

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: P158869

Luminaire Tested: **VST-E03-LED-E-U-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158869
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E03-LED-E-U-SLL-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7363.3 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 75.2
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: 28.75 FT



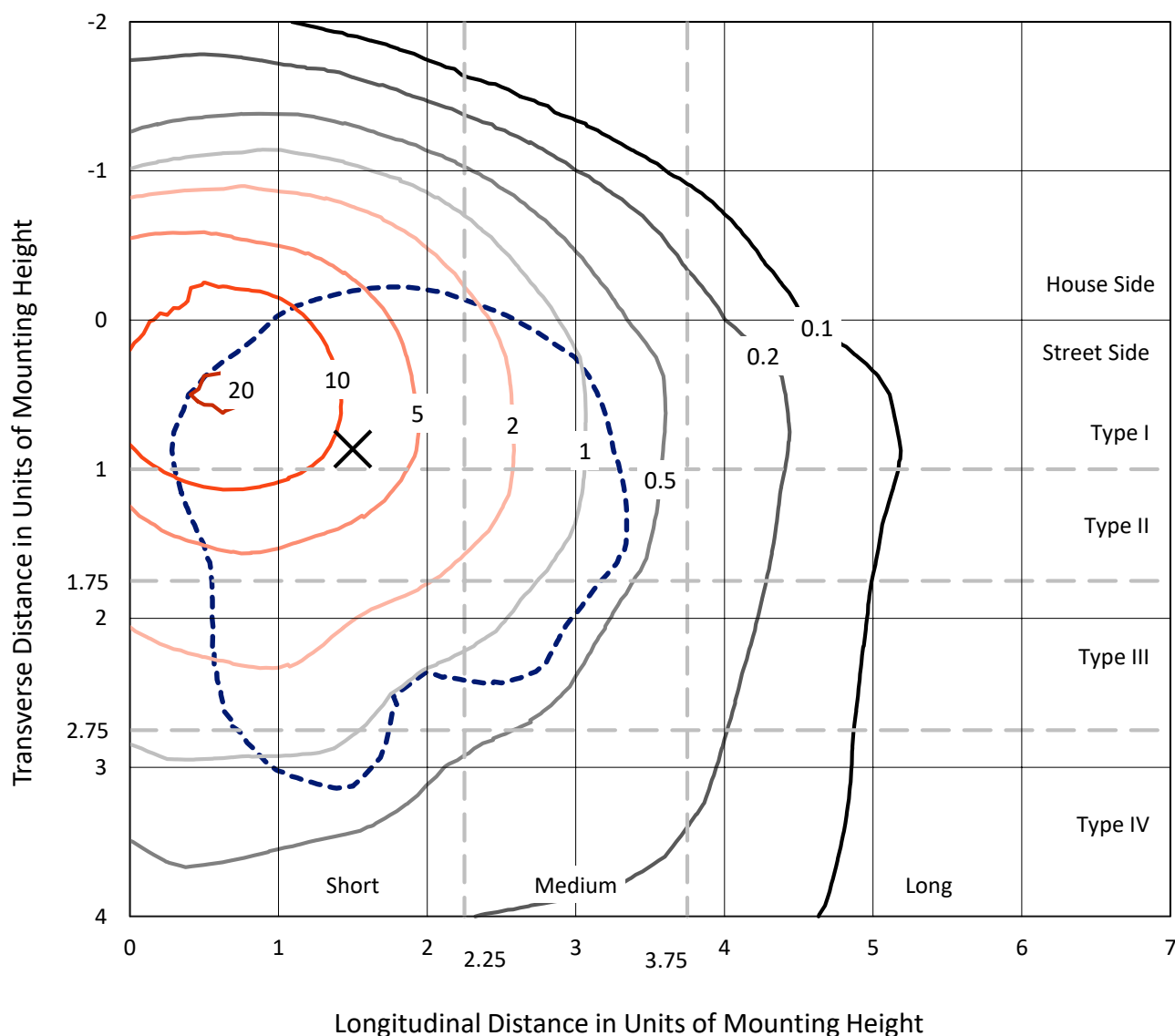
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

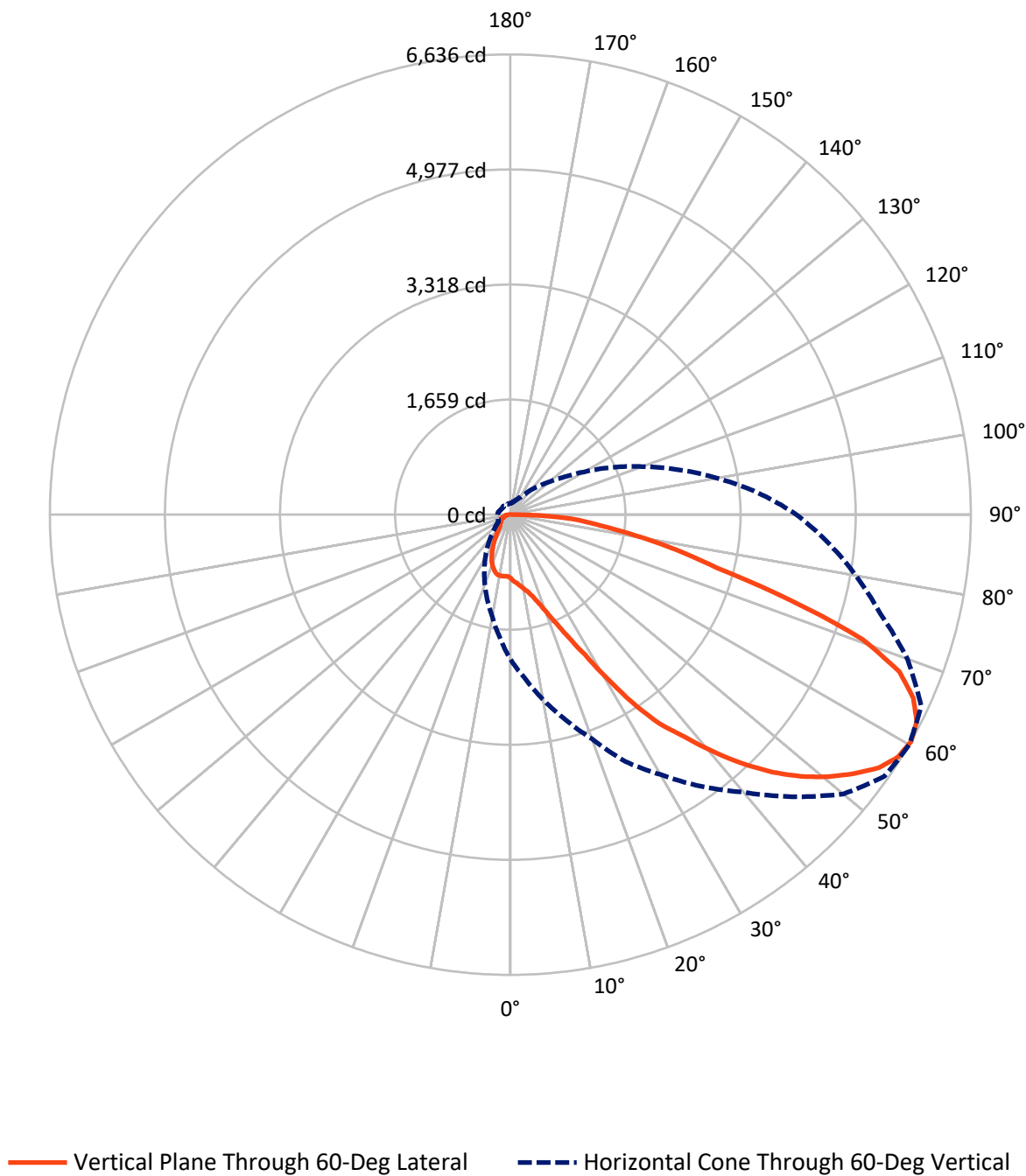


Based on 10 foot mounting height. Maximum calculated value = 21.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1658.0	0.0	1658.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	5705.3	0.0	5705.3
	% Fixture	77.5	0.0	77.5
Total	Lumens	7363.3	0.0	7363.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	1.2
10°-20°	291.7	4.0
20°-30°	553.5	7.5
30°-40°	871.7	11.8
40°-50°	1216.7	16.5
50°-60°	1504.8	20.4
60°-70°	1559.8	21.2
70°-80°	981.5	13.3
80°-90°	293.4	4.0
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°	7363.3	100.0
0°-180°	7363.3	100.0

Coefficient of Utilization



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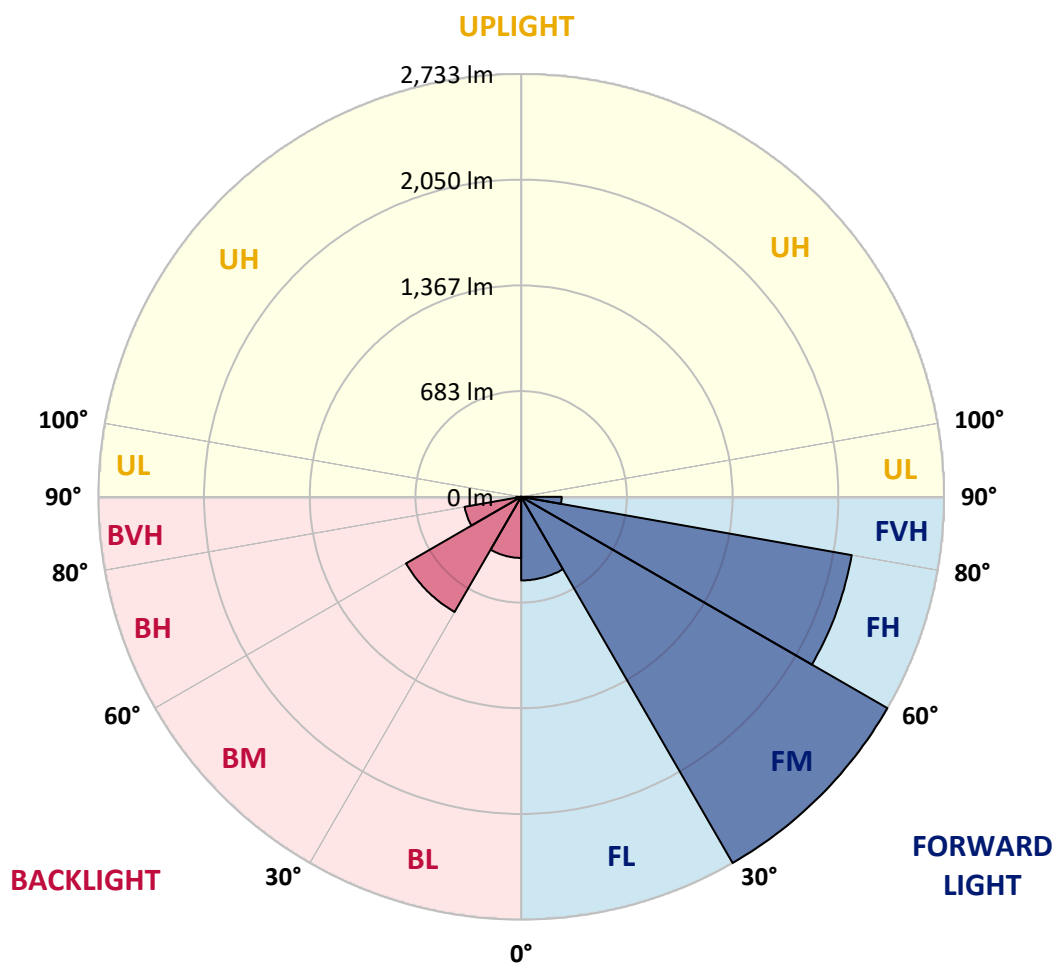
CATALOG NUMBER: VST-E03-LED-E-U-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	540.6	7.3			
FM	(30°-60°)	2733.4	37.1			
FH	(60°-80°)	2169.9	29.5			G2/5000
FVH	(80°-90°)	261.5	3.6			G3/500
BL	(0°-30°)	395.0	5.4	B1/500		
BM	(30°-60°)	859.8	11.7	B1/1000		
BH	(60°-80°)	371.3	5.0	B1/500		G1/500
BVH	(80°-90°)	31.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7
2.5°	970.0	968.9	968.9	968.9	968.3	967.3	968.9	968.3	965.6	964.0	965.6
5°	982.6	983.2	984.8	985.3	985.3	986.9	991.4	991.9	991.4	992.5	995.2
7.5°	994.6	997.4	999.0	1001.8	1005.1	1007.8	1015.4	1023.1	1028.0	1031.9	1033.0
10°	1014.4	1018.7	1023.7	1030.8	1038.5	1052.2	1058.8	1066.4	1071.4	1079.0	1080.7
12.5°	1064.8	1070.3	1073.6	1084.5	1094.4	1107.5	1116.8	1119.1	1130.5	1137.1	1144.8
15°	1149.7	1157.9	1169.5	1176.0	1187.0	1198.5	1206.7	1217.7	1219.3	1228.1	1234.1
17.5°	1253.8	1265.3	1288.9	1304.8	1319.0	1330.6	1347.0	1359.6	1362.4	1372.2	1359.6
20°	1399.6	1427.6	1431.4	1463.2	1475.8	1498.8	1531.7	1537.7	1553.6	1537.7	1528.4
22.5°	1596.9	1640.8	1652.8	1683.5	1698.8	1733.9	1743.8	1776.1	1787.0	1775.0	1749.8
25°	1823.8	1891.7	1926.8	1973.9	1981.6	2053.4	2061.1	2098.9	2078.6	2049.5	2050.1
27.5°	1990.9	2106.5	2197.0	2277.5	2334.0	2415.1	2478.1	2495.6	2476.4	2438.6	2425.5
30°	2086.3	2217.2	2347.1	2458.4	2589.9	2713.7	2842.5	2906.6	2917.6	2937.4	2857.9
32.5°	2147.6	2315.9	2470.4	2608.0	2742.8	2902.3	3074.9	3239.8	3378.5	3483.2	3433.9
35°	2199.2	2406.8	2604.7	2771.3	2930.8	3104.5	3278.8	3473.3	3702.9	3837.2	3865.1
37.5°	2220.0	2473.7	2716.0	2929.7	3153.8	3349.4	3522.6	3695.8	3936.9	4176.4	4250.3
40°	2216.2	2506.6	2782.3	3050.8	3325.3	3569.8	3772.5	3977.5	4259.7	4539.7	4660.3
42.5°	2190.4	2511.5	2824.4	3131.3	3444.2	3769.2	4028.4	4264.6	4535.3	4894.3	5064.7
45°	2158.1	2494.6	2833.2	3172.4	3532.5	3908.4	4236.1	4528.2	4845.5	5200.1	5406.1
47.5°	2114.2	2467.7	2822.3	3186.7	3571.9	3997.7	4383.0	4734.2	5083.3	5491.6	5753.0
50°	2066.5	2429.3	2799.8	3176.3	3581.8	4046.5	4466.8	4866.9	5274.6	5715.2	6045.7
52.5°	2033.1	2388.2	2779.5	3154.9	3571.9	4061.3	4497.5	4938.1	5391.9	5847.2	6241.9
55°	1992.0	2333.4	2725.3	3105.0	3535.7	4053.1	4494.2	4962.8	5424.2	5898.2	6348.7
57.5°	1994.8	2308.2	2679.2	3045.3	3461.8	3976.9	4432.3	4938.1	5373.2	5865.4	6352.6
60°	2081.3	2362.5	2703.4	3057.4	3439.9	3928.7	4327.1	4779.2	5223.7	5751.9	6263.8
62.5°	2260.0	2517.5	2827.2	3177.9	3563.2	4025.2	4279.4	4515.1	4909.6	5543.1	6112.5
65°	2473.2	2705.5	2974.1	3307.8	3739.6	4181.9	4252.6	4300.3	4499.7	5137.0	5828.6
67.5°	2686.3	2894.0	3105.0	3381.8	3839.9	4226.8	4142.9	4029.5	4136.9	4665.2	5270.8
70°	2763.1	3038.7	3177.4	3367.5	3763.7	4122.1	3965.9	3680.5	3717.7	4197.8	4640.6
72.5°	2648.0	3040.9	3086.9	3157.6	3424.5	3761.5	3596.6	3229.4	3221.8	3588.4	3946.2
75°	2221.1	2774.0	2773.5	2747.2	2807.5	2999.3	2913.8	2692.4	2786.1	3074.9	3192.7
77.5°	1583.2	2164.6	2192.0	2015.0	2010.7	2097.2	2148.7	2406.3	2746.1	2908.3	2871.0
80°	994.6	1460.5	1578.2	1359.6	1313.0	1435.8	1754.2	2129.0	2547.2	2692.9	2567.4
82.5°	599.0	940.9	1191.9	1068.1	1057.1	1280.7	1632.5	1778.3	1903.8	2058.9	1849.0
85°	406.6	626.9	815.5	840.1	936.0	1167.2	1320.2	1255.5	1258.8	1218.2	1109.7
87.5°	77.8	171.0	279.5	340.9	378.1	508.0	552.4	500.3	528.3	386.3	422.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7
2.5°	962.9	962.9	962.9	960.1	960.7	956.8	955.2	955.2	953.5	953.5	953.0
5°	993.0	989.7	991.4	990.8	990.8	985.3	982.6	982.6	975.5	976.0	973.8
7.5°	1037.9	1037.4	1039.0	1035.7	1031.3	1027.0	1022.6	1020.4	1010.5	1004.5	1000.7
10°	1088.9	1088.3	1090.0	1089.4	1081.8	1073.6	1061.5	1052.7	1040.7	1031.3	1022.0
12.5°	1144.8	1144.3	1143.1	1138.2	1130.0	1116.8	1101.5	1086.7	1068.6	1056.5	1042.9
15°	1231.9	1230.3	1223.7	1216.6	1207.8	1187.5	1160.7	1139.3	1115.2	1094.4	1071.9
17.5°	1360.7	1347.0	1345.9	1330.0	1306.4	1279.6	1254.4	1218.8	1184.3	1153.0	1122.3
20°	1538.3	1506.5	1497.7	1479.6	1448.4	1420.4	1365.7	1318.0	1270.9	1228.1	1189.2
22.5°	1731.7	1708.7	1687.3	1657.7	1615.0	1574.5	1504.9	1445.1	1384.8	1330.0	1286.7
25°	2001.9	1961.9	1923.5	1876.4	1817.2	1769.0	1689.5	1629.2	1550.3	1500.5	1438.0
27.5°	2351.0	2282.5	2217.8	2177.2	2073.1	2003.0	1901.6	1823.8	1728.4	1661.0	1587.1
30°	2805.2	2725.8	2629.9	2489.6	2365.7	2226.5	2101.1	2001.4	1900.0	1805.7	1720.2
32.5°	3368.6	3228.3	3076.5	2854.0	2650.7	2452.3	2285.2	2162.5	2058.9	1941.6	1821.1
35°	3844.9	3700.1	3484.8	3202.0	2951.0	2724.2	2524.1	2356.4	2221.1	2072.6	1913.1
37.5°	4220.8	4055.8	3853.6	3553.3	3288.1	3029.9	2820.1	2606.3	2428.8	2224.4	2022.7
40°	4651.5	4486.0	4263.5	3952.3	3638.2	3358.2	3112.1	2891.3	2673.2	2423.8	2164.6
42.5°	5026.9	4907.5	4682.2	4360.5	4012.6	3700.7	3431.6	3179.0	2894.0	2615.1	2308.2
45°	5418.2	5296.5	5082.8	4746.3	4376.4	4029.0	3707.3	3435.5	3099.0	2766.9	2415.6
47.5°	5764.0	5639.0	5423.1	5088.8	4695.9	4329.8	3975.8	3647.0	3256.3	2874.8	2485.8
50°	6093.9	5941.0	5743.1	5410.0	4990.2	4598.9	4214.8	3792.8	3378.5	2950.5	2533.4
52.5°	6396.9	6202.4	6014.9	5671.9	5218.1	4809.4	4380.8	3916.6	3453.5	3010.2	2565.8
55°	6569.0	6443.5	6219.4	5882.3	5380.4	4954.0	4486.0	4003.7	3528.1	3052.4	2579.5
57.5°	6622.1	6591.5	6403.5	6004.0	5475.7	5033.5	4557.2	4072.8	3578.0	3064.5	2560.3
60°	6580.0	6635.9	6532.8	6089.5	5519.0	5057.0	4592.3	4122.1	3586.7	3026.1	2502.2
62.5°	6444.6	6571.7	6558.6	6118.0	5496.5	5027.5	4588.5	4096.9	3504.5	2906.6	2371.8
65°	6222.1	6382.1	6438.6	6012.2	5369.9	4919.5	4490.9	3938.5	3276.0	2673.2	2153.2
67.5°	5803.4	6045.7	6100.4	5665.9	5039.0	4620.8	4209.8	3609.7	2852.9	2312.0	1811.7
70°	4964.4	5388.1	5462.0	5006.1	4455.3	4088.2	3739.6	3088.6	2375.6	1854.5	1390.3
72.5°	3963.2	4229.5	4380.8	4066.8	3656.9	3390.5	3126.4	2369.6	1792.6	1368.4	956.8
75°	3098.5	3082.6	3217.9	3009.1	2768.0	2643.6	2445.2	1653.4	1200.7	906.4	605.6
77.5°	2649.1	2445.2	2291.2	2144.3	2001.4	1961.9	1771.7	1025.9	742.0	543.1	362.2
80°	2201.9	1829.8	1548.7	1342.1	1291.1	1368.9	1159.6	605.0	439.5	311.8	227.4
82.5°	1573.3	1316.3	1071.4	940.4	853.3	977.1	683.9	335.9	238.4	186.9	150.7
85°	1019.8	974.9	964.5	921.8	816.0	770.5	519.5	289.3	178.7	116.2	93.7
87.5°	392.4	503.1	580.3	622.0	672.4	599.0	270.7	99.7	98.1	60.3	45.5
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°	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7
2.5°	949.1	947.0	946.4	944.8	943.7	943.7	940.9	891.1	890.5	890.5	890.0
5°	969.4	966.7	964.0	963.4	961.2	961.2	958.4	908.6	908.6	908.6	907.5
7.5°	996.8	991.4	988.1	986.4	983.2	984.8	986.9	936.5	937.1	936.5	937.6
10°	1016.6	1013.3	1009.4	1008.4	1006.1	1007.8	1011.1	961.2	962.9	963.4	964.5
12.5°	1035.7	1030.3	1025.3	1023.7	1022.6	1027.0	1030.8	982.6	984.2	985.9	985.9
15°	1059.3	1050.0	1043.4	1039.6	1037.4	1041.8	1047.2	999.6	1000.1	1001.8	1001.2
17.5°	1099.3	1085.6	1070.3	1067.5	1060.4	1062.1	1063.1	1010.0	1007.8	1004.0	997.4
20°	1161.2	1140.4	1119.6	1110.8	1096.6	1090.6	1078.5	1010.5	996.8	985.3	975.5
22.5°	1250.0	1219.3	1196.9	1182.1	1153.0	1132.7	1099.9	1007.8	982.0	962.3	947.0
25°	1393.6	1356.9	1322.3	1285.1	1239.6	1199.0	1150.8	1031.9	991.9	957.9	928.3
27.5°	1533.4	1475.2	1422.1	1366.2	1302.1	1241.2	1173.3	1039.6	994.1	950.2	902.0
30°	1638.0	1553.6	1473.1	1391.4	1307.6	1228.6	1151.9	1013.3	959.0	909.7	858.7
32.5°	1701.6	1592.0	1487.3	1385.9	1287.3	1198.5	1112.5	967.8	908.0	850.0	795.7
35°	1761.8	1625.9	1496.0	1376.6	1263.7	1165.1	1072.4	914.6	843.4	781.4	713.0
37.5°	1836.4	1661.6	1501.6	1359.6	1229.2	1116.3	1014.4	847.8	776.5	700.4	635.7
40°	1925.7	1698.3	1496.0	1325.6	1175.5	1052.2	944.2	777.6	698.2	624.2	560.6
42.5°	2010.7	1730.6	1481.8	1280.2	1116.8	985.3	880.1	715.1	635.7	560.0	497.0
45°	2073.7	1758.0	1474.7	1248.4	1071.9	939.8	823.7	664.7	580.9	504.7	440.6
47.5°	2117.5	1774.4	1471.4	1230.8	1040.7	892.7	772.1	614.3	526.1	449.3	386.9
50°	2140.5	1773.9	1463.2	1211.6	994.6	836.3	719.0	563.3	475.7	400.6	343.6
52.5°	2146.6	1764.1	1445.6	1176.6	938.8	779.8	662.0	510.2	431.3	359.5	302.0
55°	2132.9	1739.9	1408.9	1117.9	879.0	720.1	610.0	468.5	388.0	320.0	275.1
57.5°	2093.9	1697.2	1339.9	1037.4	816.0	664.7	550.2	418.1	340.9	283.9	246.6
60°	2021.6	1606.7	1231.9	942.0	736.0	580.3	468.0	352.4	291.0	248.2	218.1
62.5°	1887.9	1464.8	1080.1	810.5	620.9	470.8	373.7	281.1	235.1	207.1	188.5
65°	1672.5	1251.1	904.2	638.5	471.8	342.5	277.9	211.6	178.1	161.1	155.6
67.5°	1365.1	966.1	657.6	443.3	319.5	240.0	193.4	154.6	138.7	132.1	129.9
70°	992.5	658.1	425.8	280.0	211.0	167.7	146.3	124.4	115.6	114.0	114.0
72.5°	623.1	400.0	260.9	191.8	160.0	135.9	124.9	109.6	106.3	105.2	103.6
75°	365.5	242.8	184.7	157.3	137.0	121.7	112.3	99.7	97.6	97.0	95.3
77.5°	232.9	174.8	149.0	134.3	123.8	110.2	101.9	88.8	88.2	87.7	87.1
80°	167.2	145.2	130.4	118.9	108.5	95.9	91.0	80.6	79.4	78.9	80.0
82.5°	126.6	120.0	114.0	105.2	91.0	81.7	77.8	70.7	71.2	68.5	68.0
85°	87.1	86.0	85.5	81.7	71.2	63.0	60.3	56.5	59.2	56.5	53.2
87.5°	42.7	42.2	38.9	46.0	42.7	34.0	30.7	34.0	37.8	36.7	34.0
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7
2.5°	887.8	885.6	887.2	886.1	886.1	885.6	886.7	885.1	883.9	885.1	885.6
5°	905.3	902.6	903.1	899.3	900.9	897.1	898.2	895.4	892.7	891.6	891.6
7.5°	934.9	932.2	928.9	928.3	922.3	920.1	916.3	914.1	912.4	908.6	906.4
10°	961.7	957.4	953.5	953.0	947.0	941.5	936.5	932.2	929.4	923.9	921.2
12.5°	983.7	979.3	973.3	970.0	964.0	957.4	954.1	947.5	943.7	937.6	932.7
15°	996.3	988.6	979.9	973.8	965.0	957.9	953.0	948.1	944.2	936.5	929.4
17.5°	990.2	977.6	965.6	954.7	942.6	936.0	928.9	922.9	921.8	913.0	902.0
20°	965.0	950.2	934.4	919.6	903.7	894.4	885.6	876.2	873.5	863.1	848.9
22.5°	934.4	917.3	899.3	881.2	860.9	847.8	834.6	823.1	813.8	798.5	778.2
25°	903.1	877.9	851.6	828.6	805.0	788.6	774.9	762.3	751.3	726.7	705.8
27.5°	862.0	822.5	795.7	769.4	740.9	719.5	704.2	686.6	674.6	646.1	624.2
30°	809.4	770.0	731.6	705.3	676.8	653.8	634.0	608.8	591.3	570.5	550.2
32.5°	743.1	703.6	664.7	635.2	611.6	583.1	558.4	534.3	514.0	493.7	477.8
35°	662.5	624.2	587.5	557.9	531.5	509.1	485.5	464.7	441.7	419.8	410.5
37.5°	577.6	536.5	496.0	470.2	449.3	433.5	411.5	394.6	373.7	360.6	349.6
40°	503.6	459.8	421.4	399.5	383.0	365.0	346.9	333.7	319.0	305.8	297.5
42.5°	441.1	400.0	367.1	348.5	328.8	309.1	295.4	284.4	275.1	265.3	255.4
45°	383.6	344.2	316.7	293.8	277.3	261.4	252.1	247.1	241.7	235.6	229.1
47.5°	335.4	301.4	274.6	253.2	236.2	225.2	220.9	219.2	217.0	212.1	208.8
50°	298.7	270.7	243.3	224.2	209.9	204.4	199.5	197.8	195.1	193.4	191.3
52.5°	268.0	238.4	215.3	197.8	189.1	186.9	184.7	182.5	181.9	180.8	179.8
55°	242.8	217.0	195.7	182.5	178.1	176.5	175.9	173.7	173.2	173.2	171.5
57.5°	220.3	198.4	179.2	171.0	168.2	166.6	165.5	164.4	164.4	165.5	164.9
60°	197.3	178.7	167.2	162.8	161.1	158.4	155.6	154.6	155.1	157.8	157.8
62.5°	174.8	161.1	154.0	152.3	150.7	148.5	145.2	144.1	145.2	148.5	150.2
65°	150.2	144.1	142.0	140.8	139.7	138.1	135.9	134.8	135.4	137.0	139.2
67.5°	127.7	127.1	127.1	127.7	127.1	126.6	125.5	123.8	123.3	123.3	124.4
70°	114.0	114.0	115.6	115.6	115.1	115.1	113.5	111.8	110.7	109.6	110.2
72.5°	103.6	103.6	104.1	104.6	104.1	104.1	101.9	100.9	98.1	97.6	96.4
75°	94.8	93.7	93.7	93.2	92.6	93.2	91.0	88.2	87.1	86.6	85.5
77.5°	86.0	83.8	82.7	81.7	82.2	81.7	80.0	78.4	76.7	76.2	75.6
80°	76.2	72.9	71.2	68.5	70.1	70.7	69.6	68.0	67.4	66.8	66.3
82.5°	63.0	59.8	57.5	55.9	54.8	55.9	57.5	61.4	60.3	59.8	58.6
85°	49.3	43.9	41.1	41.6	38.9	39.5	44.4	46.6	46.6	47.7	46.6
87.5°	28.0	26.9	20.3	18.7	19.7	23.6	26.3	29.0	29.0	27.4	30.7
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°	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7
2.5°	885.6	886.7	887.2	889.4	890.5	891.1	891.6	892.7	893.3	892.7	895.4
5°	890.0	890.0	888.9	890.5	891.1	891.1	890.0	891.1	891.1	891.1	893.8
7.5°	901.5	898.2	896.5	894.4	892.7	890.5	887.8	887.8	887.2	887.8	889.4
10°	913.6	908.6	902.6	897.1	892.1	888.3	883.4	881.8	881.2	880.7	885.1
12.5°	922.9	914.1	904.7	895.4	885.6	879.0	870.8	865.9	865.3	865.3	870.8
15°	916.3	902.0	883.9	867.5	858.7	849.4	840.1	834.1	833.5	834.6	837.9
17.5°	883.4	860.4	844.5	828.6	817.1	809.4	803.4	802.3	804.5	802.3	806.7
20°	827.5	802.9	791.9	779.3	774.9	769.4	760.6	752.9	752.9	743.1	745.9
22.5°	755.2	741.5	727.2	717.4	714.1	704.8	695.4	685.0	683.9	671.9	670.2
25°	679.6	665.8	654.3	652.1	642.2	629.6	620.9	608.8	606.1	594.1	592.4
27.5°	602.3	591.3	579.8	573.2	567.7	554.0	546.4	532.1	526.6	513.5	511.9
30°	528.8	521.2	507.5	502.0	491.6	475.7	459.2	450.5	446.1	432.4	428.0
32.5°	459.8	447.7	437.3	430.7	417.6	399.5	384.7	372.1	363.9	347.5	343.1
35°	394.0	382.0	377.0	360.1	348.5	336.5	316.2	308.5	293.8	281.1	276.7
37.5°	335.9	324.4	317.8	303.6	292.1	280.0	268.0	258.1	251.0	248.2	248.2
40°	286.1	280.0	271.8	261.4	253.7	245.0	238.4	235.1	234.5	235.6	238.4
42.5°	250.4	243.8	238.4	232.9	227.4	226.3	224.7	226.9	229.6	232.4	235.1
45°	223.6	218.1	214.8	212.6	212.1	213.7	217.0	220.3	225.2	228.5	230.7
47.5°	204.4	200.0	198.9	198.4	201.1	206.0	210.4	215.3	219.2	222.5	224.7
50°	188.0	184.1	183.6	183.1	186.9	191.3	195.1	201.7	204.4	206.6	208.3
52.5°	176.5	173.2	171.5	172.1	175.9	179.8	185.2	190.1	194.0	195.7	197.3
55°	167.2	166.0	162.2	163.9	167.7	172.6	178.1	183.6	187.4	190.1	192.9
57.5°	160.0	157.3	154.6	157.3	161.1	166.0	172.6	177.5	182.5	186.3	189.1
60°	152.3	150.2	148.0	150.7	154.6	159.5	164.4	171.0	177.0	180.8	183.6
62.5°	145.8	144.1	142.0	142.5	144.1	147.4	150.2	156.2	161.6	166.6	169.9
65°	136.4	135.9	132.6	133.1	134.3	137.6	139.7	145.2	150.7	155.1	157.8
67.5°	122.8	121.7	121.7	123.3	123.8	125.5	127.1	132.6	137.0	140.3	143.6
70°	109.1	108.5	108.5	109.6	109.1	110.7	112.9	117.8	123.3	126.6	129.9
72.5°	95.9	95.9	95.3	96.4	96.4	97.0	99.7	104.1	109.1	111.8	114.0
75°	84.4	83.8	83.8	83.8	84.4	84.4	87.1	91.0	95.9	97.6	100.9
77.5°	74.0	74.0	74.0	74.0	74.5	74.0	75.6	78.4	80.0	82.7	82.7
80°	65.2	64.7	65.2	65.8	65.8	65.2	65.2	65.8	66.3	66.3	66.3
82.5°	57.5	55.9	57.0	59.8	59.8	59.8	59.2	55.3	52.6	52.6	53.7
85°	46.0	46.0	46.6	50.4	50.9	48.8	50.9	45.5	40.0	38.3	39.5
87.5°	28.5	22.4	27.4	31.3	31.3	29.6	32.9	30.7	25.7	20.8	19.7
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	0°
2.5°	897.7	898.2	901.5	903.1	903.1	905.3	906.4	909.7	909.1	909.1	910.3	2.5°
5°	896.5	898.2	901.5	903.7	904.7	907.5	909.7	913.6	913.0	914.1	914.6	5°
7.5°	892.7	897.1	900.4	904.7	908.6	910.8	913.6	916.8	915.7	916.3	915.7	7.5°
10°	889.4	893.8	900.4	906.4	911.9	915.2	916.8	920.6	920.1	921.2	921.2	10°
12.5°	876.2	883.9	892.1	901.5	909.7	918.5	923.9	932.2	936.0	940.9	946.4	12.5°
15°	842.8	851.6	864.8	875.2	891.1	903.1	919.0	934.9	949.1	962.9	978.7	15°
17.5°	809.9	813.8	824.2	838.4	852.7	870.8	890.0	918.5	944.2	972.2	1002.8	17.5°
20°	749.1	755.7	762.8	779.8	796.8	822.5	846.1	883.4	921.2	965.0	1012.2	20°
22.5°	674.0	680.6	688.3	707.5	728.3	754.6	783.1	824.8	875.2	932.2	995.2	22.5°
25°	592.9	596.8	602.8	622.0	634.6	669.1	703.6	746.9	801.7	875.2	948.6	25°
27.5°	503.6	510.7	515.7	524.5	553.5	583.1	619.3	665.8	732.1	807.2	896.0	27.5°
30°	418.1	424.1	421.4	440.0	459.2	490.4	529.4	580.9	644.5	733.8	836.3	30°
32.5°	334.3	338.7	337.0	350.2	369.4	400.6	437.3	493.2	560.6	656.0	767.2	32.5°
35°	275.6	276.7	282.8	288.8	305.2	330.5	361.7	410.5	479.5	567.2	685.0	35°
37.5°	248.2	250.4	254.3	262.5	274.6	292.6	318.4	356.2	415.4	492.7	597.9	37.5°
40°	240.0	241.7	243.8	249.4	260.9	276.7	299.8	331.6	374.8	440.0	525.5	40°
42.5°	236.2	236.2	236.2	239.5	248.2	265.3	291.5	322.8	360.6	409.9	479.0	42.5°
45°	230.7	230.7	230.2	231.8	237.8	254.8	283.3	318.4	358.9	406.1	465.8	45°
47.5°	224.7	224.2	222.5	222.5	226.3	243.3	272.9	310.7	355.1	409.4	473.5	47.5°
50°	208.3	208.3	208.3	209.9	213.2	228.5	260.3	300.3	351.3	411.5	485.5	50°
52.5°	198.9	199.5	201.1	201.1	204.4	220.3	253.7	298.1	353.5	419.8	500.9	52.5°
55°	194.5	196.2	197.8	197.8	200.6	217.0	251.5	299.8	361.7	436.7	527.2	55°
57.5°	190.7	192.4	193.4	193.4	195.7	209.9	245.5	297.0	366.6	453.2	559.5	57.5°
60°	183.6	184.7	185.2	185.2	185.8	197.8	231.8	283.9	355.7	452.1	577.1	60°
62.5°	170.5	172.6	173.2	173.7	173.7	185.2	214.3	262.5	332.1	435.7	572.1	62.5°
65°	160.6	161.6	163.3	164.4	166.6	174.2	197.3	236.8	301.4	402.8	544.7	65°
67.5°	145.2	146.9	148.5	150.7	152.9	157.8	175.9	207.7	259.7	346.9	483.4	67.5°
70°	131.5	132.1	133.7	136.4	137.0	139.7	152.9	174.8	212.6	278.4	389.1	70°
72.5°	114.5	115.6	117.8	121.1	121.1	123.3	131.0	142.5	166.6	212.6	287.2	72.5°
75°	99.7	100.9	102.5	102.5	99.7	100.3	105.8	114.0	132.1	160.0	209.3	75°
77.5°	82.7	85.0	86.6	83.3	82.2	83.8	86.6	92.6	105.8	127.1	157.3	77.5°
80°	68.5	69.6	70.1	70.7	69.6	71.2	73.4	77.3	86.0	102.5	124.4	80°
82.5°	54.8	55.9	57.5	59.8	59.8	65.8	66.3	66.3	71.2	81.7	97.6	82.5°
85°	40.6	42.7	44.9	47.7	48.2	51.5	49.9	49.3	50.9	60.8	67.4	85°
87.5°	20.8	22.4	23.6	25.7	23.0	24.1	24.1	22.4	19.7	24.7	27.4	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
915.7	915.7	915.7	915.7	915.7	915.7	915.7
911.3	910.3	911.3	911.3	913.0	911.9	970.0
915.7	914.6	915.7	916.8	918.5	918.5	982.6
916.3	916.3	915.2	917.9	920.1	922.3	994.6
922.9	922.9	923.9	924.5	929.4	934.9	1014.4
949.7	952.4	957.4	959.0	967.8	973.8	1064.8
990.8	1006.1	1016.0	1019.3	1027.0	1038.5	1149.7
1032.5	1058.2	1085.0	1101.5	1111.4	1125.1	1253.8
1063.7	1111.9	1157.9	1199.0	1222.6	1249.4	1399.6
1066.4	1143.1	1220.9	1297.1	1360.1	1410.1	1596.9
1040.1	1141.0	1248.4	1365.1	1473.6	1563.5	1823.8
1006.7	1130.5	1267.6	1416.6	1559.1	1691.7	1990.9
964.5	1113.0	1270.9	1438.5	1605.7	1765.1	2086.3
900.4	1060.9	1231.4	1416.6	1610.6	1804.6	2147.6
818.2	982.0	1156.9	1367.8	1587.6	1820.5	2199.2
734.3	896.0	1084.0	1302.6	1550.9	1817.8	2220.0
645.5	806.1	998.5	1233.0	1501.0	1792.6	2216.2
585.3	731.6	920.1	1162.3	1445.6	1759.1	2190.4
550.2	678.4	858.2	1097.6	1395.2	1719.1	2158.1
549.7	662.5	825.3	1051.6	1344.2	1674.7	2114.2
568.9	672.4	821.5	1031.9	1316.3	1642.4	2066.5
591.3	699.8	841.7	1039.0	1315.8	1628.2	2033.1
626.9	746.4	886.1	1069.7	1330.0	1625.9	1992.0
672.4	809.4	966.1	1145.3	1385.3	1669.3	1994.8
719.0	883.4	1070.8	1274.7	1494.4	1770.1	2081.3
736.0	940.4	1177.1	1426.5	1657.7	1921.3	2260.0
721.2	953.5	1241.8	1544.3	1816.7	2098.3	2473.2
666.4	900.4	1215.5	1577.7	1908.2	2223.8	2686.3
548.6	768.3	1096.0	1502.6	1901.0	2249.6	2763.1
402.2	595.7	891.1	1276.9	1690.1	2088.5	2648.0
290.5	421.4	643.4	961.7	1336.0	1681.9	2221.1
208.3	292.1	417.6	631.9	910.3	1171.1	1583.2
149.6	198.4	260.3	379.2	554.6	719.0	994.6
110.2	135.9	171.0	235.6	326.6	418.7	599.0
75.1	80.0	103.0	139.2	214.3	308.0	406.6
28.5	32.3	37.8	57.0	95.9	110.2	77.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)