

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: P333467-830

Luminaire Tested: **S125DIW-S1270D770U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333467-830
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: S125DIW-S1270D770U830-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7395.5 lumens
Efficiency: N/A
Efficacy: 123.7 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: Semi-Direct

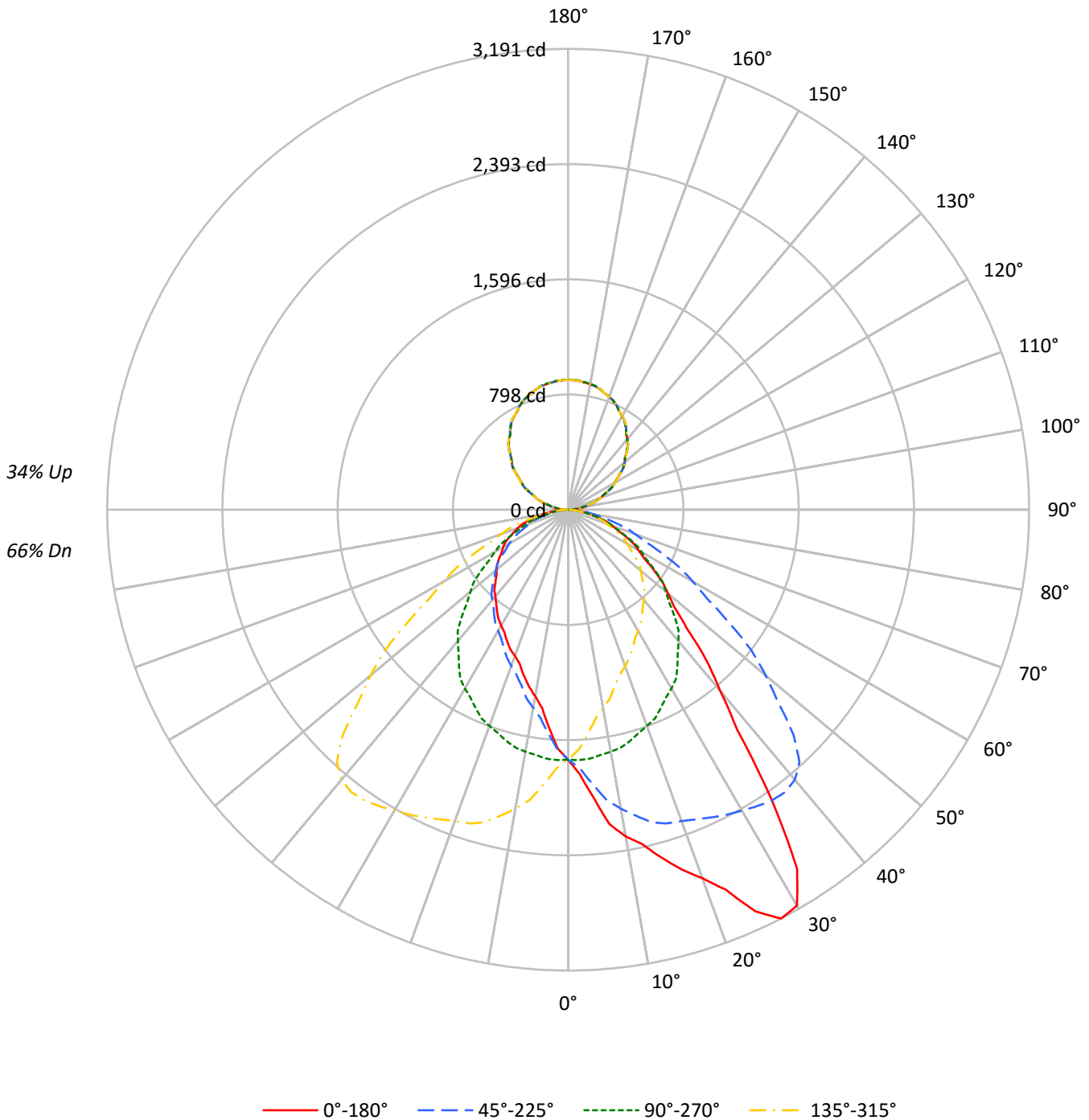
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

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	81	81	81	71	71	71	66
1	102	97	94	90	96	92	88	85	81	79	77	72	70	68	63	62	61	56
2	93	85	79	74	87	81	75	71	72	68	64	64	60	57	56	54	51	48
3	85	75	68	62	80	71	65	59	64	58	54	56	52	49	50	47	44	41
4	78	67	59	53	73	63	56	51	57	51	46	50	46	42	45	41	38	35
5	72	60	51	45	67	57	49	44	51	45	40	45	40	37	40	36	33	30
6	66	54	45	40	62	51	44	38	46	40	35	41	36	32	37	33	29	27
7	61	49	40	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24
8	57	44	36	31	53	42	35	30	38	32	28	34	29	26	31	27	23	21
9	53	40	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	49	37	30	25	47	35	29	24	32	26	22	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11180	11180	11180	11180
5°	12947	11218	9822	11218
10°	15062	11160	8605	11160
15°	16673	11078	7938	11078
20°	18664	10948	7403	10948
25°	21865	10802	7142	10802
30°	23616	10657	6915	10657
35°	19418	10387	6766	10387
40°	13801	10010	6604	10010
45°	10602	9502	6509	9502
50°	9051	8874	6497	8874
55°	8059	8257	6552	8257
60°	7270	7582	6719	7582
65°	6715	6906	6894	6906
70°	6105	6201	6992	6201
75°	5390	5465	6932	5465
80°	4537	4456	6338	4456
85°	3586	3216	5120	3216



TEST NUMBER: P333467-830

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.6	2.3
10°-20°	496.2	6.7
20°-30°	805.7	10.9
30°-40°	982.8	13.3
40°-50°	894.0	12.1
50°-60°	712.1	9.6
60°-70°	496.0	6.7
70°-80°	264.5	3.6
80°-90°	68.7	0.9
90°-100°	60.2	0.8
100°-110°	177.8	2.4
110°-120°	301.2	4.1
120°-130°	396.4	5.4
130°-140°	444.2	6.0
140°-150°	435.3	5.9
150°-160°	365.6	4.9
160°-170°	243.1	3.3
170°-180°	85.1	1.2
0°-30°	1468.5	19.9
0°-40°	2451.2	33.1
0°-60°	4057.4	54.9
0°-90°	4886.6	66.1
90°-120°	539.3	7.3
90°-150°	1815.1	24.5
90°-180°	2509.0	33.9
0°-180°	7395.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1731	1731	1731	1731	1731	
5°	1997	1730	1515	1730	1997	201
15°	2494	1657	1187	1657	2494	714
25°	3068	1516	1002	1516	3068	1401
35°	2463	1317	858	1317	2463	1507
45°	1161	1040	713	1040	1161	929
55°	716	733	582	733	716	645
65°	439	452	451	452	439	436
75°	216	219	278	219	216	233
85°	48	43	69	43	48	56
90°	17	1	17	1	17	12
95°	60	46	60	46	60	61
105°	174	160	174	160	174	184
115°	304	302	304	302	304	301
125°	443	440	443	440	443	395
135°	574	572	574	572	574	443
145°	696	693	696	693	696	435
155°	793	793	793	793	793	365
165°	861	863	861	863	861	243
175°	894	897	894	897	894	85
180°	899	899	899	899	899	



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1831.0	1828.6	1826.3	1821.6	1825.0	1815.1	1810.3	1802.1	1792.2	1788.7	1784.5
5°	1997.0	2000.6	2004.3	1989.0	1990.4	1980.1	1956.6	1937.5	1922.0	1902.2	1888.3
7.5°	2196.9	2188.2	2187.5	2177.5	2160.3	2146.5	2121.8	2090.3	2059.9	2025.2	1996.6
10°	2296.8	2297.5	2290.9	2279.2	2260.8	2247.6	2215.3	2184.3	2146.9	2102.8	2071.2
12.5°	2372.0	2375.1	2366.7	2350.9	2341.8	2312.2	2286.9	2250.2	2205.6	2170.4	2122.3
15°	2493.7	2485.6	2479.7	2459.8	2444.5	2413.6	2373.2	2335.0	2286.5	2241.6	2196.9
17.5°	2610.9	2617.4	2606.4	2588.3	2540.4	2504.4	2450.2	2397.8	2337.5	2277.4	2223.9
20°	2715.6	2721.5	2704.5	2673.0	2615.6	2579.6	2508.4	2440.8	2371.0	2293.9	2235.1
22.5°	2846.1	2841.4	2818.6	2770.5	2720.8	2654.3	2577.2	2494.8	2407.4	2320.3	2242.1
25°	3068.3	3037.3	3023.4	2963.9	2898.5	2800.8	2695.0	2574.5	2465.8	2350.4	2250.5
27.5°	3191.4	3181.6	3166.1	3124.7	3055.9	2951.4	2826.7	2679.8	2526.5	2380.9	2250.0
30°	3166.7	3168.2	3169.7	3156.4	3112.4	3033.7	2909.5	2751.6	2569.4	2405.6	2254.2
32.5°	2948.1	2974.8	3000.4	3030.7	3043.0	3027.8	2950.1	2807.5	2619.9	2433.7	2251.8
35°	2462.9	2470.9	2553.9	2636.2	2747.9	2834.6	2892.7	2829.4	2671.4	2457.7	2249.0
37.5°	1920.3	1960.0	2017.4	2110.4	2271.6	2415.9	2601.5	2686.9	2635.9	2465.5	2243.9
40°	1637.0	1673.8	1711.2	1806.0	1941.9	2116.8	2327.6	2507.6	2549.5	2440.8	2226.3
42.5°	1418.3	1447.5	1489.0	1560.3	1673.9	1828.7	2030.2	2265.5	2410.2	2369.1	2189.2
45°	1160.8	1179.2	1211.5	1268.2	1350.5	1471.7	1649.4	1906.7	2130.7	2204.9	2101.3
47.5°	993.6	993.5	1018.6	1057.7	1117.1	1220.1	1351.6	1553.1	1792.4	1969.5	1961.3
50°	900.8	897.1	916.9	950.7	997.8	1066.1	1191.8	1352.6	1582.6	1783.2	1839.0
52.5°	820.9	821.2	833.5	858.5	897.9	956.2	1050.1	1195.1	1391.6	1597.4	1702.7
55°	715.7	712.7	726.6	743.6	772.2	810.4	878.0	988.9	1148.4	1351.1	1487.8
57.5°	619.3	627.4	632.9	644.7	668.5	694.0	751.0	832.5	958.9	1132.9	1277.4
60°	562.8	570.9	575.3	587.0	606.1	628.2	672.3	738.4	845.0	994.9	1138.1
62.5°	512.3	518.6	520.0	530.7	546.2	567.7	602.4	657.9	742.1	873.2	1013.5
65°	439.4	439.4	442.3	453.4	460.7	479.8	506.2	546.7	614.3	716.3	836.1
67.5°	369.1	372.7	371.9	376.7	383.5	398.4	417.4	450.7	500.8	575.3	671.1
70°	323.3	326.2	325.5	329.1	336.5	346.1	361.5	393.0	429.0	493.0	575.3
72.5°	282.1	283.3	281.4	286.3	290.7	299.1	316.2	333.1	366.7	420.8	488.3
75°	216.0	217.4	219.0	221.9	226.3	230.7	239.5	256.5	278.4	318.9	362.2
77.5°	161.9	159.1	162.7	162.2	164.8	168.1	175.9	184.8	202.9	228.5	262.0
80°	122.0	122.7	122.7	123.5	127.1	129.3	135.9	142.5	156.5	175.6	199.2
82.5°	89.1	91.0	89.8	91.1	94.2	95.8	99.4	104.9	113.0	128.0	145.1
85°	48.4	44.9	46.3	47.8	47.8	48.4	51.5	53.6	58.1	63.9	70.5
87.5°	17.4	18.6	19.0	18.9	19.4	19.3	21.5	21.4	23.0	24.6	26.7
90°	16.8	16.3	15.8	15.4	14.9	14.3	13.6	12.7	12.0	11.2	10.1
92.5°	33.0	32.7	32.3	32.0	31.7	31.0	30.0	28.9	27.9	26.9	25.5
95°	60.1	59.9	59.6	59.3	58.9	58.2	57.1	56.1	55.0	53.9	52.3
97.5°	91.2	91.0	90.9	90.7	90.5	89.9	88.9	87.8	86.8	85.8	83.6
100°	114.7	114.4	114.1	113.9	113.5	112.6	111.2	109.8	108.5	107.1	105.0
102.5°	138.3	137.8	137.4	137.0	136.5	135.5	134.0	132.5	131.0	129.4	128.4
105°	173.5	173.1	172.6	172.1	171.6	171.0	170.0	169.1	168.1	167.2	166.3
107.5°	209.6	209.6	209.7	209.7	209.7	209.5	209.1	208.6	208.1	207.6	207.0
110°	236.5	236.7	236.8	237.0	237.1	237.0	236.5	236.0	235.5	235.1	234.6



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	262.8	263.1	263.3	263.6	263.9	263.9	263.7	263.5	263.3	263.1	262.5
115°	304.3	304.5	304.7	304.8	305.0	305.1	305.3	305.5	305.6	305.8	305.5
117.5°	345.0	345.5	346.2	346.9	347.4	347.7	347.5	347.4	347.3	347.2	346.9
120°	373.0	373.5	374.2	374.8	375.4	375.7	375.7	375.7	375.7	375.7	375.6
122.5°	401.0	401.4	401.9	402.4	402.9	403.2	403.3	403.5	403.6	403.7	403.3
125°	442.9	443.1	443.2	443.4	443.6	443.7	444.0	444.4	444.7	445.0	444.9
127.5°	483.2	483.5	483.8	484.2	484.5	484.7	484.8	485.0	485.1	485.3	485.1
130°	510.1	510.4	510.7	511.0	511.3	511.5	511.7	511.9	512.0	512.2	511.9
132.5°	535.3	535.7	536.1	536.6	537.0	537.3	537.4	537.6	537.8	537.9	538.0
135°	574.5	575.0	575.7	576.3	576.9	577.2	577.2	577.2	577.2	577.2	577.1
137.5°	612.7	613.6	614.3	615.1	615.9	616.2	616.0	615.9	615.7	615.5	615.1
140°	637.4	638.2	638.9	639.8	640.6	640.7	640.5	640.2	639.8	639.5	639.0
142.5°	660.9	661.7	662.5	663.3	664.0	664.3	664.1	663.9	663.7	663.5	663.0
145°	696.2	696.6	697.1	697.6	698.0	698.3	698.3	698.3	698.3	698.3	697.9
147.5°	726.3	727.4	728.4	729.4	730.5	730.8	730.5	730.1	729.7	729.3	729.0
150°	748.7	748.9	749.3	749.6	749.9	750.1	750.1	750.1	750.1	750.1	749.4
152.5°	767.1	767.7	768.3	768.8	769.4	769.5	769.1	768.7	768.4	768.0	767.7
155°	793.4	794.2	795.0	795.8	796.5	796.6	796.0	795.4	794.8	794.2	794.0
157.5°	815.4	816.4	817.5	818.5	819.5	819.7	819.1	818.5	817.8	817.3	817.1
160°	830.6	831.3	832.1	832.8	833.7	833.7	833.1	832.5	831.9	831.2	831.0
162.5°	843.4	844.3	845.2	846.1	847.1	847.1	846.3	845.6	844.9	844.1	844.0
165°	860.6	861.6	862.5	863.5	864.3	864.5	863.9	863.3	862.6	862.0	861.9
167.5°	874.3	875.3	876.3	877.2	878.2	878.2	877.3	876.4	875.4	874.5	874.5
170°	881.7	882.7	883.8	884.9	886.0	886.1	885.1	884.2	883.3	882.3	882.3
172.5°	887.8	888.7	889.7	890.7	891.6	891.6	890.7	889.8	888.8	887.9	887.9
175°	893.5	894.6	895.7	896.7	897.9	898.0	897.0	896.1	895.1	894.2	894.2
177.5°	896.8	897.8	898.6	899.5	900.3	900.4	899.7	898.9	898.1	897.4	897.6
180°	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1781.0	1776.9	1772.2	1764.0	1754.0	1748.7	1740.4	1735.1	1724.6	1715.7	1706.4
5°	1871.3	1852.3	1834.7	1811.8	1786.9	1770.7	1751.6	1730.3	1708.3	1685.5	1660.5
7.5°	1965.0	1931.2	1894.4	1854.9	1816.3	1780.7	1746.7	1713.4	1682.2	1644.6	1612.8
10°	2027.9	1985.3	1939.7	1886.0	1833.9	1788.4	1742.0	1701.7	1660.5	1616.4	1577.4
12.5°	2090.7	2034.0	1969.6	1910.7	1848.0	1793.0	1738.5	1687.0	1635.2	1586.4	1541.1
15°	2135.1	2085.2	2025.6	1941.9	1871.3	1795.7	1723.7	1656.8	1594.4	1540.0	1482.7
17.5°	2164.4	2100.0	2036.1	1955.7	1863.3	1778.7	1697.0	1620.5	1550.1	1481.2	1426.0
20°	2169.6	2103.6	2036.6	1958.0	1863.3	1766.3	1684.7	1592.9	1517.2	1446.0	1378.4
22.5°	2167.9	2092.9	2020.2	1939.3	1846.8	1757.5	1658.9	1565.3	1483.1	1413.1	1342.5
25°	2151.3	2071.2	1980.1	1898.6	1807.4	1712.7	1612.8	1515.8	1432.0	1351.9	1282.1
27.5°	2137.5	2033.6	1930.4	1835.3	1747.4	1660.5	1564.8	1465.5	1372.6	1291.5	1225.7
30°	2120.4	2006.6	1890.5	1791.3	1700.9	1616.4	1526.1	1429.1	1332.1	1252.7	1182.2
32.5°	2105.2	1972.5	1849.9	1741.9	1646.2	1564.1	1480.7	1388.5	1293.3	1212.8	1142.2
35°	2075.7	1922.0	1781.7	1659.7	1557.6	1473.1	1403.4	1317.4	1229.9	1152.1	1084.5
37.5°	2038.2	1856.0	1705.3	1577.4	1465.5	1376.5	1311.5	1245.5	1161.6	1086.6	1025.4
40°	2008.7	1808.9	1649.4	1518.7	1402.6	1310.0	1249.8	1187.3	1117.6	1047.7	983.1
42.5°	1971.7	1766.6	1593.1	1452.3	1337.4	1247.2	1183.9	1130.9	1069.3	1004.3	944.2
45°	1903.7	1689.9	1501.8	1350.5	1234.4	1145.5	1080.1	1040.4	994.1	932.4	881.7
47.5°	1803.6	1597.7	1403.2	1247.0	1127.2	1044.8	983.5	945.5	912.9	867.0	821.0
50°	1714.9	1529.0	1332.1	1177.0	1057.2	974.2	917.7	883.2	855.3	819.9	781.0
52.5°	1615.5	1442.6	1262.2	1108.9	990.2	908.4	853.0	822.7	799.4	774.1	735.7
55°	1457.7	1310.8	1143.2	997.8	888.3	808.2	759.7	733.3	714.2	695.0	671.6
57.5°	1283.8	1168.9	1020.6	887.6	786.7	713.9	668.6	642.9	628.0	618.2	604.4
60°	1161.6	1063.2	935.3	814.1	715.7	651.0	606.9	587.0	574.6	566.5	556.2
62.5°	1048.2	967.3	848.9	738.3	652.1	591.0	551.7	532.3	520.5	516.5	508.0
65°	880.9	818.5	720.8	629.0	555.4	503.3	470.2	451.9	444.5	440.1	440.8
67.5°	716.2	678.2	599.6	521.3	462.7	419.0	392.5	378.4	374.8	368.8	368.7
70°	615.7	587.0	520.9	452.6	400.4	366.6	343.1	328.4	324.7	321.8	321.1
72.5°	527.0	501.8	444.5	389.7	342.8	313.1	293.8	284.9	278.9	277.1	277.0
75°	396.1	382.1	336.5	293.1	260.8	240.3	227.1	219.0	214.5	213.8	214.5
77.5°	281.5	269.4	240.4	209.7	189.3	173.7	162.5	159.8	154.8	154.9	154.1
80°	211.6	203.5	185.1	160.9	144.0	130.8	124.9	119.8	118.3	116.1	118.3
82.5°	153.4	144.8	132.2	116.8	102.8	94.9	89.1	87.5	86.5	85.5	86.0
85°	75.7	76.4	69.1	57.3	51.5	47.0	43.4	43.4	42.6	41.8	42.6
87.5°	27.7	26.3	23.7	21.7	18.5	16.5	15.6	16.0	14.5	14.1	15.0
90°	9.0	7.9	6.9	5.7	4.4	3.2	2.0	0.7	2.0	3.2	4.4
92.5°	24.2	22.9	21.5	20.5	19.5	18.7	17.8	17.0	17.8	18.7	19.5
95°	50.8	49.2	47.7	46.8	46.4	46.1	45.8	45.5	45.8	46.1	46.4
97.5°	81.5	79.4	77.2	76.1	76.0	75.8	75.7	75.6	75.7	75.8	76.0
100°	103.0	100.9	99.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
102.5°	127.4	126.4	125.4	124.5	123.9	123.3	122.6	122.1	122.6	123.3	123.9
105°	165.3	164.5	163.5	162.7	161.8	161.1	160.3	159.6	160.3	161.1	161.8
107.5°	206.2	205.6	204.8	204.1	203.3	202.6	201.7	201.0	201.7	202.6	203.3
110°	234.1	233.7	233.2	232.6	231.9	231.0	230.3	229.5	230.3	231.0	231.9



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	261.9	261.3	260.7	260.2	259.9	259.4	259.0	258.6	259.0	259.4	259.9
115°	305.1	304.8	304.5	304.1	303.4	302.8	302.2	301.6	302.2	302.8	303.4
117.5°	346.7	346.4	346.1	345.8	345.5	345.3	345.0	344.7	345.0	345.3	345.5
120°	375.4	375.2	375.1	374.7	373.9	373.1	372.3	371.6	372.3	373.1	373.9
122.5°	402.9	402.5	402.1	401.8	401.5	401.2	401.0	400.7	401.0	401.2	401.5
125°	444.7	444.5	444.4	443.8	442.9	442.0	441.0	440.1	441.0	442.0	442.9
127.5°	484.9	484.7	484.6	484.2	483.7	483.1	482.6	482.1	482.6	483.1	483.7
130°	511.5	511.2	511.0	510.4	509.6	508.9	508.0	507.3	508.0	508.9	509.6
132.5°	538.0	538.1	538.2	537.5	536.3	535.0	533.8	532.4	533.8	535.0	536.3
135°	576.9	576.7	576.6	576.1	575.1	574.2	573.3	572.3	573.3	574.2	575.1
137.5°	614.7	614.4	614.1	613.5	612.6	611.6	610.8	609.8	610.8	611.6	612.6
140°	638.6	638.1	637.6	637.1	636.2	635.5	634.7	634.0	634.7	635.5	636.2
142.5°	662.4	661.9	661.2	660.6	660.0	659.3	658.6	658.0	658.6	659.3	660.0
145°	697.4	696.9	696.4	695.9	695.2	694.7	694.0	693.4	694.0	694.7	695.2
147.5°	728.6	728.2	727.8	727.5	727.2	726.8	726.5	726.1	726.5	726.8	727.2
150°	748.9	748.2	747.6	747.3	747.5	747.6	747.8	748.0	747.8	747.6	747.5
152.5°	767.5	767.2	766.9	766.8	766.6	766.3	766.1	765.9	766.1	766.3	766.6
155°	793.8	793.7	793.5	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4
157.5°	816.9	816.8	816.6	816.7	817.1	817.4	817.7	818.1	817.7	817.4	817.1
160°	830.9	830.8	830.6	830.8	831.2	831.7	832.2	832.6	832.2	831.7	831.2
162.5°	844.0	844.0	844.0	844.1	844.5	844.8	845.2	845.6	845.2	844.8	844.5
165°	861.7	861.6	861.4	861.5	861.8	862.1	862.4	862.7	862.4	862.1	861.8
167.5°	874.5	874.5	874.5	874.8	875.4	876.0	876.7	877.3	876.7	876.0	875.4
170°	882.3	882.3	882.3	882.6	883.3	883.8	884.5	885.1	884.5	883.8	883.3
172.5°	887.9	887.9	887.9	888.3	888.8	889.5	890.0	890.7	890.0	889.5	888.8
175°	894.2	894.2	894.2	894.5	895.1	895.8	896.4	897.0	896.4	895.8	895.1
177.5°	897.7	897.8	898.0	898.2	898.7	899.2	899.8	900.2	899.8	899.2	898.7
180°	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1701.0	1694.6	1689.3	1677.5	1671.0	1662.3	1655.2	1662.8	1654.6	1658.1	1652.8
5°	1648.0	1627.4	1612.8	1591.4	1573.1	1556.1	1543.7	1541.4	1535.6	1532.7	1523.8
7.5°	1584.2	1558.5	1533.2	1505.3	1481.8	1457.8	1442.6	1429.9	1421.5	1410.5	1403.1
10°	1546.6	1512.1	1482.7	1448.9	1419.5	1393.8	1373.2	1362.9	1353.4	1339.4	1334.3
12.5°	1500.2	1464.4	1428.6	1392.5	1364.2	1335.6	1318.0	1302.4	1295.8	1280.1	1278.5
15°	1444.4	1390.8	1355.6	1318.8	1279.9	1256.4	1241.7	1224.8	1217.5	1206.5	1198.3
17.5°	1378.1	1330.1	1286.1	1248.0	1214.7	1194.9	1176.6	1165.0	1152.4	1145.2	1131.9
20°	1329.8	1284.3	1240.2	1199.9	1174.1	1151.3	1136.6	1125.6	1112.4	1108.7	1095.5
22.5°	1289.3	1239.1	1196.7	1162.8	1134.7	1109.0	1093.2	1085.6	1076.6	1065.3	1062.5
25°	1223.3	1171.2	1135.2	1101.4	1076.4	1052.9	1041.9	1032.3	1023.5	1015.4	1012.5
27.5°	1166.3	1119.7	1076.9	1046.4	1024.6	1003.2	993.5	981.9	975.4	968.9	961.0
30°	1126.3	1078.6	1041.1	1011.7	988.3	969.1	958.8	950.7	944.9	939.0	934.6
32.5°	1085.2	1040.9	1004.7	975.9	952.3	937.9	928.9	923.1	916.6	909.6	904.0
35°	1030.9	982.3	947.1	922.1	903.7	892.7	882.4	877.2	870.0	870.0	864.0
37.5°	969.6	927.7	896.5	873.7	857.2	847.4	836.3	832.7	828.0	824.9	822.9
40°	933.1	894.2	864.8	842.0	824.3	816.2	807.5	801.6	798.6	794.9	793.5
42.5°	895.5	858.3	830.1	809.1	793.8	786.9	778.6	774.6	768.6	763.8	763.0
45°	838.3	802.3	776.7	759.7	746.5	738.4	733.3	724.4	721.5	715.7	714.9
47.5°	784.1	749.6	724.3	710.5	698.9	692.3	684.2	675.3	672.0	669.0	668.7
50°	743.6	712.0	688.4	675.2	664.2	654.7	646.6	640.6	638.5	638.5	640.0
52.5°	702.4	675.5	655.5	639.3	629.0	618.8	611.3	607.8	604.4	607.9	610.6
55°	642.2	615.0	600.3	584.8	574.6	562.8	559.1	557.7	555.4	561.4	564.3
57.5°	578.3	559.3	542.1	526.8	517.6	510.8	505.8	504.9	509.1	511.8	521.3
60°	537.8	515.8	500.4	488.6	477.6	473.2	471.7	470.2	473.2	481.3	493.7
62.5°	493.1	475.2	458.6	449.8	441.7	434.4	434.0	435.0	440.8	450.1	462.6
65°	427.6	412.2	401.1	390.9	384.3	379.8	381.4	384.3	390.9	403.4	417.4
67.5°	361.1	350.4	340.6	332.2	325.9	325.9	327.4	331.8	339.6	354.0	366.7
70°	318.1	306.4	298.3	294.6	289.5	286.5	291.0	298.3	304.9	318.1	329.1
72.5°	275.2	265.2	258.9	256.5	254.2	251.8	253.4	261.3	270.2	283.4	296.2
75°	211.6	207.9	203.5	200.6	198.4	199.8	201.3	208.7	216.0	230.0	244.7
77.5°	154.5	150.6	148.0	147.2	146.1	146.8	150.9	156.4	163.5	173.7	184.8
80°	116.8	115.4	113.9	113.1	113.1	113.9	119.8	123.5	130.1	139.6	148.5
82.5°	85.1	84.2	83.9	83.8	84.4	84.5	88.0	92.8	98.3	105.5	113.1
85°	44.9	43.4	45.5	46.3	44.9	47.0	48.4	51.5	53.6	57.3	61.0
87.5°	15.8	17.2	16.9	17.7	17.9	19.3	18.9	21.4	22.7	24.0	23.6
90°	5.7	6.9	7.9	9.0	10.1	11.2	12.0	12.7	13.6	14.3	14.9
92.5°	20.5	21.5	22.9	24.2	25.5	26.9	27.9	28.9	30.0	31.0	31.7
95°	46.8	47.7	49.2	50.8	52.3	53.9	55.0	56.1	57.1	58.2	58.9
97.5°	76.1	77.2	79.4	81.5	83.6	85.8	86.8	87.8	88.9	89.9	90.5
100°	97.9	99.0	100.9	103.0	105.0	107.1	108.5	109.8	111.2	112.6	113.5
102.5°	124.5	125.4	126.4	127.4	128.4	129.4	131.0	132.5	134.0	135.5	136.5
105°	162.7	163.5	164.5	165.3	166.3	167.2	168.1	169.1	170.0	171.0	171.6
107.5°	204.1	204.8	205.6	206.2	207.0	207.6	208.1	208.6	209.1	209.5	209.7
110°	232.6	233.2	233.7	234.1	234.6	235.1	235.5	236.0	236.5	237.0	237.1



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	260.2	260.7	261.3	261.9	262.5	263.1	263.3	263.5	263.7	263.9	263.9
115°	304.1	304.5	304.8	305.1	305.5	305.8	305.6	305.5	305.3	305.1	305.0
117.5°	345.8	346.1	346.4	346.7	346.9	347.2	347.3	347.4	347.5	347.7	347.4
120°	374.7	375.1	375.2	375.4	375.6	375.7	375.7	375.7	375.7	375.7	375.4
122.5°	401.8	402.1	402.5	402.9	403.3	403.7	403.6	403.5	403.3	403.2	402.9
125°	443.8	444.4	444.5	444.7	444.9	445.0	444.7	444.4	444.0	443.7	443.6
127.5°	484.2	484.6	484.7	484.9	485.1	485.3	485.1	485.0	484.8	484.7	484.5
130°	510.4	511.0	511.2	511.5	511.9	512.2	512.0	511.9	511.7	511.5	511.3
132.5°	537.5	538.2	538.1	538.0	538.0	537.9	537.8	537.6	537.4	537.3	537.0
135°	576.1	576.6	576.7	576.9	577.1	577.2	577.2	577.2	577.2	577.2	576.9
137.5°	613.5	614.1	614.4	614.7	615.1	615.5	615.7	615.9	616.0	616.2	615.9
140°	637.1	637.6	638.1	638.6	639.0	639.5	639.8	640.2	640.5	640.7	640.6
142.5°	660.6	661.2	661.9	662.4	663.0	663.5	663.7	663.9	664.1	664.3	664.0
145°	695.9	696.4	696.9	697.4	697.9	698.3	698.3	698.3	698.3	698.3	698.0
147.5°	727.5	727.8	728.2	728.6	729.0	729.3	729.7	730.1	730.5	730.8	730.5
150°	747.3	747.6	748.2	748.9	749.4	750.1	750.1	750.1	750.1	750.1	749.9
152.5°	766.8	766.9	767.2	767.5	767.7	768.0	768.4	768.7	769.1	769.5	769.4
155°	793.4	793.5	793.7	793.8	794.0	794.2	794.8	795.4	796.0	796.6	796.5
157.5°	816.7	816.6	816.8	816.9	817.1	817.3	817.8	818.5	819.1	819.7	819.5
160°	830.8	830.6	830.8	830.9	831.0	831.2	831.9	832.5	833.1	833.7	833.7
162.5°	844.1	844.0	844.0	844.0	844.0	844.1	844.9	845.6	846.3	847.1	847.1
165°	861.5	861.4	861.6	861.7	861.9	862.0	862.6	863.3	863.9	864.5	864.3
167.5°	874.8	874.5	874.5	874.5	874.5	874.5	875.4	876.4	877.3	878.2	878.2
170°	882.6	882.3	882.3	882.3	882.3	882.3	883.3	884.2	885.1	886.1	886.0
172.5°	888.3	887.9	887.9	887.9	887.9	887.9	888.8	889.8	890.7	891.6	891.6
175°	894.5	894.2	894.2	894.2	894.2	894.2	895.1	896.1	897.0	898.0	897.9
177.5°	898.2	898.0	897.8	897.7	897.6	897.4	898.1	898.9	899.7	900.4	900.3
180°	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1649.4	1653.4	1649.9	1654.6	1649.9	1653.4	1649.4	1652.8	1658.1	1654.6	1662.8
5°	1520.1	1513.5	1518.0	1515.0	1518.0	1513.5	1520.1	1523.8	1532.7	1535.6	1541.4
7.5°	1400.8	1394.5	1387.3	1383.9	1387.3	1394.5	1400.8	1403.1	1410.5	1421.5	1429.9
10°	1326.2	1318.1	1317.4	1312.2	1317.4	1318.1	1326.2	1334.3	1339.4	1353.4	1362.9
12.5°	1271.5	1264.0	1255.7	1253.5	1255.7	1264.0	1271.5	1278.5	1280.1	1295.8	1302.4
15°	1193.9	1188.1	1182.9	1187.3	1182.9	1188.1	1193.9	1198.3	1206.5	1217.5	1224.8
17.5°	1129.4	1124.5	1123.7	1118.2	1123.7	1124.5	1129.4	1131.9	1145.2	1152.4	1165.0
20°	1088.9	1085.2	1086.7	1077.1	1086.7	1085.2	1088.9	1095.5	1108.7	1112.4	1125.6
22.5°	1056.6	1049.3	1048.5	1046.6	1048.5	1049.3	1056.6	1062.5	1065.3	1076.6	1085.6
25°	1005.9	1002.2	998.5	1002.2	998.5	1002.2	1005.9	1012.5	1015.4	1023.5	1032.3
27.5°	961.6	957.2	956.2	956.6	956.2	957.2	961.6	961.0	968.9	975.4	981.9
30°	934.6	927.3	927.9	927.3	927.9	927.3	934.6	934.6	939.0	944.9	950.7
32.5°	905.2	900.2	899.2	897.9	899.2	900.2	905.2	904.0	909.6	916.6	923.1
35°	861.9	861.9	858.2	858.2	858.2	861.9	861.9	864.0	870.0	870.0	877.2
37.5°	821.1	820.4	818.2	818.5	818.2	820.4	821.1	822.9	824.9	828.0	832.7
40°	790.6	789.9	787.6	783.3	787.6	789.9	790.6	793.5	794.9	798.6	801.6
42.5°	761.2	758.7	757.6	756.2	757.6	758.7	761.2	763.0	763.8	768.6	774.6
45°	714.9	714.9	713.4	712.7	713.4	714.9	714.9	714.9	715.7	721.5	724.4
47.5°	670.0	671.3	674.0	673.6	674.0	671.3	670.0	668.7	669.0	672.0	675.3
50°	642.9	643.7	645.8	646.6	645.8	643.7	642.9	640.0	638.5	638.5	640.6
52.5°	612.9	617.2	620.0	619.5	620.0	617.2	612.9	610.6	607.9	604.4	607.8
55°	570.9	576.0	581.2	581.9	581.2	576.0	570.9	564.3	561.4	555.4	557.7
57.5°	529.3	536.5	542.0	543.7	542.0	536.5	529.3	521.3	511.8	509.1	504.9
60°	501.1	510.7	517.3	520.2	517.3	510.7	501.1	493.7	481.3	473.2	470.2
62.5°	474.0	484.7	491.3	492.0	491.3	484.7	474.0	462.6	450.1	440.8	435.0
65°	429.8	440.8	446.7	451.1	446.7	440.8	429.8	417.4	403.4	390.9	384.3
67.5°	382.2	393.2	399.7	403.2	399.7	393.2	382.2	366.7	354.0	339.6	331.8
70°	347.5	358.5	367.4	370.3	367.4	358.5	347.5	329.1	318.1	304.9	298.3
72.5°	313.4	323.3	330.4	333.8	330.4	323.3	313.4	296.2	283.4	270.2	261.3
75°	254.2	267.4	274.1	277.8	274.1	267.4	254.2	244.7	230.0	216.0	208.7
77.5°	196.0	208.1	212.1	214.0	212.1	208.1	196.0	184.8	173.7	163.5	156.4
80°	157.2	164.6	169.8	170.4	169.8	164.6	157.2	148.5	139.6	130.1	123.5
82.5°	120.8	127.0	128.6	130.4	128.6	127.0	120.8	113.1	105.5	98.3	92.8
85°	66.2	69.1	69.8	69.1	69.8	69.1	66.2	61.0	57.3	53.6	51.5
87.5°	24.8	24.3	24.4	25.7	24.4	24.3	24.8	23.6	24.0	22.7	21.4
90°	15.4	15.8	16.3	16.8	16.3	15.8	15.4	14.9	14.3	13.6	12.7
92.5°	32.0	32.3	32.7	33.0	32.7	32.3	32.0	31.7	31.0	30.0	28.9
95°	59.3	59.6	59.9	60.1	59.9	59.6	59.3	58.9	58.2	57.1	56.1
97.5°	90.7	90.9	91.0	91.2	91.0	90.9	90.7	90.5	89.9	88.9	87.8
100°	113.9	114.1	114.4	114.7	114.4	114.1	113.9	113.5	112.6	111.2	109.8
102.5°	137.0	137.4	137.8	138.3	137.8	137.4	137.0	136.5	135.5	134.0	132.5
105°	172.1	172.6	173.1	173.5	173.1	172.6	172.1	171.6	171.0	170.0	169.1
107.5°	209.7	209.7	209.6	209.6	209.6	209.7	209.7	209.7	209.5	209.1	208.6
110°	237.0	236.8	236.7	236.5	236.7	236.8	237.0	237.1	237.0	236.5	236.0



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	263.6	263.3	263.1	262.8	263.1	263.3	263.6	263.9	263.9	263.7	263.5
115°	304.8	304.7	304.5	304.3	304.5	304.7	304.8	305.0	305.1	305.3	305.5
117.5°	346.9	346.2	345.5	345.0	345.5	346.2	346.9	347.4	347.7	347.5	347.4
120°	374.8	374.2	373.5	373.0	373.5	374.2	374.8	375.4	375.7	375.7	375.7
122.5°	402.4	401.9	401.4	401.0	401.4	401.9	402.4	402.9	403.2	403.3	403.5
125°	443.4	443.2	443.1	442.9	443.1	443.2	443.4	443.6	443.7	444.0	444.4
127.5°	484.2	483.8	483.5	483.2	483.5	483.8	484.2	484.5	484.7	484.8	485.0
130°	511.0	510.7	510.4	510.1	510.4	510.7	511.0	511.3	511.5	511.7	511.9
132.5°	536.6	536.1	535.7	535.3	535.7	536.1	536.6	537.0	537.3	537.4	537.6
135°	576.3	575.7	575.0	574.5	575.0	575.7	576.3	576.9	577.2	577.2	577.2
137.5°	615.1	614.3	613.6	612.7	613.6	614.3	615.1	615.9	616.2	616.0	615.9
140°	639.8	638.9	638.2	637.4	638.2	638.9	639.8	640.6	640.7	640.5	640.2
142.5°	663.3	662.5	661.7	660.9	661.7	662.5	663.3	664.0	664.3	664.1	663.9
145°	697.6	697.1	696.6	696.2	696.6	697.1	697.6	698.0	698.3	698.3	698.3
147.5°	729.4	728.4	727.4	726.3	727.4	728.4	729.4	730.5	730.8	730.5	730.1
150°	749.6	749.3	748.9	748.7	748.9	749.3	749.6	749.9	750.1	750.1	750.1
152.5°	768.8	768.3	767.7	767.1	767.7	768.3	768.8	769.4	769.5	769.1	768.7
155°	795.8	795.0	794.2	793.4	794.2	795.0	795.8	796.5	796.6	796.0	795.4
157.5°	818.5	817.5	816.4	815.4	816.4	817.5	818.5	819.5	819.7	819.1	818.5
160°	832.8	832.1	831.3	830.6	831.3	832.1	832.8	833.7	833.7	833.1	832.5
162.5°	846.1	845.2	844.3	843.4	844.3	845.2	846.1	847.1	847.1	846.3	845.6
165°	863.5	862.5	861.6	860.6	861.6	862.5	863.5	864.3	864.5	863.9	863.3
167.5°	877.2	876.3	875.3	874.3	875.3	876.3	877.2	878.2	878.2	877.3	876.4
170°	884.9	883.8	882.7	881.7	882.7	883.8	884.9	886.0	886.1	885.1	884.2
172.5°	890.7	889.7	888.7	887.8	888.7	889.7	890.7	891.6	891.6	890.7	889.8
175°	896.7	895.7	894.6	893.5	894.6	895.7	896.7	897.9	898.0	897.0	896.1
177.5°	899.5	898.6	897.8	896.8	897.8	898.6	899.5	900.3	900.4	899.7	898.9
180°	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1655.2	1662.3	1671.0	1677.5	1689.3	1694.6	1701.0	1706.4	1715.7	1724.6	1735.1
5°	1543.7	1556.1	1573.1	1591.4	1612.8	1627.4	1648.0	1660.5	1685.5	1708.3	1730.3
7.5°	1442.6	1457.8	1481.8	1505.3	1533.2	1558.5	1584.2	1612.8	1644.6	1682.2	1713.4
10°	1373.2	1393.8	1419.5	1448.9	1482.7	1512.1	1546.6	1577.4	1616.4	1660.5	1701.7
12.5°	1318.0	1335.6	1364.2	1392.5	1428.6	1464.4	1500.2	1541.1	1586.4	1635.2	1687.0
15°	1241.7	1256.4	1279.9	1318.8	1355.6	1390.8	1444.4	1482.7	1540.0	1594.4	1656.8
17.5°	1176.6	1194.9	1214.7	1248.0	1286.1	1330.1	1378.1	1426.0	1481.2	1550.1	1620.5
20°	1136.6	1151.3	1174.1	1199.9	1240.2	1284.3	1329.8	1378.4	1446.0	1517.2	1592.9
22.5°	1093.2	1109.0	1134.7	1162.8	1196.7	1239.1	1289.3	1342.5	1413.1	1483.1	1565.3
25°	1041.9	1052.9	1076.4	1101.4	1135.2	1171.2	1223.3	1282.1	1351.9	1432.0	1515.8
27.5°	993.5	1003.2	1024.6	1046.4	1076.9	1119.7	1166.3	1225.7	1291.5	1372.6	1465.5
30°	958.8	969.1	988.3	1011.7	1041.1	1078.6	1126.3	1182.2	1252.7	1332.1	1429.1
32.5°	928.9	937.9	952.3	975.9	1004.7	1040.9	1085.2	1142.2	1212.8	1293.3	1388.5
35°	882.4	892.7	903.7	922.1	947.1	982.3	1030.9	1084.5	1152.1	1229.9	1317.4
37.5°	836.3	847.4	857.2	873.7	896.5	927.7	969.6	1025.4	1086.6	1161.6	1245.5
40°	807.5	816.2	824.3	842.0	864.8	894.2	933.1	983.1	1047.7	1117.6	1187.3
42.5°	778.6	786.9	793.8	809.1	830.1	858.3	895.5	944.2	1004.3	1069.3	1130.9
45°	733.3	738.4	746.5	759.7	776.7	802.3	838.3	881.7	932.4	994.1	1040.4
47.5°	684.2	692.3	698.9	710.5	724.3	749.6	784.1	821.0	867.0	912.9	945.5
50°	646.6	654.7	664.2	675.2	688.4	712.0	743.6	781.0	819.9	855.3	883.2
52.5°	611.3	618.8	629.0	639.3	655.5	675.5	702.4	735.7	774.1	799.4	822.7
55°	559.1	562.8	574.6	584.8	600.3	615.0	642.2	671.6	695.0	714.2	733.3
57.5°	505.8	510.8	517.6	526.8	542.1	559.3	578.3	604.4	618.2	628.0	642.9
60°	471.7	473.2	477.6	488.6	500.4	515.8	537.8	556.2	566.5	574.6	587.0
62.5°	434.0	434.4	441.7	449.8	458.6	475.2	493.1	508.0	516.5	520.5	532.3
65°	381.4	379.8	384.3	390.9	401.1	412.2	427.6	440.8	440.1	444.5	451.9
67.5°	327.4	325.9	325.9	332.2	340.6	350.4	361.1	368.7	368.8	374.8	378.4
70°	291.0	286.5	289.5	294.6	298.3	306.4	318.1	321.1	321.8	324.7	328.4
72.5°	253.4	251.8	254.2	256.5	258.9	265.2	275.2	277.0	277.1	278.9	284.9
75°	201.3	199.8	198.4	200.6	203.5	207.9	211.6	214.5	213.8	214.5	219.0
77.5°	150.9	146.8	146.1	147.2	148.0	150.6	154.5	154.1	154.9	154.8	159.8
80°	119.8	113.9	113.1	113.1	113.9	115.4	116.8	118.3	116.1	118.3	119.8
82.5°	88.0	84.5	84.4	83.8	83.9	84.2	85.1	86.0	85.5	86.5	87.5
85°	48.4	47.0	44.9	46.3	45.5	43.4	44.9	42.6	41.8	42.6	43.4
87.5°	18.9	19.3	17.9	17.7	16.9	17.2	15.8	15.0	14.1	14.5	16.0
90°	12.0	11.2	10.1	9.0	7.9	6.9	5.7	4.4	3.2	2.0	0.7
92.5°	27.9	26.9	25.5	24.2	22.9	21.5	20.5	19.5	18.7	17.8	17.0
95°	55.0	53.9	52.3	50.8	49.2	47.7	46.8	46.4	46.1	45.8	45.5
97.5°	86.8	85.8	83.6	81.5	79.4	77.2	76.1	76.0	75.8	75.7	75.6
100°	108.5	107.1	105.0	103.0	100.9	99.0	97.9	97.9	97.9	97.9	97.9
102.5°	131.0	129.4	128.4	127.4	126.4	125.4	124.5	123.9	123.3	122.6	122.1
105°	168.1	167.2	166.3	165.3	164.5	163.5	162.7	161.8	161.1	160.3	159.6
107.5°	208.1	207.6	207.0	206.2	205.6	204.8	204.1	203.3	202.6	201.7	201.0
110°	235.5	235.1	234.6	234.1	233.7	233.2	232.6	231.9	231.0	230.3	229.5



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	263.3	263.1	262.5	261.9	261.3	260.7	260.2	259.9	259.4	259.0	258.6
115°	305.6	305.8	305.5	305.1	304.8	304.5	304.1	303.4	302.8	302.2	301.6
117.5°	347.3	347.2	346.9	346.7	346.4	346.1	345.8	345.5	345.3	345.0	344.7
120°	375.7	375.7	375.6	375.4	375.2	375.1	374.7	373.9	373.1	372.3	371.6
122.5°	403.6	403.7	403.3	402.9	402.5	402.1	401.8	401.5	401.2	401.0	400.7
125°	444.7	445.0	444.9	444.7	444.5	444.4	443.8	442.9	442.0	441.0	440.1
127.5°	485.1	485.3	485.1	484.9	484.7	484.6	484.2	483.7	483.1	482.6	482.1
130°	512.0	512.2	511.9	511.5	511.2	511.0	510.4	509.6	508.9	508.0	507.3
132.5°	537.8	537.9	538.0	538.0	538.1	538.2	537.5	536.3	535.0	533.8	532.4
135°	577.2	577.2	577.1	576.9	576.7	576.6	576.1	575.1	574.2	573.3	572.3
137.5°	615.7	615.5	615.1	614.7	614.4	614.1	613.5	612.6	611.6	610.8	609.8
140°	639.8	639.5	639.0	638.6	638.1	637.6	637.1	636.2	635.5	634.7	634.0
142.5°	663.7	663.5	663.0	662.4	661.9	661.2	660.6	660.0	659.3	658.6	658.0
145°	698.3	698.3	697.9	697.4	696.9	696.4	695.9	695.2	694.7	694.0	693.4
147.5°	729.7	729.3	729.0	728.6	728.2	727.8	727.5	727.2	726.8	726.5	726.1
150°	750.1	750.1	749.4	748.9	748.2	747.6	747.3	747.5	747.6	747.8	748.0
152.5°	768.4	768.0	767.7	767.5	767.2	766.9	766.8	766.6	766.3	766.1	765.9
155°	794.8	794.2	794.0	793.8	793.7	793.5	793.4	793.4	793.4	793.4	793.4
157.5°	817.8	817.3	817.1	816.9	816.8	816.6	816.7	817.1	817.4	817.7	818.1
160°	831.9	831.2	831.0	830.9	830.8	830.6	830.8	831.2	831.7	832.2	832.6
162.5°	844.9	844.1	844.0	844.0	844.0	844.0	844.1	844.5	844.8	845.2	845.6
165°	862.6	862.0	861.9	861.7	861.6	861.4	861.5	861.8	862.1	862.4	862.7
167.5°	875.4	874.5	874.5	874.5	874.5	874.5	874.8	875.4	876.0	876.7	877.3
170°	883.3	882.3	882.3	882.3	882.3	882.3	882.6	883.3	883.8	884.5	885.1
172.5°	888.8	887.9	887.9	887.9	887.9	887.9	888.3	888.8	889.5	890.0	890.7
175°	895.1	894.2	894.2	894.2	894.2	894.2	894.5	895.1	895.8	896.4	897.0
177.5°	898.1	897.4	897.6	897.7	897.8	898.0	898.2	898.7	899.2	899.8	900.2
180°	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1740.4	1748.7	1754.0	1764.0	1772.2	1776.9	1781.0	1784.5	1788.7	1792.2	1802.1
5°	1751.6	1770.7	1786.9	1811.8	1834.7	1852.3	1871.3	1888.3	1902.2	1922.0	1937.5
7.5°	1746.7	1780.7	1816.3	1854.9	1894.4	1931.2	1965.0	1996.6	2025.2	2059.9	2090.3
10°	1742.0	1788.4	1833.9	1886.0	1939.7	1985.3	2027.9	2071.2	2102.8	2146.9	2184.3
12.5°	1738.5	1793.0	1848.0	1910.7	1969.6	2034.0	2090.7	2122.3	2170.4	2205.6	2250.2
15°	1723.7	1795.7	1871.3	1941.9	2025.6	2085.2	2135.1	2196.9	2241.6	2286.5	2335.0
17.5°	1697.0	1778.7	1863.3	1955.7	2036.1	2100.0	2164.4	2223.9	2277.4	2337.5	2397.8
20°	1684.7	1766.3	1863.3	1958.0	2036.6	2103.6	2169.6	2235.1	2293.9	2371.0	2440.8
22.5°	1658.9	1757.5	1846.8	1939.3	2020.2	2092.9	2167.9	2242.1	2320.3	2407.4	2494.8
25°	1612.8	1712.7	1807.4	1898.6	1980.1	2071.2	2151.3	2250.5	2350.4	2465.8	2574.5
27.5°	1564.8	1660.5	1747.4	1835.3	1930.4	2033.6	2137.5	2250.0	2380.9	2526.5	2679.8
30°	1526.1	1616.4	1700.9	1791.3	1890.5	2006.6	2120.4	2254.2	2405.6	2569.4	2751.6
32.5°	1480.7	1564.1	1646.2	1741.9	1849.9	1972.5	2105.2	2251.8	2433.7	2619.9	2807.5
35°	1403.4	1473.1	1557.6	1659.7	1781.7	1922.0	2075.7	2249.0	2457.7	2671.4	2829.4
37.5°	1311.5	1376.5	1465.5	1577.4	1705.3	1856.0	2038.2	2243.9	2465.5	2635.9	2686.9
40°	1249.8	1310.0	1402.6	1518.7	1649.4	1808.9	2008.7	2226.3	2440.8	2549.5	2507.6
42.5°	1183.9	1247.2	1337.4	1452.3	1593.1	1766.6	1971.7	2189.2	2369.1	2410.2	2265.5
45°	1080.1	1145.5	1234.4	1350.5	1501.8	1689.9	1903.7	2101.3	2204.9	2130.7	1906.7
47.5°	983.5	1044.8	1127.2	1247.0	1403.2	1597.7	1803.6	1961.3	1969.5	1792.4	1553.1
50°	917.7	974.2	1057.2	1177.0	1332.1	1529.0	1714.9	1839.0	1783.2	1582.6	1352.6
52.5°	853.0	908.4	990.2	1108.9	1262.2	1442.6	1615.5	1702.7	1597.4	1391.6	1195.1
55°	759.7	808.2	888.3	997.8	1143.2	1310.8	1457.7	1487.8	1351.1	1148.4	988.9
57.5°	668.6	713.9	786.7	887.6	1020.6	1168.9	1283.8	1277.4	1132.9	958.9	832.5
60°	606.9	651.0	715.7	814.1	935.3	1063.2	1161.6	1138.1	994.9	845.0	738.4
62.5°	551.7	591.0	652.1	738.3	848.9	967.3	1048.2	1013.5	873.2	742.1	657.9
65°	470.2	503.3	555.4	629.0	720.8	818.5	880.9	836.1	716.3	614.3	546.7
67.5°	392.5	419.0	462.7	521.3	599.6	678.2	716.2	671.1	575.3	500.8	450.7
70°	343.1	366.6	400.4	452.6	520.9	587.0	615.7	575.3	493.0	429.0	393.0
72.5°	293.8	313.1	342.8	389.7	444.5	501.8	527.0	488.3	420.8	366.7	333.1
75°	227.1	240.3	260.8	293.1	336.5	382.1	396.1	362.2	318.9	278.4	256.5
77.5°	162.5	173.7	189.3	209.7	240.4	269.4	281.5	262.0	228.5	202.9	184.8
80°	124.9	130.8	144.0	160.9	185.1	203.5	211.6	199.2	175.6	156.5	142.5
82.5°	89.1	94.9	102.8	116.8	132.2	144.8	153.4	145.1	128.0	113.0	104.9
85°	43.4	47.0	51.5	57.3	69.1	76.4	75.7	70.5	63.9	58.1	53.6
87.5°	15.6	16.5	18.5	21.7	23.7	26.3	27.7	26.7	24.6	23.0	21.4
90°	2.0	3.2	4.4	5.7	6.9	7.9	9.0	10.1	11.2	12.0	12.7
92.5°	17.8	18.7	19.5	20.5	21.5	22.9	24.2	25.5	26.9	27.9	28.9
95°	45.8	46.1	46.4	46.8	47.7	49.2	50.8	52.3	53.9	55.0	56.1
97.5°	75.7	75.8	76.0	76.1	77.2	79.4	81.5	83.6	85.8	86.8	87.8
100°	97.9	97.9	97.9	97.9	99.0	100.9	103.0	105.0	107.1	108.5	109.8
102.5°	122.6	123.3	123.9	124.5	125.4	126.4	127.4	128.4	129.4	131.0	132.5
105°	160.3	161.1	161.8	162.7	163.5	164.5	165.3	166.3	167.2	168.1	169.1
107.5°	201.7	202.6	203.3	204.1	204.8	205.6	206.2	207.0	207.6	208.1	208.6
110°	230.3	231.0	231.9	232.6	233.2	233.7	234.1	234.6	235.1	235.5	236.0



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	259.0	259.4	259.9	260.2	260.7	261.3	261.9	262.5	263.1	263.3	263.5
115°	302.2	302.8	303.4	304.1	304.5	304.8	305.1	305.5	305.8	305.6	305.5
117.5°	345.0	345.3	345.5	345.8	346.1	346.4	346.7	346.9	347.2	347.3	347.4
120°	372.3	373.1	373.9	374.7	375.1	375.2	375.4	375.6	375.7	375.7	375.7
122.5°	401.0	401.2	401.5	401.8	402.1	402.5	402.9	403.3	403.7	403.6	403.5
125°	441.0	442.0	442.9	443.8	444.4	444.5	444.7	444.9	445.0	444.7	444.4
127.5°	482.6	483.1	483.7	484.2	484.6	484.7	484.9	485.1	485.3	485.1	485.0
130°	508.0	508.9	509.6	510.4	511.0	511.2	511.5	511.9	512.2	512.0	511.9
132.5°	533.8	535.0	536.3	537.5	538.2	538.1	538.0	538.0	537.9	537.8	537.6
135°	573.3	574.2	575.1	576.1	576.6	576.7	576.9	577.1	577.2	577.2	577.2
137.5°	610.8	611.6	612.6	613.5	614.1	614.4	614.7	615.1	615.5	615.7	615.9
140°	634.7	635.5	636.2	637.1	637.6	638.1	638.6	639.0	639.5	639.8	640.2
142.5°	658.6	659.3	660.0	660.6	661.2	661.9	662.4	663.0	663.5	663.7	663.9
145°	694.0	694.7	695.2	695.9	696.4	696.9	697.4	697.9	698.3	698.3	698.3
147.5°	726.5	726.8	727.2	727.5	727.8	728.2	728.6	729.0	729.3	729.7	730.1
150°	747.8	747.6	747.5	747.3	747.6	748.2	748.9	749.4	750.1	750.1	750.1
152.5°	766.1	766.3	766.6	766.8	766.9	767.2	767.5	767.7	768.0	768.4	768.7
155°	793.4	793.4	793.4	793.4	793.5	793.7	793.8	794.0	794.2	794.8	795.4
157.5°	817.7	817.4	817.1	816.7	816.6	816.8	816.9	817.1	817.3	817.8	818.5
160°	832.2	831.7	831.2	830.8	830.6	830.8	830.9	831.0	831.2	831.9	832.5
162.5°	845.2	844.8	844.5	844.1	844.0	844.0	844.0	844.0	844.1	844.9	845.6
165°	862.4	862.1	861.8	861.5	861.4	861.6	861.7	861.9	862.0	862.6	863.3
167.5°	876.7	876.0	875.4	874.8	874.5	874.5	874.5	874.5	874.5	875.4	876.4
170°	884.5	883.8	883.3	882.6	882.3	882.3	882.3	882.3	882.3	883.3	884.2
172.5°	890.0	889.5	888.8	888.3	887.9	887.9	887.9	887.9	887.9	888.8	889.8
175°	896.4	895.8	895.1	894.5	894.2	894.2	894.2	894.2	894.2	895.1	896.1
177.5°	899.8	899.2	898.7	898.2	898.0	897.8	897.7	897.6	897.4	898.1	898.9
180°	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1810.3	1815.1	1825.0	1821.6	1826.3	1828.6	1831.0
5°	1956.6	1980.1	1990.4	1989.0	2004.3	2000.6	1997.0
7.5°	2121.8	2146.5	2160.3	2177.5	2187.5	2188.2	2196.9
10°	2215.3	2247.6	2260.8	2279.2	2290.9	2297.5	2296.8
12.5°	2286.9	2312.2	2341.8	2350.9	2366.7	2375.1	2372.0
15°	2373.2	2413.6	2444.5	2459.8	2479.7	2485.6	2493.7
17.5°	2450.2	2504.4	2540.4	2588.3	2606.4	2617.4	2610.9
20°	2508.4	2579.6	2615.6	2673.0	2704.5	2721.5	2715.6
22.5°	2577.2	2654.3	2720.8	2770.5	2818.6	2841.4	2846.1
25°	2695.0	2800.8	2898.5	2963.9	3023.4	3037.3	3068.3
27.5°	2826.7	2951.4	3055.9	3124.7	3166.1	3181.6	3191.4
30°	2909.5	3033.7	3112.4	3156.4	3169.7	3168.2	3166.7
32.5°	2950.1	3027.8	3043.0	3030.7	3000.4	2974.8	2948.1
35°	2892.7	2834.6	2747.9	2636.2	2553.9	2470.9	2462.9
37.5°	2601.5	2415.9	2271.6	2110.4	2017.4	1960.0	1920.3
40°	2327.6	2116.8	1941.9	1806.0	1711.2	1673.8	1637.0
42.5°	2030.2	1828.7	1673.9	1560.3	1489.0	1447.5	1418.3
45°	1649.4	1471.7	1350.5	1268.2	1211.5	1179.2	1160.8
47.5°	1351.6	1220.1	1117.1	1057.7	1018.6	993.5	993.6
50°	1191.8	1066.1	997.8	950.7	916.9	897.1	900.8
52.5°	1050.1	956.2	897.9	858.5	833.5	821.2	820.9
55°	878.0	810.4	772.2	743.6	726.6	712.7	715.7
57.5°	751.0	694.0	668.5	644.7	632.9	627.4	619.3
60°	672.3	628.2	606.1	587.0	575.3	570.9	562.8
62.5°	602.4	567.7	546.2	530.7	520.0	518.6	512.3
65°	506.2	479.8	460.7	453.4	442.3	439.4	439.4
67.5°	417.4	398.4	383.5	376.7	371.9	372.7	369.1
70°	361.5	346.1	336.5	329.1	325.5	326.2	323.3
72.5°	316.2	299.1	290.7	286.3	281.4	283.3	282.1
75°	239.5	230.7	226.3	221.9	219.0	217.4	216.0
77.5°	175.9	168.1	164.8	162.2	162.7	159.1	161.9
80°	135.9	129.3	127.1	123.5	122.7	122.7	122.0
82.5°	99.4	95.8	94.2	91.1	89.8	91.0	89.1
85°	51.5	48.4	47.8	47.8	46.3	44.9	48.4
87.5°	21.5	19.3	19.4	18.9	19.0	18.6	17.4
90°	13.6	14.3	14.9	15.4	15.8	16.3	16.8
92.5°	30.0	31.0	31.7	32.0	32.3	32.7	33.0
95°	57.1	58.2	58.9	59.3	59.6	59.9	60.1
97.5°	88.9	89.9	90.5	90.7	90.9	91.0	91.2
100°	111.2	112.6	113.5	113.9	114.1	114.4	114.7
102.5°	134.0	135.5	136.5	137.0	137.4	137.8	138.3
105°	170.0	171.0	171.6	172.1	172.6	173.1	173.5
107.5°	209.1	209.5	209.7	209.7	209.7	209.6	209.6
110°	236.5	237.0	237.1	237.0	236.8	236.7	236.5



TEST NUMBER: P333467-830

CATALOG NUMBER: S125DIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	263.7	263.9	263.9	263.6	263.3	263.1	262.8
115°	305.3	305.1	305.0	304.8	304.7	304.5	304.3
117.5°	347.5	347.7	347.4	346.9	346.2	345.5	345.0
120°	375.7	375.7	375.4	374.8	374.2	373.5	373.0
122.5°	403.3	403.2	402.9	402.4	401.9	401.4	401.0
125°	444.0	443.7	443.6	443.4	443.2	443.1	442.9
127.5°	484.8	484.7	484.5	484.2	483.8	483.5	483.2
130°	511.7	511.5	511.3	511.0	510.7	510.4	510.1
132.5°	537.4	537.3	537.0	536.6	536.1	535.7	535.3
135°	577.2	577.2	576.9	576.3	575.7	575.0	574.5
137.5°	616.0	616.2	615.9	615.1	614.3	613.6	612.7
140°	640.5	640.7	640.6	639.8	638.9	638.2	637.4
142.5°	664.1	664.3	664.0	663.3	662.5	661.7	660.9
145°	698.3	698.3	698.0	697.6	697.1	696.6	696.2
147.5°	730.5	730.8	730.5	729.4	728.4	727.4	726.3
150°	750.1	750.1	749.9	749.6	749.3	748.9	748.7
152.5°	769.1	769.5	769.4	768.8	768.3	767.7	767.1
155°	796.0	796.6	796.5	795.8	795.0	794.2	793.4
157.5°	819.1	819.7	819.5	818.5	817.5	816.4	815.4
160°	833.1	833.7	833.7	832.8	832.1	831.3	830.6
162.5°	846.3	847.1	847.1	846.1	845.2	844.3	843.4
165°	863.9	864.5	864.3	863.5	862.5	861.6	860.6
167.5°	877.3	878.2	878.2	877.2	876.3	875.3	874.3
170°	885.1	886.1	886.0	884.9	883.8	882.7	881.7
172.5°	890.7	891.6	891.6	890.7	889.7	888.7	887.8
175°	897.0	898.0	897.9	896.7	895.7	894.6	893.5
177.5°	899.7	900.4	900.3	899.5	898.6	897.8	896.8
180°	899.1	899.1	899.1	899.1	899.1	899.1	899.1

(END OF REPORT)