

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: P181051

Luminaire Tested: **ICS-F04-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181051
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: ICS-F04-LED-E1-SLL-8030
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (28) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6979.5 lumens
Efficiency: N/A
Efficacy: 68.3 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 - G2

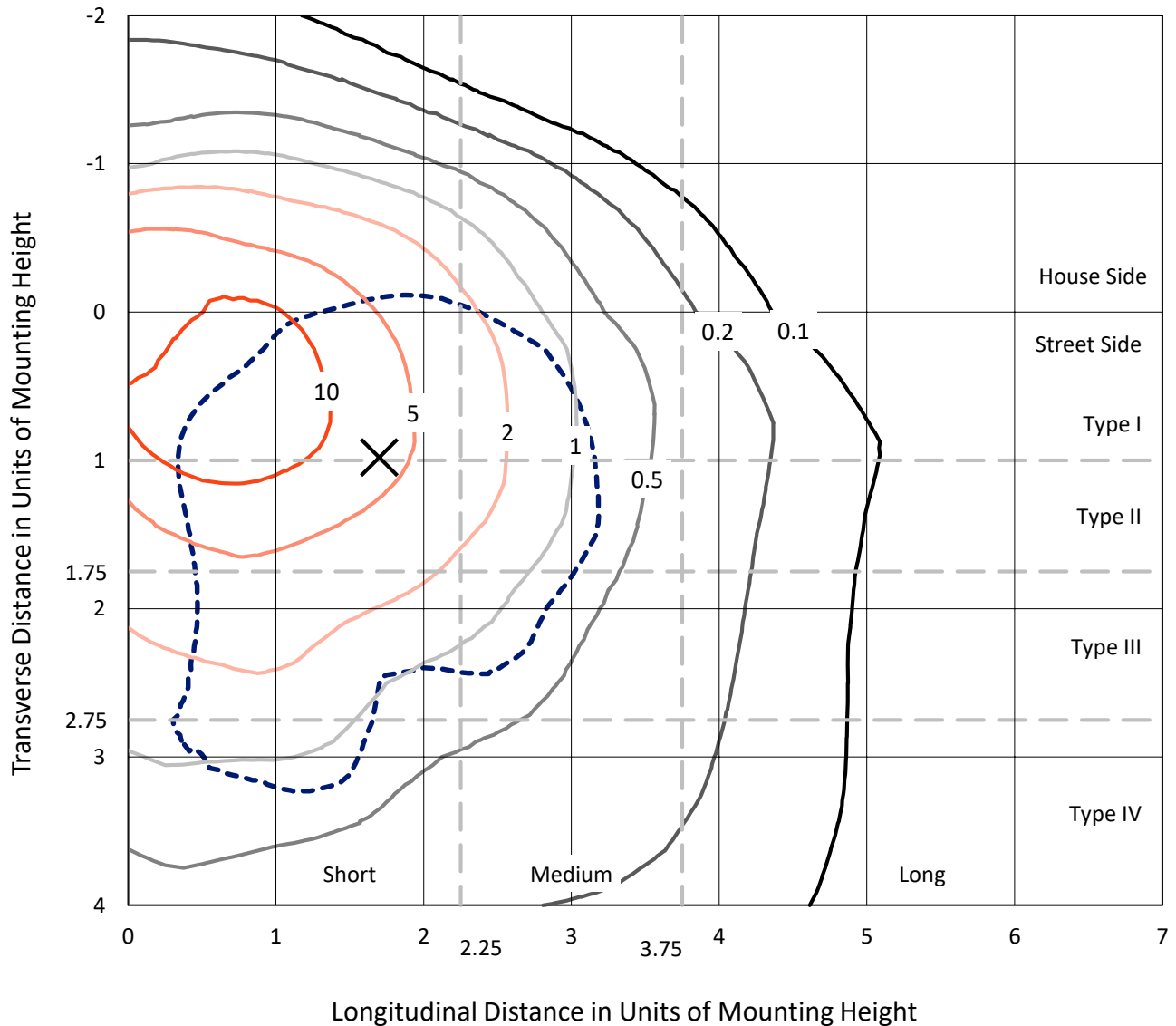
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

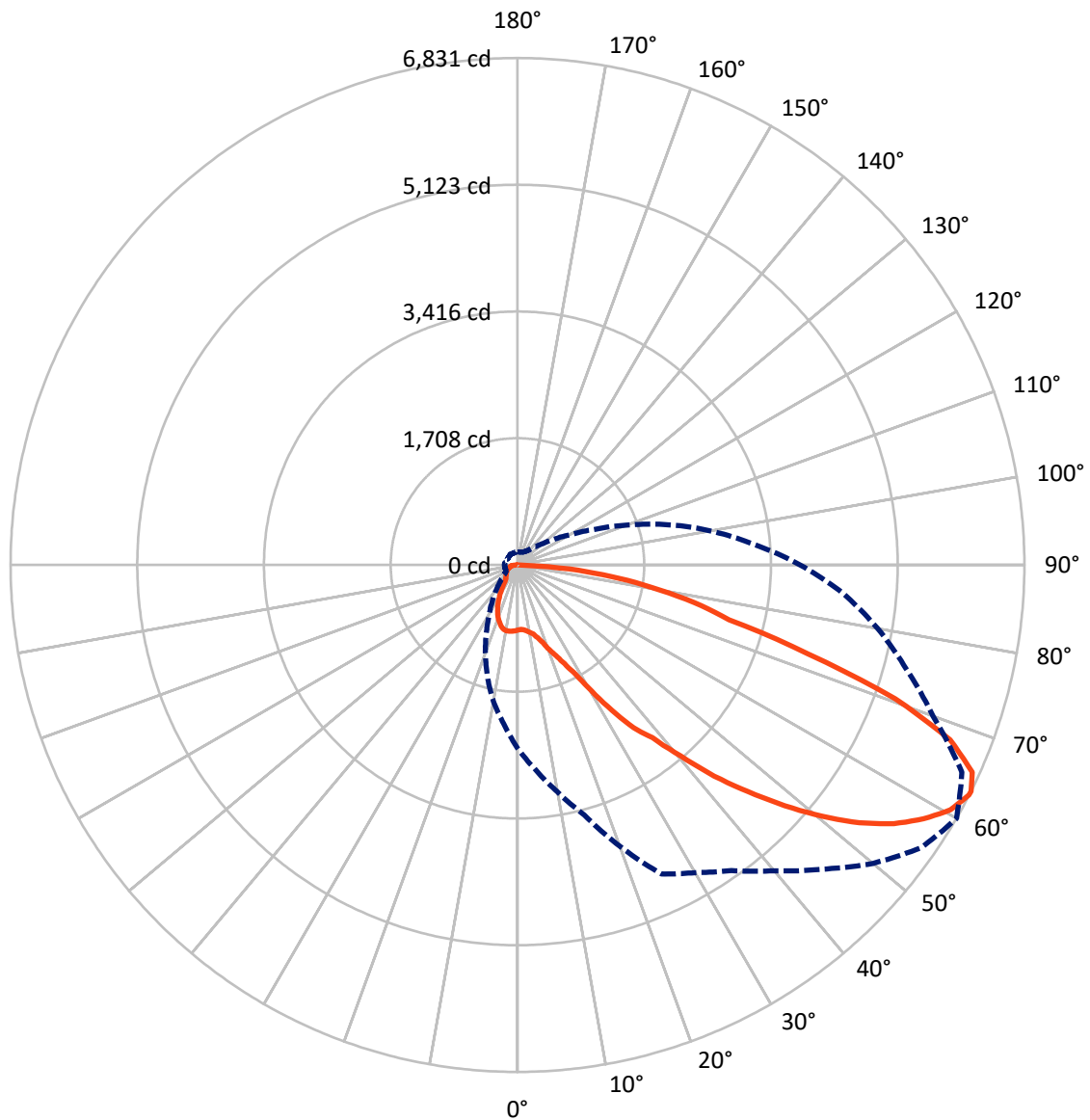


Based on 10 foot mounting height. Maximum calculated value = 17.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1513.5	0.0	1513.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	5466.0	0.0	5466.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	6979.5	0.0	6979.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	1.2
10°-20°	265.9	3.8
20°-30°	472.4	6.8
30°-40°	743.9	10.7
40°-50°	1094.8	15.7
50°-60°	1454.2	20.8
60°-70°	1601.8	23.0
70°-80°	1005.0	14.4
80°-90°	256.0	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°	6979.5	100.0
0°-180°	6979.5	100.0



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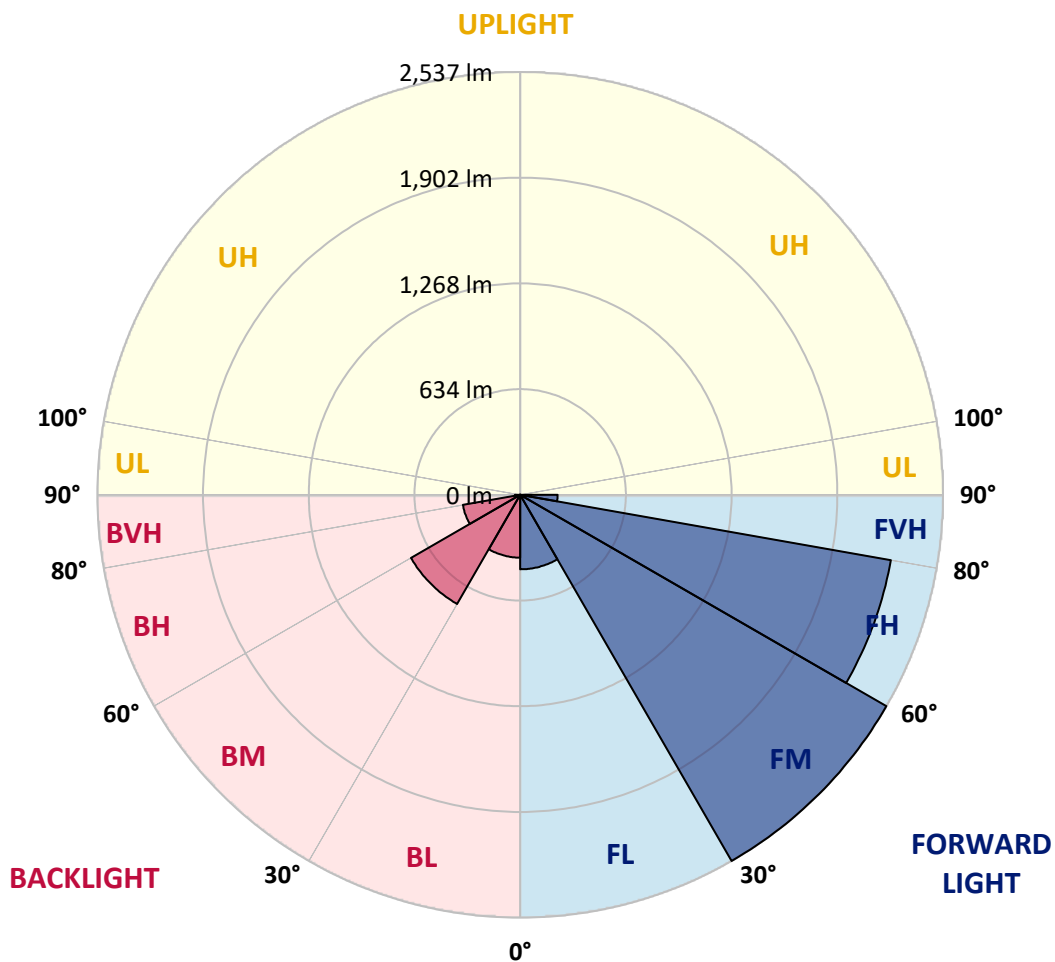
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	446.9	6.4			
FM	(30°-60°)	2536.5	36.3			
FH	(60°-80°)	2258.0	32.4			G2/5000
FVH	(80°-90°)	224.6	3.2			G2/225
BL	(0°-30°)	376.8	5.4	B1/500		
BM	(30°-60°)	756.5	10.8	B1/1000		
BH	(60°-80°)	348.9	5.0	B1/500		G1/500
BVH	(80°-90°)	31.3	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1
2.5°	865.4	867.1	867.1	866.2	866.2	867.9	867.1	866.2	863.7	867.1	867.1
5°	858.7	860.4	860.4	862.0	863.7	865.4	865.4	867.1	866.2	869.6	872.1
7.5°	867.1	868.7	872.1	876.3	878.8	884.6	884.6	888.8	890.5	893.0	892.1
10°	877.9	882.1	889.6	896.3	901.3	908.0	913.1	918.9	918.9	921.4	923.1
12.5°	897.2	901.3	909.7	918.1	925.6	934.0	941.5	947.3	953.2	954.9	958.2
15°	928.9	934.0	946.5	958.2	967.4	978.3	988.3	1000.0	1010.9	1013.4	1015.1
17.5°	976.6	986.6	995.8	1016.7	1030.1	1044.3	1060.2	1076.9	1080.3	1097.8	1102.0
20°	1044.3	1056.9	1065.2	1091.1	1113.7	1132.1	1155.5	1174.8	1182.3	1199.0	1215.7
22.5°	1161.4	1158.9	1171.4	1197.3	1214.1	1250.8	1270.9	1291.0	1301.0	1326.1	1339.5
25°	1318.6	1332.0	1359.5	1362.1	1377.9	1420.6	1446.5	1466.6	1467.4	1474.9	1489.1
27.5°	1473.3	1528.4	1571.9	1595.3	1638.0	1677.3	1675.6	1704.0	1659.7	1668.9	1682.3
30°	1660.6	1752.5	1834.5	1889.6	1933.1	1979.1	2001.7	2017.6	1998.3	1990.0	1974.1
32.5°	1836.1	1964.9	2091.2	2189.0	2270.1	2346.2	2396.3	2418.9	2445.7	2513.4	2537.6
35°	1956.5	2138.8	2296.0	2437.3	2572.8	2694.0	2781.8	2832.0	2812.7	2803.5	2798.5
37.5°	2028.4	2250.9	2447.3	2647.2	2802.7	2984.1	3120.4	3252.5	3282.6	3230.0	3204.0
40°	2073.6	2337.0	2589.5	2825.3	3026.8	3260.9	3429.8	3628.0	3778.5	3798.5	3736.7
42.5°	2095.3	2394.7	2689.0	2955.7	3228.3	3515.1	3729.1	3969.1	4194.0	4348.7	4310.2
45°	2098.7	2432.3	2761.7	3073.6	3398.0	3738.3	4014.3	4280.1	4581.1	4846.2	4853.7
47.5°	2098.7	2460.7	2811.9	3158.9	3550.2	3932.3	4233.3	4547.7	4916.4	5230.0	5326.1
50°	2100.4	2480.0	2858.7	3225.8	3666.4	4096.2	4436.5	4807.7	5195.7	5536.8	5722.5
52.5°	2107.9	2494.2	2895.5	3273.4	3741.7	4211.6	4594.5	5022.6	5408.9	5759.3	5999.2
55°	2124.6	2514.2	2922.3	3302.7	3791.8	4286.8	4709.1	5169.8	5546.9	5902.2	6237.5
57.5°	2171.4	2549.4	2954.9	3328.6	3819.4	4336.2	4789.3	5233.3	5599.6	5970.0	6363.8
60°	2265.1	2623.8	3010.9	3380.5	3865.4	4427.3	4827.8	5190.7	5561.1	5949.9	6392.2
62.5°	2414.7	2740.0	3088.7	3468.3	3996.7	4568.6	4798.5	5063.6	5409.7	5833.7	6291.0
63°	2466.6	2765.1	3106.2	3487.5	4032.6	4594.5	4786.0	5026.0	5378.8	5796.9	6255.1
65°	2611.2	2876.3	3189.8	3584.5	4180.6	4620.4	4688.2	4830.3	5164.8	5587.0	6042.7
67.5°	2881.3	3146.4	3369.6	3748.4	4305.2	4518.4	4384.7	4402.2	4751.7	5189.0	5598.7
70°	3051.9	3367.9	3484.1	3769.3	4282.6	4367.1	3991.7	3759.2	4039.3	4537.7	4896.4
72.5°	3007.6	3370.4	3357.9	3490.8	3831.1	3909.7	3520.9	3154.7	3321.1	3693.2	3925.6
75°	2576.1	3010.1	2918.1	2891.3	3010.9	3062.7	2770.9	2714.9	2924.8	3131.3	3134.6
77.5°	1854.5	2332.0	2224.1	2069.4	2061.1	2180.6	2219.9	2587.0	2897.2	3060.2	2988.3
80°	1181.4	1699.0	1587.0	1316.9	1312.7	1468.2	1813.6	2312.7	2641.3	2732.5	2545.2
82.5°	617.1	1112.1	1154.7	988.3	1131.3	1388.8	1725.8	1863.7	1988.3	2000.9	1780.1
85°	384.6	684.0	804.4	830.3	1021.7	1231.6	1229.1	1180.6	1125.4	963.2	871.2
87.5°	43.5	86.1	130.4	123.7	166.4	233.3	291.0	170.6	119.6	43.5	60.2
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°	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1
2.5°	868.7	869.6	870.4	870.4	874.6	873.8	874.6	876.3	878.8	880.4	882.1
5°	875.4	875.4	878.8	881.3	886.3	889.6	891.3	896.3	902.2	900.5	905.5
7.5°	897.2	896.3	899.7	901.3	905.5	911.4	910.5	914.7	919.7	921.4	925.6
10°	926.4	923.9	923.9	922.2	923.1	921.4	921.4	921.4	924.8	923.9	927.3
12.5°	956.5	955.7	954.0	949.0	949.0	942.3	939.0	934.8	934.0	928.1	928.9
15°	1018.4	1018.4	1015.1	1005.0	996.7	990.8	982.5	976.6	968.2	957.4	951.5
17.5°	1108.7	1097.0	1092.8	1091.1	1077.8	1072.8	1054.4	1035.1	1025.9	1010.9	1002.5
20°	1219.1	1216.6	1199.8	1191.5	1174.8	1151.3	1127.9	1102.9	1087.8	1069.4	1059.4
22.5°	1343.7	1325.3	1316.9	1304.4	1278.4	1251.7	1216.6	1183.1	1159.7	1147.2	1139.6
25°	1489.1	1470.7	1462.4	1445.7	1413.9	1385.5	1342.0	1302.7	1281.8	1260.9	1249.2
27.5°	1682.3	1664.7	1654.7	1611.2	1600.3	1553.5	1500.0	1446.5	1418.9	1388.0	1367.9
30°	1970.8	1971.6	1919.8	1867.1	1812.7	1731.6	1675.6	1615.4	1570.2	1525.9	1481.6
32.5°	2458.2	2333.6	2237.5	2124.6	2006.7	1920.6	1851.2	1779.3	1716.6	1652.2	1578.6
35°	2755.9	2695.7	2571.1	2364.6	2245.8	2141.3	2064.4	1977.4	1900.5	1786.8	1674.8
37.5°	3092.0	2952.4	2801.0	2686.5	2551.9	2430.6	2301.9	2203.2	2070.3	1917.2	1758.4
40°	3582.8	3383.0	3200.7	3046.9	2872.9	2745.8	2602.0	2459.1	2282.6	2061.1	1842.8
42.5°	4095.4	3888.8	3648.0	3448.2	3243.3	3094.5	2916.4	2715.7	2456.5	2182.3	1915.6
45°	4633.0	4357.1	4068.6	3824.5	3611.2	3426.5	3205.7	2939.8	2623.8	2291.0	1983.3
47.5°	5163.1	4846.2	4502.6	4240.0	3962.4	3736.7	3465.8	3129.6	2754.2	2393.8	2051.0
50°	5630.5	5325.3	4911.4	4577.8	4296.9	4018.4	3680.6	3276.0	2857.0	2482.5	2112.1
52.5°	6033.5	5771.0	5335.3	4913.9	4590.3	4277.6	3853.7	3393.8	2960.7	2564.4	2162.2
55°	6329.5	6154.7	5753.4	5230.8	4848.7	4475.8	4000.0	3507.6	3058.6	2629.6	2194.8
57.5°	6552.7	6455.7	6111.3	5529.3	5086.2	4668.1	4151.4	3643.8	3155.5	2685.6	2209.9
60°	6674.8	6701.6	6382.2	5790.2	5296.0	4828.6	4302.7	3760.1	3227.5	2718.3	2201.5
62.5°	6663.1	6827.0	6585.3	5950.7	5418.1	4924.0	4404.7	3814.4	3217.4	2666.4	2125.4
63°	6640.5	6831.2	6607.9	5961.6	5425.6	4927.3	4407.2	3806.9	3196.5	2641.3	2095.3
65°	6445.7	6735.0	6588.7	5912.3	5358.7	4864.6	4354.6	3698.2	3049.4	2506.7	1940.7
67.5°	5924.0	6286.0	6244.2	5563.6	5041.9	4605.4	4085.3	3347.9	2685.6	2175.6	1644.7
70°	5061.9	5402.2	5409.7	4838.7	4403.1	3975.0	3542.7	2724.1	2128.8	1686.5	1226.6
72.5°	3879.6	4098.7	4174.8	3798.5	3506.7	3205.7	2817.8	1977.4	1517.6	1147.2	798.5
75°	3004.2	2944.0	2943.2	2784.3	2665.6	2518.4	2092.0	1334.5	996.7	745.8	488.3
77.5°	2700.7	2433.1	2173.9	1983.3	1888.0	1838.6	1372.1	804.4	587.8	428.9	280.9
80°	2227.4	1832.8	1480.8	1275.1	1193.2	1250.0	765.1	434.8	321.9	244.1	182.3
82.5°	1536.0	1275.1	969.1	802.7	689.0	720.7	391.3	222.4	148.8	136.3	112.9
85°	800.2	701.5	592.0	508.4	449.0	394.7	203.2	106.2	61.9	54.3	49.3
87.5°	0.0	0.8	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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1
2.5°	884.6	883.8	885.5	886.3	888.8	890.5	891.3	889.6	892.1	894.7	893.0
5°	908.0	913.9	914.7	917.2	917.2	922.2	922.2	922.2	921.4	922.2	920.6
7.5°	928.1	935.6	936.5	939.8	940.6	946.5	944.0	945.7	945.7	941.5	939.8
10°	930.6	938.1	942.3	946.5	952.3	959.9	959.9	964.1	964.1	960.7	959.9
12.5°	931.4	937.3	941.5	947.3	955.7	966.6	972.4	978.3	980.8	979.9	977.4
15°	949.0	949.0	949.8	954.9	960.7	974.1	982.5	989.1	993.3	991.6	987.5
17.5°	995.0	988.3	983.3	974.9	976.6	983.3	988.3	994.2	995.0	993.3	986.6
20°	1048.5	1040.1	1027.6	1014.2	1007.5	1002.5	999.2	999.2	996.7	988.3	977.4
22.5°	1124.6	1113.7	1096.2	1076.1	1062.7	1046.8	1027.6	1009.2	989.1	969.1	945.7
25°	1229.9	1214.9	1196.5	1165.6	1137.1	1103.7	1064.4	1023.4	975.8	934.0	899.7
27.5°	1336.1	1302.7	1255.0	1212.4	1159.7	1109.5	1053.5	1003.4	942.3	892.1	854.5
30°	1423.9	1360.4	1291.8	1224.1	1154.7	1087.0	1020.1	959.9	893.0	842.0	805.2
32.5°	1491.7	1403.9	1308.5	1219.9	1134.6	1051.8	974.9	908.0	840.3	787.6	748.3
35°	1554.4	1432.3	1311.0	1201.5	1096.2	1010.0	923.1	850.3	778.4	723.3	680.6
37.5°	1601.2	1445.7	1296.0	1167.2	1046.0	949.8	861.2	786.8	713.2	653.0	604.5
40°	1631.3	1437.3	1263.4	1117.9	986.6	885.5	795.2	718.2	647.2	581.1	522.6
42.5°	1655.5	1426.4	1230.8	1072.8	939.8	829.4	736.6	653.9	581.9	510.0	445.7
45°	1691.5	1434.8	1216.6	1041.0	898.0	781.8	679.8	593.7	518.4	448.2	386.3
47.5°	1726.6	1439.0	1195.7	1001.7	845.3	732.4	628.8	545.2	468.2	403.8	347.0
50°	1758.4	1436.5	1163.1	951.5	794.3	683.1	582.8	499.2	423.1	363.7	310.2
52.5°	1773.4	1422.3	1122.9	903.0	753.4	639.6	537.6	456.5	381.3	325.3	275.9
55°	1771.8	1385.5	1070.2	857.0	708.2	593.7	493.3	413.0	345.3	293.5	250.8
57.5°	1746.7	1328.6	1014.2	806.0	648.8	536.8	441.5	363.7	306.9	263.4	227.4
60°	1694.0	1255.9	940.6	731.6	574.4	466.6	377.1	310.2	264.2	230.8	207.4
62.5°	1595.3	1151.3	848.7	627.9	474.1	375.4	297.7	254.2	219.9	199.8	189.0
63°	1566.1	1122.9	809.4	602.8	450.7	354.5	280.9	235.8	210.7	193.1	183.1
65°	1420.6	983.3	677.3	486.6	350.3	273.4	225.8	191.5	176.4	168.9	168.1
67.5°	1150.5	773.4	479.1	333.6	238.3	197.3	173.1	158.9	152.2	150.5	152.2
70°	807.7	488.3	304.4	221.6	176.4	158.9	148.0	142.1	138.0	138.8	140.5
72.5°	515.1	292.6	209.0	168.1	148.8	139.6	134.6	132.9	132.1	131.3	131.3
75°	293.5	194.8	160.5	145.5	135.5	127.9	123.7	122.1	122.9	123.7	122.1
77.5°	194.0	160.5	143.0	132.9	123.7	115.4	112.9	112.0	113.7	115.4	115.4
80°	153.0	143.0	132.9	122.9	107.9	102.0	103.7	104.5	103.7	104.5	102.0
82.5°	107.9	106.2	108.7	104.5	89.5	84.4	82.8	83.6	81.9	81.9	80.3
85°	50.2	50.2	52.7	52.7	51.0	51.8	56.0	61.0	63.5	61.0	57.7
87.5°	0.0	0.0	0.0	0.0	0.0	7.5	15.1	21.7	23.4	29.3	28.4
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°	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1
2.5°	890.5	892.1	891.3	890.5	892.1	890.5	891.3	890.5	890.5	889.6	889.6
5°	918.9	921.4	916.4	915.6	913.9	909.7	909.7	908.0	908.0	904.7	902.2
7.5°	937.3	938.1	934.0	933.1	928.9	924.8	921.4	918.1	917.2	914.7	909.7
10°	954.9	953.2	949.8	945.7	941.5	935.6	931.4	927.3	926.4	922.2	916.4
12.5°	969.9	969.1	962.4	958.2	951.5	945.7	940.6	935.6	933.1	928.1	919.7
15°	979.9	974.9	966.6	959.0	951.5	944.8	939.0	933.1	930.6	924.8	916.4
17.5°	975.8	966.6	955.7	946.5	936.5	928.1	923.1	917.2	913.1	909.7	898.0
20°	960.7	947.3	930.6	919.7	906.4	895.5	892.1	886.3	883.0	870.4	855.4
22.5°	921.4	902.2	881.3	865.4	850.3	839.5	831.1	825.3	816.9	809.4	786.0
25°	872.1	850.3	828.6	809.4	789.3	772.6	757.5	743.3	739.1	723.3	700.7
27.5°	824.4	800.2	778.4	755.9	729.9	709.0	683.1	663.0	649.7	632.9	612.0
30°	773.4	749.2	719.9	689.8	659.7	637.1	607.9	583.6	566.9	549.3	530.1
32.5°	709.0	679.8	644.7	611.2	583.6	556.9	527.6	504.2	487.5	471.6	453.2
35°	635.5	597.0	559.4	522.6	493.3	470.7	444.8	427.3	415.6	401.3	382.1
37.5°	551.0	507.5	467.4	439.0	413.0	391.3	372.9	362.0	349.5	342.0	330.3
40°	465.7	423.1	383.8	357.9	336.1	323.6	313.5	311.0	302.7	292.6	285.1
42.5°	390.5	349.5	311.0	290.1	275.9	272.6	267.6	267.6	263.4	255.9	250.8
45°	339.5	296.8	263.4	248.3	240.8	240.0	237.5	237.5	236.6	233.3	227.4
47.5°	302.7	264.2	238.3	229.1	227.4	225.8	223.2	222.4	221.6	219.1	215.7
50°	269.2	236.6	219.9	215.7	216.6	214.0	211.5	209.0	208.2	205.7	202.3
52.5°	238.3	214.9	204.0	201.5	201.5	201.5	199.8	199.8	198.2	197.3	194.0
55°	220.7	203.2	197.3	196.5	195.7	194.8	193.1	193.1	191.5	190.6	186.5
57.5°	205.7	194.8	191.5	189.8	189.0	187.3	186.5	186.5	186.5	186.5	181.4
60°	194.0	189.0	188.1	186.5	185.6	182.3	180.6	179.8	180.6	181.4	176.4
62.5°	181.4	180.6	179.8	178.1	177.3	173.9	171.4	169.7	171.4	173.1	172.2
63°	178.1	177.3	177.3	176.4	175.6	171.4	168.9	167.2	168.9	170.6	170.6
65°	166.4	167.2	167.2	166.4	165.6	163.0	159.7	158.0	158.9	161.4	162.2
67.5°	153.8	154.7	153.8	154.7	153.8	152.2	149.7	148.0	147.2	148.0	148.8
70°	142.1	143.8	143.0	142.1	141.3	141.3	139.6	137.1	136.3	135.5	135.5
72.5°	132.1	132.1	130.4	130.4	129.6	129.6	127.9	125.4	124.6	124.6	122.9
75°	121.2	121.2	118.7	118.7	117.1	117.9	116.2	113.7	112.9	112.9	112.0
77.5°	114.5	112.0	107.9	107.0	106.2	106.2	105.4	102.8	102.0	102.0	101.2
80°	101.2	96.2	92.0	91.1	92.0	93.6	93.6	92.0	92.0	92.0	92.0
82.5°	78.6	76.9	74.4	72.7	72.7	75.3	78.6	80.3	81.9	83.6	83.6
85°	57.7	58.5	57.7	55.2	54.3	56.9	60.2	63.5	64.4	67.7	66.9
87.5°	30.9	31.8	29.3	28.4	30.9	32.6	36.0	36.8	38.5	39.3	40.1
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°	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1
2.5°	888.8	888.0	888.8	887.1	887.1	885.5	883.8	883.0	881.3	880.4	878.8
5°	903.9	901.3	898.8	898.0	894.7	891.3	888.8	884.6	881.3	875.4	873.8
7.5°	913.9	908.0	904.7	903.9	898.8	896.3	890.5	885.5	880.4	872.9	870.4
10°	918.1	912.2	906.4	903.9	898.0	893.8	888.0	880.4	876.3	868.7	867.1
12.5°	923.1	912.2	903.0	896.3	888.0	878.8	872.9	868.7	862.9	858.7	857.0
15°	913.9	899.7	885.5	872.9	859.5	849.5	843.7	837.0	830.3	827.8	827.8
17.5°	888.8	870.4	846.2	830.3	816.1	805.2	797.7	791.0	790.1	786.8	788.5
20°	837.0	812.7	789.3	777.6	769.2	762.5	755.0	751.7	749.2	744.2	742.5
22.5°	765.1	745.0	728.3	719.9	713.2	704.9	698.2	688.1	685.6	680.6	678.1
25°	685.6	669.7	655.5	649.7	645.5	633.8	629.6	616.2	607.0	601.2	604.5
27.5°	606.2	594.5	581.1	573.6	571.1	560.2	556.0	541.0	533.4	533.4	525.1
30°	524.3	513.4	505.0	496.7	495.0	481.6	470.7	464.9	456.5	453.2	447.3
32.5°	447.3	436.5	429.8	425.6	418.9	408.0	397.2	387.1	373.7	368.7	366.2
35°	376.3	367.9	359.5	356.2	347.0	335.3	321.9	313.5	297.7	291.8	289.3
37.5°	321.9	311.9	306.0	296.8	287.6	275.1	265.1	257.5	251.7	249.2	249.2
40°	278.4	270.9	264.2	256.7	249.2	242.5	237.5	235.8	235.0	235.0	236.6
42.5°	245.8	239.1	235.8	231.6	229.1	229.1	228.3	229.1	229.9	230.8	233.3
45°	224.1	219.9	218.2	217.4	219.1	220.7	221.6	223.2	226.6	228.3	229.1
47.5°	212.4	209.0	208.2	209.0	211.5	214.9	218.2	220.7	223.2	224.1	224.9
50°	200.7	196.5	194.8	196.5	199.8	204.9	207.4	211.5	213.2	214.9	213.2
52.5°	190.6	187.3	186.5	186.5	189.8	193.1	196.5	199.8	200.7	200.7	199.8
55°	182.3	179.8	177.3	178.9	181.4	184.8	189.8	192.3	194.0	194.8	194.8
57.5°	175.6	173.1	170.6	172.2	174.8	178.1	183.1	185.6	187.3	189.8	190.6
60°	170.6	167.2	164.7	167.2	169.7	174.8	178.9	181.4	185.6	186.5	186.5
62.5°	165.6	162.2	158.0	160.5	160.5	163.0	167.2	170.6	174.8	176.4	176.4
63°	164.7	161.4	157.2	158.9	158.9	160.5	163.9	167.2	172.2	173.9	173.1
65°	158.0	157.2	153.0	153.0	151.3	153.0	155.5	158.9	161.4	163.9	163.9
67.5°	147.2	146.3	145.5	145.5	145.5	147.2	148.8	151.3	153.8	155.5	154.7
70°	134.6	134.6	134.6	135.5	135.5	137.1	138.0	137.1	139.6	141.3	140.5
72.5°	123.7	122.9	122.1	123.7	122.9	122.9	124.6	123.7	126.3	126.3	127.1
75°	112.0	111.2	111.2	112.0	110.4	108.7	109.5	109.5	110.4	110.4	112.0
77.5°	102.0	102.0	102.0	101.2	99.5	98.7	97.8	97.8	97.8	97.8	98.7
80°	92.8	92.8	92.8	92.0	90.3	88.6	87.0	86.1	85.3	81.1	81.1
82.5°	83.6	83.6	83.6	83.6	82.8	81.1	78.6	71.9	68.6	65.2	66.1
85°	66.1	67.7	69.4	71.9	71.1	71.1	66.1	57.7	52.7	49.3	50.2
87.5°	42.6	37.6	37.6	36.8	35.1	33.4	33.4	28.4	23.4	20.9	21.7
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°	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	877.1	0°
2.5°	878.8	877.1	875.4	875.4	872.9	872.9	871.2	874.6	871.2	868.7	868.7	2.5°
5°	872.1	870.4	865.4	864.6	861.2	861.2	861.2	859.5	859.5	857.9	857.0	5°
7.5°	867.9	863.7	859.5	857.0	857.0	855.4	858.7	857.0	857.9	857.9	858.7	7.5°
10°	864.6	861.2	859.5	858.7	858.7	861.2	863.7	864.6	863.7	864.6	864.6	10°
12.5°	856.2	857.9	858.7	862.0	866.2	871.2	877.1	877.9	879.6	879.6	881.3	12.5°
15°	829.4	833.6	838.6	847.0	857.9	868.7	879.6	888.8	897.2	901.3	904.7	15°
17.5°	791.8	796.0	805.2	814.4	828.6	844.5	862.9	878.8	896.3	912.2	928.1	17.5°
20°	740.8	747.5	750.0	766.7	783.5	805.2	826.9	852.0	882.1	912.2	943.2	20°
22.5°	674.8	682.3	694.0	707.4	724.9	751.7	777.6	816.9	857.0	899.7	948.2	22.5°
25°	601.2	609.5	619.6	633.8	651.3	679.8	717.4	759.2	808.5	864.6	924.8	25°
27.5°	525.1	533.4	541.8	551.8	571.9	602.0	646.3	689.8	744.2	805.2	875.4	27.5°
30°	449.0	449.8	454.9	467.4	488.3	527.6	560.2	614.6	671.4	735.8	816.9	30°
32.5°	365.4	364.6	370.4	381.3	401.3	439.0	479.1	531.8	587.8	668.9	752.5	32.5°
35°	291.0	291.0	301.8	312.7	335.3	362.0	397.2	444.0	510.0	585.3	668.9	35°
37.5°	251.7	257.5	264.2	275.1	292.6	313.5	344.5	385.5	437.3	509.2	586.1	37.5°
40°	239.1	242.5	248.3	258.4	273.4	292.6	315.2	346.2	386.3	444.0	514.2	40°
42.5°	234.1	235.0	238.3	245.8	259.2	278.4	301.8	329.4	359.5	400.5	461.5	42.5°
45°	229.1	228.3	229.9	235.8	246.7	268.4	295.2	325.3	355.4	389.6	439.8	45°
47.5°	224.9	224.9	224.9	227.4	237.5	259.2	290.1	325.3	361.2	399.7	449.0	47.5°
50°	213.2	212.4	212.4	214.0	221.6	245.0	281.8	324.4	371.2	421.4	477.4	50°
52.5°	199.8	199.8	200.7	201.5	208.2	231.6	272.6	324.4	382.9	449.8	520.1	52.5°
55°	195.7	196.5	197.3	196.5	201.5	221.6	262.5	319.4	388.0	472.4	566.1	55°
57.5°	192.3	194.0	194.0	193.1	196.5	213.2	252.5	309.4	383.8	480.8	598.7	57.5°
60°	187.3	187.3	187.3	184.8	186.5	201.5	237.5	293.5	370.4	473.2	603.7	60°
62.5°	176.4	176.4	174.8	173.9	173.1	184.8	217.4	270.1	346.2	453.2	591.1	62.5°
63°	173.9	173.1	173.1	170.6	170.6	181.4	213.2	266.7	339.5	448.2	586.1	63°
65°	164.7	164.7	164.7	163.0	162.2	170.6	196.5	243.3	313.5	424.8	561.0	65°
67.5°	154.7	155.5	153.8	153.0	152.2	157.2	177.3	214.0	273.4	375.4	514.2	67.5°
70°	140.5	141.3	141.3	140.5	139.6	143.0	155.5	183.9	226.6	312.7	438.1	70°
72.5°	127.9	129.6	129.6	131.3	131.3	133.8	138.8	153.0	181.4	244.1	344.5	72.5°
75°	114.5	115.4	117.1	118.7	117.1	116.2	117.1	127.9	142.1	180.6	245.8	75°
77.5°	102.8	105.4	105.4	104.5	102.0	100.3	100.3	105.4	117.1	137.1	175.6	77.5°
80°	85.3	89.5	90.3	87.8	85.3	85.3	87.0	90.3	97.8	112.9	132.9	80°
82.5°	68.6	72.7	73.6	74.4	73.6	76.1	76.1	76.9	81.1	92.8	108.7	82.5°
85°	52.7	56.0	58.5	59.4	60.2	61.0	60.2	56.0	58.5	66.1	73.6	85°
87.5°	23.4	24.2	22.6	23.4	22.6	23.4	24.2	20.1	19.2	25.9	26.8	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°
877.1	877.1	877.1	877.1	877.1	877.1	877.1
867.9	867.9	868.7	867.1	867.1	867.9	865.4
854.5	857.9	857.9	857.9	856.2	857.9	858.7
857.9	860.4	862.0	862.0	861.2	864.6	867.1
862.0	866.2	867.9	867.9	867.9	872.1	877.9
877.9	881.3	883.8	883.8	885.5	890.5	897.2
907.2	911.4	911.4	910.5	915.6	921.4	928.9
939.8	951.5	957.4	956.5	960.7	968.2	976.6
970.7	1003.4	1017.6	1027.6	1031.8	1041.8	1044.3
996.7	1051.0	1090.3	1123.8	1139.6	1149.7	1161.4
987.5	1061.0	1131.3	1199.8	1248.3	1297.7	1318.6
949.8	1041.8	1133.8	1234.1	1321.9	1409.7	1473.3
903.9	1014.2	1138.0	1280.1	1418.9	1553.5	1660.6
851.2	988.3	1147.2	1322.8	1505.0	1681.5	1836.1
785.1	939.0	1124.6	1326.9	1541.8	1755.9	1956.5
701.5	872.1	1071.9	1296.8	1543.5	1788.5	2028.4
617.9	787.6	1005.0	1253.4	1521.8	1796.0	2073.6
559.4	712.4	937.3	1198.2	1486.6	1784.3	2095.3
519.2	658.0	877.1	1148.0	1449.0	1763.4	2098.7
515.9	634.6	837.8	1111.2	1418.9	1745.0	2098.7
544.3	647.2	824.4	1092.8	1406.4	1739.1	2100.4
597.8	697.3	848.7	1107.0	1416.4	1746.7	2107.9
662.2	773.4	913.9	1156.4	1459.0	1771.8	2124.6
720.7	861.2	1025.1	1251.7	1536.8	1835.3	2171.4
755.0	936.5	1143.0	1385.5	1669.7	1961.6	2265.1
759.2	978.3	1247.5	1531.0	1831.1	2106.2	2414.7
755.9	981.6	1260.9	1558.5	1865.4	2142.2	2466.6
737.5	982.5	1298.5	1655.5	1984.1	2293.5	2611.2
690.6	955.7	1311.9	1731.6	2133.8	2492.5	2881.3
609.5	879.6	1272.6	1733.3	2191.5	2603.7	3051.9
490.0	735.0	1102.9	1576.9	2039.3	2494.2	3007.6
358.7	540.1	833.6	1221.6	1663.9	2076.1	2576.1
238.3	349.5	561.9	870.4	1193.2	1494.2	1854.5
163.9	216.6	328.6	523.4	729.9	876.3	1181.4
120.4	143.0	182.3	267.6	351.2	432.3	617.1
75.3	81.9	91.1	132.1	189.0	255.0	384.6
20.1	20.9	19.2	25.9	41.0	39.3	43.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)