859.8	861.8	859.8
10°	819.3	836.5	853.8	869.2	884.6	893.9	903.2	907.4	911.5	913.1	911.5
12.5°	843.4	862.0	880.8	894.6	908.6	915.3	922.1	924.3	926.6	926.9	926.6
15°	857.9	874.1	890.2	898.9	907.7	907.9	908.3	905.8	903.3	900.6	903.3
17.5°	866.2	877.1	888.0	888.2	888.3	878.5	868.7	859.8	850.7	844.4	850.7
20°	875.2	879.0	882.8	871.4	859.9	838.2	816.6	800.9	785.2	775.5	785.2
22.5°	885.8	880.8	875.8	852.0	828.2	796.4	764.6	745.0	725.3	714.5	725.3
25°	899.3	883.6	867.9	831.8	795.6	757.0	718.4	697.7	677.0	667.0	677.0
27.5°	917.7	889.6	861.5	813.6	765.8	722.9	680.2	659.8	639.5	630.0	639.5
30°	942.5	900.6	858.6	799.8	740.9	696.3	651.7	632.8	613.9	605.1	613.9
32.5°	971.7	914.4	857.0	790.4	723.8	681.8	639.9	625.0	610.2	603.8	610.2
35°	1007.3	937.1	866.8	797.4	728.0	698.8	669.7	666.4	662.9	662.4	662.9
37.5°	1067.1	984.5	901.9	838.9	775.7	773.8	771.9	787.7	803.6	811.8	803.6
40°	1157.5	1067.7	978.0	931.0	884.1	917.2	950.3	988.7	1027.2	1046.3	1027.2
42.5°	1277.6	1188.4	1099.2	1072.3	1045.2	1117.5	1189.7	1259.6	1329.5	1370.6	1329.5
45°	1425.7	1345.5	1265.5	1253.6	1241.6	1357.4	1473.1	1588.0	1702.9	1772.7	1702.9
47.5°	1610.9	1533.0	1455.1	1452.6	1450.2	1617.2	1784.1	1952.4	2120.6	2219.4	2120.6
50°	1853.6	1757.5	1661.2	1661.6	1662.0	1877.3	2092.4	2314.6	2536.6	2670.8	2536.6
52.5°	2132.3	2015.9	1899.3	1887.5	1875.7	2132.8	2389.9	2664.7	2939.4	3100.3	2939.4
55°	2429.0	2313.9	2198.8	2152.9	2107.0	2393.1	2679.1	3006.7	3334.2	3525.7	3334.2
57.5°	2698.9	2636.2	2573.6	2481.4	2389.4	2678.2	2967.2	3338.1	3709.1	3946.5	3709.1
60°	2862.0	2959.4	3056.8	2942.4	2828.0	3101.3	3374.8	3772.0	4169.2	4425.7	4169.2
62.5°	2779.2	3045.2	3311.3	3298.3	3285.4	3535.8	3786.3	4164.3	4542.2	4779.3	4542.2
65°	2613.4	2863.1	3112.7	3162.1	3211.5	3529.8	3848.2	4214.6	4581.0	4782.9	4581.0
67.5°	2391.3	2628.8	2866.2	2889.4	2912.5	3244.1	3575.8	3943.8	4311.8	4469.9	4311.8
70°	2124.5	2382.7	2641.0	2651.4	2661.8	2958.4	3254.9	3571.6	3888.2	3976.2	3888.2
72.5°	1806.5	2102.9	2399.3	2406.7	2414.2	2646.1	2878.2	3115.4	3352.6	3361.5	3352.6
75°	1404.2	1711.0	2017.7	2045.3	2072.9	2253.4	2433.9	2600.8	2767.8	2723.1	2767.8
77.5°	1003.3	1289.7	1576.0	1615.4	1654.9	1792.1	1929.4	2047.7	2166.1	2089.3	2166.1
80°	656.6	897.6	1138.5	1187.5	1236.5	1340.1	1443.7	1505.9	1568.0	1444.3	1568.0
82.5°	381.7	546.4	711.1	765.9	820.6	892.0	963.3	989.2	1015.2	917.9	1015.2
85°	167.9	255.3	342.8	389.3	435.8	494.5	553.1	567.8	582.5	504.7	582.5
87.5°	52.0	81.4	110.8	136.7	162.7	192.0	221.3	222.5	223.8	187.9	223.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2
2.5°	695.6	694.5	692.3	690.1	686.4	682.9	680.3	677.7	672.5	667.3	661.7
5°	777.1	774.2	769.4	764.5	755.5	746.7	737.7	728.7	717.2	705.7	694.2
7.5°	855.6	851.3	843.4	835.4	822.3	809.1	794.6	780.0	761.1	742.1	724.6
10°	907.4	903.2	893.9	884.6	869.2	853.8	836.5	819.3	795.3	771.3	748.2
12.5°	924.3	922.1	915.3	908.6	894.6	880.8	862.0	843.4	817.0	790.7	764.4
15°	905.8	908.3	907.9	907.7	898.9	890.2	874.1	857.9	830.6	803.1	774.6
17.5°	859.8	868.7	878.5	888.3	888.2	888.0	877.1	866.2	838.3	810.5	779.5
20°	800.9	816.6	838.2	859.9	871.4	882.8	879.0	875.2	846.3	817.3	783.3
22.5°	745.0	764.6	796.4	828.2	852.0	875.8	880.8	885.8	856.2	826.7	788.4
25°	697.7	718.4	757.0	795.6	831.8	867.9	883.6	899.3	870.3	841.4	797.7
27.5°	659.8	680.2	722.9	765.8	813.6	861.5	889.6	917.7	890.1	862.4	812.2
30°	632.8	651.7	696.3	740.9	799.8	858.6	900.6	942.5	915.7	889.1	831.0
32.5°	625.0	639.9	681.8	723.8	790.4	857.0	914.4	971.7	945.3	918.9	850.6
35°	666.4	669.7	698.8	728.0	797.4	866.8	937.1	1007.3	982.0	956.6	873.0
37.5°	787.7	771.9	773.8	775.7	838.9	901.9	984.5	1067.1	1034.8	1002.7	898.0
40°	988.7	950.3	917.2	884.1	931.0	978.0	1067.7	1157.5	1110.6	1063.5	929.8
42.5°	1259.6	1189.7	1117.5	1045.2	1072.3	1099.2	1188.4	1277.6	1209.7	1141.8	971.3
45°	1588.0	1473.1	1357.4	1241.6	1253.6	1265.5	1345.5	1425.7	1334.1	1242.6	1026.0
47.5°	1952.4	1784.1	1617.2	1450.2	1452.6	1455.1	1533.0	1610.9	1482.0	1353.2	1084.3
50°	2314.6	2092.4	1877.3	1662.0	1661.6	1661.2	1757.5	1853.6	1659.5	1465.2	1138.4
52.5°	2664.7	2389.9	2132.8	1875.7	1887.5	1899.3	2015.9	2132.3	1845.8	1559.2	1173.5
55°	3006.7	2679.1	2393.1	2107.0	2152.9	2198.8	2313.9	2429.0	2010.9	1593.0	1165.7
57.5°	3338.1	2967.2	2678.2	2389.4	2481.4	2573.6	2636.2	2698.9	2128.1	1557.3	1111.3
60°	3772.0	3374.8	3101.3	2828.0	2942.4	3056.8	2959.4	2862.0	2157.3	1452.6	1009.9
62.5°	4164.3	3786.3	3535.8	3285.4	3298.3	3311.3	3045.2	2779.2	2034.1	1289.0	872.9
65°	4214.6	3848.2	3529.8	3211.5	3162.1	3112.7	2863.1	2613.4	1859.8	1106.2	733.1
67.5°	3943.8	3575.8	3244.1	2912.5	2889.4	2866.2	2628.8	2391.3	1652.3	913.4	596.1
70°	3571.6	3254.9	2958.4	2661.8	2651.4	2641.0	2382.7	2124.5	1426.0	727.5	469.3
72.5°	3115.4	2878.2	2646.1	2414.2	2406.7	2399.3	2102.9	1806.5	1180.6	554.7	358.9
75°	2600.8	2433.9	2253.4	2072.9	2045.3	2017.7	1711.0	1404.2	899.3	394.3	260.5
77.5°	2047.7	1929.4	1792.1	1654.9	1615.4	1576.0	1289.7	1003.3	629.5	255.5	176.5
80°	1505.9	1443.7	1340.1	1236.5	1187.5	1138.5	897.6	656.6	405.5	154.4	113.7
82.5°	989.2	963.3	892.0	820.6	765.9	711.1	546.4	381.7	234.7	87.7	69.9
85°	567.8	553.1	494.5	435.8	389.3	342.8	255.3	167.9	105.6	43.3	37.4
87.5°	222.5	221.3	192.0	162.7	136.7	110.8	81.4	52.0	34.5	17.2	15.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2
2.5°	656.2	650.7	645.1	639.8	634.5	629.3	623.6	619.0	614.3	610.2	606.0
5°	682.9	671.3	659.8	649.0	638.3	628.1	618.1	609.4	600.5	593.2	585.9
7.5°	707.0	690.0	673.0	657.9	643.0	629.0	616.1	604.4	592.9	583.1	573.5
10°	725.1	704.4	683.7	665.9	648.1	631.0	617.0	604.8	592.4	582.8	573.2
12.5°	738.3	713.8	689.4	669.3	649.2	631.3	618.3	608.2	598.2	591.7	585.4
15°	746.2	718.1	689.9	666.7	643.4	623.5	613.2	608.3	603.5	604.4	605.3
17.5°	748.5	715.9	683.2	655.2	627.2	603.8	597.4	599.2	601.0	611.4	622.0
20°	749.2	709.6	670.0	635.4	600.8	573.5	571.7	579.9	588.2	606.5	624.8
22.5°	750.2	702.0	653.9	612.1	570.4	539.4	542.6	554.8	567.0	587.9	608.8
25°	754.0	694.5	635.1	586.2	537.3	505.5	514.4	528.5	542.5	561.3	580.2
27.5°	762.0	689.5	617.2	562.5	507.9	478.9	489.8	503.4	516.9	532.3	547.8
30°	772.8	687.2	601.5	542.6	483.9	459.6	468.1	478.9	489.6	502.5	515.3
32.5°	782.3	684.3	586.2	525.5	464.9	445.3	449.1	455.5	461.9	472.0	482.3
35°	789.2	678.9	568.5	508.7	449.1	432.8	431.1	432.9	434.7	442.5	450.3
37.5°	793.3	669.4	545.6	488.9	432.3	418.1	412.4	410.4	408.5	414.1	419.6
40°	795.9	656.6	517.2	465.4	413.5	400.6	391.8	387.3	382.9	387.0	391.0
42.5°	800.8	643.3	485.7	439.3	392.9	381.0	369.8	364.1	358.2	361.5	364.9
45°	809.4	630.9	452.4	411.6	370.9	358.9	348.1	342.5	336.8	339.6	342.3
47.5°	815.4	620.7	426.0	389.8	353.5	337.9	328.7	323.9	319.2	321.8	324.4
50°	811.5	609.6	407.6	375.3	342.9	322.4	311.6	307.4	303.2	307.3	311.3
52.5°	787.7	590.8	393.9	365.7	337.4	313.9	298.8	294.7	290.6	296.6	302.8
55°	738.5	559.6	380.8	358.7	336.6	314.7	292.0	285.5	278.9	287.6	296.2
57.5°	665.3	515.8	366.1	350.5	334.9	315.6	288.0	278.4	268.9	278.2	287.5
60°	567.2	458.7	350.2	337.9	325.6	312.9	284.2	271.7	259.3	267.5	275.7
62.5°	456.7	390.5	324.2	316.1	307.9	306.4	279.7	264.2	248.7	253.9	259.1
65°	360.0	329.1	298.2	294.3	290.5	290.7	270.4	253.9	237.4	239.3	241.3
67.5°	278.9	270.1	261.3	263.4	265.6	265.1	253.6	239.8	226.1	225.5	224.9
70°	211.3	213.7	216.3	226.2	236.2	236.2	232.4	222.6	212.9	210.6	208.5
72.5°	163.0	170.5	178.1	192.2	206.3	208.7	208.7	202.0	195.4	192.2	189.0
75°	126.5	133.4	140.2	156.1	171.9	182.9	181.9	176.7	171.6	168.5	165.4
77.5°	97.4	102.1	106.8	122.1	137.5	155.5	155.0	150.9	146.8	143.6	140.5
80°	73.0	74.9	76.9	89.9	102.9	124.4	124.3	120.8	117.4	114.8	112.2
82.5°	52.2	52.5	52.9	62.5	72.1	90.4	91.4	89.8	88.0	86.2	84.4
85°	31.6	31.4	31.2	38.2	45.2	58.8	60.2	58.4	56.6	54.5	52.5
87.5°	13.8	13.6	13.5	16.3	19.3	24.9	26.6	25.8	25.1	24.8	24.4
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2
2.5°	602.3	598.7	595.0	591.3	588.6	585.7	583.4	581.1	579.3	577.5	575.8
5°	579.4	572.9	567.0	561.1	556.6	552.1	548.9	545.7	543.5	541.2	539.6
7.5°	565.3	557.2	549.9	542.7	537.4	532.0	528.2	524.5	521.8	519.3	517.7
10°	564.4	555.6	547.5	539.4	532.9	526.4	522.2	518.0	515.6	513.1	511.8
12.5°	578.5	571.6	563.2	554.8	546.6	538.4	533.0	527.6	524.8	522.0	521.0
15°	603.5	601.7	594.4	587.1	575.4	563.8	555.4	547.1	543.4	539.6	538.1
17.5°	627.6	633.1	627.3	621.5	606.0	590.5	578.3	566.1	560.5	554.8	553.0
20°	636.6	648.3	645.6	642.9	625.1	607.4	592.4	577.6	570.4	563.2	560.9
22.5°	624.1	639.4	641.0	642.7	625.7	608.7	593.4	578.0	570.4	562.8	560.3
25°	595.1	610.2	615.7	621.4	607.4	593.6	579.9	566.3	559.8	553.2	550.7
27.5°	559.8	571.8	578.1	584.4	574.4	564.6	554.0	543.4	538.9	534.5	533.4
30°	525.2	535.3	540.4	545.4	537.9	530.3	522.8	515.2	512.9	510.6	510.6
32.5°	491.9	501.4	507.1	512.8	505.8	498.9	492.8	486.8	485.3	483.8	484.0
35°	459.7	469.2	476.0	482.8	477.9	472.9	467.3	461.8	459.5	457.3	456.7
37.5°	429.2	438.6	447.0	455.3	453.0	450.8	445.7	440.4	436.3	432.3	430.2
40°	400.2	409.4	419.0	428.7	429.2	429.7	425.4	421.0	415.0	409.1	405.1
42.5°	373.5	382.2	392.6	403.0	405.8	408.6	404.9	401.2	393.8	386.4	380.6
45°	350.5	358.9	369.6	380.4	384.4	388.4	385.0	381.7	373.3	364.9	358.0
47.5°	332.4	340.5	351.2	361.7	366.3	370.9	368.6	366.3	358.9	351.3	345.0
50°	319.0	326.5	336.0	345.5	351.5	357.3	357.2	357.1	351.2	345.1	339.3
52.5°	309.8	316.6	325.5	334.5	341.4	348.4	349.6	351.0	346.0	341.1	335.9
55°	303.8	311.3	319.1	326.8	334.3	341.6	343.4	345.1	340.8	336.6	332.0
57.5°	296.3	305.1	312.8	320.5	328.0	335.5	337.2	339.0	334.7	330.4	325.8
60°	285.9	295.9	303.7	311.6	319.1	326.6	328.5	330.5	326.3	322.1	317.3
62.5°	270.9	282.7	291.0	299.4	306.3	313.1	315.0	316.8	313.0	309.2	304.3
65°	254.0	266.6	274.6	282.6	288.6	294.7	296.5	298.5	294.8	291.1	286.4
67.5°	236.6	248.3	255.8	263.3	268.5	273.8	275.6	277.5	274.1	270.8	266.3
70°	218.7	229.0	235.5	242.1	246.8	251.5	253.3	255.0	252.4	249.6	245.4
72.5°	197.0	205.1	211.0	216.9	221.5	226.1	228.3	230.4	228.2	225.8	221.8
75°	171.5	177.4	182.8	188.1	192.3	196.6	198.7	201.0	199.9	198.7	195.4
77.5°	145.4	150.3	154.9	159.5	163.9	168.3	170.4	172.5	170.9	169.3	165.8
80°	116.2	120.3	124.1	128.0	131.4	134.8	137.5	140.2	139.6	138.9	134.3
82.5°	84.0	83.7	82.4	81.0	88.1	95.3	100.0	104.8	104.4	104.1	100.2
85°	50.7	49.0	45.2	41.5	48.2	54.9	60.7	66.5	66.0	65.5	62.5
87.5°	24.3	24.2	21.4	18.4	21.3	24.1	26.4	28.8	28.3	27.6	26.0
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2
2.5°	574.2	572.2	574.2	575.8	577.5	579.3	581.1	583.4	585.7	588.6	591.3
5°	537.8	536.1	537.8	539.6	541.2	543.5	545.7	548.9	552.1	556.6	561.1
7.5°	516.2	515.1	516.2	517.7	519.3	521.8	524.5	528.2	532.0	537.4	542.7
10°	510.6	510.0	510.6	511.8	513.1	515.6	518.0	522.2	526.4	532.9	539.4
12.5°	519.9	519.7	519.9	521.0	522.0	524.8	527.6	533.0	538.4	546.6	554.8
15°	536.7	536.6	536.7	538.1	539.6	543.4	547.1	555.4	563.8	575.4	587.1
17.5°	551.1	550.8	551.1	553.0	554.8	560.5	566.1	578.3	590.5	606.0	621.5
20°	558.6	557.9	558.6	560.9	563.2	570.4	577.6	592.4	607.4	625.1	642.9
22.5°	557.7	556.7	557.7	560.3	562.8	570.4	578.0	593.4	608.7	625.7	642.7
25°	548.4	546.9	548.4	550.7	553.2	559.8	566.3	579.9	593.6	607.4	621.4
27.5°	532.4	532.0	532.4	533.4	534.5	538.9	543.4	554.0	564.6	574.4	584.4
30°	510.6	511.0	510.6	510.6	510.6	512.9	515.2	522.8	530.3	537.9	545.4
32.5°	484.2	484.6	484.2	484.0	483.8	485.3	486.8	492.8	498.9	505.8	512.8
35°	456.3	456.0	456.3	456.7	457.3	459.5	461.8	467.3	472.9	477.9	482.8
37.5°	428.0	426.8	428.0	430.2	432.3	436.3	440.4	445.7	450.8	453.0	455.3
40°	401.1	398.7	401.1	405.1	409.1	415.0	421.0	425.4	429.7	429.2	428.7
42.5°	374.7	370.9	374.7	380.6	386.4	393.8	401.2	404.9	408.6	405.8	403.0
45°	351.2	346.8	351.2	358.0	364.9	373.3	381.7	385.0	388.4	384.4	380.4
47.5°	338.7	334.5	338.7	345.0	351.3	358.9	366.3	368.6	370.9	366.3	361.7
50°	333.4	329.3	333.4	339.3	345.1	351.2	357.1	357.2	357.3	351.5	345.5
52.5°	330.7	327.0	330.7	335.9	341.1	346.0	351.0	349.6	348.4	341.4	334.5
55°	327.4	324.0	327.4	332.0	336.6	340.8	345.1	343.4	341.6	334.3	326.8
57.5°	321.2	317.8	321.2	325.8	330.4	334.7	339.0	337.2	335.5	328.0	320.5
60°	312.6	309.0	312.6	317.3	322.1	326.3	330.5	328.5	326.6	319.1	311.6
62.5°	299.4	295.0	299.4	304.3	309.2	313.0	316.8	315.0	313.1	306.3	299.4
65°	281.6	277.9	281.6	286.4	291.1	294.8	298.5	296.5	294.7	288.6	282.6
67.5°	261.9	258.5	261.9	266.3	270.8	274.1	277.5	275.6	273.8	268.5	263.3
70°	241.1	237.2	241.1	245.4	249.6	252.4	255.0	253.3	251.5	246.8	242.1
72.5°	217.7	214.0	217.7	221.8	225.8	228.2	230.4	228.3	226.1	221.5	216.9
75°	192.0	188.4	192.0	195.4	198.7	199.9	201.0	198.7	196.6	192.3	188.1
77.5°	162.5	159.6	162.5	165.8	169.3	170.9	172.5	170.4	168.3	163.9	159.5
80°	129.7	124.3	129.7	134.3	138.9	139.6	140.2	137.5	134.8	131.4	128.0
82.5°	96.2	92.9	96.2	100.2	104.1	104.4	104.8	100.0	95.3	88.1	81.0
85°	59.4	56.4	59.4	62.5	65.5	66.0	66.5	60.7	54.9	48.2	41.5
87.5°	24.5	23.0	24.5	26.0	27.6	28.3	28.8	26.4	24.1	21.3	18.4
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2
2.5°	595.0	598.7	602.3	606.0	610.2	614.3	619.0	623.6	629.3	634.5	639.8
5°	567.0	572.9	579.4	585.9	593.2	600.5	609.4	618.1	628.1	638.3	649.0
7.5°	549.9	557.2	565.3	573.5	583.1	592.9	604.4	616.1	629.0	643.0	657.9
10°	547.5	555.6	564.4	573.2	582.8	592.4	604.8	617.0	631.0	648.1	665.9
12.5°	563.2	571.6	578.5	585.4	591.7	598.2	608.2	618.3	631.3	649.2	669.3
15°	594.4	601.7	603.5	605.3	604.4	603.5	608.3	613.2	623.5	643.4	666.7
17.5°	627.3	633.1	627.6	622.0	611.4	601.0	599.2	597.4	603.8	627.2	655.2
20°	645.6	648.3	636.6	624.8	606.5	588.2	579.9	571.7	573.5	600.8	635.4
22.5°	641.0	639.4	624.1	608.8	587.9	567.0	554.8	542.6	539.4	570.4	612.1
25°	615.7	610.2	595.1	580.2	561.3	542.5	528.5	514.4	505.5	537.3	586.2
27.5°	578.1	571.8	559.8	547.8	532.3	516.9	503.4	489.8	478.9	507.9	562.5
30°	540.4	535.3	525.2	515.3	502.5	489.6	478.9	468.1	459.6	483.9	542.6
32.5°	507.1	501.4	491.9	482.3	472.0	461.9	455.5	449.1	445.3	464.9	525.5
35°	476.0	469.2	459.7	450.3	442.5	434.7	432.9	431.1	432.8	449.1	508.7
37.5°	447.0	438.6	429.2	419.6	414.1	408.5	410.4	412.4	418.1	432.3	488.9
40°	419.0	409.4	400.2	391.0	387.0	382.9	387.3	391.8	400.6	413.5	465.4
42.5°	392.6	382.2	373.5	364.9	361.5	358.2	364.1	369.8	381.0	392.9	439.3
45°	369.6	358.9	350.5	342.3	339.6	336.8	342.5	348.1	358.9	370.9	411.6
47.5°	351.2	340.5	332.4	324.4	321.8	319.2	323.9	328.7	337.9	353.5	389.8
50°	336.0	326.5	319.0	311.3	307.3	303.2	307.4	311.6	322.4	342.9	375.3
52.5°	325.5	316.6	309.8	302.8	296.6	290.6	294.7	298.8	313.9	337.4	365.7
55°	319.1	311.3	303.8	296.2	287.6	278.9	285.5	292.0	314.7	336.6	358.7
57.5°	312.8	305.1	296.3	287.5	278.2	268.9	278.4	288.0	315.6	334.9	350.5
60°	303.7	295.9	285.9	275.7	267.5	259.3	271.7	284.2	312.9	325.6	337.9
62.5°	291.0	282.7	270.9	259.1	253.9	248.7	264.2	279.7	306.4	307.9	316.1
65°	274.6	266.6	254.0	241.3	239.3	237.4	253.9	270.4	290.7	290.5	294.3
67.5°	255.8	248.3	236.6	224.9	225.5	226.1	239.8	253.6	265.1	265.6	263.4
70°	235.5	229.0	218.7	208.5	210.6	212.9	222.6	232.4	236.2	236.2	226.2
72.5°	211.0	205.1	197.0	189.0	192.2	195.4	202.0	208.7	208.7	206.3	192.2
75°	182.8	177.4	171.5	165.4	168.5	171.6	176.7	181.9	182.9	171.9	156.1
77.5°	154.9	150.3	145.4	140.5	143.6	146.8	150.9	155.0	155.5	137.5	122.1
80°	124.1	120.3	116.2	112.2	114.8	117.4	120.8	124.3	124.4	102.9	89.9
82.5°	82.4	83.7	84.0	84.4	86.2	88.0	89.8	91.4	90.4	72.1	62.5
85°	45.2	49.0	50.7	52.5	54.5	56.6	58.4	60.2	58.8	45.2	38.2
87.5°	21.4	24.2	24.3	24.4	24.8	25.1	25.8	26.6	24.9	19.3	16.3
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):

	330°	335°	340°	345°	350°	355°	360°
0°	630.2	630.2	630.2	630.2	630.2	630.2	630.2
2.5°	645.1	650.7	656.2	661.7	667.3	672.5	677.7
5°	659.8	671.3	682.9	694.2	705.7	717.2	728.7
7.5°	673.0	690.0	707.0	724.6	742.1	761.1	780.0
10°	683.7	704.4	725.1	748.2	771.3	795.3	819.3
12.5°	689.4	713.8	738.3	764.4	790.7	817.0	843.4
15°	689.9	718.1	746.2	774.6	803.1	830.6	857.9
17.5°	683.2	715.9	748.5	779.5	810.5	838.3	866.2
20°	670.0	709.6	749.2	783.3	817.3	846.3	875.2
22.5°	653.9	702.0	750.2	788.4	826.7	856.2	885.8
25°	635.1	694.5	754.0	797.7	841.4	870.3	899.3
27.5°	617.2	689.5	762.0	812.2	862.4	890.1	917.7
30°	601.5	687.2	772.8	831.0	889.1	915.7	942.5
32.5°	586.2	684.3	782.3	850.6	918.9	945.3	971.7
35°	568.5	678.9	789.2	873.0	956.6	982.0	1007.3
37.5°	545.6	669.4	793.3	898.0	1002.7	1034.8	1067.1
40°	517.2	656.6	795.9	929.8	1063.5	1110.6	1157.5
42.5°	485.7	643.3	800.8	971.3	1141.8	1209.7	1277.6
45°	452.4	630.9	809.4	1026.0	1242.6	1334.1	1425.7
47.5°	426.0	620.7	815.4	1084.3	1353.2	1482.0	1610.9
50°	407.6	609.6	811.5	1138.4	1465.2	1659.5	1853.6
52.5°	393.9	590.8	787.7	1173.5	1559.2	1845.8	2132.3
55°	380.8	559.6	738.5	1165.7	1593.0	2010.9	2429.0
57.5°	366.1	515.8	665.3	1111.3	1557.3	2128.1	2698.9
60°	350.2	458.7	567.2	1009.9	1452.6	2157.3	2862.0
62.5°	324.2	390.5	456.7	872.9	1289.0	2034.1	2779.2
65°	298.2	329.1	360.0	733.1	1106.2	1859.8	2613.4
67.5°	261.3	270.1	278.9	596.1	913.4	1652.3	2391.3
70°	216.3	213.7	211.3	469.3	727.5	1426.0	2124.5
72.5°	178.1	170.5	163.0	358.9	554.7	1180.6	1806.5
75°	140.2	133.4	126.5	260.5	394.3	899.3	1404.2
77.5°	106.8	102.1	97.4	176.5	255.5	629.5	1003.3
80°	76.9	74.9	73.0	113.7	154.4	405.5	656.6
82.5°	52.9	52.5	52.2	69.9	87.7	234.7	381.7
85°	31.2	31.4	31.6	37.4	43.3	105.6	167.9
87.5°	13.5	13.6	13.8	15.5	17.2	34.5	52.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)