

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: P333586

Luminaire Tested: **S125RDIP-S1090D590U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333586  
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-S1090D590U835-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 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: 6624.9 lumens  
Efficiency: N/A  
Efficacy: 135.8 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

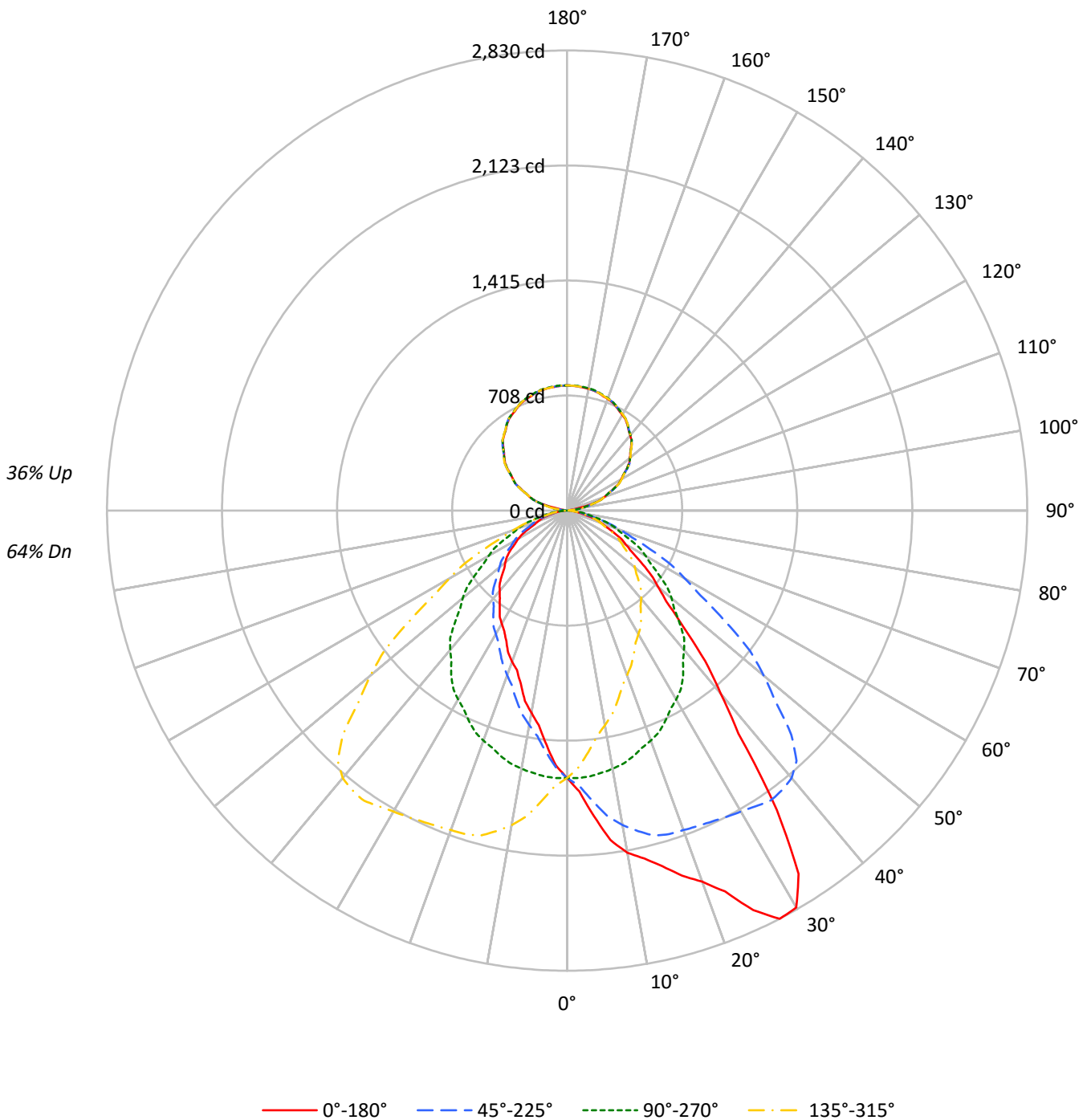
Input Watts (W): 48.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	64								
1	102	97	94	90	95	92	88	85	81	79	76	71	69	68	62	61	60	55								
2	93	86	80	75	87	81	75	71	72	68	64	63	60	57	55	53	51	47								
3	85	76	68	63	80	71	65	60	64	59	54	56	52	49	49	46	44	40								
4	78	67	59	53	73	64	57	51	57	51	47	50	46	42	44	41	38	35								
5	72	60	52	46	67	57	50	44	51	45	41	45	41	37	40	36	34	31								
6	66	54	46	40	62	51	44	39	46	40	36	41	36	33	37	33	30	27								
7	61	49	41	36	58	47	39	34	42	36	32	38	33	29	33	29	26	24								
8	57	45	37	32	54	43	35	30	38	32	28	34	30	26	31	27	24	22								
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	22	19								
10	50	38	30	25	47	36	29	25	33	27	23	29	25	21	26	22	20	18								

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

	0°	90°	180°	270°
0°	10619	10619	10619	10619
5°	12217	10633	9390	10633
10°	14014	10579	8286	10579
15°	15136	10470	7365	10470
20°	16690	10344	6801	10344
25°	19316	10177	6310	10177
30°	21020	10001	5990	10001
35°	17731	9797	5694	9797
40°	12382	9429	5440	9429
45°	9186	8933	5191	8933
50°	7324	8416	4977	8416
55°	6217	7775	4788	7775
60°	5371	7201	4481	7201
65°	4786	6580	3857	6580
70°	4205	6027	3518	6027
75°	3638	5220	3301	5220
80°	2760	4392	2760	4392
85°	2297	3453	2601	3453



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.7	2.4
10°-20°	462.1	7.0
20°-30°	732.6	11.1
30°-40°	883.5	13.3
40°-50°	789.0	11.9
50°-60°	605.0	9.1
60°-70°	393.2	5.9
70°-80°	191.2	2.9
80°-90°	47.2	0.7
90°-100°	28.0	0.4
100°-110°	172.4	2.6
110°-120°	312.6	4.7
120°-130°	401.2	6.1
130°-140°	431.5	6.5
140°-150°	405.1	6.1
150°-160°	327.7	4.9
160°-170°	211.9	3.2
170°-180°	73.1	1.1
0°-30°	1352.3	20.4
0°-40°	2235.8	33.7
0°-60°	3629.8	54.8
0°-90°	4261.4	64.3
90°-120°	513.0	7.7
90°-150°	1750.8	26.4
90°-180°	2364.0	35.7
0°-180°	6624.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1644	1644	1644	1644	1644	
5°	1884	1640	1448	1640	1884	188
15°	2264	1566	1102	1566	2264	649
25°	2711	1428	886	1428	2711	1245
35°	2249	1243	722	1243	2249	1358
45°	1006	978	568	978	1006	802
55°	552	690	425	690	552	501
65°	313	431	252	431	313	312
75°	146	209	132	209	146	155
85°	31	47	35	47	31	36
90°	14	1	14	1	14	8
95°	12	32	12	32	12	10
105°	169	168	169	168	169	153
115°	313	315	313	315	313	310
125°	448	448	448	448	448	398
135°	556	559	556	559	556	429
145°	646	648	646	648	646	403
155°	708	713	708	713	708	326
165°	748	752	748	752	748	211
175°	766	770	766	770	766	73
180°	770	770	770	770	770	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1729.5	1728.4	1730.6	1724.6	1725.2	1716.0	1716.0	1709.0	1699.8	1692.8	1689.5
5°	1884.4	1885.8	1883.1	1873.0	1866.2	1856.1	1844.6	1824.4	1807.5	1791.3	1778.5
7.5°	2044.0	2044.9	2036.0	2032.9	2015.9	2003.5	1978.0	1950.4	1926.0	1895.0	1871.2
10°	2136.9	2136.2	2126.7	2119.3	2104.5	2085.6	2060.6	2028.2	1997.8	1964.1	1931.7
12.5°	2190.9	2189.1	2186.1	2177.1	2163.3	2146.6	2125.4	2093.5	2056.1	2019.2	1981.4
15°	2263.8	2259.0	2250.3	2238.8	2219.2	2199.6	2176.0	2147.7	2111.9	2070.0	2035.0
17.5°	2353.9	2354.1	2340.6	2324.6	2298.0	2263.5	2227.0	2181.3	2132.7	2086.7	2049.3
20°	2428.4	2426.4	2412.9	2381.9	2351.5	2308.3	2266.5	2210.4	2151.0	2091.0	2044.4
22.5°	2535.4	2530.1	2516.0	2475.3	2428.2	2372.6	2308.6	2240.1	2168.3	2100.1	2039.0
25°	2710.6	2706.5	2678.8	2631.6	2565.5	2479.7	2396.0	2302.2	2199.0	2109.2	2035.0
27.5°	2830.4	2826.0	2805.5	2766.2	2705.2	2615.0	2501.7	2376.3	2247.4	2123.9	2016.9
30°	2818.6	2828.7	2826.0	2807.8	2761.9	2680.9	2576.3	2435.2	2282.0	2136.9	2009.3
32.5°	2649.0	2658.1	2681.8	2717.6	2720.3	2687.9	2609.7	2479.5	2320.9	2155.8	2003.4
35°	2248.9	2261.1	2307.0	2379.2	2473.7	2552.6	2568.8	2498.6	2356.2	2178.7	1994.5
37.5°	1728.9	1795.3	1834.0	1910.0	2052.8	2198.0	2337.7	2389.2	2328.5	2169.3	1980.0
40°	1468.7	1484.9	1553.7	1639.4	1759.6	1910.8	2109.9	2253.6	2258.4	2147.7	1957.3
42.5°	1257.0	1277.5	1324.8	1393.2	1496.1	1647.3	1852.9	2042.5	2130.4	2088.3	1927.6
45°	1005.7	1021.2	1055.6	1108.3	1187.2	1312.1	1488.9	1708.3	1882.4	1950.6	1848.0
47.5°	826.1	834.5	864.5	904.6	963.0	1054.0	1190.9	1381.3	1590.2	1736.6	1722.2
50°	728.9	738.4	761.3	791.7	841.0	917.9	1027.3	1185.9	1401.2	1580.0	1615.8
52.5°	653.3	661.2	675.5	704.2	744.9	804.0	892.3	1035.8	1229.5	1419.7	1502.4
55°	552.1	557.5	569.0	585.2	617.6	660.1	736.4	835.6	992.2	1183.8	1305.3
57.5°	468.7	471.4	478.7	493.7	516.1	547.1	602.2	686.3	798.6	971.2	1105.3
60°	415.8	418.5	427.9	438.0	455.6	483.9	527.1	585.8	693.8	836.3	971.9
62.5°	373.6	375.3	379.3	389.4	404.8	426.7	460.7	508.6	594.5	719.6	847.7
65°	313.2	313.8	315.2	323.3	332.7	348.9	371.2	405.0	469.8	564.3	677.6
67.5°	255.1	256.1	260.8	263.6	273.5	282.0	295.1	320.9	366.5	430.2	518.4
70°	222.7	222.1	226.8	230.2	233.5	243.7	252.4	273.4	301.7	350.3	423.9
72.5°	192.5	190.7	192.8	194.0	198.4	205.3	214.1	226.9	248.8	282.3	338.6
75°	145.8	146.5	146.5	147.8	151.2	153.9	156.6	163.3	175.5	197.8	228.1
77.5°	102.3	101.2	104.1	104.5	106.5	109.5	111.8	114.5	119.5	128.6	144.3
80°	74.2	74.2	74.9	76.9	76.3	77.6	81.0	83.7	89.8	95.2	100.6
82.5°	57.0	56.4	57.1	57.5	57.4	58.7	59.9	60.5	62.8	65.5	69.2
85°	31.0	31.0	31.7	31.7	32.4	32.4	33.1	33.1	33.1	33.7	34.4
87.5°	14.6	14.0	13.4	13.3	13.8	14.8	14.1	13.4	13.3	13.2	13.5
90°	13.7	13.3	12.9	12.6	12.2	11.7	11.0	10.4	9.8	9.1	8.2
92.5°	12.8	12.6	12.4	12.2	12.1	11.7	11.0	10.4	9.8	9.1	8.3
95°	12.0	12.0	12.0	12.0	12.0	11.7	11.0	10.4	9.8	9.1	13.9
97.5°	12.0	12.0	12.0	12.0	12.0	13.8	17.3	20.9	24.5	28.1	37.6
100°	12.0	12.5	13.0	13.5	14.0	23.7	42.6	61.5	80.4	99.3	98.8
102.5°	71.8	80.4	89.0	97.6	106.3	112.4	115.9	119.5	123.1	126.7	126.4
105°	169.4	169.6	169.7	169.8	170.0	170.0	170.0	170.0	170.0	170.0	170.0
107.5°	213.6	214.0	214.4	214.8	215.1	215.3	215.3	215.3	215.2	215.2	215.0
110°	244.2	244.1	243.9	243.8	243.7	243.8	244.2	244.6	245.0	245.3	245.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	271.6	271.8	271.9	272.1	272.3	272.6	273.1	273.6	274.1	274.5	274.4
115°	312.7	313.4	314.2	314.9	315.7	316.3	316.8	317.3	317.9	318.4	318.2
117.5°	356.5	356.8	357.1	357.5	357.8	358.3	358.9	359.6	360.3	360.9	360.4
120°	383.4	384.0	384.7	385.3	385.9	386.4	386.6	386.9	387.1	387.4	387.0
122.5°	409.0	409.7	410.4	411.2	411.9	412.4	412.7	412.9	413.2	413.4	413.2
125°	447.9	448.3	448.6	449.0	449.4	449.8	450.3	450.9	451.4	451.9	451.9
127.5°	480.6	481.6	482.5	483.4	484.4	485.0	485.3	485.5	485.8	486.1	486.2
130°	504.4	505.0	505.6	506.3	506.9	507.4	507.8	508.2	508.5	508.9	508.8
132.5°	526.3	526.9	527.5	528.2	528.8	529.2	529.2	529.3	529.4	529.5	529.7
135°	556.3	557.0	557.8	558.6	559.3	559.8	560.1	560.3	560.6	560.8	561.1
137.5°	586.4	587.1	587.7	588.4	589.0	589.3	589.3	589.2	589.2	589.1	589.4
140°	604.2	605.0	605.7	606.5	607.2	607.5	607.2	607.0	606.7	606.5	606.6
142.5°	621.1	621.8	622.6	623.4	624.1	624.5	624.4	624.4	624.3	624.3	624.1
145°	645.8	646.6	647.4	648.1	648.9	649.2	649.1	649.0	648.8	648.7	648.7
147.5°	666.3	667.2	668.1	669.0	669.9	670.3	670.2	670.0	669.9	669.7	669.5
150°	679.5	680.5	681.5	682.6	683.6	683.9	683.7	683.4	683.2	682.9	682.7
152.5°	691.8	692.7	693.7	694.6	695.5	695.8	695.6	695.3	695.1	694.8	694.5
155°	708.0	709.1	710.1	711.1	712.1	712.4	712.0	711.7	711.3	710.9	710.6
157.5°	721.6	722.6	723.6	724.7	725.7	726.0	725.6	725.2	724.8	724.4	724.3
160°	730.3	731.3	732.3	733.3	734.3	734.6	734.1	733.6	733.1	732.6	732.4
162.5°	738.0	739.2	740.3	741.4	742.5	742.7	742.0	741.3	740.6	739.9	739.7
165°	748.5	749.6	750.6	751.6	752.6	752.7	752.0	751.2	750.4	749.7	749.6
167.5°	755.8	757.0	758.1	759.3	760.4	760.5	759.6	758.7	757.8	756.9	756.7
170°	760.0	761.1	762.2	763.4	764.5	764.6	763.6	762.6	761.5	760.5	760.4
172.5°	762.7	763.8	765.0	766.1	767.3	767.4	766.5	765.5	764.6	763.7	763.5
175°	766.2	767.4	768.5	769.7	770.8	770.9	769.8	768.8	767.8	766.8	766.7
177.5°	768.3	769.1	769.9	770.7	771.5	771.6	770.9	770.2	769.5	768.7	768.6
180°	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1689.5	1685.7	1678.7	1672.2	1664.1	1657.1	1652.3	1646.3	1638.8	1629.6	1622.0
5°	1764.3	1749.4	1729.9	1713.0	1691.4	1674.5	1657.0	1640.1	1623.2	1601.6	1582.7
7.5°	1847.2	1816.5	1786.7	1749.2	1715.2	1684.8	1655.6	1626.1	1597.2	1566.5	1537.0
10°	1897.9	1860.8	1819.6	1772.4	1729.2	1688.0	1650.2	1613.1	1574.0	1539.5	1502.4
12.5°	1945.5	1897.5	1850.4	1790.8	1738.9	1688.6	1640.5	1594.2	1552.4	1507.7	1467.9
15°	1988.4	1941.1	1888.5	1815.6	1743.4	1682.6	1625.9	1565.9	1513.9	1463.9	1419.4
17.5°	2005.0	1955.4	1894.3	1824.2	1745.3	1668.9	1595.8	1530.0	1468.8	1410.6	1360.5
20°	1998.5	1950.6	1887.8	1821.0	1736.6	1657.0	1578.0	1505.1	1437.0	1375.5	1322.2
22.5°	1982.8	1933.3	1872.7	1802.1	1722.0	1637.5	1553.2	1475.4	1404.0	1340.4	1282.3
25°	1959.4	1891.9	1829.8	1760.9	1684.7	1601.0	1513.9	1428.2	1351.9	1287.1	1223.7
27.5°	1934.9	1850.7	1771.7	1703.3	1622.7	1548.0	1464.1	1376.2	1296.0	1230.0	1164.9
30°	1912.8	1818.3	1731.2	1653.6	1577.3	1506.5	1426.8	1341.1	1258.8	1190.6	1124.5
32.5°	1885.2	1784.8	1689.1	1599.6	1526.0	1455.7	1383.6	1301.7	1221.5	1151.2	1084.0
35°	1850.7	1722.5	1618.5	1523.3	1441.7	1373.5	1308.7	1242.6	1162.3	1089.4	1023.9
37.5°	1805.3	1659.8	1539.5	1435.9	1349.7	1281.3	1230.1	1169.7	1096.4	1026.6	965.8
40°	1777.8	1614.5	1482.8	1380.3	1289.8	1217.6	1169.7	1118.4	1051.6	986.1	925.3
42.5°	1741.1	1572.9	1425.6	1318.7	1227.7	1158.2	1109.7	1064.9	1008.9	947.2	882.1
45°	1669.1	1492.3	1337.7	1223.0	1131.2	1063.0	1017.8	978.0	935.5	878.8	822.1
47.5°	1575.4	1408.2	1246.5	1121.2	1031.3	968.0	924.1	892.7	862.3	814.1	759.0
50°	1500.4	1339.1	1181.1	1059.7	963.8	903.7	862.6	837.6	809.9	766.1	720.2
52.5°	1411.8	1267.8	1113.1	988.9	898.5	842.2	802.6	777.7	754.9	719.1	675.3
55°	1272.3	1146.1	1004.3	891.6	808.6	751.9	714.1	690.5	677.0	646.6	612.2
57.5°	1111.2	1020.8	895.8	787.1	713.7	657.7	630.0	609.9	594.6	573.2	548.9
60°	998.9	935.5	823.4	720.2	652.7	599.3	574.4	557.5	543.3	525.1	506.2
62.5°	885.0	838.8	741.4	652.7	590.6	545.9	522.5	507.3	491.0	478.7	460.3
65°	732.3	691.1	623.6	554.1	496.8	461.0	444.1	430.6	420.5	407.0	394.2
67.5°	569.7	552.9	506.3	458.4	417.2	385.4	370.8	361.4	349.2	341.1	332.3
70°	469.8	461.7	428.6	396.9	358.4	336.8	323.3	319.2	304.4	296.3	290.2
72.5°	381.2	377.4	358.4	336.4	309.3	290.4	277.9	273.4	263.9	257.4	253.5
75°	261.2	262.6	259.2	245.0	234.9	222.7	211.9	209.2	202.5	197.1	193.7
77.5°	165.2	172.1	172.4	171.7	167.7	160.2	155.8	153.8	147.1	145.1	144.3
80°	113.4	120.8	127.6	126.9	125.5	123.5	120.1	118.1	114.7	112.7	111.4
82.5°	75.6	82.5	88.1	91.8	91.5	89.5	87.2	86.3	85.6	84.1	83.8
85°	35.8	37.1	39.1	43.9	47.2	47.9	47.2	46.6	44.5	45.2	45.9
87.5°	13.9	13.7	14.1	13.9	13.1	15.6	17.1	17.4	16.5	15.6	14.8
90°	7.4	6.5	5.6	4.6	3.6	2.6	1.6	0.6	1.6	2.6	3.6
92.5°	7.6	6.8	6.0	5.9	6.7	7.4	8.1	8.8	8.1	7.4	6.7
95°	18.8	23.6	28.4	31.0	31.4	31.8	32.1	32.5	32.1	31.8	31.4
97.5°	47.1	56.7	66.2	70.6	69.9	69.3	68.6	67.9	68.6	69.3	69.9
100°	98.3	97.8	97.2	96.8	96.4	96.0	95.7	95.3	95.7	96.0	96.4
102.5°	126.1	125.7	125.4	125.0	124.6	124.1	123.6	123.1	123.6	124.1	124.6
105°	170.0	170.0	170.0	169.8	169.3	168.8	168.2	167.7	168.2	168.8	169.3
107.5°	214.7	214.4	214.2	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
110°	244.8	244.6	244.3	244.2	244.2	244.2	244.2	244.2	244.2	244.2	244.2





TEST NUMBER: P333586

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	274.2	274.1	273.9	273.7	273.4	273.1	272.8	272.5	272.8	273.1	273.4
115°	318.1	318.0	317.9	317.5	316.8	316.2	315.6	314.9	315.6	316.2	316.8
117.5°	360.0	359.5	359.0	358.8	358.8	358.8	358.8	358.9	358.8	358.8	358.8
120°	386.6	386.3	385.9	385.7	385.9	386.0	386.1	386.3	386.1	386.0	385.9
122.5°	413.1	412.9	412.7	412.4	411.9	411.4	410.9	410.4	410.9	411.4	411.9
125°	451.9	451.9	451.9	451.4	450.5	449.6	448.8	447.9	448.8	449.6	450.5
127.5°	486.3	486.3	486.4	486.1	485.5	484.9	484.2	483.6	484.2	484.9	485.5
130°	508.7	508.5	508.4	508.0	507.4	506.8	506.1	505.5	506.1	506.8	507.4
132.5°	530.0	530.3	530.6	530.3	529.6	528.9	528.1	527.4	528.1	528.9	529.6
135°	561.3	561.6	561.9	561.6	560.8	560.1	559.3	558.6	559.3	560.1	560.8
137.5°	589.6	589.8	590.1	589.8	589.2	588.5	587.9	587.2	587.9	588.5	589.2
140°	606.7	606.9	607.0	606.9	606.7	606.4	606.2	605.9	606.2	606.4	606.7
142.5°	623.9	623.8	623.6	623.4	623.3	623.1	623.0	622.8	623.0	623.1	623.3
145°	648.7	648.7	648.7	648.6	648.3	648.1	647.8	647.6	647.8	648.1	648.3
147.5°	669.4	669.2	669.1	669.0	669.1	669.1	669.2	669.2	669.2	669.1	669.1
150°	682.4	682.2	681.9	681.9	682.2	682.4	682.7	682.9	682.7	682.4	682.2
152.5°	694.3	694.0	693.8	693.9	694.5	695.1	695.6	696.2	695.6	695.1	694.5
155°	710.4	710.1	709.9	710.1	710.9	711.7	712.4	713.2	712.4	711.7	710.9
157.5°	724.3	724.3	724.3	724.5	724.9	725.4	725.8	726.3	725.8	725.4	724.9
160°	732.3	732.2	732.1	732.4	733.1	733.9	734.7	735.4	734.7	733.9	733.1
162.5°	739.6	739.5	739.4	739.7	740.4	741.2	742.0	742.7	742.0	741.2	740.4
165°	749.4	749.3	749.2	749.5	750.3	751.0	751.8	752.5	751.8	751.0	750.3
167.5°	756.6	756.5	756.4	756.7	757.5	758.3	759.1	759.8	759.1	758.3	757.5
170°	760.3	760.1	760.0	760.4	761.3	762.2	763.1	764.0	763.1	762.2	761.3
172.5°	763.3	763.0	762.8	763.1	764.0	764.9	765.8	766.7	765.8	764.9	764.0
175°	766.6	766.4	766.3	766.6	767.4	768.1	768.9	769.7	768.9	768.1	767.4
177.5°	768.5	768.4	768.3	768.6	769.2	769.8	770.4	771.0	770.4	769.8	769.2
180°	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7



TEST NUMBER: P333586

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1616.6	1609.1	1603.7	1592.9	1585.3	1582.1	1576.1	1574.5	1580.4	1576.1	1575.6
5°	1568.6	1549.0	1533.5	1517.9	1501.1	1490.3	1474.1	1471.4	1467.3	1461.2	1459.9
7.5°	1510.9	1485.4	1465.4	1439.8	1417.5	1399.6	1379.3	1369.7	1364.5	1356.6	1346.1
10°	1472.0	1441.7	1414.7	1389.0	1361.4	1339.1	1318.8	1303.3	1293.2	1283.7	1279.7
12.5°	1433.7	1402.8	1368.2	1337.2	1306.3	1281.3	1258.9	1248.8	1237.6	1226.5	1217.1
15°	1374.2	1333.0	1295.2	1259.4	1233.1	1206.1	1184.5	1169.7	1152.8	1148.1	1129.9
17.5°	1311.0	1270.6	1226.4	1188.7	1158.2	1128.5	1104.7	1087.9	1075.2	1057.8	1049.4
20°	1271.6	1223.7	1180.5	1146.1	1112.3	1077.2	1052.9	1038.7	1026.6	1012.4	1005.7
22.5°	1229.5	1182.6	1138.4	1098.0	1063.7	1029.2	1011.9	997.2	983.4	970.3	961.4
25°	1167.6	1120.4	1073.8	1032.0	996.2	971.2	951.0	934.1	926.7	913.9	904.4
27.5°	1106.5	1056.3	1008.0	966.2	938.2	913.5	896.9	883.5	870.1	858.9	850.7
30°	1067.1	1015.8	963.1	930.1	900.4	876.7	858.5	845.7	835.6	825.5	819.4
32.5°	1027.7	974.8	928.0	892.3	864.2	843.8	825.0	812.8	802.1	790.9	783.7
35°	964.5	910.5	872.7	837.6	809.9	791.0	778.2	760.7	751.9	743.8	736.4
37.5°	905.8	855.6	814.7	783.9	759.8	741.1	724.5	715.0	704.2	696.9	690.7
40°	862.6	816.7	779.6	747.2	729.6	708.7	693.2	681.0	672.9	663.5	656.7
42.5°	823.7	781.0	745.0	715.8	694.0	676.3	661.3	649.2	638.9	632.2	626.5
45°	768.8	726.2	691.1	664.1	643.9	627.0	611.5	605.4	591.9	583.8	581.1
47.5°	711.9	673.9	640.0	615.1	594.4	578.4	563.8	551.4	544.0	536.0	531.7
50°	673.6	637.1	605.4	581.1	560.9	543.3	529.8	521.7	511.6	504.2	498.8
52.5°	635.3	601.5	569.8	546.6	529.0	511.5	496.4	488.3	478.7	473.9	470.2
55°	580.5	544.7	517.7	494.7	476.5	460.3	446.1	438.0	432.0	427.2	425.9
57.5°	518.4	490.0	464.9	444.2	425.3	410.1	397.7	390.0	384.6	383.9	379.9
60°	477.9	452.2	429.3	407.0	390.8	376.6	365.8	357.0	351.6	351.0	349.6
62.5°	437.4	412.8	391.5	371.9	357.3	343.7	333.4	323.6	320.3	317.0	314.0
65°	377.3	355.0	337.5	321.9	306.4	294.9	284.8	278.8	271.3	267.3	259.9
67.5°	318.3	301.0	284.2	271.1	258.9	248.0	239.6	230.6	225.6	222.3	216.9
70°	279.4	265.9	249.1	234.9	225.4	216.7	209.9	199.8	196.4	193.7	191.0
72.5°	242.7	230.8	216.7	205.2	195.7	187.5	179.7	174.9	171.6	168.9	167.3
75°	191.0	179.5	167.4	159.3	152.5	145.8	141.7	138.4	137.0	136.3	133.6
77.5°	140.3	134.2	124.5	118.0	113.5	110.8	107.2	105.4	105.3	102.3	101.4
80°	107.3	103.9	95.8	93.1	89.8	87.1	85.0	81.7	78.3	76.9	74.9
82.5°	79.8	76.4	73.2	68.8	66.0	64.4	62.4	61.1	61.6	59.7	58.7
85°	42.5	39.1	37.8	37.1	35.8	37.1	36.4	35.8	35.1	34.4	35.1
87.5°	14.4	14.6	14.3	15.5	14.1	14.8	14.9	14.5	14.6	14.8	14.3
90°	4.6	5.6	6.5	7.4	8.2	9.1	9.8	10.4	11.0	11.7	12.2
92.5°	5.9	6.0	6.8	7.6	8.3	9.1	9.8	10.4	11.0	11.7	12.1
95°	31.0	28.4	23.6	18.8	13.9	9.1	9.8	10.4	11.0	11.7	12.0
97.5°	70.6	66.2	56.7	47.1	37.6	28.1	24.5	20.9	17.3	13.8	12.0
100°	96.8	97.2	97.8	98.3	98.8	99.3	80.4	61.5	42.6	23.7	14.0
102.5°	125.0	125.4	125.7	126.1	126.4	126.7	123.1	119.5	115.9	112.4	106.3
105°	169.8	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
107.5°	214.1	214.2	214.4	214.7	215.0	215.2	215.2	215.3	215.3	215.3	215.1
110°	244.2	244.3	244.6	244.8	245.1	245.3	245.0	244.6	244.2	243.8	243.7



TEST NUMBER: P333586

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	273.7	273.9	274.1	274.2	274.4	274.5	274.1	273.6	273.1	272.6	272.3
115°	317.5	317.9	318.0	318.1	318.2	318.4	317.9	317.3	316.8	316.3	315.7
117.5°	358.8	359.0	359.5	360.0	360.4	360.9	360.3	359.6	358.9	358.3	357.8
120°	385.7	385.9	386.3	386.6	387.0	387.4	387.1	386.9	386.6	386.4	385.9
122.5°	412.4	412.7	412.9	413.1	413.2	413.4	413.2	412.9	412.7	412.4	411.9
125°	451.4	451.9	451.9	451.9	451.9	451.9	451.4	450.9	450.3	449.8	449.4
127.5°	486.1	486.4	486.3	486.3	486.2	486.1	485.8	485.5	485.3	485.0	484.4
130°	508.0	508.4	508.5	508.7	508.8	508.9	508.5	508.2	507.8	507.4	506.9
132.5°	530.3	530.6	530.3	530.0	529.7	529.5	529.4	529.3	529.2	529.2	528.8
135°	561.6	561.9	561.6	561.3	561.1	560.8	560.6	560.3	560.1	559.8	559.3
137.5°	589.8	590.1	589.8	589.6	589.4	589.1	589.2	589.2	589.3	589.3	589.0
140°	606.9	607.0	606.9	606.7	606.6	606.5	606.7	607.0	607.2	607.5	607.2
142.5°	623.4	623.6	623.8	623.9	624.1	624.3	624.3	624.4	624.4	624.5	624.1
145°	648.6	648.7	648.7	648.7	648.7	648.7	648.8	649.0	649.1	649.2	648.9
147.5°	669.0	669.1	669.2	669.4	669.5	669.7	669.9	670.0	670.2	670.3	669.9
150°	681.9	681.9	682.2	682.4	682.7	682.9	683.2	683.4	683.7	683.9	683.6
152.5°	693.9	693.8	694.0	694.3	694.5	694.8	695.1	695.3	695.6	695.8	695.5
155°	710.1	709.9	710.1	710.4	710.6	710.9	711.3	711.7	712.0	712.4	712.1
157.5°	724.5	724.3	724.3	724.3	724.3	724.4	724.8	725.2	725.6	726.0	725.7
160°	732.4	732.1	732.2	732.3	732.4	732.6	733.1	733.6	734.1	734.6	734.3
162.5°	739.7	739.4	739.5	739.6	739.7	739.9	740.6	741.3	742.0	742.7	742.5
165°	749.5	749.2	749.3	749.4	749.6	749.7	750.4	751.2	752.0	752.7	752.6
167.5°	756.7	756.4	756.5	756.6	756.7	756.9	757.8	758.7	759.6	760.5	760.4
170°	760.4	760.0	760.1	760.3	760.4	760.5	761.5	762.6	763.6	764.6	764.5
172.5°	763.1	762.8	763.0	763.3	763.5	763.7	764.6	765.5	766.5	767.4	767.3
175°	766.6	766.3	766.4	766.6	766.7	766.8	767.8	768.8	769.8	770.9	770.8
177.5°	768.6	768.3	768.4	768.5	768.6	768.7	769.5	770.2	770.9	771.6	771.5
180°	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7



TEST NUMBER: P333586

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1575.0	1569.1	1567.5	1569.6	1567.5	1569.1	1575.0	1575.6	1576.1	1580.4	1574.5
5°	1453.2	1446.4	1449.8	1448.4	1449.8	1446.4	1453.2	1459.9	1461.2	1467.3	1471.4
7.5°	1346.0	1337.6	1328.7	1331.5	1328.7	1337.6	1346.0	1346.1	1356.6	1364.5	1369.7
10°	1270.9	1264.2	1260.1	1263.5	1260.1	1264.2	1270.9	1279.7	1283.7	1293.2	1303.3
12.5°	1207.7	1203.7	1200.2	1198.7	1200.2	1203.7	1207.7	1217.1	1226.5	1237.6	1248.8
15°	1121.8	1113.7	1110.3	1101.5	1110.3	1113.7	1121.8	1129.9	1148.1	1152.8	1169.7
17.5°	1042.5	1039.8	1031.0	1027.3	1031.0	1039.8	1042.5	1049.4	1057.8	1075.2	1087.9
20°	995.5	992.8	984.1	989.5	984.1	992.8	995.5	1005.7	1012.4	1026.6	1038.7
22.5°	956.7	950.7	947.9	946.3	947.9	950.7	956.7	961.4	970.3	983.4	997.2
25°	901.7	892.9	889.6	885.5	889.6	892.9	901.7	904.4	913.9	926.7	934.1
27.5°	846.9	842.2	837.7	836.7	837.7	842.2	846.9	850.7	858.9	870.1	883.5
30°	811.3	806.6	803.2	803.2	803.2	806.6	811.3	819.4	825.5	835.6	845.7
32.5°	779.4	775.8	772.4	771.9	772.4	775.8	779.4	783.7	790.9	802.1	812.8
35°	733.0	727.6	726.2	722.2	726.2	727.6	733.0	736.4	743.8	751.9	760.7
37.5°	684.8	680.3	680.2	679.8	680.2	680.3	684.8	690.7	696.9	704.2	715.0
40°	654.0	650.6	650.0	645.2	650.0	650.6	654.0	656.7	663.5	672.9	681.0
42.5°	621.1	619.3	617.0	615.0	617.0	619.3	621.1	626.5	632.2	638.9	649.2
45°	576.4	571.7	571.7	568.3	571.7	571.7	576.4	581.1	583.8	591.9	605.4
47.5°	530.2	526.6	527.0	523.5	527.0	526.6	530.2	531.7	536.0	544.0	551.4
50°	499.5	497.4	496.8	495.4	496.8	497.4	499.5	498.8	504.2	511.6	521.7
52.5°	468.7	467.7	470.3	467.3	470.3	467.7	468.7	470.2	473.9	478.7	488.3
55°	427.2	425.2	429.3	425.2	429.3	425.2	427.2	425.9	427.2	432.0	438.0
57.5°	379.6	377.7	381.3	379.3	381.3	377.7	379.6	379.9	383.9	384.6	390.0
60°	348.3	344.2	346.2	346.9	346.2	344.2	348.3	349.6	351.0	351.6	357.0
62.5°	311.0	308.6	310.1	307.0	310.1	308.6	311.0	314.0	317.0	320.3	323.6
65°	258.5	256.5	253.8	252.4	253.8	256.5	258.5	259.9	267.3	271.3	278.8
67.5°	217.2	212.3	212.2	213.3	212.2	212.3	217.2	216.9	222.3	225.6	230.6
70°	187.0	187.0	186.3	186.3	186.3	187.0	187.0	191.0	193.7	196.4	199.8
72.5°	165.9	165.4	164.1	163.6	164.1	165.4	165.9	167.3	168.9	171.6	174.9
75°	133.6	134.3	133.0	132.3	133.0	134.3	133.6	133.6	136.3	137.0	138.4
77.5°	98.7	95.8	97.3	95.8	97.3	95.8	98.7	101.4	102.3	105.3	105.4
80°	74.9	74.2	76.3	74.2	76.3	74.2	74.9	74.9	76.9	78.3	81.7
82.5°	59.3	58.6	59.5	58.0	59.5	58.6	59.3	58.7	59.7	61.6	61.1
85°	35.8	35.1	34.4	35.1	34.4	35.1	35.8	35.1	34.4	35.1	35.8
87.5°	14.9	14.5	14.5	14.6	14.5	14.5	14.9	14.3	14.8	14.6	14.5
90°	12.6	12.9	13.3	13.7	13.3	12.9	12.6	12.2	11.7	11.0	10.4
92.5°	12.2	12.4	12.6	12.8	12.6	12.4	12.2	12.1	11.7	11.0	10.4
95°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.7	11.0	10.4
97.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	13.8	17.3	20.9
100°	13.5	13.0	12.5	12.0	12.5	13.0	13.5	14.0	23.7	42.6	61.5
102.5°	97.6	89.0	80.4	71.8	80.4	89.0	97.6	106.3	112.4	115.9	119.5
105°	169.8	169.7	169.6	169.4	169.6	169.7	169.8	170.0	170.0	170.0	170.0
107.5°	214.8	214.4	214.0	213.6	214.0	214.4	214.8	215.1	215.3	215.3	215.3
110°	243.8	243.9	244.1	244.2	244.1	243.9	243.8	243.7	243.8	244.2	244.6



TEST NUMBER: P333586

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	272.1	271.9	271.8	271.6	271.8	271.9	272.1	272.3	272.6	273.1	273.6
115°	314.9	314.2	313.4	312.7	313.4	314.2	314.9	315.7	316.3	316.8	317.3
117.5°	357.5	357.1	356.8	356.5	356.8	357.1	357.5	357.8	358.3	358.9	359.6
120°	385.3	384.7	384.0	383.4	384.0	384.7	385.3	385.9	386.4	386.6	386.9
122.5°	411.2	410.4	409.7	409.0	409.7	410.4	411.2	411.9	412.4	412.7	412.9
125°	449.0	448.6	448.3	447.9	448.3	448.6	449.0	449.4	449.8	450.3	450.9
127.5°	483.4	482.5	481.6	480.6	481.6	482.5	483.4	484.4	485.0	485.3	485.5
130°	506.3	505.6	505.0	504.4	505.0	505.6	506.3	506.9	507.4	507.8	508.2
132.5°	528.2	527.5	526.9	526.3	526.9	527.5	528.2	528.8	529.2	529.2	529.3
135°	558.6	557.8	557.0	556.3	557.0	557.8	558.6	559.3	559.8	560.1	560.3
137.5°	588.4	587.7	587.1	586.4	587.1	587.7	588.4	589.0	589.3	589.3	589.2
140°	606.5	605.7	605.0	604.2	605.0	605.7	606.5	607.2	607.5	607.2	607.0
142.5°	623.4	622.6	621.8	621.1	621.8	622.6	623.4	624.1	624.5	624.4	624.4
145°	648.1	647.4	646.6	645.8	646.6	647.4	648.1	648.9	649.2	649.1	649.0
147.5°	669.0	668.1	667.2	666.3	667.2	668.1	669.0	669.9	670.3	670.2	670.0
150°	682.6	681.5	680.5	679.5	680.5	681.5	682.6	683.6	683.9	683.7	683.4
152.5°	694.6	693.7	692.7	691.8	692.7	693.7	694.6	695.5	695.8	695.6	695.3
155°	711.1	710.1	709.1	708.0	709.1	710.1	711.1	712.1	712.4	712.0	711.7
157.5°	724.7	723.6	722.6	721.6	722.6	723.6	724.7	725.7	726.0	725.6	725.2
160°	733.3	732.3	731.3	730.3	731.3	732.3	733.3	734.3	734.6	734.1	733.6
162.5°	741.4	740.3	739.2	738.0	739.2	740.3	741.4	742.5	742.7	742.0	741.3
165°	751.6	750.6	749.6	748.5	749.6	750.6	751.6	752.6	752.7	752.0	751.2
167.5°	759.3	758.1	757.0	755.8	757.0	758.1	759.3	760.4	760.5	759.6	758.7
170°	763.4	762.2	761.1	760.0	761.1	762.2	763.4	764.5	764.6	763.6	762.6
172.5°	766.1	765.0	763.8	762.7	763.8	765.0	766.1	767.3	767.4	766.5	765.5
175°	769.7	768.5	767.4	766.2	767.4	768.5	769.7	770.8	770.9	769.8	768.8
177.5°	770.7	769.9	769.1	768.3	769.1	769.9	770.7	771.5	771.6	770.9	770.2
180°	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7



TEST NUMBER: P333586

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1576.1	1582.1	1585.3	1592.9	1603.7	1609.1	1616.6	1622.0	1629.6	1638.8	1646.3
5°	1474.1	1490.3	1501.1	1517.9	1533.5	1549.0	1568.6	1582.7	1601.6	1623.2	1640.1
7.5°	1379.3	1399.6	1417.5	1439.8	1465.4	1485.4	1510.9	1537.0	1566.5	1597.2	1626.1
10°	1318.8	1339.1	1361.4	1389.0	1414.7	1441.7	1472.0	1502.4	1539.5	1574.0	1613.1
12.5°	1258.9	1281.3	1306.3	1337.2	1368.2	1402.8	1433.7	1467.9	1507.7	1552.4	1594.2
15°	1184.5	1206.1	1233.1	1259.4	1295.2	1333.0	1374.2	1419.4	1463.9	1513.9	1565.9
17.5°	1104.7	1128.5	1158.2	1188.7	1226.4	1270.6	1311.0	1360.5	1410.6	1468.8	1530.0
20°	1052.9	1077.2	1112.3	1146.1	1180.5	1223.7	1271.6	1322.2	1375.5	1437.0	1505.1
22.5°	1011.9	1029.2	1063.7	1098.0	1138.4	1182.6	1229.5	1282.3	1340.4	1404.0	1475.4
25°	951.0	971.2	996.2	1032.0	1073.8	1120.4	1167.6	1223.7	1287.1	1351.9	1428.2
27.5°	896.9	913.5	938.2	966.2	1008.0	1056.3	1106.5	1164.9	1230.0	1296.0	1376.2
30°	858.5	876.7	900.4	930.1	963.1	1015.8	1067.1	1124.5	1190.6	1258.8	1341.1
32.5°	825.0	843.8	864.2	892.3	928.0	974.8	1027.7	1084.0	1151.2	1221.5	1301.7
35°	778.2	791.0	809.9	837.6	872.7	910.5	964.5	1023.9	1089.4	1162.3	1242.6
37.5°	724.5	741.1	759.8	783.9	814.7	855.6	905.8	965.8	1026.6	1096.4	1169.7
40°	693.2	708.7	729.6	747.2	779.6	816.7	862.6	925.3	986.1	1051.6	1118.4
42.5°	661.3	676.3	694.0	715.8	745.0	781.0	823.7	882.1	947.2	1008.9	1064.9
45°	611.5	627.0	643.9	664.1	691.1	726.2	768.8	822.1	878.8	935.5	978.0
47.5°	563.8	578.4	594.4	615.1	640.0	673.9	711.9	759.0	814.1	862.3	892.7
50°	529.8	543.3	560.9	581.1	605.4	637.1	673.6	720.2	766.1	809.9	837.6
52.5°	496.4	511.5	529.0	546.6	569.8	601.5	635.3	675.3	719.1	754.9	777.7
55°	446.1	460.3	476.5	494.7	517.7	544.7	580.5	612.2	646.6	677.0	690.5
57.5°	397.7	410.1	425.3	444.2	464.9	490.0	518.4	548.9	573.2	594.6	609.9
60°	365.8	376.6	390.8	407.0	429.3	452.2	477.9	506.2	525.1	543.3	557.5
62.5°	333.4	343.7	357.3	371.9	391.5	412.8	437.4	460.3	478.7	491.0	507.3
65°	284.8	294.9	306.4	321.9	337.5	355.0	377.3	394.2	407.0	420.5	430.6
67.5°	239.6	248.0	258.9	271.1	284.2	301.0	318.3	332.3	341.1	349.2	361.4
70°	209.9	216.7	225.4	234.9	249.1	265.9	279.4	290.2	296.3	304.4	319.2
72.5°	179.7	187.5	195.7	205.2	216.7	230.8	242.7	253.5	257.4	263.9	273.4
75°	141.7	145.8	152.5	159.3	167.4	179.5	191.0	193.7	197.1	202.5	209.2
77.5°	107.2	110.8	113.5	118.0	124.5	134.2	140.3	144.3	145.1	147.1	153.8
80°	85.0	87.1	89.8	93.1	95.8	103.9	107.3	111.4	112.7	114.7	118.1
82.5°	62.4	64.4	66.0	68.8	73.2	76.4	79.8	83.8	84.1	85.6	86.3
85°	36.4	37.1	35.8	37.1	37.8	39.1	42.5	45.9	45.2	44.5	46.6
87.5°	14.9	14.8	14.1	15.5	14.3	14.6	14.4	14.8	15.6	16.5	17.4
90°	9.8	9.1	8.2	7.4	6.5	5.6	4.6	3.6	2.6	1.6	0.6
92.5°	9.8	9.1	8.3	7.6	6.8	6.0	5.9	6.7	7.4	8.1	8.8
95°	9.8	9.1	13.9	18.8	23.6	28.4	31.0	31.4	31.8	32.1	32.5
97.5°	24.5	28.1	37.6	47.1	56.7	66.2	70.6	69.9	69.3	68.6	67.9
100°	80.4	99.3	98.8	98.3	97.8	97.2	96.8	96.4	96.0	95.7	95.3
102.5°	123.1	126.7	126.4	126.1	125.7	125.4	125.0	124.6	124.1	123.6	123.1
105°	170.0	170.0	170.0	170.0	170.0	170.0	169.8	169.3	168.8	168.2	167.7
107.5°	215.2	215.2	215.0	214.7	214.4	214.2	214.1	214.1	214.1	214.1	214.1
110°	245.0	245.3	245.1	244.8	244.6	244.3	244.2	244.2	244.2	244.2	244.2



TEST NUMBER: P333586

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	274.1	274.5	274.4	274.2	274.1	273.9	273.7	273.4	273.1	272.8	272.5
115°	317.9	318.4	318.2	318.1	318.0	317.9	317.5	316.8	316.2	315.6	314.9
117.5°	360.3	360.9	360.4	360.0	359.5	359.0	358.8	358.8	358.8	358.8	358.9
120°	387.1	387.4	387.0	386.6	386.3	385.9	385.7	385.9	386.0	386.1	386.3
122.5°	413.2	413.4	413.2	413.1	412.9	412.7	412.4	411.9	411.4	410.9	410.4
125°	451.4	451.9	451.9	451.9	451.9	451.9	451.4	450.5	449.6	448.8	447.9
127.5°	485.8	486.1	486.2	486.3	486.3	486.4	486.1	485.5	484.9	484.2	483.6
130°	508.5	508.9	508.8	508.7	508.5	508.4	508.0	507.4	506.8	506.1	505.5
132.5°	529.4	529.5	529.7	530.0	530.3	530.6	530.3	529.6	528.9	528.1	527.4
135°	560.6	560.8	561.1	561.3	561.6	561.9	561.6	560.8	560.1	559.3	558.6
137.5°	589.2	589.1	589.4	589.6	589.8	590.1	589.8	589.2	588.5	587.9	587.2
140°	606.7	606.5	606.6	606.7	606.9	607.0	606.9	606.7	606.4	606.2	605.9
142.5°	624.3	624.3	624.1	623.9	623.8	623.6	623.4	623.3	623.1	623.0	622.8
145°	648.8	648.7	648.7	648.7	648.7	648.7	648.6	648.3	648.1	647.8	647.6
147.5°	669.9	669.7	669.5	669.4	669.2	669.1	669.0	669.1	669.1	669.2	669.2
150°	683.2	682.9	682.7	682.4	682.2	681.9	681.9	682.2	682.4	682.7	682.9
152.5°	695.1	694.8	694.5	694.3	694.0	693.8	693.9	694.5	695.1	695.6	696.2
155°	711.3	710.9	710.6	710.4	710.1	709.9	710.1	710.9	711.7	712.4	713.2
157.5°	724.8	724.4	724.3	724.3	724.3	724.3	724.5	724.9	725.4	725.8	726.3
160°	733.1	732.6	732.4	732.3	732.2	732.1	732.4	733.1	733.9	734.7	735.4
162.5°	740.6	739.9	739.7	739.6	739.5	739.4	739.7	740.4	741.2	742.0	742.7
165°	750.4	749.7	749.6	749.4	749.3	749.2	749.5	750.3	751.0	751.8	752.5
167.5°	757.8	756.9	756.7	756.6	756.5	756.4	756.7	757.5	758.3	759.1	759.8
170°	761.5	760.5	760.4	760.3	760.1	760.0	760.4	761.3	762.2	763.1	764.0
172.5°	764.6	763.7	763.5	763.3	763.0	762.8	763.1	764.0	764.9	765.8	766.7
175°	767.8	766.8	766.7	766.6	766.4	766.3	766.6	767.4	768.1	768.9	769.7
177.5°	769.5	768.7	768.6	768.5	768.4	768.3	768.6	769.2	769.8	770.4	771.0
180°	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7



TEST NUMBER: P333586

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1652.3	1657.1	1664.1	1672.2	1678.7	1685.7	1689.5	1689.5	1692.8	1699.8	1709.0
5°	1657.0	1674.5	1691.4	1713.0	1729.9	1749.4	1764.3	1778.5	1791.3	1807.5	1824.4
7.5°	1655.6	1684.8	1715.2	1749.2	1786.7	1816.5	1847.2	1871.2	1895.0	1926.0	1950.4
10°	1650.2	1688.0	1729.2	1772.4	1819.6	1860.8	1897.9	1931.7	1964.1	1997.8	2028.2
12.5°	1640.5	1688.6	1738.9	1790.8	1850.4	1897.5	1945.5	1981.4	2019.2	2056.1	2093.5
15°	1625.9	1682.6	1743.4	1815.6	1888.5	1941.1	1988.4	2035.0	2070.0	2111.9	2147.7
17.5°	1595.8	1668.9	1745.3	1824.2	1894.3	1955.4	2005.0	2049.3	2086.7	2132.7	2181.3
20°	1578.0	1657.0	1736.6	1821.0	1887.8	1950.6	1998.5	2044.4	2091.0	2151.0	2210.4
22.5°	1553.2	1637.5	1722.0	1802.1	1872.7	1933.3	1982.8	2039.0	2100.1	2168.3	2240.1
25°	1513.9	1601.0	1684.7	1760.9	1829.8	1891.9	1959.4	2035.0	2109.2	2199.0	2302.2
27.5°	1464.1	1548.0	1622.7	1703.3	1771.7	1850.7	1934.9	2016.9	2123.9	2247.4	2376.3
30°	1426.8	1506.5	1577.3	1653.6	1731.2	1818.3	1912.8	2009.3	2136.9	2282.0	2435.2
32.5°	1383.6	1455.7	1526.0	1599.6	1689.1	1784.8	1885.2	2003.4	2155.8	2320.9	2479.5
35°	1308.7	1373.5	1441.7	1523.3	1618.5	1722.5	1850.7	1994.5	2178.7	2356.2	2498.6
37.5°	1230.1	1281.3	1349.7	1435.9	1539.5	1659.8	1805.3	1980.0	2169.3	2328.5	2389.2
40°	1169.7	1217.6	1289.8	1380.3	1482.8	1614.5	1777.8	1957.3	2147.7	2258.4	2253.6
42.5°	1109.7	1158.2	1227.7	1318.7	1425.6	1572.9	1741.1	1927.6	2088.3	2130.4	2042.5
45°	1017.8	1063.0	1131.2	1223.0	1337.7	1492.3	1669.1	1848.0	1950.6	1882.4	1708.3
47.5°	924.1	968.0	1031.3	1121.2	1246.5	1408.2	1575.4	1722.2	1736.6	1590.2	1381.3
50°	862.6	903.7	963.8	1059.7	1181.1	1339.1	1500.4	1615.8	1580.0	1401.2	1185.9
52.5°	802.6	842.2	898.5	988.9	1113.1	1267.8	1411.8	1502.4	1419.7	1229.5	1035.8
55°	714.1	751.9	808.6	891.6	1004.3	1146.1	1272.3	1305.3	1183.8	992.2	835.6
57.5°	630.0	657.7	713.7	787.1	895.8	1020.8	1111.2	1105.3	971.2	798.6	686.3
60°	574.4	599.3	652.7	720.2	823.4	935.5	998.9	971.9	836.3	693.8	585.8
62.5°	522.5	545.9	590.6	652.7	741.4	838.8	885.0	847.7	719.6	594.5	508.6
65°	444.1	461.0	496.8	554.1	623.6	691.1	732.3	677.6	564.3	469.8	405.0
67.5°	370.8	385.4	417.2	458.4	506.3	552.9	569.7	518.4	430.2	366.5	320.9
70°	323.3	336.8	358.4	396.9	428.6	461.7	469.8	423.9	350.3	301.7	273.4
72.5°	277.9	290.4	309.3	336.4	358.4	377.4	381.2	338.6	282.3	248.8	226.9
75°	211.9	222.7	234.9	245.0	259.2	262.6	261.2	228.1	197.8	175.5	163.3
77.5°	155.8	160.2	167.7	171.7	172.4	172.1	165.2	144.3	128.6	119.5	114.5
80°	120.1	123.5	125.5	126.9	127.6	120.8	113.4	100.6	95.2	89.8	83.7
82.5°	87.2	89.5	91.5	91.8	88.1	82.5	75.6	69.2	65.5	62.8	60.5
85°	47.2	47.9	47.2	43.9	39.1	37.1	35.8	34.4	33.7	33.1	33.1
87.5°	17.1	15.6	13.1	13.9	14.1	13.7	13.9	13.5	13.2	13.3	13.4
90°	1.6	2.6	3.6	4.6	5.6	6.5	7.4	8.2	9.1	9.8	10.4
92.5°	8.1	7.4	6.7	5.9	6.0	6.8	7.6	8.3	9.1	9.8	10.4
95°	32.1	31.8	31.4	31.0	28.4	23.6	18.8	13.9	9.1	9.8	10.4
97.5°	68.6	69.3	69.9	70.6	66.2	56.7	47.1	37.6	28.1	24.5	20.9
100°	95.7	96.0	96.4	96.8	97.2	97.8	98.3	98.8	99.3	80.4	61.5
102.5°	123.6	124.1	124.6	125.0	125.4	125.7	126.1	126.4	126.7	123.1	119.5
105°	168.2	168.8	169.3	169.8	170.0	170.0	170.0	170.0	170.0	170.0	170.0
107.5°	214.1	214.1	214.1	214.1	214.2	214.4	214.7	215.0	215.2	215.2	215.3
110°	244.2	244.2	244.2	244.2	244.3	244.6	244.8	245.1	245.3	245.0	244.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	272.8	273.1	273.4	273.7	273.9	274.1	274.2	274.4	274.5	274.1	273.6
115°	315.6	316.2	316.8	317.5	317.9	318.0	318.1	318.2	318.4	317.9	317.3
117.5°	358.8	358.8	358.8	358.8	359.0	359.5	360.0	360.4	360.9	360.3	359.6
120°	386.1	386.0	385.9	385.7	385.9	386.3	386.6	387.0	387.4	387.1	386.9
122.5°	410.9	411.4	411.9	412.4	412.7	412.9	413.1	413.2	413.4	413.2	412.9
125°	448.8	449.6	450.5	451.4	451.9	451.9	451.9	451.9	451.9	451.4	450.9
127.5°	484.2	484.9	485.5	486.1	486.4	486.3	486.3	486.2	486.1	485.8	485.5
130°	506.1	506.8	507.4	508.0	508.4	508.5	508.7	508.8	508.9	508.5	508.2
132.5°	528.1	528.9	529.6	530.3	530.6	530.3	530.0	529.7	529.5	529.4	529.3
135°	559.3	560.1	560.8	561.6	561.9	561.6	561.3	561.1	560.8	560.6	560.3
137.5°	587.9	588.5	589.2	589.8	590.1	589.8	589.6	589.4	589.1	589.2	589.2
140°	606.2	606.4	606.7	606.9	607.0	606.9	606.7	606.6	606.5	606.7	607.0
142.5°	623.0	623.1	623.3	623.4	623.6	623.8	623.9	624.1	624.3	624.3	624.4
145°	647.8	648.1	648.3	648.6	648.7	648.7	648.7	648.7	648.7	648.8	649.0
147.5°	669.2	669.1	669.1	669.0	669.1	669.2	669.4	669.5	669.7	669.9	670.0
150°	682.7	682.4	682.2	681.9	681.9	682.2	682.4	682.7	682.9	683.2	683.4
152.5°	695.6	695.1	694.5	693.9	693.8	694.0	694.3	694.5	694.8	695.1	695.3
155°	712.4	711.7	710.9	710.1	709.9	710.1	710.4	710.6	710.9	711.3	711.7
157.5°	725.8	725.4	724.9	724.5	724.3	724.3	724.3	724.3	724.4	724.8	725.2
160°	734.7	733.9	733.1	732.4	732.1	732.2	732.3	732.4	732.6	733.1	733.6
162.5°	742.0	741.2	740.4	739.7	739.4	739.5	739.6	739.7	739.9	740.6	741.3
165°	751.8	751.0	750.3	749.5	749.2	749.3	749.4	749.6	749.7	750.4	751.2
167.5°	759.1	758.3	757.5	756.7	756.4	756.5	756.6	756.7	756.9	757.8	758.7
170°	763.1	762.2	761.3	760.4	760.0	760.1	760.3	760.4	760.5	761.5	762.6
172.5°	765.8	764.9	764.0	763.1	762.8	763.0	763.3	763.5	763.7	764.6	765.5
175°	768.9	768.1	767.4	766.6	766.3	766.4	766.6	766.7	766.8	767.8	768.8
177.5°	770.4	769.8	769.2	768.6	768.3	768.4	768.5	768.6	768.7	769.5	770.2
180°	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1716.0	1716.0	1725.2	1724.6	1730.6	1728.4	1729.5
5°	1844.6	1856.1	1866.2	1873.0	1883.1	1885.8	1884.4
7.5°	1978.0	2003.5	2015.9	2032.9	2036.0	2044.9	2044.0
10°	2060.6	2085.6	2104.5	2119.3	2126.7	2136.2	2136.9
12.5°	2125.4	2146.6	2163.3	2177.1	2186.1	2189.1	2190.9
15°	2176.0	2199.6	2219.2	2238.8	2250.3	2259.0	2263.8
17.5°	2227.0	2263.5	2298.0	2324.6	2340.6	2354.1	2353.9
20°	2266.5	2308.3	2351.5	2381.9	2412.9	2426.4	2428.4
22.5°	2308.6	2372.6	2428.2	2475.3	2516.0	2530.1	2535.4
25°	2396.0	2479.7	2565.5	2631.6	2678.8	2706.5	2710.6
27.5°	2501.7	2615.0	2705.2	2766.2	2805.5	2826.0	2830.4
30°	2576.3	2680.9	2761.9	2807.8	2826.0	2828.7	2818.6
32.5°	2609.7	2687.9	2720.3	2717.6	2681.8	2658.1	2649.0
35°	2568.8	2552.6	2473.7	2379.2	2307.0	2261.1	2248.9
37.5°	2337.7	2198.0	2052.8	1910.0	1834.0	1795.3	1728.9
40°	2109.9	1910.8	1759.6	1639.4	1553.7	1484.9	1468.7
42.5°	1852.9	1647.3	1496.1	1393.2	1324.8	1277.5	1257.0
45°	1488.9	1312.1	1187.2	1108.3	1055.6	1021.2	1005.7
47.5°	1190.9	1054.0	963.0	904.6	864.5	834.5	826.1
50°	1027.3	917.9	841.0	791.7	761.3	738.4	728.9
52.5°	892.3	804.0	744.9	704.2	675.5	661.2	653.3
55°	736.4	660.1	617.6	585.2	569.0	557.5	552.1
57.5°	602.2	547.1	516.1	493.7	478.7	471.4	468.7
60°	527.1	483.9	455.6	438.0	427.9	418.5	415.8
62.5°	460.7	426.7	404.8	389.4	379.3	375.3	373.6
65°	371.2	348.9	332.7	323.3	315.2	313.8	313.2
67.5°	295.1	282.0	273.5	263.6	260.8	256.1	255.1
70°	252.4	243.7	233.5	230.2	226.8	222.1	222.7
72.5°	214.1	205.3	198.4	194.0	192.8	190.7	192.5
75°	156.6	153.9	151.2	147.8	146.5	146.5	145.8
77.5°	111.8	109.5	106.5	104.5	104.1	101.2	102.3
80°	81.0	77.6	76.3	76.9	74.9	74.2	74.2
82.5°	59.9	58.7	57.4	57.5	57.1	56.4	57.0
85°	33.1	32.4	32.4	31.7	31.7	31.0	31.0
87.5°	14.1	14.8	13.8	13.3	13.4	14.0	14.6
90°	11.0	11.7	12.2	12.6	12.9	13.3	13.7
92.5°	11.0	11.7	12.1	12.2	12.4	12.6	12.8
95°	11.0	11.7	12.0	12.0	12.0	12.0	12.0
97.5°	17.3	13.8	12.0	12.0	12.0	12.0	12.0
100°	42.6	23.7	14.0	13.5	13.0	12.5	12.0
102.5°	115.9	112.4	106.3	97.6	89.0	80.4	71.8
105°	170.0	170.0	170.0	169.8	169.7	169.6	169.4
107.5°	215.3	215.3	215.1	214.8	214.4	214.0	213.6
110°	244.2	243.8	243.7	243.8	243.9	244.1	244.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	273.1	272.6	272.3	272.1	271.9	271.8	271.6
115°	316.8	316.3	315.7	314.9	314.2	313.4	312.7
117.5°	358.9	358.3	357.8	357.5	357.1	356.8	356.5
120°	386.6	386.4	385.9	385.3	384.7	384.0	383.4
122.5°	412.7	412.4	411.9	411.2	410.4	409.7	409.0
125°	450.3	449.8	449.4	449.0	448.6	448.3	447.9
127.5°	485.3	485.0	484.4	483.4	482.5	481.6	480.6
130°	507.8	507.4	506.9	506.3	505.6	505.0	504.4
132.5°	529.2	529.2	528.8	528.2	527.5	526.9	526.3
135°	560.1	559.8	559.3	558.6	557.8	557.0	556.3
137.5°	589.3	589.3	589.0	588.4	587.7	587.1	586.4
140°	607.2	607.5	607.2	606.5	605.7	605.0	604.2
142.5°	624.4	624.5	624.1	623.4	622.6	621.8	621.1
145°	649.1	649.2	648.9	648.1	647.4	646.6	645.8
147.5°	670.2	670.3	669.9	669.0	668.1	667.2	666.3
150°	683.7	683.9	683.6	682.6	681.5	680.5	679.5
152.5°	695.6	695.8	695.5	694.6	693.7	692.7	691.8
155°	712.0	712.4	712.1	711.1	710.1	709.1	708.0
157.5°	725.6	726.0	725.7	724.7	723.6	722.6	721.6
160°	734.1	734.6	734.3	733.3	732.3	731.3	730.3
162.5°	742.0	742.7	742.5	741.4	740.3	739.2	738.0
165°	752.0	752.7	752.6	751.6	750.6	749.6	748.5
167.5°	759.6	760.5	760.4	759.3	758.1	757.0	755.8
170°	763.6	764.6	764.5	763.4	762.2	761.1	760.0
172.5°	766.5	767.4	767.3	766.1	765.0	763.8	762.7
175°	769.8	770.9	770.8	769.7	768.5	767.4	766.2
177.5°	770.9	771.6	771.5	770.7	769.9	769.1	768.3
180°	769.7	769.7	769.7	769.7	769.7	769.7	769.7

(END OF REPORT)