

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: P333268-940

Luminaire Tested: **S125DIP-S1090D810U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333268-940
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: S125DIP-S1090D810U940-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6892.1 lumens
Efficiency: N/A
Efficacy: 126.7 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

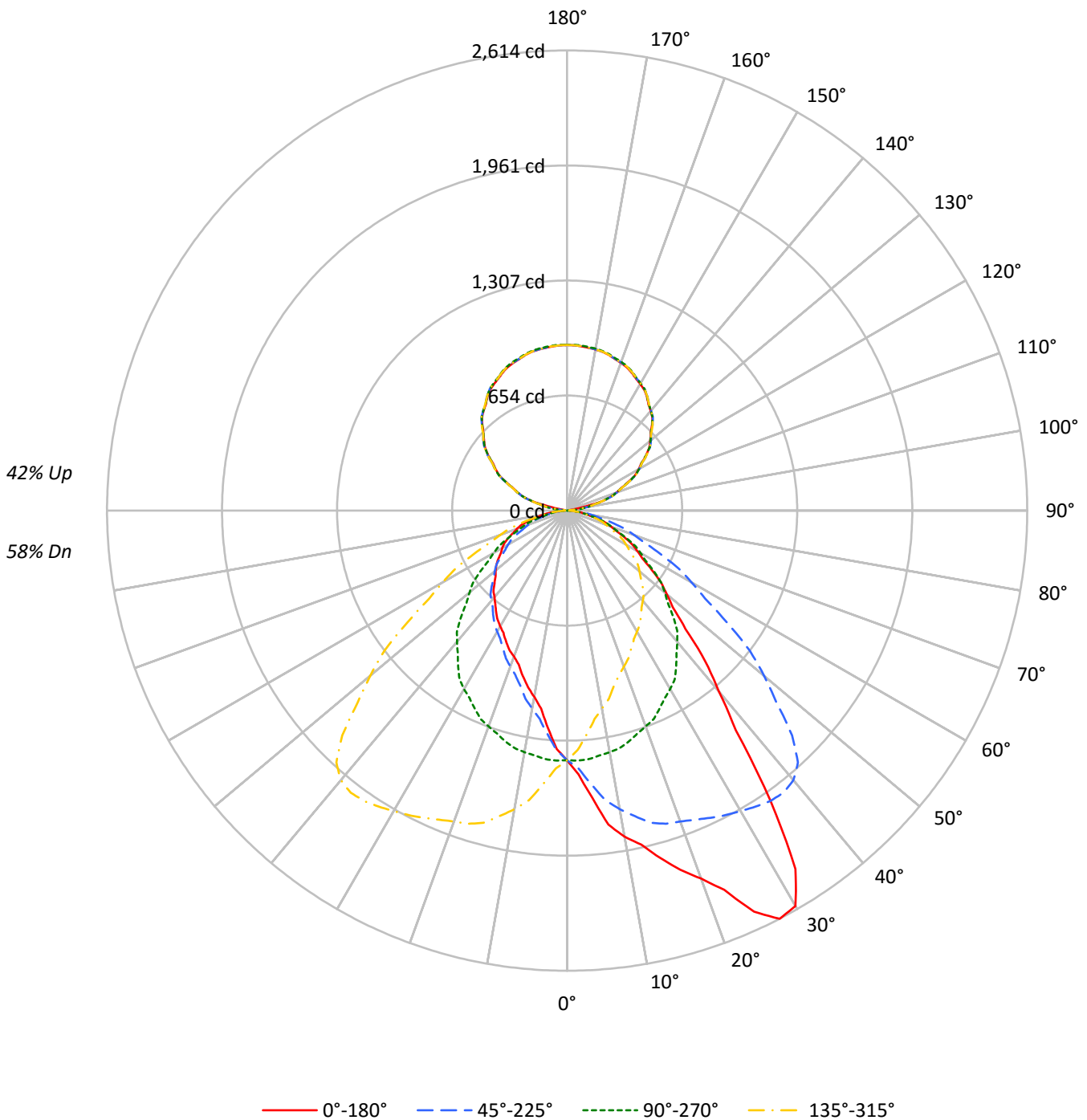
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-UDD-A

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	88	88	88	75	75	75	64	64	64	58
1	100	96	92	88	93	89	86	83	77	75	73	67	65	63	57	55	54	49
2	91	84	78	73	85	78	73	68	68	64	61	59	56	53	50	48	46	42
3	83	74	67	61	77	69	63	57	60	55	51	52	48	45	45	42	39	36
4	76	65	58	52	71	61	54	49	54	48	44	47	42	39	40	37	34	31
5	70	58	50	44	65	55	48	42	48	42	38	42	37	34	36	33	30	27
6	65	53	44	39	60	49	42	37	43	38	33	38	33	30	33	29	26	24
7	60	47	39	34	56	45	37	32	39	34	29	35	30	26	30	26	23	21
8	56	43	35	30	52	41	34	29	36	30	26	32	27	23	27	24	21	19
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	22	19	17
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15

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



TEST NUMBER: P333268-940

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	2.0
10°-20°	406.4	5.9
20°-30°	660.0	9.6
30°-40°	805.0	11.7
40°-50°	732.3	10.6
50°-60°	583.3	8.5
60°-70°	406.3	5.9
70°-80°	216.7	3.1
80°-90°	56.6	0.8
90°-100°	34.2	0.5
100°-110°	210.7	3.1
110°-120°	382.1	5.5
120°-130°	490.4	7.1
130°-140°	527.5	7.7
140°-150°	495.1	7.2
150°-160°	400.5	5.8
160°-170°	259.0	3.8
170°-180°	89.3	1.3
0°-30°	1202.9	17.5
0°-40°	2008.0	29.1
0°-60°	3323.6	48.2
0°-90°	4003.2	58.1
90°-120°	627.0	9.1
90°-150°	2140.0	31.0
90°-180°	2889.0	41.9
0°-180°	6892.1	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°	17	1	17	1	17	9
95°	15	40	15	40	15	12
105°	207	205	207	205	207	187
115°	382	385	382	385	382	379
125°	547	547	547	547	547	487
135°	680	683	680	683	680	525
145°	789	792	789	792	789	493
155°	865	872	865	872	865	399
165°	915	920	915	920	915	258
175°	937	941	937	941	937	89
180°	941	941	941	941	941	



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-UDD-A

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°	14.9	15.8	16.1	16.1	16.5	16.3	18.1	17.9	19.3	20.5	22.2
90°	16.8	16.2	15.8	15.3	14.9	14.3	13.5	12.8	11.9	11.1	10.1
92.5°	15.6	15.4	15.2	15.0	14.7	14.3	13.5	12.8	11.9	11.1	10.2
95°	14.6	14.6	14.6	14.6	14.6	14.3	13.5	12.8	11.9	11.1	17.0
97.5°	14.6	14.6	14.6	14.6	14.6	16.9	21.2	25.6	30.0	34.3	45.9
100°	14.6	15.2	15.9	16.5	17.1	29.0	52.1	75.2	98.3	121.4	120.7
102.5°	87.7	98.3	108.8	119.3	129.9	137.3	141.7	146.1	150.4	154.8	154.4
105°	207.1	207.2	207.4	207.6	207.8	207.8	207.8	207.8	207.8	207.8	207.8
107.5°	261.1	261.5	262.0	262.5	263.0	263.1	263.1	263.1	263.1	263.1	262.7
110°	298.5	298.3	298.2	298.0	297.8	298.0	298.5	298.9	299.4	299.9	299.5



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	332.0	332.2	332.3	332.6	332.8	333.2	333.8	334.4	335.0	335.6	335.4
115°	382.2	383.1	384.0	385.0	385.8	386.6	387.3	387.9	388.5	389.1	389.0
117.5°	435.7	436.1	436.5	436.9	437.3	437.9	438.7	439.5	440.3	441.1	440.6
120°	468.6	469.4	470.2	470.9	471.7	472.3	472.6	472.9	473.2	473.5	473.1
122.5°	499.9	500.8	501.7	502.6	503.5	504.1	504.4	504.7	505.0	505.3	505.1
125°	547.4	547.9	548.3	548.8	549.3	549.8	550.5	551.1	551.7	552.3	552.3
127.5°	587.5	588.6	589.8	590.9	592.0	592.8	593.2	593.4	593.8	594.1	594.2
130°	616.4	617.2	618.0	618.8	619.6	620.2	620.6	621.1	621.6	622.1	621.9
132.5°	643.3	644.0	644.8	645.6	646.3	646.8	646.8	646.9	647.0	647.1	647.5
135°	679.9	680.8	681.8	682.7	683.7	684.3	684.6	684.9	685.2	685.5	685.8
137.5°	716.8	717.6	718.4	719.2	720.0	720.3	720.2	720.2	720.1	720.1	720.4
140°	738.5	739.4	740.4	741.3	742.3	742.5	742.3	741.9	741.6	741.3	741.5
142.5°	759.1	760.1	761.0	762.0	762.9	763.3	763.2	763.2	763.1	763.0	762.9
145°	789.4	790.3	791.3	792.2	793.1	793.5	793.4	793.2	793.1	792.9	792.9
147.5°	814.4	815.5	816.6	817.7	818.9	819.3	819.1	818.9	818.8	818.6	818.4
150°	830.5	831.8	833.0	834.3	835.5	836.0	835.7	835.4	835.1	834.7	834.5
152.5°	845.6	846.8	847.8	849.0	850.1	850.5	850.2	849.9	849.5	849.3	848.9
155°	865.4	866.7	867.9	869.2	870.4	870.8	870.3	869.9	869.3	868.9	868.6
157.5°	882.0	883.2	884.5	885.7	887.0	887.3	886.9	886.4	885.8	885.4	885.3
160°	892.6	893.9	895.1	896.3	897.6	897.9	897.2	896.6	896.0	895.4	895.3
162.5°	902.1	903.5	904.8	906.2	907.6	907.8	907.0	906.1	905.2	904.4	904.2
165°	914.9	916.1	917.4	918.6	919.9	920.1	919.1	918.2	917.3	916.3	916.1
167.5°	923.9	925.2	926.7	928.0	929.4	929.6	928.4	927.4	926.2	925.1	925.0
170°	928.9	930.2	931.7	933.1	934.4	934.5	933.3	932.0	930.9	929.6	929.4
172.5°	932.2	933.6	935.0	936.4	937.8	938.0	936.8	935.7	934.6	933.4	933.2
175°	936.6	938.0	939.3	940.8	942.1	942.2	940.9	939.7	938.5	937.3	937.1
177.5°	939.1	940.0	941.0	942.0	943.1	943.1	942.2	941.4	940.5	939.6	939.5
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-UDD-A

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°	23.0	21.8	19.6	18.0	15.3	13.6	12.9	13.1	11.9	11.7	12.4
90°	9.0	7.9	6.8	5.6	4.5	3.2	2.0	0.7	2.0	3.2	4.5
92.5°	9.3	8.3	7.3	7.3	8.1	9.0	9.9	10.7	9.9	9.0	8.1
95°	22.9	28.8	34.7	37.9	38.3	38.8	39.3	39.8	39.3	38.8	38.3
97.5°	57.6	69.3	81.0	86.3	85.5	84.6	83.8	83.0	83.8	84.6	85.5
100°	120.1	119.5	118.9	118.3	117.9	117.3	116.9	116.5	116.9	117.3	117.9
102.5°	154.1	153.7	153.3	152.8	152.2	151.7	151.1	150.5	151.1	151.7	152.2
105°	207.8	207.8	207.8	207.5	206.9	206.3	205.6	205.0	205.6	206.3	206.9
107.5°	262.4	262.1	261.8	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6
110°	299.3	298.9	298.6	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	335.2	335.0	334.8	334.6	334.2	333.8	333.4	333.1	333.4	333.8	334.2
115°	388.8	388.7	388.5	388.1	387.3	386.5	385.8	385.0	385.8	386.5	387.3
117.5°	440.0	439.3	438.8	438.5	438.5	438.5	438.6	438.6	438.6	438.5	438.5
120°	472.6	472.1	471.6	471.4	471.6	471.8	472.0	472.1	472.0	471.8	471.6
122.5°	504.9	504.6	504.4	504.0	503.5	502.8	502.3	501.7	502.3	502.8	503.5
125°	552.3	552.3	552.3	551.8	550.7	549.6	548.5	547.4	548.5	549.6	550.7
127.5°	594.3	594.4	594.5	594.1	593.4	592.6	591.8	591.1	591.8	592.6	593.4
130°	621.7	621.6	621.4	621.0	620.2	619.4	618.7	617.9	618.7	619.4	620.2
132.5°	647.8	648.2	648.5	648.3	647.3	646.4	645.5	644.6	645.5	646.4	647.3
135°	686.1	686.4	686.7	686.4	685.5	684.6	683.7	682.7	683.7	684.6	685.5
137.5°	720.7	720.9	721.2	720.9	720.1	719.3	718.5	717.7	718.5	719.3	720.1
140°	741.6	741.7	741.9	741.8	741.5	741.2	740.9	740.6	740.9	741.2	741.5
142.5°	762.6	762.4	762.1	762.0	761.8	761.6	761.4	761.3	761.4	761.6	761.8
145°	792.9	792.9	792.9	792.7	792.5	792.1	791.8	791.5	791.8	792.1	792.5
147.5°	818.1	818.0	817.8	817.8	817.8	817.9	818.0	818.0	818.0	817.9	817.8
150°	834.1	833.8	833.5	833.5	833.8	834.1	834.5	834.7	834.5	834.1	833.8
152.5°	848.6	848.3	848.0	848.2	848.9	849.5	850.2	851.0	850.2	849.5	848.9
155°	868.3	868.0	867.6	868.0	868.9	869.9	870.8	871.7	870.8	869.9	868.9
157.5°	885.3	885.3	885.2	885.5	886.1	886.6	887.2	887.7	887.2	886.6	886.1
160°	895.1	894.9	894.8	895.2	896.1	897.1	898.0	898.9	898.0	897.1	896.1
162.5°	904.0	903.8	903.7	904.1	905.0	906.0	906.9	907.9	906.9	906.0	905.0
165°	916.1	915.9	915.7	916.1	917.0	917.9	918.9	919.8	918.9	917.9	917.0
167.5°	924.8	924.6	924.5	924.9	925.9	926.8	927.8	928.7	927.8	926.8	925.9
170°	929.3	929.1	929.0	929.4	930.5	931.6	932.6	933.8	932.6	931.6	930.5
172.5°	932.9	932.6	932.4	932.7	933.9	935.0	936.0	937.1	936.0	935.0	933.9
175°	936.9	936.7	936.7	937.0	938.0	938.9	939.8	940.8	939.8	938.9	938.0
177.5°	939.3	939.2	939.1	939.4	940.2	940.9	941.6	942.4	941.6	940.9	940.2
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-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°	13.2	14.4	14.1	14.8	15.0	16.2	15.9	17.9	19.1	20.2	19.8
90°	5.6	6.8	7.9	9.0	10.1	11.1	11.9	12.8	13.5	14.3	14.9
92.5°	7.3	7.3	8.3	9.3	10.2	11.1	11.9	12.8	13.5	14.3	14.7
95°	37.9	34.7	28.8	22.9	17.0	11.1	11.9	12.8	13.5	14.3	14.6
97.5°	86.3	81.0	69.3	57.6	45.9	34.3	30.0	25.6	21.2	16.9	14.6
100°	118.3	118.9	119.5	120.1	120.7	121.4	98.3	75.2	52.1	29.0	17.1
102.5°	152.8	153.3	153.7	154.1	154.4	154.8	150.4	146.1	141.7	137.3	129.9
105°	207.5	207.8	207.8	207.8	207.8	207.8	207.8	207.8	207.8	207.8	207.8
107.5°	261.6	261.8	262.1	262.4	262.7	263.1	263.1	263.1	263.1	263.1	263.0
110°	298.5	298.6	298.9	299.3	299.5	299.9	299.4	298.9	298.5	298.0	297.8



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	334.6	334.8	335.0	335.2	335.4	335.6	335.0	334.4	333.8	333.2	332.8
115°	388.1	388.5	388.7	388.8	389.0	389.1	388.5	387.9	387.3	386.6	385.8
117.5°	438.5	438.8	439.3	440.0	440.6	441.1	440.3	439.5	438.7	437.9	437.3
120°	471.4	471.6	472.1	472.6	473.1	473.5	473.2	472.9	472.6	472.3	471.7
122.5°	504.0	504.4	504.6	504.9	505.1	505.3	505.0	504.7	504.4	504.1	503.5
125°	551.8	552.3	552.3	552.3	552.3	552.3	551.7	551.1	550.5	549.8	549.3
127.5°	594.1	594.5	594.4	594.3	594.2	594.1	593.8	593.4	593.2	592.8	592.0
130°	621.0	621.4	621.6	621.7	621.9	622.1	621.6	621.1	620.6	620.2	619.6
132.5°	648.3	648.5	648.2	647.8	647.5	647.1	647.0	646.9	646.8	646.8	646.3
135°	686.4	686.7	686.4	686.1	685.8	685.5	685.2	684.9	684.6	684.3	683.7
137.5°	720.9	721.2	720.9	720.7	720.4	720.1	720.1	720.2	720.2	720.3	720.0
140°	741.8	741.9	741.7	741.6	741.5	741.3	741.6	741.9	742.3	742.5	742.3
142.5°	762.0	762.1	762.4	762.6	762.9	763.0	763.1	763.2	763.2	763.3	762.9
145°	792.7	792.9	792.9	792.9	792.9	792.9	793.1	793.2	793.4	793.5	793.1
147.5°	817.8	817.8	818.0	818.1	818.4	818.6	818.8	818.9	819.1	819.3	818.9
150°	833.5	833.5	833.8	834.1	834.5	834.7	835.1	835.4	835.7	836.0	835.5
152.5°	848.2	848.0	848.3	848.6	848.9	849.3	849.5	849.9	850.2	850.5	850.1
155°	868.0	867.6	868.0	868.3	868.6	868.9	869.3	869.9	870.3	870.8	870.4
157.5°	885.5	885.2	885.3	885.3	885.3	885.4	885.8	886.4	886.9	887.3	887.0
160°	895.2	894.8	894.9	895.1	895.3	895.4	896.0	896.6	897.2	897.9	897.6
162.5°	904.1	903.7	903.8	904.0	904.2	904.4	905.2	906.1	907.0	907.8	907.6
165°	916.1	915.7	915.9	916.1	916.1	916.3	917.3	918.2	919.1	920.1	919.9
167.5°	924.9	924.5	924.6	924.8	925.0	925.1	926.2	927.4	928.4	929.6	929.4
170°	929.4	929.0	929.1	929.3	929.4	929.6	930.9	932.0	933.3	934.5	934.4
172.5°	932.7	932.4	932.6	932.9	933.2	933.4	934.6	935.7	936.8	938.0	937.8
175°	937.0	936.7	936.7	936.9	937.1	937.3	938.5	939.7	940.9	942.2	942.1
177.5°	939.4	939.1	939.2	939.3	939.5	939.6	940.5	941.4	942.2	943.1	943.1
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-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°	20.9	20.5	20.6	21.7	20.6	20.5	20.9	19.8	20.2	19.1	17.9
90°	15.3	15.8	16.2	16.8	16.2	15.8	15.3	14.9	14.3	13.5	12.8
92.5°	15.0	15.2	15.4	15.6	15.4	15.2	15.0	14.7	14.3	13.5	12.8
95°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.3	13.5	12.8
97.5°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	16.9	21.2	25.6
100°	16.5	15.9	15.2	14.6	15.2	15.9	16.5	17.1	29.0	52.1	75.2
102.5°	119.3	108.8	98.3	87.7	98.3	108.8	119.3	129.9	137.3	141.7	146.1
105°	207.6	207.4	207.2	207.1	207.2	207.4	207.6	207.8	207.8	207.8	207.8
107.5°	262.5	262.0	261.5	261.1	261.5	262.0	262.5	263.0	263.1	263.1	263.1
110°	298.0	298.2	298.3	298.5	298.3	298.2	298.0	297.8	298.0	298.5	298.9



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	332.6	332.3	332.2	332.0	332.2	332.3	332.6	332.8	333.2	333.8	334.4
115°	385.0	384.0	383.1	382.2	383.1	384.0	385.0	385.8	386.6	387.3	387.9
117.5°	436.9	436.5	436.1	435.7	436.1	436.5	436.9	437.3	437.9	438.7	439.5
120°	470.9	470.2	469.4	468.6	469.4	470.2	470.9	471.7	472.3	472.6	472.9
122.5°	502.6	501.7	500.8	499.9	500.8	501.7	502.6	503.5	504.1	504.4	504.7
125°	548.8	548.3	547.9	547.4	547.9	548.3	548.8	549.3	549.8	550.5	551.1
127.5°	590.9	589.8	588.6	587.5	588.6	589.8	590.9	592.0	592.8	593.2	593.4
130°	618.8	618.0	617.2	616.4	617.2	618.0	618.8	619.6	620.2	620.6	621.1
132.5°	645.6	644.8	644.0	643.3	644.0	644.8	645.6	646.3	646.8	646.8	646.9
135°	682.7	681.8	680.8	679.9	680.8	681.8	682.7	683.7	684.3	684.6	684.9
137.5°	719.2	718.4	717.6	716.8	717.6	718.4	719.2	720.0	720.3	720.2	720.2
140°	741.3	740.4	739.4	738.5	739.4	740.4	741.3	742.3	742.5	742.3	741.9
142.5°	762.0	761.0	760.1	759.1	760.1	761.0	762.0	762.9	763.3	763.2	763.2
145°	792.2	791.3	790.3	789.4	790.3	791.3	792.2	793.1	793.5	793.4	793.2
147.5°	817.7	816.6	815.5	814.4	815.5	816.6	817.7	818.9	819.3	819.1	818.9
150°	834.3	833.0	831.8	830.5	831.8	833.0	834.3	835.5	836.0	835.7	835.4
152.5°	849.0	847.8	846.8	845.6	846.8	847.8	849.0	850.1	850.5	850.2	849.9
155°	869.2	867.9	866.7	865.4	866.7	867.9	869.2	870.4	870.8	870.3	869.9
157.5°	885.7	884.5	883.2	882.0	883.2	884.5	885.7	887.0	887.3	886.9	886.4
160°	896.3	895.1	893.9	892.6	893.9	895.1	896.3	897.6	897.9	897.2	896.6
162.5°	906.2	904.8	903.5	902.1	903.5	904.8	906.2	907.6	907.8	907.0	906.1
165°	918.6	917.4	916.1	914.9	916.1	917.4	918.6	919.9	920.1	919.1	918.2
167.5°	928.0	926.7	925.2	923.9	925.2	926.7	928.0	929.4	929.6	928.4	927.4
170°	933.1	931.7	930.2	928.9	930.2	931.7	933.1	934.4	934.5	933.3	932.0
172.5°	936.4	935.0	933.6	932.2	933.6	935.0	936.4	937.8	938.0	936.8	935.7
175°	940.8	939.3	938.0	936.6	938.0	939.3	940.8	942.1	942.2	940.9	939.7
177.5°	942.0	941.0	940.0	939.1	940.0	941.0	942.0	943.1	943.1	942.2	941.4
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-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°	15.9	16.2	15.0	14.8	14.1	14.4	13.2	12.4	11.7	11.9	13.1
90°	11.9	11.1	10.1	9.0	7.9	6.8	5.6	4.5	3.2	2.0	0.7
92.5°	11.9	11.1	10.2	9.3	8.3	7.3	7.3	8.1	9.0	9.9	10.7
95°	11.9	11.1	17.0	22.9	28.8	34.7	37.9	38.3	38.8	39.3	39.8
97.5°	30.0	34.3	45.9	57.6	69.3	81.0	86.3	85.5	84.6	83.8	83.0
100°	98.3	121.4	120.7	120.1	119.5	118.9	118.3	117.9	117.3	116.9	116.5
102.5°	150.4	154.8	154.4	154.1	153.7	153.3	152.8	152.2	151.7	151.1	150.5
105°	207.8	207.8	207.8	207.8	207.8	207.8	207.5	206.9	206.3	205.6	205.0
107.5°	263.1	263.1	262.7	262.4	262.1	261.8	261.6	261.6	261.6	261.6	261.6
110°	299.4	299.9	299.5	299.3	298.9	298.6	298.5	298.5	298.5	298.5	298.5



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	335.0	335.6	335.4	335.2	335.0	334.8	334.6	334.2	333.8	333.4	333.1
115°	388.5	389.1	389.0	388.8	388.7	388.5	388.1	387.3	386.5	385.8	385.0
117.5°	440.3	441.1	440.6	440.0	439.3	438.8	438.5	438.5	438.5	438.6	438.6
120°	473.2	473.5	473.1	472.6	472.1	471.6	471.4	471.6	471.8	472.0	472.1
122.5°	505.0	505.3	505.1	504.9	504.6	504.4	504.0	503.5	502.8	502.3	501.7
125°	551.7	552.3	552.3	552.3	552.3	552.3	551.8	550.7	549.6	548.5	547.4
127.5°	593.8	594.1	594.2	594.3	594.4	594.5	594.1	593.4	592.6	591.8	591.1
130°	621.6	622.1	621.9	621.7	621.6	621.4	621.0	620.2	619.4	618.7	617.9
132.5°	647.0	647.1	647.5	647.8	648.2	648.5	648.3	647.3	646.4	645.5	644.6
135°	685.2	685.5	685.8	686.1	686.4	686.7	686.4	685.5	684.6	683.7	682.7
137.5°	720.1	720.1	720.4	720.7	720.9	721.2	720.9	720.1	719.3	718.5	717.7
140°	741.6	741.3	741.5	741.6	741.7	741.9	741.8	741.5	741.2	740.9	740.6
142.5°	763.1	763.0	762.9	762.6	762.4	762.1	762.0	761.8	761.6	761.4	761.3
145°	793.1	792.9	792.9	792.9	792.9	792.9	792.7	792.5	792.1	791.8	791.5
147.5°	818.8	818.6	818.4	818.1	818.0	817.8	817.8	817.8	817.9	818.0	818.0
150°	835.1	834.7	834.5	834.1	833.8	833.5	833.5	833.8	834.1	834.5	834.7
152.5°	849.5	849.3	848.9	848.6	848.3	848.0	848.2	848.9	849.5	850.2	851.0
155°	869.3	868.9	868.6	868.3	868.0	867.6	868.0	868.9	869.9	870.8	871.7
157.5°	885.8	885.4	885.3	885.3	885.3	885.2	885.5	886.1	886.6	887.2	887.7
160°	896.0	895.4	895.3	895.1	894.9	894.8	895.2	896.1	897.1	898.0	898.9
162.5°	905.2	904.4	904.2	904.0	903.8	903.7	904.1	905.0	906.0	906.9	907.9
165°	917.3	916.3	916.1	916.1	915.9	915.7	916.1	917.0	917.9	918.9	919.8
167.5°	926.2	925.1	925.0	924.8	924.6	924.5	924.9	925.9	926.8	927.8	928.7
170°	930.9	929.6	929.4	929.3	929.1	929.0	929.4	930.5	931.6	932.6	933.8
172.5°	934.6	933.4	933.2	932.9	932.6	932.4	932.7	933.9	935.0	936.0	937.1
175°	938.5	937.3	937.1	936.9	936.7	936.7	937.0	938.0	938.9	939.8	940.8
177.5°	940.5	939.6	939.5	939.3	939.2	939.1	939.4	940.2	940.9	941.6	942.4
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-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	15.3	18.0	19.6	21.8	23.0	22.2	20.5	19.3	17.9
90°	2.0	3.2	4.5	5.6	6.8	7.9	9.0	10.1	11.1	11.9	12.8
92.5°	9.9	9.0	8.1	7.3	7.3	8.3	9.3	10.2	11.1	11.9	12.8
95°	39.3	38.8	38.3	37.9	34.7	28.8	22.9	17.0	11.1	11.9	12.8
97.5°	83.8	84.6	85.5	86.3	81.0	69.3	57.6	45.9	34.3	30.0	25.6
100°	116.9	117.3	117.9	118.3	118.9	119.5	120.1	120.7	121.4	98.3	75.2
102.5°	151.1	151.7	152.2	152.8	153.3	153.7	154.1	154.4	154.8	150.4	146.1
105°	205.6	206.3	206.9	207.5	207.8	207.8	207.8	207.8	207.8	207.8	207.8
107.5°	261.6	261.6	261.6	261.6	261.8	262.1	262.4	262.7	263.1	263.1	263.1
110°	298.5	298.5	298.5	298.5	298.6	298.9	299.3	299.5	299.9	299.4	298.9



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	333.4	333.8	334.2	334.6	334.8	335.0	335.2	335.4	335.6	335.0	334.4
115°	385.8	386.5	387.3	388.1	388.5	388.7	388.8	389.0	389.1	388.5	387.9
117.5°	438.6	438.5	438.5	438.5	438.8	439.3	440.0	440.6	441.1	440.3	439.5
120°	472.0	471.8	471.6	471.4	471.6	472.1	472.6	473.1	473.5	473.2	472.9
122.5°	502.3	502.8	503.5	504.0	504.4	504.6	504.9	505.1	505.3	505.0	504.7
125°	548.5	549.6	550.7	551.8	552.3	552.3	552.3	552.3	552.3	551.7	551.1
127.5°	591.8	592.6	593.4	594.1	594.5	594.4	594.3	594.2	594.1	593.8	593.4
130°	618.7	619.4	620.2	621.0	621.4	621.6	621.7	621.9	622.1	621.6	621.1
132.5°	645.5	646.4	647.3	648.3	648.5	648.2	647.8	647.5	647.1	647.0	646.9
135°	683.7	684.6	685.5	686.4	686.7	686.4	686.1	685.8	685.5	685.2	684.9
137.5°	718.5	719.3	720.1	720.9	721.2	720.9	720.7	720.4	720.1	720.1	720.2
140°	740.9	741.2	741.5	741.8	741.9	741.7	741.6	741.5	741.3	741.6	741.9
142.5°	761.4	761.6	761.8	762.0	762.1	762.4	762.6	762.9	763.0	763.1	763.2
145°	791.8	792.1	792.5	792.7	792.9	792.9	792.9	792.9	792.9	793.1	793.2
147.5°	818.0	817.9	817.8	817.8	817.8	818.0	818.1	818.4	818.6	818.8	818.9
150°	834.5	834.1	833.8	833.5	833.5	833.8	834.1	834.5	834.7	835.1	835.4
152.5°	850.2	849.5	848.9	848.2	848.0	848.3	848.6	848.9	849.3	849.5	849.9
155°	870.8	869.9	868.9	868.0	867.6	868.0	868.3	868.6	868.9	869.3	869.9
157.5°	887.2	886.6	886.1	885.5	885.2	885.3	885.3	885.3	885.4	885.8	886.4
160°	898.0	897.1	896.1	895.2	894.8	894.9	895.1	895.3	895.4	896.0	896.6
162.5°	906.9	906.0	905.0	904.1	903.7	903.8	904.0	904.2	904.4	905.2	906.1
165°	918.9	917.9	917.0	916.1	915.7	915.9	916.1	916.1	916.3	917.3	918.2
167.5°	927.8	926.8	925.9	924.9	924.5	924.6	924.8	925.0	925.1	926.2	927.4
170°	932.6	931.6	930.5	929.4	929.0	929.1	929.3	929.4	929.6	930.9	932.0
172.5°	936.0	935.0	933.9	932.7	932.4	932.6	932.9	933.2	933.4	934.6	935.7
175°	939.8	938.9	938.0	937.0	936.7	936.7	936.9	937.1	937.3	938.5	939.7
177.5°	941.6	940.9	940.2	939.4	939.1	939.2	939.3	939.5	939.6	940.5	941.4
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-UDD-A

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°	18.1	16.3	16.5	16.1	16.1	15.8	14.9
90°	13.5	14.3	14.9	15.3	15.8	16.2	16.8
92.5°	13.5	14.3	14.7	15.0	15.2	15.4	15.6
95°	13.5	14.3	14.6	14.6	14.6	14.6	14.6
97.5°	21.2	16.9	14.6	14.6	14.6	14.6	14.6
100°	52.1	29.0	17.1	16.5	15.9	15.2	14.6
102.5°	141.7	137.3	129.9	119.3	108.8	98.3	87.7
105°	207.8	207.8	207.8	207.6	207.4	207.2	207.1
107.5°	263.1	263.1	263.0	262.5	262.0	261.5	261.1
110°	298.5	298.0	297.8	298.0	298.2	298.3	298.5



TEST NUMBER: P333268-940

CATALOG NUMBER: S125DIP-S1090D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	333.8	333.2	332.8	332.6	332.3	332.2	332.0
115°	387.3	386.6	385.8	385.0	384.0	383.1	382.2
117.5°	438.7	437.9	437.3	436.9	436.5	436.1	435.7
120°	472.6	472.3	471.7	470.9	470.2	469.4	468.6
122.5°	504.4	504.1	503.5	502.6	501.7	500.8	499.9
125°	550.5	549.8	549.3	548.8	548.3	547.9	547.4
127.5°	593.2	592.8	592.0	590.9	589.8	588.6	587.5
130°	620.6	620.2	619.6	618.8	618.0	617.2	616.4
132.5°	646.8	646.8	646.3	645.6	644.8	644.0	643.3
135°	684.6	684.3	683.7	682.7	681.8	680.8	679.9
137.5°	720.2	720.3	720.0	719.2	718.4	717.6	716.8
140°	742.3	742.5	742.3	741.3	740.4	739.4	738.5
142.5°	763.2	763.3	762.9	762.0	761.0	760.1	759.1
145°	793.4	793.5	793.1	792.2	791.3	790.3	789.4
147.5°	819.1	819.3	818.9	817.7	816.6	815.5	814.4
150°	835.7	836.0	835.5	834.3	833.0	831.8	830.5
152.5°	850.2	850.5	850.1	849.0	847.8	846.8	845.6
155°	870.3	870.8	870.4	869.2	867.9	866.7	865.4
157.5°	886.9	887.3	887.0	885.7	884.5	883.2	882.0
160°	897.2	897.9	897.6	896.3	895.1	893.9	892.6
162.5°	907.0	907.8	907.6	906.2	904.8	903.5	902.1
165°	919.1	920.1	919.9	918.6	917.4	916.1	914.9
167.5°	928.4	929.6	929.4	928.0	926.7	925.2	923.9
170°	933.3	934.5	934.4	933.1	931.7	930.2	928.9
172.5°	936.8	938.0	937.8	936.4	935.0	933.6	932.2
175°	940.9	942.2	942.1	940.8	939.3	938.0	936.6
177.5°	942.2	943.1	943.1	942.0	941.0	940.0	939.1
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8

(END OF REPORT)