

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: P333314-930

Luminaire Tested: **S125DIP-S1270D810U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333314-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1270D810U930-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6513.0 lumens
Efficiency: N/A
Efficacy: 107.3 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: Semi-Direct

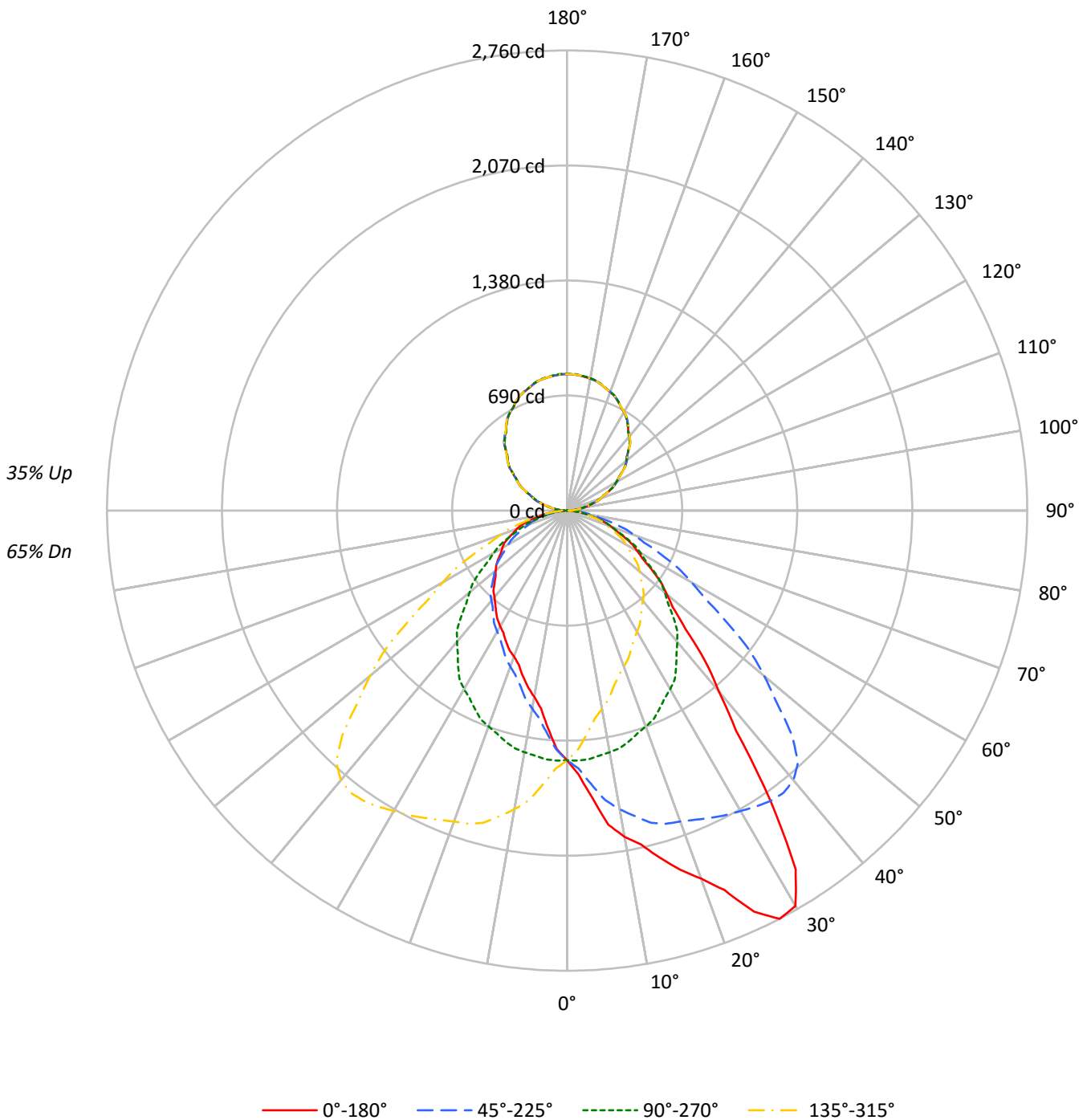
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	111	104	104	104	104	92	92	92	80	80	80	70	70	70	65
1	101	97	93	90	95	91	88	85	81	78	76	71	69	68	62	61	60	55
2	93	85	79	74	87	80	75	70	71	67	63	63	60	57	55	53	51	47
3	85	75	68	62	79	71	64	59	63	58	54	56	52	48	49	46	43	40
4	78	67	59	53	73	63	56	50	56	50	46	50	45	42	44	40	38	34
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	30
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	26
7	61	48	40	35	57	46	39	33	41	35	31	37	32	28	33	29	26	23
8	57	44	36	31	53	42	35	30	38	32	27	34	29	25	30	26	23	21
9	53	40	33	28	50	38	31	27	35	29	25	31	26	23	28	24	21	19
10	49	37	30	25	46	35	28	24	32	26	22	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9671	9671	9671	9671
5°	11199	9703	8496	9703
10°	13029	9653	7444	9653
15°	14422	9582	6867	9582
20°	16144	9470	6403	9470
25°	18912	9344	6178	9344
30°	20427	9219	5982	9219
35°	16796	8984	5852	8984
40°	11938	8658	5712	8658
45°	9171	8219	5630	8219
50°	7829	7675	5620	7675
55°	6971	7142	5668	7142
60°	6288	6559	5813	6559
65°	5809	5974	5963	5974
70°	5280	5365	6048	5365
75°	4664	4726	5996	4726
80°	3924	3853	5482	3853
85°	3105	2779	4431	2779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	2.2
10°-20°	429.2	6.6
20°-30°	696.9	10.7
30°-40°	850.1	13.1
40°-50°	773.3	11.9
50°-60°	616.0	9.5
60°-70°	429.0	6.6
70°-80°	228.8	3.5
80°-90°	59.5	0.9
90°-100°	54.9	0.8
100°-110°	162.0	2.5
110°-120°	274.4	4.2
120°-130°	361.2	5.5
130°-140°	404.7	6.2
140°-150°	396.7	6.1
150°-160°	333.1	5.1
160°-170°	221.5	3.4
170°-180°	77.5	1.2
0°-30°	1270.2	19.5
0°-40°	2120.3	32.6
0°-60°	3509.7	53.9
0°-90°	4227.0	64.9
90°-120°	491.4	7.5
90°-150°	1653.9	25.4
90°-180°	2286.0	35.1
0°-180°	6513.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1497	1497	1497	1497	1497	
5°	1727	1497	1310	1497	1727	174
15°	2157	1433	1027	1433	2157	617
25°	2654	1311	867	1311	2654	1212
35°	2130	1140	742	1140	2130	1304
45°	1004	900	616	900	1004	804
55°	619	634	503	634	619	558
65°	380	391	390	391	380	377
75°	187	189	240	189	187	201
85°	42	38	60	38	42	49
90°	15	1	15	1	15	10
95°	55	41	55	41	55	56
105°	158	145	158	145	158	168
115°	277	275	277	275	277	274
125°	404	401	404	401	404	360
135°	523	522	523	522	523	404
145°	634	632	634	632	634	396
155°	723	723	723	723	723	333
165°	784	786	784	786	784	221
175°	814	817	814	817	814	77
180°	819	819	819	819	819	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1583.8	1581.8	1579.7	1575.6	1578.7	1570.0	1565.9	1558.9	1550.2	1547.2	1543.6
5°	1727.4	1730.6	1733.7	1720.4	1721.7	1712.8	1692.5	1675.9	1662.6	1645.4	1633.4
7.5°	1900.3	1892.8	1892.1	1883.5	1868.7	1856.7	1835.3	1808.1	1781.8	1751.8	1727.0
10°	1986.7	1987.4	1981.7	1971.5	1955.6	1944.2	1916.2	1889.5	1857.1	1818.9	1791.6
12.5°	2051.8	2054.5	2047.2	2033.5	2025.7	2000.1	1978.2	1946.4	1907.9	1877.4	1835.8
15°	2157.0	2150.0	2145.0	2127.8	2114.5	2087.7	2052.8	2019.7	1977.8	1939.0	1900.3
17.5°	2258.5	2264.1	2254.5	2238.9	2197.5	2166.3	2119.5	2074.1	2021.9	1969.9	1923.7
20°	2349.0	2354.1	2339.4	2312.1	2262.5	2231.4	2169.8	2111.3	2050.9	1984.2	1933.3
22.5°	2461.9	2457.8	2438.1	2396.5	2353.5	2296.0	2229.3	2158.0	2082.4	2007.0	1939.4
25°	2654.0	2627.3	2615.2	2563.8	2507.2	2422.7	2331.2	2226.9	2132.9	2033.1	1946.7
27.5°	2760.5	2752.1	2738.7	2702.9	2643.4	2552.9	2445.1	2318.1	2185.4	2059.4	1946.3
30°	2739.2	2740.5	2741.8	2730.3	2692.2	2624.1	2516.7	2380.1	2222.5	2080.8	1949.9
32.5°	2550.1	2573.2	2595.3	2621.5	2632.2	2619.1	2551.8	2428.5	2266.2	2105.2	1947.8
35°	2130.4	2137.3	2209.1	2280.3	2376.9	2451.9	2502.2	2447.4	2310.8	2125.9	1945.4
37.5°	1661.1	1695.4	1745.1	1825.5	1965.0	2089.8	2250.3	2324.2	2280.1	2132.7	1941.0
40°	1416.0	1447.8	1480.2	1562.2	1679.8	1831.0	2013.4	2169.1	2205.3	2111.3	1925.7
42.5°	1226.9	1252.1	1288.0	1349.6	1447.9	1581.8	1756.2	1959.7	2084.8	2049.3	1893.7
45°	1004.1	1020.0	1048.0	1097.0	1168.2	1273.0	1426.8	1649.3	1843.1	1907.2	1817.6
47.5°	859.5	859.4	881.1	914.9	966.3	1055.4	1169.1	1343.5	1550.5	1703.6	1696.6
50°	779.2	776.0	793.1	822.4	863.1	922.2	1030.9	1170.0	1369.0	1542.5	1590.7
52.5°	710.0	710.4	721.0	742.6	776.7	827.1	908.3	1033.8	1203.7	1381.8	1472.8
55°	619.1	616.4	628.5	643.2	668.0	701.0	759.5	855.4	993.4	1168.7	1286.9
57.5°	535.7	542.7	547.5	557.7	578.2	600.3	649.6	720.1	829.5	980.0	1105.0
60°	486.8	493.8	497.7	507.8	524.3	543.4	581.6	638.7	730.9	860.5	984.5
62.5°	443.1	448.6	449.8	459.0	472.5	491.1	521.1	569.1	641.9	755.3	876.7
65°	380.1	380.1	382.6	392.2	398.5	415.0	437.9	472.9	531.3	619.6	723.3
67.5°	319.3	322.4	321.7	325.9	331.7	344.6	361.0	389.9	433.2	497.7	580.5
70°	279.6	282.2	281.5	284.7	291.1	299.4	312.7	340.0	371.1	426.5	497.7
72.5°	244.0	245.1	243.4	247.6	251.4	258.7	273.5	288.1	317.2	363.9	422.4
75°	186.9	188.1	189.4	191.9	195.8	199.6	207.2	221.8	240.8	275.8	313.3
77.5°	140.1	137.6	140.7	140.3	142.5	145.4	152.1	159.9	175.5	197.6	226.7
80°	105.5	106.2	106.2	106.8	110.0	111.9	117.6	123.3	135.3	151.9	172.3
82.5°	77.0	78.7	77.7	78.8	81.4	82.8	86.0	90.7	97.8	110.7	125.5
85°	41.9	38.8	40.0	41.3	41.3	41.9	44.5	46.4	50.2	55.3	61.0
87.5°	15.2	16.2	16.6	16.6	17.0	16.9	18.8	18.6	20.0	21.4	23.2
90°	15.3	14.8	14.4	14.0	13.6	13.0	12.3	11.6	10.9	10.2	9.2
92.5°	30.1	29.8	29.4	29.2	28.9	28.2	27.3	26.3	25.4	24.5	23.2
95°	54.8	54.5	54.3	54.0	53.7	53.1	52.1	51.0	50.1	49.1	47.7
97.5°	83.2	83.0	82.8	82.6	82.4	81.9	81.0	80.1	79.1	78.2	76.2
100°	104.5	104.3	104.0	103.7	103.5	102.6	101.3	100.1	98.8	97.5	95.7
102.5°	126.0	125.6	125.1	124.8	124.4	123.5	122.1	120.7	119.4	118.0	117.0
105°	158.1	157.7	157.3	156.9	156.4	155.8	154.9	154.1	153.2	152.4	151.5
107.5°	191.0	191.0	191.0	191.1	191.1	190.9	190.5	190.0	189.6	189.2	188.6
110°	215.5	215.6	215.7	215.9	216.1	215.9	215.5	215.1	214.7	214.2	213.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	239.5	239.7	239.9	240.2	240.5	240.5	240.3	240.1	239.9	239.7	239.2
115°	277.4	277.4	277.6	277.8	277.9	278.0	278.2	278.3	278.4	278.6	278.3
117.5°	314.3	314.9	315.4	316.0	316.6	316.8	316.7	316.6	316.4	316.3	316.1
120°	339.8	340.4	341.0	341.5	342.1	342.3	342.3	342.3	342.3	342.3	342.2
122.5°	365.3	365.7	366.2	366.6	367.1	367.4	367.5	367.6	367.7	367.9	367.5
125°	403.6	403.7	403.8	404.0	404.1	404.3	404.6	404.9	405.2	405.4	405.3
127.5°	440.3	440.6	440.8	441.2	441.4	441.6	441.7	441.9	442.1	442.2	442.1
130°	464.7	465.0	465.3	465.6	465.9	466.1	466.3	466.4	466.5	466.7	466.4
132.5°	487.7	488.1	488.5	488.9	489.3	489.6	489.7	489.8	490.0	490.2	490.2
135°	523.4	524.0	524.6	525.1	525.7	525.9	525.9	525.9	525.9	525.9	525.8
137.5°	558.3	559.1	559.8	560.4	561.2	561.4	561.3	561.1	560.9	560.8	560.4
140°	580.8	581.5	582.2	582.9	583.6	583.8	583.5	583.3	583.0	582.7	582.3
142.5°	602.2	602.9	603.6	604.3	605.0	605.3	605.1	605.0	604.8	604.6	604.1
145°	634.3	634.8	635.2	635.6	636.0	636.3	636.3	636.3	636.3	636.3	635.9
147.5°	661.8	662.8	663.7	664.6	665.6	665.9	665.6	665.2	664.9	664.6	664.2
150°	682.2	682.4	682.7	683.0	683.3	683.5	683.5	683.5	683.5	683.5	682.9
152.5°	699.0	699.5	700.0	700.5	701.0	701.1	700.7	700.4	700.1	699.8	699.5
155°	722.9	723.7	724.4	725.0	725.8	725.9	725.3	724.7	724.1	723.6	723.4
157.5°	743.0	743.9	744.9	745.8	746.7	746.9	746.3	745.8	745.2	744.6	744.4
160°	756.8	757.4	758.1	758.9	759.6	759.6	759.0	758.6	758.0	757.4	757.2
162.5°	768.5	769.3	770.1	770.9	771.8	771.8	771.2	770.5	769.8	769.2	769.1
165°	784.2	785.0	785.9	786.7	787.6	787.7	787.2	786.6	786.0	785.5	785.3
167.5°	796.6	797.5	798.4	799.3	800.1	800.2	799.3	798.5	797.6	796.8	796.8
170°	803.3	804.3	805.3	806.2	807.2	807.3	806.5	805.6	804.8	803.9	803.9
172.5°	808.9	809.8	810.7	811.5	812.4	812.4	811.5	810.7	809.8	809.0	809.0
175°	814.2	815.1	816.1	817.1	818.1	818.2	817.3	816.4	815.6	814.7	814.7
177.5°	817.2	818.0	818.8	819.5	820.4	820.4	819.7	819.0	818.4	817.7	817.8
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1540.6	1537.0	1532.9	1525.8	1517.2	1512.6	1505.5	1500.9	1491.8	1484.1	1476.0
5°	1618.7	1602.2	1587.0	1567.2	1545.6	1531.6	1515.2	1496.7	1477.6	1457.9	1436.3
7.5°	1699.7	1670.5	1638.7	1604.5	1571.1	1540.3	1510.9	1482.1	1455.1	1422.6	1395.1
10°	1754.1	1717.3	1677.8	1631.4	1586.3	1546.9	1506.8	1471.9	1436.3	1398.2	1364.5
12.5°	1808.5	1759.4	1703.7	1652.8	1598.6	1550.9	1503.8	1459.2	1414.5	1372.2	1333.0
15°	1846.9	1803.7	1752.2	1679.8	1618.7	1553.3	1491.0	1433.1	1379.2	1332.1	1282.5
17.5°	1872.2	1816.5	1761.2	1691.7	1611.8	1538.6	1467.9	1401.7	1340.8	1281.2	1233.5
20°	1876.7	1819.6	1761.7	1693.7	1611.8	1527.9	1457.3	1377.9	1312.4	1250.8	1192.3
22.5°	1875.3	1810.4	1747.5	1677.5	1597.5	1520.2	1434.9	1354.0	1282.9	1222.3	1161.2
25°	1860.8	1791.6	1712.8	1642.3	1563.4	1481.5	1395.1	1311.2	1238.7	1169.4	1109.1
27.5°	1848.9	1759.1	1669.8	1587.6	1511.5	1436.3	1353.6	1267.6	1187.3	1117.1	1060.2
30°	1834.2	1735.7	1635.2	1549.5	1471.3	1398.2	1320.1	1236.2	1152.3	1083.6	1022.6
32.5°	1821.0	1706.2	1600.2	1506.8	1424.0	1352.9	1280.8	1201.0	1118.7	1049.0	988.0
35°	1795.5	1662.6	1541.2	1435.7	1347.4	1274.2	1213.9	1139.5	1063.9	996.5	938.1
37.5°	1763.0	1605.4	1475.1	1364.5	1267.6	1190.7	1134.4	1077.3	1004.8	939.9	887.0
40°	1737.6	1564.7	1426.8	1313.7	1213.2	1133.2	1081.1	1027.0	966.7	906.3	850.4
42.5°	1705.5	1528.1	1378.0	1256.2	1156.8	1078.8	1024.1	978.2	925.0	868.7	816.8
45°	1646.7	1461.8	1299.0	1168.2	1067.7	990.8	934.3	899.9	859.9	806.5	762.6
47.5°	1560.2	1382.0	1213.7	1078.6	975.0	903.8	850.8	817.8	789.6	749.9	710.1
50°	1483.4	1322.6	1152.3	1018.1	914.5	842.7	793.8	763.9	739.8	709.2	675.6
52.5°	1397.4	1247.8	1091.8	959.2	856.6	785.8	737.8	711.6	691.5	669.6	636.4
55°	1260.9	1133.8	988.9	863.1	768.3	699.1	657.1	634.3	617.8	601.2	580.9
57.5°	1110.5	1011.1	882.8	767.8	680.5	617.5	578.4	556.1	543.2	534.8	522.8
60°	1004.8	919.7	809.0	704.2	619.1	563.1	525.0	507.8	497.0	490.0	481.1
62.5°	906.7	836.7	734.3	638.6	564.1	511.2	477.2	460.5	450.2	446.8	439.4
65°	762.0	708.0	623.5	544.0	480.5	435.4	406.8	390.9	384.5	380.7	381.3
67.5°	619.5	586.6	518.7	450.9	400.2	362.4	339.5	327.3	324.2	319.0	318.9
70°	532.6	507.8	450.6	391.5	346.3	317.2	296.8	284.1	280.9	278.3	277.8
72.5°	455.8	434.1	384.5	337.1	296.5	270.8	254.1	246.5	241.2	239.7	239.6
75°	342.6	330.5	291.1	253.6	225.6	207.8	196.4	189.4	185.6	184.9	185.6
77.5°	243.5	233.0	208.0	181.4	163.7	150.3	140.6	138.2	133.9	134.0	133.3
80°	183.0	176.0	160.1	139.2	124.6	113.2	108.0	103.6	102.3	100.4	102.3
82.5°	132.7	125.2	114.4	101.0	88.9	82.1	77.0	75.7	74.8	73.9	74.4
85°	65.5	66.1	59.8	49.6	44.5	40.7	37.5	37.5	36.9	36.2	36.9
87.5°	24.1	22.8	20.5	18.8	16.1	14.3	13.5	13.9	12.6	12.3	13.0
90°	8.2	7.3	6.2	5.1	4.1	2.9	1.8	0.7	1.8	2.9	4.1
92.5°	22.0	20.8	19.6	18.6	17.8	17.0	16.2	15.4	16.2	17.0	17.8
95°	46.2	44.8	43.5	42.6	42.3	42.0	41.7	41.4	41.7	42.0	42.3
97.5°	74.3	72.3	70.4	69.3	69.2	69.1	69.0	68.9	69.0	69.1	69.2
100°	93.8	92.0	90.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
102.5°	116.1	115.1	114.2	113.5	112.9	112.3	111.8	111.2	111.8	112.3	112.9
105°	150.7	149.9	149.0	148.2	147.5	146.8	146.1	145.4	146.1	146.8	147.5
107.5°	187.9	187.3	186.6	186.0	185.2	184.5	183.8	183.1	183.8	184.5	185.2
110°	213.4	213.0	212.5	212.0	211.2	210.5	209.9	209.1	209.9	210.5	211.2



TEST NUMBER: P333314-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	238.6	238.1	237.6	237.1	236.8	236.4	236.0	235.6	236.0	236.4	236.8
115°	278.0	277.8	277.4	277.0	276.5	275.9	275.3	274.8	275.3	275.9	276.5
117.5°	315.8	315.6	315.4	315.0	314.8	314.5	314.3	314.1	314.3	314.5	314.8
120°	342.1	341.9	341.8	341.4	340.6	340.0	339.2	338.5	339.2	340.0	340.6
122.5°	367.1	366.7	366.4	366.1	365.8	365.6	365.3	365.0	365.3	365.6	365.8
125°	405.2	405.0	404.9	404.4	403.6	402.7	401.9	401.0	401.9	402.7	403.6
127.5°	441.8	441.6	441.5	441.2	440.7	440.2	439.8	439.3	439.8	440.2	440.7
130°	466.1	465.8	465.5	465.0	464.3	463.7	462.9	462.2	462.9	463.7	464.3
132.5°	490.2	490.3	490.3	489.8	488.6	487.5	486.3	485.2	486.3	487.5	488.6
135°	525.7	525.5	525.4	524.9	524.1	523.2	522.4	521.5	522.4	523.2	524.1
137.5°	560.1	559.9	559.5	559.0	558.2	557.3	556.5	555.7	556.5	557.3	558.2
140°	581.9	581.4	581.0	580.4	579.8	579.0	578.3	577.6	578.3	579.0	579.8
142.5°	603.6	603.0	602.5	601.9	601.3	600.7	600.1	599.6	600.1	600.7	601.3
145°	635.4	635.0	634.5	634.1	633.5	632.9	632.3	631.8	632.3	632.9	633.5
147.5°	663.9	663.6	663.2	662.8	662.6	662.3	661.9	661.6	661.9	662.3	662.6
150°	682.3	681.8	681.2	680.9	681.1	681.3	681.3	681.5	681.3	681.3	681.1
152.5°	699.3	699.0	698.9	698.6	698.5	698.2	698.1	697.8	698.1	698.2	698.5
155°	723.3	723.2	723.0	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9
157.5°	744.4	744.2	744.0	744.1	744.4	744.8	745.1	745.4	745.1	744.8	744.4
160°	757.1	756.9	756.8	756.9	757.4	757.8	758.2	758.6	758.2	757.8	757.4
162.5°	769.1	769.0	769.0	769.2	769.5	769.7	770.1	770.4	770.1	769.7	769.5
165°	785.1	785.0	784.9	785.0	785.2	785.5	785.8	786.1	785.8	785.5	785.2
167.5°	796.8	796.8	796.8	797.0	797.6	798.2	798.7	799.3	798.7	798.2	797.6
170°	803.9	803.9	803.9	804.2	804.8	805.4	805.9	806.5	805.9	805.4	804.8
172.5°	809.0	809.0	809.0	809.3	809.8	810.4	811.0	811.5	811.0	810.4	809.8
175°	814.7	814.7	814.7	815.1	815.6	816.2	816.8	817.3	816.8	816.2	815.6
177.5°	817.9	818.1	818.2	818.4	818.9	819.4	819.8	820.3	819.8	819.4	818.9
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333314-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1471.4	1465.8	1461.3	1451.1	1445.4	1437.9	1431.7	1438.4	1431.3	1434.3	1429.7
5°	1425.6	1407.7	1395.1	1376.6	1360.7	1346.1	1335.3	1333.3	1328.3	1325.8	1318.1
7.5°	1370.4	1348.1	1326.2	1302.1	1281.7	1261.0	1247.8	1236.9	1229.6	1220.1	1213.7
10°	1337.8	1308.0	1282.5	1253.3	1227.8	1205.7	1187.8	1178.9	1170.7	1158.6	1154.1
12.5°	1297.6	1266.7	1235.7	1204.5	1180.1	1155.3	1140.0	1126.6	1120.9	1107.3	1105.9
15°	1249.4	1203.1	1172.6	1140.8	1107.1	1086.8	1074.1	1059.5	1053.1	1043.6	1036.6
17.5°	1192.0	1150.6	1112.5	1079.5	1050.7	1033.6	1017.7	1007.7	996.8	990.6	979.1
20°	1150.3	1110.9	1072.8	1037.9	1015.6	995.9	983.2	973.6	962.2	959.0	947.6
22.5°	1115.2	1071.8	1035.2	1005.8	981.5	959.3	945.6	939.1	931.2	921.5	919.1
25°	1058.2	1013.1	981.9	952.7	931.1	910.8	901.2	892.9	885.3	878.3	875.8
27.5°	1008.9	968.6	931.6	905.1	886.3	867.8	859.4	849.4	843.8	838.1	831.3
30°	974.3	932.9	900.6	875.1	854.8	838.3	829.4	822.4	817.3	812.2	808.5
32.5°	938.7	900.4	869.0	844.2	823.8	811.3	803.5	798.5	792.9	786.8	782.0
35°	891.7	849.7	819.2	797.6	781.7	772.2	763.3	758.8	752.5	752.5	747.4
37.5°	838.7	802.4	775.5	755.8	741.5	733.0	723.4	720.3	716.2	713.5	711.8
40°	807.1	773.5	748.0	728.3	713.1	706.0	698.5	693.4	690.8	687.6	686.4
42.5°	774.6	742.4	718.0	699.9	686.6	680.7	673.5	670.0	664.9	660.7	660.0
45°	725.1	694.0	671.8	657.1	645.7	638.7	634.3	626.6	624.1	619.1	618.4
47.5°	678.2	648.4	626.6	614.6	604.5	598.8	591.8	584.2	581.3	578.7	578.5
50°	643.2	615.9	595.5	584.1	574.5	566.3	559.3	554.2	552.3	552.3	553.6
52.5°	607.6	584.3	567.0	553.0	544.0	535.2	528.8	525.7	522.8	525.9	528.2
55°	555.5	532.0	519.3	505.9	497.0	486.8	483.6	482.4	480.5	485.6	488.1
57.5°	500.3	483.8	468.9	455.7	447.7	441.8	437.5	436.8	440.3	442.7	450.9
60°	465.2	446.1	432.8	422.7	413.1	409.3	408.1	406.8	409.3	416.3	427.1
62.5°	426.6	411.1	396.7	389.1	382.0	375.8	375.4	376.3	381.3	389.3	400.1
65°	369.9	356.5	347.0	338.1	332.4	328.6	329.9	332.4	338.1	348.9	361.0
67.5°	312.3	303.1	294.6	287.4	281.9	281.9	283.2	287.0	293.8	306.2	317.2
70°	275.2	265.1	258.0	254.9	250.4	247.9	251.7	258.0	263.7	275.2	284.7
72.5°	238.1	229.4	224.0	221.8	219.9	217.8	219.2	226.0	233.7	245.2	256.2
75°	183.0	179.9	176.0	173.5	171.6	172.8	174.1	180.5	186.9	198.9	211.7
77.5°	133.6	130.3	128.0	127.3	126.4	126.9	130.5	135.3	141.5	150.3	159.9
80°	101.0	99.8	98.5	97.8	97.8	98.5	103.6	106.8	112.5	120.7	128.4
82.5°	73.6	72.8	72.6	72.5	73.0	73.1	76.1	80.3	85.0	91.2	97.8
85°	38.8	37.5	39.4	40.0	38.8	40.7	41.9	44.5	46.4	49.6	52.7
87.5°	13.8	15.0	14.7	15.4	15.6	16.8	16.4	18.6	19.7	20.9	20.5
90°	5.1	6.2	7.3	8.2	9.2	10.2	10.9	11.6	12.3	13.0	13.6
92.5°	18.6	19.6	20.8	22.0	23.2	24.5	25.4	26.3	27.3	28.2	28.9
95°	42.6	43.5	44.8	46.2	47.7	49.1	50.1	51.0	52.1	53.1	53.7
97.5°	69.3	70.4	72.3	74.3	76.2	78.2	79.1	80.1	81.0	81.9	82.4
100°	89.3	90.2	92.0	93.8	95.7	97.5	98.8	100.1	101.3	102.6	103.5
102.5°	113.5	114.2	115.1	116.1	117.0	118.0	119.4	120.7	122.1	123.5	124.4
105°	148.2	149.0	149.9	150.7	151.5	152.4	153.2	154.1	154.9	155.8	156.4
107.5°	186.0	186.6	187.3	187.9	188.6	189.2	189.6	190.0	190.5	190.9	191.1
110°	212.0	212.5	213.0	213.4	213.8	214.2	214.7	215.1	215.5	215.9	216.1



TEST NUMBER: P333314-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	237.1	237.6	238.1	238.6	239.2	239.7	239.9	240.1	240.3	240.5	240.5
115°	277.0	277.4	277.8	278.0	278.3	278.6	278.4	278.3	278.2	278.0	277.9
117.5°	315.0	315.4	315.6	315.8	316.1	316.3	316.4	316.6	316.7	316.8	316.6
120°	341.4	341.8	341.9	342.1	342.2	342.3	342.3	342.3	342.3	342.3	342.1
122.5°	366.1	366.4	366.7	367.1	367.5	367.9	367.7	367.6	367.5	367.4	367.1
125°	404.4	404.9	405.0	405.2	405.3	405.4	405.2	404.9	404.6	404.3	404.1
127.5°	441.2	441.5	441.6	441.8	442.1	442.2	442.1	441.9	441.7	441.6	441.4
130°	465.0	465.5	465.8	466.1	466.4	466.7	466.5	466.4	466.3	466.1	465.9
132.5°	489.8	490.3	490.3	490.2	490.2	490.2	490.0	489.8	489.7	489.6	489.3
135°	524.9	525.4	525.5	525.7	525.8	525.9	525.9	525.9	525.9	525.9	525.7
137.5°	559.0	559.5	559.9	560.1	560.4	560.8	560.9	561.1	561.3	561.4	561.2
140°	580.4	581.0	581.4	581.9	582.3	582.7	583.0	583.3	583.5	583.8	583.6
142.5°	601.9	602.5	603.0	603.6	604.1	604.6	604.8	605.0	605.1	605.3	605.0
145°	634.1	634.5	635.0	635.4	635.9	636.3	636.3	636.3	636.3	636.3	636.0
147.5°	662.8	663.2	663.6	663.9	664.2	664.6	664.9	665.2	665.6	665.9	665.6
150°	680.9	681.2	681.8	682.3	682.9	683.5	683.5	683.5	683.5	683.5	683.3
152.5°	698.6	698.9	699.0	699.3	699.5	699.8	700.1	700.4	700.7	701.1	701.0
155°	722.9	723.0	723.2	723.3	723.4	723.6	724.1	724.7	725.3	725.9	725.8
157.5°	744.1	744.0	744.2	744.4	744.4	744.6	745.2	745.8	746.3	746.9	746.7
160°	756.9	756.8	756.9	757.1	757.2	757.4	758.0	758.6	759.0	759.6	759.6
162.5°	769.2	769.0	769.0	769.1	769.1	769.2	769.8	770.5	771.2	771.8	771.8
165°	785.0	784.9	785.0	785.1	785.3	785.5	786.0	786.6	787.2	787.7	787.6
167.5°	797.0	796.8	796.8	796.8	796.8	796.8	797.6	798.5	799.3	800.2	800.1
170°	804.2	803.9	803.9	803.9	803.9	803.9	804.8	805.6	806.5	807.3	807.2
172.5°	809.3	809.0	809.0	809.0	809.0	809.0	809.8	810.7	811.5	812.4	812.4
175°	815.1	814.7	814.7	814.7	814.7	814.7	815.6	816.4	817.3	818.2	818.1
177.5°	818.4	818.2	818.1	817.9	817.8	817.7	818.4	819.0	819.7	820.4	820.4
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333314-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1426.7	1430.2	1427.2	1431.3	1427.2	1430.2	1426.7	1429.7	1434.3	1431.3	1438.4
5°	1314.9	1309.2	1313.0	1310.5	1313.0	1309.2	1314.9	1318.1	1325.8	1328.3	1333.3
7.5°	1211.7	1206.2	1200.0	1197.1	1200.0	1206.2	1211.7	1213.7	1220.1	1229.6	1236.9
10°	1147.1	1140.2	1139.5	1135.1	1139.5	1140.2	1147.1	1154.1	1158.6	1170.7	1178.9
12.5°	1099.8	1093.4	1086.1	1084.3	1086.1	1093.4	1099.8	1105.9	1107.3	1120.9	1126.6
15°	1032.7	1027.7	1023.2	1027.0	1023.2	1027.7	1032.7	1036.6	1043.6	1053.1	1059.5
17.5°	977.0	972.7	972.0	967.3	972.0	972.7	977.0	979.1	990.6	996.8	1007.7
20°	941.9	938.7	940.0	931.7	940.0	938.7	941.9	947.6	959.0	962.2	973.6
22.5°	914.0	907.7	906.9	905.3	906.9	907.7	914.0	919.1	921.5	931.2	939.1
25°	870.1	866.9	863.7	866.9	863.7	866.9	870.1	875.8	878.3	885.3	892.9
27.5°	831.8	828.0	827.1	827.4	827.1	828.0	831.8	831.3	838.1	843.8	849.4
30°	808.5	802.1	802.7	802.1	802.7	802.1	808.5	808.5	812.2	817.3	822.4
32.5°	783.0	778.7	777.8	776.7	777.8	778.7	783.0	782.0	786.8	792.9	798.5
35°	745.5	745.5	742.3	742.3	742.3	745.5	745.5	747.4	752.5	752.5	758.8
37.5°	710.3	709.6	707.8	708.0	707.8	709.6	710.3	711.8	713.5	716.2	720.3
40°	683.9	683.2	681.3	677.5	681.3	683.2	683.9	686.4	687.6	690.8	693.4
42.5°	658.4	656.2	655.3	654.1	655.3	656.2	658.4	660.0	660.7	664.9	670.0
45°	618.4	618.4	617.1	616.4	617.1	618.4	618.4	618.4	619.1	624.1	626.6
47.5°	579.5	580.7	583.0	582.7	583.0	580.7	579.5	578.5	578.7	581.3	584.2
50°	556.1	556.8	558.6	559.3	558.6	556.8	556.1	553.6	552.3	552.3	554.2
52.5°	530.2	533.9	536.3	535.9	536.3	533.9	530.2	528.2	525.9	522.8	525.7
55°	493.8	498.2	502.7	503.4	502.7	498.2	493.8	488.1	485.6	480.5	482.4
57.5°	457.9	464.1	468.8	470.3	468.8	464.1	457.9	450.9	442.7	440.3	436.8
60°	433.4	441.7	447.4	450.0	447.4	441.7	433.4	427.1	416.3	409.3	406.8
62.5°	410.0	419.3	425.0	425.6	425.0	419.3	410.0	400.1	389.3	381.3	376.3
65°	371.8	381.3	386.4	390.2	386.4	381.3	371.8	361.0	348.9	338.1	332.4
67.5°	330.6	340.1	345.8	348.8	345.8	340.1	330.6	317.2	306.2	293.8	287.0
70°	300.6	310.1	317.8	320.3	317.8	310.1	300.6	284.7	275.2	263.7	258.0
72.5°	271.1	279.6	285.8	288.8	285.8	279.6	271.1	256.2	245.2	233.7	226.0
75°	219.9	231.3	237.1	240.3	237.1	231.3	219.9	211.7	198.9	186.9	180.5
77.5°	169.6	180.0	183.4	185.1	183.4	180.0	169.6	159.9	150.3	141.5	135.3
80°	136.0	142.4	146.8	147.4	146.8	142.4	136.0	128.4	120.7	112.5	106.8
82.5°	104.5	109.8	111.2	112.8	111.2	109.8	104.5	97.8	91.2	85.0	80.3
85°	57.2	59.8	60.4	59.8	60.4	59.8	57.2	52.7	49.6	46.4	44.5
87.5°	21.6	21.2	21.3	22.4	21.3	21.2	21.6	20.5	20.9	19.7	18.6
90°	14.0	14.4	14.8	15.3	14.8	14.4	14.0	13.6	13.0	12.3	11.6
92.5°	29.2	29.4	29.8	30.1	29.8	29.4	29.2	28.9	28.2	27.3	26.3
95°	54.0	54.3	54.5	54.8	54.5	54.3	54.0	53.7	53.1	52.1	51.0
97.5°	82.6	82.8	83.0	83.2	83.0	82.8	82.6	82.4	81.9	81.0	80.1
100°	103.7	104.0	104.3	104.5	104.3	104.0	103.7	103.5	102.6	101.3	100.1
102.5°	124.8	125.1	125.6	126.0	125.6	125.1	124.8	124.4	123.5	122.1	120.7
105°	156.9	157.3	157.7	158.1	157.7	157.3	156.9	156.4	155.8	154.9	154.1
107.5°	191.1	191.0	191.0	191.0	191.0	191.0	191.1	191.1	190.9	190.5	190.0
110°	215.9	215.7	215.6	215.5	215.6	215.7	215.9	216.1	215.9	215.5	215.1



TEST NUMBER: P333314-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	240.2	239.9	239.7	239.5	239.7	239.9	240.2	240.5	240.5	240.3	240.1
115°	277.8	277.6	277.4	277.4	277.4	277.6	277.8	277.9	278.0	278.2	278.3
117.5°	316.0	315.4	314.9	314.3	314.9	315.4	316.0	316.6	316.8	316.7	316.6
120°	341.5	341.0	340.4	339.8	340.4	341.0	341.5	342.1	342.3	342.3	342.3
122.5°	366.6	366.2	365.7	365.3	365.7	366.2	366.6	367.1	367.4	367.5	367.6
125°	404.0	403.8	403.7	403.6	403.7	403.8	404.0	404.1	404.3	404.6	404.9
127.5°	441.2	440.8	440.6	440.3	440.6	440.8	441.2	441.4	441.6	441.7	441.9
130°	465.6	465.3	465.0	464.7	465.0	465.3	465.6	465.9	466.1	466.3	466.4
132.5°	488.9	488.5	488.1	487.7	488.1	488.5	488.9	489.3	489.6	489.7	489.8
135°	525.1	524.6	524.0	523.4	524.0	524.6	525.1	525.7	525.9	525.9	525.9
137.5°	560.4	559.8	559.1	558.3	559.1	559.8	560.4	561.2	561.4	561.3	561.1
140°	582.9	582.2	581.5	580.8	581.5	582.2	582.9	583.6	583.8	583.5	583.3
142.5°	604.3	603.6	602.9	602.2	602.9	603.6	604.3	605.0	605.3	605.1	605.0
145°	635.6	635.2	634.8	634.3	634.8	635.2	635.6	636.0	636.3	636.3	636.3
147.5°	664.6	663.7	662.8	661.8	662.8	663.7	664.6	665.6	665.9	665.6	665.2
150°	683.0	682.7	682.4	682.2	682.4	682.7	683.0	683.3	683.5	683.5	683.5
152.5°	700.5	700.0	699.5	699.0	699.5	700.0	700.5	701.0	701.1	700.7	700.4
155°	725.0	724.4	723.7	722.9	723.7	724.4	725.0	725.8	725.9	725.3	724.7
157.5°	745.8	744.9	743.9	743.0	743.9	744.9	745.8	746.7	746.9	746.3	745.8
160°	758.9	758.1	757.4	756.8	757.4	758.1	758.9	759.6	759.6	759.0	758.6
162.5°	770.9	770.1	769.3	768.5	769.3	770.1	770.9	771.8	771.8	771.2	770.5
165°	786.7	785.9	785.0	784.2	785.0	785.9	786.7	787.6	787.7	787.2	786.6
167.5°	799.3	798.4	797.5	796.6	797.5	798.4	799.3	800.1	800.2	799.3	798.5
170°	806.2	805.3	804.3	803.3	804.3	805.3	806.2	807.2	807.3	806.5	805.6
172.5°	811.5	810.7	809.8	808.9	809.8	810.7	811.5	812.4	812.4	811.5	810.7
175°	817.1	816.1	815.1	814.2	815.1	816.1	817.1	818.1	818.2	817.3	816.4
177.5°	819.5	818.8	818.0	817.2	818.0	818.8	819.5	820.4	820.4	819.7	819.0
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333314-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1431.7	1437.9	1445.4	1451.1	1461.3	1465.8	1471.4	1476.0	1484.1	1491.8	1500.9
5°	1335.3	1346.1	1360.7	1376.6	1395.1	1407.7	1425.6	1436.3	1457.9	1477.6	1496.7
7.5°	1247.8	1261.0	1281.7	1302.1	1326.2	1348.1	1370.4	1395.1	1422.6	1455.1	1482.1
10°	1187.8	1205.7	1227.8	1253.3	1282.5	1308.0	1337.8	1364.5	1398.2	1436.3	1471.9
12.5°	1140.0	1155.3	1180.1	1204.5	1235.7	1266.7	1297.6	1333.0	1372.2	1414.5	1459.2
15°	1074.1	1086.8	1107.1	1140.8	1172.6	1203.1	1249.4	1282.5	1332.1	1379.2	1433.1
17.5°	1017.7	1033.6	1050.7	1079.5	1112.5	1150.6	1192.0	1233.5	1281.2	1340.8	1401.7
20°	983.2	995.9	1015.6	1037.9	1072.8	1110.9	1150.3	1192.3	1250.8	1312.4	1377.9
22.5°	945.6	959.3	981.5	1005.8	1035.2	1071.8	1115.2	1161.2	1222.3	1282.9	1354.0
25°	901.2	910.8	931.1	952.7	981.9	1013.1	1058.2	1109.1	1169.4	1238.7	1311.2
27.5°	859.4	867.8	886.3	905.1	931.6	968.6	1008.9	1060.2	1117.1	1187.3	1267.6
30°	829.4	838.3	854.8	875.1	900.6	932.9	974.3	1022.6	1083.6	1152.3	1236.2
32.5°	803.5	811.3	823.8	844.2	869.0	900.4	938.7	988.0	1049.0	1118.7	1201.0
35°	763.3	772.2	781.7	797.6	819.2	849.7	891.7	938.1	996.5	1063.9	1139.5
37.5°	723.4	733.0	741.5	755.8	775.5	802.4	838.7	887.0	939.9	1004.8	1077.3
40°	698.5	706.0	713.1	728.3	748.0	773.5	807.1	850.4	906.3	966.7	1027.0
42.5°	673.5	680.7	686.6	699.9	718.0	742.4	774.6	816.8	868.7	925.0	978.2
45°	634.3	638.7	645.7	657.1	671.8	694.0	725.1	762.6	806.5	859.9	899.9
47.5°	591.8	598.8	604.5	614.6	626.6	648.4	678.2	710.1	749.9	789.6	817.8
50°	559.3	566.3	574.5	584.1	595.5	615.9	643.2	675.6	709.2	739.8	763.9
52.5°	528.8	535.2	544.0	553.0	567.0	584.3	607.6	636.4	669.6	691.5	711.6
55°	483.6	486.8	497.0	505.9	519.3	532.0	555.5	580.9	601.2	617.8	634.3
57.5°	437.5	441.8	447.7	455.7	468.9	483.8	500.3	522.8	534.8	543.2	556.1
60°	408.1	409.3	413.1	422.7	432.8	446.1	465.2	481.1	490.0	497.0	507.8
62.5°	375.4	375.8	382.0	389.1	396.7	411.1	426.6	439.4	446.8	450.2	460.5
65°	329.9	328.6	332.4	338.1	347.0	356.5	369.9	381.3	380.7	384.5	390.9
67.5°	283.2	281.9	281.9	287.4	294.6	303.1	312.3	318.9	319.0	324.2	327.3
70°	251.7	247.9	250.4	254.9	258.0	265.1	275.2	277.8	278.3	280.9	284.1
72.5°	219.2	217.8	219.9	221.8	224.0	229.4	238.1	239.6	239.7	241.2	246.5
75°	174.1	172.8	171.6	173.5	176.0	179.9	183.0	185.6	184.9	185.6	189.4
77.5°	130.5	126.9	126.4	127.3	128.0	130.3	133.6	133.3	134.0	133.9	138.2
80°	103.6	98.5	97.8	97.8	98.5	99.8	101.0	102.3	100.4	102.3	103.6
82.5°	76.1	73.1	73.0	72.5	72.6	72.8	73.6	74.4	73.9	74.8	75.7
85°	41.9	40.7	38.8	40.0	39.4	37.5	38.8	36.9	36.2	36.9	37.5
87.5°	16.4	16.8	15.6	15.4	14.7	15.0	13.8	13.0	12.3	12.6	13.9
90°	10.9	10.2	9.2	8.2	7.3	6.2	5.1	4.1	2.9	1.8	0.7
92.5°	25.4	24.5	23.2	22.0	20.8	19.6	18.6	17.8	17.0	16.2	15.4
95°	50.1	49.1	47.7	46.2	44.8	43.5	42.6	42.3	42.0	41.7	41.4
97.5°	79.1	78.2	76.2	74.3	72.3	70.4	69.3	69.2	69.1	69.0	68.9
100°	98.8	97.5	95.7	93.8	92.0	90.2	89.3	89.3	89.3	89.3	89.3
102.5°	119.4	118.0	117.0	116.1	115.1	114.2	113.5	112.9	112.3	111.8	111.2
105°	153.2	152.4	151.5	150.7	149.9	149.0	148.2	147.5	146.8	146.1	145.4
107.5°	189.6	189.2	188.6	187.9	187.3	186.6	186.0	185.2	184.5	183.8	183.1
110°	214.7	214.2	213.8	213.4	213.0	212.5	212.0	211.2	210.5	209.9	209.1



TEST NUMBER: P333314-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	239.9	239.7	239.2	238.6	238.1	237.6	237.1	236.8	236.4	236.0	235.6
115°	278.4	278.6	278.3	278.0	277.8	277.4	277.0	276.5	275.9	275.3	274.8
117.5°	316.4	316.3	316.1	315.8	315.6	315.4	315.0	314.8	314.5	314.3	314.1
120°	342.3	342.3	342.2	342.1	341.9	341.8	341.4	340.6	340.0	339.2	338.5
122.5°	367.7	367.9	367.5	367.1	366.7	366.4	366.1	365.8	365.6	365.3	365.0
125°	405.2	405.4	405.3	405.2	405.0	404.9	404.4	403.6	402.7	401.9	401.0
127.5°	442.1	442.2	442.1	441.8	441.6	441.5	441.2	440.7	440.2	439.8	439.3
130°	466.5	466.7	466.4	466.1	465.8	465.5	465.0	464.3	463.7	462.9	462.2
132.5°	490.0	490.2	490.2	490.2	490.3	490.3	489.8	488.6	487.5	486.3	485.2
135°	525.9	525.9	525.8	525.7	525.5	525.4	524.9	524.1	523.2	522.4	521.5
137.5°	560.9	560.8	560.4	560.1	559.9	559.5	559.0	558.2	557.3	556.5	555.7
140°	583.0	582.7	582.3	581.9	581.4	581.0	580.4	579.8	579.0	578.3	577.6
142.5°	604.8	604.6	604.1	603.6	603.0	602.5	601.9	601.3	600.7	600.1	599.6
145°	636.3	636.3	635.9	635.4	635.0	634.5	634.1	633.5	632.9	632.3	631.8
147.5°	664.9	664.6	664.2	663.9	663.6	663.2	662.8	662.6	662.3	661.9	661.6
150°	683.5	683.5	682.9	682.3	681.8	681.2	680.9	681.1	681.3	681.3	681.5
152.5°	700.1	699.8	699.5	699.3	699.0	698.9	698.6	698.5	698.2	698.1	697.8
155°	724.1	723.6	723.4	723.3	723.2	723.0	722.9	722.9	722.9	722.9	722.9
157.5°	745.2	744.6	744.4	744.4	744.2	744.0	744.1	744.4	744.8	745.1	745.4
160°	758.0	757.4	757.2	757.1	756.9	756.8	756.9	757.4	757.8	758.2	758.6
162.5°	769.8	769.2	769.1	769.1	769.0	769.0	769.2	769.5	769.7	770.1	770.4
165°	786.0	785.5	785.3	785.1	785.0	784.9	785.0	785.2	785.5	785.8	786.1
167.5°	797.6	796.8	796.8	796.8	796.8	796.8	797.0	797.6	798.2	798.7	799.3
170°	804.8	803.9	803.9	803.9	803.9	803.9	804.2	804.8	805.4	805.9	806.5
172.5°	809.8	809.0	809.0	809.0	809.0	809.0	809.3	809.8	810.4	811.0	811.5
175°	815.6	814.7	814.7	814.7	814.7	814.7	815.1	815.6	816.2	816.8	817.3
177.5°	818.4	817.7	817.8	817.9	818.1	818.2	818.4	818.9	819.4	819.8	820.3
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333314-930

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1505.5	1512.6	1517.2	1525.8	1532.9	1537.0	1540.6	1543.6	1547.2	1550.2	1558.9
5°	1515.2	1531.6	1545.6	1567.2	1587.0	1602.2	1618.7	1633.4	1645.4	1662.6	1675.9
7.5°	1510.9	1540.3	1571.1	1604.5	1638.7	1670.5	1699.7	1727.0	1751.8	1781.8	1808.1
10°	1506.8	1546.9	1586.3	1631.4	1677.8	1717.3	1754.1	1791.6	1818.9	1857.1	1889.5
12.5°	1503.8	1550.9	1598.6	1652.8	1703.7	1759.4	1808.5	1835.8	1877.4	1907.9	1946.4
15°	1491.0	1553.3	1618.7	1679.8	1752.2	1803.7	1846.9	1900.3	1939.0	1977.8	2019.7
17.5°	1467.9	1538.6	1611.8	1691.7	1761.2	1816.5	1872.2	1923.7	1969.9	2021.9	2074.1
20°	1457.3	1527.9	1611.8	1693.7	1761.7	1819.6	1876.7	1933.3	1984.2	2050.9	2111.3
22.5°	1434.9	1520.2	1597.5	1677.5	1747.5	1810.4	1875.3	1939.4	2007.0	2082.4	2158.0
25°	1395.1	1481.5	1563.4	1642.3	1712.8	1791.6	1860.8	1946.7	2033.1	2132.9	2226.9
27.5°	1353.6	1436.3	1511.5	1587.6	1669.8	1759.1	1848.9	1946.3	2059.4	2185.4	2318.1
30°	1320.1	1398.2	1471.3	1549.5	1635.2	1735.7	1834.2	1949.9	2080.8	2222.5	2380.1
32.5°	1280.8	1352.9	1424.0	1506.8	1600.2	1706.2	1821.0	1947.8	2105.2	2266.2	2428.5
35°	1213.9	1274.2	1347.4	1435.7	1541.2	1662.6	1795.5	1945.4	2125.9	2310.8	2447.4
37.5°	1134.4	1190.7	1267.6	1364.5	1475.1	1605.4	1763.0	1941.0	2132.7	2280.1	2324.2
40°	1081.1	1133.2	1213.2	1313.7	1426.8	1564.7	1737.6	1925.7	2111.3	2205.3	2169.1
42.5°	1024.1	1078.8	1156.8	1256.2	1378.0	1528.1	1705.5	1893.7	2049.3	2084.8	1959.7
45°	934.3	990.8	1067.7	1168.2	1299.0	1461.8	1646.7	1817.6	1907.2	1843.1	1649.3
47.5°	850.8	903.8	975.0	1078.6	1213.7	1382.0	1560.2	1696.6	1703.6	1550.5	1343.5
50°	793.8	842.7	914.5	1018.1	1152.3	1322.6	1483.4	1590.7	1542.5	1369.0	1170.0
52.5°	737.8	785.8	856.6	959.2	1091.8	1247.8	1397.4	1472.8	1381.8	1203.7	1033.8
55°	657.1	699.1	768.3	863.1	988.9	1133.8	1260.9	1286.9	1168.7	993.4	855.4
57.5°	578.4	617.5	680.5	767.8	882.8	1011.1	1110.5	1105.0	980.0	829.5	720.1
60°	525.0	563.1	619.1	704.2	809.0	919.7	1004.8	984.5	860.5	730.9	638.7
62.5°	477.2	511.2	564.1	638.6	734.3	836.7	906.7	876.7	755.3	641.9	569.1
65°	406.8	435.4	480.5	544.0	623.5	708.0	762.0	723.3	619.6	531.3	472.9
67.5°	339.5	362.4	400.2	450.9	518.7	586.6	619.5	580.5	497.7	433.2	389.9
70°	296.8	317.2	346.3	391.5	450.6	507.8	532.6	497.7	426.5	371.1	340.0
72.5°	254.1	270.8	296.5	337.1	384.5	434.1	455.8	422.4	363.9	317.2	288.1
75°	196.4	207.8	225.6	253.6	291.1	330.5	342.6	313.3	275.8	240.8	221.8
77.5°	140.6	150.3	163.7	181.4	208.0	233.0	243.5	226.7	197.6	175.5	159.9
80°	108.0	113.2	124.6	139.2	160.1	176.0	183.0	172.3	151.9	135.3	123.3
82.5°	77.0	82.1	88.9	101.0	114.4	125.2	132.7	125.5	110.7	97.8	90.7
85°	37.5	40.7	44.5	49.6	59.8	66.1	65.5	61.0	55.3	50.2	46.4
87.5°	13.5	14.3	16.1	18.8	20.5	22.8	24.1	23.2	21.4	20.0	18.6
90°	1.8	2.9	4.1	5.1	6.2	7.3	8.2	9.2	10.2	10.9	11.6
92.5°	16.2	17.0	17.8	18.6	19.6	20.8	22.0	23.2	24.5	25.4	26.3
95°	41.7	42.0	42.3	42.6	43.5	44.8	46.2	47.7	49.1	50.1	51.0
97.5°	69.0	69.1	69.2	69.3	70.4	72.3	74.3	76.2	78.2	79.1	80.1
100°	89.3	89.3	89.3	89.3	90.2	92.0	93.8	95.7	97.5	98.8	100.1
102.5°	111.8	112.3	112.9	113.5	114.2	115.1	116.1	117.0	118.0	119.4	120.7
105°	146.1	146.8	147.5	148.2	149.0	149.9	150.7	151.5	152.4	153.2	154.1
107.5°	183.8	184.5	185.2	186.0	186.6	187.3	187.9	188.6	189.2	189.6	190.0
110°	209.9	210.5	211.2	212.0	212.5	213.0	213.4	213.8	214.2	214.7	215.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	236.0	236.4	236.8	237.1	237.6	238.1	238.6	239.2	239.7	239.9	240.1
115°	275.3	275.9	276.5	277.0	277.4	277.8	278.0	278.3	278.6	278.4	278.3
117.5°	314.3	314.5	314.8	315.0	315.4	315.6	315.8	316.1	316.3	316.4	316.6
120°	339.2	340.0	340.6	341.4	341.8	341.9	342.1	342.2	342.3	342.3	342.3
122.5°	365.3	365.6	365.8	366.1	366.4	366.7	367.1	367.5	367.9	367.7	367.6
125°	401.9	402.7	403.6	404.4	404.9	405.0	405.2	405.3	405.4	405.2	404.9
127.5°	439.8	440.2	440.7	441.2	441.5	441.6	441.8	442.1	442.2	442.1	441.9
130°	462.9	463.7	464.3	465.0	465.5	465.8	466.1	466.4	466.7	466.5	466.4
132.5°	486.3	487.5	488.6	489.8	490.3	490.3	490.2	490.2	490.2	490.0	489.8
135°	522.4	523.2	524.1	524.9	525.4	525.5	525.7	525.8	525.9	525.9	525.9
137.5°	556.5	557.3	558.2	559.0	559.5	559.9	560.1	560.4	560.8	560.9	561.1
140°	578.3	579.0	579.8	580.4	581.0	581.4	581.9	582.3	582.7	583.0	583.3
142.5°	600.1	600.7	601.3	601.9	602.5	603.0	603.6	604.1	604.6	604.8	605.0
145°	632.3	632.9	633.5	634.1	634.5	635.0	635.4	635.9	636.3	636.3	636.3
147.5°	661.9	662.3	662.6	662.8	663.2	663.6	663.9	664.2	664.6	664.9	665.2
150°	681.3	681.3	681.1	680.9	681.2	681.8	682.3	682.9	683.5	683.5	683.5
152.5°	698.1	698.2	698.5	698.6	698.9	699.0	699.3	699.5	699.8	700.1	700.4
155°	722.9	722.9	722.9	722.9	723.0	723.2	723.3	723.4	723.6	724.1	724.7
157.5°	745.1	744.8	744.4	744.1	744.0	744.2	744.4	744.4	744.6	745.2	745.8
160°	758.2	757.8	757.4	756.9	756.8	756.9	757.1	757.2	757.4	758.0	758.6
162.5°	770.1	769.7	769.5	769.2	769.0	769.0	769.1	769.1	769.2	769.8	770.5
165°	785.8	785.5	785.2	785.0	784.9	785.0	785.1	785.3	785.5	786.0	786.6
167.5°	798.7	798.2	797.6	797.0	796.8	796.8	796.8	796.8	796.8	797.6	798.5
170°	805.9	805.4	804.8	804.2	803.9	803.9	803.9	803.9	803.9	804.8	805.6
172.5°	811.0	810.4	809.8	809.3	809.0	809.0	809.0	809.0	809.0	809.8	810.7
175°	816.8	816.2	815.6	815.1	814.7	814.7	814.7	814.7	814.7	815.6	816.4
177.5°	819.8	819.4	818.9	818.4	818.2	818.1	817.9	817.8	817.7	818.4	819.0
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1565.9	1570.0	1578.7	1575.6	1579.7	1581.8	1583.8
5°	1692.5	1712.8	1721.7	1720.4	1733.7	1730.6	1727.4
7.5°	1835.3	1856.7	1868.7	1883.5	1892.1	1892.8	1900.3
10°	1916.2	1944.2	1955.6	1971.5	1981.7	1987.4	1986.7
12.5°	1978.2	2000.1	2025.7	2033.5	2047.2	2054.5	2051.8
15°	2052.8	2087.7	2114.5	2127.8	2145.0	2150.0	2157.0
17.5°	2119.5	2166.3	2197.5	2238.9	2254.5	2264.1	2258.5
20°	2169.8	2231.4	2262.5	2312.1	2339.4	2354.1	2349.0
22.5°	2229.3	2296.0	2353.5	2396.5	2438.1	2457.8	2461.9
25°	2331.2	2422.7	2507.2	2563.8	2615.2	2627.3	2654.0
27.5°	2445.1	2552.9	2643.4	2702.9	2738.7	2752.1	2760.5
30°	2516.7	2624.1	2692.2	2730.3	2741.8	2740.5	2739.2
32.5°	2551.8	2619.1	2632.2	2621.5	2595.3	2573.2	2550.1
35°	2502.2	2451.9	2376.9	2280.3	2209.1	2137.3	2130.4
37.5°	2250.3	2089.8	1965.0	1825.5	1745.1	1695.4	1661.1
40°	2013.4	1831.0	1679.8	1562.2	1480.2	1447.8	1416.0
42.5°	1756.2	1581.8	1447.9	1349.6	1288.0	1252.1	1226.9
45°	1426.8	1273.0	1168.2	1097.0	1048.0	1020.0	1004.1
47.5°	1169.1	1055.4	966.3	914.9	881.1	859.4	859.5
50°	1030.9	922.2	863.1	822.4	793.1	776.0	779.2
52.5°	908.3	827.1	776.7	742.6	721.0	710.4	710.0
55°	759.5	701.0	668.0	643.2	628.5	616.4	619.1
57.5°	649.6	600.3	578.2	557.7	547.5	542.7	535.7
60°	581.6	543.4	524.3	507.8	497.7	493.8	486.8
62.5°	521.1	491.1	472.5	459.0	449.8	448.6	443.1
65°	437.9	415.0	398.5	392.2	382.6	380.1	380.1
67.5°	361.0	344.6	331.7	325.9	321.7	322.4	319.3
70°	312.7	299.4	291.1	284.7	281.5	282.2	279.6
72.5°	273.5	258.7	251.4	247.6	243.4	245.1	244.0
75°	207.2	199.6	195.8	191.9	189.4	188.1	186.9
77.5°	152.1	145.4	142.5	140.3	140.7	137.6	140.1
80°	117.6	111.9	110.0	106.8	106.2	106.2	105.5
82.5°	86.0	82.8	81.4	78.8	77.7	78.7	77.0
85°	44.5	41.9	41.3	41.3	40.0	38.8	41.9
87.5°	18.8	16.9	17.0	16.6	16.6	16.2	15.2
90°	12.3	13.0	13.6	14.0	14.4	14.8	15.3
92.5°	27.3	28.2	28.9	29.2	29.4	29.8	30.1
95°	52.1	53.1	53.7	54.0	54.3	54.5	54.8
97.5°	81.0	81.9	82.4	82.6	82.8	83.0	83.2
100°	101.3	102.6	103.5	103.7	104.0	104.3	104.5
102.5°	122.1	123.5	124.4	124.8	125.1	125.6	126.0
105°	154.9	155.8	156.4	156.9	157.3	157.7	158.1
107.5°	190.5	190.9	191.1	191.1	191.0	191.0	191.0
110°	215.5	215.9	216.1	215.9	215.7	215.6	215.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	240.3	240.5	240.5	240.2	239.9	239.7	239.5
115°	278.2	278.0	277.9	277.8	277.6	277.4	277.4
117.5°	316.7	316.8	316.6	316.0	315.4	314.9	314.3
120°	342.3	342.3	342.1	341.5	341.0	340.4	339.8
122.5°	367.5	367.4	367.1	366.6	366.2	365.7	365.3
125°	404.6	404.3	404.1	404.0	403.8	403.7	403.6
127.5°	441.7	441.6	441.4	441.2	440.8	440.6	440.3
130°	466.3	466.1	465.9	465.6	465.3	465.0	464.7
132.5°	489.7	489.6	489.3	488.9	488.5	488.1	487.7
135°	525.9	525.9	525.7	525.1	524.6	524.0	523.4
137.5°	561.3	561.4	561.2	560.4	559.8	559.1	558.3
140°	583.5	583.8	583.6	582.9	582.2	581.5	580.8
142.5°	605.1	605.3	605.0	604.3	603.6	602.9	602.2
145°	636.3	636.3	636.0	635.6	635.2	634.8	634.3
147.5°	665.6	665.9	665.6	664.6	663.7	662.8	661.8
150°	683.5	683.5	683.3	683.0	682.7	682.4	682.2
152.5°	700.7	701.1	701.0	700.5	700.0	699.5	699.0
155°	725.3	725.9	725.8	725.0	724.4	723.7	722.9
157.5°	746.3	746.9	746.7	745.8	744.9	743.9	743.0
160°	759.0	759.6	759.6	758.9	758.1	757.4	756.8
162.5°	771.2	771.8	771.8	770.9	770.1	769.3	768.5
165°	787.2	787.7	787.6	786.7	785.9	785.0	784.2
167.5°	799.3	800.2	800.1	799.3	798.4	797.5	796.6
170°	806.5	807.3	807.2	806.2	805.3	804.3	803.3
172.5°	811.5	812.4	812.4	811.5	810.7	809.8	808.9
175°	817.3	818.2	818.1	817.1	816.1	815.1	814.2
177.5°	819.7	820.4	820.4	819.5	818.8	818.0	817.2
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2

(END OF REPORT)