

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: P333724-930

Luminaire Tested: **S125RDIW-S1270D770U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333724-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S1270D770U930-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 770 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6515.3 lumens  
Efficiency: N/A  
Efficacy: 109.0 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

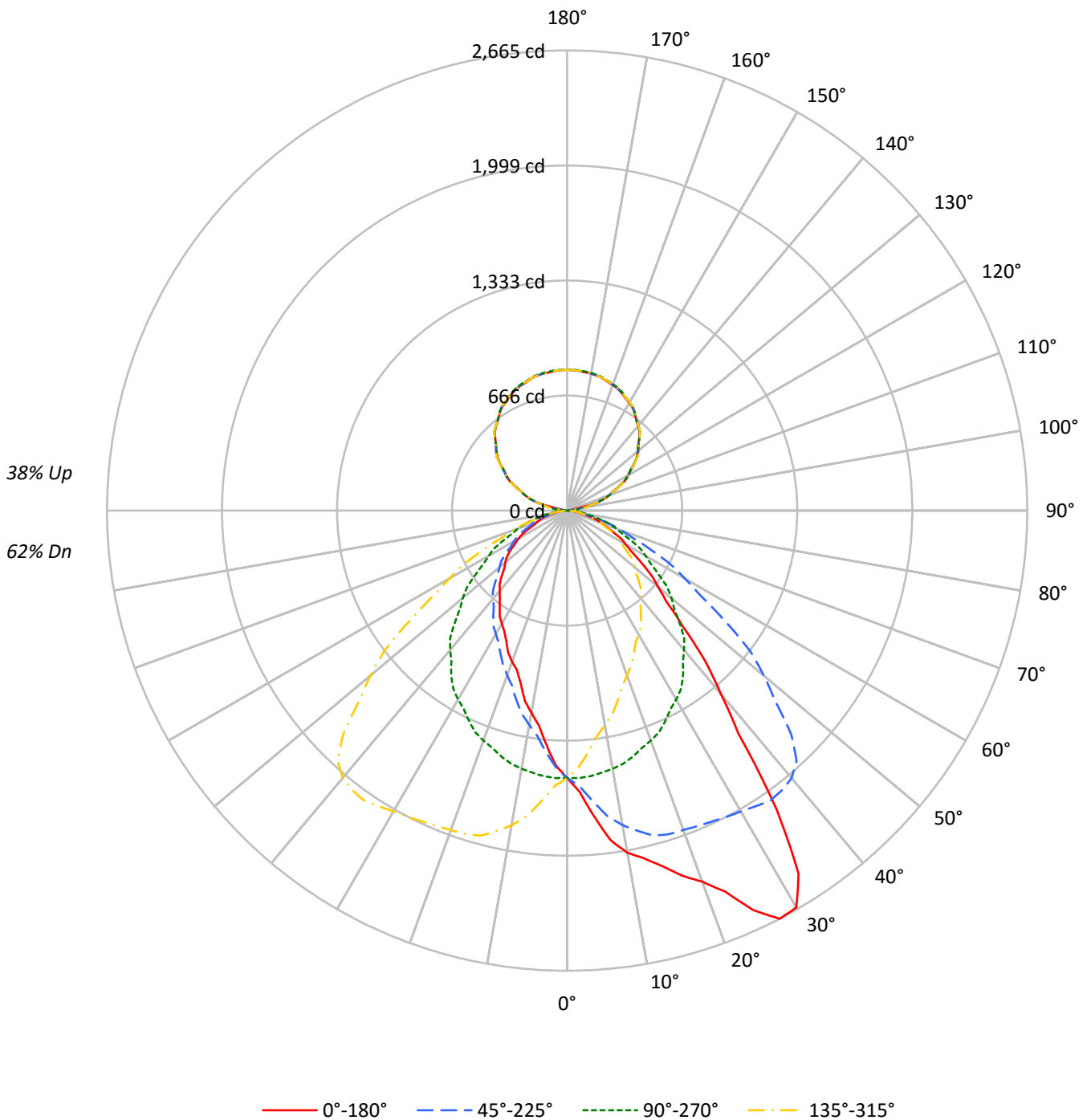
Input Watts (W): 59.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	97	93	90	94	91	88	85	80	77	75	69	68	66	60	59	57	53
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	45
3	85	75	68	62	79	71	64	59	62	57	53	55	51	48	48	45	42	39
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	43	40	37	34
5	71	60	52	46	67	56	49	44	50	44	40	44	40	36	39	35	32	29
6	66	54	46	40	62	51	44	38	45	39	35	40	35	32	35	31	29	26
7	61	49	41	35	57	46	39	34	41	35	31	37	32	28	32	28	25	23
8	57	44	37	31	53	42	35	30	38	32	28	33	29	25	30	26	23	21
9	53	41	33	28	50	38	32	27	35	29	25	31	26	23	27	24	21	19
10	49	37	30	25	46	35	29	24	32	26	22	29	24	21	25	22	19	17

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9999	9999	9999	9999
5°	11503	10012	8842	10012
10°	13195	9961	7802	9961
15°	14252	9859	6935	9859
20°	15716	9740	6403	9740
25°	18188	9583	5942	9583
30°	19792	9417	5640	9417
35°	16696	9224	5361	9224
40°	11659	8878	5123	8878
45°	8649	8411	4887	8411
50°	6897	7924	4687	7924
55°	5853	7320	4508	7320
60°	5057	6781	4220	6781
65°	4507	6195	3632	6195
70°	3960	5676	3312	5676
75°	3426	4916	3109	4916
80°	2600	4136	2600	4136
85°	2171	3253	2445	3253



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.5	2.3
10°-20°	435.1	6.7
20°-30°	689.8	10.6
30°-40°	831.9	12.8
40°-50°	742.9	11.4
50°-60°	569.7	8.7
60°-70°	370.2	5.7
70°-80°	180.0	2.8
80°-90°	44.7	0.7
90°-100°	29.6	0.5
100°-110°	182.5	2.8
110°-120°	331.0	5.1
120°-130°	424.8	6.5
130°-140°	456.9	7.0
140°-150°	428.9	6.6
150°-160°	346.9	5.3
160°-170°	224.4	3.4
170°-180°	77.4	1.2
0°-30°	1273.4	19.5
0°-40°	2105.3	32.3
0°-60°	3417.9	52.5
0°-90°	4012.8	61.6
90°-120°	543.2	8.3
90°-150°	1853.8	28.5
90°-180°	2503.0	38.4
0°-180°	6515.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1548	1548	1548	1548	1548	
5°	1774	1544	1364	1544	1774	177
15°	2132	1474	1037	1474	2132	611
25°	2552	1345	834	1345	2552	1172
35°	2118	1170	680	1170	2118	1279
45°	947	921	535	921	947	756
55°	520	650	400	650	520	472
65°	295	405	238	405	295	293
75°	137	197	125	197	137	146
85°	29	44	33	44	29	34
90°	14	1	14	1	14	8
95°	13	34	13	34	13	10
105°	179	178	179	178	179	162
115°	331	334	331	334	331	329
125°	474	474	474	474	474	422
135°	589	591	589	591	589	455
145°	684	686	684	686	684	427
155°	750	755	750	755	750	346
165°	793	797	793	797	793	224
175°	811	815	811	815	811	77
180°	815	815	815	815	815	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1628.5	1627.5	1629.5	1623.9	1624.4	1615.8	1615.8	1609.2	1600.5	1593.9	1590.9
5°	1774.4	1775.7	1773.1	1763.6	1757.3	1747.8	1736.9	1717.8	1701.9	1686.7	1674.6
7.5°	1924.7	1925.6	1917.2	1914.2	1898.2	1886.5	1862.5	1836.5	1813.6	1784.4	1761.9
10°	2012.1	2011.5	2002.5	1995.6	1981.6	1963.8	1940.3	1909.8	1881.2	1849.4	1818.9
12.5°	2063.0	2061.3	2058.5	2050.0	2037.0	2021.3	2001.3	1971.3	1936.1	1901.3	1865.6
15°	2131.6	2127.1	2118.9	2108.0	2089.6	2071.2	2048.9	2022.3	1988.6	1949.2	1916.1
17.5°	2216.5	2216.6	2203.9	2188.9	2163.9	2131.4	2097.0	2053.9	2008.2	1964.8	1929.7
20°	2286.7	2284.7	2272.1	2242.8	2214.2	2173.5	2134.1	2081.4	2025.4	1968.9	1925.0
22.5°	2387.4	2382.4	2369.2	2330.8	2286.4	2234.0	2173.8	2109.3	2041.8	1977.5	1919.9
25°	2552.3	2548.5	2522.5	2477.9	2415.7	2334.9	2256.2	2167.8	2070.6	1986.1	1916.1
27.5°	2665.2	2661.0	2641.7	2604.7	2547.2	2462.3	2355.6	2237.6	2116.2	1999.9	1899.1
30°	2654.0	2663.5	2661.0	2643.9	2600.6	2524.3	2425.8	2293.0	2148.7	2012.1	1892.0
32.5°	2494.3	2502.9	2525.2	2558.9	2561.4	2530.9	2457.4	2334.7	2185.3	2029.9	1886.4
35°	2117.6	2129.1	2172.3	2240.3	2329.2	2403.6	2418.8	2352.8	2218.7	2051.5	1878.0
37.5°	1628.0	1690.5	1726.9	1798.5	1932.9	2069.7	2201.2	2249.7	2192.6	2042.7	1864.4
40°	1382.9	1398.2	1463.0	1543.7	1656.9	1799.2	1986.7	2122.1	2126.5	2022.3	1843.1
42.5°	1183.7	1203.0	1247.4	1311.9	1408.8	1551.1	1744.7	1923.3	2006.0	1966.3	1815.1
45°	947.0	961.6	994.0	1043.6	1117.9	1235.5	1402.0	1608.5	1772.5	1836.7	1740.1
47.5°	777.9	785.8	814.0	851.7	906.8	992.5	1121.4	1300.6	1497.3	1635.2	1621.6
50°	686.4	695.3	716.9	745.5	791.9	864.3	967.3	1116.6	1319.4	1487.8	1521.5
52.5°	615.2	622.6	636.0	663.1	701.4	757.1	840.2	975.3	1157.7	1336.8	1414.7
55°	519.8	525.0	535.7	551.0	581.6	621.6	693.3	786.8	934.3	1114.8	1229.1
57.5°	441.3	443.8	450.7	464.8	485.9	515.2	567.0	646.2	752.0	914.5	1040.7
60°	391.5	394.0	402.9	412.5	429.0	455.7	496.4	551.6	653.3	787.4	915.2
62.5°	351.8	353.4	357.2	366.7	381.2	401.8	433.8	478.9	559.8	677.6	798.3
65°	294.9	295.5	296.8	304.4	313.3	328.6	349.5	381.3	442.3	531.3	638.1
67.5°	240.3	241.1	245.6	248.3	257.6	265.5	277.9	302.1	345.1	405.1	488.1
70°	209.7	209.1	213.5	216.7	219.9	229.4	237.7	257.4	284.1	329.9	399.1
72.5°	181.2	179.6	181.5	182.6	186.9	193.3	201.6	213.7	234.2	265.8	318.8
75°	137.3	137.9	137.9	139.2	142.4	144.9	147.4	153.8	165.3	186.2	214.8
77.5°	96.4	95.3	98.0	98.4	100.3	103.1	105.3	107.8	112.5	121.2	135.9
80°	69.9	69.9	70.5	72.5	71.8	73.1	76.2	78.8	84.5	89.6	94.7
82.5°	53.6	53.2	53.7	54.1	54.1	55.3	56.4	56.9	59.1	61.6	65.2
85°	29.3	29.3	29.8	29.8	30.5	30.5	31.1	31.1	31.1	31.8	32.4
87.5°	14.1	13.5	12.9	12.8	13.3	14.2	13.5	12.9	12.7	12.6	13.0
90°	14.5	14.1	13.7	13.3	12.9	12.3	11.7	11.0	10.4	9.7	8.7
92.5°	13.5	13.4	13.1	13.0	12.8	12.3	11.7	11.0	10.4	9.7	8.8
95°	12.7	12.7	12.7	12.7	12.7	12.3	11.7	11.0	10.4	9.7	14.8
97.5°	12.7	12.7	12.7	12.7	12.7	14.6	18.3	22.2	25.9	29.8	39.8
100°	12.7	13.2	13.8	14.3	14.8	25.1	45.1	65.1	85.1	105.1	104.6
102.5°	76.0	85.1	94.2	103.4	112.5	119.0	122.8	126.5	130.4	134.1	133.8
105°	179.4	179.5	179.7	179.9	179.9	180.0	180.0	180.0	180.0	180.0	180.0
107.5°	226.2	226.6	227.0	227.4	227.8	228.0	228.0	228.0	227.9	227.9	227.6
110°	258.5	258.4	258.3	258.1	258.0	258.1	258.5	258.9	259.3	259.8	259.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	287.6	287.7	288.0	288.1	288.3	288.6	289.2	289.7	290.2	290.7	290.6
115°	331.0	331.8	332.6	333.5	334.3	334.9	335.5	336.0	336.6	337.1	337.0
117.5°	377.5	377.8	378.1	378.5	378.9	379.4	380.1	380.7	381.5	382.1	381.6
120°	405.9	406.7	407.3	408.0	408.6	409.1	409.4	409.7	409.9	410.2	409.8
122.5°	433.0	433.8	434.6	435.4	436.1	436.7	436.9	437.2	437.5	437.7	437.6
125°	474.3	474.7	475.0	475.4	475.8	476.3	476.9	477.4	477.9	478.4	478.4
127.5°	508.9	509.9	510.9	511.8	512.9	513.6	513.8	514.1	514.4	514.7	514.8
130°	534.0	534.7	535.4	536.1	536.7	537.3	537.7	538.1	538.4	538.8	538.7
132.5°	557.3	557.9	558.6	559.2	559.9	560.3	560.4	560.4	560.5	560.6	560.9
135°	589.0	589.8	590.6	591.4	592.2	592.8	593.0	593.3	593.5	593.9	594.1
137.5°	620.9	621.6	622.3	623.0	623.7	624.0	623.9	623.9	623.9	623.8	624.0
140°	639.8	640.6	641.4	642.1	642.9	643.3	642.9	642.7	642.5	642.1	642.3
142.5°	657.6	658.4	659.3	660.1	660.9	661.2	661.2	661.1	661.0	661.0	660.8
145°	683.9	684.7	685.4	686.2	687.1	687.4	687.3	687.1	687.0	686.9	686.9
147.5°	705.5	706.5	707.4	708.4	709.3	709.7	709.6	709.4	709.2	709.1	708.9
150°	719.5	720.6	721.6	722.7	723.8	724.2	723.9	723.7	723.4	723.1	722.8
152.5°	732.5	733.5	734.5	735.4	736.4	736.8	736.5	736.2	736.0	735.6	735.4
155°	749.7	750.8	751.9	752.9	754.0	754.3	753.9	753.5	753.1	752.7	752.4
157.5°	764.1	765.2	766.2	767.3	768.3	768.7	768.3	767.8	767.4	767.0	767.0
160°	773.2	774.4	775.4	776.5	777.6	777.8	777.3	776.7	776.2	775.7	775.5
162.5°	781.5	782.7	783.8	785.1	786.2	786.4	785.6	784.9	784.2	783.4	783.3
165°	792.6	793.7	794.8	795.8	796.9	797.0	796.2	795.4	794.6	793.8	793.7
167.5°	800.3	801.5	802.7	804.0	805.2	805.3	804.3	803.3	802.3	801.4	801.3
170°	804.7	805.8	807.1	808.3	809.5	809.6	808.5	807.4	806.3	805.3	805.1
172.5°	807.6	808.8	810.0	811.2	812.4	812.5	811.5	810.6	809.6	808.7	808.5
175°	811.3	812.5	813.8	815.0	816.1	816.2	815.1	814.1	813.0	812.0	811.8
177.5°	813.5	814.3	815.2	816.0	816.9	817.0	816.2	815.5	814.7	814.0	813.8
180°	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1590.9	1587.3	1580.7	1574.6	1567.0	1560.4	1555.8	1550.2	1543.1	1534.5	1527.3
5°	1661.3	1647.3	1628.9	1613.0	1592.7	1576.8	1560.2	1544.3	1528.4	1508.1	1490.4
7.5°	1739.4	1710.5	1682.4	1647.1	1615.0	1586.4	1558.9	1531.1	1503.9	1475.0	1447.2
10°	1787.1	1752.2	1713.4	1668.9	1628.2	1589.5	1553.9	1518.9	1482.1	1449.7	1414.7
12.5°	1831.9	1786.7	1742.4	1686.2	1637.4	1590.0	1544.7	1501.1	1461.8	1419.7	1382.2
15°	1872.3	1827.8	1778.2	1709.6	1641.6	1584.4	1531.0	1474.5	1425.5	1378.5	1336.5
17.5°	1887.9	1841.3	1783.7	1717.8	1643.4	1571.4	1502.7	1440.6	1383.1	1328.3	1281.1
20°	1881.8	1836.7	1777.6	1714.7	1635.2	1560.2	1485.9	1417.2	1353.1	1295.2	1245.0
22.5°	1867.1	1820.4	1763.3	1696.9	1621.5	1542.0	1462.5	1389.3	1322.0	1262.2	1207.4
25°	1844.9	1781.4	1723.0	1658.1	1586.3	1507.5	1425.5	1344.8	1273.0	1211.9	1152.3
27.5°	1821.9	1742.6	1668.3	1603.9	1528.0	1457.7	1378.6	1295.8	1220.3	1158.2	1096.9
30°	1801.1	1712.1	1630.1	1557.1	1485.2	1418.5	1343.5	1262.8	1185.3	1121.1	1058.8
32.5°	1775.2	1680.6	1590.5	1506.2	1437.0	1370.8	1302.8	1225.7	1150.2	1083.9	1020.7
35°	1742.6	1621.9	1524.0	1434.4	1357.5	1293.3	1232.3	1170.0	1094.4	1025.7	964.1
37.5°	1699.9	1562.9	1449.7	1352.0	1271.0	1206.5	1158.3	1101.4	1032.3	966.6	909.5
40°	1674.0	1520.2	1396.3	1299.7	1214.5	1146.5	1101.4	1053.1	990.2	928.5	871.3
42.5°	1639.4	1481.1	1342.4	1241.7	1156.0	1090.5	1045.0	1002.7	950.0	891.9	830.6
45°	1571.7	1405.2	1259.6	1151.6	1065.2	1000.9	958.4	920.9	880.8	827.4	774.0
47.5°	1483.4	1326.0	1173.7	1055.7	971.1	911.5	870.2	840.6	812.0	766.5	714.7
50°	1412.8	1260.9	1112.1	997.8	907.5	851.0	812.2	788.7	762.6	721.3	678.1
52.5°	1329.4	1193.8	1048.1	931.2	846.0	793.0	755.8	732.3	710.8	677.1	635.9
55°	1198.0	1079.1	945.7	839.5	761.4	708.0	672.4	650.1	637.5	608.9	576.4
57.5°	1046.4	961.2	843.5	741.2	672.1	619.3	593.2	574.3	559.9	539.7	516.8
60°	940.6	880.8	775.3	678.1	614.6	564.4	540.9	525.0	511.6	494.5	476.6
62.5°	833.3	789.9	698.1	614.6	556.1	514.0	492.0	477.7	462.3	450.7	433.4
65°	689.6	650.8	587.3	521.8	467.7	434.1	418.2	405.4	395.9	383.2	371.1
67.5°	536.4	520.7	476.8	431.6	392.9	362.9	349.2	340.3	328.8	321.2	312.9
70°	442.3	434.7	403.6	373.7	337.5	317.2	304.4	300.6	286.7	279.0	273.3
72.5°	359.0	355.4	337.5	316.7	291.2	273.4	261.7	257.4	248.5	242.4	238.7
75°	246.0	247.2	244.0	230.7	221.2	209.7	199.6	197.0	190.7	185.6	182.4
77.5°	155.6	162.1	162.3	161.7	157.8	150.9	146.7	144.8	138.5	136.6	135.9
80°	106.8	113.7	120.1	119.4	118.2	116.3	113.2	111.2	108.0	106.2	104.8
82.5°	71.2	77.7	83.0	86.4	86.2	84.3	82.1	81.2	80.6	79.2	78.9
85°	33.7	35.0	36.9	41.3	44.5	45.1	44.5	43.9	41.9	42.6	43.2
87.5°	13.3	13.0	13.4	13.2	12.5	14.8	16.1	16.4	15.6	14.8	14.0
90°	7.8	6.8	5.9	4.9	3.8	2.8	1.7	0.6	1.7	2.8	3.8
92.5°	8.0	7.2	6.4	6.3	7.0	7.8	8.6	9.3	8.6	7.8	7.0
95°	19.9	24.9	30.1	32.9	33.3	33.6	34.0	34.4	34.0	33.6	33.3
97.5°	49.9	60.0	70.1	74.8	74.0	73.4	72.6	71.9	72.6	73.4	74.0
100°	104.0	103.5	103.0	102.5	102.1	101.7	101.3	100.9	101.3	101.7	102.1
102.5°	133.5	133.1	132.8	132.4	131.9	131.4	130.9	130.4	130.9	131.4	131.9
105°	180.0	180.0	180.0	179.8	179.2	178.7	178.1	177.6	178.1	178.7	179.2
107.5°	227.3	227.1	226.8	226.7	226.7	226.7	226.7	226.7	226.7	226.7	226.7
110°	259.3	258.9	258.7	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5





TEST NUMBER: P333724-930

CATALOG NUMBER: S125RDIW-S1270D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	290.4	290.2	290.1	289.8	289.5	289.2	288.9	288.5	288.9	289.2	289.5
115°	336.8	336.7	336.6	336.1	335.5	334.8	334.1	333.5	334.1	334.8	335.5
117.5°	381.2	380.7	380.1	379.8	379.9	379.9	379.9	380.0	379.9	379.9	379.9
120°	409.4	409.0	408.5	408.5	408.5	408.7	408.9	409.0	408.9	408.7	408.5
122.5°	437.3	437.2	437.0	436.7	436.1	435.6	435.1	434.6	435.1	435.6	436.1
125°	478.4	478.4	478.4	478.0	477.0	476.1	475.2	474.3	475.2	476.1	477.0
127.5°	514.9	514.9	515.0	514.7	514.0	513.4	512.7	512.0	512.7	513.4	514.0
130°	538.6	538.4	538.3	537.9	537.3	536.5	535.9	535.2	535.9	536.5	537.3
132.5°	561.2	561.5	561.8	561.6	560.8	560.0	559.2	558.4	559.2	560.0	560.8
135°	594.4	594.7	594.9	594.7	593.9	593.0	592.2	591.4	592.2	593.0	593.9
137.5°	624.3	624.5	624.8	624.5	623.9	623.1	622.5	621.7	622.5	623.1	623.9
140°	642.5	642.5	642.7	642.6	642.4	642.1	641.8	641.6	641.8	642.1	642.4
142.5°	660.6	660.5	660.2	660.1	659.9	659.7	659.6	659.4	659.6	659.7	659.9
145°	686.9	686.9	686.9	686.7	686.5	686.2	685.9	685.7	685.9	686.2	686.5
147.5°	708.7	708.7	708.5	708.4	708.5	708.5	708.6	708.7	708.6	708.5	708.5
150°	722.6	722.3	722.0	722.0	722.3	722.6	722.8	723.1	722.8	722.6	722.3
152.5°	735.2	734.9	734.6	734.7	735.4	736.0	736.5	737.1	736.5	736.0	735.4
155°	752.2	752.0	751.6	752.0	752.7	753.5	754.3	755.1	754.3	753.5	752.7
157.5°	767.0	766.9	766.9	767.1	767.6	768.1	768.6	769.0	768.6	768.1	767.6
160°	775.4	775.3	775.1	775.5	776.2	777.1	777.9	778.7	777.9	777.1	776.2
162.5°	783.2	783.0	782.9	783.2	784.0	784.8	785.6	786.4	785.6	784.8	784.0
165°	793.5	793.4	793.3	793.6	794.4	795.2	796.0	796.8	796.0	795.2	794.4
167.5°	801.1	801.0	800.9	801.2	802.1	802.9	803.7	804.5	803.7	802.9	802.1
170°	805.0	804.9	804.7	805.1	806.1	807.0	808.0	808.9	808.0	807.0	806.1
172.5°	808.2	808.0	807.7	808.0	808.9	809.9	810.9	811.8	810.9	809.9	808.9
175°	811.6	811.5	811.4	811.7	812.5	813.3	814.2	815.0	814.2	813.3	812.5
177.5°	813.8	813.7	813.5	813.8	814.5	815.1	815.7	816.4	815.7	815.1	814.5
180°	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0



TEST NUMBER: P333724-930

CATALOG NUMBER: S125RDIW-S1270D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1522.2	1515.2	1510.0	1499.8	1492.7	1489.7	1484.1	1482.5	1488.2	1484.1	1483.6
5°	1477.0	1458.6	1444.0	1429.3	1413.4	1403.3	1388.0	1385.4	1381.7	1375.9	1374.7
7.5°	1422.7	1398.7	1379.9	1355.8	1334.7	1317.8	1298.8	1289.7	1284.8	1277.4	1267.5
10°	1386.1	1357.5	1332.1	1307.9	1281.9	1260.9	1241.9	1227.2	1217.6	1208.8	1205.0
12.5°	1350.0	1320.9	1288.3	1259.1	1230.0	1206.5	1185.4	1175.9	1165.3	1154.9	1146.0
15°	1294.0	1255.2	1219.6	1185.9	1161.1	1135.7	1115.3	1101.4	1085.5	1081.1	1063.9
17.5°	1234.4	1196.5	1154.8	1119.3	1090.5	1062.6	1040.2	1024.3	1012.4	996.1	988.1
20°	1197.3	1152.3	1111.6	1079.1	1047.3	1014.3	991.4	978.1	966.6	953.3	947.0
22.5°	1157.7	1113.6	1071.9	1033.9	1001.6	969.1	952.8	939.0	925.9	913.6	905.2
25°	1099.5	1055.0	1011.1	971.8	938.1	914.5	895.4	879.5	872.6	860.5	851.6
27.5°	1041.9	994.6	949.1	909.8	883.4	860.1	844.5	831.9	819.3	808.8	801.0
30°	1004.8	956.5	906.9	875.8	847.8	825.6	808.4	796.3	786.8	777.2	771.5
32.5°	967.7	917.9	873.8	840.2	813.8	794.5	776.9	765.3	755.3	744.7	738.0
35°	908.2	857.4	821.7	788.7	762.6	744.9	732.8	716.2	708.0	700.3	693.3
37.5°	852.9	805.6	767.1	738.1	715.5	697.8	682.2	673.3	663.1	656.2	650.4
40°	812.2	769.0	734.0	703.5	687.1	667.3	652.7	641.2	633.7	624.8	618.4
42.5°	775.6	735.5	701.5	674.1	653.5	636.8	622.7	611.2	601.6	595.3	589.9
45°	723.9	683.9	650.8	625.3	606.3	590.4	575.8	570.1	557.3	549.8	547.2
47.5°	670.3	634.5	602.6	579.2	559.6	544.6	530.9	519.3	512.3	504.8	500.7
50°	634.3	600.0	570.1	547.2	528.2	511.6	498.9	491.3	481.8	474.7	469.7
52.5°	598.2	566.4	536.5	514.6	498.1	481.6	467.4	459.7	450.7	446.3	442.7
55°	546.6	512.9	487.5	465.9	448.7	433.4	420.1	412.5	406.8	402.3	401.0
57.5°	488.1	461.4	437.7	418.3	400.5	386.1	374.5	367.2	362.2	361.5	357.7
60°	450.0	425.8	404.2	383.2	367.9	354.7	344.5	336.2	331.1	330.4	329.2
62.5°	411.8	388.7	368.6	350.2	336.5	323.6	314.0	304.7	301.7	298.5	295.6
65°	355.2	334.3	317.8	303.1	288.5	277.7	268.2	262.4	255.5	251.7	244.7
67.5°	299.7	283.5	267.6	255.3	243.8	233.5	225.6	217.1	212.4	209.4	204.2
70°	263.1	250.4	234.5	221.2	212.3	204.0	197.6	188.1	184.9	182.4	179.9
72.5°	228.5	217.4	204.0	193.2	184.3	176.5	169.2	164.7	161.6	159.0	157.5
75°	179.9	169.1	157.6	150.0	143.7	137.3	133.5	130.3	129.0	128.4	125.8
77.5°	132.1	126.4	117.2	111.1	106.9	104.4	100.9	99.3	99.1	96.4	95.5
80°	101.0	97.8	90.3	87.7	84.5	82.0	80.1	76.9	73.7	72.5	70.5
82.5°	75.1	71.9	68.9	64.8	62.1	60.7	58.7	57.6	58.0	56.2	55.3
85°	40.0	36.9	35.6	35.0	33.7	35.0	34.3	33.7	33.0	32.4	33.0
87.5°	13.7	13.9	13.5	14.8	13.5	14.1	14.3	13.9	14.0	14.2	13.8
90°	4.9	5.9	6.8	7.8	8.7	9.7	10.4	11.0	11.7	12.3	12.9
92.5°	6.3	6.4	7.2	8.0	8.8	9.7	10.4	11.0	11.7	12.3	12.8
95°	32.9	30.1	24.9	19.9	14.8	9.7	10.4	11.0	11.7	12.3	12.7
97.5°	74.8	70.1	60.0	49.9	39.8	29.8	25.9	22.2	18.3	14.6	12.7
100°	102.5	103.0	103.5	104.0	104.6	105.1	85.1	65.1	45.1	25.1	14.8
102.5°	132.4	132.8	133.1	133.5	133.8	134.1	130.4	126.5	122.8	119.0	112.5
105°	179.8	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	179.9
107.5°	226.7	226.8	227.1	227.3	227.6	227.9	227.9	228.0	228.0	228.0	227.8
110°	258.5	258.7	258.9	259.3	259.5	259.8	259.3	258.9	258.5	258.1	258.0



TEST NUMBER: P333724-930

CATALOG NUMBER: S125RDIW-S1270D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	289.8	290.1	290.2	290.4	290.6	290.7	290.2	289.7	289.2	288.6	288.3
115°	336.1	336.6	336.7	336.8	337.0	337.1	336.6	336.0	335.5	334.9	334.3
117.5°	379.8	380.1	380.7	381.2	381.6	382.1	381.5	380.7	380.1	379.4	378.9
120°	408.5	408.5	409.0	409.4	409.8	410.2	409.9	409.7	409.4	409.1	408.6
122.5°	436.7	437.0	437.2	437.3	437.6	437.7	437.5	437.2	436.9	436.7	436.1
125°	478.0	478.4	478.4	478.4	478.4	478.4	477.9	477.4	476.9	476.3	475.8
127.5°	514.7	515.0	514.9	514.9	514.8	514.7	514.4	514.1	513.8	513.6	512.9
130°	537.9	538.3	538.4	538.6	538.7	538.8	538.4	538.1	537.7	537.3	536.7
132.5°	561.6	561.8	561.5	561.2	560.9	560.6	560.5	560.4	560.4	560.3	559.9
135°	594.7	594.9	594.7	594.4	594.1	593.9	593.5	593.3	593.0	592.8	592.2
137.5°	624.5	624.8	624.5	624.3	624.0	623.8	623.9	623.9	623.9	624.0	623.7
140°	642.6	642.7	642.5	642.5	642.3	642.1	642.5	642.7	642.9	643.3	642.9
142.5°	660.1	660.2	660.5	660.6	660.8	661.0	661.0	661.1	661.2	661.2	660.9
145°	686.7	686.9	686.9	686.9	686.9	686.9	687.0	687.1	687.3	687.4	687.1
147.5°	708.4	708.5	708.7	708.7	708.9	709.1	709.2	709.4	709.6	709.7	709.3
150°	722.0	722.0	722.3	722.6	722.8	723.1	723.4	723.7	723.9	724.2	723.8
152.5°	734.7	734.6	734.9	735.2	735.4	735.6	736.0	736.2	736.5	736.8	736.4
155°	752.0	751.6	752.0	752.2	752.4	752.7	753.1	753.5	753.9	754.3	754.0
157.5°	767.1	766.9	766.9	767.0	767.0	767.0	767.4	767.8	768.3	768.7	768.3
160°	775.5	775.1	775.3	775.4	775.5	775.7	776.2	776.7	777.3	777.8	777.6
162.5°	783.2	782.9	783.0	783.2	783.3	783.4	784.2	784.9	785.6	786.4	786.2
165°	793.6	793.3	793.4	793.5	793.7	793.8	794.6	795.4	796.2	797.0	796.9
167.5°	801.2	800.9	801.0	801.1	801.3	801.4	802.3	803.3	804.3	805.3	805.2
170°	805.1	804.7	804.9	805.0	805.1	805.3	806.3	807.4	808.5	809.6	809.5
172.5°	808.0	807.7	808.0	808.2	808.5	808.7	809.6	810.6	811.5	812.5	812.4
175°	811.7	811.4	811.5	811.6	811.8	812.0	813.0	814.1	815.1	816.2	816.1
177.5°	813.8	813.5	813.7	813.8	813.8	814.0	814.7	815.5	816.2	817.0	816.9
180°	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0



TEST NUMBER: P333724-930

CATALOG NUMBER: S125RDIW-S1270D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1483.1	1477.5	1475.9	1478.0	1475.9	1477.5	1483.1	1483.6	1484.1	1488.2	1482.5
5°	1368.3	1362.0	1365.1	1363.8	1365.1	1362.0	1368.3	1374.7	1375.9	1381.7	1385.4
7.5°	1267.4	1259.5	1251.1	1253.8	1251.1	1259.5	1267.4	1267.5	1277.4	1284.8	1289.7
10°	1196.7	1190.3	1186.5	1189.7	1186.5	1190.3	1196.7	1205.0	1208.8	1217.6	1227.2
12.5°	1137.3	1133.4	1130.1	1128.7	1130.1	1133.4	1137.3	1146.0	1154.9	1165.3	1175.9
15°	1056.2	1048.6	1045.5	1037.2	1045.5	1048.6	1056.2	1063.9	1081.1	1085.5	1101.4
17.5°	981.6	979.1	970.9	967.3	970.9	979.1	981.6	988.1	996.1	1012.4	1024.3
20°	937.4	934.9	926.6	931.7	926.6	934.9	937.4	947.0	953.3	966.6	978.1
22.5°	900.8	895.2	892.5	891.0	892.5	895.2	900.8	905.2	913.6	925.9	939.0
25°	849.1	840.8	837.6	833.8	837.6	840.8	849.1	851.6	860.5	872.6	879.5
27.5°	797.4	793.0	788.8	787.8	788.8	793.0	797.4	801.0	808.8	819.3	831.9
30°	763.9	759.5	756.3	756.3	756.3	759.5	763.9	771.5	777.2	786.8	796.3
32.5°	733.9	730.5	727.3	726.8	727.3	730.5	733.9	738.0	744.7	755.3	765.3
35°	690.2	685.1	683.9	680.0	683.9	685.1	690.2	693.3	700.3	708.0	716.2
37.5°	644.8	640.6	640.5	640.1	640.5	640.6	644.8	650.4	656.2	663.1	673.3
40°	615.8	612.6	612.0	607.6	612.0	612.6	615.8	618.4	624.8	633.7	641.2
42.5°	584.8	583.2	581.0	579.1	581.0	583.2	584.8	589.9	595.3	601.6	611.2
45°	542.7	538.3	538.3	535.1	538.3	538.3	542.7	547.2	549.8	557.3	570.1
47.5°	499.3	495.9	496.2	492.9	496.2	495.9	499.3	500.7	504.8	512.3	519.3
50°	470.3	468.4	467.7	466.5	467.7	468.4	470.3	469.7	474.7	481.8	491.3
52.5°	441.3	440.4	442.9	440.0	442.9	440.4	441.3	442.7	446.3	450.7	459.7
55°	402.3	400.4	404.2	400.4	404.2	400.4	402.3	401.0	402.3	406.8	412.5
57.5°	357.4	355.6	359.1	357.2	359.1	355.6	357.4	357.7	361.5	362.2	367.2
60°	327.9	324.2	326.0	326.7	326.0	324.2	327.9	329.2	330.4	331.1	336.2
62.5°	292.9	290.6	292.0	289.0	292.0	290.6	292.9	295.6	298.5	301.7	304.7
65°	243.4	241.5	239.0	237.7	239.0	241.5	243.4	244.7	251.7	255.5	262.4
67.5°	204.5	199.9	199.8	200.8	199.8	199.9	204.5	204.2	209.4	212.4	217.1
70°	176.0	176.0	175.4	175.4	175.4	176.0	176.0	179.9	182.4	184.9	188.1
72.5°	156.2	155.7	154.6	154.1	154.6	155.7	156.2	157.5	159.0	161.6	164.7
75°	125.8	126.5	125.2	124.6	125.2	126.5	125.8	125.8	128.4	129.0	130.3
77.5°	92.9	90.3	91.6	90.3	91.6	90.3	92.9	95.5	96.4	99.1	99.3
80°	70.5	69.9	71.8	69.9	71.8	69.9	70.5	70.5	72.5	73.7	76.9
82.5°	55.8	55.2	56.1	54.6	56.1	55.2	55.8	55.3	56.2	58.0	57.6
85°	33.7	33.0	32.4	33.0	32.4	33.0	33.7	33.0	32.4	33.0	33.7
87.5°	14.3	13.9	14.0	14.1	14.0	13.9	14.3	13.8	14.2	14.0	13.9
90°	13.3	13.7	14.1	14.5	14.1	13.7	13.3	12.9	12.3	11.7	11.0
92.5°	13.0	13.1	13.4	13.5	13.4	13.1	13.0	12.8	12.3	11.7	11.0
95°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.3	11.7	11.0
97.5°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	14.6	18.3	22.2
100°	14.3	13.8	13.2	12.7	13.2	13.8	14.3	14.8	25.1	45.1	65.1
102.5°	103.4	94.2	85.1	76.0	85.1	94.2	103.4	112.5	119.0	122.8	126.5
105°	179.9	179.7	179.5	179.4	179.5	179.7	179.9	179.9	180.0	180.0	180.0
107.5°	227.4	227.0	226.6	226.2	226.6	227.0	227.4	227.8	228.0	228.0	228.0
110°	258.1	258.3	258.4	258.5	258.4	258.3	258.1	258.0	258.1	258.5	258.9



TEST NUMBER: P333724-930

CATALOG NUMBER: S125RDIW-S1270D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	288.1	288.0	287.7	287.6	287.7	288.0	288.1	288.3	288.6	289.2	289.7
115°	333.5	332.6	331.8	331.0	331.8	332.6	333.5	334.3	334.9	335.5	336.0
117.5°	378.5	378.1	377.8	377.5	377.8	378.1	378.5	378.9	379.4	380.1	380.7
120°	408.0	407.3	406.7	405.9	406.7	407.3	408.0	408.6	409.1	409.4	409.7
122.5°	435.4	434.6	433.8	433.0	433.8	434.6	435.4	436.1	436.7	436.9	437.2
125°	475.4	475.0	474.7	474.3	474.7	475.0	475.4	475.8	476.3	476.9	477.4
127.5°	511.8	510.9	509.9	508.9	509.9	510.9	511.8	512.9	513.6	513.8	514.1
130°	536.1	535.4	534.7	534.0	534.7	535.4	536.1	536.7	537.3	537.7	538.1
132.5°	559.2	558.6	557.9	557.3	557.9	558.6	559.2	559.9	560.3	560.4	560.4
135°	591.4	590.6	589.8	589.0	589.8	590.6	591.4	592.2	592.8	593.0	593.3
137.5°	623.0	622.3	621.6	620.9	621.6	622.3	623.0	623.7	624.0	623.9	623.9
140°	642.1	641.4	640.6	639.8	640.6	641.4	642.1	642.9	643.3	642.9	642.7
142.5°	660.1	659.3	658.4	657.6	658.4	659.3	660.1	660.9	661.2	661.2	661.1
145°	686.2	685.4	684.7	683.9	684.7	685.4	686.2	687.1	687.4	687.3	687.1
147.5°	708.4	707.4	706.5	705.5	706.5	707.4	708.4	709.3	709.7	709.6	709.4
150°	722.7	721.6	720.6	719.5	720.6	721.6	722.7	723.8	724.2	723.9	723.7
152.5°	735.4	734.5	733.5	732.5	733.5	734.5	735.4	736.4	736.8	736.5	736.2
155°	752.9	751.9	750.8	749.7	750.8	751.9	752.9	754.0	754.3	753.9	753.5
157.5°	767.3	766.2	765.2	764.1	765.2	766.2	767.3	768.3	768.7	768.3	767.8
160°	776.5	775.4	774.4	773.2	774.4	775.4	776.5	777.6	777.8	777.3	776.7
162.5°	785.1	783.8	782.7	781.5	782.7	783.8	785.1	786.2	786.4	785.6	784.9
165°	795.8	794.8	793.7	792.6	793.7	794.8	795.8	796.9	797.0	796.2	795.4
167.5°	804.0	802.7	801.5	800.3	801.5	802.7	804.0	805.2	805.3	804.3	803.3
170°	808.3	807.1	805.8	804.7	805.8	807.1	808.3	809.5	809.6	808.5	807.4
172.5°	811.2	810.0	808.8	807.6	808.8	810.0	811.2	812.4	812.5	811.5	810.6
175°	815.0	813.8	812.5	811.3	812.5	813.8	815.0	816.1	816.2	815.1	814.1
177.5°	816.0	815.2	814.3	813.5	814.3	815.2	816.0	816.9	817.0	816.2	815.5
180°	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0



TEST NUMBER: P333724-930

CATALOG NUMBER: S125RDIW-S1270D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1484.1	1489.7	1492.7	1499.8	1510.0	1515.2	1522.2	1527.3	1534.5	1543.1	1550.2
5°	1388.0	1403.3	1413.4	1429.3	1444.0	1458.6	1477.0	1490.4	1508.1	1528.4	1544.3
7.5°	1298.8	1317.8	1334.7	1355.8	1379.9	1398.7	1422.7	1447.2	1475.0	1503.9	1531.1
10°	1241.9	1260.9	1281.9	1307.9	1332.1	1357.5	1386.1	1414.7	1449.7	1482.1	1518.9
12.5°	1185.4	1206.5	1230.0	1259.1	1288.3	1320.9	1350.0	1382.2	1419.7	1461.8	1501.1
15°	1115.3	1135.7	1161.1	1185.9	1219.6	1255.2	1294.0	1336.5	1378.5	1425.5	1474.5
17.5°	1040.2	1062.6	1090.5	1119.3	1154.8	1196.5	1234.4	1281.1	1328.3	1383.1	1440.6
20°	991.4	1014.3	1047.3	1079.1	1111.6	1152.3	1197.3	1245.0	1295.2	1353.1	1417.2
22.5°	952.8	969.1	1001.6	1033.9	1071.9	1113.6	1157.7	1207.4	1262.2	1322.0	1389.3
25°	895.4	914.5	938.1	971.8	1011.1	1055.0	1099.5	1152.3	1211.9	1273.0	1344.8
27.5°	844.5	860.1	883.4	909.8	949.1	994.6	1041.9	1096.9	1158.2	1220.3	1295.8
30°	808.4	825.6	847.8	875.8	906.9	956.5	1004.8	1058.8	1121.1	1185.3	1262.8
32.5°	776.9	794.5	813.8	840.2	873.8	917.9	967.7	1020.7	1083.9	1150.2	1225.7
35°	732.8	744.9	762.6	788.7	821.7	857.4	908.2	964.1	1025.7	1094.4	1170.0
37.5°	682.2	697.8	715.5	738.1	767.1	805.6	852.9	909.5	966.6	1032.3	1101.4
40°	652.7	667.3	687.1	703.5	734.0	769.0	812.2	871.3	928.5	990.2	1053.1
42.5°	622.7	636.8	653.5	674.1	701.5	735.5	775.6	830.6	891.9	950.0	1002.7
45°	575.8	590.4	606.3	625.3	650.8	683.9	723.9	774.0	827.4	880.8	920.9
47.5°	530.9	544.6	559.6	579.2	602.6	634.5	670.3	714.7	766.5	812.0	840.6
50°	498.9	511.6	528.2	547.2	570.1	600.0	634.3	678.1	721.3	762.6	788.7
52.5°	467.4	481.6	498.1	514.6	536.5	566.4	598.2	635.9	677.1	710.8	732.3
55°	420.1	433.4	448.7	465.9	487.5	512.9	546.6	576.4	608.9	637.5	650.1
57.5°	374.5	386.1	400.5	418.3	437.7	461.4	488.1	516.8	539.7	559.9	574.3
60°	344.5	354.7	367.9	383.2	404.2	425.8	450.0	476.6	494.5	511.6	525.0
62.5°	314.0	323.6	336.5	350.2	368.6	388.7	411.8	433.4	450.7	462.3	477.7
65°	268.2	277.7	288.5	303.1	317.8	334.3	355.2	371.1	383.2	395.9	405.4
67.5°	225.6	233.5	243.8	255.3	267.6	283.5	299.7	312.9	321.2	328.8	340.3
70°	197.6	204.0	212.3	221.2	234.5	250.4	263.1	273.3	279.0	286.7	300.6
72.5°	169.2	176.5	184.3	193.2	204.0	217.4	228.5	238.7	242.4	248.5	257.4
75°	133.5	137.3	143.7	150.0	157.6	169.1	179.9	182.4	185.6	190.7	197.0
77.5°	100.9	104.4	106.9	111.1	117.2	126.4	132.1	135.9	136.6	138.5	144.8
80°	80.1	82.0	84.5	87.7	90.3	97.8	101.0	104.8	106.2	108.0	111.2
82.5°	58.7	60.7	62.1	64.8	68.9	71.9	75.1	78.9	79.2	80.6	81.2
85°	34.3	35.0	33.7	35.0	35.6	36.9	40.0	43.2	42.6	41.9	43.9
87.5°	14.3	14.1	13.5	14.8	13.5	13.9	13.7	14.0	14.8	15.6	16.4
90°	10.4	9.7	8.7	7.8	6.8	5.9	4.9	3.8	2.8	1.7	0.6
92.5°	10.4	9.7	8.8	8.0	7.2	6.4	6.3	7.0	7.8	8.6	9.3
95°	10.4	9.7	14.8	19.9	24.9	30.1	32.9	33.3	33.6	34.0	34.4
97.5°	25.9	29.8	39.8	49.9	60.0	70.1	74.8	74.0	73.4	72.6	71.9
100°	85.1	105.1	104.6	104.0	103.5	103.0	102.5	102.1	101.7	101.3	100.9
102.5°	130.4	134.1	133.8	133.5	133.1	132.8	132.4	131.9	131.4	130.9	130.4
105°	180.0	180.0	180.0	180.0	180.0	180.0	179.8	179.2	178.7	178.1	177.6
107.5°	227.9	227.9	227.6	227.3	227.1	226.8	226.7	226.7	226.7	226.7	226.7
110°	259.3	259.8	259.5	259.3	258.9	258.7	258.5	258.5	258.5	258.5	258.5



TEST NUMBER: P333724-930

CATALOG NUMBER: S125RDIW-S1270D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	290.2	290.7	290.6	290.4	290.2	290.1	289.8	289.5	289.2	288.9	288.5
115°	336.6	337.1	337.0	336.8	336.7	336.6	336.1	335.5	334.8	334.1	333.5
117.5°	381.5	382.1	381.6	381.2	380.7	380.1	379.8	379.9	379.9	379.9	380.0
120°	409.9	410.2	409.8	409.4	409.0	408.5	408.5	408.5	408.7	408.9	409.0
122.5°	437.5	437.7	437.6	437.3	437.2	437.0	436.7	436.1	435.6	435.1	434.6
125°	477.9	478.4	478.4	478.4	478.4	478.4	478.0	477.0	476.1	475.2	474.3
127.5°	514.4	514.7	514.8	514.9	514.9	515.0	514.7	514.0	513.4	512.7	512.0
130°	538.4	538.8	538.7	538.6	538.4	538.3	537.9	537.3	536.5	535.9	535.2
132.5°	560.5	560.6	560.9	561.2	561.5	561.8	561.6	560.8	560.0	559.2	558.4
135°	593.5	593.9	594.1	594.4	594.7	594.9	594.7	593.9	593.0	592.2	591.4
137.5°	623.9	623.8	624.0	624.3	624.5	624.8	624.5	623.9	623.1	622.5	621.7
140°	642.5	642.1	642.3	642.5	642.5	642.7	642.6	642.4	642.1	641.8	641.6
142.5°	661.0	661.0	660.8	660.6	660.5	660.2	660.1	659.9	659.7	659.6	659.4
145°	687.0	686.9	686.9	686.9	686.9	686.9	686.7	686.5	686.2	685.9	685.7
147.5°	709.2	709.1	708.9	708.7	708.7	708.5	708.4	708.5	708.5	708.6	708.7
150°	723.4	723.1	722.8	722.6	722.3	722.0	722.0	722.3	722.6	722.8	723.1
152.5°	736.0	735.6	735.4	735.2	734.9	734.6	734.7	735.4	736.0	736.5	737.1
155°	753.1	752.7	752.4	752.2	752.0	751.6	752.0	752.7	753.5	754.3	755.1
157.5°	767.4	767.0	767.0	767.0	766.9	766.9	767.1	767.6	768.1	768.6	769.0
160°	776.2	775.7	775.5	775.4	775.3	775.1	775.5	776.2	777.1	777.9	778.7
162.5°	784.2	783.4	783.3	783.2	783.0	782.9	783.2	784.0	784.8	785.6	786.4
165°	794.6	793.8	793.7	793.5	793.4	793.3	793.6	794.4	795.2	796.0	796.8
167.5°	802.3	801.4	801.3	801.1	801.0	800.9	801.2	802.1	802.9	803.7	804.5
170°	806.3	805.3	805.1	805.0	804.9	804.7	805.1	806.1	807.0	808.0	808.9
172.5°	809.6	808.7	808.5	808.2	808.0	807.7	808.0	808.9	809.9	810.9	811.8
175°	813.0	812.0	811.8	811.6	811.5	811.4	811.7	812.5	813.3	814.2	815.0
177.5°	814.7	814.0	813.8	813.8	813.7	813.5	813.8	814.5	815.1	815.7	816.4
180°	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0



TEST NUMBER: P333724-930

CATALOG NUMBER: S125RDIW-S1270D770U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1555.8	1560.4	1567.0	1574.6	1580.7	1587.3	1590.9	1590.9	1593.9	1600.5	1609.2
5°	1560.2	1576.8	1592.7	1613.0	1628.9	1647.3	1661.3	1674.6	1686.7	1701.9	1717.8
7.5°	1558.9	1586.4	1615.0	1647.1	1682.4	1710.5	1739.4	1761.9	1784.4	1813.6	1836.5
10°	1553.9	1589.5	1628.2	1668.9	1713.4	1752.2	1787.1	1818.9	1849.4	1881.2	1909.8
12.5°	1544.7	1590.0	1637.4	1686.2	1742.4	1786.7	1831.9	1865.6	1901.3	1936.1	1971.3
15°	1531.0	1584.4	1641.6	1709.6	1778.2	1827.8	1872.3	1916.1	1949.2	1988.6	2022.3
17.5°	1502.7	1571.4	1643.4	1717.8	1783.7	1841.3	1887.9	1929.7	1964.8	2008.2	2053.9
20°	1485.9	1560.2	1635.2	1714.7	1777.6	1836.7	1881.8	1925.0	1968.9	2025.4	2081.4
22.5°	1462.5	1542.0	1621.5	1696.9	1763.3	1820.4	1867.1	1919.9	1977.5	2041.8	2109.3
25°	1425.5	1507.5	1586.3	1658.1	1723.0	1781.4	1844.9	1916.1	1986.1	2070.6	2167.8
27.5°	1378.6	1457.7	1528.0	1603.9	1668.3	1742.6	1821.9	1899.1	1999.9	2116.2	2237.6
30°	1343.5	1418.5	1485.2	1557.1	1630.1	1712.1	1801.1	1892.0	2012.1	2148.7	2293.0
32.5°	1302.8	1370.8	1437.0	1506.2	1590.5	1680.6	1775.2	1886.4	2029.9	2185.3	2334.7
35°	1232.3	1293.3	1357.5	1434.4	1524.0	1621.9	1742.6	1878.0	2051.5	2218.7	2352.8
37.5°	1158.3	1206.5	1271.0	1352.0	1449.7	1562.9	1699.9	1864.4	2042.7	2192.6	2249.7
40°	1101.4	1146.5	1214.5	1299.7	1396.3	1520.2	1674.0	1843.1	2022.3	2126.5	2122.1
42.5°	1045.0	1090.5	1156.0	1241.7	1342.4	1481.1	1639.4	1815.1	1966.3	2006.0	1923.3
45°	958.4	1000.9	1065.2	1151.6	1259.6	1405.2	1571.7	1740.1	1836.7	1772.5	1608.5
47.5°	870.2	911.5	971.1	1055.7	1173.7	1326.0	1483.4	1621.6	1635.2	1497.3	1300.6
50°	812.2	851.0	907.5	997.8	1112.1	1260.9	1412.8	1521.5	1487.8	1319.4	1116.6
52.5°	755.8	793.0	846.0	931.2	1048.1	1193.8	1329.4	1414.7	1336.8	1157.7	975.3
55°	672.4	708.0	761.4	839.5	945.7	1079.1	1198.0	1229.1	1114.8	934.3	786.8
57.5°	593.2	619.3	672.1	741.2	843.5	961.2	1046.4	1040.7	914.5	752.0	646.2
60°	540.9	564.4	614.6	678.1	775.3	880.8	940.6	915.2	787.4	653.3	551.6
62.5°	492.0	514.0	556.1	614.6	698.1	789.9	833.3	798.3	677.6	559.8	478.9
65°	418.2	434.1	467.7	521.8	587.3	650.8	689.6	638.1	531.3	442.3	381.3
67.5°	349.2	362.9	392.9	431.6	476.8	520.7	536.4	488.1	405.1	345.1	302.1
70°	304.4	317.2	337.5	373.7	403.6	434.7	442.3	399.1	329.9	284.1	257.4
72.5°	261.7	273.4	291.2	316.7	337.5	355.4	359.0	318.8	265.8	234.2	213.7
75°	199.6	209.7	221.2	230.7	244.0	247.2	246.0	214.8	186.2	165.3	153.8
77.5°	146.7	150.9	157.8	161.7	162.3	162.1	155.6	135.9	121.2	112.5	107.8
80°	113.2	116.3	118.2	119.4	120.1	113.7	106.8	94.7	89.6	84.5	78.8
82.5°	82.1	84.3	86.2	86.4	83.0	77.7	71.2	65.2	61.6	59.1	56.9
85°	44.5	45.1	44.5	41.3	36.9	35.0	33.7	32.4	31.8	31.1	31.1
87.5°	16.1	14.8	12.5	13.2	13.4	13.0	13.3	13.0	12.6	12.7	12.9
90°	1.7	2.8	3.8	4.9	5.9	6.8	7.8	8.7	9.7	10.4	11.0
92.5°	8.6	7.8	7.0	6.3	6.4	7.2	8.0	8.8	9.7	10.4	11.0
95°	34.0	33.6	33.3	32.9	30.1	24.9	19.9	14.8	9.7	10.4	11.0
97.5°	72.6	73.4	74.0	74.8	70.1	60.0	49.9	39.8	29.8	25.9	22.2
100°	101.3	101.7	102.1	102.5	103.0	103.5	104.0	104.6	105.1	85.1	65.1
102.5°	130.9	131.4	131.9	132.4	132.8	133.1	133.5	133.8	134.1	130.4	126.5
105°	178.1	178.7	179.2	179.8	180.0	180.0	180.0	180.0	180.0	180.0	180.0
107.5°	226.7	226.7	226.7	226.7	226.8	227.1	227.3	227.6	227.9	227.9	228.0
110°	258.5	258.5	258.5	258.5	258.7	258.9	259.3	259.5	259.8	259.3	258.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	288.9	289.2	289.5	289.8	290.1	290.2	290.4	290.6	290.7	290.2	289.7
115°	334.1	334.8	335.5	336.1	336.6	336.7	336.8	337.0	337.1	336.6	336.0
117.5°	379.9	379.9	379.9	379.8	380.1	380.7	381.2	381.6	382.1	381.5	380.7
120°	408.9	408.7	408.5	408.5	408.5	409.0	409.4	409.8	410.2	409.9	409.7
122.5°	435.1	435.6	436.1	436.7	437.0	437.2	437.3	437.6	437.7	437.5	437.2
125°	475.2	476.1	477.0	478.0	478.4	478.4	478.4	478.4	478.4	477.9	477.4
127.5°	512.7	513.4	514.0	514.7	515.0	514.9	514.9	514.8	514.7	514.4	514.1
130°	535.9	536.5	537.3	537.9	538.3	538.4	538.6	538.7	538.8	538.4	538.1
132.5°	559.2	560.0	560.8	561.6	561.8	561.5	561.2	560.9	560.6	560.5	560.4
135°	592.2	593.0	593.9	594.7	594.9	594.7	594.4	594.1	593.9	593.5	593.3
137.5°	622.5	623.1	623.9	624.5	624.8	624.5	624.3	624.0	623.8	623.9	623.9
140°	641.8	642.1	642.4	642.6	642.7	642.5	642.5	642.3	642.1	642.5	642.7
142.5°	659.6	659.7	659.9	660.1	660.2	660.5	660.6	660.8	661.0	661.0	661.1
145°	685.9	686.2	686.5	686.7	686.9	686.9	686.9	686.9	686.9	687.0	687.1
147.5°	708.6	708.5	708.5	708.4	708.5	708.7	708.7	708.9	709.1	709.2	709.4
150°	722.8	722.6	722.3	722.0	722.0	722.3	722.6	722.8	723.1	723.4	723.7
152.5°	736.5	736.0	735.4	734.7	734.6	734.9	735.2	735.4	735.6	736.0	736.2
155°	754.3	753.5	752.7	752.0	751.6	752.0	752.2	752.4	752.7	753.1	753.5
157.5°	768.6	768.1	767.6	767.1	766.9	766.9	767.0	767.0	767.0	767.4	767.8
160°	777.9	777.1	776.2	775.5	775.1	775.3	775.4	775.5	775.7	776.2	776.7
162.5°	785.6	784.8	784.0	783.2	782.9	783.0	783.2	783.3	783.4	784.2	784.9
165°	796.0	795.2	794.4	793.6	793.3	793.4	793.5	793.7	793.8	794.6	795.4
167.5°	803.7	802.9	802.1	801.2	800.9	801.0	801.1	801.3	801.4	802.3	803.3
170°	808.0	807.0	806.1	805.1	804.7	804.9	805.0	805.1	805.3	806.3	807.4
172.5°	810.9	809.9	808.9	808.0	807.7	808.0	808.2	808.5	808.7	809.6	810.6
175°	814.2	813.3	812.5	811.7	811.4	811.5	811.6	811.8	812.0	813.0	814.1
177.5°	815.7	815.1	814.5	813.8	813.5	813.7	813.8	813.8	814.0	814.7	815.5
180°	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0	815.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1615.8	1615.8	1624.4	1623.9	1629.5	1627.5	1628.5
5°	1736.9	1747.8	1757.3	1763.6	1773.1	1775.7	1774.4
7.5°	1862.5	1886.5	1898.2	1914.2	1917.2	1925.6	1924.7
10°	1940.3	1963.8	1981.6	1995.6	2002.5	2011.5	2012.1
12.5°	2001.3	2021.3	2037.0	2050.0	2058.5	2061.3	2063.0
15°	2048.9	2071.2	2089.6	2108.0	2118.9	2127.1	2131.6
17.5°	2097.0	2131.4	2163.9	2188.9	2203.9	2216.6	2216.5
20°	2134.1	2173.5	2214.2	2242.8	2272.1	2284.7	2286.7
22.5°	2173.8	2234.0	2286.4	2330.8	2369.2	2382.4	2387.4
25°	2256.2	2334.9	2415.7	2477.9	2522.5	2548.5	2552.3
27.5°	2355.6	2462.3	2547.2	2604.7	2641.7	2661.0	2665.2
30°	2425.8	2524.3	2600.6	2643.9	2661.0	2663.5	2654.0
32.5°	2457.4	2530.9	2561.4	2558.9	2525.2	2502.9	2494.3
35°	2418.8	2403.6	2329.2	2240.3	2172.3	2129.1	2117.6
37.5°	2201.2	2069.7	1932.9	1798.5	1726.9	1690.5	1628.0
40°	1986.7	1799.2	1656.9	1543.7	1463.0	1398.2	1382.9
42.5°	1744.7	1551.1	1408.8	1311.9	1247.4	1203.0	1183.7
45°	1402.0	1235.5	1117.9	1043.6	994.0	961.6	947.0
47.5°	1121.4	992.5	906.8	851.7	814.0	785.8	777.9
50°	967.3	864.3	791.9	745.5	716.9	695.3	686.4
52.5°	840.2	757.1	701.4	663.1	636.0	622.6	615.2
55°	693.3	621.6	581.6	551.0	535.7	525.0	519.8
57.5°	567.0	515.2	485.9	464.8	450.7	443.8	441.3
60°	496.4	455.7	429.0	412.5	402.9	394.0	391.5
62.5°	433.8	401.8	381.2	366.7	357.2	353.4	351.8
65°	349.5	328.6	313.3	304.4	296.8	295.5	294.9
67.5°	277.9	265.5	257.6	248.3	245.6	241.1	240.3
70°	237.7	229.4	219.9	216.7	213.5	209.1	209.7
72.5°	201.6	193.3	186.9	182.6	181.5	179.6	181.2
75°	147.4	144.9	142.4	139.2	137.9	137.9	137.3
77.5°	105.3	103.1	100.3	98.4	98.0	95.3	96.4
80°	76.2	73.1	71.8	72.5	70.5	69.9	69.9
82.5°	56.4	55.3	54.1	54.1	53.7	53.2	53.6
85°	31.1	30.5	30.5	29.8	29.8	29.3	29.3
87.5°	13.5	14.2	13.3	12.8	12.9	13.5	14.1
90°	11.7	12.3	12.9	13.3	13.7	14.1	14.5
92.5°	11.7	12.3	12.8	13.0	13.1	13.4	13.5
95°	11.7	12.3	12.7	12.7	12.7	12.7	12.7
97.5°	18.3	14.6	12.7	12.7	12.7	12.7	12.7
100°	45.1	25.1	14.8	14.3	13.8	13.2	12.7
102.5°	122.8	119.0	112.5	103.4	94.2	85.1	76.0
105°	180.0	180.0	179.9	179.9	179.7	179.5	179.4
107.5°	228.0	228.0	227.8	227.4	227.0	226.6	226.2
110°	258.5	258.1	258.0	258.1	258.3	258.4	258.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	289.2	288.6	288.3	288.1	288.0	287.7	287.6
115°	335.5	334.9	334.3	333.5	332.6	331.8	331.0
117.5°	380.1	379.4	378.9	378.5	378.1	377.8	377.5
120°	409.4	409.1	408.6	408.0	407.3	406.7	405.9
122.5°	436.9	436.7	436.1	435.4	434.6	433.8	433.0
125°	476.9	476.3	475.8	475.4	475.0	474.7	474.3
127.5°	513.8	513.6	512.9	511.8	510.9	509.9	508.9
130°	537.7	537.3	536.7	536.1	535.4	534.7	534.0
132.5°	560.4	560.3	559.9	559.2	558.6	557.9	557.3
135°	593.0	592.8	592.2	591.4	590.6	589.8	589.0
137.5°	623.9	624.0	623.7	623.0	622.3	621.6	620.9
140°	642.9	643.3	642.9	642.1	641.4	640.6	639.8
142.5°	661.2	661.2	660.9	660.1	659.3	658.4	657.6
145°	687.3	687.4	687.1	686.2	685.4	684.7	683.9
147.5°	709.6	709.7	709.3	708.4	707.4	706.5	705.5
150°	723.9	724.2	723.8	722.7	721.6	720.6	719.5
152.5°	736.5	736.8	736.4	735.4	734.5	733.5	732.5
155°	753.9	754.3	754.0	752.9	751.9	750.8	749.7
157.5°	768.3	768.7	768.3	767.3	766.2	765.2	764.1
160°	777.3	777.8	777.6	776.5	775.4	774.4	773.2
162.5°	785.6	786.4	786.2	785.1	783.8	782.7	781.5
165°	796.2	797.0	796.9	795.8	794.8	793.7	792.6
167.5°	804.3	805.3	805.2	804.0	802.7	801.5	800.3
170°	808.5	809.6	809.5	808.3	807.1	805.8	804.7
172.5°	811.5	812.5	812.4	811.2	810.0	808.8	807.6
175°	815.1	816.2	816.1	815.0	813.8	812.5	811.3
177.5°	816.2	817.0	816.9	816.0	815.2	814.3	813.5
180°	815.0	815.0	815.0	815.0	815.0	815.0	815.0

(END OF REPORT)