

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: INVUE

Report Number: P181091

Luminaire Tested: **ICM-F04-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181091
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F04-LED-E1-SLR-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (28) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7213.6 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

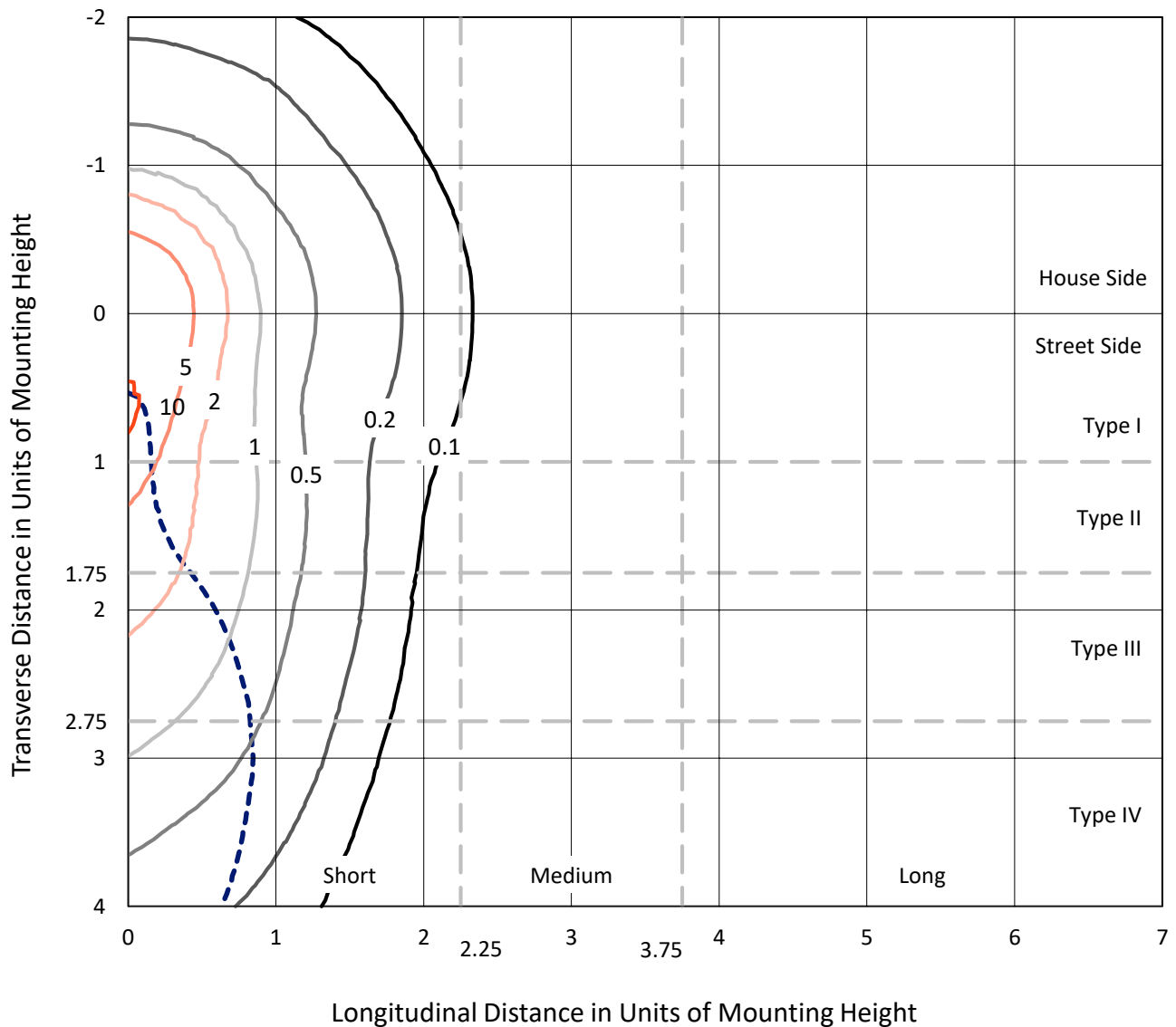
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

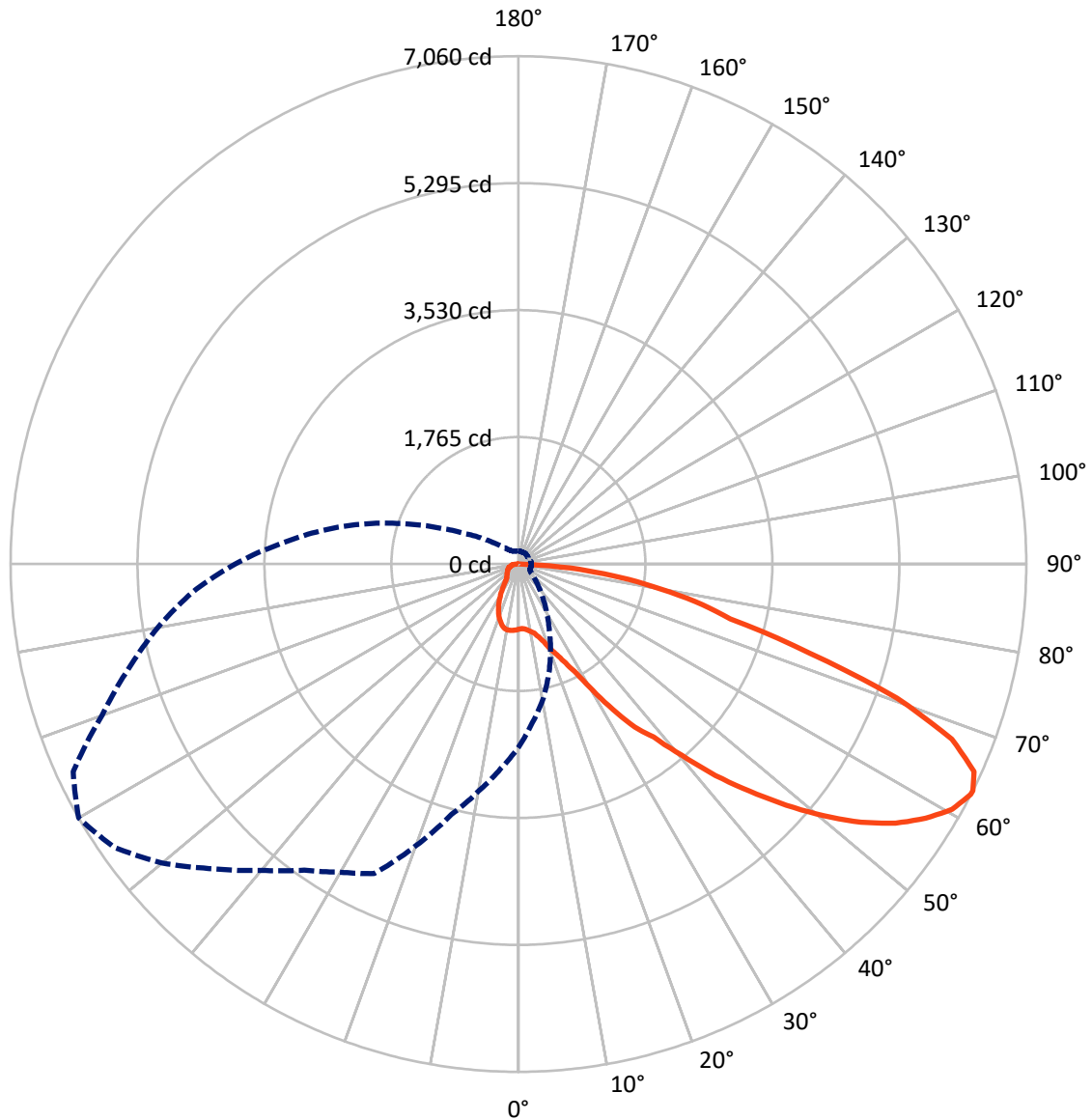
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1564.2	0.0	1564.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	5649.3	0.0	5649.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	7213.6	0.0	7213.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	1.2
10°-20°	274.8	3.8
20°-30°	488.3	6.8
30°-40°	768.9	10.7
40°-50°	1131.5	15.7
50°-60°	1503.0	20.8
60°-70°	1655.6	23.0
70°-80°	1038.7	14.4
80°-90°	264.6	3.7
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°	7213.6	100.0
0°-180°	7213.6	100.0



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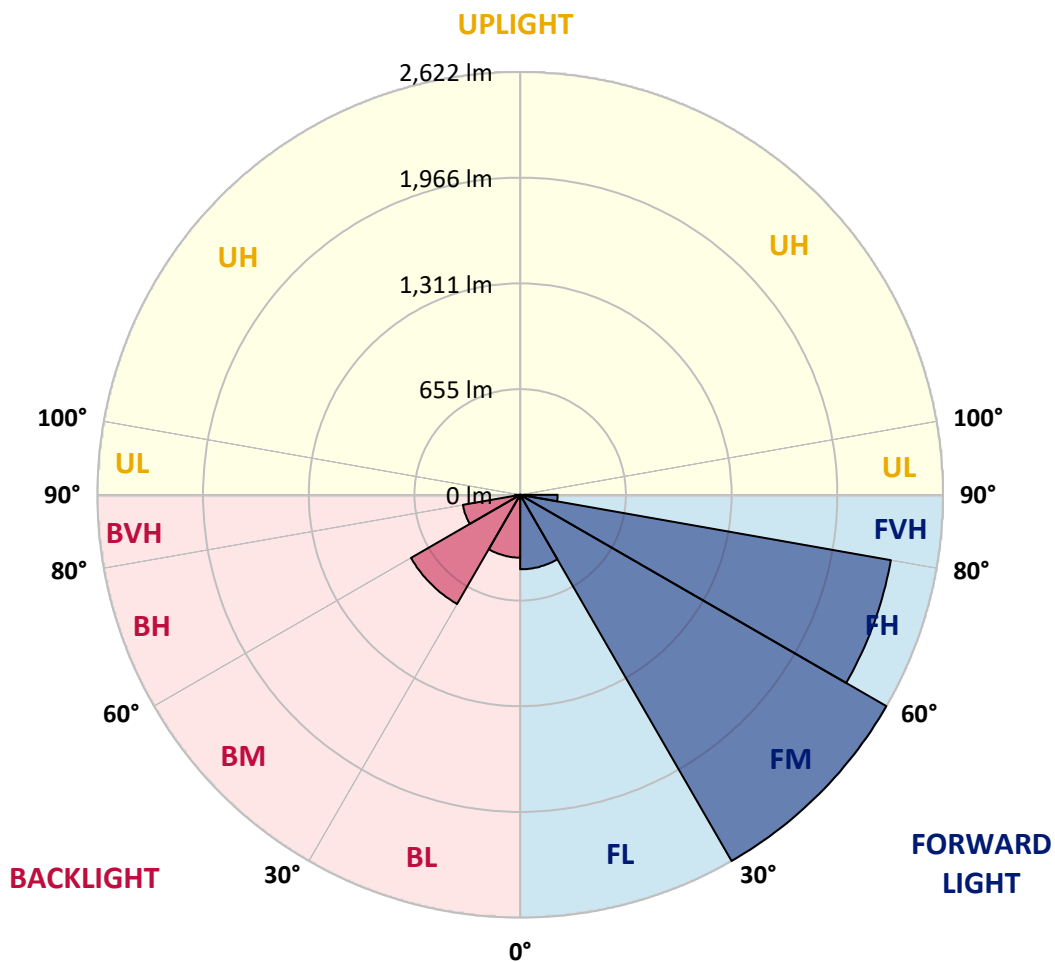
CATALOG NUMBER: ICM-F04-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	461.9	6.4			
FM	(30°-60°)	2621.6	36.3			
FH	(60°-80°)	2333.7	32.4			G2/5000
FVH	(80°-90°)	232.2	3.2			G3/500
BL	(0°-30°)	389.4	5.4	B1/500		
BM	(30°-60°)	781.8	10.8	B1/1000		
BH	(60°-80°)	360.6	5.0	B1/500		G1/500
BVH	(80°-90°)	32.4	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°	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5
2.5°	894.4	897.0	896.2	896.2	897.9	897.0	897.0	897.9	897.9	900.5	903.9
5°	887.5	886.6	884.9	886.6	886.6	886.6	883.2	885.8	886.6	888.4	888.4
7.5°	896.2	893.6	890.1	891.0	891.0	889.2	886.6	887.5	886.6	886.6	885.8
10°	907.4	901.3	897.0	897.0	897.0	895.3	891.0	893.6	893.6	892.7	893.6
12.5°	927.3	920.4	915.2	913.4	913.4	910.8	907.4	910.8	909.1	909.1	907.4
15°	960.1	952.3	946.2	941.1	942.0	942.0	937.6	935.1	931.5	927.3	918.6
17.5°	1009.3	1000.8	992.9	988.7	989.5	983.4	971.4	959.3	942.8	926.4	908.3
20°	1079.4	1076.8	1066.4	1062.1	1051.7	1037.0	1003.3	974.8	942.8	911.7	880.6
22.5°	1200.4	1188.2	1177.9	1161.5	1126.9	1086.2	1030.1	980.0	929.9	885.8	844.3
25°	1362.8	1341.2	1290.2	1240.1	1169.2	1096.7	1020.6	955.8	893.6	835.6	784.7
27.5°	1522.7	1457.0	1366.2	1275.5	1171.8	1076.8	981.7	904.7	832.2	769.1	712.9
30°	1716.3	1605.6	1466.5	1323.1	1176.1	1048.3	934.1	844.3	760.5	694.0	635.2
32.5°	1897.7	1737.9	1555.5	1367.1	1185.7	1021.5	879.7	777.8	691.4	607.5	549.6
35°	2022.2	1814.8	1593.5	1371.5	1162.3	970.4	811.4	691.4	604.9	527.2	458.9
37.5°	2096.5	1848.5	1595.3	1340.3	1107.9	901.3	725.0	605.8	526.2	452.0	398.4
40°	2143.2	1856.3	1572.8	1295.4	1038.7	814.1	638.6	531.4	458.9	399.3	357.8
42.5°	2165.6	1844.1	1536.5	1238.3	968.8	736.3	578.1	477.0	414.0	371.6	340.5
45°	2169.0	1822.5	1497.6	1186.5	906.5	680.1	536.7	454.5	402.7	367.3	336.2
47.5°	2169.0	1803.5	1466.5	1148.5	865.9	655.9	533.2	464.1	413.1	373.3	336.2
50°	2170.8	1797.5	1453.5	1129.5	852.1	668.8	562.6	493.4	435.5	383.7	335.3
52.5°	2178.6	1805.2	1463.9	1144.2	877.1	720.7	617.9	537.5	464.9	395.8	335.3
55°	2195.8	1831.2	1508.0	1195.2	944.6	799.4	684.5	585.0	488.3	400.9	330.1
57.5°	2244.3	1896.8	1588.4	1293.7	1059.4	890.1	744.9	618.8	496.9	396.7	319.7
60°	2341.0	2027.4	1725.8	1431.9	1181.3	967.9	780.4	623.9	489.1	382.8	303.4
62.5°	2495.7	2176.9	1892.6	1582.3	1289.3	1011.1	784.7	611.0	468.4	357.8	279.2
63°	2549.3	2214.0	1928.0	1610.8	1303.2	1014.5	781.2	605.8	463.2	350.9	275.6
65°	2698.8	2370.4	2050.7	1711.1	1342.1	1015.4	762.2	579.8	439.0	324.1	251.4
67.5°	2978.0	2576.1	2205.4	1789.7	1355.9	987.7	713.8	531.4	388.0	282.6	221.2
70°	3154.3	2691.0	2265.0	1791.5	1315.3	909.1	630.0	452.8	323.2	234.2	190.1
72.5°	3108.4	2577.8	2107.7	1629.9	1139.8	759.6	506.4	356.0	252.4	187.5	158.1
75°	2662.5	2145.8	1719.7	1262.5	861.6	558.2	370.7	254.0	186.7	146.9	132.2
77.5°	1916.8	1544.3	1233.2	899.6	580.7	361.2	246.3	181.5	141.8	121.0	108.9
80°	1221.0	905.7	754.4	540.9	339.6	223.8	169.4	137.4	116.7	101.1	93.3
82.5°	637.8	446.8	363.0	276.6	188.4	147.8	124.5	112.4	95.9	83.8	79.5
85°	397.5	263.5	195.3	136.6	94.2	84.7	77.8	76.1	68.3	60.5	57.9
87.5°	44.9	40.7	42.3	26.8	19.9	21.6	20.7	27.6	26.8	19.9	20.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5
2.5°	900.5	902.2	902.2	904.7	904.7	906.5	908.3	908.3	910.0	910.8	912.6
5°	890.1	890.1	890.1	893.6	894.4	899.6	901.3	903.1	904.7	910.8	914.3
7.5°	887.5	884.0	885.8	885.8	888.4	892.7	897.0	899.6	902.2	910.0	915.2
10°	892.7	890.1	887.5	887.5	888.4	890.1	893.6	896.2	897.9	905.7	910.0
12.5°	906.5	900.5	895.3	891.0	887.5	886.6	884.9	885.8	887.5	891.8	897.9
15°	909.1	897.9	886.6	875.4	866.8	861.6	857.2	855.5	855.5	858.1	865.0
17.5°	891.8	872.8	856.4	841.7	832.2	822.7	818.3	814.9	813.2	816.7	817.5
20°	854.7	832.2	809.8	792.5	775.2	772.6	765.7	767.4	769.1	774.3	776.9
22.5°	803.7	776.9	749.2	731.1	717.3	705.1	697.4	700.8	703.4	708.7	711.3
25°	741.5	702.6	673.2	655.1	640.4	630.0	621.3	624.8	621.3	627.4	636.9
27.5°	668.0	622.2	591.1	570.3	560.0	551.4	542.7	542.7	551.4	551.4	559.2
30°	579.0	545.3	504.7	483.1	470.1	464.9	464.1	462.3	468.4	471.8	480.5
32.5°	495.2	453.7	414.8	394.0	382.8	376.7	377.7	378.5	381.1	386.3	400.1
35°	410.5	374.1	346.5	323.2	312.0	300.7	300.7	299.0	301.6	307.6	324.1
37.5°	356.0	324.1	302.4	284.3	273.1	266.1	260.1	257.5	257.5	260.1	266.1
40°	325.8	302.4	282.6	267.1	256.7	250.6	247.2	244.6	242.8	242.8	243.7
42.5°	312.0	287.8	267.9	254.0	246.3	242.8	242.0	241.1	238.5	237.7	236.7
45°	305.0	277.4	254.9	243.7	237.7	235.9	236.7	236.7	235.9	234.2	230.7
47.5°	299.9	267.9	245.4	235.1	232.5	232.5	232.5	232.5	231.6	230.7	228.2
50°	291.3	253.2	229.0	221.2	219.5	219.5	220.4	220.4	222.0	220.4	218.6
52.5°	281.7	239.4	215.2	208.3	207.4	206.5	206.5	206.5	207.4	207.4	206.5
55°	271.4	229.0	208.3	203.1	203.9	203.1	202.2	201.4	201.4	200.5	198.8
57.5°	261.0	220.4	203.1	199.6	200.5	200.5	198.8	197.0	196.2	193.6	191.8
60°	245.4	208.3	192.7	191.0	193.6	193.6	193.6	192.7	192.7	191.8	187.5
62.5°	224.7	191.0	178.9	179.7	180.7	182.3	182.3	182.3	182.3	180.7	176.3
63°	220.4	187.5	176.3	176.3	178.9	178.9	179.7	178.9	179.7	178.0	172.8
65°	203.1	176.3	167.6	168.6	170.2	170.2	170.2	169.4	169.4	166.8	164.2
67.5°	183.2	162.4	157.3	158.1	159.0	160.7	159.9	159.9	160.7	159.0	156.4
70°	160.7	147.8	144.3	145.2	146.0	146.0	145.2	145.2	146.0	144.3	141.8
72.5°	143.4	138.2	135.6	135.6	134.0	134.0	132.2	131.3	130.5	130.5	127.9
75°	121.0	120.1	121.0	122.7	121.0	119.3	118.4	115.8	114.0	114.0	113.2
77.5°	103.7	103.7	105.4	108.0	108.9	108.9	106.3	102.0	101.1	101.1	101.1
80°	89.9	88.2	88.2	90.7	93.3	92.5	88.2	83.8	83.8	88.2	89.0
82.5°	78.6	78.6	76.1	76.9	76.1	75.2	70.9	68.3	67.4	70.9	74.3
85°	62.2	63.1	62.2	61.4	60.5	57.9	54.4	51.8	51.0	54.4	59.6
87.5°	25.0	24.2	23.3	24.2	23.3	25.0	24.2	22.5	21.6	24.2	29.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5
2.5°	913.4	915.2	916.8	916.8	918.6	917.8	918.6	919.4	919.4	920.4	920.4
5°	918.6	921.2	924.7	928.1	929.0	931.5	934.1	932.5	935.1	938.5	938.5
7.5°	920.4	926.4	929.0	934.1	935.1	938.5	944.6	940.2	945.4	948.0	948.8
10°	917.8	923.8	928.1	934.1	936.7	942.8	948.8	947.2	953.2	957.5	958.3
12.5°	902.2	908.3	917.8	926.4	933.3	942.8	954.1	950.6	959.3	964.4	967.0
15°	871.9	878.0	888.4	902.2	915.2	929.9	944.6	947.2	955.8	961.9	964.4
17.5°	824.4	832.2	843.4	858.1	874.5	899.6	918.6	928.1	940.2	943.6	948.0
20°	780.4	788.1	795.1	803.7	815.8	840.0	865.0	884.0	899.6	912.6	916.0
22.5°	721.6	728.5	737.1	744.1	752.7	770.0	790.7	812.3	836.6	844.3	852.9
25°	650.7	655.1	667.2	671.4	677.5	692.2	708.7	724.2	747.5	763.9	768.3
27.5°	574.7	579.0	590.2	592.8	600.6	614.4	626.5	632.6	654.1	671.4	685.3
30°	486.5	497.8	511.6	513.3	522.0	530.6	541.9	547.9	567.7	585.9	603.2
32.5°	410.5	421.7	432.9	439.9	444.2	451.1	462.3	468.4	487.4	503.8	521.1
35°	332.7	346.5	358.6	368.1	371.6	380.3	388.8	394.9	414.8	429.5	441.6
37.5°	274.0	284.3	297.3	306.8	316.3	322.3	332.7	341.3	353.5	361.2	374.1
40°	245.4	250.6	257.5	265.3	273.1	280.0	287.8	294.7	302.4	312.8	321.5
42.5°	235.9	236.7	236.7	239.4	243.7	247.2	254.0	259.3	264.5	272.2	276.6
45°	229.0	228.2	226.4	224.7	225.6	227.3	231.6	235.1	241.1	244.6	245.4
47.5°	225.6	222.0	218.6	216.0	215.2	216.0	219.5	223.0	226.4	229.0	229.9
50°	214.3	211.7	206.5	203.1	201.4	203.1	207.4	209.1	212.6	215.2	216.0
52.5°	203.1	199.6	196.2	192.7	192.7	193.6	197.0	200.5	203.9	204.8	206.5
55°	196.2	191.0	187.5	184.9	183.2	185.8	188.4	192.7	197.0	197.9	199.6
57.5°	189.2	184.1	180.7	178.0	176.3	178.9	181.5	187.5	192.7	192.7	192.7
60°	184.9	180.7	175.4	172.8	170.2	172.8	176.3	182.3	187.5	186.7	185.8
62.5°	172.8	168.6	166.0	166.0	163.3	167.6	171.1	178.0	178.9	177.1	175.4
63°	169.4	166.0	164.2	164.2	162.4	166.8	170.2	176.3	176.3	174.6	172.8
65°	160.7	158.1	156.4	158.1	158.1	162.4	163.3	167.6	166.8	164.2	163.3
67.5°	153.9	152.1	150.3	150.3	150.3	151.3	152.1	153.9	152.9	152.1	152.9
70°	142.6	141.8	140.0	140.0	139.2	139.2	139.2	140.0	140.0	140.8	141.8
72.5°	128.7	127.1	127.1	127.9	126.1	127.1	127.9	127.1	128.7	128.7	129.6
75°	113.2	112.4	114.0	115.8	115.0	115.0	115.8	115.8	116.7	116.7	117.5
77.5°	101.1	102.0	102.8	104.6	105.4	105.4	105.4	104.6	105.4	105.4	106.3
80°	89.9	91.6	93.3	95.1	95.9	95.9	95.9	95.1	95.1	95.1	95.1
82.5°	81.2	83.8	85.6	86.4	86.4	86.4	86.4	86.4	86.4	84.7	83.0
85°	68.3	73.5	73.5	74.3	71.7	70.0	68.3	69.1	70.0	66.5	65.7
87.5°	34.6	34.6	36.3	38.0	38.9	38.9	44.1	41.5	40.7	39.7	38.0
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°	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5
2.5°	921.2	920.4	922.1	920.4	921.2	922.1	920.4	923.0	924.7	922.1	919.4
5°	940.2	940.2	944.6	946.2	947.2	952.3	949.7	951.4	953.2	952.3	953.2
7.5°	952.3	955.8	960.1	964.4	965.3	969.6	968.8	971.4	973.0	977.4	977.4
10°	962.7	967.0	973.0	977.4	981.7	985.1	986.9	992.1	992.9	996.4	996.4
12.5°	972.2	977.4	983.4	990.3	994.7	1001.6	1002.4	1010.2	1012.8	1013.7	1011.1
15°	970.4	976.5	983.4	991.2	999.0	1007.6	1012.8	1020.6	1024.9	1026.6	1022.3
17.5°	954.1	959.3	967.9	978.2	987.7	999.0	1008.5	1019.7	1026.6	1028.4	1027.5
20°	922.1	925.5	936.7	950.6	961.9	979.1	992.9	1010.2	1021.5	1030.1	1032.7
22.5°	859.0	867.6	878.9	894.4	910.8	932.5	952.3	977.4	1001.6	1022.3	1043.1
25°	783.0	798.5	815.8	836.6	856.4	878.9	901.3	929.9	965.3	1008.5	1057.8
27.5°	706.1	732.8	754.4	781.2	804.6	827.0	852.1	883.2	922.1	974.0	1037.0
30°	628.3	658.5	681.9	712.9	744.1	774.3	799.4	832.2	870.2	923.0	992.1
32.5°	545.3	575.5	603.2	631.7	666.2	702.6	732.8	773.4	814.1	868.5	938.5
35°	459.7	486.5	509.9	540.1	578.1	617.0	656.7	703.4	747.5	804.6	878.9
37.5°	385.4	404.5	426.9	453.7	483.1	524.6	569.5	624.8	674.9	737.1	813.2
40°	324.1	334.4	347.4	369.9	396.7	437.3	481.3	540.1	600.6	668.8	742.3
42.5°	276.6	281.7	285.2	299.9	321.5	361.2	403.5	460.6	527.2	601.5	675.8
45°	245.4	248.0	248.8	256.7	272.2	306.8	350.9	399.3	463.2	535.8	613.6
47.5°	230.7	233.3	235.1	236.7	246.3	273.1	312.8	358.6	417.4	483.9	563.4
50°	218.6	221.2	223.8	223.0	227.3	244.6	278.2	320.7	375.9	437.3	515.9
52.5°	206.5	208.3	208.3	208.3	210.9	222.0	246.3	285.2	336.2	394.0	471.8
55°	199.6	201.4	202.2	203.1	203.9	210.0	228.2	259.3	303.4	356.9	426.9
57.5°	192.7	193.6	195.3	196.2	197.9	201.4	212.6	235.1	272.2	317.1	375.9
60°	186.7	188.4	191.8	192.7	194.4	195.3	200.5	214.3	238.5	273.1	320.7
62.5°	177.1	179.7	183.2	184.1	185.8	186.7	187.5	195.3	206.5	227.3	262.7
63°	174.6	177.1	181.5	182.3	183.2	183.2	184.1	189.2	199.6	217.8	243.7
65°	165.0	168.6	171.1	172.0	172.8	172.8	172.0	173.7	174.6	182.3	197.9
67.5°	154.7	157.3	159.0	159.9	159.0	159.9	159.0	157.3	155.5	157.3	164.2
70°	144.3	146.0	146.0	146.9	147.8	148.7	146.9	145.2	143.4	142.6	146.9
72.5°	132.2	134.0	134.0	134.8	134.8	136.6	136.6	135.6	135.6	136.6	137.4
75°	120.1	121.9	121.0	122.7	122.7	125.3	125.3	126.1	127.9	127.1	126.1
77.5°	108.9	109.8	109.8	110.6	111.4	115.8	118.4	119.3	119.3	117.5	115.8
80°	96.7	96.7	95.1	94.2	95.1	99.3	104.6	105.4	108.0	107.2	108.0
82.5°	81.2	77.8	75.2	75.2	76.9	79.5	81.2	83.0	84.7	84.7	86.4
85°	62.2	58.8	56.2	57.0	59.6	60.5	59.6	59.6	63.1	65.7	63.1
87.5°	37.1	33.7	32.0	29.4	30.2	32.8	32.0	29.4	30.2	24.2	22.5
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5
2.5°	921.2	920.4	918.6	916.0	915.2	913.4	914.3	911.7	910.0	908.3	905.7
5°	953.2	953.2	948.0	948.0	945.4	944.6	938.5	935.9	930.7	932.5	926.4
7.5°	975.6	978.2	972.2	971.4	967.9	967.0	959.3	956.7	952.3	950.6	945.4
10°	992.1	992.1	984.3	978.2	974.0	969.6	961.9	958.3	954.9	955.8	952.3
12.5°	1005.0	999.0	987.7	979.1	973.0	968.8	962.7	960.1	959.3	965.3	966.1
15°	1015.4	1006.8	992.9	986.9	981.7	980.8	980.8	983.4	989.5	1000.8	1009.3
17.5°	1021.5	1016.3	1009.3	1007.6	1016.3	1021.5	1028.4	1036.1	1044.8	1060.4	1069.9
20°	1032.7	1036.1	1041.3	1048.3	1062.1	1075.1	1083.6	1094.9	1105.3	1124.3	1139.8
22.5°	1062.1	1082.0	1098.3	1112.2	1132.9	1151.1	1162.3	1177.9	1185.7	1198.6	1222.8
25°	1100.1	1140.8	1175.3	1204.7	1236.7	1255.6	1271.2	1291.1	1303.2	1324.8	1346.4
27.5°	1088.8	1146.8	1198.6	1253.0	1297.1	1346.4	1380.9	1413.8	1434.5	1466.5	1495.0
30°	1054.3	1123.4	1193.4	1265.1	1335.2	1406.1	1471.7	1531.4	1577.1	1622.9	1669.6
32.5°	1007.6	1087.2	1172.7	1260.8	1352.5	1451.0	1541.7	1631.5	1707.6	1774.2	1839.0
35°	954.1	1043.9	1132.9	1241.8	1355.0	1480.3	1606.5	1730.9	1846.7	1964.3	2043.7
37.5°	890.1	981.7	1081.1	1206.4	1339.5	1494.1	1654.9	1817.3	1981.6	2139.7	2277.1
40°	821.9	915.2	1019.7	1155.4	1305.8	1485.5	1686.0	1904.7	2130.2	2359.2	2541.5
42.5°	761.3	857.2	971.4	1108.8	1272.1	1474.2	1711.1	1979.8	2255.5	2538.9	2806.8
45°	702.6	808.0	928.1	1075.9	1257.4	1482.9	1748.2	2049.8	2367.8	2711.7	3038.4
47.5°	649.9	757.0	873.7	1035.3	1235.7	1487.3	1784.5	2119.8	2474.2	2846.6	3234.6
50°	602.3	706.1	820.9	983.4	1202.1	1484.7	1817.3	2182.9	2565.7	2952.9	3385.8
52.5°	555.6	661.1	778.6	933.3	1160.6	1470.0	1832.9	2234.7	2650.4	3060.0	3507.6
55°	509.9	613.6	731.9	885.8	1106.1	1431.9	1831.2	2268.5	2717.8	3161.1	3625.2
57.5°	456.3	554.8	670.6	833.0	1048.3	1373.2	1805.2	2284.0	2775.7	3261.4	3766.1
60°	389.8	482.2	593.7	756.2	972.2	1298.0	1750.8	2275.4	2809.4	3335.7	3886.2
62.5°	307.6	388.0	490.0	649.0	877.1	1190.0	1648.8	2196.8	2755.8	3325.3	3942.3
63°	290.3	366.4	465.8	623.1	836.6	1160.6	1618.6	2165.6	2730.0	3303.7	3934.5
65°	233.3	282.6	362.0	503.0	700.0	1016.3	1468.2	2005.8	2590.8	3151.6	3822.3
67.5°	178.9	203.9	246.3	344.8	495.2	799.4	1189.1	1699.8	2248.6	2775.7	3460.1
70°	152.9	164.2	182.3	229.0	314.5	504.7	834.8	1267.7	1743.1	2200.2	2815.5
72.5°	139.2	144.3	153.9	173.7	216.0	302.4	532.4	825.3	1185.7	1568.5	2043.7
75°	127.9	132.2	140.0	150.3	166.0	201.4	303.4	504.7	770.9	1030.1	1379.3
77.5°	116.7	119.3	127.9	137.4	147.8	166.0	200.5	290.3	443.4	607.5	831.4
80°	107.2	105.4	111.4	127.1	137.4	147.8	158.1	188.4	252.4	332.7	449.4
82.5°	85.6	87.3	92.5	108.0	112.4	109.8	111.4	116.7	140.8	153.9	229.9
85°	57.9	53.6	52.7	54.4	54.4	51.8	51.8	51.0	56.2	63.9	109.8
87.5°	15.5	7.8	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



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	0°
2.5°	903.9	903.1	903.9	899.6	899.6	898.7	897.9	896.2	896.2	892.7	895.3	2.5°
5°	921.2	919.4	916.0	910.8	908.3	904.7	904.7	901.3	898.7	895.3	896.2	5°
7.5°	941.1	942.0	935.9	931.5	929.9	926.4	927.3	922.1	923.0	920.4	918.6	7.5°
10°	952.3	952.3	954.1	953.2	954.9	954.9	957.5	954.1	952.3	949.7	949.7	10°
12.5°	970.4	974.0	980.8	980.8	986.1	987.7	988.7	990.3	986.9	985.1	979.1	12.5°
15°	1015.4	1024.0	1030.1	1038.7	1049.1	1052.6	1052.6	1049.1	1047.4	1044.8	1033.6	15°
17.5°	1089.7	1108.8	1114.0	1127.7	1129.5	1133.8	1145.9	1139.0	1134.7	1116.5	1113.0	17.5°
20°	1165.8	1190.0	1214.1	1231.4	1240.1	1257.4	1260.0	1256.5	1239.3	1222.0	1214.1	20°
22.5°	1257.4	1293.7	1321.3	1348.1	1361.0	1369.7	1388.8	1384.4	1370.6	1344.7	1334.2	22.5°
25°	1387.0	1431.9	1461.3	1494.1	1511.5	1520.1	1539.1	1539.1	1524.4	1516.7	1515.7	25°
27.5°	1550.3	1605.6	1654.1	1665.2	1710.2	1720.6	1738.7	1738.7	1724.8	1715.4	1761.2	27.5°
30°	1731.8	1789.7	1873.5	1929.7	1984.1	2037.7	2036.8	2040.3	2056.8	2065.4	2085.2	30°
32.5°	1913.3	1985.0	2074.1	2195.8	2312.6	2411.9	2540.7	2622.8	2597.7	2527.7	2500.0	32.5°
35°	2133.7	2213.1	2321.1	2443.9	2657.3	2786.1	2848.3	2892.4	2897.6	2907.1	2927.0	35°
37.5°	2379.1	2512.1	2637.4	2776.6	2895.0	3051.4	3195.7	3311.6	3338.3	3392.8	3361.6	37.5°
40°	2689.3	2838.0	2969.3	3149.0	3308.0	3496.5	3703.0	3862.0	3926.0	3905.2	3749.6	40°
42.5°	3014.3	3198.3	3352.1	3563.8	3770.3	4019.3	4232.7	4454.8	4494.5	4334.7	4102.3	42.5°
45°	3313.2	3541.4	3732.4	3952.8	4205.0	4503.2	4788.4	5016.5	5008.8	4734.8	4423.7	45°
47.5°	3582.0	3862.0	4095.3	4382.3	4653.6	5008.8	5336.3	5504.8	5405.4	5081.3	4700.2	47.5°
50°	3804.1	4153.2	4441.0	4731.4	5076.1	5503.9	5819.4	5914.4	5722.5	5370.0	4969.0	50°
52.5°	3983.0	4421.1	4744.3	5078.7	5514.3	5964.5	6235.9	6200.4	5952.4	5590.4	5191.1	52.5°
55°	4134.2	4625.9	5011.4	5406.3	5946.4	6361.2	6541.8	6446.7	6100.2	5733.0	5343.2	55°
57.5°	4290.6	4824.7	5256.8	5714.7	6316.2	6672.3	6772.5	6577.2	6170.2	5787.4	5408.9	57.5°
60°	4447.0	4990.6	5473.7	5984.4	6596.2	6926.4	6898.7	6606.6	6149.4	5747.7	5364.8	60°
62.5°	4552.5	5089.1	5599.8	6150.4	6806.3	7056.0	6886.6	6502.1	6029.3	5591.2	5233.4	62.5°
63°	4555.1	5092.6	5607.7	6161.5	6829.5	7060.3	6863.3	6464.9	5991.3	5559.2	5194.5	63°
65°	4500.6	5027.8	5538.5	6110.5	6809.7	6960.9	6661.9	6245.3	5774.4	5338.0	4992.3	65°
67.5°	4222.4	4759.8	5211.0	5750.2	6453.6	6496.9	6122.6	5786.5	5363.1	4911.1	4549.9	67.5°
70°	3661.5	4108.3	4550.7	5001.0	5591.2	5583.4	5231.7	5060.6	4689.9	4174.8	3885.3	70°
72.5°	2912.3	3313.2	3624.3	3926.0	4314.8	4236.2	4009.8	4057.3	3817.0	3432.5	3260.5	72.5°
75°	2162.2	2602.9	2755.0	2877.7	3041.9	3042.7	3104.9	3239.7	3236.3	3022.9	2806.0	75°
77.5°	1418.1	1900.3	1951.3	2049.8	2246.8	2514.7	2791.3	3088.6	3162.9	2994.3	2673.8	77.5°
80°	790.7	1291.9	1233.2	1317.9	1530.4	1894.2	2302.2	2630.5	2824.1	2730.0	2390.3	80°
82.5°	404.5	744.9	712.1	829.6	1001.6	1317.9	1587.5	1839.8	2068.0	2055.0	1926.2	82.5°
85°	210.0	407.9	464.1	525.4	611.8	725.0	827.0	900.5	995.5	1163.2	1220.2	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.0	62.2	44.9	123.5	176.3	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°
906.5	906.5	906.5	906.5	906.5	906.5	906.5
896.2	897.0	895.3	895.3	896.2	896.2	894.4
894.4	894.4	892.7	891.0	889.2	889.2	887.5
914.3	914.3	908.3	905.7	901.3	897.9	896.2
943.6	938.5	931.5	926.4	919.4	911.7	907.4
973.0	965.3	956.7	948.8	940.2	931.5	927.3
1021.5	1011.1	999.8	990.3	978.2	965.3	960.1
1095.7	1079.4	1064.7	1050.8	1029.2	1019.7	1009.3
1194.3	1170.1	1151.1	1127.7	1100.9	1092.3	1079.4
1313.6	1292.8	1254.8	1237.5	1210.7	1197.8	1200.4
1495.0	1468.2	1424.2	1407.7	1405.1	1376.7	1362.8
1731.8	1733.5	1692.9	1648.8	1624.7	1579.7	1522.7
2068.8	2045.5	1998.0	1953.0	1896.0	1811.3	1716.3
2476.8	2424.9	2346.2	2262.4	2161.3	2030.8	1897.7
2875.1	2784.4	2659.1	2519.1	2373.0	2210.5	2022.2
3225.1	3084.2	2896.7	2736.0	2529.4	2326.3	2096.5
3544.9	3370.3	3128.3	2920.0	2676.4	2415.4	2143.2
3854.3	3633.0	3336.6	3054.8	2779.2	2475.0	2165.6
4148.9	3863.7	3512.0	3176.7	2854.3	2513.9	2169.0
4375.3	4064.2	3669.3	3264.9	2906.3	2543.3	2169.0
4585.3	4233.6	3789.4	3334.0	2954.6	2563.2	2170.8
4748.6	4352.9	3867.2	3383.3	2992.7	2577.8	2178.6
4867.0	4430.6	3919.0	3413.5	3020.3	2598.5	2195.8
4950.0	4481.6	3947.6	3440.3	3054.0	2634.9	2244.3
4989.7	4575.8	3995.1	3493.9	3111.9	2711.7	2341.0
4959.5	4721.9	4130.7	3584.6	3192.3	2831.9	2495.7
4946.5	4748.6	4167.9	3604.5	3210.4	2857.8	2549.3
4845.4	4775.4	4320.9	3704.7	3296.9	2972.8	2698.8
4531.7	4670.0	4449.6	3874.1	3482.6	3251.9	2978.0
4125.6	4513.6	4426.3	3895.7	3601.0	3480.9	3154.3
3639.0	4040.9	3959.7	3607.9	3470.5	3483.5	3108.4
2863.8	3165.5	3111.9	2988.3	3015.9	3111.0	2662.5
2294.3	2253.8	2130.2	2138.8	2298.7	2410.2	1916.8
1874.4	1517.5	1356.8	1361.0	1640.2	1756.0	1221.0
1783.6	1435.4	1169.2	1021.5	1193.4	1149.3	637.8
1270.3	1272.9	1056.0	858.1	831.4	706.9	397.5
300.7	241.1	172.0	127.9	134.8	89.0	44.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)