

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: NEO-RAY

Report Number: P333436-940

Luminaire Tested: **S125DIW-S1090D770U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333436-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S1090D770U940-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6740.2 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

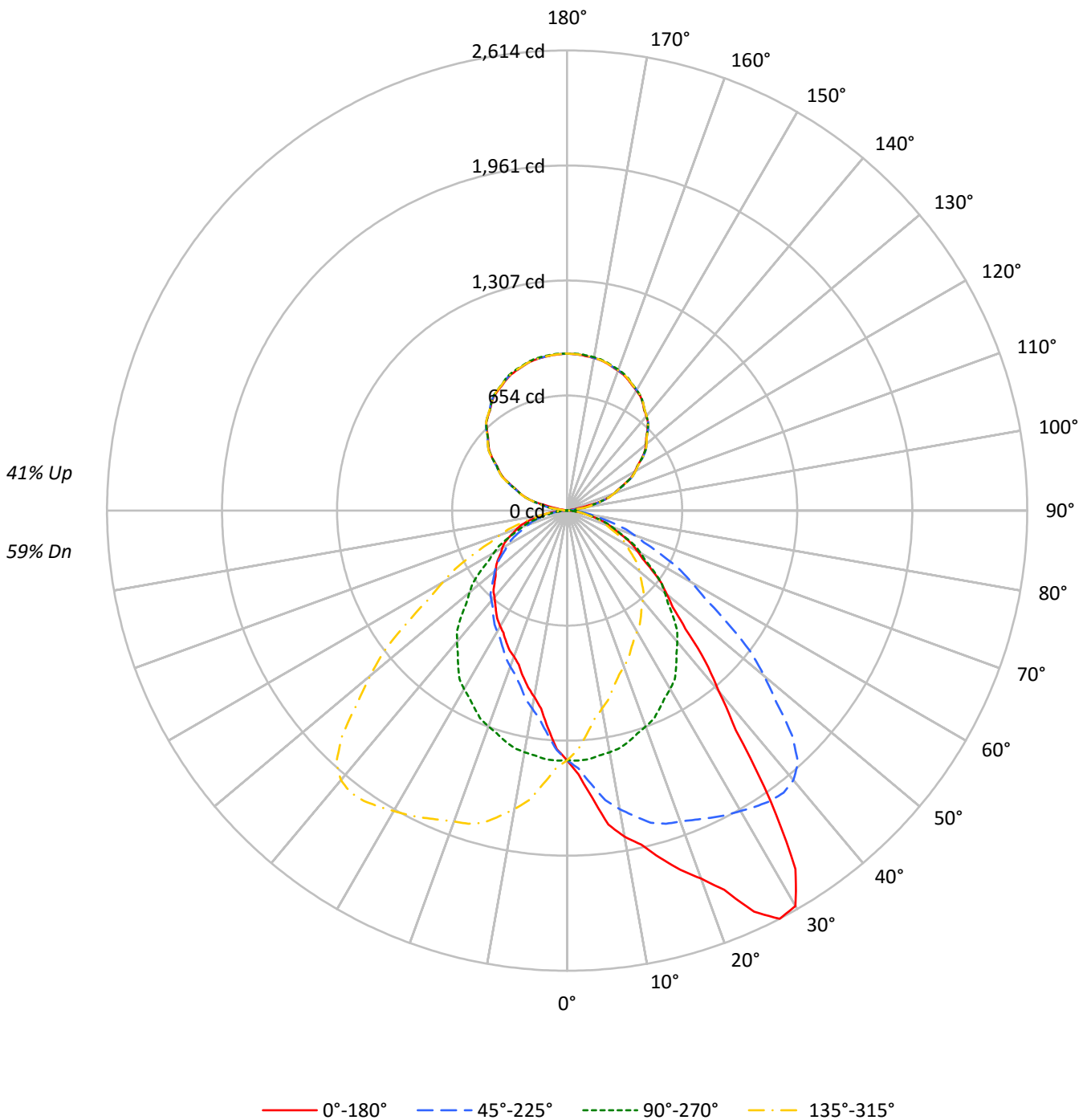
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	59
1	100	96	92	89	93	90	86	83	78	76	73	67	66	64	58	56	55	51
2	91	84	78	73	85	79	73	69	69	65	61	60	57	54	51	49	47	43
3	84	74	67	61	78	69	63	58	61	56	52	53	49	46	45	43	40	36
4	77	66	58	52	71	62	55	49	54	49	44	47	43	39	41	37	35	31
5	70	59	51	44	65	55	48	42	49	43	38	42	38	34	37	33	30	27
6	65	53	45	39	60	50	42	37	44	38	34	38	34	30	33	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21
8	56	43	35	30	52	41	34	29	36	30	26	32	27	24	28	24	21	19
9	52	40	32	27	48	37	31	26	33	28	24	29	25	21	26	22	19	17
10	49	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9158	9158	9158	9158
5°	10605	9189	8045	9189
10°	12338	9141	7050	9141
15°	13658	9074	6503	9074
20°	15289	8968	6064	8968
25°	17910	8848	5850	8848
30°	19345	8730	5665	8730
35°	15906	8508	5542	8508
40°	11306	8200	5409	8200
45°	8685	7784	5332	7784
50°	7414	7268	5322	7268
55°	6600	6764	5368	6764
60°	5955	6212	5504	6212
65°	5500	5656	5647	5656
70°	5000	5080	5729	5080
75°	4414	4474	5677	4474
80°	3715	3649	5192	3649
85°	2942	2631	4187	2631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	2.0
10°-20°	406.4	6.0
20°-30°	660.0	9.8
30°-40°	805.0	11.9
40°-50°	732.3	10.9
50°-60°	583.3	8.7
60°-70°	406.3	6.0
70°-80°	216.7	3.2
80°-90°	56.5	0.8
90°-100°	32.4	0.5
100°-110°	199.6	3.0
110°-120°	362.0	5.4
120°-130°	464.6	6.9
130°-140°	499.8	7.4
140°-150°	469.1	7.0
150°-160°	379.5	5.6
160°-170°	245.4	3.6
170°-180°	84.6	1.3
0°-30°	1202.9	17.8
0°-40°	2008.0	29.8
0°-60°	3323.6	49.3
0°-90°	4003.1	59.4
90°-120°	594.1	8.8
90°-150°	2027.6	30.1
90°-180°	2737.0	40.6
0°-180°	6740.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1418	1418	1418	1418	1418	
5°	1636	1417	1241	1417	1636	165
15°	2043	1357	973	1357	2043	585
25°	2513	1242	821	1242	2513	1148
35°	2017	1079	703	1079	2017	1235
45°	951	852	584	852	951	761
55°	586	601	477	601	586	528
65°	360	370	370	370	360	357
75°	177	179	228	179	177	191
85°	40	36	56	36	40	46
90°	16	1	16	1	16	8
95°	14	38	14	38	14	11
105°	196	194	196	194	196	177
115°	362	365	362	365	362	359
125°	519	519	519	519	519	461
135°	644	647	644	647	644	497
145°	748	750	748	750	748	467
155°	820	826	820	826	820	378
165°	867	872	867	872	867	245
175°	887	891	887	891	887	84
180°	891	891	891	891	891	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1499.9	1497.9	1496.0	1492.1	1495.0	1486.8	1483.0	1476.2	1468.0	1465.2	1461.8
5°	1635.8	1638.9	1641.9	1629.2	1630.4	1622.0	1602.8	1587.1	1574.5	1558.2	1546.8
7.5°	1799.6	1792.4	1791.9	1783.7	1769.6	1758.3	1738.0	1712.3	1687.4	1658.9	1635.5
10°	1881.4	1882.0	1876.6	1867.0	1851.9	1841.1	1814.6	1789.3	1758.6	1722.5	1696.7
12.5°	1943.0	1945.5	1938.8	1925.7	1918.3	1894.1	1873.4	1843.3	1806.8	1777.9	1738.6
15°	2042.7	2036.1	2031.3	2015.0	2002.4	1977.1	1944.0	1912.7	1872.9	1836.3	1799.6
17.5°	2138.8	2144.0	2135.0	2120.2	2081.0	2051.5	2007.1	1964.3	1914.8	1865.5	1821.7
20°	2224.5	2229.3	2215.5	2189.6	2142.6	2113.2	2054.8	1999.4	1942.2	1879.0	1830.9
22.5°	2331.4	2327.5	2308.8	2269.5	2228.8	2174.3	2111.1	2043.7	1972.0	1900.7	1836.7
25°	2513.4	2488.1	2476.6	2428.0	2374.4	2294.3	2207.6	2108.9	2019.8	1925.4	1843.5
27.5°	2614.2	2606.3	2593.5	2559.6	2503.3	2417.7	2315.5	2195.2	2069.6	1950.3	1843.2
30°	2594.0	2595.2	2596.4	2585.6	2549.5	2485.1	2383.4	2254.0	2104.7	1970.5	1846.5
32.5°	2414.9	2436.8	2457.7	2482.5	2492.7	2480.3	2416.6	2299.7	2146.1	1993.6	1844.6
35°	2017.4	2024.1	2092.0	2159.5	2250.9	2322.0	2369.5	2317.7	2188.3	2013.2	1842.3
37.5°	1573.1	1605.5	1652.6	1728.8	1860.8	1979.1	2131.1	2201.0	2159.3	2019.6	1838.1
40°	1341.0	1371.0	1401.8	1479.3	1590.7	1733.9	1906.7	2054.1	2088.5	1999.4	1823.6
42.5°	1161.8	1185.7	1219.8	1278.1	1371.2	1498.1	1663.0	1855.7	1974.3	1940.6	1793.3
45°	950.9	966.0	992.5	1038.8	1106.3	1205.5	1351.2	1561.8	1745.4	1806.2	1721.4
47.5°	814.0	813.9	834.5	866.5	915.1	999.4	1107.1	1272.2	1468.3	1613.4	1606.6
50°	737.9	734.9	751.1	778.8	817.3	873.3	976.2	1108.0	1296.4	1460.7	1506.5
52.5°	672.4	672.8	682.8	703.2	735.5	783.3	860.1	979.0	1140.0	1308.6	1394.7
55°	586.2	583.8	595.2	609.1	632.6	663.9	719.3	810.1	940.7	1106.8	1218.8
57.5°	507.2	513.9	518.4	528.1	547.6	568.6	615.2	681.9	785.5	928.1	1046.4
60°	461.0	467.6	471.3	480.9	496.5	514.6	550.7	604.8	692.1	814.9	932.3
62.5°	419.6	424.8	426.0	434.6	447.5	465.0	493.4	539.0	607.9	715.2	830.2
65°	359.9	359.9	362.3	371.3	377.4	393.0	414.6	447.8	503.2	586.8	684.9
67.5°	302.4	305.2	304.7	308.6	314.1	326.4	341.9	369.2	410.2	471.3	549.7
70°	264.8	267.2	266.6	269.7	275.6	283.5	296.1	322.0	351.5	403.9	471.3
72.5°	231.1	232.1	230.5	234.5	238.1	245.0	259.0	272.9	300.4	344.6	400.0
75°	176.9	178.2	179.3	181.7	185.4	189.0	196.2	210.1	228.1	261.2	296.8
77.5°	132.7	130.4	133.2	132.9	134.9	137.7	144.1	151.4	166.2	187.2	214.6
80°	99.9	100.5	100.5	101.1	104.2	105.9	111.4	116.7	128.2	143.8	163.1
82.5°	72.9	74.5	73.6	74.6	77.1	78.5	81.5	86.0	92.6	104.9	118.8
85°	39.7	36.7	37.9	39.1	39.1	39.7	42.1	44.0	47.5	52.3	57.8
87.5°	14.7	15.6	16.0	15.9	16.3	16.1	17.9	17.8	19.1	20.4	22.1
90°	15.9	15.4	15.0	14.5	14.1	13.5	12.8	12.0	11.3	10.6	9.5
92.5°	14.8	14.6	14.4	14.2	14.0	13.5	12.8	12.0	11.3	10.6	9.6
95°	13.9	13.9	13.9	13.9	13.9	13.5	12.8	12.0	11.3	10.6	16.1
97.5°	13.9	13.9	13.9	13.9	13.9	16.0	20.1	24.3	28.4	32.5	43.5
100°	13.9	14.4	15.1	15.6	16.2	27.5	49.3	71.2	93.1	114.9	114.4
102.5°	83.1	93.1	103.1	113.1	123.1	130.1	134.3	138.4	142.6	146.7	146.3
105°	196.3	196.4	196.5	196.7	196.8	196.9	196.9	196.9	196.9	196.9	196.9
107.5°	247.4	247.8	248.3	248.7	249.1	249.3	249.3	249.3	249.2	249.2	249.0
110°	282.8	282.7	282.5	282.3	282.2	282.3	282.8	283.2	283.7	284.1	283.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	314.5	314.7	315.0	315.1	315.3	315.7	316.3	316.8	317.4	318.0	317.8
115°	362.0	362.9	363.8	364.7	365.6	366.3	366.9	367.5	368.1	368.7	368.5
117.5°	412.9	413.2	413.6	413.9	414.4	414.9	415.7	416.4	417.2	417.9	417.4
120°	444.0	444.8	445.5	446.2	446.9	447.5	447.7	448.1	448.4	448.6	448.2
122.5°	473.6	474.5	475.3	476.2	477.0	477.6	477.9	478.1	478.5	478.8	478.6
125°	518.7	519.2	519.5	520.0	520.4	520.9	521.6	522.1	522.7	523.3	523.3
127.5°	556.6	557.7	558.7	559.8	561.0	561.7	562.0	562.3	562.6	562.9	563.0
130°	584.1	584.8	585.6	586.3	587.0	587.6	588.1	588.5	588.9	589.3	589.2
132.5°	609.5	610.2	610.9	611.6	612.4	612.8	612.9	613.0	613.1	613.1	613.5
135°	644.2	645.1	646.0	646.8	647.7	648.4	648.6	648.9	649.2	649.5	649.8
137.5°	679.1	679.8	680.6	681.4	682.2	682.5	682.4	682.4	682.3	682.2	682.5
140°	699.7	700.6	701.5	702.3	703.2	703.6	703.2	702.9	702.7	702.3	702.5
142.5°	719.3	720.1	721.0	721.9	722.8	723.2	723.2	723.1	723.0	723.0	722.7
145°	748.0	748.9	749.7	750.6	751.4	751.8	751.7	751.5	751.4	751.3	751.3
147.5°	771.6	772.7	773.7	774.8	775.8	776.2	776.1	775.9	775.7	775.5	775.3
150°	786.9	788.1	789.3	790.4	791.7	792.1	791.8	791.5	791.2	790.9	790.6
152.5°	801.2	802.3	803.3	804.3	805.4	805.8	805.5	805.2	804.9	804.6	804.3
155°	819.9	821.2	822.3	823.5	824.7	825.0	824.6	824.1	823.7	823.2	823.0
157.5°	835.7	836.9	838.0	839.2	840.3	840.7	840.3	839.8	839.4	838.8	838.8
160°	845.7	846.9	848.1	849.3	850.4	850.7	850.2	849.5	849.0	848.4	848.2
162.5°	854.7	856.0	857.3	858.6	859.9	860.1	859.3	858.4	857.6	856.8	856.7
165°	866.8	868.1	869.2	870.4	871.6	871.7	870.8	870.0	869.1	868.2	868.1
167.5°	875.3	876.6	878.0	879.3	880.7	880.7	879.7	878.6	877.5	876.6	876.4
170°	880.1	881.4	882.7	884.0	885.4	885.5	884.3	883.1	881.9	880.7	880.6
172.5°	883.2	884.6	885.9	887.3	888.5	888.7	887.6	886.5	885.5	884.5	884.2
175°	887.3	888.7	890.0	891.4	892.6	892.7	891.5	890.4	889.2	888.1	887.9
177.5°	889.7	890.6	891.6	892.5	893.5	893.6	892.7	891.9	891.1	890.3	890.1
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1458.9	1455.5	1451.7	1444.9	1436.7	1432.4	1425.7	1421.4	1412.6	1405.4	1397.8
5°	1532.9	1517.3	1502.9	1484.2	1463.7	1450.5	1434.9	1417.4	1399.4	1380.6	1360.2
7.5°	1609.6	1581.9	1551.8	1519.5	1487.8	1458.7	1430.8	1403.6	1378.0	1347.2	1321.1
10°	1661.2	1626.2	1588.9	1545.0	1502.3	1464.9	1427.0	1393.9	1360.2	1324.1	1292.2
12.5°	1712.6	1666.2	1613.5	1565.2	1513.8	1468.7	1424.2	1381.9	1339.5	1299.6	1262.3
15°	1749.0	1708.1	1659.3	1590.7	1532.9	1471.0	1411.9	1357.2	1306.0	1261.5	1214.6
17.5°	1773.0	1720.2	1667.9	1602.0	1526.3	1457.0	1390.2	1327.5	1269.8	1213.4	1168.1
20°	1777.3	1723.1	1668.4	1603.9	1526.3	1446.9	1380.1	1304.8	1242.9	1184.5	1129.1
22.5°	1775.8	1714.5	1654.8	1588.6	1512.9	1439.7	1358.9	1282.2	1215.0	1157.5	1099.7
25°	1762.3	1696.7	1622.0	1555.2	1480.6	1402.9	1321.1	1241.6	1173.0	1107.4	1050.3
27.5°	1751.0	1665.8	1581.4	1503.4	1431.4	1360.2	1281.8	1200.5	1124.4	1057.9	1004.1
30°	1737.0	1643.7	1548.5	1467.3	1393.3	1324.1	1250.1	1170.6	1091.2	1026.2	968.4
32.5°	1724.5	1615.8	1515.4	1426.9	1348.5	1281.2	1213.0	1137.4	1059.4	993.5	935.7
35°	1700.2	1574.5	1459.6	1359.6	1275.9	1206.8	1149.6	1079.1	1007.5	943.7	888.3
37.5°	1669.6	1520.3	1397.0	1292.2	1200.5	1127.6	1074.3	1020.3	951.5	890.0	840.0
40°	1645.5	1481.8	1351.2	1244.0	1149.0	1073.1	1023.8	972.6	915.4	858.3	805.3
42.5°	1615.2	1447.2	1304.9	1189.6	1095.5	1021.6	969.8	926.4	875.9	822.6	773.5
45°	1559.4	1384.3	1230.2	1106.3	1011.1	938.3	884.8	852.2	814.3	763.8	722.2
47.5°	1477.5	1308.8	1149.4	1021.5	923.4	855.9	805.7	774.5	747.8	710.2	672.5
50°	1404.7	1252.5	1091.2	964.2	866.1	798.1	751.7	723.4	700.5	671.6	639.8
52.5°	1323.4	1181.7	1033.8	908.3	811.2	744.1	698.7	673.9	654.8	634.1	602.7
55°	1194.1	1073.7	936.5	817.3	727.6	662.0	622.3	600.7	585.1	569.4	550.1
57.5°	1051.7	957.5	836.0	727.0	644.4	584.8	547.7	526.6	514.4	506.4	495.1
60°	951.5	870.9	766.2	666.8	586.2	533.2	497.1	480.9	470.6	464.0	455.6
62.5°	858.6	792.4	695.4	604.8	534.2	484.1	451.9	436.1	426.3	423.1	416.2
65°	721.7	670.5	590.4	515.2	455.0	412.2	385.2	370.1	364.1	360.5	361.1
67.5°	586.7	555.5	491.2	427.0	379.1	343.2	321.6	310.0	306.9	302.1	302.0
70°	504.4	480.9	426.7	370.8	328.0	300.3	281.1	269.0	266.0	263.6	263.1
72.5°	431.7	411.1	364.1	319.2	280.8	256.5	240.6	233.4	228.5	227.0	226.9
75°	324.4	313.0	275.6	240.1	213.7	196.8	186.0	179.3	175.8	175.1	175.8
77.5°	230.6	220.6	196.9	171.7	155.1	142.3	133.1	130.8	126.7	126.9	126.3
80°	173.3	166.7	151.7	131.8	118.0	107.1	102.3	98.1	96.9	95.1	96.9
82.5°	125.6	118.6	108.3	95.7	84.3	77.8	72.9	71.6	70.9	70.1	70.4
85°	62.0	62.6	56.5	46.9	42.1	38.5	35.5	35.5	34.9	34.3	34.9
87.5°	22.9	21.8	19.6	17.9	15.2	13.6	12.9	13.1	11.9	11.7	12.4
90°	8.6	7.5	6.4	5.4	4.2	3.0	1.9	0.6	1.9	3.0	4.2
92.5°	8.7	7.8	7.0	6.9	7.7	8.6	9.4	10.2	9.4	8.6	7.7
95°	21.8	27.3	32.9	35.9	36.4	36.7	37.2	37.6	37.2	36.7	36.4
97.5°	54.6	65.6	76.7	81.8	81.0	80.3	79.5	78.6	79.5	80.3	81.0
100°	113.8	113.2	112.6	112.1	111.6	111.2	110.8	110.3	110.8	111.2	111.6
102.5°	146.0	145.6	145.3	144.8	144.3	143.7	143.1	142.6	143.1	143.7	144.3
105°	196.9	196.9	196.9	196.6	196.0	195.5	194.8	194.2	194.8	195.5	196.0
107.5°	248.6	248.3	248.1	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.9
110°	283.6	283.2	282.9	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8



TEST NUMBER: P333436-940

CATALOG NUMBER: S125DIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	317.6	317.4	317.3	317.0	316.6	316.3	315.9	315.6	315.9	316.3	316.6
115°	368.4	368.3	368.1	367.7	366.9	366.2	365.4	364.7	365.4	366.2	366.9
117.5°	416.9	416.3	415.7	415.4	415.5	415.5	415.5	415.6	415.5	415.5	415.5
120°	447.7	447.3	446.8	446.7	446.8	447.0	447.2	447.3	447.2	447.0	446.8
122.5°	478.3	478.1	478.0	477.6	477.0	476.4	475.9	475.3	475.9	476.4	477.0
125°	523.3	523.3	523.3	522.8	521.7	520.8	519.7	518.7	519.7	520.8	521.7
127.5°	563.1	563.2	563.3	562.9	562.2	561.5	560.8	560.0	560.8	561.5	562.2
130°	589.1	588.9	588.8	588.4	587.6	586.8	586.1	585.4	586.1	586.8	587.6
132.5°	613.8	614.1	614.5	614.2	613.3	612.5	611.6	610.7	611.6	612.5	613.3
135°	650.1	650.4	650.7	650.4	649.5	648.6	647.7	646.8	647.7	648.6	649.5
137.5°	682.8	683.1	683.3	683.1	682.3	681.5	680.8	680.0	680.8	681.5	682.3
140°	702.7	702.8	702.9	702.8	702.6	702.3	702.0	701.7	702.0	702.3	702.6
142.5°	722.6	722.4	722.1	721.9	721.8	721.6	721.4	721.2	721.4	721.6	721.8
145°	751.3	751.3	751.3	751.1	750.8	750.6	750.2	749.9	750.2	750.6	750.8
147.5°	775.2	775.1	774.9	774.8	774.9	774.9	775.0	775.1	775.0	774.9	774.9
150°	790.3	790.0	789.7	789.7	790.0	790.3	790.6	790.9	790.6	790.3	790.0
152.5°	804.1	803.8	803.4	803.6	804.3	804.9	805.6	806.2	805.6	804.9	804.3
155°	822.7	822.4	822.1	822.4	823.2	824.1	825.0	825.9	825.0	824.1	823.2
157.5°	838.8	838.7	838.7	839.0	839.5	840.1	840.6	841.1	840.6	840.1	839.5
160°	848.1	847.9	847.7	848.2	849.0	849.9	850.8	851.7	850.8	849.9	849.0
162.5°	856.6	856.4	856.2	856.6	857.5	858.4	859.3	860.1	859.3	858.4	857.5
165°	867.9	867.7	867.6	868.0	868.9	869.8	870.6	871.5	870.6	869.8	868.9
167.5°	876.2	876.1	875.9	876.3	877.3	878.2	879.0	879.9	879.0	878.2	877.3
170°	880.5	880.3	880.1	880.6	881.6	882.6	883.7	884.8	883.7	882.6	881.6
172.5°	884.0	883.7	883.4	883.8	884.8	885.8	886.9	887.9	886.9	885.8	884.8
175°	887.7	887.6	887.4	887.8	888.7	889.6	890.5	891.4	890.5	889.6	888.7
177.5°	890.0	889.9	889.7	890.1	890.8	891.5	892.2	892.9	892.2	891.5	890.8
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4



TEST NUMBER: P333436-940

CATALOG NUMBER: S125DIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1393.4	1388.1	1383.8	1374.1	1368.9	1361.6	1355.8	1362.1	1355.4	1358.3	1354.0
5°	1350.0	1333.1	1321.1	1303.6	1288.6	1274.7	1264.5	1262.7	1257.8	1255.4	1248.2
7.5°	1297.7	1276.7	1256.0	1233.1	1213.8	1194.2	1181.7	1171.4	1164.5	1155.5	1149.3
10°	1266.9	1238.6	1214.6	1186.9	1162.8	1141.7	1124.9	1116.4	1108.7	1097.2	1093.0
12.5°	1228.9	1199.6	1170.3	1140.7	1117.5	1094.0	1079.6	1066.8	1061.4	1048.6	1047.2
15°	1183.3	1139.3	1110.4	1080.3	1048.5	1029.2	1017.2	1003.3	997.3	988.3	981.6
17.5°	1128.8	1089.6	1053.5	1022.3	995.0	978.7	963.9	954.3	944.0	938.1	927.2
20°	1089.4	1052.0	1015.9	982.8	961.8	943.1	931.0	922.0	911.2	908.2	897.4
22.5°	1056.1	1014.9	980.3	952.5	929.5	908.5	895.5	889.3	881.8	872.5	870.4
25°	1002.1	959.4	929.9	902.2	881.7	862.5	853.5	845.6	838.4	831.8	829.4
27.5°	955.4	917.2	882.2	857.2	839.4	821.8	813.9	804.3	799.1	793.7	787.2
30°	922.7	883.5	852.8	828.8	809.5	793.9	785.4	778.8	774.0	769.2	765.5
32.5°	888.9	852.7	823.0	799.4	780.2	768.3	760.9	756.2	750.9	745.1	740.6
35°	844.5	804.7	775.8	755.4	740.3	731.3	722.8	718.6	712.6	712.6	707.8
37.5°	794.2	759.9	734.4	715.8	702.2	694.2	685.0	682.2	678.3	675.7	674.0
40°	764.4	732.5	708.4	689.7	675.3	668.7	661.5	656.7	654.2	651.2	650.0
42.5°	733.5	703.1	680.0	662.8	650.2	644.6	637.8	634.5	629.6	625.7	625.0
45°	686.7	657.2	636.1	622.3	611.4	604.8	600.7	593.4	591.0	586.2	585.6
47.5°	642.3	614.0	593.3	582.0	572.5	567.0	560.4	553.2	550.5	548.0	547.8
50°	609.1	583.2	563.9	553.1	544.1	536.3	529.7	524.9	523.0	523.0	524.2
52.5°	575.4	553.3	537.0	523.7	515.2	506.8	500.8	497.8	495.1	498.0	500.2
55°	526.0	503.7	491.7	479.1	470.6	461.0	458.0	456.8	455.0	459.9	462.3
57.5°	473.8	458.2	444.1	431.5	423.9	418.4	414.3	413.6	417.0	419.3	427.0
60°	440.6	422.5	409.8	400.2	391.2	387.6	386.4	385.2	387.6	394.2	404.5
62.5°	403.9	389.3	375.7	368.5	361.9	355.8	355.6	356.3	361.1	368.7	378.9
65°	350.3	337.6	328.6	320.2	314.8	311.1	312.4	314.8	320.2	330.4	341.9
67.5°	295.8	287.1	279.0	272.2	267.0	267.0	268.2	271.8	278.2	290.0	300.4
70°	260.6	251.0	244.3	241.4	237.1	234.7	238.4	244.3	249.8	260.6	269.7
72.5°	225.4	217.3	212.1	210.1	208.2	206.3	207.5	214.0	221.3	232.2	242.6
75°	173.3	170.3	166.7	164.3	162.5	163.7	164.9	170.9	176.9	188.4	200.5
77.5°	126.5	123.4	121.2	120.6	119.7	120.3	123.6	128.0	133.9	142.3	151.4
80°	95.7	94.5	93.3	92.6	92.6	93.3	98.1	101.1	106.6	114.3	121.5
82.5°	69.7	68.9	68.8	68.6	69.1	69.2	72.1	76.1	80.5	86.4	92.6
85°	36.7	35.5	37.3	37.9	36.7	38.5	39.7	42.1	44.0	46.9	49.9
87.5°	13.1	14.3	14.0	14.7	14.9	16.1	15.8	17.8	18.9	20.1	19.7
90°	5.4	6.4	7.5	8.6	9.5	10.6	11.3	12.0	12.8	13.5	14.1
92.5°	6.9	7.0	7.8	8.7	9.6	10.6	11.3	12.0	12.8	13.5	14.0
95°	35.9	32.9	27.3	21.8	16.1	10.6	11.3	12.0	12.8	13.5	13.9
97.5°	81.8	76.7	65.6	54.6	43.5	32.5	28.4	24.3	20.1	16.0	13.9
100°	112.1	112.6	113.2	113.8	114.4	114.9	93.1	71.2	49.3	27.5	16.2
102.5°	144.8	145.3	145.6	146.0	146.3	146.7	142.6	138.4	134.3	130.1	123.1
105°	196.6	196.9	196.9	196.9	196.9	196.9	196.9	196.9	196.9	196.9	196.8
107.5°	247.9	248.1	248.3	248.6	249.0	249.2	249.2	249.3	249.3	249.3	249.1
110°	282.8	282.9	283.2	283.6	283.8	284.1	283.7	283.2	282.8	282.3	282.2



TEST NUMBER: P333436-940

CATALOG NUMBER: S125DIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	317.0	317.3	317.4	317.6	317.8	318.0	317.4	316.8	316.3	315.7	315.3
115°	367.7	368.1	368.3	368.4	368.5	368.7	368.1	367.5	366.9	366.3	365.6
117.5°	415.4	415.7	416.3	416.9	417.4	417.9	417.2	416.4	415.7	414.9	414.4
120°	446.7	446.8	447.3	447.7	448.2	448.6	448.4	448.1	447.7	447.5	446.9
122.5°	477.6	478.0	478.1	478.3	478.6	478.8	478.5	478.1	477.9	477.6	477.0
125°	522.8	523.3	523.3	523.3	523.3	523.3	522.7	522.1	521.6	520.9	520.4
127.5°	562.9	563.3	563.2	563.1	563.0	562.9	562.6	562.3	562.0	561.7	561.0
130°	588.4	588.8	588.9	589.1	589.2	589.3	588.9	588.5	588.1	587.6	587.0
132.5°	614.2	614.5	614.1	613.8	613.5	613.1	613.1	613.0	612.9	612.8	612.4
135°	650.4	650.7	650.4	650.1	649.8	649.5	649.2	648.9	648.6	648.4	647.7
137.5°	683.1	683.3	683.1	682.8	682.5	682.2	682.3	682.4	682.4	682.5	682.2
140°	702.8	702.9	702.8	702.7	702.5	702.3	702.7	702.9	703.2	703.6	703.2
142.5°	721.9	722.1	722.4	722.6	722.7	723.0	723.0	723.1	723.2	723.2	722.8
145°	751.1	751.3	751.3	751.3	751.3	751.3	751.4	751.5	751.7	751.8	751.4
147.5°	774.8	774.9	775.1	775.2	775.3	775.5	775.7	775.9	776.1	776.2	775.8
150°	789.7	789.7	790.0	790.3	790.6	790.9	791.2	791.5	791.8	792.1	791.7
152.5°	803.6	803.4	803.8	804.1	804.3	804.6	804.9	805.2	805.5	805.8	805.4
155°	822.4	822.1	822.4	822.7	823.0	823.2	823.7	824.1	824.6	825.0	824.7
157.5°	839.0	838.7	838.7	838.8	838.8	838.8	839.4	839.8	840.3	840.7	840.3
160°	848.2	847.7	847.9	848.1	848.2	848.4	849.0	849.5	850.2	850.7	850.4
162.5°	856.6	856.2	856.4	856.6	856.7	856.8	857.6	858.4	859.3	860.1	859.9
165°	868.0	867.6	867.7	867.9	868.1	868.2	869.1	870.0	870.8	871.7	871.6
167.5°	876.3	875.9	876.1	876.2	876.4	876.6	877.5	878.6	879.7	880.7	880.7
170°	880.6	880.1	880.3	880.5	880.6	880.7	881.9	883.1	884.3	885.5	885.4
172.5°	883.8	883.4	883.7	884.0	884.2	884.5	885.5	886.5	887.6	888.7	888.5
175°	887.8	887.4	887.6	887.7	887.9	888.1	889.2	890.4	891.5	892.7	892.6
177.5°	890.1	889.7	889.9	890.0	890.1	890.3	891.1	891.9	892.7	893.6	893.5
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4



TEST NUMBER: P333436-940

CATALOG NUMBER: S125DIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1351.0	1354.4	1351.6	1355.4	1351.6	1354.4	1351.0	1354.0	1358.3	1355.4	1362.1
5°	1245.3	1239.8	1243.4	1241.0	1243.4	1239.8	1245.3	1248.2	1255.4	1257.8	1262.7
7.5°	1147.5	1142.4	1136.4	1133.6	1136.4	1142.4	1147.5	1149.3	1155.5	1164.5	1171.4
10°	1086.4	1079.8	1079.1	1075.0	1079.1	1079.8	1086.4	1093.0	1097.2	1108.7	1116.4
12.5°	1041.6	1035.5	1028.6	1026.8	1028.6	1035.5	1041.6	1047.2	1048.6	1061.4	1066.8
15°	978.0	973.2	969.0	972.6	969.0	973.2	978.0	981.6	988.3	997.3	1003.3
17.5°	925.1	921.2	920.5	916.1	920.5	921.2	925.1	927.2	938.1	944.0	954.3
20°	892.0	888.9	890.2	882.3	890.2	888.9	892.0	897.4	908.2	911.2	922.0
22.5°	865.5	859.6	858.9	857.3	858.9	859.6	865.5	870.4	872.5	881.8	889.3
25°	823.9	820.9	818.0	820.9	818.0	820.9	823.9	829.4	831.8	838.4	845.6
27.5°	787.7	784.1	783.3	783.6	783.3	784.1	787.7	787.2	793.7	799.1	804.3
30°	765.5	759.6	760.2	759.6	760.2	759.6	765.5	765.5	769.2	774.0	778.8
32.5°	741.5	737.4	736.6	735.5	736.6	737.4	741.5	740.6	745.1	750.9	756.2
35°	706.0	706.0	702.9	702.9	702.9	706.0	706.0	707.8	712.6	712.6	718.6
37.5°	672.6	672.0	670.2	670.5	670.2	672.0	672.6	674.0	675.7	678.3	682.2
40°	647.6	647.0	645.2	641.6	645.2	647.0	647.6	650.0	651.2	654.2	656.7
42.5°	623.5	621.5	620.6	619.5	620.6	621.5	623.5	625.0	625.7	629.6	634.5
45°	585.6	585.6	584.4	583.8	584.4	585.6	585.6	585.6	586.2	591.0	593.4
47.5°	548.8	549.8	552.1	551.8	552.1	549.8	548.8	547.8	548.0	550.5	553.2
50°	526.6	527.3	529.1	529.7	529.1	527.3	526.6	524.2	523.0	523.0	524.9
52.5°	502.0	505.6	507.8	507.5	507.8	505.6	502.0	500.2	498.0	495.1	497.8
55°	467.6	471.9	476.1	476.7	476.1	471.9	467.6	462.3	459.9	455.0	456.8
57.5°	433.5	439.4	443.9	445.4	443.9	439.4	433.5	427.0	419.3	417.0	413.6
60°	410.5	418.3	423.7	426.1	423.7	418.3	410.5	404.5	394.2	387.6	385.2
62.5°	388.3	397.1	402.5	403.0	402.5	397.1	388.3	378.9	368.7	361.1	356.3
65°	352.0	361.1	366.0	369.5	366.0	361.1	352.0	341.9	330.4	320.2	314.8
67.5°	313.1	322.1	327.4	330.3	327.4	322.1	313.1	300.4	290.0	278.2	271.8
70°	284.7	293.7	301.0	303.4	301.0	293.7	284.7	269.7	260.6	249.8	244.3
72.5°	256.7	264.8	270.6	273.5	270.6	264.8	256.7	242.6	232.2	221.3	214.0
75°	208.2	219.1	224.5	227.5	224.5	219.1	208.2	200.5	188.4	176.9	170.9
77.5°	160.6	170.4	173.7	175.2	173.7	170.4	160.6	151.4	142.3	133.9	128.0
80°	128.8	134.8	139.0	139.6	139.0	134.8	128.8	121.5	114.3	106.6	101.1
82.5°	99.0	104.0	105.3	106.9	105.3	104.0	99.0	92.6	86.4	80.5	76.1
85°	54.1	56.5	57.2	56.5	57.2	56.5	54.1	49.9	46.9	44.0	42.1
87.5°	20.7	20.3	20.4	21.5	20.4	20.3	20.7	19.7	20.1	18.9	17.8
90°	14.5	15.0	15.4	15.9	15.4	15.0	14.5	14.1	13.5	12.8	12.0
92.5°	14.2	14.4	14.6	14.8	14.6	14.4	14.2	14.0	13.5	12.8	12.0
95°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.5	12.8	12.0
97.5°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	16.0	20.1	24.3
100°	15.6	15.1	14.4	13.9	14.4	15.1	15.6	16.2	27.5	49.3	71.2
102.5°	113.1	103.1	93.1	83.1	93.1	103.1	113.1	123.1	130.1	134.3	138.4
105°	196.7	196.5	196.4	196.3	196.4	196.5	196.7	196.8	196.9	196.9	196.9
107.5°	248.7	248.3	247.8	247.4	247.8	248.3	248.7	249.1	249.3	249.3	249.3
110°	282.3	282.5	282.7	282.8	282.7	282.5	282.3	282.2	282.3	282.8	283.2



TEST NUMBER: P333436-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	315.1	315.0	314.7	314.5	314.7	315.0	315.1	315.3	315.7	316.3	316.8
115°	364.7	363.8	362.9	362.0	362.9	363.8	364.7	365.6	366.3	366.9	367.5
117.5°	413.9	413.6	413.2	412.9	413.2	413.6	413.9	414.4	414.9	415.7	416.4
120°	446.2	445.5	444.8	444.0	444.8	445.5	446.2	446.9	447.5	447.7	448.1
122.5°	476.2	475.3	474.5	473.6	474.5	475.3	476.2	477.0	477.6	477.9	478.1
125°	520.0	519.5	519.2	518.7	519.2	519.5	520.0	520.4	520.9	521.6	522.1
127.5°	559.8	558.7	557.7	556.6	557.7	558.7	559.8	561.0	561.7	562.0	562.3
130°	586.3	585.6	584.8	584.1	584.8	585.6	586.3	587.0	587.6	588.1	588.5
132.5°	611.6	610.9	610.2	609.5	610.2	610.9	611.6	612.4	612.8	612.9	613.0
135°	646.8	646.0	645.1	644.2	645.1	646.0	646.8	647.7	648.4	648.6	648.9
137.5°	681.4	680.6	679.8	679.1	679.8	680.6	681.4	682.2	682.5	682.4	682.4
140°	702.3	701.5	700.6	699.7	700.6	701.5	702.3	703.2	703.6	703.2	702.9
142.5°	721.9	721.0	720.1	719.3	720.1	721.0	721.9	722.8	723.2	723.2	723.1
145°	750.6	749.7	748.9	748.0	748.9	749.7	750.6	751.4	751.8	751.7	751.5
147.5°	774.8	773.7	772.7	771.6	772.7	773.7	774.8	775.8	776.2	776.1	775.9
150°	790.4	789.3	788.1	786.9	788.1	789.3	790.4	791.7	792.1	791.8	791.5
152.5°	804.3	803.3	802.3	801.2	802.3	803.3	804.3	805.4	805.8	805.5	805.2
155°	823.5	822.3	821.2	819.9	821.2	822.3	823.5	824.7	825.0	824.6	824.1
157.5°	839.2	838.0	836.9	835.7	836.9	838.0	839.2	840.3	840.7	840.3	839.8
160°	849.3	848.1	846.9	845.7	846.9	848.1	849.3	850.4	850.7	850.2	849.5
162.5°	858.6	857.3	856.0	854.7	856.0	857.3	858.6	859.9	860.1	859.3	858.4
165°	870.4	869.2	868.1	866.8	868.1	869.2	870.4	871.6	871.7	870.8	870.0
167.5°	879.3	878.0	876.6	875.3	876.6	878.0	879.3	880.7	880.7	879.7	878.6
170°	884.0	882.7	881.4	880.1	881.4	882.7	884.0	885.4	885.5	884.3	883.1
172.5°	887.3	885.9	884.6	883.2	884.6	885.9	887.3	888.5	888.7	887.6	886.5
175°	891.4	890.0	888.7	887.3	888.7	890.0	891.4	892.6	892.7	891.5	890.4
177.5°	892.5	891.6	890.6	889.7	890.6	891.6	892.5	893.5	893.6	892.7	891.9
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4



TEST NUMBER: P333436-940

CATALOG NUMBER: S125DIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1355.8	1361.6	1368.9	1374.1	1383.8	1388.1	1393.4	1397.8	1405.4	1412.6	1421.4
5°	1264.5	1274.7	1288.6	1303.6	1321.1	1333.1	1350.0	1360.2	1380.6	1399.4	1417.4
7.5°	1181.7	1194.2	1213.8	1233.1	1256.0	1276.7	1297.7	1321.1	1347.2	1378.0	1403.6
10°	1124.9	1141.7	1162.8	1186.9	1214.6	1238.6	1266.9	1292.2	1324.1	1360.2	1393.9
12.5°	1079.6	1094.0	1117.5	1140.7	1170.3	1199.6	1228.9	1262.3	1299.6	1339.5	1381.9
15°	1017.2	1029.2	1048.5	1080.3	1110.4	1139.3	1183.3	1214.6	1261.5	1306.0	1357.2
17.5°	963.9	978.7	995.0	1022.3	1053.5	1089.6	1128.8	1168.1	1213.4	1269.8	1327.5
20°	931.0	943.1	961.8	982.8	1015.9	1052.0	1089.4	1129.1	1184.5	1242.9	1304.8
22.5°	895.5	908.5	929.5	952.5	980.3	1014.9	1056.1	1099.7	1157.5	1215.0	1282.2
25°	853.5	862.5	881.7	902.2	929.9	959.4	1002.1	1050.3	1107.4	1173.0	1241.6
27.5°	813.9	821.8	839.4	857.2	882.2	917.2	955.4	1004.1	1057.9	1124.4	1200.5
30°	785.4	793.9	809.5	828.8	852.8	883.5	922.7	968.4	1026.2	1091.2	1170.6
32.5°	760.9	768.3	780.2	799.4	823.0	852.7	888.9	935.7	993.5	1059.4	1137.4
35°	722.8	731.3	740.3	755.4	775.8	804.7	844.5	888.3	943.7	1007.5	1079.1
37.5°	685.0	694.2	702.2	715.8	734.4	759.9	794.2	840.0	890.0	951.5	1020.3
40°	661.5	668.7	675.3	689.7	708.4	732.5	764.4	805.3	858.3	915.4	972.6
42.5°	637.8	644.6	650.2	662.8	680.0	703.1	733.5	773.5	822.6	875.9	926.4
45°	600.7	604.8	611.4	622.3	636.1	657.2	686.7	722.2	763.8	814.3	852.2
47.5°	560.4	567.0	572.5	582.0	593.3	614.0	642.3	672.5	710.2	747.8	774.5
50°	529.7	536.3	544.1	553.1	563.9	583.2	609.1	639.8	671.6	700.5	723.4
52.5°	500.8	506.8	515.2	523.7	537.0	553.3	575.4	602.7	634.1	654.8	673.9
55°	458.0	461.0	470.6	479.1	491.7	503.7	526.0	550.1	569.4	585.1	600.7
57.5°	414.3	418.4	423.9	431.5	444.1	458.2	473.8	495.1	506.4	514.4	526.6
60°	386.4	387.6	391.2	400.2	409.8	422.5	440.6	455.6	464.0	470.6	480.9
62.5°	355.6	355.8	361.9	368.5	375.7	389.3	403.9	416.2	423.1	426.3	436.1
65°	312.4	311.1	314.8	320.2	328.6	337.6	350.3	361.1	360.5	364.1	370.1
67.5°	268.2	267.0	267.0	272.2	279.0	287.1	295.8	302.0	302.1	306.9	310.0
70°	238.4	234.7	237.1	241.4	244.3	251.0	260.6	263.1	263.6	266.0	269.0
72.5°	207.5	206.3	208.2	210.1	212.1	217.3	225.4	226.9	227.0	228.5	233.4
75°	164.9	163.7	162.5	164.3	166.7	170.3	173.3	175.8	175.1	175.8	179.3
77.5°	123.6	120.3	119.7	120.6	121.2	123.4	126.5	126.3	126.9	126.7	130.8
80°	98.1	93.3	92.6	92.6	93.3	94.5	95.7	96.9	95.1	96.9	98.1
82.5°	72.1	69.2	69.1	68.6	68.8	68.9	69.7	70.4	70.1	70.9	71.6
85°	39.7	38.5	36.7	37.9	37.3	35.5	36.7	34.9	34.3	34.9	35.5
87.5°	15.8	16.1	14.9	14.7	14.0	14.3	13.1	12.4	11.7	11.9	13.1
90°	11.3	10.6	9.5	8.6	7.5	6.4	5.4	4.2	3.0	1.9	0.6
92.5°	11.3	10.6	9.6	8.7	7.8	7.0	6.9	7.7	8.6	9.4	10.2
95°	11.3	10.6	16.1	21.8	27.3	32.9	35.9	36.4	36.7	37.2	37.6
97.5°	28.4	32.5	43.5	54.6	65.6	76.7	81.8	81.0	80.3	79.5	78.6
100°	93.1	114.9	114.4	113.8	113.2	112.6	112.1	111.6	111.2	110.8	110.3
102.5°	142.6	146.7	146.3	146.0	145.6	145.3	144.8	144.3	143.7	143.1	142.6
105°	196.9	196.9	196.9	196.9	196.9	196.9	196.6	196.0	195.5	194.8	194.2
107.5°	249.2	249.2	249.0	248.6	248.3	248.1	247.9	247.9	247.9	247.9	247.9
110°	283.7	284.1	283.8	283.6	283.2	282.9	282.8	282.8	282.8	282.8	282.8



TEST NUMBER: P333436-940

CATALOG NUMBER: S125DIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	317.4	318.0	317.8	317.6	317.4	317.3	317.0	316.6	316.3	315.9	315.6
115°	368.1	368.7	368.5	368.4	368.3	368.1	367.7	366.9	366.2	365.4	364.7
117.5°	417.2	417.9	417.4	416.9	416.3	415.7	415.4	415.5	415.5	415.5	415.6
120°	448.4	448.6	448.2	447.7	447.3	446.8	446.7	446.8	447.0	447.2	447.3
122.5°	478.5	478.8	478.6	478.3	478.1	478.0	477.6	477.0	476.4	475.9	475.3
125°	522.7	523.3	523.3	523.3	523.3	523.3	522.8	521.7	520.8	519.7	518.7
127.5°	562.6	562.9	563.0	563.1	563.2	563.3	562.9	562.2	561.5	560.8	560.0
130°	588.9	589.3	589.2	589.1	588.9	588.8	588.4	587.6	586.8	586.1	585.4
132.5°	613.1	613.1	613.5	613.8	614.1	614.5	614.2	613.3	612.5	611.6	610.7
135°	649.2	649.5	649.8	650.1	650.4	650.7	650.4	649.5	648.6	647.7	646.8
137.5°	682.3	682.2	682.5	682.8	683.1	683.3	683.1	682.3	681.5	680.8	680.0
140°	702.7	702.3	702.5	702.7	702.8	702.9	702.8	702.6	702.3	702.0	701.7
142.5°	723.0	723.0	722.7	722.6	722.4	722.1	721.9	721.8	721.6	721.4	721.2
145°	751.4	751.3	751.3	751.3	751.3	751.3	751.1	750.8	750.6	750.2	749.9
147.5°	775.7	775.5	775.3	775.2	775.1	774.9	774.8	774.9	774.9	775.0	775.1
150°	791.2	790.9	790.6	790.3	790.0	789.7	789.7	790.0	790.3	790.6	790.9
152.5°	804.9	804.6	804.3	804.1	803.8	803.4	803.6	804.3	804.9	805.6	806.2
155°	823.7	823.2	823.0	822.7	822.4	822.1	822.4	823.2	824.1	825.0	825.9
157.5°	839.4	838.8	838.8	838.8	838.7	838.7	839.0	839.5	840.1	840.6	841.1
160°	849.0	848.4	848.2	848.1	847.9	847.7	848.2	849.0	849.9	850.8	851.7
162.5°	857.6	856.8	856.7	856.6	856.4	856.2	856.6	857.5	858.4	859.3	860.1
165°	869.1	868.2	868.1	867.9	867.7	867.6	868.0	868.9	869.8	870.6	871.5
167.5°	877.5	876.6	876.4	876.2	876.1	875.9	876.3	877.3	878.2	879.0	879.9
170°	881.9	880.7	880.6	880.5	880.3	880.1	880.6	881.6	882.6	883.7	884.8
172.5°	885.5	884.5	884.2	884.0	883.7	883.4	883.8	884.8	885.8	886.9	887.9
175°	889.2	888.1	887.9	887.7	887.6	887.4	887.8	888.7	889.6	890.5	891.4
177.5°	891.1	890.3	890.1	890.0	889.9	889.7	890.1	890.8	891.5	892.2	892.9
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4



TEST NUMBER: P333436-940

CATALOG NUMBER: S125DIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1425.7	1432.4	1436.7	1444.9	1451.7	1455.5	1458.9	1461.8	1465.2	1468.0	1476.2
5°	1434.9	1450.5	1463.7	1484.2	1502.9	1517.3	1532.9	1546.8	1558.2	1574.5	1587.1
7.5°	1430.8	1458.7	1487.8	1519.5	1551.8	1581.9	1609.6	1635.5	1658.9	1687.4	1712.3
10°	1427.0	1464.9	1502.3	1545.0	1588.9	1626.2	1661.2	1696.7	1722.5	1758.6	1789.3
12.5°	1424.2	1468.7	1513.8	1565.2	1613.5	1666.2	1712.6	1738.6	1777.9	1806.8	1843.3
15°	1411.9	1471.0	1532.9	1590.7	1659.3	1708.1	1749.0	1799.6	1836.3	1872.9	1912.7
17.5°	1390.2	1457.0	1526.3	1602.0	1667.9	1720.2	1773.0	1821.7	1865.5	1914.8	1964.3
20°	1380.1	1446.9	1526.3	1603.9	1668.4	1723.1	1777.3	1830.9	1879.0	1942.2	1999.4
22.5°	1358.9	1439.7	1512.9	1588.6	1654.8	1714.5	1775.8	1836.7	1900.7	1972.0	2043.7
25°	1321.1	1402.9	1480.6	1555.2	1622.0	1696.7	1762.3	1843.5	1925.4	2019.8	2108.9
27.5°	1281.8	1360.2	1431.4	1503.4	1581.4	1665.8	1751.0	1843.2	1950.3	2069.6	2195.2
30°	1250.1	1324.1	1393.3	1467.3	1548.5	1643.7	1737.0	1846.5	1970.5	2104.7	2254.0
32.5°	1213.0	1281.2	1348.5	1426.9	1515.4	1615.8	1724.5	1844.6	1993.6	2146.1	2299.7
35°	1149.6	1206.8	1275.9	1359.6	1459.6	1574.5	1700.2	1842.3	2013.2	2188.3	2317.7
37.5°	1074.3	1127.6	1200.5	1292.2	1397.0	1520.3	1669.6	1838.1	2019.6	2159.3	2201.0
40°	1023.8	1073.1	1149.0	1244.0	1351.2	1481.8	1645.5	1823.6	1999.4	2088.5	2054.1
42.5°	969.8	1021.6	1095.5	1189.6	1304.9	1447.2	1615.2	1793.3	1940.6	1974.3	1855.7
45°	884.8	938.3	1011.1	1106.3	1230.2	1384.3	1559.4	1721.4	1806.2	1745.4	1561.8
47.5°	805.7	855.9	923.4	1021.5	1149.4	1308.8	1477.5	1606.6	1613.4	1468.3	1272.2
50°	751.7	798.1	866.1	964.2	1091.2	1252.5	1404.7	1506.5	1460.7	1296.4	1108.0
52.5°	698.7	744.1	811.2	908.3	1033.8	1181.7	1323.4	1394.7	1308.6	1140.0	979.0
55°	622.3	662.0	727.6	817.3	936.5	1073.7	1194.1	1218.8	1106.8	940.7	810.1
57.5°	547.7	584.8	644.4	727.0	836.0	957.5	1051.7	1046.4	928.1	785.5	681.9
60°	497.1	533.2	586.2	666.8	766.2	870.9	951.5	932.3	814.9	692.1	604.8
62.5°	451.9	484.1	534.2	604.8	695.4	792.4	858.6	830.2	715.2	607.9	539.0
65°	385.2	412.2	455.0	515.2	590.4	670.5	721.7	684.9	586.8	503.2	447.8
67.5°	321.6	343.2	379.1	427.0	491.2	555.5	586.7	549.7	471.3	410.2	369.2
70°	281.1	300.3	328.0	370.8	426.7	480.9	504.4	471.3	403.9	351.5	322.0
72.5°	240.6	256.5	280.8	319.2	364.1	411.1	431.7	400.0	344.6	300.4	272.9
75°	186.0	196.8	213.7	240.1	275.6	313.0	324.4	296.8	261.2	228.1	210.1
77.5°	133.1	142.3	155.1	171.7	196.9	220.6	230.6	214.6	187.2	166.2	151.4
80°	102.3	107.1	118.0	131.8	151.7	166.7	173.3	163.1	143.8	128.2	116.7
82.5°	72.9	77.8	84.3	95.7	108.3	118.6	125.6	118.8	104.9	92.6	86.0
85°	35.5	38.5	42.1	46.9	56.5	62.6	62.0	57.8	52.3	47.5	44.0
87.5°	12.9	13.6	15.2	17.9	19.6	21.8	22.9	22.1	20.4	19.1	17.8
90°	1.9	3.0	4.2	5.4	6.4	7.5	8.6	9.5	10.6	11.3	12.0
92.5°	9.4	8.6	7.7	6.9	7.0	7.8	8.7	9.6	10.6	11.3	12.0
95°	37.2	36.7	36.4	35.9	32.9	27.3	21.8	16.1	10.6	11.3	12.0
97.5°	79.5	80.3	81.0	81.8	76.7	65.6	54.6	43.5	32.5	28.4	24.3
100°	110.8	111.2	111.6	112.1	112.6	113.2	113.8	114.4	114.9	93.1	71.2
102.5°	143.1	143.7	144.3	144.8	145.3	145.6	146.0	146.3	146.7	142.6	138.4
105°	194.8	195.5	196.0	196.6	196.9	196.9	196.9	196.9	196.9	196.9	196.9
107.5°	247.9	247.9	247.9	247.9	248.1	248.3	248.6	249.0	249.2	249.2	249.3
110°	282.8	282.8	282.8	282.8	282.9	283.2	283.6	283.8	284.1	283.7	283.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	315.9	316.3	316.6	317.0	317.3	317.4	317.6	317.8	318.0	317.4	316.8
115°	365.4	366.2	366.9	367.7	368.1	368.3	368.4	368.5	368.7	368.1	367.5
117.5°	415.5	415.5	415.5	415.4	415.7	416.3	416.9	417.4	417.9	417.2	416.4
120°	447.2	447.0	446.8	446.7	446.8	447.3	447.7	448.2	448.6	448.4	448.1
122.5°	475.9	476.4	477.0	477.6	478.0	478.1	478.3	478.6	478.8	478.5	478.1
125°	519.7	520.8	521.7	522.8	523.3	523.3	523.3	523.3	523.3	522.7	522.1
127.5°	560.8	561.5	562.2	562.9	563.3	563.2	563.1	563.0	562.9	562.6	562.3
130°	586.1	586.8	587.6	588.4	588.8	588.9	589.1	589.2	589.3	588.9	588.5
132.5°	611.6	612.5	613.3	614.2	614.5	614.1	613.8	613.5	613.1	613.1	613.0
135°	647.7	648.6	649.5	650.4	650.7	650.4	650.1	649.8	649.5	649.2	648.9
137.5°	680.8	681.5	682.3	683.1	683.3	683.1	682.8	682.5	682.2	682.3	682.4
140°	702.0	702.3	702.6	702.8	702.9	702.8	702.7	702.5	702.3	702.7	702.9
142.5°	721.4	721.6	721.8	721.9	722.1	722.4	722.6	722.7	723.0	723.0	723.1
145°	750.2	750.6	750.8	751.1	751.3	751.3	751.3	751.3	751.3	751.4	751.5
147.5°	775.0	774.9	774.9	774.8	774.9	775.1	775.2	775.3	775.5	775.7	775.9
150°	790.6	790.3	790.0	789.7	789.7	790.0	790.3	790.6	790.9	791.2	791.5
152.5°	805.6	804.9	804.3	803.6	803.4	803.8	804.1	804.3	804.6	804.9	805.2
155°	825.0	824.1	823.2	822.4	822.1	822.4	822.7	823.0	823.2	823.7	824.1
157.5°	840.6	840.1	839.5	839.0	838.7	838.7	838.8	838.8	838.8	839.4	839.8
160°	850.8	849.9	849.0	848.2	847.7	847.9	848.1	848.2	848.4	849.0	849.5
162.5°	859.3	858.4	857.5	856.6	856.2	856.4	856.6	856.7	856.8	857.6	858.4
165°	870.6	869.8	868.9	868.0	867.6	867.7	867.9	868.1	868.2	869.1	870.0
167.5°	879.0	878.2	877.3	876.3	875.9	876.1	876.2	876.4	876.6	877.5	878.6
170°	883.7	882.6	881.6	880.6	880.1	880.3	880.5	880.6	880.7	881.9	883.1
172.5°	886.9	885.8	884.8	883.8	883.4	883.7	884.0	884.2	884.5	885.5	886.5
175°	890.5	889.6	888.7	887.8	887.4	887.6	887.7	887.9	888.1	889.2	890.4
177.5°	892.2	891.5	890.8	890.1	889.7	889.9	890.0	890.1	890.3	891.1	891.9
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1483.0	1486.8	1495.0	1492.1	1496.0	1497.9	1499.9
5°	1602.8	1622.0	1630.4	1629.2	1641.9	1638.9	1635.8
7.5°	1738.0	1758.3	1769.6	1783.7	1791.9	1792.4	1799.6
10°	1814.6	1841.1	1851.9	1867.0	1876.6	1882.0	1881.4
12.5°	1873.4	1894.1	1918.3	1925.7	1938.8	1945.5	1943.0
15°	1944.0	1977.1	2002.4	2015.0	2031.3	2036.1	2042.7
17.5°	2007.1	2051.5	2081.0	2120.2	2135.0	2144.0	2138.8
20°	2054.8	2113.2	2142.6	2189.6	2215.5	2229.3	2224.5
22.5°	2111.1	2174.3	2228.8	2269.5	2308.8	2327.5	2331.4
25°	2207.6	2294.3	2374.4	2428.0	2476.6	2488.1	2513.4
27.5°	2315.5	2417.7	2503.3	2559.6	2593.5	2606.3	2614.2
30°	2383.4	2485.1	2549.5	2585.6	2596.4	2595.2	2594.0
32.5°	2416.6	2480.3	2492.7	2482.5	2457.7	2436.8	2414.9
35°	2369.5	2322.0	2250.9	2159.5	2092.0	2024.1	2017.4
37.5°	2131.1	1979.1	1860.8	1728.8	1652.6	1605.5	1573.1
40°	1906.7	1733.9	1590.7	1479.3	1401.8	1371.0	1341.0
42.5°	1663.0	1498.1	1371.2	1278.1	1219.8	1185.7	1161.8
45°	1351.2	1205.5	1106.3	1038.8	992.5	966.0	950.9
47.5°	1107.1	999.4	915.1	866.5	834.5	813.9	814.0
50°	976.2	873.3	817.3	778.8	751.1	734.9	737.9
52.5°	860.1	783.3	735.5	703.2	682.8	672.8	672.4
55°	719.3	663.9	632.6	609.1	595.2	583.8	586.2
57.5°	615.2	568.6	547.6	528.1	518.4	513.9	507.2
60°	550.7	514.6	496.5	480.9	471.3	467.6	461.0
62.5°	493.4	465.0	447.5	434.6	426.0	424.8	419.6
65°	414.6	393.0	377.4	371.3	362.3	359.9	359.9
67.5°	341.9	326.4	314.1	308.6	304.7	305.2	302.4
70°	296.1	283.5	275.6	269.7	266.6	267.2	264.8
72.5°	259.0	245.0	238.1	234.5	230.5	232.1	231.1
75°	196.2	189.0	185.4	181.7	179.3	178.2	176.9
77.5°	144.1	137.7	134.9	132.9	133.2	130.4	132.7
80°	111.4	105.9	104.2	101.1	100.5	100.5	99.9
82.5°	81.5	78.5	77.1	74.6	73.6	74.5	72.9
85°	42.1	39.7	39.1	39.1	37.9	36.7	39.7
87.5°	17.9	16.1	16.3	15.9	16.0	15.6	14.7
90°	12.8	13.5	14.1	14.5	15.0	15.4	15.9
92.5°	12.8	13.5	14.0	14.2	14.4	14.6	14.8
95°	12.8	13.5	13.9	13.9	13.9	13.9	13.9
97.5°	20.1	16.0	13.9	13.9	13.9	13.9	13.9
100°	49.3	27.5	16.2	15.6	15.1	14.4	13.9
102.5°	134.3	130.1	123.1	113.1	103.1	93.1	83.1
105°	196.9	196.9	196.8	196.7	196.5	196.4	196.3
107.5°	249.3	249.3	249.1	248.7	248.3	247.8	247.4
110°	282.8	282.3	282.2	282.3	282.5	282.7	282.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	316.3	315.7	315.3	315.1	315.0	314.7	314.5
115°	366.9	366.3	365.6	364.7	363.8	362.9	362.0
117.5°	415.7	414.9	414.4	413.9	413.6	413.2	412.9
120°	447.7	447.5	446.9	446.2	445.5	444.8	444.0
122.5°	477.9	477.6	477.0	476.2	475.3	474.5	473.6
125°	521.6	520.9	520.4	520.0	519.5	519.2	518.7
127.5°	562.0	561.7	561.0	559.8	558.7	557.7	556.6
130°	588.1	587.6	587.0	586.3	585.6	584.8	584.1
132.5°	612.9	612.8	612.4	611.6	610.9	610.2	609.5
135°	648.6	648.4	647.7	646.8	646.0	645.1	644.2
137.5°	682.4	682.5	682.2	681.4	680.6	679.8	679.1
140°	703.2	703.6	703.2	702.3	701.5	700.6	699.7
142.5°	723.2	723.2	722.8	721.9	721.0	720.1	719.3
145°	751.7	751.8	751.4	750.6	749.7	748.9	748.0
147.5°	776.1	776.2	775.8	774.8	773.7	772.7	771.6
150°	791.8	792.1	791.7	790.4	789.3	788.1	786.9
152.5°	805.5	805.8	805.4	804.3	803.3	802.3	801.2
155°	824.6	825.0	824.7	823.5	822.3	821.2	819.9
157.5°	840.3	840.7	840.3	839.2	838.0	836.9	835.7
160°	850.2	850.7	850.4	849.3	848.1	846.9	845.7
162.5°	859.3	860.1	859.9	858.6	857.3	856.0	854.7
165°	870.8	871.7	871.6	870.4	869.2	868.1	866.8
167.5°	879.7	880.7	880.7	879.3	878.0	876.6	875.3
170°	884.3	885.5	885.4	884.0	882.7	881.4	880.1
172.5°	887.6	888.7	888.5	887.3	885.9	884.6	883.2
175°	891.5	892.7	892.6	891.4	890.0	888.7	887.3
177.5°	892.7	893.6	893.5	892.5	891.6	890.6	889.7
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4

(END OF REPORT)