

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: P333725-830

Luminaire Tested: **S125RDIW-S1270D770U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333725-830
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: S125RDIW-S1270D770U830-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7147.9 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

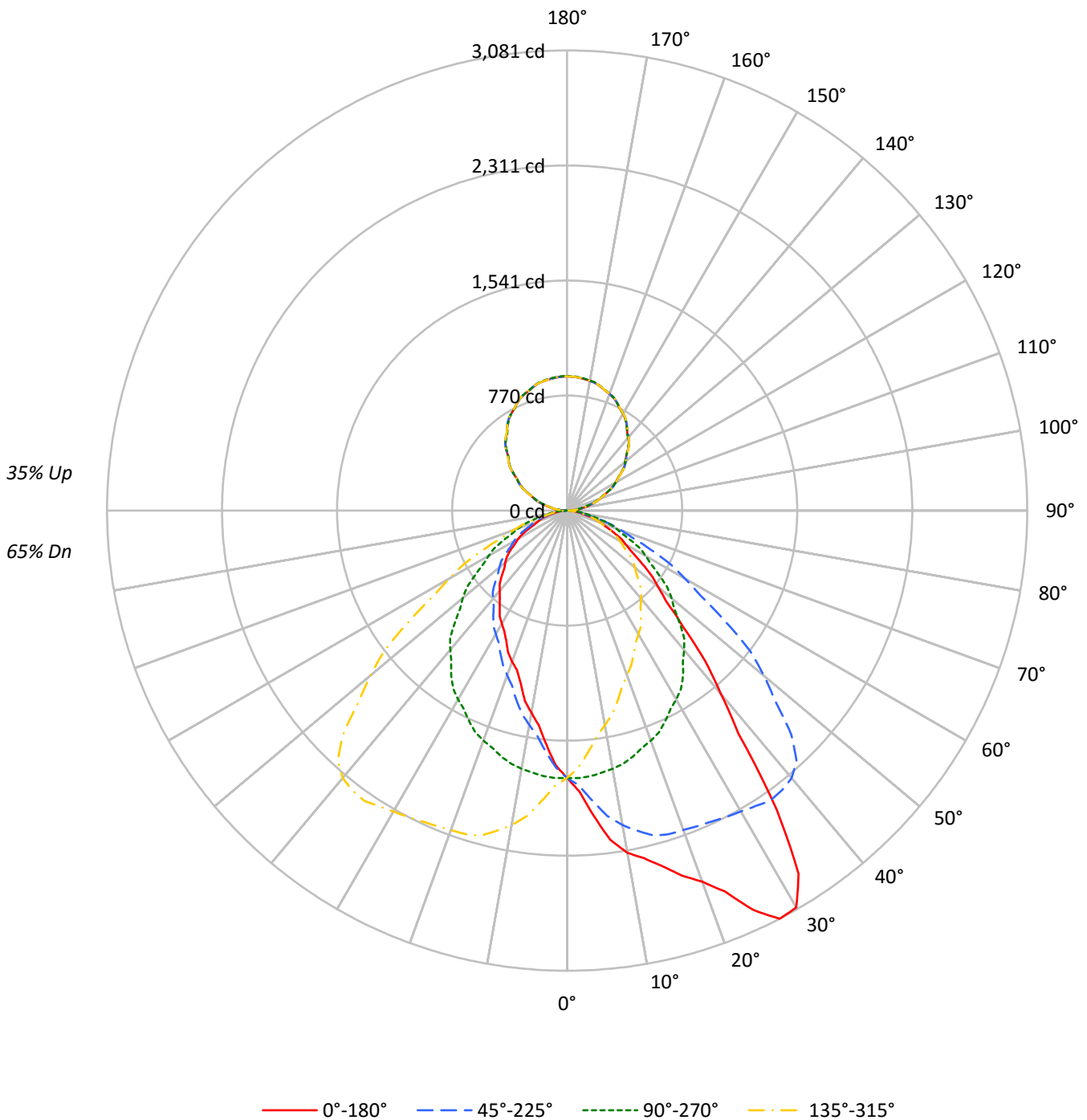
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	97	94	90	95	92	89	86	81	79	77	72	70	68	63	61	60	56
2	93	86	80	75	87	81	76	71	72	68	64	63	60	58	56	53	51	48
3	85	76	69	63	80	72	65	60	64	59	55	57	53	49	50	47	44	41
4	78	67	60	54	73	64	57	51	57	51	47	51	46	43	45	41	39	35
5	72	60	52	46	67	57	50	44	51	45	41	46	41	37	40	37	34	31
6	66	54	46	40	62	52	44	39	46	40	36	41	37	33	37	33	30	27
7	62	49	41	36	58	47	39	34	42	36	32	38	33	29	34	30	27	24
8	57	45	37	32	54	43	36	31	39	33	28	35	30	26	31	27	24	22
9	53	41	33	28	50	39	32	27	35	30	25	32	27	24	29	25	22	20
10	50	38	30	26	47	36	29	25	33	27	23	30	25	21	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11559	11559	11559	11559
5°	13299	11575	10222	11575
10°	15255	11516	9020	11516
15°	16477	11397	8017	11397
20°	18168	11260	7403	11260
25°	21026	11078	6869	11078
30°	22881	10887	6520	10887
35°	19301	10664	6199	10664
40°	13478	10264	5922	10264
45°	9999	9724	5650	9724
50°	7973	9161	5419	9161
55°	6767	8463	5212	8463
60°	5846	7839	4879	7839
65°	5210	7163	4199	7163
70°	4577	6562	3828	6562
75°	3960	5682	3593	5682
80°	3005	4783	3005	4783
85°	2505	3757	2831	3757



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.6	2.4
10°-20°	503.0	7.0
20°-30°	797.5	11.2
30°-40°	961.7	13.5
40°-50°	858.8	12.0
50°-60°	658.6	9.2
60°-70°	428.0	6.0
70°-80°	208.1	2.9
80°-90°	51.6	0.7
90°-100°	60.2	0.8
100°-110°	177.8	2.5
110°-120°	301.2	4.2
120°-130°	396.4	5.5
130°-140°	444.2	6.2
140°-150°	435.3	6.1
150°-160°	365.6	5.1
160°-170°	243.1	3.4
170°-180°	85.1	1.2
0°-30°	1472.1	20.6
0°-40°	2433.8	34.0
0°-60°	3951.3	55.3
0°-90°	4639.0	64.9
90°-120°	539.3	7.5
90°-150°	1815.1	25.4
90°-180°	2509.0	35.1
0°-180°	7147.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1790	1790	1790	1790	1790	
5°	2051	1785	1577	1785	2051	205
15°	2464	1705	1199	1705	2464	706
25°	2951	1555	964	1555	2951	1355
35°	2448	1353	786	1353	2448	1479
45°	1095	1065	619	1065	1095	874
55°	601	752	463	752	601	545
65°	341	469	275	469	341	339
75°	159	228	144	228	159	169
85°	34	51	38	51	34	39
90°	17	1	17	1	17	11
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1882.6	1881.5	1883.9	1877.4	1877.9	1867.9	1867.9	1860.3	1850.3	1842.7	1839.2
5°	2051.3	2052.9	2049.8	2038.8	2031.6	2020.5	2008.0	1985.9	1967.6	1949.9	1936.0
7.5°	2225.1	2226.1	2216.4	2213.0	2194.4	2180.9	2153.1	2123.2	2096.6	2062.8	2036.9
10°	2326.1	2325.4	2315.1	2307.1	2290.8	2270.3	2243.2	2207.8	2174.8	2138.1	2102.8
12.5°	2384.9	2383.0	2379.7	2369.9	2354.9	2336.8	2313.7	2279.0	2238.3	2198.0	2156.8
15°	2464.3	2459.1	2449.6	2437.0	2415.7	2394.4	2368.7	2337.9	2299.0	2253.4	2215.2
17.5°	2562.4	2562.6	2547.9	2530.5	2501.6	2464.0	2424.3	2374.5	2321.6	2271.4	2230.8
20°	2643.5	2641.3	2626.7	2592.8	2559.8	2512.7	2467.2	2406.2	2341.6	2276.1	2225.4
22.5°	2760.0	2754.2	2738.9	2694.5	2643.3	2582.7	2513.0	2438.5	2360.4	2286.1	2219.6
25°	2950.6	2946.2	2916.1	2864.7	2792.7	2699.3	2608.3	2506.1	2393.8	2296.0	2215.2
27.5°	3081.2	3076.3	3053.9	3011.2	2944.8	2846.6	2723.3	2586.8	2446.5	2312.1	2195.5
30°	3068.2	3079.2	3076.3	3056.5	3006.5	2918.3	2804.4	2650.9	2484.1	2326.1	2187.3
32.5°	2883.6	2893.5	2919.3	2958.3	2961.2	2925.9	2840.9	2699.1	2526.4	2346.7	2180.8
35°	2448.1	2461.4	2511.3	2589.9	2692.7	2778.7	2796.3	2720.0	2564.9	2371.7	2171.1
37.5°	1882.1	1954.4	1996.4	2079.2	2234.6	2392.7	2544.8	2600.8	2534.8	2361.4	2155.4
40°	1598.7	1616.4	1691.3	1784.6	1915.4	2080.0	2296.8	2453.2	2458.3	2337.9	2130.7
42.5°	1368.4	1390.7	1442.1	1516.6	1628.6	1793.2	2016.9	2223.5	2319.1	2273.2	2098.4
45°	1094.8	1111.6	1149.1	1206.5	1292.4	1428.3	1620.8	1859.5	2049.2	2123.4	2011.7
47.5°	899.3	908.4	941.0	984.7	1048.3	1147.4	1296.4	1503.6	1731.0	1890.5	1874.7
50°	793.5	803.8	828.8	861.9	915.5	999.2	1118.2	1290.9	1525.3	1720.0	1759.0
52.5°	711.2	719.7	735.3	766.6	810.9	875.2	971.3	1127.5	1338.4	1545.4	1635.5
55°	601.0	606.9	619.3	637.0	672.3	718.6	801.5	909.6	1080.1	1288.7	1421.0
57.5°	510.2	513.1	521.0	537.3	561.8	595.6	655.5	747.1	869.3	1057.2	1203.2
60°	452.6	455.5	465.8	476.8	496.0	526.8	573.8	637.7	755.3	910.3	1058.0
62.5°	406.7	408.5	412.9	424.0	440.7	464.5	501.5	553.6	647.1	783.3	922.8
65°	340.9	341.7	343.1	351.9	362.2	379.8	404.1	440.8	511.3	614.3	737.6
67.5°	277.8	278.7	283.9	287.0	297.7	307.0	321.2	349.3	399.0	468.3	564.3
70°	242.4	241.8	246.9	250.5	254.2	265.2	274.8	297.6	328.4	381.4	461.4
72.5°	209.5	207.6	209.8	211.1	216.0	223.5	233.1	247.0	270.8	307.3	368.5
75°	158.7	159.5	159.5	160.9	164.6	167.5	170.4	177.8	191.1	215.3	248.4
77.5°	111.4	110.2	113.3	113.8	115.9	119.1	121.7	124.6	130.1	140.1	157.1
80°	80.8	80.8	81.5	83.8	83.0	84.5	88.1	91.1	97.7	103.6	109.4
82.5°	62.0	61.5	62.1	62.6	62.5	63.9	65.2	65.8	68.3	71.3	75.4
85°	33.8	33.8	34.5	34.5	35.3	35.3	36.0	36.0	36.0	36.8	37.5
87.5°	16.3	15.6	14.9	14.8	15.4	16.4	15.6	14.9	14.7	14.6	15.0
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



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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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1839.2	1835.0	1827.4	1820.3	1811.6	1803.9	1798.6	1792.2	1784.0	1774.0	1765.7
5°	1920.5	1904.4	1883.1	1864.7	1841.3	1822.9	1803.7	1785.4	1767.0	1743.5	1723.0
7.5°	2010.8	1977.5	1944.9	1904.1	1867.1	1834.0	1802.2	1770.1	1738.6	1705.2	1673.1
10°	2066.1	2025.6	1980.8	1929.4	1882.4	1837.6	1796.4	1756.0	1713.4	1675.9	1635.5
12.5°	2117.8	2065.6	2014.3	1949.4	1892.9	1838.1	1785.8	1735.4	1689.9	1641.2	1597.9
15°	2164.5	2113.1	2055.8	1976.4	1897.8	1831.6	1769.9	1704.6	1647.9	1593.7	1545.1
17.5°	2182.6	2128.6	2062.1	1985.8	1899.9	1816.7	1737.2	1665.5	1598.9	1535.6	1481.0
20°	2175.5	2123.4	2055.0	1982.3	1890.5	1803.7	1717.8	1638.4	1564.2	1497.3	1439.4
22.5°	2158.5	2104.5	2038.5	1961.7	1874.5	1782.6	1690.7	1606.1	1528.3	1459.2	1395.8
25°	2132.9	2059.5	1991.9	1916.8	1833.9	1742.8	1647.9	1554.6	1471.7	1401.1	1332.1
27.5°	2106.3	2014.6	1928.6	1854.2	1766.4	1685.2	1593.7	1498.1	1410.8	1339.0	1268.1
30°	2082.2	1979.3	1884.5	1800.1	1717.0	1639.9	1553.2	1459.9	1370.3	1296.1	1224.1
32.5°	2052.2	1942.9	1838.7	1741.3	1661.2	1584.7	1506.2	1417.0	1329.7	1253.1	1180.0
35°	2014.6	1875.0	1761.9	1658.3	1569.3	1495.2	1424.7	1352.6	1265.2	1185.8	1114.6
37.5°	1965.2	1806.9	1675.9	1563.0	1469.3	1394.8	1339.1	1273.3	1193.4	1117.5	1051.4
40°	1935.2	1757.5	1614.2	1502.5	1404.0	1325.4	1273.3	1217.5	1144.7	1073.5	1007.3
42.5°	1895.3	1712.2	1551.9	1435.5	1336.4	1260.7	1208.1	1159.2	1098.3	1031.1	960.3
45°	1816.9	1624.5	1456.2	1331.3	1231.4	1157.2	1108.0	1064.6	1018.3	956.6	894.8
47.5°	1715.0	1533.0	1356.9	1220.5	1122.7	1053.8	1006.0	971.8	938.7	886.2	826.2
50°	1633.3	1457.7	1285.7	1153.5	1049.1	983.8	939.0	911.8	881.7	833.9	783.9
52.5°	1536.9	1380.1	1211.7	1076.5	978.1	916.8	873.7	846.6	821.7	782.8	735.2
55°	1385.0	1247.5	1093.3	970.5	880.2	818.5	777.3	751.6	737.0	703.9	666.4
57.5°	1209.7	1111.2	975.2	856.9	776.9	716.0	685.8	663.9	647.3	624.0	597.5
60°	1087.4	1018.3	896.4	783.9	710.5	652.4	625.3	606.9	591.4	571.7	551.0
62.5°	963.4	913.1	807.0	710.5	642.9	594.3	568.8	552.2	534.4	521.0	501.1
65°	797.2	752.3	678.9	603.2	540.7	501.8	483.4	468.7	457.7	443.0	429.0
67.5°	620.1	601.9	551.2	499.0	454.2	419.5	403.7	393.4	380.1	371.4	361.7
70°	511.3	502.6	466.6	432.1	390.1	366.6	351.9	347.5	331.4	322.5	315.9
72.5°	415.0	410.9	390.1	366.2	336.7	316.0	302.6	297.6	287.3	280.2	276.0
75°	284.4	285.8	282.1	266.7	255.7	242.4	230.7	227.7	220.5	214.5	210.8
77.5°	179.8	187.4	187.7	186.9	182.5	174.5	169.6	167.4	160.1	158.0	157.1
80°	123.5	131.5	138.8	138.1	136.7	134.5	130.8	128.6	124.9	122.7	121.2
82.5°	82.3	89.8	96.0	99.9	99.6	97.5	94.9	93.9	93.1	91.5	91.2
85°	38.9	40.4	42.6	47.8	51.5	52.1	51.5	50.7	48.4	49.2	50.0
87.5°	15.4	15.1	15.5	15.3	14.4	17.1	18.6	18.9	18.0	17.1	16.2
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: P333725-830

CATALOG NUMBER: S125RDIW-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: P333725-830

CATALOG NUMBER: S125RDIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1759.8	1751.6	1745.7	1733.9	1725.7	1722.2	1715.7	1713.9	1720.4	1715.7	1715.1
5°	1707.5	1686.2	1669.3	1652.4	1634.0	1622.3	1604.7	1601.7	1597.3	1590.6	1589.2
7.5°	1644.7	1617.0	1595.3	1567.4	1543.0	1523.5	1501.5	1491.0	1485.4	1476.8	1465.4
10°	1602.4	1569.3	1540.0	1512.0	1482.0	1457.7	1435.7	1418.7	1407.7	1397.4	1393.1
12.5°	1560.7	1527.0	1489.4	1455.7	1422.0	1394.8	1370.4	1359.4	1347.2	1335.1	1324.8
15°	1495.9	1451.0	1409.9	1371.0	1342.4	1313.0	1289.4	1273.3	1254.9	1249.8	1229.9
17.5°	1427.1	1383.2	1335.0	1294.0	1260.7	1228.4	1202.6	1184.2	1170.4	1151.5	1142.4
20°	1384.2	1332.1	1285.1	1247.5	1210.8	1172.6	1146.1	1130.8	1117.5	1102.1	1094.8
22.5°	1338.4	1287.4	1239.2	1195.2	1157.9	1120.3	1101.5	1085.5	1070.4	1056.2	1046.5
25°	1271.1	1219.7	1168.9	1123.4	1084.5	1057.2	1035.2	1016.8	1008.8	994.9	984.5
27.5°	1204.5	1149.8	1097.2	1051.8	1021.2	994.4	976.3	961.8	947.2	935.0	926.0
30°	1161.6	1105.8	1048.5	1012.5	980.1	954.4	934.5	920.6	909.6	898.5	891.9
32.5°	1118.7	1061.1	1010.2	971.3	940.8	918.5	898.1	884.8	873.2	860.9	853.2
35°	1049.9	991.2	950.0	911.8	881.7	861.1	847.2	828.0	818.5	809.6	801.5
37.5°	986.0	931.3	886.8	853.3	827.2	806.7	788.6	778.4	766.6	758.7	752.0
40°	939.0	889.0	848.6	813.3	794.3	771.5	754.6	741.3	732.5	722.3	714.9
42.5°	896.6	850.3	811.0	779.3	755.4	736.2	719.9	706.6	695.5	688.2	681.9
45°	836.9	790.6	752.3	722.9	701.0	682.6	665.6	659.0	644.3	635.6	632.6
47.5°	775.0	733.6	696.6	669.6	647.0	629.6	613.8	600.3	592.2	583.5	578.8
50°	733.3	693.6	659.0	632.6	610.6	591.4	576.7	568.0	556.9	548.8	543.0
52.5°	691.5	654.8	620.3	594.9	575.9	556.8	540.4	531.5	521.0	515.9	511.8
55°	631.9	593.0	563.5	538.6	518.7	501.1	485.7	476.8	470.2	465.1	463.6
57.5°	564.3	533.4	506.1	483.6	463.0	446.4	432.9	424.5	418.7	417.9	413.5
60°	520.2	492.3	467.3	443.0	425.4	410.0	398.2	388.7	382.8	382.0	380.6
62.5°	476.1	449.3	426.1	404.8	389.0	374.1	363.0	352.2	348.7	345.1	341.8
65°	410.7	386.4	367.4	350.4	333.6	321.0	310.1	303.4	295.4	291.0	282.9
67.5°	346.5	327.7	309.3	295.1	281.8	269.9	260.8	251.0	245.5	242.0	236.1
70°	304.2	289.5	271.1	255.7	245.4	235.8	228.5	217.4	213.8	210.8	207.9
72.5°	264.2	251.3	235.8	223.4	213.1	204.1	195.6	190.4	186.8	183.8	182.1
75°	207.9	195.5	182.2	173.4	166.1	158.7	154.3	150.6	149.1	148.5	145.4
77.5°	152.7	146.1	135.4	128.5	123.6	120.6	116.7	114.8	114.6	111.4	110.4
80°	116.8	113.1	104.3	101.4	97.7	94.8	92.6	88.9	85.2	83.8	81.5
82.5°	86.8	83.1	79.6	74.9	71.8	70.1	67.9	66.5	67.0	64.9	63.9
85°	46.3	42.6	41.2	40.4	38.9	40.4	39.7	38.9	38.2	37.5	38.2
87.5°	15.8	16.0	15.6	17.1	15.6	16.3	16.5	16.0	16.2	16.4	15.9
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: P333725-830

CATALOG NUMBER: S125RDIW-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: P333725-830

CATALOG NUMBER: S125RDIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1714.6	1708.1	1706.3	1708.6	1706.3	1708.1	1714.6	1715.1	1715.7	1720.4	1713.9
5°	1581.9	1574.5	1578.2	1576.7	1578.2	1574.5	1581.9	1589.2	1590.6	1597.3	1601.7
7.5°	1465.2	1456.0	1446.3	1449.4	1446.3	1456.0	1465.2	1465.4	1476.8	1485.4	1491.0
10°	1383.5	1376.1	1371.7	1375.4	1371.7	1376.1	1383.5	1393.1	1397.4	1407.7	1418.7
12.5°	1314.8	1310.3	1306.5	1304.9	1306.5	1310.3	1314.8	1324.8	1335.1	1347.2	1359.4
15°	1221.1	1212.3	1208.6	1199.1	1208.6	1212.3	1221.1	1229.9	1249.8	1254.9	1273.3
17.5°	1134.8	1131.9	1122.4	1118.2	1122.4	1131.9	1134.8	1142.4	1151.5	1170.4	1184.2
20°	1083.7	1080.8	1071.2	1077.1	1071.2	1080.8	1083.7	1094.8	1102.1	1117.5	1130.8
22.5°	1041.4	1034.9	1031.8	1030.1	1031.8	1034.9	1041.4	1046.5	1056.2	1070.4	1085.5
25°	981.6	972.0	968.4	963.9	968.4	972.0	981.6	984.5	994.9	1008.8	1016.8
27.5°	921.9	916.8	911.9	910.8	911.9	916.8	921.9	926.0	935.0	947.2	961.8
30°	883.2	878.0	874.3	874.3	874.3	878.0	883.2	891.9	898.5	909.6	920.6
32.5°	848.5	844.5	840.8	840.3	840.8	844.5	848.5	853.2	860.9	873.2	884.8
35°	798.0	792.0	790.6	786.2	790.6	792.0	798.0	801.5	809.6	818.5	828.0
37.5°	745.5	740.6	740.5	740.0	740.5	740.6	745.5	752.0	758.7	766.6	778.4
40°	711.9	708.2	707.6	702.4	707.6	708.2	711.9	714.9	722.3	732.5	741.3
42.5°	676.1	674.2	671.7	669.5	671.7	674.2	676.1	681.9	688.2	695.5	706.6
45°	627.5	622.3	622.3	618.6	622.3	622.3	627.5	632.6	635.6	644.3	659.0
47.5°	577.2	573.3	573.6	569.9	573.6	573.3	577.2	578.8	583.5	592.2	600.3
50°	543.7	541.5	540.7	539.3	540.7	541.5	543.7	543.0	548.8	556.9	568.0
52.5°	510.2	509.2	512.0	508.7	512.0	509.2	510.2	511.8	515.9	521.0	531.5
55°	465.1	462.9	467.3	462.9	467.3	462.9	465.1	463.6	465.1	470.2	476.8
57.5°	413.2	411.1	415.1	412.9	415.1	411.1	413.2	413.5	417.9	418.7	424.5
60°	379.1	374.8	376.9	377.7	376.9	374.8	379.1	380.6	382.0	382.8	388.7
62.5°	338.6	335.9	337.5	334.1	337.5	335.9	338.6	341.8	345.1	348.7	352.2
65°	281.4	279.2	276.3	274.8	276.3	279.2	281.4	282.9	291.0	295.4	303.4
67.5°	236.4	231.1	231.0	232.1	231.0	231.1	236.4	236.1	242.0	245.5	251.0
70°	203.5	203.5	202.7	202.7	202.7	203.5	203.5	207.9	210.8	213.8	217.4
72.5°	180.6	180.0	178.7	178.1	178.7	180.0	180.6	182.1	183.8	186.8	190.4
75°	145.4	146.2	144.8	144.0	144.8	146.2	145.4	145.4	148.5	149.1	150.6
77.5°	107.4	104.3	105.9	104.3	105.9	104.3	107.4	110.4	111.4	114.6	114.8
80°	81.5	80.8	83.0	80.8	83.0	80.8	81.5	81.5	83.8	85.2	88.9
82.5°	64.5	63.8	64.8	63.2	64.8	63.8	64.5	63.9	64.9	67.0	66.5
85°	38.9	38.2	37.5	38.2	37.5	38.2	38.9	38.2	37.5	38.2	38.9
87.5°	16.6	16.1	16.2	16.3	16.2	16.1	16.6	15.9	16.4	16.2	16.0
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: P333725-830

CATALOG NUMBER: S125RDIW-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: P333725-830

CATALOG NUMBER: S125RDIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1715.7	1722.2	1725.7	1733.9	1745.7	1751.6	1759.8	1765.7	1774.0	1784.0	1792.2
5°	1604.7	1622.3	1634.0	1652.4	1669.3	1686.2	1707.5	1723.0	1743.5	1767.0	1785.4
7.5°	1501.5	1523.5	1543.0	1567.4	1595.3	1617.0	1644.7	1673.1	1705.2	1738.6	1770.1
10°	1435.7	1457.7	1482.0	1512.0	1540.0	1569.3	1602.4	1635.5	1675.9	1713.4	1756.0
12.5°	1370.4	1394.8	1422.0	1455.7	1489.4	1527.0	1560.7	1597.9	1641.2	1689.9	1735.4
15°	1289.4	1313.0	1342.4	1371.0	1409.9	1451.0	1495.9	1545.1	1593.7	1647.9	1704.6
17.5°	1202.6	1228.4	1260.7	1294.0	1335.0	1383.2	1427.1	1481.0	1535.6	1598.9	1665.5
20°	1146.1	1172.6	1210.8	1247.5	1285.1	1332.1	1384.2	1439.4	1497.3	1564.2	1638.4
22.5°	1101.5	1120.3	1157.9	1195.2	1239.2	1287.4	1338.4	1395.8	1459.2	1528.3	1606.1
25°	1035.2	1057.2	1084.5	1123.4	1168.9	1219.7	1271.1	1332.1	1401.1	1471.7	1554.6
27.5°	976.3	994.4	1021.2	1051.8	1097.2	1149.8	1204.5	1268.1	1339.0	1410.8	1498.1
30°	934.5	954.4	980.1	1012.5	1048.5	1105.8	1161.6	1224.1	1296.1	1370.3	1459.9
32.5°	898.1	918.5	940.8	971.3	1010.2	1061.1	1118.7	1180.0	1253.1	1329.7	1417.0
35°	847.2	861.1	881.7	911.8	950.0	991.2	1049.9	1114.6	1185.8	1265.2	1352.6
37.5°	788.6	806.7	827.2	853.3	886.8	931.3	986.0	1051.4	1117.5	1193.4	1273.3
40°	754.6	771.5	794.3	813.3	848.6	889.0	939.0	1007.3	1073.5	1144.7	1217.5
42.5°	719.9	736.2	755.4	779.3	811.0	850.3	896.6	960.3	1031.1	1098.3	1159.2
45°	665.6	682.6	701.0	722.9	752.3	790.6	836.9	894.8	956.6	1018.3	1064.6
47.5°	613.8	629.6	647.0	669.6	696.6	733.6	775.0	826.2	886.2	938.7	971.8
50°	576.7	591.4	610.6	632.6	659.0	693.6	733.3	783.9	833.9	881.7	911.8
52.5°	540.4	556.8	575.9	594.9	620.3	654.8	691.5	735.2	782.8	821.7	846.6
55°	485.7	501.1	518.7	538.6	563.5	593.0	631.9	666.4	703.9	737.0	751.6
57.5°	432.9	446.4	463.0	483.6	506.1	533.4	564.3	597.5	624.0	647.3	663.9
60°	398.2	410.0	425.4	443.0	467.3	492.3	520.2	551.0	571.7	591.4	606.9
62.5°	363.0	374.1	389.0	404.8	426.1	449.3	476.1	501.1	521.0	534.4	552.2
65°	310.1	321.0	333.6	350.4	367.4	386.4	410.7	429.0	443.0	457.7	468.7
67.5°	260.8	269.9	281.8	295.1	309.3	327.7	346.5	361.7	371.4	380.1	393.4
70°	228.5	235.8	245.4	255.7	271.1	289.5	304.2	315.9	322.5	331.4	347.5
72.5°	195.6	204.1	213.1	223.4	235.8	251.3	264.2	276.0	280.2	287.3	297.6
75°	154.3	158.7	166.1	173.4	182.2	195.5	207.9	210.8	214.5	220.5	227.7
77.5°	116.7	120.6	123.6	128.5	135.4	146.1	152.7	157.1	158.0	160.1	167.4
80°	92.6	94.8	97.7	101.4	104.3	113.1	116.8	121.2	122.7	124.9	128.6
82.5°	67.9	70.1	71.8	74.9	79.6	83.1	86.8	91.2	91.5	93.1	93.9
85°	39.7	40.4	38.9	40.4	41.2	42.6	46.3	50.0	49.2	48.4	50.7
87.5°	16.5	16.3	15.6	17.1	15.6	16.0	15.8	16.2	17.1	18.0	18.9
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: P333725-830

CATALOG NUMBER: S125RDIW-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: P333725-830

CATALOG NUMBER: S125RDIW-S1270D770U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1798.6	1803.9	1811.6	1820.3	1827.4	1835.0	1839.2	1839.2	1842.7	1850.3	1860.3
5°	1803.7	1822.9	1841.3	1864.7	1883.1	1904.4	1920.5	1936.0	1949.9	1967.6	1985.9
7.5°	1802.2	1834.0	1867.1	1904.1	1944.9	1977.5	2010.8	2036.9	2062.8	2096.6	2123.2
10°	1796.4	1837.6	1882.4	1929.4	1980.8	2025.6	2066.1	2102.8	2138.1	2174.8	2207.8
12.5°	1785.8	1838.1	1892.9	1949.4	2014.3	2065.6	2117.8	2156.8	2198.0	2238.3	2279.0
15°	1769.9	1831.6	1897.8	1976.4	2055.8	2113.1	2164.5	2215.2	2253.4	2299.0	2337.9
17.5°	1737.2	1816.7	1899.9	1985.8	2062.1	2128.6	2182.6	2230.8	2271.4	2321.6	2374.5
20°	1717.8	1803.7	1890.5	1982.3	2055.0	2123.4	2175.5	2225.4	2276.1	2341.6	2406.2
22.5°	1690.7	1782.6	1874.5	1961.7	2038.5	2104.5	2158.5	2219.6	2286.1	2360.4	2438.5
25°	1647.9	1742.8	1833.9	1916.8	1991.9	2059.5	2132.9	2215.2	2296.0	2393.8	2506.1
27.5°	1593.7	1685.2	1766.4	1854.2	1928.6	2014.6	2106.3	2195.5	2312.1	2446.5	2586.8
30°	1553.2	1639.9	1717.0	1800.1	1884.5	1979.3	2082.2	2187.3	2326.1	2484.1	2650.9
32.5°	1506.2	1584.7	1661.2	1741.3	1838.7	1942.9	2052.2	2180.8	2346.7	2526.4	2699.1
35°	1424.7	1495.2	1569.3	1658.3	1761.9	1875.0	2014.6	2171.1	2371.7	2564.9	2720.0
37.5°	1339.1	1394.8	1469.3	1563.0	1675.9	1806.9	1965.2	2155.4	2361.4	2534.8	2600.8
40°	1273.3	1325.4	1404.0	1502.5	1614.2	1757.5	1935.2	2130.7	2337.9	2458.3	2453.2
42.5°	1208.1	1260.7	1336.4	1435.5	1551.9	1712.2	1895.3	2098.4	2273.2	2319.1	2223.5
45°	1108.0	1157.2	1231.4	1331.3	1456.2	1624.5	1816.9	2011.7	2123.4	2049.2	1859.5
47.5°	1006.0	1053.8	1122.7	1220.5	1356.9	1533.0	1715.0	1874.7	1890.5	1731.0	1503.6
50°	939.0	983.8	1049.1	1153.5	1285.7	1457.7	1633.3	1759.0	1720.0	1525.3	1290.9
52.5°	873.7	916.8	978.1	1076.5	1211.7	1380.1	1536.9	1635.5	1545.4	1338.4	1127.5
55°	777.3	818.5	880.2	970.5	1093.3	1247.5	1385.0	1421.0	1288.7	1080.1	909.6
57.5°	685.8	716.0	776.9	856.9	975.2	1111.2	1209.7	1203.2	1057.2	869.3	747.1
60°	625.3	652.4	710.5	783.9	896.4	1018.3	1087.4	1058.0	910.3	755.3	637.7
62.5°	568.8	594.3	642.9	710.5	807.0	913.1	963.4	922.8	783.3	647.1	553.6
65°	483.4	501.8	540.7	603.2	678.9	752.3	797.2	737.6	614.3	511.3	440.8
67.5°	403.7	419.5	454.2	499.0	551.2	601.9	620.1	564.3	468.3	399.0	349.3
70°	351.9	366.6	390.1	432.1	466.6	502.6	511.3	461.4	381.4	328.4	297.6
72.5°	302.6	316.0	336.7	366.2	390.1	410.9	415.0	368.5	307.3	270.8	247.0
75°	230.7	242.4	255.7	266.7	282.1	285.8	284.4	248.4	215.3	191.1	177.8
77.5°	169.6	174.5	182.5	186.9	187.7	187.4	179.8	157.1	140.1	130.1	124.6
80°	130.8	134.5	136.7	138.1	138.8	131.5	123.5	109.4	103.6	97.7	91.1
82.5°	94.9	97.5	99.6	99.9	96.0	89.8	82.3	75.4	71.3	68.3	65.8
85°	51.5	52.1	51.5	47.8	42.6	40.4	38.9	37.5	36.8	36.0	36.0
87.5°	18.6	17.1	14.4	15.3	15.5	15.1	15.4	15.0	14.6	14.7	14.9
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



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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



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1867.9	1867.9	1877.9	1877.4	1883.9	1881.5	1882.6
5°	2008.0	2020.5	2031.6	2038.8	2049.8	2052.9	2051.3
7.5°	2153.1	2180.9	2194.4	2213.0	2216.4	2226.1	2225.1
10°	2243.2	2270.3	2290.8	2307.1	2315.1	2325.4	2326.1
12.5°	2313.7	2336.8	2354.9	2369.9	2379.7	2383.0	2384.9
15°	2368.7	2394.4	2415.7	2437.0	2449.6	2459.1	2464.3
17.5°	2424.3	2464.0	2501.6	2530.5	2547.9	2562.6	2562.4
20°	2467.2	2512.7	2559.8	2592.8	2626.7	2641.3	2643.5
22.5°	2513.0	2582.7	2643.3	2694.5	2738.9	2754.2	2760.0
25°	2608.3	2699.3	2792.7	2864.7	2916.1	2946.2	2950.6
27.5°	2723.3	2846.6	2944.8	3011.2	3053.9	3076.3	3081.2
30°	2804.4	2918.3	3006.5	3056.5	3076.3	3079.2	3068.2
32.5°	2840.9	2925.9	2961.2	2958.3	2919.3	2893.5	2883.6
35°	2796.3	2778.7	2692.7	2589.9	2511.3	2461.4	2448.1
37.5°	2544.8	2392.7	2234.6	2079.2	1996.4	1954.4	1882.1
40°	2296.8	2080.0	1915.4	1784.6	1691.3	1616.4	1598.7
42.5°	2016.9	1793.2	1628.6	1516.6	1442.1	1390.7	1368.4
45°	1620.8	1428.3	1292.4	1206.5	1149.1	1111.6	1094.8
47.5°	1296.4	1147.4	1048.3	984.7	941.0	908.4	899.3
50°	1118.2	999.2	915.5	861.9	828.8	803.8	793.5
52.5°	971.3	875.2	810.9	766.6	735.3	719.7	711.2
55°	801.5	718.6	672.3	637.0	619.3	606.9	601.0
57.5°	655.5	595.6	561.8	537.3	521.0	513.1	510.2
60°	573.8	526.8	496.0	476.8	465.8	455.5	452.6
62.5°	501.5	464.5	440.7	424.0	412.9	408.5	406.7
65°	404.1	379.8	362.2	351.9	343.1	341.7	340.9
67.5°	321.2	307.0	297.7	287.0	283.9	278.7	277.8
70°	274.8	265.2	254.2	250.5	246.9	241.8	242.4
72.5°	233.1	223.5	216.0	211.1	209.8	207.6	209.5
75°	170.4	167.5	164.6	160.9	159.5	159.5	158.7
77.5°	121.7	119.1	115.9	113.8	113.3	110.2	111.4
80°	88.1	84.5	83.0	83.8	81.5	80.8	80.8
82.5°	65.2	63.9	62.5	62.6	62.1	61.5	62.0
85°	36.0	35.3	35.3	34.5	34.5	33.8	33.8
87.5°	15.6	16.4	15.4	14.8	14.9	15.6	16.3
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



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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)