

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: P333616-930

Luminaire Tested: **S125RDIP-S1270D590U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333616-930  
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: S125RDIP-S1270D590U930-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 590 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5939.3 lumens  
Efficiency: N/A  
Efficacy: 107.8 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

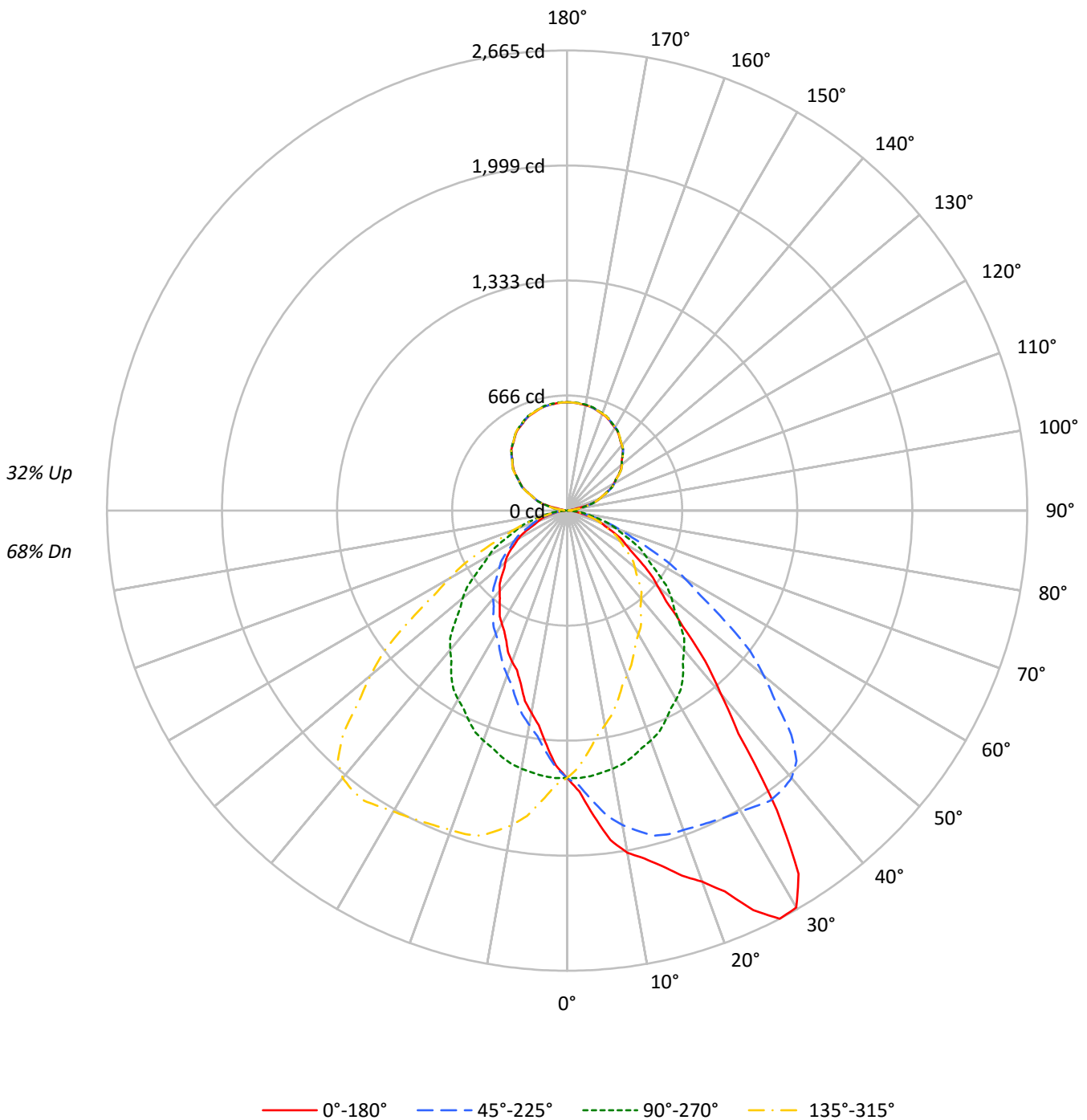
Input Watts (W): 55.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	68								
1	102	98	94	91	96	93	89	86	83	80	78	73	72	70	65	63	62	58								
2	94	86	80	75	88	82	76	72	73	69	65	65	62	59	58	55	53	50								
3	86	76	69	63	81	72	66	61	65	60	56	58	54	51	52	48	46	43								
4	79	68	60	54	74	64	57	52	58	52	48	52	47	44	46	43	40	37								
5	72	61	53	47	68	58	50	45	52	46	42	47	42	38	42	38	35	32								
6	67	55	47	41	63	52	45	39	47	41	36	43	38	34	38	34	31	28								
7	62	50	42	36	58	47	40	35	43	37	32	39	34	30	35	31	28	25								
8	58	45	37	32	54	43	36	31	39	33	29	36	31	27	32	28	25	23								
9	54	41	34	29	51	40	33	28	36	30	26	33	28	24	30	26	22	20								
10	50	38	31	26	48	36	30	25	33	28	24	30	25	22	28	23	20	19								

**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	2.5
10°-20°	435.1	7.3
20°-30°	689.8	11.6
30°-40°	831.9	14.0
40°-50°	742.9	12.5
50°-60°	569.7	9.6
60°-70°	370.2	6.2
70°-80°	180.0	3.0
80°-90°	44.3	0.7
90°-100°	22.8	0.4
100°-110°	140.5	2.4
110°-120°	254.9	4.3
120°-130°	327.1	5.5
130°-140°	351.8	5.9
140°-150°	330.3	5.6
150°-160°	267.1	4.5
160°-170°	172.8	2.9
170°-180°	59.6	1.0
0°-30°	1273.4	21.4
0°-40°	2105.3	35.4
0°-60°	3417.9	57.5
0°-90°	4012.4	67.6
90°-120°	418.2	7.0
90°-150°	1427.4	24.0
90°-180°	1927.0	32.4
0°-180°	5939.3	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°	11	0	11	0	11	6
95°	10	26	10	26	10	8
105°	138	137	138	137	138	125
115°	255	257	255	257	255	253
125°	365	365	365	365	365	325
135°	454	455	454	455	454	350
145°	526	528	526	528	526	329
155°	577	582	577	582	577	266
165°	610	614	610	614	610	172
175°	625	628	625	628	625	59
180°	628	628	628	628	628	



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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°	13.5	12.9	12.3	12.2	12.6	13.6	13.0	12.4	12.2	12.1	12.6
90°	11.2	10.8	10.5	10.3	9.9	9.5	9.0	8.5	8.0	7.4	6.7
92.5°	10.4	10.3	10.1	9.9	9.9	9.5	9.0	8.5	8.0	7.4	6.8
95°	9.8	9.8	9.8	9.8	9.8	9.5	9.0	8.5	8.0	7.4	11.3
97.5°	9.8	9.8	9.8	9.8	9.8	11.3	14.1	17.0	20.0	22.9	30.7
100°	9.8	10.2	10.6	11.0	11.4	19.3	34.7	50.1	65.6	81.0	80.6
102.5°	58.5	65.6	72.6	79.6	86.7	91.6	94.5	97.4	100.4	103.3	103.1
105°	138.1	138.3	138.4	138.4	138.6	138.6	138.6	138.6	138.6	138.6	138.6
107.5°	174.1	174.5	174.8	175.1	175.4	175.5	175.5	175.5	175.5	175.5	175.3
110°	199.1	199.0	198.9	198.8	198.7	198.8	199.1	199.4	199.7	200.0	199.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	221.4	221.6	221.7	221.8	222.0	222.3	222.7	223.1	223.5	223.8	223.7
115°	254.9	255.5	256.2	256.7	257.4	257.9	258.3	258.7	259.2	259.6	259.4
117.5°	290.7	290.9	291.1	291.5	291.7	292.1	292.6	293.2	293.8	294.2	293.8
120°	312.6	313.1	313.6	314.1	314.6	315.0	315.2	315.4	315.6	315.8	315.5
122.5°	333.5	334.0	334.6	335.3	335.8	336.2	336.5	336.6	336.9	337.0	336.9
125°	365.2	365.5	365.7	366.1	366.4	366.7	367.1	367.6	368.0	368.4	368.4
127.5°	391.8	392.6	393.4	394.1	394.9	395.4	395.7	395.8	396.1	396.3	396.4
130°	411.2	411.7	412.2	412.8	413.3	413.7	414.0	414.3	414.6	414.9	414.8
132.5°	429.1	429.6	430.1	430.6	431.1	431.5	431.5	431.5	431.6	431.7	431.9
135°	453.6	454.1	454.8	455.4	456.0	456.4	456.6	456.8	457.1	457.2	457.5
137.5°	478.1	478.7	479.2	479.7	480.2	480.5	480.5	480.4	480.4	480.3	480.5
140°	492.6	493.3	493.8	494.5	495.0	495.3	495.0	494.9	494.6	494.5	494.6
142.5°	506.4	507.0	507.6	508.3	508.8	509.2	509.1	509.1	509.0	509.0	508.8
145°	526.5	527.2	527.8	528.4	529.0	529.3	529.2	529.1	529.0	528.9	528.9
147.5°	543.2	544.0	544.7	545.4	546.2	546.5	546.4	546.3	546.2	546.0	545.8
150°	554.0	554.8	555.6	556.5	557.3	557.6	557.4	557.2	557.0	556.8	556.6
152.5°	564.0	564.8	565.6	566.3	567.0	567.3	567.1	566.9	566.7	566.5	566.2
155°	577.2	578.1	578.9	579.8	580.6	580.8	580.5	580.2	579.9	579.6	579.4
157.5°	588.3	589.1	590.0	590.8	591.7	591.9	591.6	591.3	590.9	590.6	590.5
160°	595.4	596.2	597.0	597.9	598.7	598.9	598.5	598.1	597.7	597.3	597.1
162.5°	601.7	602.7	603.6	604.5	605.4	605.5	605.0	604.4	603.8	603.2	603.1
165°	610.3	611.1	612.0	612.8	613.6	613.7	613.1	612.5	611.8	611.2	611.1
167.5°	616.2	617.2	618.1	619.1	620.0	620.0	619.3	618.6	617.8	617.1	616.9
170°	619.6	620.5	621.4	622.4	623.3	623.4	622.6	621.7	620.9	620.0	620.0
172.5°	621.8	622.7	623.7	624.6	625.6	625.7	624.9	624.1	623.4	622.6	622.5
175°	624.7	625.7	626.6	627.5	628.4	628.5	627.6	626.8	626.0	625.2	625.1
177.5°	626.4	627.0	627.7	628.4	629.0	629.1	628.5	627.9	627.4	626.7	626.6
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5



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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°	12.9	12.7	13.1	13.0	12.3	14.7	16.0	16.4	15.5	14.7	13.8
90°	6.0	5.3	4.6	3.8	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	6.2	5.5	4.9	4.8	5.5	6.0	6.6	7.2	6.6	6.0	5.5
95°	15.3	19.2	23.2	25.3	25.6	25.9	26.2	26.5	26.2	25.9	25.6
97.5°	38.4	46.2	54.0	57.6	57.0	56.5	55.9	55.4	55.9	56.5	57.0
100°	80.1	79.7	79.2	78.9	78.6	78.3	78.0	77.7	78.0	78.3	78.6
102.5°	102.8	102.5	102.2	101.9	101.6	101.2	100.8	100.4	100.8	101.2	101.6
105°	138.6	138.6	138.6	138.4	138.0	137.6	137.1	136.7	137.1	137.6	138.0
107.5°	175.0	174.8	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6
110°	199.6	199.4	199.2	199.1	199.1	199.1	199.1	199.1	199.1	199.1	199.1





TEST NUMBER: P333616-930

CATALOG NUMBER: S125RDIP-S1270D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	223.6	223.5	223.3	223.1	222.9	222.7	222.4	222.2	222.4	222.7	222.9
115°	259.3	259.3	259.2	258.9	258.3	257.8	257.3	256.7	257.3	257.8	258.3
117.5°	293.5	293.1	292.7	292.5	292.5	292.5	292.5	292.6	292.5	292.5	292.5
120°	315.2	315.0	314.6	314.5	314.6	314.7	314.8	315.0	314.8	314.7	314.6
122.5°	336.8	336.6	336.5	336.2	335.8	335.4	335.0	334.6	335.0	335.4	335.8
125°	368.4	368.4	368.4	368.0	367.3	366.6	365.9	365.2	365.9	366.6	367.3
127.5°	396.5	396.5	396.6	396.3	395.8	395.3	394.8	394.3	394.8	395.3	395.8
130°	414.7	414.6	414.5	414.2	413.7	413.2	412.6	412.1	412.6	413.2	413.7
132.5°	432.1	432.4	432.6	432.4	431.8	431.2	430.6	430.0	430.6	431.2	431.8
135°	457.6	457.9	458.1	457.9	457.2	456.6	456.0	455.4	456.0	456.6	457.2
137.5°	480.7	480.9	481.1	480.9	480.4	479.8	479.3	478.7	479.3	479.8	480.4
140°	494.6	494.8	494.9	494.8	494.6	494.4	494.2	494.0	494.2	494.4	494.6
142.5°	508.7	508.6	508.4	508.3	508.2	508.0	507.9	507.8	507.9	508.0	508.2
145°	528.9	528.9	528.9	528.8	528.6	528.4	528.2	528.0	528.2	528.4	528.6
147.5°	545.8	545.6	545.5	545.4	545.5	545.5	545.6	545.6	545.6	545.5	545.5
150°	556.4	556.2	556.0	556.0	556.2	556.4	556.6	556.8	556.6	556.4	556.2
152.5°	566.1	565.8	565.7	565.7	566.2	566.7	567.1	567.6	567.1	566.7	566.2
155°	579.2	578.9	578.8	578.9	579.6	580.2	580.8	581.5	580.8	580.2	579.6
157.5°	590.5	590.5	590.5	590.7	591.0	591.4	591.7	592.2	591.7	591.4	591.0
160°	597.0	597.0	596.9	597.1	597.7	598.3	599.0	599.6	599.0	598.3	597.7
162.5°	603.0	602.9	602.8	603.1	603.6	604.3	605.0	605.5	605.0	604.3	603.6
165°	611.0	610.9	610.8	611.1	611.7	612.3	612.9	613.5	612.9	612.3	611.7
167.5°	616.9	616.8	616.7	616.9	617.6	618.2	618.9	619.5	618.9	618.2	617.6
170°	619.9	619.7	619.6	620.0	620.7	621.4	622.2	622.9	622.2	621.4	620.7
172.5°	622.3	622.1	621.9	622.2	622.9	623.6	624.4	625.1	624.4	623.6	622.9
175°	625.0	624.8	624.8	625.0	625.7	626.2	626.9	627.5	626.9	626.2	625.7
177.5°	626.6	626.5	626.4	626.6	627.1	627.6	628.1	628.6	628.1	627.6	627.1
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5



TEST NUMBER: P333616-930

CATALOG NUMBER: S125RDIP-S1270D590U930-4F0-1E-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°	13.5	13.6	13.3	14.4	13.0	13.7	13.8	13.4	13.5	13.6	13.2
90°	3.8	4.6	5.3	6.0	6.7	7.4	8.0	8.5	9.0	9.5	9.9
92.5°	4.8	4.9	5.5	6.2	6.8	7.4	8.0	8.5	9.0	9.5	9.9
95°	25.3	23.2	19.2	15.3	11.3	7.4	8.0	8.5	9.0	9.5	9.8
97.5°	57.6	54.0	46.2	38.4	30.7	22.9	20.0	17.0	14.1	11.3	9.8
100°	78.9	79.2	79.7	80.1	80.6	81.0	65.6	50.1	34.7	19.3	11.4
102.5°	101.9	102.2	102.5	102.8	103.1	103.3	100.4	97.4	94.5	91.6	86.7
105°	138.4	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6
107.5°	174.6	174.6	174.8	175.0	175.3	175.5	175.5	175.5	175.5	175.5	175.4
110°	199.1	199.2	199.4	199.6	199.8	200.0	199.7	199.4	199.1	198.8	198.7



TEST NUMBER: P333616-930

CATALOG NUMBER: S125RDIP-S1270D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	223.1	223.3	223.5	223.6	223.7	223.8	223.5	223.1	222.7	222.3	222.0
115°	258.9	259.2	259.3	259.3	259.4	259.6	259.2	258.7	258.3	257.9	257.4
117.5°	292.5	292.7	293.1	293.5	293.8	294.2	293.8	293.2	292.6	292.1	291.7
120°	314.5	314.6	315.0	315.2	315.5	315.8	315.6	315.4	315.2	315.0	314.6
122.5°	336.2	336.5	336.6	336.8	336.9	337.0	336.9	336.6	336.5	336.2	335.8
125°	368.0	368.4	368.4	368.4	368.4	368.4	368.0	367.6	367.1	366.7	366.4
127.5°	396.3	396.6	396.5	396.5	396.4	396.3	396.1	395.8	395.7	395.4	394.9
130°	414.2	414.5	414.6	414.7	414.8	414.9	414.6	414.3	414.0	413.7	413.3
132.5°	432.4	432.6	432.4	432.1	431.9	431.7	431.6	431.5	431.5	431.5	431.1
135°	457.9	458.1	457.9	457.6	457.5	457.2	457.1	456.8	456.6	456.4	456.0
137.5°	480.9	481.1	480.9	480.7	480.5	480.3	480.4	480.4	480.5	480.5	480.2
140°	494.8	494.9	494.8	494.6	494.6	494.5	494.6	494.9	495.0	495.3	495.0
142.5°	508.3	508.4	508.6	508.7	508.8	509.0	509.0	509.1	509.1	509.2	508.8
145°	528.8	528.9	528.9	528.9	528.9	528.9	529.0	529.1	529.2	529.3	529.0
147.5°	545.4	545.5	545.6	545.8	545.8	546.0	546.2	546.3	546.4	546.5	546.2
150°	556.0	556.0	556.2	556.4	556.6	556.8	557.0	557.2	557.4	557.6	557.3
152.5°	565.7	565.7	565.8	566.1	566.2	566.5	566.7	566.9	567.1	567.3	567.0
155°	578.9	578.8	578.9	579.2	579.4	579.6	579.9	580.2	580.5	580.8	580.6
157.5°	590.7	590.5	590.5	590.5	590.5	590.6	590.9	591.3	591.6	591.9	591.7
160°	597.1	596.9	597.0	597.0	597.1	597.3	597.7	598.1	598.5	598.9	598.7
162.5°	603.1	602.8	602.9	603.0	603.1	603.2	603.8	604.4	605.0	605.5	605.4
165°	611.1	610.8	610.9	611.0	611.1	611.2	611.8	612.5	613.1	613.7	613.6
167.5°	616.9	616.7	616.8	616.9	616.9	617.1	617.8	618.6	619.3	620.0	620.0
170°	620.0	619.6	619.7	619.9	620.0	620.0	620.9	621.7	622.6	623.4	623.3
172.5°	622.2	621.9	622.1	622.3	622.5	622.6	623.4	624.1	624.9	625.7	625.6
175°	625.0	624.8	624.8	625.0	625.1	625.2	626.0	626.8	627.6	628.5	628.4
177.5°	626.6	626.4	626.5	626.6	626.6	626.7	627.4	627.9	628.5	629.1	629.0
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5



TEST NUMBER: P333616-930

CATALOG NUMBER: S125RDIP-S1270D590U930-4F0-1E-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°	13.8	13.3	13.4	13.5	13.4	13.3	13.8	13.2	13.6	13.5	13.4
90°	10.3	10.5	10.8	11.2	10.8	10.5	10.3	9.9	9.5	9.0	8.5
92.5°	9.9	10.1	10.3	10.4	10.3	10.1	9.9	9.9	9.5	9.0	8.5
95°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.5	9.0	8.5
97.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	11.3	14.1	17.0
100°	11.0	10.6	10.2	9.8	10.2	10.6	11.0	11.4	19.3	34.7	50.1
102.5°	79.6	72.6	65.6	58.5	65.6	72.6	79.6	86.7	91.6	94.5	97.4
105°	138.4	138.4	138.3	138.1	138.3	138.4	138.4	138.6	138.6	138.6	138.6
107.5°	175.1	174.8	174.5	174.1	174.5	174.8	175.1	175.4	175.5	175.5	175.5
110°	198.8	198.9	199.0	199.1	199.0	198.9	198.8	198.7	198.8	199.1	199.4



TEST NUMBER: P333616-930

CATALOG NUMBER: S125RDIP-S1270D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	221.8	221.7	221.6	221.4	221.6	221.7	221.8	222.0	222.3	222.7	223.1
115°	256.7	256.2	255.5	254.9	255.5	256.2	256.7	257.4	257.9	258.3	258.7
117.5°	291.5	291.1	290.9	290.7	290.9	291.1	291.5	291.7	292.1	292.6	293.2
120°	314.1	313.6	313.1	312.6	313.1	313.6	314.1	314.6	315.0	315.2	315.4
122.5°	335.3	334.6	334.0	333.5	334.0	334.6	335.3	335.8	336.2	336.5	336.6
125°	366.1	365.7	365.5	365.2	365.5	365.7	366.1	366.4	366.7	367.1	367.6
127.5°	394.1	393.4	392.6	391.8	392.6	393.4	394.1	394.9	395.4	395.7	395.8
130°	412.8	412.2	411.7	411.2	411.7	412.2	412.8	413.3	413.7	414.0	414.3
132.5°	430.6	430.1	429.6	429.1	429.6	430.1	430.6	431.1	431.5	431.5	431.5
135°	455.4	454.8	454.1	453.6	454.1	454.8	455.4	456.0	456.4	456.6	456.8
137.5°	479.7	479.2	478.7	478.1	478.7	479.2	479.7	480.2	480.5	480.5	480.4
140°	494.5	493.8	493.3	492.6	493.3	493.8	494.5	495.0	495.3	495.0	494.9
142.5°	508.3	507.6	507.0	506.4	507.0	507.6	508.3	508.8	509.2	509.1	509.1
145°	528.4	527.8	527.2	526.5	527.2	527.8	528.4	529.0	529.3	529.2	529.1
147.5°	545.4	544.7	544.0	543.2	544.0	544.7	545.4	546.2	546.5	546.4	546.3
150°	556.5	555.6	554.8	554.0	554.8	555.6	556.5	557.3	557.6	557.4	557.2
152.5°	566.3	565.6	564.8	564.0	564.8	565.6	566.3	567.0	567.3	567.1	566.9
155°	579.8	578.9	578.1	577.2	578.1	578.9	579.8	580.6	580.8	580.5	580.2
157.5°	590.8	590.0	589.1	588.3	589.1	590.0	590.8	591.7	591.9	591.6	591.3
160°	597.9	597.0	596.2	595.4	596.2	597.0	597.9	598.7	598.9	598.5	598.1
162.5°	604.5	603.6	602.7	601.7	602.7	603.6	604.5	605.4	605.5	605.0	604.4
165°	612.8	612.0	611.1	610.3	611.1	612.0	612.8	613.6	613.7	613.1	612.5
167.5°	619.1	618.1	617.2	616.2	617.2	618.1	619.1	620.0	620.0	619.3	618.6
170°	622.4	621.4	620.5	619.6	620.5	621.4	622.4	623.3	623.4	622.6	621.7
172.5°	624.6	623.7	622.7	621.8	622.7	623.7	624.6	625.6	625.7	624.9	624.1
175°	627.5	626.6	625.7	624.7	625.7	626.6	627.5	628.4	628.5	627.6	626.8
177.5°	628.4	627.7	627.0	626.4	627.0	627.7	628.4	629.0	629.1	628.5	627.9
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5



TEST NUMBER: P333616-930

CATALOG NUMBER: S125RDIP-S1270D590U930-4F0-1E-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°	13.8	13.7	13.0	14.4	13.3	13.6	13.5	13.8	14.7	15.5	16.4
90°	8.0	7.4	6.7	6.0	5.3	4.6	3.8	2.9	2.1	1.3	0.5
92.5°	8.0	7.4	6.8	6.2	5.5	4.9	4.8	5.5	6.0	6.6	7.2
95°	8.0	7.4	11.3	15.3	19.2	23.2	25.3	25.6	25.9	26.2	26.5
97.5°	20.0	22.9	30.7	38.4	46.2	54.0	57.6	57.0	56.5	55.9	55.4
100°	65.6	81.0	80.6	80.1	79.7	79.2	78.9	78.6	78.3	78.0	77.7
102.5°	100.4	103.3	103.1	102.8	102.5	102.2	101.9	101.6	101.2	100.8	100.4
105°	138.6	138.6	138.6	138.6	138.6	138.6	138.4	138.0	137.6	137.1	136.7
107.5°	175.5	175.5	175.3	175.0	174.8	174.6	174.6	174.6	174.6	174.6	174.6
110°	199.7	200.0	199.8	199.6	199.4	199.2	199.1	199.1	199.1	199.1	199.1



TEST NUMBER: P333616-930

CATALOG NUMBER: S125RDIP-S1270D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	223.5	223.8	223.7	223.6	223.5	223.3	223.1	222.9	222.7	222.4	222.2
115°	259.2	259.6	259.4	259.3	259.3	259.2	258.9	258.3	257.8	257.3	256.7
117.5°	293.8	294.2	293.8	293.5	293.1	292.7	292.5	292.5	292.5	292.5	292.6
120°	315.6	315.8	315.5	315.2	315.0	314.6	314.5	314.6	314.7	314.8	315.0
122.5°	336.9	337.0	336.9	336.8	336.6	336.5	336.2	335.8	335.4	335.0	334.6
125°	368.0	368.4	368.4	368.4	368.4	368.4	368.0	367.3	366.6	365.9	365.2
127.5°	396.1	396.3	396.4	396.5	396.5	396.6	396.3	395.8	395.3	394.8	394.3
130°	414.6	414.9	414.8	414.7	414.6	414.5	414.2	413.7	413.2	412.6	412.1
132.5°	431.6	431.7	431.9	432.1	432.4	432.6	432.4	431.8	431.2	430.6	430.0
135°	457.1	457.2	457.5	457.6	457.9	458.1	457.9	457.2	456.6	456.0	455.4
137.5°	480.4	480.3	480.5	480.7	480.9	481.1	480.9	480.4	479.8	479.3	478.7
140°	494.6	494.5	494.6	494.6	494.8	494.9	494.8	494.6	494.4	494.2	494.0
142.5°	509.0	509.0	508.8	508.7	508.6	508.4	508.3	508.2	508.0	507.9	507.8
145°	529.0	528.9	528.9	528.9	528.9	528.9	528.8	528.6	528.4	528.2	528.0
147.5°	546.2	546.0	545.8	545.8	545.6	545.5	545.4	545.5	545.5	545.6	545.6
150°	557.0	556.8	556.6	556.4	556.2	556.0	556.0	556.2	556.4	556.6	556.8
152.5°	566.7	566.5	566.2	566.1	565.8	565.7	565.7	566.2	566.7	567.1	567.6
155°	579.9	579.6	579.4	579.2	578.9	578.8	578.9	579.6	580.2	580.8	581.5
157.5°	590.9	590.6	590.5	590.5	590.5	590.5	590.7	591.0	591.4	591.7	592.2
160°	597.7	597.3	597.1	597.0	597.0	596.9	597.1	597.7	598.3	599.0	599.6
162.5°	603.8	603.2	603.1	603.0	602.9	602.8	603.1	603.6	604.3	605.0	605.5
165°	611.8	611.2	611.1	611.0	610.9	610.8	611.1	611.7	612.3	612.9	613.5
167.5°	617.8	617.1	616.9	616.9	616.8	616.7	616.9	617.6	618.2	618.9	619.5
170°	620.9	620.0	620.0	619.9	619.7	619.6	620.0	620.7	621.4	622.2	622.9
172.5°	623.4	622.6	622.5	622.3	622.1	621.9	622.2	622.9	623.6	624.4	625.1
175°	626.0	625.2	625.1	625.0	624.8	624.8	625.0	625.7	626.2	626.9	627.5
177.5°	627.4	626.7	626.6	626.6	626.5	626.4	626.6	627.1	627.6	628.1	628.6
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5



TEST NUMBER: P333616-930

CATALOG NUMBER: S125RDIP-S1270D590U930-4F0-1E-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°	16.0	14.7	12.3	13.0	13.1	12.7	12.9	12.6	12.1	12.2	12.4
90°	1.3	2.1	2.9	3.8	4.6	5.3	6.0	6.7	7.4	8.0	8.5
92.5°	6.6	6.0	5.5	4.8	4.9	5.5	6.2	6.8	7.4	8.0	8.5
95°	26.2	25.9	25.6	25.3	23.2	19.2	15.3	11.3	7.4	8.0	8.5
97.5°	55.9	56.5	57.0	57.6	54.0	46.2	38.4	30.7	22.9	20.0	17.0
100°	78.0	78.3	78.6	78.9	79.2	79.7	80.1	80.6	81.0	65.6	50.1
102.5°	100.8	101.2	101.6	101.9	102.2	102.5	102.8	103.1	103.3	100.4	97.4
105°	137.1	137.6	138.0	138.4	138.6	138.6	138.6	138.6	138.6	138.6	138.6
107.5°	174.6	174.6	174.6	174.6	174.6	174.8	175.0	175.3	175.5	175.5	175.5
110°	199.1	199.1	199.1	199.1	199.2	199.4	199.6	199.8	200.0	199.7	199.4





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	222.4	222.7	222.9	223.1	223.3	223.5	223.6	223.7	223.8	223.5	223.1
115°	257.3	257.8	258.3	258.9	259.2	259.3	259.3	259.4	259.6	259.2	258.7
117.5°	292.5	292.5	292.5	292.5	292.7	293.1	293.5	293.8	294.2	293.8	293.2
120°	314.8	314.7	314.6	314.5	314.6	315.0	315.2	315.5	315.8	315.6	315.4
122.5°	335.0	335.4	335.8	336.2	336.5	336.6	336.8	336.9	337.0	336.9	336.6
125°	365.9	366.6	367.3	368.0	368.4	368.4	368.4	368.4	368.4	368.0	367.6
127.5°	394.8	395.3	395.8	396.3	396.6	396.5	396.5	396.4	396.3	396.1	395.8
130°	412.6	413.2	413.7	414.2	414.5	414.6	414.7	414.8	414.9	414.6	414.3
132.5°	430.6	431.2	431.8	432.4	432.6	432.4	432.1	431.9	431.7	431.6	431.5
135°	456.0	456.6	457.2	457.9	458.1	457.9	457.6	457.5	457.2	457.1	456.8
137.5°	479.3	479.8	480.4	480.9	481.1	480.9	480.7	480.5	480.3	480.4	480.4
140°	494.2	494.4	494.6	494.8	494.9	494.8	494.6	494.6	494.5	494.6	494.9
142.5°	507.9	508.0	508.2	508.3	508.4	508.6	508.7	508.8	509.0	509.0	509.1
145°	528.2	528.4	528.6	528.8	528.9	528.9	528.9	528.9	528.9	529.0	529.1
147.5°	545.6	545.5	545.5	545.4	545.5	545.6	545.8	545.8	546.0	546.2	546.3
150°	556.6	556.4	556.2	556.0	556.0	556.2	556.4	556.6	556.8	557.0	557.2
152.5°	567.1	566.7	566.2	565.7	565.7	565.8	566.1	566.2	566.5	566.7	566.9
155°	580.8	580.2	579.6	578.9	578.8	578.9	579.2	579.4	579.6	579.9	580.2
157.5°	591.7	591.4	591.0	590.7	590.5	590.5	590.5	590.5	590.6	590.9	591.3
160°	599.0	598.3	597.7	597.1	596.9	597.0	597.0	597.1	597.3	597.7	598.1
162.5°	605.0	604.3	603.6	603.1	602.8	602.9	603.0	603.1	603.2	603.8	604.4
165°	612.9	612.3	611.7	611.1	610.8	610.9	611.0	611.1	611.2	611.8	612.5
167.5°	618.9	618.2	617.6	616.9	616.7	616.8	616.9	616.9	617.1	617.8	618.6
170°	622.2	621.4	620.7	620.0	619.6	619.7	619.9	620.0	620.0	620.9	621.7
172.5°	624.4	623.6	622.9	622.2	621.9	622.1	622.3	622.5	622.6	623.4	624.1
175°	626.9	626.2	625.7	625.0	624.8	624.8	625.0	625.1	625.2	626.0	626.8
177.5°	628.1	627.6	627.1	626.6	626.4	626.5	626.6	626.6	626.7	627.4	627.9
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5



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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°	13.0	13.6	12.6	12.2	12.3	12.9	13.5
90°	9.0	9.5	9.9	10.3	10.5	10.8	11.2
92.5°	9.0	9.5	9.9	9.9	10.1	10.3	10.4
95°	9.0	9.5	9.8	9.8	9.8	9.8	9.8
97.5°	14.1	11.3	9.8	9.8	9.8	9.8	9.8
100°	34.7	19.3	11.4	11.0	10.6	10.2	9.8
102.5°	94.5	91.6	86.7	79.6	72.6	65.6	58.5
105°	138.6	138.6	138.6	138.4	138.4	138.3	138.1
107.5°	175.5	175.5	175.4	175.1	174.8	174.5	174.1
110°	199.1	198.8	198.7	198.8	198.9	199.0	199.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	222.7	222.3	222.0	221.8	221.7	221.6	221.4
115°	258.3	257.9	257.4	256.7	256.2	255.5	254.9
117.5°	292.6	292.1	291.7	291.5	291.1	290.9	290.7
120°	315.2	315.0	314.6	314.1	313.6	313.1	312.6
122.5°	336.5	336.2	335.8	335.3	334.6	334.0	333.5
125°	367.1	366.7	366.4	366.1	365.7	365.5	365.2
127.5°	395.7	395.4	394.9	394.1	393.4	392.6	391.8
130°	414.0	413.7	413.3	412.8	412.2	411.7	411.2
132.5°	431.5	431.5	431.1	430.6	430.1	429.6	429.1
135°	456.6	456.4	456.0	455.4	454.8	454.1	453.6
137.5°	480.5	480.5	480.2	479.7	479.2	478.7	478.1
140°	495.0	495.3	495.0	494.5	493.8	493.3	492.6
142.5°	509.1	509.2	508.8	508.3	507.6	507.0	506.4
145°	529.2	529.3	529.0	528.4	527.8	527.2	526.5
147.5°	546.4	546.5	546.2	545.4	544.7	544.0	543.2
150°	557.4	557.6	557.3	556.5	555.6	554.8	554.0
152.5°	567.1	567.3	567.0	566.3	565.6	564.8	564.0
155°	580.5	580.8	580.6	579.8	578.9	578.1	577.2
157.5°	591.6	591.9	591.7	590.8	590.0	589.1	588.3
160°	598.5	598.9	598.7	597.9	597.0	596.2	595.4
162.5°	605.0	605.5	605.4	604.5	603.6	602.7	601.7
165°	613.1	613.7	613.6	612.8	612.0	611.1	610.3
167.5°	619.3	620.0	620.0	619.1	618.1	617.2	616.2
170°	622.6	623.4	623.3	622.4	621.4	620.5	619.6
172.5°	624.9	625.7	625.6	624.6	623.7	622.7	621.8
175°	627.6	628.5	628.4	627.5	626.6	625.7	624.7
177.5°	628.5	629.1	629.0	628.4	627.7	627.0	626.4
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5

(END OF REPORT)