

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: P333587

Luminaire Tested: **S125RDIP-S1090D590U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333587
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S1090D590U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6306.9 lumens
Efficiency: N/A
Efficacy: 129.2 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

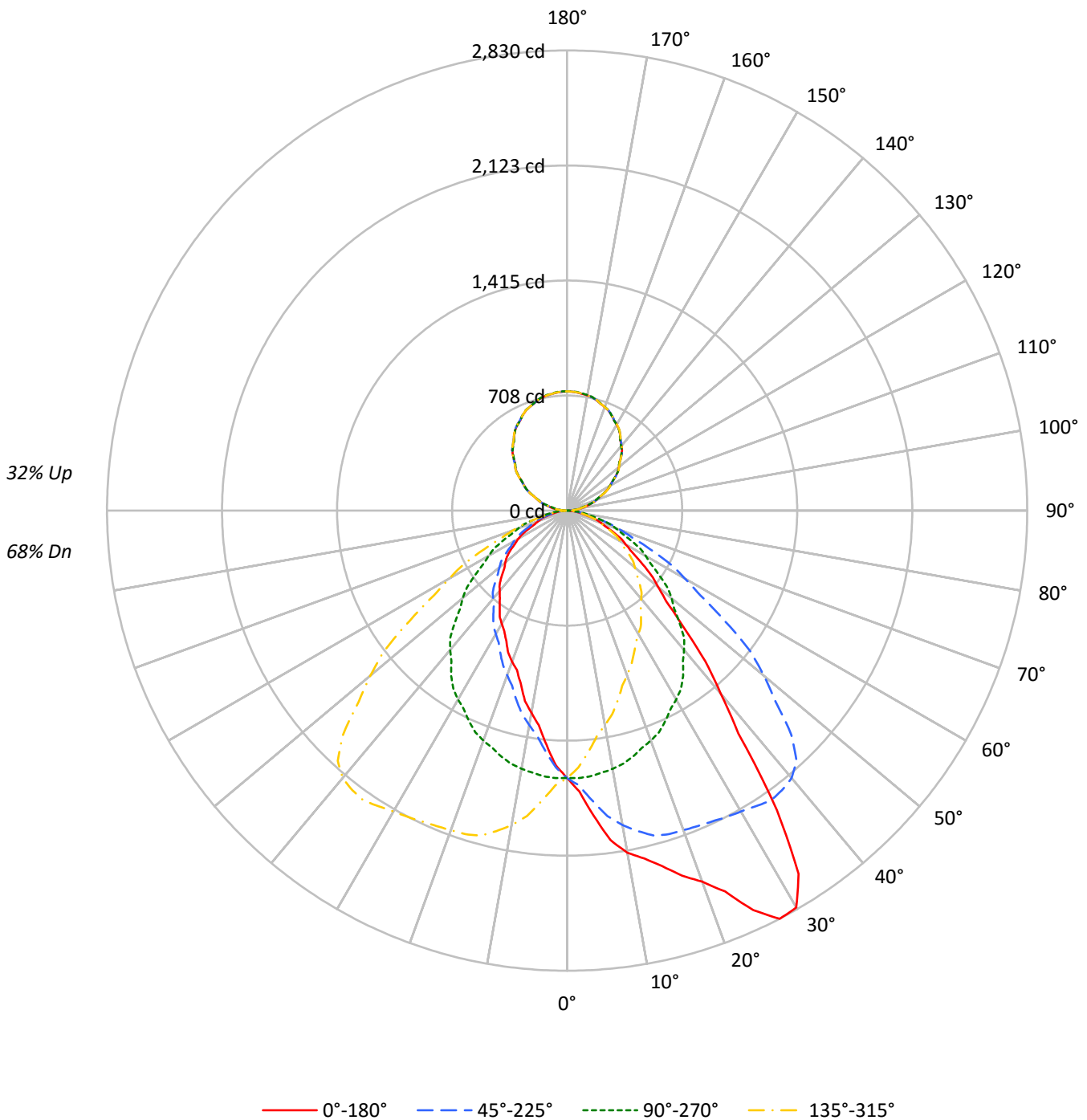
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	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



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	2.5
10°-20°	462.1	7.3
20°-30°	732.6	11.6
30°-40°	883.5	14.0
40°-50°	789.0	12.5
50°-60°	605.0	9.6
60°-70°	393.2	6.2
70°-80°	191.2	3.0
80°-90°	47.2	0.7
90°-100°	49.1	0.8
100°-110°	145.0	2.3
110°-120°	245.6	3.9
120°-130°	323.2	5.1
130°-140°	362.1	5.7
140°-150°	354.9	5.6
150°-160°	298.1	4.7
160°-170°	198.2	3.1
170°-180°	69.4	1.1
0°-30°	1352.3	21.4
0°-40°	2235.8	35.4
0°-60°	3629.8	57.6
0°-90°	4261.4	67.6
90°-120°	439.7	7.0
90°-150°	1479.9	23.5
90°-180°	2046.0	32.4
0°-180°	6306.9	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	9
95°	49	37	49	37	49	50
105°	142	130	142	130	142	150
115°	248	246	248	246	248	245
125°	361	359	361	359	361	322
135°	468	467	468	467	468	361
145°	568	565	568	565	568	354
155°	647	647	647	647	647	298
165°	702	703	702	703	702	198
175°	728	731	728	731	728	69
180°	733	733	733	733	733	



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

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°	26.9	26.6	26.4	26.1	25.8	25.3	24.4	23.6	22.7	21.9	20.8
95°	49.1	48.8	48.6	48.3	48.0	47.5	46.6	45.7	44.8	43.9	42.7
97.5°	74.4	74.2	74.1	73.9	73.8	73.3	72.5	71.6	70.8	69.9	68.2
100°	93.6	93.3	93.1	92.8	92.5	91.8	90.7	89.6	88.4	87.3	85.6
102.5°	112.7	112.4	112.0	111.7	111.3	110.5	109.3	108.0	106.8	105.5	104.7
105°	141.5	141.1	140.7	140.3	140.0	139.4	138.6	137.9	137.1	136.3	135.6
107.5°	170.9	170.9	171.0	171.0	171.0	170.8	170.5	170.1	169.7	169.3	168.7
110°	192.8	192.9	193.1	193.2	193.3	193.2	192.8	192.4	192.1	191.7	191.3



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	214.3	214.5	214.7	215.0	215.2	215.2	215.0	214.9	214.7	214.5	214.0
115°	248.2	248.3	248.4	248.5	248.7	248.8	248.9	249.0	249.2	249.3	249.0
117.5°	281.2	281.8	282.3	282.8	283.3	283.5	283.4	283.3	283.2	283.1	282.8
120°	304.1	304.6	305.1	305.6	306.1	306.3	306.3	306.3	306.3	306.3	306.2
122.5°	326.9	327.3	327.7	328.1	328.5	328.8	328.9	329.0	329.1	329.2	328.8
125°	361.1	361.2	361.4	361.5	361.6	361.8	362.1	362.3	362.6	362.8	362.7
127.5°	394.0	394.2	394.5	394.7	395.0	395.2	395.3	395.4	395.6	395.7	395.5
130°	415.9	416.1	416.4	416.6	416.9	417.1	417.2	417.3	417.5	417.6	417.3
132.5°	436.4	436.8	437.1	437.5	437.8	438.1	438.2	438.3	438.5	438.6	438.6
135°	468.4	468.9	469.4	469.9	470.4	470.6	470.6	470.6	470.6	470.6	470.5
137.5°	499.6	500.3	500.9	501.5	502.2	502.4	502.2	502.1	501.9	501.8	501.5
140°	519.7	520.3	521.0	521.6	522.2	522.4	522.2	521.9	521.7	521.4	521.0
142.5°	538.9	539.5	540.1	540.8	541.4	541.6	541.5	541.3	541.2	541.0	540.6
145°	567.6	568.0	568.4	568.8	569.1	569.3	569.3	569.3	569.3	569.3	569.0
147.5°	592.2	593.0	593.9	594.7	595.6	595.9	595.6	595.3	595.0	594.7	594.4
150°	610.4	610.7	610.9	611.2	611.4	611.5	611.5	611.5	611.5	611.5	611.0
152.5°	625.5	625.9	626.4	626.8	627.3	627.4	627.1	626.8	626.5	626.2	625.9
155°	646.9	647.5	648.2	648.8	649.5	649.5	649.0	648.5	648.0	647.5	647.4
157.5°	664.8	665.7	666.5	667.3	668.2	668.3	667.8	667.3	666.8	666.3	666.2
160°	677.2	677.8	678.4	679.1	679.7	679.7	679.2	678.7	678.2	677.7	677.6
162.5°	687.6	688.4	689.1	689.9	690.6	690.7	690.0	689.4	688.8	688.2	688.2
165°	701.7	702.4	703.2	704.0	704.7	704.9	704.3	703.8	703.3	702.8	702.7
167.5°	712.9	713.6	714.4	715.2	716.0	716.0	715.3	714.5	713.7	713.0	713.0
170°	718.8	719.7	720.6	721.5	722.3	722.4	721.6	720.9	720.1	719.4	719.4
172.5°	723.8	724.6	725.4	726.2	727.0	727.0	726.2	725.5	724.7	723.9	723.9
175°	728.5	729.4	730.3	731.2	732.0	732.1	731.3	730.6	729.8	729.1	729.1
177.5°	731.2	731.9	732.7	733.4	734.1	734.1	733.5	732.9	732.3	731.7	731.8
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

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°	19.7	18.6	17.5	16.6	15.9	15.2	14.5	13.8	14.5	15.2	15.9
95°	41.4	40.1	38.9	38.1	37.8	37.6	37.3	37.1	37.3	37.6	37.8
97.5°	66.4	64.7	62.9	62.0	61.9	61.8	61.7	61.6	61.7	61.8	61.9
100°	84.0	82.3	80.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
102.5°	103.9	103.0	102.2	101.5	101.0	100.5	100.0	99.5	100.0	100.5	101.0
105°	134.8	134.1	133.3	132.6	132.0	131.3	130.7	130.1	130.7	131.3	132.0
107.5°	168.1	167.6	167.0	166.4	165.7	165.1	164.5	163.8	164.5	165.1	165.7
110°	190.9	190.5	190.2	189.7	189.0	188.4	187.7	187.1	187.7	188.4	189.0



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	213.5	213.1	212.6	212.2	211.8	211.5	211.2	210.8	211.2	211.5	211.8
115°	248.8	248.5	248.3	247.9	247.4	246.9	246.4	245.9	246.4	246.9	247.4
117.5°	282.6	282.4	282.2	281.9	281.7	281.5	281.2	281.0	281.2	281.5	281.7
120°	306.1	306.0	305.8	305.5	304.8	304.2	303.6	302.9	303.6	304.2	304.8
122.5°	328.5	328.2	327.8	327.6	327.3	327.1	326.9	326.7	326.9	327.1	327.3
125°	362.6	362.4	362.3	361.9	361.1	360.3	359.6	358.8	359.6	360.3	361.1
127.5°	395.4	395.2	395.1	394.8	394.3	393.9	393.5	393.1	393.5	393.9	394.3
130°	417.1	416.8	416.6	416.1	415.5	414.9	414.2	413.6	414.2	414.9	415.5
132.5°	438.7	438.7	438.8	438.3	437.2	436.2	435.2	434.1	435.2	436.2	437.2
135°	470.4	470.3	470.1	469.7	468.9	468.2	467.4	466.6	467.4	468.2	468.9
137.5°	501.2	501.0	500.7	500.2	499.4	498.7	498.0	497.2	498.0	498.7	499.4
140°	520.7	520.3	519.9	519.4	518.7	518.1	517.5	516.8	517.5	518.1	518.7
142.5°	540.1	539.6	539.1	538.6	538.1	537.5	537.0	536.5	537.0	537.5	538.1
145°	568.6	568.2	567.8	567.4	566.9	566.4	565.8	565.3	565.8	566.4	566.9
147.5°	594.1	593.7	593.4	593.2	592.9	592.6	592.3	592.0	592.3	592.6	592.9
150°	610.5	610.0	609.5	609.3	609.5	609.6	609.7	609.8	609.7	609.6	609.5
152.5°	625.7	625.5	625.3	625.1	625.0	624.8	624.6	624.4	624.6	624.8	625.0
155°	647.2	647.1	647.0	646.9	646.9	646.9	646.9	646.9	646.9	646.9	646.9
157.5°	666.1	665.9	665.8	665.9	666.2	666.4	666.7	667.0	666.7	666.4	666.2
160°	677.5	677.3	677.2	677.3	677.7	678.1	678.5	678.9	678.5	678.1	677.7
162.5°	688.2	688.1	688.1	688.2	688.5	688.8	689.1	689.4	689.1	688.8	688.5
165°	702.6	702.4	702.3	702.4	702.6	702.9	703.1	703.4	703.1	702.9	702.6
167.5°	713.0	713.0	713.0	713.2	713.7	714.2	714.8	715.3	714.8	714.2	713.7
170°	719.4	719.4	719.4	719.6	720.1	720.6	721.1	721.6	721.1	720.6	720.1
172.5°	723.9	723.9	723.9	724.2	724.7	725.2	725.7	726.2	725.7	725.2	724.7
175°	729.1	729.1	729.1	729.3	729.8	730.3	730.8	731.3	730.8	730.3	729.8
177.5°	731.9	732.0	732.1	732.3	732.8	733.2	733.6	734.0	733.6	733.2	732.8
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

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°	16.6	17.5	18.6	19.7	20.8	21.9	22.7	23.6	24.4	25.3	25.8
95°	38.1	38.9	40.1	41.4	42.7	43.9	44.8	45.7	46.6	47.5	48.0
97.5°	62.0	62.9	64.7	66.4	68.2	69.9	70.8	71.6	72.5	73.3	73.8
100°	79.9	80.7	82.3	84.0	85.6	87.3	88.4	89.6	90.7	91.8	92.5
102.5°	101.5	102.2	103.0	103.9	104.7	105.5	106.8	108.0	109.3	110.5	111.3
105°	132.6	133.3	134.1	134.8	135.6	136.3	137.1	137.9	138.6	139.4	140.0
107.5°	166.4	167.0	167.6	168.1	168.7	169.3	169.7	170.1	170.5	170.8	171.0
110°	189.7	190.2	190.5	190.9	191.3	191.7	192.1	192.4	192.8	193.2	193.3



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	212.2	212.6	213.1	213.5	214.0	214.5	214.7	214.9	215.0	215.2	215.2
115°	247.9	248.3	248.5	248.8	249.0	249.3	249.2	249.0	248.9	248.8	248.7
117.5°	281.9	282.2	282.4	282.6	282.8	283.1	283.2	283.3	283.4	283.5	283.3
120°	305.5	305.8	306.0	306.1	306.2	306.3	306.3	306.3	306.3	306.3	306.1
122.5°	327.6	327.8	328.2	328.5	328.8	329.2	329.1	329.0	328.9	328.8	328.5
125°	361.9	362.3	362.4	362.6	362.7	362.8	362.6	362.3	362.1	361.8	361.6
127.5°	394.8	395.1	395.2	395.4	395.5	395.7	395.6	395.4	395.3	395.2	395.0
130°	416.1	416.6	416.8	417.1	417.3	417.6	417.5	417.3	417.2	417.1	416.9
132.5°	438.3	438.8	438.7	438.7	438.6	438.6	438.5	438.3	438.2	438.1	437.8
135°	469.7	470.1	470.3	470.4	470.5	470.6	470.6	470.6	470.6	470.6	470.4
137.5°	500.2	500.7	501.0	501.2	501.5	501.8	501.9	502.1	502.2	502.4	502.2
140°	519.4	519.9	520.3	520.7	521.0	521.4	521.7	521.9	522.2	522.4	522.2
142.5°	538.6	539.1	539.6	540.1	540.6	541.0	541.2	541.3	541.5	541.6	541.4
145°	567.4	567.8	568.2	568.6	569.0	569.3	569.3	569.3	569.3	569.3	569.1
147.5°	593.2	593.4	593.7	594.1	594.4	594.7	595.0	595.3	595.6	595.9	595.6
150°	609.3	609.5	610.0	610.5	611.0	611.5	611.5	611.5	611.5	611.5	611.4
152.5°	625.1	625.3	625.5	625.7	625.9	626.2	626.5	626.8	627.1	627.4	627.3
155°	646.9	647.0	647.1	647.2	647.4	647.5	648.0	648.5	649.0	649.5	649.5
157.5°	665.9	665.8	665.9	666.1	666.2	666.3	666.8	667.3	667.8	668.3	668.2
160°	677.3	677.2	677.3	677.5	677.6	677.7	678.2	678.7	679.2	679.7	679.7
162.5°	688.2	688.1	688.1	688.2	688.2	688.2	688.8	689.4	690.0	690.7	690.6
165°	702.4	702.3	702.4	702.6	702.7	702.8	703.3	703.8	704.3	704.9	704.7
167.5°	713.2	713.0	713.0	713.0	713.0	713.0	713.7	714.5	715.3	716.0	716.0
170°	719.6	719.4	719.4	719.4	719.4	719.4	720.1	720.9	721.6	722.4	722.3
172.5°	724.2	723.9	723.9	723.9	723.9	723.9	724.7	725.5	726.2	727.0	727.0
175°	729.3	729.1	729.1	729.1	729.1	729.1	729.8	730.6	731.3	732.1	732.0
177.5°	732.3	732.1	732.0	731.9	731.8	731.7	732.3	732.9	733.5	734.1	734.1
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

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°	26.1	26.4	26.6	26.9	26.6	26.4	26.1	25.8	25.3	24.4	23.6
95°	48.3	48.6	48.8	49.1	48.8	48.6	48.3	48.0	47.5	46.6	45.7
97.5°	73.9	74.1	74.2	74.4	74.2	74.1	73.9	73.8	73.3	72.5	71.6
100°	92.8	93.1	93.3	93.6	93.3	93.1	92.8	92.5	91.8	90.7	89.6
102.5°	111.7	112.0	112.4	112.7	112.4	112.0	111.7	111.3	110.5	109.3	108.0
105°	140.3	140.7	141.1	141.5	141.1	140.7	140.3	140.0	139.4	138.6	137.9
107.5°	171.0	171.0	170.9	170.9	170.9	171.0	171.0	171.0	170.8	170.5	170.1
110°	193.2	193.1	192.9	192.8	192.9	193.1	193.2	193.3	193.2	192.8	192.4



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	215.0	214.7	214.5	214.3	214.5	214.7	215.0	215.2	215.2	215.0	214.9
115°	248.5	248.4	248.3	248.2	248.3	248.4	248.5	248.7	248.8	248.9	249.0
117.5°	282.8	282.3	281.8	281.2	281.8	282.3	282.8	283.3	283.5	283.4	283.3
120°	305.6	305.1	304.6	304.1	304.6	305.1	305.6	306.1	306.3	306.3	306.3
122.5°	328.1	327.7	327.3	326.9	327.3	327.7	328.1	328.5	328.8	328.9	329.0
125°	361.5	361.4	361.2	361.1	361.2	361.4	361.5	361.6	361.8	362.1	362.3
127.5°	394.7	394.5	394.2	394.0	394.2	394.5	394.7	395.0	395.2	395.3	395.4
130°	416.6	416.4	416.1	415.9	416.1	416.4	416.6	416.9	417.1	417.2	417.3
132.5°	437.5	437.1	436.8	436.4	436.8	437.1	437.5	437.8	438.1	438.2	438.3
135°	469.9	469.4	468.9	468.4	468.9	469.4	469.9	470.4	470.6	470.6	470.6
137.5°	501.5	500.9	500.3	499.6	500.3	500.9	501.5	502.2	502.4	502.2	502.1
140°	521.6	521.0	520.3	519.7	520.3	521.0	521.6	522.2	522.4	522.2	521.9
142.5°	540.8	540.1	539.5	538.9	539.5	540.1	540.8	541.4	541.6	541.5	541.3
145°	568.8	568.4	568.0	567.6	568.0	568.4	568.8	569.1	569.3	569.3	569.3
147.5°	594.7	593.9	593.0	592.2	593.0	593.9	594.7	595.6	595.9	595.6	595.3
150°	611.2	610.9	610.7	610.4	610.7	610.9	611.2	611.4	611.5	611.5	611.5
152.5°	626.8	626.4	625.9	625.5	625.9	626.4	626.8	627.3	627.4	627.1	626.8
155°	648.8	648.2	647.5	646.9	647.5	648.2	648.8	649.5	649.5	649.0	648.5
157.5°	667.3	666.5	665.7	664.8	665.7	666.5	667.3	668.2	668.3	667.8	667.3
160°	679.1	678.4	677.8	677.2	677.8	678.4	679.1	679.7	679.7	679.2	678.7
162.5°	689.9	689.1	688.4	687.6	688.4	689.1	689.9	690.6	690.7	690.0	689.4
165°	704.0	703.2	702.4	701.7	702.4	703.2	704.0	704.7	704.9	704.3	703.8
167.5°	715.2	714.4	713.6	712.9	713.6	714.4	715.2	716.0	716.0	715.3	714.5
170°	721.5	720.6	719.7	718.8	719.7	720.6	721.5	722.3	722.4	721.6	720.9
172.5°	726.2	725.4	724.6	723.8	724.6	725.4	726.2	727.0	727.0	726.2	725.5
175°	731.2	730.3	729.4	728.5	729.4	730.3	731.2	732.0	732.1	731.3	730.6
177.5°	733.4	732.7	731.9	731.2	731.9	732.7	733.4	734.1	734.1	733.5	732.9
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

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°	22.7	21.9	20.8	19.7	18.6	17.5	16.6	15.9	15.2	14.5	13.8
95°	44.8	43.9	42.7	41.4	40.1	38.9	38.1	37.8	37.6	37.3	37.1
97.5°	70.8	69.9	68.2	66.4	64.7	62.9	62.0	61.9	61.8	61.7	61.6
100°	88.4	87.3	85.6	84.0	82.3	80.7	79.9	79.9	79.9	79.9	79.9
102.5°	106.8	105.5	104.7	103.9	103.0	102.2	101.5	101.0	100.5	100.0	99.5
105°	137.1	136.3	135.6	134.8	134.1	133.3	132.6	132.0	131.3	130.7	130.1
107.5°	169.7	169.3	168.7	168.1	167.6	167.0	166.4	165.7	165.1	164.5	163.8
110°	192.1	191.7	191.3	190.9	190.5	190.2	189.7	189.0	188.4	187.7	187.1



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	214.7	214.5	214.0	213.5	213.1	212.6	212.2	211.8	211.5	211.2	210.8
115°	249.2	249.3	249.0	248.8	248.5	248.3	247.9	247.4	246.9	246.4	245.9
117.5°	283.2	283.1	282.8	282.6	282.4	282.2	281.9	281.7	281.5	281.2	281.0
120°	306.3	306.3	306.2	306.1	306.0	305.8	305.5	304.8	304.2	303.6	302.9
122.5°	329.1	329.2	328.8	328.5	328.2	327.8	327.6	327.3	327.1	326.9	326.7
125°	362.6	362.8	362.7	362.6	362.4	362.3	361.9	361.1	360.3	359.6	358.8
127.5°	395.6	395.7	395.5	395.4	395.2	395.1	394.8	394.3	393.9	393.5	393.1
130°	417.5	417.6	417.3	417.1	416.8	416.6	416.1	415.5	414.9	414.2	413.6
132.5°	438.5	438.6	438.6	438.7	438.7	438.8	438.3	437.2	436.2	435.2	434.1
135°	470.6	470.6	470.5	470.4	470.3	470.1	469.7	468.9	468.2	467.4	466.6
137.5°	501.9	501.8	501.5	501.2	501.0	500.7	500.2	499.4	498.7	498.0	497.2
140°	521.7	521.4	521.0	520.7	520.3	519.9	519.4	518.7	518.1	517.5	516.8
142.5°	541.2	541.0	540.6	540.1	539.6	539.1	538.6	538.1	537.5	537.0	536.5
145°	569.3	569.3	569.0	568.6	568.2	567.8	567.4	566.9	566.4	565.8	565.3
147.5°	595.0	594.7	594.4	594.1	593.7	593.4	593.2	592.9	592.6	592.3	592.0
150°	611.5	611.5	611.0	610.5	610.0	609.5	609.3	609.5	609.6	609.7	609.8
152.5°	626.5	626.2	625.9	625.7	625.5	625.3	625.1	625.0	624.8	624.6	624.4
155°	648.0	647.5	647.4	647.2	647.1	647.0	646.9	646.9	646.9	646.9	646.9
157.5°	666.8	666.3	666.2	666.1	665.9	665.8	665.9	666.2	666.4	666.7	667.0
160°	678.2	677.7	677.6	677.5	677.3	677.2	677.3	677.7	678.1	678.5	678.9
162.5°	688.8	688.2	688.2	688.2	688.1	688.1	688.2	688.5	688.8	689.1	689.4
165°	703.3	702.8	702.7	702.6	702.4	702.3	702.4	702.6	702.9	703.1	703.4
167.5°	713.7	713.0	713.0	713.0	713.0	713.0	713.2	713.7	714.2	714.8	715.3
170°	720.1	719.4	719.4	719.4	719.4	719.4	719.6	720.1	720.6	721.1	721.6
172.5°	724.7	723.9	723.9	723.9	723.9	723.9	724.2	724.7	725.2	725.7	726.2
175°	729.8	729.1	729.1	729.1	729.1	729.1	729.3	729.8	730.3	730.8	731.3
177.5°	732.3	731.7	731.8	731.9	732.0	732.1	732.3	732.8	733.2	733.6	734.0
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

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°	14.5	15.2	15.9	16.6	17.5	18.6	19.7	20.8	21.9	22.7	23.6
95°	37.3	37.6	37.8	38.1	38.9	40.1	41.4	42.7	43.9	44.8	45.7
97.5°	61.7	61.8	61.9	62.0	62.9	64.7	66.4	68.2	69.9	70.8	71.6
100°	79.9	79.9	79.9	79.9	80.7	82.3	84.0	85.6	87.3	88.4	89.6
102.5°	100.0	100.5	101.0	101.5	102.2	103.0	103.9	104.7	105.5	106.8	108.0
105°	130.7	131.3	132.0	132.6	133.3	134.1	134.8	135.6	136.3	137.1	137.9
107.5°	164.5	165.1	165.7	166.4	167.0	167.6	168.1	168.7	169.3	169.7	170.1
110°	187.7	188.4	189.0	189.7	190.2	190.5	190.9	191.3	191.7	192.1	192.4



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	211.2	211.5	211.8	212.2	212.6	213.1	213.5	214.0	214.5	214.7	214.9
115°	246.4	246.9	247.4	247.9	248.3	248.5	248.8	249.0	249.3	249.2	249.0
117.5°	281.2	281.5	281.7	281.9	282.2	282.4	282.6	282.8	283.1	283.2	283.3
120°	303.6	304.2	304.8	305.5	305.8	306.0	306.1	306.2	306.3	306.3	306.3
122.5°	326.9	327.1	327.3	327.6	327.8	328.2	328.5	328.8	329.2	329.1	329.0
125°	359.6	360.3	361.1	361.9	362.3	362.4	362.6	362.7	362.8	362.6	362.3
127.5°	393.5	393.9	394.3	394.8	395.1	395.2	395.4	395.5	395.7	395.6	395.4
130°	414.2	414.9	415.5	416.1	416.6	416.8	417.1	417.3	417.6	417.5	417.3
132.5°	435.2	436.2	437.2	438.3	438.8	438.7	438.7	438.6	438.6	438.5	438.3
135°	467.4	468.2	468.9	469.7	470.1	470.3	470.4	470.5	470.6	470.6	470.6
137.5°	498.0	498.7	499.4	500.2	500.7	501.0	501.2	501.5	501.8	501.9	502.1
140°	517.5	518.1	518.7	519.4	519.9	520.3	520.7	521.0	521.4	521.7	521.9
142.5°	537.0	537.5	538.1	538.6	539.1	539.6	540.1	540.6	541.0	541.2	541.3
145°	565.8	566.4	566.9	567.4	567.8	568.2	568.6	569.0	569.3	569.3	569.3
147.5°	592.3	592.6	592.9	593.2	593.4	593.7	594.1	594.4	594.7	595.0	595.3
150°	609.7	609.6	609.5	609.3	609.5	610.0	610.5	611.0	611.5	611.5	611.5
152.5°	624.6	624.8	625.0	625.1	625.3	625.5	625.7	625.9	626.2	626.5	626.8
155°	646.9	646.9	646.9	646.9	647.0	647.1	647.2	647.4	647.5	648.0	648.5
157.5°	666.7	666.4	666.2	665.9	665.8	665.9	666.1	666.2	666.3	666.8	667.3
160°	678.5	678.1	677.7	677.3	677.2	677.3	677.5	677.6	677.7	678.2	678.7
162.5°	689.1	688.8	688.5	688.2	688.1	688.1	688.2	688.2	688.2	688.8	689.4
165°	703.1	702.9	702.6	702.4	702.3	702.4	702.6	702.7	702.8	703.3	703.8
167.5°	714.8	714.2	713.7	713.2	713.0	713.0	713.0	713.0	713.0	713.7	714.5
170°	721.1	720.6	720.1	719.6	719.4	719.4	719.4	719.4	719.4	720.1	720.9
172.5°	725.7	725.2	724.7	724.2	723.9	723.9	723.9	723.9	723.9	724.7	725.5
175°	730.8	730.3	729.8	729.3	729.1	729.1	729.1	729.1	729.1	729.8	730.6
177.5°	733.6	733.2	732.8	732.3	732.1	732.0	731.9	731.8	731.7	732.3	732.9
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

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°	24.4	25.3	25.8	26.1	26.4	26.6	26.9
95°	46.6	47.5	48.0	48.3	48.6	48.8	49.1
97.5°	72.5	73.3	73.8	73.9	74.1	74.2	74.4
100°	90.7	91.8	92.5	92.8	93.1	93.3	93.6
102.5°	109.3	110.5	111.3	111.7	112.0	112.4	112.7
105°	138.6	139.4	140.0	140.3	140.7	141.1	141.5
107.5°	170.5	170.8	171.0	171.0	171.0	170.9	170.9
110°	192.8	193.2	193.3	193.2	193.1	192.9	192.8



TEST NUMBER: P333587

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	215.0	215.2	215.2	215.0	214.7	214.5	214.3
115°	248.9	248.8	248.7	248.5	248.4	248.3	248.2
117.5°	283.4	283.5	283.3	282.8	282.3	281.8	281.2
120°	306.3	306.3	306.1	305.6	305.1	304.6	304.1
122.5°	328.9	328.8	328.5	328.1	327.7	327.3	326.9
125°	362.1	361.8	361.6	361.5	361.4	361.2	361.1
127.5°	395.3	395.2	395.0	394.7	394.5	394.2	394.0
130°	417.2	417.1	416.9	416.6	416.4	416.1	415.9
132.5°	438.2	438.1	437.8	437.5	437.1	436.8	436.4
135°	470.6	470.6	470.4	469.9	469.4	468.9	468.4
137.5°	502.2	502.4	502.2	501.5	500.9	500.3	499.6
140°	522.2	522.4	522.2	521.6	521.0	520.3	519.7
142.5°	541.5	541.6	541.4	540.8	540.1	539.5	538.9
145°	569.3	569.3	569.1	568.8	568.4	568.0	567.6
147.5°	595.6	595.9	595.6	594.7	593.9	593.0	592.2
150°	611.5	611.5	611.4	611.2	610.9	610.7	610.4
152.5°	627.1	627.4	627.3	626.8	626.4	625.9	625.5
155°	649.0	649.5	649.5	648.8	648.2	647.5	646.9
157.5°	667.8	668.3	668.2	667.3	666.5	665.7	664.8
160°	679.2	679.7	679.7	679.1	678.4	677.8	677.2
162.5°	690.0	690.7	690.6	689.9	689.1	688.4	687.6
165°	704.3	704.9	704.7	704.0	703.2	702.4	701.7
167.5°	715.3	716.0	716.0	715.2	714.4	713.6	712.9
170°	721.6	722.4	722.3	721.5	720.6	719.7	718.8
172.5°	726.2	727.0	727.0	726.2	725.4	724.6	723.8
175°	731.3	732.1	732.0	731.2	730.3	729.4	728.5
177.5°	733.5	734.1	734.1	733.4	732.7	731.9	731.2
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1

(END OF REPORT)