

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: P333600-935

Luminaire Tested: **S125RDIP-S1090D1035U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333600-935  
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-S1090D1035U935-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

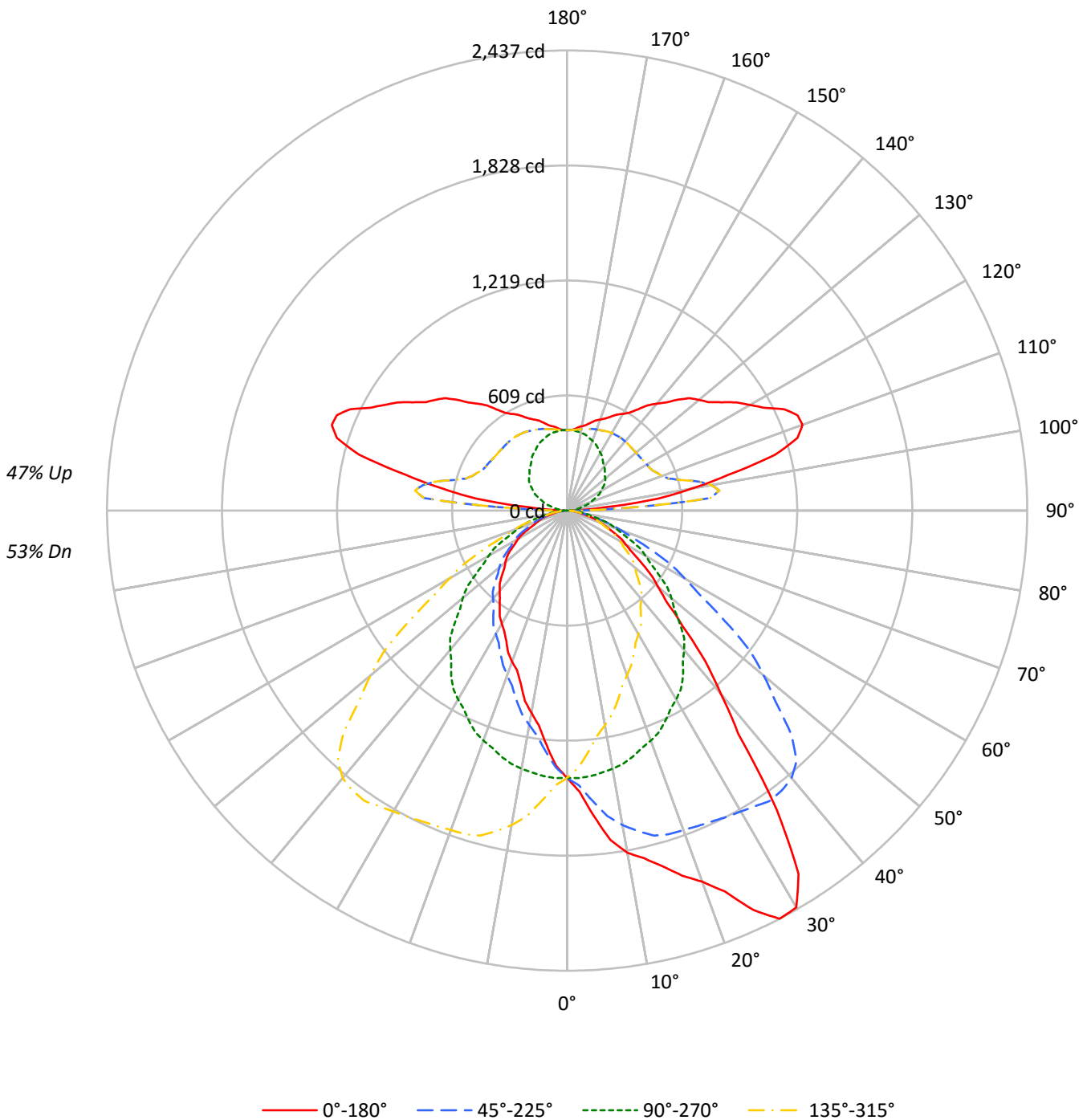
Lumens per Lamp: N/A  
Luminaire Lumens: 6867.0 lumens  
Efficiency: N/A  
Efficacy: 113.5 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 60.5  
Input Voltage (V): 120  
Input Current (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			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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53
1	99	95	91	88	92	88	85	82	75	73	71	64	62	61	53	52	51	46
2	91	83	77	72	84	78	72	68	67	63	59	57	54	51	47	45	44	39
3	83	74	66	61	77	69	62	57	59	54	50	50	47	44	42	40	38	34
4	76	65	58	52	70	61	54	49	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	65	55	47	42	47	42	38	41	36	33	34	31	29	25
6	64	52	44	39	60	49	42	37	43	37	33	37	32	29	31	28	25	22
7	60	47	40	34	55	44	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	35	30	51	40	34	29	35	30	26	31	26	23	26	23	20	18
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	22	19	17	15

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

	0°	90°	180°	270°
0°	9143	9143	9143	9143
5°	10519	9155	8085	9155
10°	12066	9108	7134	9108
15°	13032	9014	6341	9014
20°	14370	8906	5856	8906
25°	16631	8763	5433	8763
30°	18098	8611	5158	8611
35°	15266	8435	4902	8435
40°	10662	8118	4683	8118
45°	7909	7691	4469	7691
50°	6306	7246	4285	7246
55°	5353	6694	4122	6694
60°	4624	6200	3858	6200
65°	4121	5665	3321	5665
70°	3620	5189	3029	5189
75°	3132	4494	2842	4494
80°	2377	3782	2377	3782
85°	1979	2971	2238	2971



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CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.8	2.0
10°-20°	397.8	5.8
20°-30°	630.8	9.2
30°-40°	760.7	11.1
40°-50°	679.3	9.9
50°-60°	520.9	7.6
60°-70°	338.5	4.9
70°-80°	164.6	2.4
80°-90°	41.7	0.6
90°-100°	309.0	4.5
100°-110°	664.3	9.7
110°-120°	623.4	9.1
120°-130°	505.2	7.4
130°-140°	405.5	5.9
140°-150°	306.0	4.5
150°-160°	215.4	3.1
160°-170°	126.9	1.8
170°-180°	41.3	0.6
0°-30°	1164.4	17.0
0°-40°	1925.0	28.0
0°-60°	3125.2	45.5
0°-90°	3670.0	53.4
90°-120°	1596.7	23.3
90°-150°	2813.4	41.0
90°-180°	3197.0	46.6
0°-180°	6867.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1416	1416	1416	1416	1416	
5°	1622	1412	1247	1412	1622	162
15°	1949	1348	948	1348	1949	559
25°	2334	1230	762	1230	2334	1072
35°	1936	1070	622	1070	1936	1170
45°	866	842	489	842	866	691
55°	475	594	366	594	475	431
65°	270	371	217	371	270	268
75°	126	180	114	180	126	134
85°	27	40	30	40	27	31
90°	20	1	20	1	20	15
95°	202	28	202	28	202	286
105°	1139	97	1139	97	1139	1132
115°	1269	174	1269	174	1269	1240
125°	1000	241	1000	241	1000	904
135°	830	282	830	282	830	643
145°	655	328	655	328	655	416
155°	549	375	549	375	549	256
165°	481	409	481	409	481	138
175°	432	425	432	425	432	42
180°	426	426	426	426	426	



TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1489.1	1488.2	1490.0	1484.9	1485.4	1477.5	1477.5	1471.4	1463.5	1457.5	1454.7
5°	1622.5	1623.7	1621.3	1612.7	1606.8	1598.1	1588.2	1570.8	1556.3	1542.3	1531.3
7.5°	1759.9	1760.7	1753.0	1750.3	1735.7	1725.0	1703.1	1679.3	1658.3	1631.6	1611.1
10°	1839.9	1839.3	1831.1	1824.7	1812.0	1795.7	1774.2	1746.3	1720.1	1691.1	1663.2
12.5°	1886.4	1884.8	1882.2	1874.5	1862.6	1848.2	1830.0	1802.5	1770.3	1738.5	1706.0
15°	1949.1	1945.0	1937.5	1927.6	1910.7	1893.9	1873.5	1849.2	1818.3	1782.3	1752.1
17.5°	2026.7	2026.9	2015.3	2001.5	1978.6	1948.9	1917.4	1878.1	1836.3	1796.6	1764.4
20°	2090.9	2089.1	2077.5	2050.8	2024.6	1987.4	1951.5	1903.2	1852.0	1800.4	1760.2
22.5°	2183.0	2178.4	2166.3	2131.2	2090.7	2042.8	1987.7	1928.7	1866.9	1808.2	1755.6
25°	2333.8	2330.3	2306.4	2265.8	2208.9	2135.0	2063.0	1982.2	1893.3	1816.0	1752.1
27.5°	2437.0	2433.2	2415.5	2381.7	2329.2	2251.5	2154.0	2046.0	1935.0	1828.7	1736.6
30°	2426.8	2435.5	2433.2	2417.5	2378.0	2308.3	2218.2	2096.7	1964.8	1839.9	1730.0
32.5°	2280.8	2288.6	2309.0	2339.9	2342.2	2314.3	2247.0	2134.8	1998.3	1856.1	1724.9
35°	1936.3	1946.8	1986.3	2048.5	2129.9	2197.8	2211.7	2151.3	2028.7	1875.9	1717.3
37.5°	1488.6	1545.8	1579.1	1644.5	1767.5	1892.5	2012.8	2057.1	2004.8	1867.8	1704.8
40°	1264.6	1278.5	1337.7	1411.5	1515.0	1645.2	1816.6	1940.3	1944.5	1849.2	1685.2
42.5°	1082.3	1099.9	1140.7	1199.5	1288.1	1418.3	1595.3	1758.6	1834.3	1798.0	1659.7
45°	865.9	879.3	908.9	954.2	1022.2	1129.7	1281.9	1470.8	1620.7	1679.5	1591.1
47.5°	711.3	718.5	744.3	778.9	829.1	907.5	1025.4	1189.3	1369.2	1495.2	1482.8
50°	627.6	635.8	655.5	681.7	724.1	790.3	884.5	1021.1	1206.4	1360.4	1391.2
52.5°	562.5	569.3	581.6	606.3	641.4	692.2	768.3	891.8	1058.6	1222.4	1293.6
55°	475.4	480.0	489.9	503.9	531.8	568.3	634.0	719.5	854.3	1019.3	1123.9
57.5°	403.6	405.9	412.2	425.1	444.4	471.1	518.5	590.9	687.6	836.2	951.7
60°	358.0	360.3	368.4	377.1	392.3	416.6	453.8	504.4	597.4	720.1	836.8
62.5°	321.7	323.1	326.6	335.3	348.5	367.4	396.7	437.9	511.9	619.6	729.9
65°	269.7	270.2	271.4	278.4	286.5	300.4	319.6	348.7	404.5	485.9	583.4
67.5°	219.6	220.5	224.5	227.0	235.5	242.8	254.1	276.3	315.6	370.4	446.3
70°	191.7	191.2	195.3	198.2	201.0	209.8	217.3	235.4	259.8	301.6	365.0
72.5°	165.7	164.2	166.0	167.0	170.8	176.8	184.3	195.4	214.2	243.1	291.5
75°	125.5	126.1	126.1	127.3	130.2	132.5	134.8	140.6	151.1	170.3	196.4
77.5°	88.1	87.1	89.6	90.0	91.7	94.3	96.3	98.6	102.9	110.7	124.2
80°	63.9	63.9	64.5	66.2	65.7	66.8	69.7	72.1	77.3	82.0	86.6
82.5°	49.1	48.6	49.2	49.5	49.4	50.5	51.6	52.1	54.1	56.4	59.6
85°	26.7	26.7	27.3	27.3	27.9	27.9	28.5	28.5	28.5	29.0	29.6
87.5°	14.2	13.7	13.1	13.1	13.5	14.1	13.5	12.8	12.7	12.5	12.7
90°	19.8	19.8	18.9	18.9	18.9	17.2	16.4	15.5	14.6	13.8	12.1
92.5°	54.8	56.2	57.4	59.5	70.5	83.2	110.6	152.3	224.3	277.1	281.5
95°	202.0	215.8	222.7	248.4	309.4	381.6	487.3	618.0	745.2	761.6	621.5
97.5°	488.2	499.2	524.1	572.3	625.3	725.7	828.7	920.4	942.9	813.3	554.9
100°	670.5	684.2	716.0	777.8	837.2	926.5	1015.1	1057.2	991.0	776.1	495.1
102.5°	873.9	884.2	918.9	962.9	1026.2	1086.8	1129.2	1103.3	962.2	710.8	449.7
105°	1138.8	1149.2	1166.4	1194.7	1222.2	1231.7	1193.9	1076.1	869.9	623.1	405.7
107.5°	1279.4	1286.3	1292.0	1292.2	1278.2	1233.4	1136.3	979.1	775.6	562.8	387.1
110°	1326.2	1326.2	1320.2	1303.9	1265.2	1192.1	1070.9	907.7	721.9	534.6	381.6



TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1320.7	1314.6	1299.6	1271.5	1215.0	1128.9	1006.3	851.3	682.1	518.1	381.6
115°	1268.7	1257.5	1233.4	1192.1	1125.1	1031.4	913.7	780.4	638.6	500.2	384.2
117.5°	1177.3	1170.4	1146.6	1104.0	1036.9	951.0	849.5	734.7	612.7	491.5	389.9
120°	1118.3	1111.4	1088.1	1046.9	983.3	907.7	813.1	710.0	598.2	487.3	395.4
122.5°	1066.0	1059.8	1036.6	998.8	942.0	871.2	787.0	691.4	585.8	483.9	400.2
125°	999.6	991.0	972.1	936.9	888.7	826.8	752.1	664.4	569.0	479.6	408.3
127.5°	942.9	939.1	921.2	890.1	846.4	788.5	718.8	636.9	553.5	477.5	417.4
130°	912.0	906.8	889.6	861.3	818.3	762.4	695.3	619.7	543.2	476.1	422.9
132.5°	881.0	875.1	859.4	831.0	788.0	734.2	673.3	602.5	534.9	476.1	429.0
135°	830.3	825.1	809.7	781.3	743.5	694.5	639.5	580.1	525.1	476.1	437.5
137.5°	776.1	770.5	756.2	730.4	696.5	655.0	609.2	561.3	516.4	477.2	445.2
140°	738.3	734.0	721.2	698.8	667.0	630.9	591.3	551.0	512.3	477.9	448.7
142.5°	703.3	699.6	687.4	668.6	641.5	610.3	576.2	542.0	508.9	478.5	450.7
145°	655.0	651.5	642.0	627.4	606.8	583.6	557.0	530.3	503.7	477.9	453.0
147.5°	614.1	612.5	607.0	595.3	578.9	561.5	541.0	519.4	498.3	475.6	453.8
150°	591.3	590.5	587.0	576.7	563.9	548.4	532.0	513.2	494.2	473.6	453.8
152.5°	573.4	572.6	569.2	560.9	550.1	538.0	523.1	506.3	489.4	470.9	453.1
155°	549.2	548.4	545.8	539.8	531.2	521.8	509.7	495.9	481.3	465.9	451.3
157.5°	527.5	527.7	525.3	520.4	513.7	506.3	497.0	485.6	473.7	460.7	449.0
160°	513.2	514.0	512.3	508.0	502.0	495.9	487.3	478.7	467.6	457.3	446.9
162.5°	500.1	500.2	499.9	496.3	491.6	486.3	479.1	471.2	462.1	453.1	444.9
165°	481.3	481.3	481.3	479.6	476.1	471.9	466.7	460.7	453.8	446.9	441.8
167.5°	464.2	464.3	465.0	463.5	461.8	458.7	454.7	450.7	445.7	440.9	437.0
170°	453.8	454.7	454.7	453.8	452.1	450.4	447.8	445.2	440.9	437.5	434.9
172.5°	444.2	445.1	446.4	444.9	444.5	443.5	441.6	439.0	436.1	433.3	432.1
175°	432.3	433.2	434.9	434.0	434.0	434.0	432.3	432.3	429.7	428.9	428.9
177.5°	426.3	426.3	428.3	427.7	428.3	428.3	428.3	427.7	427.0	426.3	426.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1454.7	1451.4	1445.4	1439.8	1432.8	1426.8	1422.6	1417.5	1411.0	1403.1	1396.5
5°	1519.1	1506.2	1489.4	1474.9	1456.3	1441.7	1426.7	1412.1	1397.6	1379.0	1362.7
7.5°	1590.4	1564.0	1538.3	1506.1	1476.8	1450.6	1425.5	1400.1	1375.2	1348.8	1323.4
10°	1634.1	1602.1	1566.7	1526.0	1488.8	1453.4	1420.8	1388.9	1355.2	1325.5	1293.6
12.5°	1675.1	1633.7	1593.2	1541.9	1497.2	1453.9	1412.5	1372.6	1336.6	1298.1	1263.9
15°	1712.0	1671.3	1626.0	1563.2	1501.1	1448.7	1399.9	1348.2	1303.5	1260.4	1222.1
17.5°	1726.3	1683.6	1631.0	1570.6	1502.7	1436.9	1374.0	1317.3	1264.6	1214.5	1171.4
20°	1720.7	1679.5	1625.4	1567.9	1495.2	1426.7	1358.7	1295.9	1237.3	1184.3	1138.4
22.5°	1707.2	1664.6	1612.4	1551.6	1482.6	1409.9	1337.3	1270.3	1208.8	1154.1	1104.1
25°	1687.0	1628.9	1575.5	1516.1	1450.5	1378.5	1303.5	1229.7	1164.0	1108.2	1053.6
27.5°	1665.9	1593.5	1525.4	1466.5	1397.1	1332.8	1260.6	1184.9	1115.9	1059.0	1003.0
30°	1646.9	1565.6	1490.6	1423.7	1358.1	1297.1	1228.5	1154.7	1083.8	1025.1	968.2
32.5°	1623.2	1536.7	1454.3	1377.3	1313.9	1253.4	1191.3	1120.8	1051.7	991.2	933.3
35°	1593.5	1483.1	1393.5	1311.6	1241.3	1182.6	1126.8	1069.9	1000.7	938.0	881.6
37.5°	1554.4	1429.1	1325.5	1236.3	1162.1	1103.2	1059.1	1007.1	944.0	883.9	831.6
40°	1530.7	1390.1	1276.7	1188.4	1110.5	1048.4	1007.1	962.9	905.4	849.0	796.7
42.5°	1499.1	1354.3	1227.4	1135.4	1057.0	997.2	955.5	916.9	868.7	815.5	759.5
45°	1437.1	1284.9	1151.8	1053.0	974.0	915.2	876.3	842.1	805.5	756.6	707.8
47.5°	1356.4	1212.5	1073.2	965.4	887.9	833.4	795.7	768.6	742.4	700.9	653.5
50°	1291.8	1153.0	1016.9	912.4	829.8	778.1	742.7	721.2	697.3	659.6	620.1
52.5°	1215.6	1091.6	958.4	851.4	773.6	725.1	691.0	669.6	650.0	619.1	581.4
55°	1095.5	986.8	864.7	767.7	696.2	647.4	614.8	594.5	582.9	556.7	527.1
57.5°	956.7	878.9	771.3	677.7	614.5	566.3	542.4	525.1	512.0	493.5	472.6
60°	860.1	805.5	708.9	620.1	562.0	516.0	494.6	480.0	467.8	452.1	435.8
62.5°	762.0	722.2	638.3	562.0	508.5	470.0	449.9	436.8	422.8	412.2	396.3
65°	630.5	595.0	536.9	477.1	427.7	396.9	382.4	370.7	362.1	350.4	339.4
67.5°	490.5	476.0	435.9	394.7	359.2	331.8	319.3	311.2	300.7	293.7	286.1
70°	404.5	397.5	369.0	341.7	308.6	290.0	278.4	274.8	262.1	255.1	249.9
72.5°	328.2	324.9	308.6	289.6	266.3	250.0	239.3	235.4	227.2	221.6	218.3
75°	224.9	226.1	223.2	210.9	202.2	191.7	182.4	180.1	174.4	169.7	166.8
77.5°	142.2	148.2	148.4	147.8	144.4	137.9	134.1	132.4	126.7	124.9	124.2
80°	97.6	104.0	109.9	109.3	108.1	106.3	103.4	101.7	98.8	97.0	95.9
82.5°	65.1	71.0	75.9	79.0	78.8	77.1	75.1	74.3	73.7	72.4	72.2
85°	30.8	31.9	33.7	37.8	40.6	41.2	40.6	40.1	38.3	38.9	39.5
87.5°	12.9	12.6	12.9	12.6	11.7	13.7	14.7	15.1	14.3	13.7	13.1
90°	11.2	9.5	8.6	6.9	5.2	3.4	1.7	0.9	1.7	3.4	5.2
92.5°	196.1	117.4	70.5	45.4	30.6	20.0	12.7	10.5	12.7	20.0	30.6
95°	384.2	195.1	103.1	64.5	45.5	36.1	29.2	28.3	29.2	36.1	45.5
97.5°	306.7	168.2	107.3	79.4	62.4	53.0	48.1	47.1	48.1	53.0	62.4
100°	278.4	166.8	116.9	91.1	74.7	65.3	61.9	60.2	61.9	65.3	74.7
102.5°	266.8	173.0	128.5	103.5	88.5	78.4	75.6	74.6	75.6	78.4	88.5
105°	262.2	185.6	147.8	123.8	110.0	101.4	97.1	97.1	97.1	101.4	110.0
107.5°	270.1	204.6	168.0	146.3	132.0	124.9	120.9	119.2	120.9	124.9	132.0
110°	277.6	218.3	183.0	160.7	147.8	140.1	136.6	134.9	136.6	140.1	147.8





TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	287.2	231.4	197.5	175.8	163.0	155.2	152.5	150.8	152.5	155.2	163.0
115°	301.7	251.8	220.1	198.5	185.6	177.9	175.3	173.7	175.3	177.9	185.6
117.5°	318.2	272.9	242.7	222.0	207.3	199.6	196.8	194.2	196.8	199.6	207.3
120°	329.2	287.9	257.9	236.3	221.8	214.0	210.6	208.0	210.6	214.0	221.8
122.5°	341.6	302.4	272.3	250.8	234.8	227.0	224.3	222.5	224.3	227.0	234.8
125°	358.4	321.5	293.1	270.8	254.4	246.7	242.4	240.6	242.4	246.7	254.4
127.5°	373.8	339.8	312.5	290.2	272.9	263.0	257.5	254.9	257.5	263.0	272.9
130°	384.2	351.5	324.9	302.6	284.5	273.4	266.5	263.9	266.5	273.4	284.5
132.5°	393.1	362.6	335.9	313.6	294.8	282.2	274.0	270.8	274.0	282.2	294.8
135°	405.7	377.3	350.7	327.4	309.4	295.7	285.3	281.9	285.3	295.7	309.4
137.5°	415.0	387.8	363.6	339.7	322.0	308.2	298.6	296.0	298.6	308.2	322.0
140°	421.2	395.4	370.5	347.2	330.9	317.2	306.9	304.3	306.9	317.2	330.9
142.5°	424.6	400.2	376.6	354.8	339.1	325.4	315.8	313.9	315.8	325.4	339.1
145°	429.7	408.3	385.9	366.2	350.7	338.6	330.0	328.3	330.0	338.6	350.7
147.5°	432.8	413.5	393.8	376.4	363.1	351.9	344.5	343.5	344.5	351.9	363.1
150°	434.9	416.9	398.0	383.3	371.3	360.2	354.1	352.4	354.1	360.2	371.3
152.5°	436.3	420.3	402.8	389.5	378.2	368.4	363.1	362.1	363.1	368.4	378.2
155°	437.5	423.7	409.1	397.1	388.5	379.9	374.7	374.7	374.7	379.9	388.5
157.5°	438.3	426.6	414.1	405.0	397.4	390.0	385.9	386.1	385.9	390.0	397.4
160°	438.3	428.0	416.9	409.1	402.3	396.2	392.8	393.6	392.8	396.2	402.3
162.5°	437.6	429.4	419.7	413.3	407.8	402.4	399.0	399.8	399.0	402.4	407.8
165°	436.6	429.7	422.9	417.8	414.3	410.0	407.4	409.1	407.4	410.0	414.3
167.5°	434.5	429.7	424.0	420.9	418.4	416.0	414.5	415.3	414.5	416.0	418.4
170°	433.2	429.7	425.4	422.9	421.2	419.5	418.6	419.5	418.6	419.5	421.2
172.5°	431.8	429.0	425.4	424.2	423.2	421.5	420.7	422.2	420.7	421.5	423.2
175°	429.7	428.0	425.4	425.4	425.4	424.6	423.7	425.4	423.7	424.6	425.4
177.5°	427.7	427.0	425.6	425.6	426.3	425.6	425.6	427.0	425.6	425.6	426.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1391.9	1385.4	1380.8	1371.5	1364.9	1362.2	1357.0	1355.6	1360.7	1357.0	1356.6
5°	1350.6	1333.7	1320.3	1306.9	1292.4	1283.1	1269.2	1266.9	1263.3	1258.1	1257.0
7.5°	1300.9	1278.9	1261.7	1239.7	1220.5	1205.1	1187.6	1179.3	1174.8	1168.0	1159.0
10°	1267.4	1241.3	1218.1	1195.9	1172.2	1153.0	1135.5	1122.1	1113.4	1105.3	1101.8
12.5°	1234.4	1207.8	1178.0	1151.3	1124.7	1103.2	1083.9	1075.2	1065.6	1056.0	1047.9
15°	1183.2	1147.7	1115.2	1084.3	1061.7	1038.5	1019.9	1007.1	992.6	988.5	972.8
17.5°	1128.8	1094.0	1055.9	1023.5	997.2	971.6	951.1	936.7	925.7	910.8	903.5
20°	1094.8	1053.6	1016.4	986.8	957.7	927.5	906.5	894.3	883.9	871.7	865.9
22.5°	1058.6	1018.2	980.2	945.4	915.8	886.1	871.2	858.6	846.7	835.4	827.8
25°	1005.3	964.7	924.5	888.6	857.7	836.2	818.8	804.3	797.9	786.9	778.7
27.5°	952.7	909.5	867.9	831.9	807.8	786.5	772.2	760.7	749.2	739.5	732.5
30°	918.8	874.6	829.2	800.8	775.2	754.8	739.2	728.1	719.5	710.8	705.5
32.5°	884.8	839.3	799.0	768.3	744.1	726.5	710.3	699.8	690.6	681.0	674.8
35°	830.4	783.9	751.4	721.2	697.3	681.1	670.0	655.0	647.4	640.4	634.0
37.5°	779.9	736.7	701.5	674.9	654.2	638.1	623.8	615.6	606.3	600.0	594.7
40°	742.7	703.2	671.2	643.3	628.2	610.2	596.8	586.3	579.4	571.3	565.4
42.5°	709.2	672.4	641.4	616.3	597.5	582.3	569.4	559.0	550.1	544.3	539.4
45°	661.9	625.3	595.0	571.8	554.4	539.8	526.5	521.2	509.6	502.7	500.3
47.5°	612.9	580.2	551.0	529.6	511.8	498.0	485.4	474.8	468.4	461.5	457.8
50°	580.0	548.5	521.2	500.3	482.9	467.8	456.2	449.2	440.5	434.1	429.5
52.5°	547.0	517.9	490.6	470.6	455.5	440.4	427.4	420.4	412.2	408.0	404.8
55°	499.8	469.0	445.7	425.9	410.3	396.3	384.1	377.1	372.0	367.8	366.7
57.5°	446.3	421.9	400.3	382.5	366.2	353.1	342.4	335.8	331.1	330.5	327.1
60°	411.5	389.3	369.6	350.4	336.5	324.3	315.0	307.4	302.7	302.2	301.0
62.5°	376.6	355.4	337.1	320.2	307.6	295.9	287.1	278.6	275.8	272.9	270.4
65°	324.9	305.7	290.6	277.2	263.8	253.9	245.2	240.0	233.6	230.1	223.8
67.5°	274.1	259.2	244.7	233.4	222.9	213.5	206.3	198.5	194.2	191.4	186.8
70°	240.6	228.9	214.5	202.2	194.1	186.6	180.7	172.0	169.1	166.8	164.5
72.5°	209.0	198.7	186.6	176.7	168.5	161.4	154.7	150.6	147.7	145.4	144.0
75°	164.5	154.5	144.1	137.2	131.3	125.5	122.0	119.2	118.0	117.4	115.0
77.5°	120.8	115.5	107.2	101.6	97.7	95.4	92.3	90.7	90.7	88.1	87.3
80°	92.4	89.5	82.5	80.2	77.3	75.0	73.2	70.3	67.4	66.2	64.5
82.5°	68.7	65.8	63.0	59.2	56.8	55.4	53.7	52.6	53.0	51.4	50.5
85°	36.6	33.7	32.5	31.9	30.8	31.9	31.3	30.8	30.2	29.6	30.2
87.5°	13.0	13.3	13.1	14.3	13.1	13.9	14.1	13.8	13.9	14.1	14.0
90°	6.9	8.6	9.5	11.2	12.1	13.8	14.6	15.5	16.4	17.2	18.9
92.5°	45.4	70.5	117.4	196.1	281.5	277.1	224.3	152.3	110.6	83.2	70.5
95°	64.5	103.1	195.1	384.2	621.5	761.6	745.2	618.0	487.3	381.6	309.4
97.5°	79.4	107.3	168.2	306.7	554.9	813.3	942.9	920.4	828.7	725.7	625.3
100°	91.1	116.9	166.8	278.4	495.1	776.1	991.0	1057.2	1015.1	926.5	837.2
102.5°	103.5	128.5	173.0	266.8	449.7	710.8	962.2	1103.3	1129.2	1086.8	1026.2
105°	123.8	147.8	185.6	262.2	405.7	623.1	869.9	1076.1	1193.9	1231.7	1222.2
107.5°	146.3	168.0	204.6	270.1	387.1	562.8	775.6	979.1	1136.3	1233.4	1278.2
110°	160.7	183.0	218.3	277.6	381.6	534.6	721.9	907.7	1070.9	1192.1	1265.2



TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	175.8	197.5	231.4	287.2	381.6	518.1	682.1	851.3	1006.3	1128.9	1215.0
115°	198.5	220.1	251.8	301.7	384.2	500.2	638.6	780.4	913.7	1031.4	1125.1
117.5°	222.0	242.7	272.9	318.2	389.9	491.5	612.7	734.7	849.5	951.0	1036.9
120°	236.3	257.9	287.9	329.2	395.4	487.3	598.2	710.0	813.1	907.7	983.3
122.5°	250.8	272.3	302.4	341.6	400.2	483.9	585.8	691.4	787.0	871.2	942.0
125°	270.8	293.1	321.5	358.4	408.3	479.6	569.0	664.4	752.1	826.8	888.7
127.5°	290.2	312.5	339.8	373.8	417.4	477.5	553.5	636.9	718.8	788.5	846.4
130°	302.6	324.9	351.5	384.2	422.9	476.1	543.2	619.7	695.3	762.4	818.3
132.5°	313.6	335.9	362.6	393.1	429.0	476.1	534.9	602.5	673.3	734.2	788.0
135°	327.4	350.7	377.3	405.7	437.5	476.1	525.1	580.1	639.5	694.5	743.5
137.5°	339.7	363.6	387.8	415.0	445.2	477.2	516.4	561.3	609.2	655.0	696.5
140°	347.2	370.5	395.4	421.2	448.7	477.9	512.3	551.0	591.3	630.9	667.0
142.5°	354.8	376.6	400.2	424.6	450.7	478.5	508.9	542.0	576.2	610.3	641.5
145°	366.2	385.9	408.3	429.7	453.0	477.9	503.7	530.3	557.0	583.6	606.8
147.5°	376.4	393.8	413.5	432.8	453.8	475.6	498.3	519.4	541.0	561.5	578.9
150°	383.3	398.0	416.9	434.9	453.8	473.6	494.2	513.2	532.0	548.4	563.9
152.5°	389.5	402.8	420.3	436.3	453.1	470.9	489.4	506.3	523.1	538.0	550.1
155°	397.1	409.1	423.7	437.5	451.3	465.9	481.3	495.9	509.7	521.8	531.2
157.5°	405.0	414.1	426.6	438.3	449.0	460.7	473.7	485.6	497.0	506.3	513.7
160°	409.1	416.9	428.0	438.3	446.9	457.3	467.6	478.7	487.3	495.9	502.0
162.5°	413.3	419.7	429.4	437.6	444.9	453.1	462.1	471.2	479.1	486.3	491.6
165°	417.8	422.9	429.7	436.6	441.8	446.9	453.8	460.7	466.7	471.9	476.1
167.5°	420.9	424.0	429.7	434.5	437.0	440.9	445.7	450.7	454.7	458.7	461.8
170°	422.9	425.4	429.7	433.2	434.9	437.5	440.9	445.2	447.8	450.4	452.1
172.5°	424.2	425.4	429.0	431.8	432.1	433.3	436.1	439.0	441.6	443.5	444.5
175°	425.4	425.4	428.0	429.7	428.9	428.9	429.7	432.3	432.3	434.0	434.0
177.5°	425.6	425.6	427.0	427.7	426.3	426.3	427.0	427.7	428.3	428.3	428.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1356.1	1351.0	1349.6	1351.4	1349.6	1351.0	1356.1	1356.6	1357.0	1360.7	1355.6
5°	1251.2	1245.4	1248.3	1247.1	1248.3	1245.4	1251.2	1257.0	1258.1	1263.3	1266.9
7.5°	1158.9	1151.7	1144.0	1146.4	1144.0	1151.7	1158.9	1159.0	1168.0	1174.8	1179.3
10°	1094.2	1088.5	1084.9	1087.9	1084.9	1088.5	1094.2	1101.8	1105.3	1113.4	1122.1
12.5°	1039.8	1036.4	1033.4	1032.1	1033.4	1036.4	1039.8	1047.9	1056.0	1065.6	1075.2
15°	965.9	958.9	956.0	948.4	956.0	958.9	965.9	972.8	988.5	992.6	1007.1
17.5°	897.6	895.3	887.7	884.5	887.7	895.3	897.6	903.5	910.8	925.7	936.7
20°	857.1	854.8	847.3	852.0	847.3	854.8	857.1	865.9	871.7	883.9	894.3
22.5°	823.7	818.6	816.1	814.8	816.1	818.6	823.7	827.8	835.4	846.7	858.6
25°	776.4	768.8	765.9	762.4	765.9	768.8	776.4	778.7	786.9	797.9	804.3
27.5°	729.2	725.1	721.3	720.4	721.3	725.1	729.2	732.5	739.5	749.2	760.7
30°	698.5	694.5	691.6	691.6	691.6	694.5	698.5	705.5	710.8	719.5	728.1
32.5°	671.1	668.0	665.0	664.6	665.0	668.0	671.1	674.8	681.0	690.6	699.8
35°	631.1	626.5	625.3	621.8	625.3	626.5	631.1	634.0	640.4	647.4	655.0
37.5°	589.6	585.7	585.7	585.3	585.7	585.7	589.6	594.7	600.0	606.3	615.6
40°	563.1	560.2	559.6	555.5	559.6	560.2	563.1	565.4	571.3	579.4	586.3
42.5°	534.8	533.2	531.2	529.5	531.2	533.2	534.8	539.4	544.3	550.1	559.0
45°	496.3	492.2	492.2	489.3	492.2	492.2	496.3	500.3	502.7	509.6	521.2
47.5°	456.5	453.4	453.7	450.7	453.7	453.4	456.5	457.8	461.5	468.4	474.8
50°	430.1	428.3	427.7	426.5	427.7	428.3	430.1	429.5	434.1	440.5	449.2
52.5°	403.6	402.7	404.9	402.3	404.9	402.7	403.6	404.8	408.0	412.2	420.4
55°	367.8	366.1	369.6	366.1	369.6	366.1	367.8	366.7	367.8	372.0	377.1
57.5°	326.8	325.2	328.3	326.6	328.3	325.2	326.8	327.1	330.5	331.1	335.8
60°	299.9	296.4	298.1	298.7	298.1	296.4	299.9	301.0	302.2	302.7	307.4
62.5°	267.8	265.7	267.0	264.3	267.0	265.7	267.8	270.4	272.9	275.8	278.6
65°	222.6	220.8	218.5	217.3	218.5	220.8	222.6	223.8	230.1	233.6	240.0
67.5°	187.0	182.8	182.7	183.7	182.7	182.8	187.0	186.8	191.4	194.2	198.5
70°	161.0	161.0	160.4	160.4	160.4	161.0	161.0	164.5	166.8	169.1	172.0
72.5°	142.8	142.4	141.3	140.9	141.3	142.4	142.8	144.0	145.4	147.7	150.6
75°	115.0	115.6	114.5	113.9	114.5	115.6	115.0	115.0	117.4	118.0	119.2
77.5°	85.0	82.5	83.8	82.5	83.8	82.5	85.0	87.3	88.1	90.7	90.7
80°	64.5	63.9	65.7	63.9	65.7	63.9	64.5	64.5	66.2	67.4	70.3
82.5°	51.1	50.5	51.2	49.9	51.2	50.5	51.1	50.5	51.4	53.0	52.6
85°	30.8	30.2	29.6	30.2	29.6	30.2	30.8	30.2	29.6	30.2	30.8
87.5°	14.5	14.0	14.2	14.2	14.2	14.0	14.5	14.0	14.1	13.9	13.8
90°	18.9	18.9	19.8	19.8	19.8	18.9	18.9	18.9	17.2	16.4	15.5
92.5°	59.5	57.4	56.2	54.8	56.2	57.4	59.5	70.5	83.2	110.6	152.3
95°	248.4	222.7	215.8	202.0	215.8	222.7	248.4	309.4	381.6	487.3	618.0
97.5°	572.3	524.1	499.2	488.2	499.2	524.1	572.3	625.3	725.7	828.7	920.4
100°	777.8	716.0	684.2	670.5	684.2	716.0	777.8	837.2	926.5	1015.1	1057.2
102.5°	962.9	918.9	884.2	873.9	884.2	918.9	962.9	1026.2	1086.8	1129.2	1103.3
105°	1194.7	1166.4	1149.2	1138.8	1149.2	1166.4	1194.7	1222.2	1231.7	1193.9	1076.1
107.5°	1292.2	1292.0	1286.3	1279.4	1286.3	1292.0	1292.2	1278.2	1233.4	1136.3	979.1
110°	1303.9	1320.2	1326.2	1326.2	1326.2	1320.2	1303.9	1265.2	1192.1	1070.9	907.7



TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1271.5	1299.6	1314.6	1320.7	1314.6	1299.6	1271.5	1215.0	1128.9	1006.3	851.3
115°	1192.1	1233.4	1257.5	1268.7	1257.5	1233.4	1192.1	1125.1	1031.4	913.7	780.4
117.5°	1104.0	1146.6	1170.4	1177.3	1170.4	1146.6	1104.0	1036.9	951.0	849.5	734.7
120°	1046.9	1088.1	1111.4	1118.3	1111.4	1088.1	1046.9	983.3	907.7	813.1	710.0
122.5°	998.8	1036.6	1059.8	1066.0	1059.8	1036.6	998.8	942.0	871.2	787.0	691.4
125°	936.9	972.1	991.0	999.6	991.0	972.1	936.9	888.7	826.8	752.1	664.4
127.5°	890.1	921.2	939.1	942.9	939.1	921.2	890.1	846.4	788.5	718.8	636.9
130°	861.3	889.6	906.8	912.0	906.8	889.6	861.3	818.3	762.4	695.3	619.7
132.5°	831.0	859.4	875.1	881.0	875.1	859.4	831.0	788.0	734.2	673.3	602.5
135°	781.3	809.7	825.1	830.3	825.1	809.7	781.3	743.5	694.5	639.5	580.1
137.5°	730.4	756.2	770.5	776.1	770.5	756.2	730.4	696.5	655.0	609.2	561.3
140°	698.8	721.2	734.0	738.3	734.0	721.2	698.8	667.0	630.9	591.3	551.0
142.5°	668.6	687.4	699.6	703.3	699.6	687.4	668.6	641.5	610.3	576.2	542.0
145°	627.4	642.0	651.5	655.0	651.5	642.0	627.4	606.8	583.6	557.0	530.3
147.5°	595.3	607.0	612.5	614.1	612.5	607.0	595.3	578.9	561.5	541.0	519.4
150°	576.7	587.0	590.5	591.3	590.5	587.0	576.7	563.9	548.4	532.0	513.2
152.5°	560.9	569.2	572.6	573.4	572.6	569.2	560.9	550.1	538.0	523.1	506.3
155°	539.8	545.8	548.4	549.2	548.4	545.8	539.8	531.2	521.8	509.7	495.9
157.5°	520.4	525.3	527.7	527.5	527.7	525.3	520.4	513.7	506.3	497.0	485.6
160°	508.0	512.3	514.0	513.2	514.0	512.3	508.0	502.0	495.9	487.3	478.7
162.5°	496.3	499.9	500.2	500.1	500.2	499.9	496.3	491.6	486.3	479.1	471.2
165°	479.6	481.3	481.3	481.3	481.3	481.3	479.6	476.1	471.9	466.7	460.7
167.5°	463.5	465.0	464.3	464.2	464.3	465.0	463.5	461.8	458.7	454.7	450.7
170°	453.8	454.7	454.7	453.8	454.7	454.7	453.8	452.1	450.4	447.8	445.2
172.5°	444.9	446.4	445.1	444.2	445.1	446.4	444.9	444.5	443.5	441.6	439.0
175°	434.0	434.9	433.2	432.3	433.2	434.9	434.0	434.0	434.0	432.3	432.3
177.5°	427.7	428.3	426.3	426.3	426.3	428.3	427.7	428.3	428.3	428.3	427.7
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1357.0	1362.2	1364.9	1371.5	1380.8	1385.4	1391.9	1396.5	1403.1	1411.0	1417.5
5°	1269.2	1283.1	1292.4	1306.9	1320.3	1333.7	1350.6	1362.7	1379.0	1397.6	1412.1
7.5°	1187.6	1205.1	1220.5	1239.7	1261.7	1278.9	1300.9	1323.4	1348.8	1375.2	1400.1
10°	1135.5	1153.0	1172.2	1195.9	1218.1	1241.3	1267.4	1293.6	1325.5	1355.2	1388.9
12.5°	1083.9	1103.2	1124.7	1151.3	1178.0	1207.8	1234.4	1263.9	1298.1	1336.6	1372.6
15°	1019.9	1038.5	1061.7	1084.3	1115.2	1147.7	1183.2	1222.1	1260.4	1303.5	1348.2
17.5°	951.1	971.6	997.2	1023.5	1055.9	1094.0	1128.8	1171.4	1214.5	1264.6	1317.3
20°	906.5	927.5	957.7	986.8	1016.4	1053.6	1094.8	1138.4	1184.3	1237.3	1295.9
22.5°	871.2	886.1	915.8	945.4	980.2	1018.2	1058.6	1104.1	1154.1	1208.8	1270.3
25°	818.8	836.2	857.7	888.6	924.5	964.7	1005.3	1053.6	1108.2	1164.0	1229.7
27.5°	772.2	786.5	807.8	831.9	867.9	909.5	952.7	1003.0	1059.0	1115.9	1184.9
30°	739.2	754.8	775.2	800.8	829.2	874.6	918.8	968.2	1025.1	1083.8	1154.7
32.5°	710.3	726.5	744.1	768.3	799.0	839.3	884.8	933.3	991.2	1051.7	1120.8
35°	670.0	681.1	697.3	721.2	751.4	783.9	830.4	881.6	938.0	1000.7	1069.9
37.5°	623.8	638.1	654.2	674.9	701.5	736.7	779.9	831.6	883.9	944.0	1007.1
40°	596.8	610.2	628.2	643.3	671.2	703.2	742.7	796.7	849.0	905.4	962.9
42.5°	569.4	582.3	597.5	616.3	641.4	672.4	709.2	759.5	815.5	868.7	916.9
45°	526.5	539.8	554.4	571.8	595.0	625.3	661.9	707.8	756.6	805.5	842.1
47.5°	485.4	498.0	511.8	529.6	551.0	580.2	612.9	653.5	700.9	742.4	768.6
50°	456.2	467.8	482.9	500.3	521.2	548.5	580.0	620.1	659.6	697.3	721.2
52.5°	427.4	440.4	455.5	470.6	490.6	517.9	547.0	581.4	619.1	650.0	669.6
55°	384.1	396.3	410.3	425.9	445.7	469.0	499.8	527.1	556.7	582.9	594.5
57.5°	342.4	353.1	366.2	382.5	400.3	421.9	446.3	472.6	493.5	512.0	525.1
60°	315.0	324.3	336.5	350.4	369.6	389.3	411.5	435.8	452.1	467.8	480.0
62.5°	287.1	295.9	307.6	320.2	337.1	355.4	376.6	396.3	412.2	422.8	436.8
65°	245.2	253.9	263.8	277.2	290.6	305.7	324.9	339.4	350.4	362.1	370.7
67.5°	206.3	213.5	222.9	233.4	244.7	259.2	274.1	286.1	293.7	300.7	311.2
70°	180.7	186.6	194.1	202.2	214.5	228.9	240.6	249.9	255.1	262.1	274.8
72.5°	154.7	161.4	168.5	176.7	186.6	198.7	209.0	218.3	221.6	227.2	235.4
75°	122.0	125.5	131.3	137.2	144.1	154.5	164.5	166.8	169.7	174.4	180.1
77.5°	92.3	95.4	97.7	101.6	107.2	115.5	120.8	124.2	124.9	126.7	132.4
80°	73.2	75.0	77.3	80.2	82.5	89.5	92.4	95.9	97.0	98.8	101.7
82.5°	53.7	55.4	56.8	59.2	63.0	65.8	68.7	72.2	72.4	73.7	74.3
85°	31.3	31.9	30.8	31.9	32.5	33.7	36.6	39.5	38.9	38.3	40.1
87.5°	14.1	13.9	13.1	14.3	13.1	13.3	13.0	13.1	13.7	14.3	15.1
90°	14.6	13.8	12.1	11.2	9.5	8.6	6.9	5.2	3.4	1.7	0.9
92.5°	224.3	277.1	281.5	196.1	117.4	70.5	45.4	30.6	20.0	12.7	10.5
95°	745.2	761.6	621.5	384.2	195.1	103.1	64.5	45.5	36.1	29.2	28.3
97.5°	942.9	813.3	554.9	306.7	168.2	107.3	79.4	62.4	53.0	48.1	47.1
100°	991.0	776.1	495.1	278.4	166.8	116.9	91.1	74.7	65.3	61.9	60.2
102.5°	962.2	710.8	449.7	266.8	173.0	128.5	103.5	88.5	78.4	75.6	74.6
105°	869.9	623.1	405.7	262.2	185.6	147.8	123.8	110.0	101.4	97.1	97.1
107.5°	775.6	562.8	387.1	270.1	204.6	168.0	146.3	132.0	124.9	120.9	119.2
110°	721.9	534.6	381.6	277.6	218.3	183.0	160.7	147.8	140.1	136.6	134.9



TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	682.1	518.1	381.6	287.2	231.4	197.5	175.8	163.0	155.2	152.5	150.8
115°	638.6	500.2	384.2	301.7	251.8	220.1	198.5	185.6	177.9	175.3	173.7
117.5°	612.7	491.5	389.9	318.2	272.9	242.7	222.0	207.3	199.6	196.8	194.2
120°	598.2	487.3	395.4	329.2	287.9	257.9	236.3	221.8	214.0	210.6	208.0
122.5°	585.8	483.9	400.2	341.6	302.4	272.3	250.8	234.8	227.0	224.3	222.5
125°	569.0	479.6	408.3	358.4	321.5	293.1	270.8	254.4	246.7	242.4	240.6
127.5°	553.5	477.5	417.4	373.8	339.8	312.5	290.2	272.9	263.0	257.5	254.9
130°	543.2	476.1	422.9	384.2	351.5	324.9	302.6	284.5	273.4	266.5	263.9
132.5°	534.9	476.1	429.0	393.1	362.6	335.9	313.6	294.8	282.2	274.0	270.8
135°	525.1	476.1	437.5	405.7	377.3	350.7	327.4	309.4	295.7	285.3	281.9
137.5°	516.4	477.2	445.2	415.0	387.8	363.6	339.7	322.0	308.2	298.6	296.0
140°	512.3	477.9	448.7	421.2	395.4	370.5	347.2	330.9	317.2	306.9	304.3
142.5°	508.9	478.5	450.7	424.6	400.2	376.6	354.8	339.1	325.4	315.8	313.9
145°	503.7	477.9	453.0	429.7	408.3	385.9	366.2	350.7	338.6	330.0	328.3
147.5°	498.3	475.6	453.8	432.8	413.5	393.8	376.4	363.1	351.9	344.5	343.5
150°	494.2	473.6	453.8	434.9	416.9	398.0	383.3	371.3	360.2	354.1	352.4
152.5°	489.4	470.9	453.1	436.3	420.3	402.8	389.5	378.2	368.4	363.1	362.1
155°	481.3	465.9	451.3	437.5	423.7	409.1	397.1	388.5	379.9	374.7	374.7
157.5°	473.7	460.7	449.0	438.3	426.6	414.1	405.0	397.4	390.0	385.9	386.1
160°	467.6	457.3	446.9	438.3	428.0	416.9	409.1	402.3	396.2	392.8	393.6
162.5°	462.1	453.1	444.9	437.6	429.4	419.7	413.3	407.8	402.4	399.0	399.8
165°	453.8	446.9	441.8	436.6	429.7	422.9	417.8	414.3	410.0	407.4	409.1
167.5°	445.7	440.9	437.0	434.5	429.7	424.0	420.9	418.4	416.0	414.5	415.3
170°	440.9	437.5	434.9	433.2	429.7	425.4	422.9	421.2	419.5	418.6	419.5
172.5°	436.1	433.3	432.1	431.8	429.0	425.4	424.2	423.2	421.5	420.7	422.2
175°	429.7	428.9	428.9	429.7	428.0	425.4	425.4	425.4	424.6	423.7	425.4
177.5°	427.0	426.3	426.3	427.7	427.0	425.6	425.6	426.3	425.6	425.6	427.0
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1422.6	1426.8	1432.8	1439.8	1445.4	1451.4	1454.7	1454.7	1457.5	1463.5	1471.4
5°	1426.7	1441.7	1456.3	1474.9	1489.4	1506.2	1519.1	1531.3	1542.3	1556.3	1570.8
7.5°	1425.5	1450.6	1476.8	1506.1	1538.3	1564.0	1590.4	1611.1	1631.6	1658.3	1679.3
10°	1420.8	1453.4	1488.8	1526.0	1566.7	1602.1	1634.1	1663.2	1691.1	1720.1	1746.3
12.5°	1412.5	1453.9	1497.2	1541.9	1593.2	1633.7	1675.1	1706.0	1738.5	1770.3	1802.5
15°	1399.9	1448.7	1501.1	1563.2	1626.0	1671.3	1712.0	1752.1	1782.3	1818.3	1849.2
17.5°	1374.0	1436.9	1502.7	1570.6	1631.0	1683.6	1726.3	1764.4	1796.6	1836.3	1878.1
20°	1358.7	1426.7	1495.2	1567.9	1625.4	1679.5	1720.7	1760.2	1800.4	1852.0	1903.2
22.5°	1337.3	1409.9	1482.6	1551.6	1612.4	1664.6	1707.2	1755.6	1808.2	1866.9	1928.7
25°	1303.5	1378.5	1450.5	1516.1	1575.5	1628.9	1687.0	1752.1	1816.0	1893.3	1982.2
27.5°	1260.6	1332.8	1397.1	1466.5	1525.4	1593.5	1665.9	1736.6	1828.7	1935.0	2046.0
30°	1228.5	1297.1	1358.1	1423.7	1490.6	1565.6	1646.9	1730.0	1839.9	1964.8	2096.7
32.5°	1191.3	1253.4	1313.9	1377.3	1454.3	1536.7	1623.2	1724.9	1856.1	1998.3	2134.8
35°	1126.8	1182.6	1241.3	1311.6	1393.5	1483.1	1593.5	1717.3	1875.9	2028.7	2151.3
37.5°	1059.1	1103.2	1162.1	1236.3	1325.5	1429.1	1554.4	1704.8	1867.8	2004.8	2057.1
40°	1007.1	1048.4	1110.5	1188.4	1276.7	1390.1	1530.7	1685.2	1849.2	1944.5	1940.3
42.5°	955.5	997.2	1057.0	1135.4	1227.4	1354.3	1499.1	1659.7	1798.0	1834.3	1758.6
45°	876.3	915.2	974.0	1053.0	1151.8	1284.9	1437.1	1591.1	1679.5	1620.7	1470.8
47.5°	795.7	833.4	887.9	965.4	1073.2	1212.5	1356.4	1482.8	1495.2	1369.2	1189.3
50°	742.7	778.1	829.8	912.4	1016.9	1153.0	1291.8	1391.2	1360.4	1206.4	1021.1
52.5°	691.0	725.1	773.6	851.4	958.4	1091.6	1215.6	1293.6	1222.4	1058.6	891.8
55°	614.8	647.4	696.2	767.7	864.7	986.8	1095.5	1123.9	1019.3	854.3	719.5
57.5°	542.4	566.3	614.5	677.7	771.3	878.9	956.7	951.7	836.2	687.6	590.9
60°	494.6	516.0	562.0	620.1	708.9	805.5	860.1	836.8	720.1	597.4	504.4
62.5°	449.9	470.0	508.5	562.0	638.3	722.2	762.0	729.9	619.6	511.9	437.9
65°	382.4	396.9	427.7	477.1	536.9	595.0	630.5	583.4	485.9	404.5	348.7
67.5°	319.3	331.8	359.2	394.7	435.9	476.0	490.5	446.3	370.4	315.6	276.3
70°	278.4	290.0	308.6	341.7	369.0	397.5	404.5	365.0	301.6	259.8	235.4
72.5°	239.3	250.0	266.3	289.6	308.6	324.9	328.2	291.5	243.1	214.2	195.4
75°	182.4	191.7	202.2	210.9	223.2	226.1	224.9	196.4	170.3	151.1	140.6
77.5°	134.1	137.9	144.4	147.8	148.4	148.2	142.2	124.2	110.7	102.9	98.6
80°	103.4	106.3	108.1	109.3	109.9	104.0	97.6	86.6	82.0	77.3	72.1
82.5°	75.1	77.1	78.8	79.0	75.9	71.0	65.1	59.6	56.4	54.1	52.1
85°	40.6	41.2	40.6	37.8	33.7	31.9	30.8	29.6	29.0	28.5	28.5
87.5°	14.7	13.7	11.7	12.6	12.9	12.6	12.9	12.7	12.5	12.7	12.8
90°	1.7	3.4	5.2	6.9	8.6	9.5	11.2	12.1	13.8	14.6	15.5
92.5°	12.7	20.0	30.6	45.4	70.5	117.4	196.1	281.5	277.1	224.3	152.3
95°	29.2	36.1	45.5	64.5	103.1	195.1	384.2	621.5	761.6	745.2	618.0
97.5°	48.1	53.0	62.4	79.4	107.3	168.2	306.7	554.9	813.3	942.9	920.4
100°	61.9	65.3	74.7	91.1	116.9	166.8	278.4	495.1	776.1	991.0	1057.2
102.5°	75.6	78.4	88.5	103.5	128.5	173.0	266.8	449.7	710.8	962.2	1103.3
105°	97.1	101.4	110.0	123.8	147.8	185.6	262.2	405.7	623.1	869.9	1076.1
107.5°	120.9	124.9	132.0	146.3	168.0	204.6	270.1	387.1	562.8	775.6	979.1
110°	136.6	140.1	147.8	160.7	183.0	218.3	277.6	381.6	534.6	721.9	907.7





TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	152.5	155.2	163.0	175.8	197.5	231.4	287.2	381.6	518.1	682.1	851.3
115°	175.3	177.9	185.6	198.5	220.1	251.8	301.7	384.2	500.2	638.6	780.4
117.5°	196.8	199.6	207.3	222.0	242.7	272.9	318.2	389.9	491.5	612.7	734.7
120°	210.6	214.0	221.8	236.3	257.9	287.9	329.2	395.4	487.3	598.2	710.0
122.5°	224.3	227.0	234.8	250.8	272.3	302.4	341.6	400.2	483.9	585.8	691.4
125°	242.4	246.7	254.4	270.8	293.1	321.5	358.4	408.3	479.6	569.0	664.4
127.5°	257.5	263.0	272.9	290.2	312.5	339.8	373.8	417.4	477.5	553.5	636.9
130°	266.5	273.4	284.5	302.6	324.9	351.5	384.2	422.9	476.1	543.2	619.7
132.5°	274.0	282.2	294.8	313.6	335.9	362.6	393.1	429.0	476.1	534.9	602.5
135°	285.3	295.7	309.4	327.4	350.7	377.3	405.7	437.5	476.1	525.1	580.1
137.5°	298.6	308.2	322.0	339.7	363.6	387.8	415.0	445.2	477.2	516.4	561.3
140°	306.9	317.2	330.9	347.2	370.5	395.4	421.2	448.7	477.9	512.3	551.0
142.5°	315.8	325.4	339.1	354.8	376.6	400.2	424.6	450.7	478.5	508.9	542.0
145°	330.0	338.6	350.7	366.2	385.9	408.3	429.7	453.0	477.9	503.7	530.3
147.5°	344.5	351.9	363.1	376.4	393.8	413.5	432.8	453.8	475.6	498.3	519.4
150°	354.1	360.2	371.3	383.3	398.0	416.9	434.9	453.8	473.6	494.2	513.2
152.5°	363.1	368.4	378.2	389.5	402.8	420.3	436.3	453.1	470.9	489.4	506.3
155°	374.7	379.9	388.5	397.1	409.1	423.7	437.5	451.3	465.9	481.3	495.9
157.5°	385.9	390.0	397.4	405.0	414.1	426.6	438.3	449.0	460.7	473.7	485.6
160°	392.8	396.2	402.3	409.1	416.9	428.0	438.3	446.9	457.3	467.6	478.7
162.5°	399.0	402.4	407.8	413.3	419.7	429.4	437.6	444.9	453.1	462.1	471.2
165°	407.4	410.0	414.3	417.8	422.9	429.7	436.6	441.8	446.9	453.8	460.7
167.5°	414.5	416.0	418.4	420.9	424.0	429.7	434.5	437.0	440.9	445.7	450.7
170°	418.6	419.5	421.2	422.9	425.4	429.7	433.2	434.9	437.5	440.9	445.2
172.5°	420.7	421.5	423.2	424.2	425.4	429.0	431.8	432.1	433.3	436.1	439.0
175°	423.7	424.6	425.4	425.4	425.4	428.0	429.7	428.9	428.9	429.7	432.3
177.5°	425.6	425.6	426.3	425.6	425.6	427.0	427.7	426.3	426.3	427.0	427.7
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1477.5	1477.5	1485.4	1484.9	1490.0	1488.2	1489.1
5°	1588.2	1598.1	1606.8	1612.7	1621.3	1623.7	1622.5
7.5°	1703.1	1725.0	1735.7	1750.3	1753.0	1760.7	1759.9
10°	1774.2	1795.7	1812.0	1824.7	1831.1	1839.3	1839.9
12.5°	1830.0	1848.2	1862.6	1874.5	1882.2	1884.8	1886.4
15°	1873.5	1893.9	1910.7	1927.6	1937.5	1945.0	1949.1
17.5°	1917.4	1948.9	1978.6	2001.5	2015.3	2026.9	2026.7
20°	1951.5	1987.4	2024.6	2050.8	2077.5	2089.1	2090.9
22.5°	1987.7	2042.8	2090.7	2131.2	2166.3	2178.4	2183.0
25°	2063.0	2135.0	2208.9	2265.8	2306.4	2330.3	2333.8
27.5°	2154.0	2251.5	2329.2	2381.7	2415.5	2433.2	2437.0
30°	2218.2	2308.3	2378.0	2417.5	2433.2	2435.5	2426.8
32.5°	2247.0	2314.3	2342.2	2339.9	2309.0	2288.6	2280.8
35°	2211.7	2197.8	2129.9	2048.5	1986.3	1946.8	1936.3
37.5°	2012.8	1892.5	1767.5	1644.5	1579.1	1545.8	1488.6
40°	1816.6	1645.2	1515.0	1411.5	1337.7	1278.5	1264.6
42.5°	1595.3	1418.3	1288.1	1199.5	1140.7	1099.9	1082.3
45°	1281.9	1129.7	1022.2	954.2	908.9	879.3	865.9
47.5°	1025.4	907.5	829.1	778.9	744.3	718.5	711.3
50°	884.5	790.3	724.1	681.7	655.5	635.8	627.6
52.5°	768.3	692.2	641.4	606.3	581.6	569.3	562.5
55°	634.0	568.3	531.8	503.9	489.9	480.0	475.4
57.5°	518.5	471.1	444.4	425.1	412.2	405.9	403.6
60°	453.8	416.6	392.3	377.1	368.4	360.3	358.0
62.5°	396.7	367.4	348.5	335.3	326.6	323.1	321.7
65°	319.6	300.4	286.5	278.4	271.4	270.2	269.7
67.5°	254.1	242.8	235.5	227.0	224.5	220.5	219.6
70°	217.3	209.8	201.0	198.2	195.3	191.2	191.7
72.5°	184.3	176.8	170.8	167.0	166.0	164.2	165.7
75°	134.8	132.5	130.2	127.3	126.1	126.1	125.5
77.5°	96.3	94.3	91.7	90.0	89.6	87.1	88.1
80°	69.7	66.8	65.7	66.2	64.5	63.9	63.9
82.5°	51.6	50.5	49.4	49.5	49.2	48.6	49.1
85°	28.5	27.9	27.9	27.3	27.3	26.7	26.7
87.5°	13.5	14.1	13.5	13.1	13.1	13.7	14.2
90°	16.4	17.2	18.9	18.9	18.9	19.8	19.8
92.5°	110.6	83.2	70.5	59.5	57.4	56.2	54.8
95°	487.3	381.6	309.4	248.4	222.7	215.8	202.0
97.5°	828.7	725.7	625.3	572.3	524.1	499.2	488.2
100°	1015.1	926.5	837.2	777.8	716.0	684.2	670.5
102.5°	1129.2	1086.8	1026.2	962.9	918.9	884.2	873.9
105°	1193.9	1231.7	1222.2	1194.7	1166.4	1149.2	1138.8
107.5°	1136.3	1233.4	1278.2	1292.2	1292.0	1286.3	1279.4
110°	1070.9	1192.1	1265.2	1303.9	1320.2	1326.2	1326.2



TEST NUMBER: P333600-935

CATALOG NUMBER: S125RDIP-S1090D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1006.3	1128.9	1215.0	1271.5	1299.6	1314.6	1320.7
115°	913.7	1031.4	1125.1	1192.1	1233.4	1257.5	1268.7
117.5°	849.5	951.0	1036.9	1104.0	1146.6	1170.4	1177.3
120°	813.1	907.7	983.3	1046.9	1088.1	1111.4	1118.3
122.5°	787.0	871.2	942.0	998.8	1036.6	1059.8	1066.0
125°	752.1	826.8	888.7	936.9	972.1	991.0	999.6
127.5°	718.8	788.5	846.4	890.1	921.2	939.1	942.9
130°	695.3	762.4	818.3	861.3	889.6	906.8	912.0
132.5°	673.3	734.2	788.0	831.0	859.4	875.1	881.0
135°	639.5	694.5	743.5	781.3	809.7	825.1	830.3
137.5°	609.2	655.0	696.5	730.4	756.2	770.5	776.1
140°	591.3	630.9	667.0	698.8	721.2	734.0	738.3
142.5°	576.2	610.3	641.5	668.6	687.4	699.6	703.3
145°	557.0	583.6	606.8	627.4	642.0	651.5	655.0
147.5°	541.0	561.5	578.9	595.3	607.0	612.5	614.1
150°	532.0	548.4	563.9	576.7	587.0	590.5	591.3
152.5°	523.1	538.0	550.1	560.9	569.2	572.6	573.4
155°	509.7	521.8	531.2	539.8	545.8	548.4	549.2
157.5°	497.0	506.3	513.7	520.4	525.3	527.7	527.5
160°	487.3	495.9	502.0	508.0	512.3	514.0	513.2
162.5°	479.1	486.3	491.6	496.3	499.9	500.2	500.1
165°	466.7	471.9	476.1	479.6	481.3	481.3	481.3
167.5°	454.7	458.7	461.8	463.5	465.0	464.3	464.2
170°	447.8	450.4	452.1	453.8	454.7	454.7	453.8
172.5°	441.6	443.5	444.5	444.9	446.4	445.1	444.2
175°	432.3	434.0	434.0	434.0	434.9	433.2	432.3
177.5°	428.3	428.3	428.3	427.7	428.3	426.3	426.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3

(END OF REPORT)