

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: P333624-927

Luminaire Tested: **S125RDIP-S1270D810U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333624-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S1270D810U927-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6202.9 lumens  
Efficiency: N/A  
Efficacy: 102.2 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

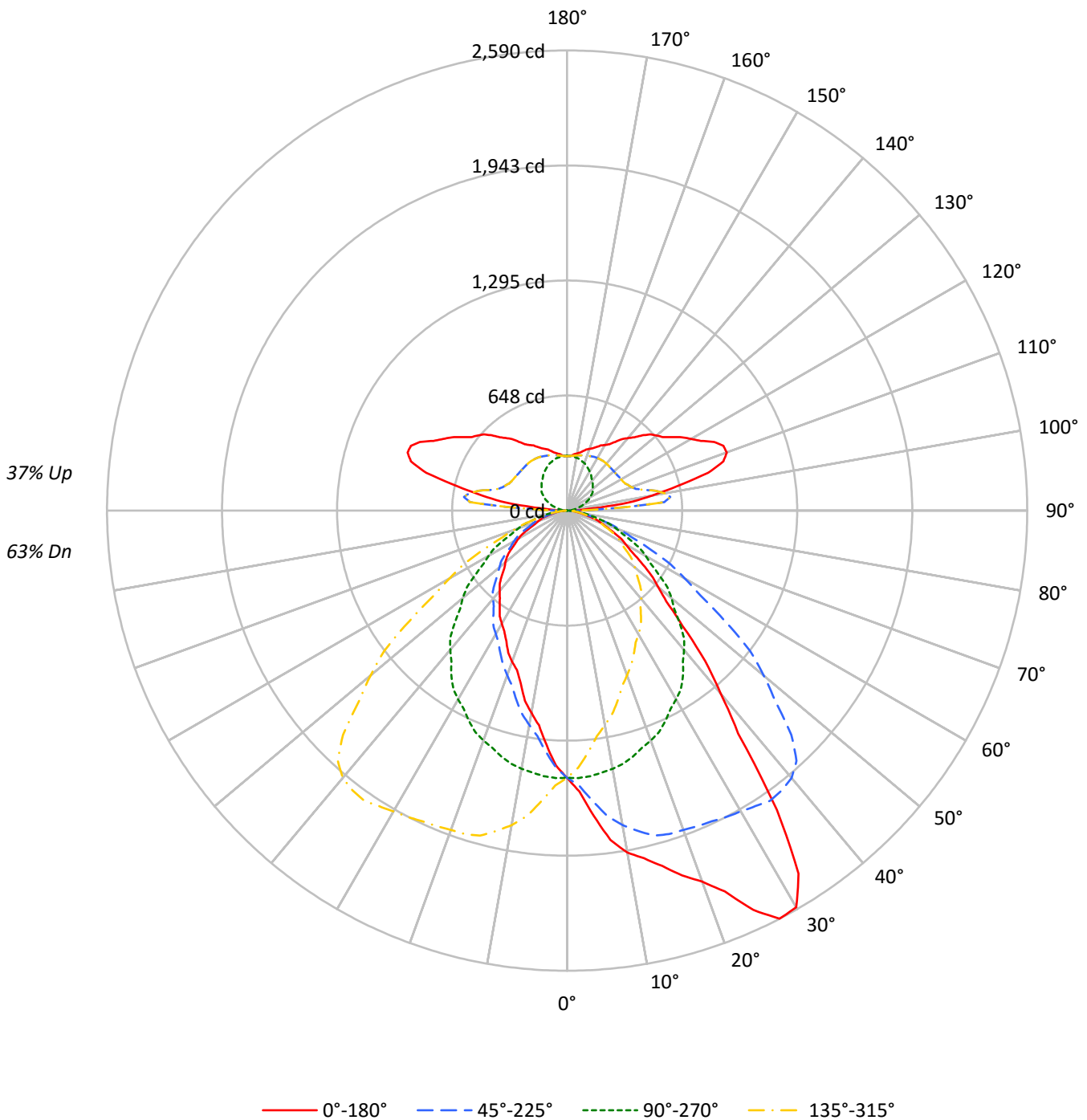
Input Watts (W): 60.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68	63
1	101	97	93	90	95	91	88	85	80	78	76	70	68	67	61	60	58	54
2	93	85	79	74	87	80	75	71	71	67	63	62	59	57	54	52	50	46
3	85	75	68	62	79	71	65	60	63	58	54	55	52	48	48	46	43	40
4	78	67	59	53	73	63	56	51	56	51	46	50	45	42	44	40	37	34
5	72	60	52	46	67	57	49	44	51	45	40	45	40	36	39	36	33	30
6	66	54	46	40	62	51	44	38	46	40	35	41	36	32	36	32	29	26
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24
8	57	45	37	31	53	42	35	30	38	32	28	34	29	26	30	26	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	17

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

	0°	90°	180°	270°
0°	9715	9715	9715	9715
5°	11177	9728	8591	9728
10°	12821	9678	7581	9678
15°	13848	9579	6738	9579
20°	15270	9465	6222	9465
25°	17672	9311	5773	9311
30°	19231	9150	5480	9150
35°	16222	8964	5210	8964
40°	11328	8627	4977	8627
45°	8404	8173	4748	8173
50°	6701	7700	4554	7700
55°	5687	7113	4380	7113
60°	4914	6589	4100	6589
65°	4378	6021	3529	6021
70°	3846	5516	3218	5516
75°	3329	4776	3019	4776
80°	2525	4020	2525	4020
85°	2104	3157	2379	3157



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.3	2.3
10°-20°	422.7	6.8
20°-30°	670.3	10.8
30°-40°	808.3	13.0
40°-50°	721.8	11.6
50°-60°	553.6	8.9
60°-70°	359.7	5.8
70°-80°	174.9	2.8
80°-90°	43.5	0.7
90°-100°	222.7	3.6
100°-110°	478.7	7.7
110°-120°	449.3	7.2
120°-130°	364.1	5.9
130°-140°	292.2	4.7
140°-150°	220.5	3.6
150°-160°	155.2	2.5
160°-170°	91.5	1.5
170°-180°	29.8	0.5
0°-30°	1237.3	19.9
0°-40°	2045.6	33.0
0°-60°	3320.9	53.5
0°-90°	3899.0	62.9
90°-120°	1150.7	18.6
90°-150°	2027.5	32.7
90°-180°	2304.0	37.1
0°-180°	6202.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1504	1504	1504	1504	1504	
5°	1724	1501	1325	1501	1724	172
15°	2071	1433	1008	1433	2071	593
25°	2480	1307	810	1307	2480	1139
35°	2058	1137	661	1137	2058	1243
45°	920	895	520	895	920	734
55°	505	632	389	632	505	458
65°	286	394	231	394	286	285
75°	133	191	121	191	133	142
85°	28	43	32	43	28	33
90°	14	1	14	1	14	11
95°	146	20	146	20	146	206
105°	821	70	821	70	821	816
115°	914	125	914	125	914	893
125°	720	173	720	173	720	652
135°	598	203	598	203	598	464
145°	472	237	472	237	472	300
155°	396	270	396	270	396	184
165°	347	295	347	295	347	99
175°	312	307	312	307	312	30
180°	307	307	307	307	307	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1582.3	1581.4	1583.3	1577.9	1578.3	1569.9	1569.9	1563.5	1555.1	1548.7	1545.8
5°	1724.1	1725.4	1722.8	1713.6	1707.5	1698.2	1687.7	1669.1	1653.7	1638.9	1627.1
7.5°	1870.1	1871.0	1862.8	1860.0	1844.4	1833.0	1809.7	1784.5	1762.1	1733.8	1712.0
10°	1955.0	1954.5	1945.8	1939.0	1925.4	1908.1	1885.3	1855.6	1827.9	1797.0	1767.4
12.5°	2004.5	2002.9	2000.1	1991.9	1979.3	1964.0	1944.6	1915.4	1881.2	1847.4	1812.8
15°	2071.2	2066.8	2058.8	2048.3	2030.4	2012.5	1990.8	1964.9	1932.2	1893.9	1861.8
17.5°	2153.6	2153.8	2141.4	2126.9	2102.5	2070.9	2037.6	1995.7	1951.2	1909.1	1874.9
20°	2221.8	2219.9	2207.7	2179.2	2151.4	2111.9	2073.6	2022.4	1968.0	1913.0	1870.4
22.5°	2319.7	2314.8	2302.0	2264.7	2221.6	2170.7	2112.1	2049.5	1983.9	1921.4	1865.5
25°	2479.9	2476.2	2450.9	2407.7	2347.2	2268.7	2192.2	2106.3	2011.9	1929.8	1861.8
27.5°	2589.6	2585.5	2566.7	2530.9	2475.0	2392.5	2288.9	2174.1	2056.2	1943.2	1845.2
30°	2578.7	2588.0	2585.5	2568.9	2526.9	2452.8	2357.1	2228.0	2087.8	1955.0	1838.3
32.5°	2423.6	2431.9	2453.6	2486.3	2488.8	2459.2	2387.7	2268.5	2123.4	1972.4	1832.9
35°	2057.5	2068.7	2110.7	2176.8	2263.2	2335.4	2350.2	2286.1	2155.8	1993.4	1824.8
37.5°	1581.8	1642.6	1677.9	1747.5	1878.1	2011.0	2138.8	2185.9	2130.4	1984.7	1811.6
40°	1343.7	1358.5	1421.5	1499.9	1609.9	1748.2	1930.4	2061.9	2066.2	1964.9	1790.8
42.5°	1150.1	1168.9	1212.0	1274.7	1368.8	1507.1	1695.2	1868.8	1949.2	1910.6	1763.6
45°	920.1	934.3	965.8	1014.0	1086.2	1200.5	1362.2	1562.9	1722.3	1784.6	1690.8
47.5°	755.8	763.5	790.9	827.6	881.1	964.3	1089.6	1263.8	1454.8	1588.9	1575.7
50°	666.9	675.6	696.6	724.4	769.4	839.8	939.8	1085.0	1282.0	1445.6	1478.4
52.5°	597.8	604.9	618.0	644.3	681.5	735.6	816.3	947.6	1124.9	1298.9	1374.6
55°	505.1	510.1	520.5	535.4	565.1	604.0	673.7	764.5	907.8	1083.2	1194.3
57.5°	428.8	431.3	437.9	451.6	472.1	500.6	551.0	627.9	730.6	888.6	1011.2
60°	380.4	382.9	391.5	400.8	416.8	442.8	482.3	536.0	634.8	765.1	889.2
62.5°	341.8	343.3	347.1	356.3	370.4	390.4	421.5	465.3	543.9	658.4	775.6
65°	286.5	287.2	288.4	295.8	304.4	319.2	339.6	370.5	429.8	516.3	620.0
67.5°	233.5	234.2	238.6	241.2	250.3	258.0	270.0	293.6	335.3	393.6	474.3
70°	203.7	203.2	207.5	210.6	213.7	222.9	230.9	250.1	276.0	320.5	387.8
72.5°	176.1	174.5	176.3	177.4	181.6	187.8	195.9	207.6	227.6	258.3	309.7
75°	133.4	134.0	134.0	135.2	138.3	140.8	143.2	149.4	160.6	180.9	208.7
77.5°	93.6	92.6	95.2	95.6	97.4	100.1	102.3	104.7	109.3	117.7	132.1
80°	67.9	67.9	68.5	70.4	69.8	71.0	74.1	76.6	82.1	87.1	92.0
82.5°	52.1	51.7	52.2	52.6	52.5	53.7	54.8	55.3	57.4	59.9	63.4
85°	28.4	28.4	29.0	29.0	29.6	29.6	30.3	30.3	30.3	30.9	31.5
87.5°	13.7	13.2	12.6	12.6	13.1	13.9	13.2	12.6	12.5	12.4	12.6
90°	14.3	14.3	13.6	13.6	13.6	12.4	11.8	11.2	10.5	9.9	8.6
92.5°	39.5	40.5	41.4	42.9	50.8	60.0	79.7	109.8	161.7	199.7	202.9
95°	145.5	155.5	160.4	179.0	223.0	275.0	351.2	445.4	537.0	548.8	447.8
97.5°	351.8	359.7	377.7	412.4	450.7	523.0	597.2	663.3	679.5	586.1	399.9
100°	483.2	493.1	515.9	560.5	603.3	667.7	731.5	761.8	714.2	559.4	356.8
102.5°	629.8	637.2	662.1	693.9	739.6	783.2	813.8	795.0	693.4	512.2	324.1
105°	820.7	828.1	840.5	860.9	880.8	887.6	860.4	775.5	626.9	449.1	292.4
107.5°	922.0	927.0	931.1	931.2	921.1	888.8	818.9	705.6	559.0	405.6	279.0
110°	955.8	955.8	951.4	939.6	911.7	859.1	771.7	654.1	520.3	385.2	275.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	951.8	947.3	936.5	916.3	875.6	813.5	725.2	613.5	491.5	373.4	275.0
115°	914.3	906.2	888.8	859.1	810.8	743.3	658.5	562.4	460.2	360.5	276.9
117.5°	848.4	843.5	826.2	795.6	747.3	685.3	612.2	529.5	441.5	354.2	281.0
120°	805.8	800.9	784.2	754.4	708.6	654.1	586.0	511.6	431.1	351.2	284.9
122.5°	768.2	763.7	747.0	719.8	678.9	627.8	567.1	498.3	422.2	348.7	288.4
125°	720.3	714.2	700.5	675.2	640.5	595.9	542.0	478.8	410.0	345.6	294.2
127.5°	679.5	676.8	663.8	641.4	610.0	568.2	517.9	459.0	398.9	344.1	300.8
130°	657.2	653.5	641.1	620.7	589.7	549.4	501.1	446.6	391.5	343.2	304.8
132.5°	634.9	630.7	619.2	598.8	567.8	529.1	485.2	434.2	385.6	343.2	309.2
135°	598.3	594.6	583.4	563.0	535.8	500.5	460.8	418.1	378.4	343.2	315.3
137.5°	559.4	555.2	544.9	526.4	501.9	472.0	439.0	404.5	372.2	343.9	320.8
140°	532.0	528.9	519.7	503.6	480.6	454.6	426.1	397.0	369.2	344.4	323.3
142.5°	506.8	504.2	495.4	481.8	462.3	439.7	415.3	390.6	366.7	344.9	324.8
145°	472.0	469.5	462.7	452.2	437.3	420.6	401.4	382.1	363.0	344.4	326.5
147.5°	442.5	441.4	437.4	429.0	417.2	404.6	389.8	374.2	359.1	342.8	327.0
150°	426.1	425.6	423.0	415.7	406.3	395.1	383.4	369.8	356.2	341.3	327.0
152.5°	413.3	412.6	410.2	404.3	396.4	387.8	377.0	364.8	352.7	339.3	326.5
155°	395.8	395.1	393.3	389.0	382.8	376.0	367.3	357.4	346.9	335.7	325.2
157.5°	380.2	380.3	378.6	375.0	370.2	364.8	358.1	350.0	341.4	332.0	323.6
160°	369.8	370.4	369.2	366.1	361.7	357.4	351.2	345.0	337.0	329.5	322.1
162.5°	360.4	360.5	360.2	357.7	354.3	350.5	345.2	339.5	333.0	326.5	320.6
165°	346.9	346.9	346.9	345.6	343.2	340.1	336.4	332.0	327.0	322.1	318.4
167.5°	334.5	334.6	335.1	334.0	332.7	330.5	327.6	324.8	321.2	317.7	314.9
170°	327.0	327.6	327.6	327.0	325.8	324.6	322.7	320.8	317.7	315.3	313.4
172.5°	320.1	320.8	321.7	320.6	320.4	319.6	318.2	316.4	314.3	312.3	311.4
175°	311.6	312.2	313.4	312.8	312.8	312.8	311.6	311.6	309.7	309.1	309.1
177.5°	307.2	307.2	308.7	308.2	308.7	308.7	308.7	308.2	307.7	307.2	307.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1545.8	1542.3	1535.9	1529.9	1522.6	1516.2	1511.6	1506.3	1499.4	1491.0	1484.0
5°	1614.2	1600.6	1582.7	1567.3	1547.5	1532.1	1516.0	1500.6	1485.1	1465.4	1448.1
7.5°	1690.0	1662.0	1634.7	1600.4	1569.2	1541.4	1514.7	1487.7	1461.3	1433.2	1406.2
10°	1736.5	1702.5	1664.9	1621.6	1582.1	1544.4	1509.8	1475.8	1440.0	1408.6	1374.6
12.5°	1780.0	1736.1	1693.0	1638.4	1590.9	1544.9	1500.9	1458.6	1420.3	1379.4	1343.0
15°	1819.2	1776.0	1727.8	1661.1	1595.1	1539.4	1487.6	1432.7	1385.1	1339.4	1298.6
17.5°	1834.4	1789.1	1733.1	1669.0	1596.8	1526.9	1460.1	1399.8	1343.9	1290.6	1244.8
20°	1828.4	1784.6	1727.2	1666.0	1588.9	1516.0	1443.8	1377.1	1314.7	1258.5	1209.7
22.5°	1814.2	1768.8	1713.3	1648.8	1575.5	1498.3	1421.0	1349.9	1284.5	1226.4	1173.1
25°	1792.6	1730.9	1674.1	1611.1	1541.3	1464.7	1385.1	1306.6	1236.9	1177.6	1119.6
27.5°	1770.3	1693.2	1621.0	1558.4	1484.6	1416.3	1339.5	1259.1	1185.7	1125.4	1065.8
30°	1750.0	1663.6	1583.9	1512.9	1443.1	1378.3	1305.4	1227.0	1151.7	1089.3	1028.8
32.5°	1724.8	1632.9	1545.4	1463.5	1396.2	1331.9	1265.9	1191.0	1117.6	1053.2	991.7
35°	1693.2	1575.9	1480.8	1393.8	1319.0	1256.6	1197.4	1136.9	1063.3	996.6	936.8
37.5°	1651.7	1518.6	1408.6	1313.7	1234.9	1172.3	1125.5	1070.2	1003.1	939.2	883.7
40°	1626.5	1477.1	1356.7	1262.8	1180.0	1114.0	1070.2	1023.3	962.1	902.2	846.6
42.5°	1592.9	1439.1	1304.3	1206.5	1123.2	1059.6	1015.3	974.3	923.1	866.6	807.1
45°	1527.1	1365.3	1223.9	1119.0	1035.0	972.6	931.2	894.8	855.9	804.0	752.1
47.5°	1441.4	1288.4	1140.4	1025.8	943.6	885.7	845.5	816.7	788.9	744.8	694.4
50°	1372.8	1225.2	1080.6	969.5	881.8	826.9	789.2	766.4	741.0	700.8	658.9
52.5°	1291.7	1159.9	1018.4	904.8	822.0	770.6	734.4	711.5	690.6	657.9	617.9
55°	1164.0	1048.5	918.9	815.7	739.8	687.9	653.3	631.7	619.4	591.6	560.1
57.5°	1016.7	933.9	819.6	720.2	653.0	601.7	576.4	558.0	544.1	524.4	502.2
60°	913.9	855.9	753.4	658.9	597.1	548.3	525.5	510.1	497.1	480.5	463.1
62.5°	809.7	767.5	678.3	597.1	540.3	499.5	478.1	464.1	449.2	437.9	421.1
65°	670.0	632.3	570.6	507.0	454.5	421.8	406.3	394.0	384.7	372.3	360.6
67.5°	521.2	505.9	463.3	419.4	381.8	352.6	339.3	330.7	319.5	312.1	304.0
70°	429.8	422.4	392.1	363.1	327.9	308.2	295.8	292.1	278.5	271.1	265.5
72.5°	348.8	345.3	327.9	307.8	283.0	265.6	254.3	250.1	241.5	235.5	232.0
75°	239.0	240.2	237.1	224.2	214.9	203.7	193.9	191.4	185.3	180.3	177.2
77.5°	151.1	157.5	157.7	157.1	153.4	146.6	142.5	140.7	134.6	132.8	132.1
80°	103.8	110.5	116.7	116.1	114.9	113.0	110.0	108.1	105.0	103.1	101.9
82.5°	69.2	75.5	80.6	84.0	83.7	81.9	79.8	78.9	78.3	76.9	76.7
85°	32.7	34.0	35.8	40.2	43.3	43.8	43.3	42.6	40.7	41.4	42.0
87.5°	13.0	12.8	13.1	12.8	12.1	14.3	15.5	15.9	15.1	14.3	13.6
90°	8.1	6.8	6.2	5.0	3.7	2.5	1.3	0.6	1.3	2.5	3.7
92.5°	141.3	84.6	50.8	32.7	22.0	14.3	9.2	7.5	9.2	14.3	22.0
95°	276.9	140.6	74.3	46.4	32.8	26.0	21.1	20.4	21.1	26.0	32.8
97.5°	221.0	121.1	77.3	57.2	45.0	38.2	34.7	33.9	34.7	38.2	45.0
100°	200.7	120.2	84.2	65.7	53.9	47.1	44.6	43.3	44.6	47.1	53.9
102.5°	192.3	124.6	92.7	74.5	63.8	56.5	54.5	53.8	54.5	56.5	63.8
105°	188.9	133.8	106.5	89.2	79.3	73.1	70.0	70.0	70.0	73.1	79.3
107.5°	194.6	147.4	121.0	105.4	95.1	90.1	87.1	85.9	87.1	90.1	95.1
110°	200.1	157.3	131.9	115.8	106.5	100.9	98.5	97.3	98.5	100.9	106.5





TEST NUMBER: P333624-927

CATALOG NUMBER: S125RDIP-S1270D810U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	207.0	166.8	142.4	126.7	117.4	111.9	109.9	108.6	109.9	111.9	117.4
115°	217.4	181.5	158.6	143.1	133.8	128.3	126.4	125.1	126.4	128.3	133.8
117.5°	229.3	196.6	174.9	159.9	149.4	143.9	141.9	140.0	141.9	143.9	149.4
120°	237.3	207.5	185.8	170.3	159.8	154.2	151.8	149.9	151.8	154.2	159.8
122.5°	246.1	217.9	196.2	180.8	169.2	163.7	161.7	160.3	161.7	163.7	169.2
125°	258.3	231.6	211.2	195.1	183.3	177.8	174.7	173.4	174.7	177.8	183.3
127.5°	269.4	244.9	225.2	209.1	196.6	189.6	185.6	183.7	185.6	189.6	196.6
130°	276.9	253.3	234.2	218.0	205.0	196.9	192.0	190.1	192.0	196.9	205.0
132.5°	283.3	261.3	242.1	225.9	212.5	203.4	197.5	195.1	197.5	203.4	212.5
135°	292.4	272.0	252.7	236.0	223.0	213.1	205.7	203.2	205.7	213.1	223.0
137.5°	299.0	279.5	262.0	244.8	232.0	222.1	215.2	213.3	215.2	222.1	232.0
140°	303.5	284.9	267.0	250.3	238.4	228.5	221.1	219.3	221.1	228.5	238.4
142.5°	306.0	288.4	271.4	255.7	244.4	234.5	227.6	226.2	227.6	234.5	244.4
145°	309.7	294.2	278.1	263.9	252.7	244.1	237.8	236.6	237.8	244.1	252.7
147.5°	312.0	297.9	283.8	271.3	261.7	253.6	248.3	247.5	248.3	253.6	261.7
150°	313.4	300.4	286.8	276.2	267.6	259.5	255.2	254.0	255.2	259.5	267.6
152.5°	314.4	302.9	290.3	280.7	272.5	265.5	261.7	260.9	261.7	265.5	272.5
155°	315.3	305.4	294.9	286.1	280.0	273.8	270.1	270.1	270.1	273.8	280.0
157.5°	315.9	307.4	298.4	291.8	286.4	281.1	278.1	278.2	278.1	281.1	286.4
160°	315.9	308.5	300.4	294.9	289.9	285.6	283.0	283.7	283.0	285.6	289.9
162.5°	315.4	309.4	302.4	297.8	293.8	290.0	287.6	288.1	287.6	290.0	293.8
165°	314.7	309.7	304.8	301.0	298.6	295.5	293.6	294.9	293.6	295.5	298.6
167.5°	313.1	309.7	305.6	303.2	301.5	299.8	298.7	299.3	298.7	299.8	301.5
170°	312.2	309.7	306.6	304.8	303.5	302.3	301.7	302.3	301.7	302.3	303.5
172.5°	311.2	309.2	306.6	305.7	305.0	303.7	303.2	304.3	303.2	303.7	305.0
175°	309.7	308.5	306.6	306.6	306.6	306.0	305.4	306.6	305.4	306.0	306.6
177.5°	308.2	307.7	306.7	306.7	307.2	306.7	306.7	307.7	306.7	306.7	307.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333624-927

CATALOG NUMBER: S125RDIP-S1270D810U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1479.1	1472.2	1467.2	1457.3	1450.4	1447.5	1442.0	1440.5	1446.0	1442.0	1441.5
5°	1435.1	1417.2	1403.0	1388.8	1373.3	1363.5	1348.7	1346.2	1342.5	1336.9	1335.7
7.5°	1382.4	1359.1	1340.8	1317.3	1296.9	1280.5	1261.9	1253.2	1248.4	1241.2	1231.6
10°	1346.8	1319.0	1294.3	1270.8	1245.5	1225.2	1206.7	1192.4	1183.1	1174.5	1170.8
12.5°	1311.7	1283.4	1251.8	1223.4	1195.2	1172.3	1151.8	1142.6	1132.3	1122.1	1113.5
15°	1257.3	1219.6	1185.0	1152.3	1128.2	1103.5	1083.7	1070.2	1054.7	1050.4	1033.7
17.5°	1199.4	1162.5	1122.0	1087.6	1059.6	1032.5	1010.7	995.3	983.7	967.8	960.1
20°	1163.4	1119.6	1080.1	1048.5	1017.6	985.6	963.3	950.4	939.2	926.3	920.1
22.5°	1124.9	1082.0	1041.5	1004.6	973.2	941.6	925.7	912.4	899.7	887.7	879.6
25°	1068.3	1025.1	982.5	944.2	911.5	888.6	870.1	854.6	847.9	836.1	827.4
27.5°	1012.3	966.4	922.2	884.0	858.3	835.8	820.5	808.3	796.1	785.8	778.3
30°	976.3	929.4	881.2	851.0	823.8	802.2	785.4	773.7	764.5	755.2	749.6
32.5°	940.2	891.8	849.1	816.3	790.7	772.0	754.9	743.6	733.9	723.6	717.1
35°	882.4	833.1	798.4	766.4	741.0	723.7	712.0	695.9	687.9	680.5	673.7
37.5°	828.7	782.8	745.4	717.2	695.2	678.0	662.8	654.2	644.3	637.6	632.0
40°	789.2	747.2	713.2	683.6	667.6	648.4	634.2	623.1	615.7	607.0	600.9
42.5°	753.6	714.6	681.6	655.0	634.9	618.8	605.1	593.9	584.6	578.4	573.1
45°	703.4	664.5	632.3	607.6	589.1	573.7	559.4	553.9	541.5	534.2	531.7
47.5°	651.3	616.6	585.5	562.8	543.8	529.2	515.9	504.5	497.7	490.4	486.5
50°	616.3	583.0	553.9	531.7	513.2	497.1	484.7	477.4	468.1	461.3	456.4
52.5°	581.2	550.3	521.3	500.0	484.0	467.9	454.2	446.7	437.9	433.6	430.2
55°	531.1	498.4	473.6	452.7	435.9	421.1	408.2	400.8	395.2	390.9	389.7
57.5°	474.3	448.3	425.3	406.5	389.1	375.2	363.8	356.8	351.9	351.3	347.5
60°	437.2	413.8	392.8	372.3	357.5	344.6	334.7	326.7	321.7	321.1	319.9
62.5°	400.1	377.6	358.1	340.2	326.9	314.4	305.1	296.0	293.1	290.0	287.2
65°	345.2	324.8	308.8	294.5	280.4	269.8	260.6	255.0	248.3	244.5	237.7
67.5°	291.2	275.4	260.0	248.0	236.9	226.9	219.2	211.0	206.4	203.4	198.4
70°	255.6	243.3	227.8	214.9	206.3	198.2	192.0	182.8	179.7	177.2	174.8
72.5°	222.0	211.2	198.2	187.7	179.1	171.5	164.4	160.0	157.0	154.5	153.0
75°	174.8	164.3	153.1	145.8	139.6	133.4	129.7	126.6	125.3	124.8	122.2
77.5°	128.3	122.8	113.8	108.0	103.9	101.4	98.1	96.5	96.3	93.6	92.8
80°	98.2	95.1	87.7	85.2	82.1	79.7	77.8	74.7	71.6	70.4	68.5
82.5°	73.0	69.9	66.9	63.0	60.4	58.9	57.0	55.9	56.3	54.6	53.7
85°	38.9	35.8	34.6	34.0	32.7	34.0	33.4	32.7	32.1	31.5	32.1
87.5°	13.3	13.6	13.2	14.4	13.1	13.9	13.9	13.6	13.7	13.9	13.6
90°	5.0	6.2	6.8	8.1	8.6	9.9	10.5	11.2	11.8	12.4	13.6
92.5°	32.7	50.8	84.6	141.3	202.9	199.7	161.7	109.8	79.7	60.0	50.8
95°	46.4	74.3	140.6	276.9	447.8	548.8	537.0	445.4	351.2	275.0	223.0
97.5°	57.2	77.3	121.1	221.0	399.9	586.1	679.5	663.3	597.2	523.0	450.7
100°	65.7	84.2	120.2	200.7	356.8	559.4	714.2	761.8	731.5	667.7	603.3
102.5°	74.5	92.7	124.6	192.3	324.1	512.2	693.4	795.0	813.8	783.2	739.6
105°	89.2	106.5	133.8	188.9	292.4	449.1	626.9	775.5	860.4	887.6	880.8
107.5°	105.4	121.0	147.4	194.6	279.0	405.6	559.0	705.6	818.9	888.8	921.1
110°	115.8	131.9	157.3	200.1	275.0	385.2	520.3	654.1	771.7	859.1	911.7



TEST NUMBER: P333624-927

CATALOG NUMBER: S125RDIP-S1270D810U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	126.7	142.4	166.8	207.0	275.0	373.4	491.5	613.5	725.2	813.5	875.6
115°	143.1	158.6	181.5	217.4	276.9	360.5	460.2	562.4	658.5	743.3	810.8
117.5°	159.9	174.9	196.6	229.3	281.0	354.2	441.5	529.5	612.2	685.3	747.3
120°	170.3	185.8	207.5	237.3	284.9	351.2	431.1	511.6	586.0	654.1	708.6
122.5°	180.8	196.2	217.9	246.1	288.4	348.7	422.2	498.3	567.1	627.8	678.9
125°	195.1	211.2	231.6	258.3	294.2	345.6	410.0	478.8	542.0	595.9	640.5
127.5°	209.1	225.2	244.9	269.4	300.8	344.1	398.9	459.0	517.9	568.2	610.0
130°	218.0	234.2	253.3	276.9	304.8	343.2	391.5	446.6	501.1	549.4	589.7
132.5°	225.9	242.1	261.3	283.3	309.2	343.2	385.6	434.2	485.2	529.1	567.8
135°	236.0	252.7	272.0	292.4	315.3	343.2	378.4	418.1	460.8	500.5	535.8
137.5°	244.8	262.0	279.5	299.0	320.8	343.9	372.2	404.5	439.0	472.0	501.9
140°	250.3	267.0	284.9	303.5	323.3	344.4	369.2	397.0	426.1	454.6	480.6
142.5°	255.7	271.4	288.4	306.0	324.8	344.9	366.7	390.6	415.3	439.7	462.3
145°	263.9	278.1	294.2	309.7	326.5	344.4	363.0	382.1	401.4	420.6	437.3
147.5°	271.3	283.8	297.9	312.0	327.0	342.8	359.1	374.2	389.8	404.6	417.2
150°	276.2	286.8	300.4	313.4	327.0	341.3	356.2	369.8	383.4	395.1	406.3
152.5°	280.7	290.3	302.9	314.4	326.5	339.3	352.7	364.8	377.0	387.8	396.4
155°	286.1	294.9	305.4	315.3	325.2	335.7	346.9	357.4	367.3	376.0	382.8
157.5°	291.8	298.4	307.4	315.9	323.6	332.0	341.4	350.0	358.1	364.8	370.2
160°	294.9	300.4	308.5	315.9	322.1	329.5	337.0	345.0	351.2	357.4	361.7
162.5°	297.8	302.4	309.4	315.4	320.6	326.5	333.0	339.5	345.2	350.5	354.3
165°	301.0	304.8	309.7	314.7	318.4	322.1	327.0	332.0	336.4	340.1	343.2
167.5°	303.2	305.6	309.7	313.1	314.9	317.7	321.2	324.8	327.6	330.5	332.7
170°	304.8	306.6	309.7	312.2	313.4	315.3	317.7	320.8	322.7	324.6	325.8
172.5°	305.7	306.6	309.2	311.2	311.4	312.3	314.3	316.4	318.2	319.6	320.4
175°	306.6	306.6	308.5	309.7	309.1	309.1	309.7	311.6	311.6	312.8	312.8
177.5°	306.7	306.7	307.7	308.2	307.2	307.2	307.7	308.2	308.7	308.7	308.7
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333624-927

CATALOG NUMBER: S125RDIP-S1270D810U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1441.1	1435.6	1434.1	1436.1	1434.1	1435.6	1441.1	1441.5	1442.0	1446.0	1440.5
5°	1329.5	1323.3	1326.4	1325.2	1326.4	1323.3	1329.5	1335.7	1336.9	1342.5	1346.2
7.5°	1231.4	1223.8	1215.6	1218.2	1215.6	1223.8	1231.4	1231.6	1241.2	1248.4	1253.2
10°	1162.8	1156.6	1152.9	1156.0	1152.9	1156.6	1162.8	1170.8	1174.5	1183.1	1192.4
12.5°	1105.0	1101.3	1098.0	1096.7	1098.0	1101.3	1105.0	1113.5	1122.1	1132.3	1142.6
15°	1026.3	1018.9	1015.8	1007.8	1015.8	1018.9	1026.3	1033.7	1050.4	1054.7	1070.2
17.5°	953.8	951.3	943.3	939.8	943.3	951.3	953.8	960.1	967.8	983.7	995.3
20°	910.9	908.4	900.3	905.3	900.3	908.4	910.9	920.1	926.3	939.2	950.4
22.5°	875.3	869.8	867.2	865.8	867.2	869.8	875.3	879.6	887.7	899.7	912.4
25°	825.0	817.0	813.9	810.2	813.9	817.0	825.0	827.4	836.1	847.9	854.6
27.5°	774.8	770.6	766.4	765.5	766.4	770.6	774.8	778.3	785.8	796.1	808.3
30°	742.3	737.9	734.8	734.8	734.8	737.9	742.3	749.6	755.2	764.5	773.7
32.5°	713.1	709.8	706.7	706.2	706.7	709.8	713.1	717.1	723.6	733.9	743.6
35°	670.7	665.7	664.5	660.8	664.5	665.7	670.7	673.7	680.5	687.9	695.9
37.5°	626.5	622.4	622.3	621.9	622.3	622.4	626.5	632.0	637.6	644.3	654.2
40°	598.3	595.2	594.7	590.3	594.7	595.2	598.3	600.9	607.0	615.7	623.1
42.5°	568.2	566.6	564.5	562.7	564.5	566.6	568.2	573.1	578.4	584.6	593.9
45°	527.4	523.0	523.0	519.9	523.0	523.0	527.4	531.7	534.2	541.5	553.9
47.5°	485.1	481.8	482.1	479.0	482.1	481.8	485.1	486.5	490.4	497.7	504.5
50°	456.9	455.1	454.5	453.3	454.5	455.1	456.9	456.4	461.3	468.1	477.4
52.5°	428.8	427.9	430.3	427.5	430.3	427.9	428.8	430.2	433.6	437.9	446.7
55°	390.9	389.0	392.8	389.0	392.8	389.0	390.9	389.7	390.9	395.2	400.8
57.5°	347.3	345.5	348.9	347.1	348.9	345.5	347.3	347.5	351.3	351.9	356.8
60°	318.6	315.0	316.8	317.4	316.8	315.0	318.6	319.9	321.1	321.7	326.7
62.5°	284.6	282.3	283.7	280.8	283.7	282.3	284.6	287.2	290.0	293.1	296.0
65°	236.5	234.6	232.2	230.9	232.2	234.6	236.5	237.7	244.5	248.3	255.0
67.5°	198.7	194.2	194.2	195.1	194.2	194.2	198.7	198.4	203.4	206.4	211.0
70°	171.0	171.0	170.4	170.4	170.4	171.0	171.0	174.8	177.2	179.7	182.8
72.5°	151.8	151.3	150.2	149.7	150.2	151.3	151.8	153.0	154.5	157.0	160.0
75°	122.2	122.9	121.7	121.0	121.7	122.9	122.2	122.2	124.8	125.3	126.6
77.5°	90.3	87.7	89.0	87.7	89.0	87.7	90.3	92.8	93.6	96.3	96.5
80°	68.5	67.9	69.8	67.9	69.8	67.9	68.5	68.5	70.4	71.6	74.7
82.5°	54.2	53.6	54.5	53.1	54.5	53.6	54.2	53.7	54.6	56.3	55.9
85°	32.7	32.1	31.5	32.1	31.5	32.1	32.7	32.1	31.5	32.1	32.7
87.5°	14.1	13.6	13.7	13.7	13.7	13.6	14.1	13.6	13.9	13.7	13.6
90°	13.6	13.6	14.3	14.3	14.3	13.6	13.6	13.6	12.4	11.8	11.2
92.5°	42.9	41.4	40.5	39.5	40.5	41.4	42.9	50.8	60.0	79.7	109.8
95°	179.0	160.4	155.5	145.5	155.5	160.4	179.0	223.0	275.0	351.2	445.4
97.5°	412.4	377.7	359.7	351.8	359.7	377.7	412.4	450.7	523.0	597.2	663.3
100°	560.5	515.9	493.1	483.2	493.1	515.9	560.5	603.3	667.7	731.5	761.8
102.5°	693.9	662.1	637.2	629.8	637.2	662.1	693.9	739.6	783.2	813.8	795.0
105°	860.9	840.5	828.1	820.7	828.1	840.5	860.9	880.8	887.6	860.4	775.5
107.5°	931.2	931.1	927.0	922.0	927.0	931.1	931.2	921.1	888.8	818.9	705.6
110°	939.6	951.4	955.8	955.8	955.8	951.4	939.6	911.7	859.1	771.7	654.1



TEST NUMBER: P333624-927

CATALOG NUMBER: S125RDIP-S1270D810U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	916.3	936.5	947.3	951.8	947.3	936.5	916.3	875.6	813.5	725.2	613.5
115°	859.1	888.8	906.2	914.3	906.2	888.8	859.1	810.8	743.3	658.5	562.4
117.5°	795.6	826.2	843.5	848.4	843.5	826.2	795.6	747.3	685.3	612.2	529.5
120°	754.4	784.2	800.9	805.8	800.9	784.2	754.4	708.6	654.1	586.0	511.6
122.5°	719.8	747.0	763.7	768.2	763.7	747.0	719.8	678.9	627.8	567.1	498.3
125°	675.2	700.5	714.2	720.3	714.2	700.5	675.2	640.5	595.9	542.0	478.8
127.5°	641.4	663.8	676.8	679.5	676.8	663.8	641.4	610.0	568.2	517.9	459.0
130°	620.7	641.1	653.5	657.2	653.5	641.1	620.7	589.7	549.4	501.1	446.6
132.5°	598.8	619.2	630.7	634.9	630.7	619.2	598.8	567.8	529.1	485.2	434.2
135°	563.0	583.4	594.6	598.3	594.6	583.4	563.0	535.8	500.5	460.8	418.1
137.5°	526.4	544.9	555.2	559.4	555.2	544.9	526.4	501.9	472.0	439.0	404.5
140°	503.6	519.7	528.9	532.0	528.9	519.7	503.6	480.6	454.6	426.1	397.0
142.5°	481.8	495.4	504.2	506.8	504.2	495.4	481.8	462.3	439.7	415.3	390.6
145°	452.2	462.7	469.5	472.0	469.5	462.7	452.2	437.3	420.6	401.4	382.1
147.5°	429.0	437.4	441.4	442.5	441.4	437.4	429.0	417.2	404.6	389.8	374.2
150°	415.7	423.0	425.6	426.1	425.6	423.0	415.7	406.3	395.1	383.4	369.8
152.5°	404.3	410.2	412.6	413.3	412.6	410.2	404.3	396.4	387.8	377.0	364.8
155°	389.0	393.3	395.1	395.8	395.1	393.3	389.0	382.8	376.0	367.3	357.4
157.5°	375.0	378.6	380.3	380.2	380.3	378.6	375.0	370.2	364.8	358.1	350.0
160°	366.1	369.2	370.4	369.8	370.4	369.2	366.1	361.7	357.4	351.2	345.0
162.5°	357.7	360.2	360.5	360.4	360.5	360.2	357.7	354.3	350.5	345.2	339.5
165°	345.6	346.9	346.9	346.9	346.9	346.9	345.6	343.2	340.1	336.4	332.0
167.5°	334.0	335.1	334.6	334.5	334.6	335.1	334.0	332.7	330.5	327.6	324.8
170°	327.0	327.6	327.6	327.0	327.6	327.6	327.0	325.8	324.6	322.7	320.8
172.5°	320.6	321.7	320.8	320.1	320.8	321.7	320.6	320.4	319.6	318.2	316.4
175°	312.8	313.4	312.2	311.6	312.2	313.4	312.8	312.8	312.8	311.6	311.6
177.5°	308.2	308.7	307.2	307.2	307.2	308.7	308.2	308.7	308.7	308.7	308.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333624-927

CATALOG NUMBER: S125RDIP-S1270D810U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1442.0	1447.5	1450.4	1457.3	1467.2	1472.2	1479.1	1484.0	1491.0	1499.4	1506.3
5°	1348.7	1363.5	1373.3	1388.8	1403.0	1417.2	1435.1	1448.1	1465.4	1485.1	1500.6
7.5°	1261.9	1280.5	1296.9	1317.3	1340.8	1359.1	1382.4	1406.2	1433.2	1461.3	1487.7
10°	1206.7	1225.2	1245.5	1270.8	1294.3	1319.0	1346.8	1374.6	1408.6	1440.0	1475.8
12.5°	1151.8	1172.3	1195.2	1223.4	1251.8	1283.4	1311.7	1343.0	1379.4	1420.3	1458.6
15°	1083.7	1103.5	1128.2	1152.3	1185.0	1219.6	1257.3	1298.6	1339.4	1385.1	1432.7
17.5°	1010.7	1032.5	1059.6	1087.6	1122.0	1162.5	1199.4	1244.8	1290.6	1343.9	1399.8
20°	963.3	985.6	1017.6	1048.5	1080.1	1119.6	1163.4	1209.7	1258.5	1314.7	1377.1
22.5°	925.7	941.6	973.2	1004.6	1041.5	1082.0	1124.9	1173.1	1226.4	1284.5	1349.9
25°	870.1	888.6	911.5	944.2	982.5	1025.1	1068.3	1119.6	1177.6	1236.9	1306.6
27.5°	820.5	835.8	858.3	884.0	922.2	966.4	1012.3	1065.8	1125.4	1185.7	1259.1
30°	785.4	802.2	823.8	851.0	881.2	929.4	976.3	1028.8	1089.3	1151.7	1227.0
32.5°	754.9	772.0	790.7	816.3	849.1	891.8	940.2	991.7	1053.2	1117.6	1191.0
35°	712.0	723.7	741.0	766.4	798.4	833.1	882.4	936.8	996.6	1063.3	1136.9
37.5°	662.8	678.0	695.2	717.2	745.4	782.8	828.7	883.7	939.2	1003.1	1070.2
40°	634.2	648.4	667.6	683.6	713.2	747.2	789.2	846.6	902.2	962.1	1023.3
42.5°	605.1	618.8	634.9	655.0	681.6	714.6	753.6	807.1	866.6	923.1	974.3
45°	559.4	573.7	589.1	607.6	632.3	664.5	703.4	752.1	804.0	855.9	894.8
47.5°	515.9	529.2	543.8	562.8	585.5	616.6	651.3	694.4	744.8	788.9	816.7
50°	484.7	497.1	513.2	531.7	553.9	583.0	616.3	658.9	700.8	741.0	766.4
52.5°	454.2	467.9	484.0	500.0	521.3	550.3	581.2	617.9	657.9	690.6	711.5
55°	408.2	421.1	435.9	452.7	473.6	498.4	531.1	560.1	591.6	619.4	631.7
57.5°	363.8	375.2	389.1	406.5	425.3	448.3	474.3	502.2	524.4	544.1	558.0
60°	334.7	344.6	357.5	372.3	392.8	413.8	437.2	463.1	480.5	497.1	510.1
62.5°	305.1	314.4	326.9	340.2	358.1	377.6	400.1	421.1	437.9	449.2	464.1
65°	260.6	269.8	280.4	294.5	308.8	324.8	345.2	360.6	372.3	384.7	394.0
67.5°	219.2	226.9	236.9	248.0	260.0	275.4	291.2	304.0	312.1	319.5	330.7
70°	192.0	198.2	206.3	214.9	227.8	243.3	255.6	265.5	271.1	278.5	292.1
72.5°	164.4	171.5	179.1	187.7	198.2	211.2	222.0	232.0	235.5	241.5	250.1
75°	129.7	133.4	139.6	145.8	153.1	164.3	174.8	177.2	180.3	185.3	191.4
77.5°	98.1	101.4	103.9	108.0	113.8	122.8	128.3	132.1	132.8	134.6	140.7
80°	77.8	79.7	82.1	85.2	87.7	95.1	98.2	101.9	103.1	105.0	108.1
82.5°	57.0	58.9	60.4	63.0	66.9	69.9	73.0	76.7	76.9	78.3	78.9
85°	33.4	34.0	32.7	34.0	34.6	35.8	38.9	42.0	41.4	40.7	42.6
87.5°	13.9	13.9	13.1	14.4	13.2	13.6	13.3	13.6	14.3	15.1	15.9
90°	10.5	9.9	8.6	8.1	6.8	6.2	5.0	3.7	2.5	1.3	0.6
92.5°	161.7	199.7	202.9	141.3	84.6	50.8	32.7	22.0	14.3	9.2	7.5
95°	537.0	548.8	447.8	276.9	140.6	74.3	46.4	32.8	26.0	21.1	20.4
97.5°	679.5	586.1	399.9	221.0	121.1	77.3	57.2	45.0	38.2	34.7	33.9
100°	714.2	559.4	356.8	200.7	120.2	84.2	65.7	53.9	47.1	44.6	43.3
102.5°	693.4	512.2	324.1	192.3	124.6	92.7	74.5	63.8	56.5	54.5	53.8
105°	626.9	449.1	292.4	188.9	133.8	106.5	89.2	79.3	73.1	70.0	70.0
107.5°	559.0	405.6	279.0	194.6	147.4	121.0	105.4	95.1	90.1	87.1	85.9
110°	520.3	385.2	275.0	200.1	157.3	131.9	115.8	106.5	100.9	98.5	97.3



TEST NUMBER: P333624-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	491.5	373.4	275.0	207.0	166.8	142.4	126.7	117.4	111.9	109.9	108.6
115°	460.2	360.5	276.9	217.4	181.5	158.6	143.1	133.8	128.3	126.4	125.1
117.5°	441.5	354.2	281.0	229.3	196.6	174.9	159.9	149.4	143.9	141.9	140.0
120°	431.1	351.2	284.9	237.3	207.5	185.8	170.3	159.8	154.2	151.8	149.9
122.5°	422.2	348.7	288.4	246.1	217.9	196.2	180.8	169.2	163.7	161.7	160.3
125°	410.0	345.6	294.2	258.3	231.6	211.2	195.1	183.3	177.8	174.7	173.4
127.5°	398.9	344.1	300.8	269.4	244.9	225.2	209.1	196.6	189.6	185.6	183.7
130°	391.5	343.2	304.8	276.9	253.3	234.2	218.0	205.0	196.9	192.0	190.1
132.5°	385.6	343.2	309.2	283.3	261.3	242.1	225.9	212.5	203.4	197.5	195.1
135°	378.4	343.2	315.3	292.4	272.0	252.7	236.0	223.0	213.1	205.7	203.2
137.5°	372.2	343.9	320.8	299.0	279.5	262.0	244.8	232.0	222.1	215.2	213.3
140°	369.2	344.4	323.3	303.5	284.9	267.0	250.3	238.4	228.5	221.1	219.3
142.5°	366.7	344.9	324.8	306.0	288.4	271.4	255.7	244.4	234.5	227.6	226.2
145°	363.0	344.4	326.5	309.7	294.2	278.1	263.9	252.7	244.1	237.8	236.6
147.5°	359.1	342.8	327.0	312.0	297.9	283.8	271.3	261.7	253.6	248.3	247.5
150°	356.2	341.3	327.0	313.4	300.4	286.8	276.2	267.6	259.5	255.2	254.0
152.5°	352.7	339.3	326.5	314.4	302.9	290.3	280.7	272.5	265.5	261.7	260.9
155°	346.9	335.7	325.2	315.3	305.4	294.9	286.1	280.0	273.8	270.1	270.1
157.5°	341.4	332.0	323.6	315.9	307.4	298.4	291.8	286.4	281.1	278.1	278.2
160°	337.0	329.5	322.1	315.9	308.5	300.4	294.9	289.9	285.6	283.0	283.7
162.5°	333.0	326.5	320.6	315.4	309.4	302.4	297.8	293.8	290.0	287.6	288.1
165°	327.0	322.1	318.4	314.7	309.7	304.8	301.0	298.6	295.5	293.6	294.9
167.5°	321.2	317.7	314.9	313.1	309.7	305.6	303.2	301.5	299.8	298.7	299.3
170°	317.7	315.3	313.4	312.2	309.7	306.6	304.8	303.5	302.3	301.7	302.3
172.5°	314.3	312.3	311.4	311.2	309.2	306.6	305.7	305.0	303.7	303.2	304.3
175°	309.7	309.1	309.1	309.7	308.5	306.6	306.6	306.6	306.0	305.4	306.6
177.5°	307.7	307.2	307.2	308.2	307.7	306.7	306.7	307.2	306.7	306.7	307.7
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333624-927

CATALOG NUMBER: S125RDIP-S1270D810U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1511.6	1516.2	1522.6	1529.9	1535.9	1542.3	1545.8	1545.8	1548.7	1555.1	1563.5
5°	1516.0	1532.1	1547.5	1567.3	1582.7	1600.6	1614.2	1627.1	1638.9	1653.7	1669.1
7.5°	1514.7	1541.4	1569.2	1600.4	1634.7	1662.0	1690.0	1712.0	1733.8	1762.1	1784.5
10°	1509.8	1544.4	1582.1	1621.6	1664.9	1702.5	1736.5	1767.4	1797.0	1827.9	1855.6
12.5°	1500.9	1544.9	1590.9	1638.4	1693.0	1736.1	1780.0	1812.8	1847.4	1881.2	1915.4
15°	1487.6	1539.4	1595.1	1661.1	1727.8	1776.0	1819.2	1861.8	1893.9	1932.2	1964.9
17.5°	1460.1	1526.9	1596.8	1669.0	1733.1	1789.1	1834.4	1874.9	1909.1	1951.2	1995.7
20°	1443.8	1516.0	1588.9	1666.0	1727.2	1784.6	1828.4	1870.4	1913.0	1968.0	2022.4
22.5°	1421.0	1498.3	1575.5	1648.8	1713.3	1768.8	1814.2	1865.5	1921.4	1983.9	2049.5
25°	1385.1	1464.7	1541.3	1611.1	1674.1	1730.9	1792.6	1861.8	1929.8	2011.9	2106.3
27.5°	1339.5	1416.3	1484.6	1558.4	1621.0	1693.2	1770.3	1845.2	1943.2	2056.2	2174.1
30°	1305.4	1378.3	1443.1	1512.9	1583.9	1663.6	1750.0	1838.3	1955.0	2087.8	2228.0
32.5°	1265.9	1331.9	1396.2	1463.5	1545.4	1632.9	1724.8	1832.9	1972.4	2123.4	2268.5
35°	1197.4	1256.6	1319.0	1393.8	1480.8	1575.9	1693.2	1824.8	1993.4	2155.8	2286.1
37.5°	1125.5	1172.3	1234.9	1313.7	1408.6	1518.6	1651.7	1811.6	1984.7	2130.4	2185.9
40°	1070.2	1114.0	1180.0	1262.8	1356.7	1477.1	1626.5	1790.8	1964.9	2066.2	2061.9
42.5°	1015.3	1059.6	1123.2	1206.5	1304.3	1439.1	1592.9	1763.6	1910.6	1949.2	1868.8
45°	931.2	972.6	1035.0	1119.0	1223.9	1365.3	1527.1	1690.8	1784.6	1722.3	1562.9
47.5°	845.5	885.7	943.6	1025.8	1140.4	1288.4	1441.4	1575.7	1588.9	1454.8	1263.8
50°	789.2	826.9	881.8	969.5	1080.6	1225.2	1372.8	1478.4	1445.6	1282.0	1085.0
52.5°	734.4	770.6	822.0	904.8	1018.4	1159.9	1291.7	1374.6	1298.9	1124.9	947.6
55°	653.3	687.9	739.8	815.7	918.9	1048.5	1164.0	1194.3	1083.2	907.8	764.5
57.5°	576.4	601.7	653.0	720.2	819.6	933.9	1016.7	1011.2	888.6	730.6	627.9
60°	525.5	548.3	597.1	658.9	753.4	855.9	913.9	889.2	765.1	634.8	536.0
62.5°	478.1	499.5	540.3	597.1	678.3	767.5	809.7	775.6	658.4	543.9	465.3
65°	406.3	421.8	454.5	507.0	570.6	632.3	670.0	620.0	516.3	429.8	370.5
67.5°	339.3	352.6	381.8	419.4	463.3	505.9	521.2	474.3	393.6	335.3	293.6
70°	295.8	308.2	327.9	363.1	392.1	422.4	429.8	387.8	320.5	276.0	250.1
72.5°	254.3	265.6	283.0	307.8	327.9	345.3	348.8	309.7	258.3	227.6	207.6
75°	193.9	203.7	214.9	224.2	237.1	240.2	239.0	208.7	180.9	160.6	149.4
77.5°	142.5	146.6	153.4	157.1	157.7	157.5	151.1	132.1	117.7	109.3	104.7
80°	110.0	113.0	114.9	116.1	116.7	110.5	103.8	92.0	87.1	82.1	76.6
82.5°	79.8	81.9	83.7	84.0	80.6	75.5	69.2	63.4	59.9	57.4	55.3
85°	43.3	43.8	43.3	40.2	35.8	34.0	32.7	31.5	30.9	30.3	30.3
87.5°	15.5	14.3	12.1	12.8	13.1	12.8	13.0	12.6	12.4	12.5	12.6
90°	1.3	2.5	3.7	5.0	6.2	6.8	8.1	8.6	9.9	10.5	11.2
92.5°	9.2	14.3	22.0	32.7	50.8	84.6	141.3	202.9	199.7	161.7	109.8
95°	21.1	26.0	32.8	46.4	74.3	140.6	276.9	447.8	548.8	537.0	445.4
97.5°	34.7	38.2	45.0	57.2	77.3	121.1	221.0	399.9	586.1	679.5	663.3
100°	44.6	47.1	53.9	65.7	84.2	120.2	200.7	356.8	559.4	714.2	761.8
102.5°	54.5	56.5	63.8	74.5	92.7	124.6	192.3	324.1	512.2	693.4	795.0
105°	70.0	73.1	79.3	89.2	106.5	133.8	188.9	292.4	449.1	626.9	775.5
107.5°	87.1	90.1	95.1	105.4	121.0	147.4	194.6	279.0	405.6	559.0	705.6
110°	98.5	100.9	106.5	115.8	131.9	157.3	200.1	275.0	385.2	520.3	654.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	109.9	111.9	117.4	126.7	142.4	166.8	207.0	275.0	373.4	491.5	613.5
115°	126.4	128.3	133.8	143.1	158.6	181.5	217.4	276.9	360.5	460.2	562.4
117.5°	141.9	143.9	149.4	159.9	174.9	196.6	229.3	281.0	354.2	441.5	529.5
120°	151.8	154.2	159.8	170.3	185.8	207.5	237.3	284.9	351.2	431.1	511.6
122.5°	161.7	163.7	169.2	180.8	196.2	217.9	246.1	288.4	348.7	422.2	498.3
125°	174.7	177.8	183.3	195.1	211.2	231.6	258.3	294.2	345.6	410.0	478.8
127.5°	185.6	189.6	196.6	209.1	225.2	244.9	269.4	300.8	344.1	398.9	459.0
130°	192.0	196.9	205.0	218.0	234.2	253.3	276.9	304.8	343.2	391.5	446.6
132.5°	197.5	203.4	212.5	225.9	242.1	261.3	283.3	309.2	343.2	385.6	434.2
135°	205.7	213.1	223.0	236.0	252.7	272.0	292.4	315.3	343.2	378.4	418.1
137.5°	215.2	222.1	232.0	244.8	262.0	279.5	299.0	320.8	343.9	372.2	404.5
140°	221.1	228.5	238.4	250.3	267.0	284.9	303.5	323.3	344.4	369.2	397.0
142.5°	227.6	234.5	244.4	255.7	271.4	288.4	306.0	324.8	344.9	366.7	390.6
145°	237.8	244.1	252.7	263.9	278.1	294.2	309.7	326.5	344.4	363.0	382.1
147.5°	248.3	253.6	261.7	271.3	283.8	297.9	312.0	327.0	342.8	359.1	374.2
150°	255.2	259.5	267.6	276.2	286.8	300.4	313.4	327.0	341.3	356.2	369.8
152.5°	261.7	265.5	272.5	280.7	290.3	302.9	314.4	326.5	339.3	352.7	364.8
155°	270.1	273.8	280.0	286.1	294.9	305.4	315.3	325.2	335.7	346.9	357.4
157.5°	278.1	281.1	286.4	291.8	298.4	307.4	315.9	323.6	332.0	341.4	350.0
160°	283.0	285.6	289.9	294.9	300.4	308.5	315.9	322.1	329.5	337.0	345.0
162.5°	287.6	290.0	293.8	297.8	302.4	309.4	315.4	320.6	326.5	333.0	339.5
165°	293.6	295.5	298.6	301.0	304.8	309.7	314.7	318.4	322.1	327.0	332.0
167.5°	298.7	299.8	301.5	303.2	305.6	309.7	313.1	314.9	317.7	321.2	324.8
170°	301.7	302.3	303.5	304.8	306.6	309.7	312.2	313.4	315.3	317.7	320.8
172.5°	303.2	303.7	305.0	305.7	306.6	309.2	311.2	311.4	312.3	314.3	316.4
175°	305.4	306.0	306.6	306.6	306.6	308.5	309.7	309.1	309.1	309.7	311.6
177.5°	306.7	306.7	307.2	306.7	306.7	307.7	308.2	307.2	307.2	307.7	308.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1569.9	1569.9	1578.3	1577.9	1583.3	1581.4	1582.3
5°	1687.7	1698.2	1707.5	1713.6	1722.8	1725.4	1724.1
7.5°	1809.7	1833.0	1844.4	1860.0	1862.8	1871.0	1870.1
10°	1885.3	1908.1	1925.4	1939.0	1945.8	1954.5	1955.0
12.5°	1944.6	1964.0	1979.3	1991.9	2000.1	2002.9	2004.5
15°	1990.8	2012.5	2030.4	2048.3	2058.8	2066.8	2071.2
17.5°	2037.6	2070.9	2102.5	2126.9	2141.4	2153.8	2153.6
20°	2073.6	2111.9	2151.4	2179.2	2207.7	2219.9	2221.8
22.5°	2112.1	2170.7	2221.6	2264.7	2302.0	2314.8	2319.7
25°	2192.2	2268.7	2347.2	2407.7	2450.9	2476.2	2479.9
27.5°	2288.9	2392.5	2475.0	2530.9	2566.7	2585.5	2589.6
30°	2357.1	2452.8	2526.9	2568.9	2585.5	2588.0	2578.7
32.5°	2387.7	2459.2	2488.8	2486.3	2453.6	2431.9	2423.6
35°	2350.2	2335.4	2263.2	2176.8	2110.7	2068.7	2057.5
37.5°	2138.8	2011.0	1878.1	1747.5	1677.9	1642.6	1581.8
40°	1930.4	1748.2	1609.9	1499.9	1421.5	1358.5	1343.7
42.5°	1695.2	1507.1	1368.8	1274.7	1212.0	1168.9	1150.1
45°	1362.2	1200.5	1086.2	1014.0	965.8	934.3	920.1
47.5°	1089.6	964.3	881.1	827.6	790.9	763.5	755.8
50°	939.8	839.8	769.4	724.4	696.6	675.6	666.9
52.5°	816.3	735.6	681.5	644.3	618.0	604.9	597.8
55°	673.7	604.0	565.1	535.4	520.5	510.1	505.1
57.5°	551.0	500.6	472.1	451.6	437.9	431.3	428.8
60°	482.3	442.8	416.8	400.8	391.5	382.9	380.4
62.5°	421.5	390.4	370.4	356.3	347.1	343.3	341.8
65°	339.6	319.2	304.4	295.8	288.4	287.2	286.5
67.5°	270.0	258.0	250.3	241.2	238.6	234.2	233.5
70°	230.9	222.9	213.7	210.6	207.5	203.2	203.7
72.5°	195.9	187.8	181.6	177.4	176.3	174.5	176.1
75°	143.2	140.8	138.3	135.2	134.0	134.0	133.4
77.5°	102.3	100.1	97.4	95.6	95.2	92.6	93.6
80°	74.1	71.0	69.8	70.4	68.5	67.9	67.9
82.5°	54.8	53.7	52.5	52.6	52.2	51.7	52.1
85°	30.3	29.6	29.6	29.0	29.0	28.4	28.4
87.5°	13.2	13.9	13.1	12.6	12.6	13.2	13.7
90°	11.8	12.4	13.6	13.6	13.6	14.3	14.3
92.5°	79.7	60.0	50.8	42.9	41.4	40.5	39.5
95°	351.2	275.0	223.0	179.0	160.4	155.5	145.5
97.5°	597.2	523.0	450.7	412.4	377.7	359.7	351.8
100°	731.5	667.7	603.3	560.5	515.9	493.1	483.2
102.5°	813.8	783.2	739.6	693.9	662.1	637.2	629.8
105°	860.4	887.6	880.8	860.9	840.5	828.1	820.7
107.5°	818.9	888.8	921.1	931.2	931.1	927.0	922.0
110°	771.7	859.1	911.7	939.6	951.4	955.8	955.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	725.2	813.5	875.6	916.3	936.5	947.3	951.8
115°	658.5	743.3	810.8	859.1	888.8	906.2	914.3
117.5°	612.2	685.3	747.3	795.6	826.2	843.5	848.4
120°	586.0	654.1	708.6	754.4	784.2	800.9	805.8
122.5°	567.1	627.8	678.9	719.8	747.0	763.7	768.2
125°	542.0	595.9	640.5	675.2	700.5	714.2	720.3
127.5°	517.9	568.2	610.0	641.4	663.8	676.8	679.5
130°	501.1	549.4	589.7	620.7	641.1	653.5	657.2
132.5°	485.2	529.1	567.8	598.8	619.2	630.7	634.9
135°	460.8	500.5	535.8	563.0	583.4	594.6	598.3
137.5°	439.0	472.0	501.9	526.4	544.9	555.2	559.4
140°	426.1	454.6	480.6	503.6	519.7	528.9	532.0
142.5°	415.3	439.7	462.3	481.8	495.4	504.2	506.8
145°	401.4	420.6	437.3	452.2	462.7	469.5	472.0
147.5°	389.8	404.6	417.2	429.0	437.4	441.4	442.5
150°	383.4	395.1	406.3	415.7	423.0	425.6	426.1
152.5°	377.0	387.8	396.4	404.3	410.2	412.6	413.3
155°	367.3	376.0	382.8	389.0	393.3	395.1	395.8
157.5°	358.1	364.8	370.2	375.0	378.6	380.3	380.2
160°	351.2	357.4	361.7	366.1	369.2	370.4	369.8
162.5°	345.2	350.5	354.3	357.7	360.2	360.5	360.4
165°	336.4	340.1	343.2	345.6	346.9	346.9	346.9
167.5°	327.6	330.5	332.7	334.0	335.1	334.6	334.5
170°	322.7	324.6	325.8	327.0	327.6	327.6	327.0
172.5°	318.2	319.6	320.4	320.6	321.7	320.8	320.1
175°	311.6	312.8	312.8	312.8	313.4	312.2	311.6
177.5°	308.7	308.7	308.7	308.2	308.7	307.2	307.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2

(END OF REPORT)