

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: P333600-840

Luminaire Tested: **S125RDIP-S1090D1035U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333600-840
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-S1090D1035U840-4F0-1E-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: 8054.3 lumens
Efficiency: N/A
Efficacy: 133.1 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

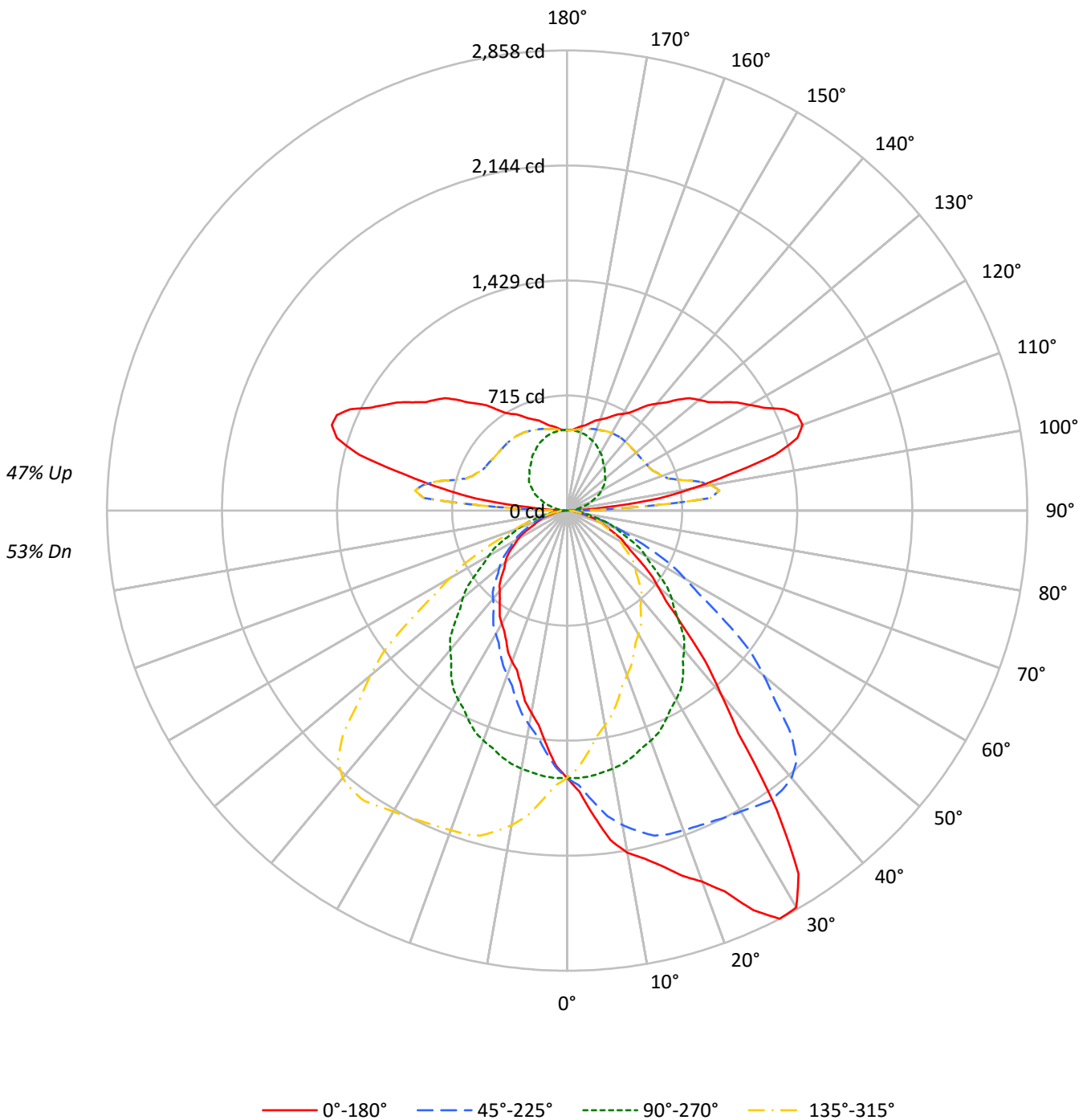
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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°	10723	10723	10723	10723
5°	12337	10738	9483	10738
10°	14152	10683	8368	10683
15°	15285	10573	7438	10573
20°	16855	10446	6868	10446
25°	19506	10278	6372	10278
30°	21227	10100	6049	10100
35°	17906	9894	5750	9894
40°	12505	9522	5493	9522
45°	9276	9020	5242	9020
50°	7396	8499	5027	8499
55°	6277	7851	4835	7851
60°	5424	7272	4525	7272
65°	4834	6645	3895	6645
70°	4247	6086	3552	6086
75°	3673	5273	3334	5273
80°	2786	4437	2786	4437
85°	2319	3490	2623	3490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	2.0
10°-20°	466.6	5.8
20°-30°	739.8	9.2
30°-40°	892.2	11.1
40°-50°	796.7	9.9
50°-60°	611.0	7.6
60°-70°	397.1	4.9
70°-80°	193.0	2.4
80°-90°	48.9	0.6
90°-100°	362.4	4.5
100°-110°	779.1	9.7
110°-120°	731.2	9.1
120°-130°	592.6	7.4
130°-140°	475.6	5.9
140°-150°	358.9	4.5
150°-160°	252.6	3.1
160°-170°	148.9	1.8
170°-180°	48.4	0.6
0°-30°	1365.7	17.0
0°-40°	2257.9	28.0
0°-60°	3665.6	45.5
0°-90°	4304.6	53.4
90°-120°	1872.8	23.3
90°-150°	3299.8	41.0
90°-180°	3750.0	46.6
0°-180°	8054.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1660	1660	1660	1660	1660	
5°	1903	1656	1463	1656	1903	190
15°	2286	1581	1112	1581	2286	655
25°	2737	1442	894	1442	2737	1257
35°	2271	1255	729	1255	2271	1372
45°	1016	988	574	988	1016	810
55°	558	697	429	697	558	506
65°	316	435	255	435	316	315
75°	147	211	134	211	147	157
85°	31	47	35	47	31	37
90°	23	1	23	1	23	17
95°	237	33	237	33	237	336
105°	1336	114	1336	114	1336	1328
115°	1488	204	1488	204	1488	1454
125°	1172	282	1172	282	1172	1061
135°	974	331	974	331	974	755
145°	768	385	768	385	768	488
155°	644	440	644	440	644	300
165°	564	480	564	480	564	161
175°	507	499	507	499	507	49
180°	500	500	500	500	500	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1746.6	1745.5	1747.7	1741.6	1742.2	1732.9	1732.9	1725.9	1716.6	1709.5	1706.2
5°	1903.0	1904.4	1901.7	1891.5	1884.6	1874.4	1862.8	1842.4	1825.3	1809.0	1796.0
7.5°	2064.2	2065.1	2056.1	2053.0	2035.8	2023.3	1997.5	1969.6	1945.0	1913.7	1889.7
10°	2158.0	2157.3	2147.7	2140.2	2125.3	2106.2	2080.9	2048.2	2017.5	1983.5	1950.8
12.5°	2212.5	2210.7	2207.7	2198.6	2184.6	2167.8	2146.4	2114.2	2076.4	2039.1	2000.9
15°	2286.1	2281.3	2272.5	2260.9	2241.1	2221.3	2197.5	2168.9	2132.7	2090.4	2055.1
17.5°	2377.1	2377.3	2363.7	2347.5	2320.7	2285.8	2249.0	2202.8	2153.7	2107.3	2069.5
20°	2452.4	2450.3	2436.7	2405.4	2374.7	2331.1	2288.9	2232.2	2172.2	2111.6	2064.6
22.5°	2560.4	2555.1	2540.8	2499.7	2452.2	2396.0	2331.4	2262.2	2189.7	2120.8	2059.1
25°	2737.3	2733.2	2705.2	2657.6	2590.8	2504.2	2419.6	2324.9	2220.7	2130.0	2055.1
27.5°	2858.3	2853.9	2833.2	2793.5	2731.9	2640.8	2526.4	2399.7	2269.6	2144.9	2036.8
30°	2846.4	2856.6	2853.9	2835.5	2789.1	2707.3	2601.7	2459.2	2304.5	2158.0	2029.1
32.5°	2675.1	2684.3	2708.3	2744.4	2747.1	2714.4	2635.4	2504.0	2343.8	2177.1	2023.2
35°	2271.1	2283.4	2329.8	2402.7	2498.1	2577.8	2594.1	2523.2	2379.4	2200.2	2014.2
37.5°	1746.0	1813.0	1852.1	1928.8	2073.1	2219.7	2360.8	2412.8	2351.5	2190.7	1999.5
40°	1483.2	1499.5	1569.0	1655.6	1777.0	1929.7	2130.7	2275.8	2280.7	2168.9	1976.6
42.5°	1269.4	1290.1	1337.9	1406.9	1510.9	1663.6	1871.2	2062.6	2151.4	2108.9	1946.6
45°	1015.6	1031.3	1066.0	1119.2	1198.9	1325.0	1503.6	1725.2	1901.0	1969.8	1866.2
47.5°	834.2	842.7	873.0	913.5	972.5	1064.4	1202.6	1394.9	1605.9	1753.7	1739.2
50°	736.1	745.7	768.8	799.5	849.3	927.0	1037.4	1197.6	1415.0	1595.6	1631.7
52.5°	659.7	667.7	682.2	711.1	752.2	811.9	901.1	1046.0	1241.6	1433.7	1517.2
55°	557.5	563.0	574.6	591.0	623.7	666.6	743.7	843.8	1002.0	1195.5	1318.2
57.5°	473.3	476.1	483.4	498.6	521.2	552.5	608.1	693.1	806.5	980.8	1116.2
60°	419.9	422.6	432.1	442.3	460.1	488.7	532.3	591.6	700.6	844.6	981.5
62.5°	377.3	379.0	383.0	393.2	408.8	430.9	465.2	513.6	600.4	726.7	856.1
65°	316.3	316.9	318.3	326.5	336.0	352.3	374.9	409.0	474.4	569.9	684.3
67.5°	257.6	258.6	263.4	266.2	276.2	284.8	298.0	324.1	370.1	434.4	523.5
70°	224.9	224.3	229.0	232.5	235.8	246.1	254.9	276.1	304.7	353.8	428.1
72.5°	194.4	192.6	194.7	195.9	200.4	207.3	216.2	229.1	251.3	285.1	341.9
75°	147.2	147.9	147.9	149.3	152.7	155.4	158.1	164.9	177.2	199.8	230.4
77.5°	103.3	102.2	105.1	105.5	107.6	110.6	112.9	115.6	120.7	129.9	145.7
80°	74.9	74.9	75.6	77.7	77.1	78.4	81.8	84.5	90.7	96.1	101.6
82.5°	57.6	57.0	57.7	58.1	58.0	59.3	60.5	61.1	63.4	66.1	69.9
85°	31.3	31.3	32.0	32.0	32.7	32.7	33.4	33.4	33.4	34.0	34.7
87.5°	16.7	16.1	15.3	15.3	15.9	16.6	15.9	15.0	14.8	14.6	14.8
90°	23.2	23.2	22.2	22.2	22.2	20.2	19.2	18.2	17.2	16.2	14.1
92.5°	64.3	65.9	67.4	69.8	82.7	97.6	129.7	178.6	263.1	325.0	330.2
95°	236.9	253.1	261.2	291.3	362.9	447.6	571.6	724.9	874.0	893.2	728.9
97.5°	572.6	585.5	614.7	671.3	733.5	851.2	972.0	1079.5	1105.9	953.9	650.9
100°	786.4	802.4	839.8	912.3	981.9	1086.7	1190.6	1240.0	1162.4	910.3	580.7
102.5°	1025.0	1037.1	1077.7	1129.3	1203.7	1274.7	1324.4	1294.0	1128.5	833.7	527.5
105°	1335.7	1347.9	1368.1	1401.3	1433.5	1444.6	1400.3	1262.1	1020.3	730.8	475.8
107.5°	1500.7	1508.7	1515.4	1515.6	1499.2	1446.6	1332.7	1148.4	909.7	660.1	454.0
110°	1555.5	1555.5	1548.4	1529.3	1484.0	1398.3	1256.1	1064.6	846.8	627.0	447.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1549.0	1541.9	1524.3	1491.4	1425.1	1324.0	1180.3	998.5	800.0	607.7	447.6
115°	1488.0	1474.9	1446.6	1398.3	1319.6	1209.7	1071.7	915.3	749.0	586.7	450.6
117.5°	1380.9	1372.8	1344.8	1294.8	1216.2	1115.4	996.4	861.7	718.6	576.4	457.3
120°	1311.6	1303.5	1276.3	1227.9	1153.3	1064.6	953.7	832.7	701.7	571.6	463.7
122.5°	1250.3	1243.0	1215.8	1171.4	1104.9	1021.8	923.0	810.9	687.1	567.5	469.4
125°	1172.5	1162.4	1140.1	1098.8	1042.4	969.8	882.1	779.3	667.4	562.5	478.9
127.5°	1105.9	1101.5	1080.5	1044.0	992.8	924.8	843.0	747.0	649.2	560.1	489.6
130°	1069.6	1063.6	1043.4	1010.2	959.8	894.2	815.6	726.9	637.1	558.5	496.0
132.5°	1033.3	1026.4	1007.9	974.6	924.2	861.1	789.7	706.7	627.4	558.5	503.2
135°	973.8	967.8	949.7	916.4	872.0	814.6	750.0	680.4	615.9	558.5	513.1
137.5°	910.3	903.7	887.0	856.7	817.0	768.2	714.6	658.3	605.7	559.7	522.2
140°	866.0	860.9	845.9	819.6	782.3	739.9	693.6	646.2	600.9	560.5	526.2
142.5°	824.9	820.6	806.3	784.2	752.5	715.8	675.8	635.7	596.8	561.3	528.7
145°	768.2	764.2	753.1	735.9	711.8	684.5	653.3	622.0	590.8	560.5	531.3
147.5°	720.2	718.4	712.0	698.2	679.0	658.5	634.5	609.2	584.5	557.8	532.3
150°	693.6	692.6	688.5	676.4	661.4	643.2	624.0	601.9	579.7	555.4	532.3
152.5°	672.6	671.6	667.6	657.9	645.2	631.1	613.5	593.8	574.0	552.3	531.5
155°	644.2	643.2	640.2	633.1	623.0	612.0	597.8	581.7	564.5	546.4	529.3
157.5°	618.7	618.9	616.1	610.4	602.5	593.8	582.9	569.6	555.6	540.4	526.6
160°	601.9	602.9	600.9	595.8	588.8	581.7	571.6	561.5	548.5	536.3	524.2
162.5°	586.5	586.7	586.3	582.1	576.6	570.4	561.9	552.7	542.0	531.5	521.8
165°	564.5	564.5	564.5	562.5	558.5	553.5	547.4	540.4	532.3	524.2	518.2
167.5°	544.4	544.6	545.4	543.6	541.6	538.0	533.3	528.7	522.8	517.2	512.5
170°	532.3	533.3	533.3	532.3	530.3	528.3	525.2	522.2	517.2	513.1	510.1
172.5°	521.0	522.0	523.6	521.8	521.4	520.2	518.0	514.9	511.5	508.3	506.9
175°	507.1	508.1	510.1	509.1	509.1	509.1	507.1	507.1	504.0	503.0	503.0
177.5°	500.0	500.0	502.4	501.6	502.4	502.4	502.4	501.6	500.8	500.0	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1706.2	1702.3	1695.3	1688.7	1680.5	1673.4	1668.6	1662.5	1655.0	1645.7	1638.0
5°	1781.7	1766.7	1747.0	1729.9	1708.1	1691.0	1673.3	1656.3	1639.2	1617.4	1598.3
7.5°	1865.4	1834.4	1804.3	1766.5	1732.1	1701.4	1671.9	1642.1	1613.0	1582.0	1552.2
10°	1916.6	1879.2	1837.6	1789.9	1746.3	1704.7	1666.5	1629.0	1589.5	1554.7	1517.2
12.5°	1964.7	1916.2	1868.7	1808.5	1756.1	1705.3	1656.7	1609.9	1567.7	1522.6	1482.4
15°	2008.0	1960.2	1907.1	1833.5	1760.6	1699.2	1641.9	1581.3	1528.8	1478.3	1433.4
17.5°	2024.8	1974.7	1913.0	1842.2	1762.5	1685.4	1611.5	1545.1	1483.3	1424.5	1373.9
20°	2018.2	1969.8	1906.4	1839.0	1753.7	1673.3	1593.6	1519.9	1451.2	1389.1	1335.2
22.5°	2002.4	1952.4	1891.2	1819.9	1739.0	1653.7	1568.5	1490.0	1417.9	1353.6	1294.9
25°	1978.7	1910.6	1847.9	1778.3	1701.3	1616.8	1528.8	1442.3	1365.2	1299.8	1235.8
27.5°	1954.0	1869.0	1789.2	1720.1	1638.7	1563.3	1478.5	1389.8	1308.8	1242.1	1176.4
30°	1931.7	1836.2	1748.3	1669.9	1592.9	1521.4	1440.9	1354.3	1271.2	1202.3	1135.6
32.5°	1903.8	1802.4	1705.8	1615.4	1541.1	1470.1	1397.2	1314.5	1233.6	1162.6	1094.7
35°	1869.0	1739.5	1634.5	1538.3	1455.9	1387.0	1321.6	1254.9	1173.8	1100.1	1034.0
37.5°	1823.1	1676.2	1554.7	1450.1	1363.0	1293.9	1242.2	1181.2	1107.2	1036.7	975.3
40°	1795.3	1630.4	1497.4	1393.9	1302.5	1229.6	1181.2	1129.4	1062.0	995.8	934.4
42.5°	1758.3	1588.4	1439.7	1331.7	1239.8	1169.6	1120.6	1075.4	1018.9	956.5	890.8
45°	1685.6	1507.0	1350.9	1235.1	1142.4	1073.5	1027.8	987.6	944.7	887.5	830.2
47.5°	1590.9	1422.1	1258.8	1132.3	1041.5	977.5	933.2	901.5	870.8	822.1	766.5
50°	1515.2	1352.3	1192.8	1070.2	973.3	912.6	871.1	845.9	817.9	773.7	727.3
52.5°	1425.7	1280.3	1124.1	998.7	907.4	850.5	810.5	785.4	762.3	726.2	682.0
55°	1284.9	1157.4	1014.2	900.4	816.6	759.3	721.1	697.3	683.7	653.0	618.2
57.5°	1122.2	1030.9	904.6	794.9	720.7	664.2	636.2	615.9	600.5	578.9	554.3
60°	1008.8	944.7	831.5	727.3	659.1	605.2	580.1	563.0	548.7	530.3	511.2
62.5°	893.7	847.1	748.7	659.1	596.4	551.3	527.7	512.3	495.8	483.4	464.8
65°	739.5	697.9	629.8	559.6	501.7	465.5	448.5	434.8	424.6	411.0	398.1
67.5°	575.3	558.4	511.3	462.9	421.3	389.2	374.5	365.0	352.6	344.5	335.6
70°	474.4	466.3	432.8	400.8	361.9	340.1	326.5	322.3	307.4	299.2	293.1
72.5°	385.0	381.1	361.9	339.7	312.4	293.3	280.6	276.1	266.5	259.9	256.0
75°	263.8	265.2	261.8	247.4	237.2	224.9	214.0	211.3	204.5	199.0	195.6
77.5°	166.8	173.8	174.1	173.4	169.4	161.8	157.3	155.3	148.6	146.5	145.7
80°	114.5	122.0	128.9	128.2	126.7	124.7	121.3	119.3	115.8	113.8	112.5
82.5°	76.3	83.3	89.0	92.7	92.4	90.4	88.1	87.2	86.4	84.9	84.6
85°	36.2	37.5	39.5	44.3	47.7	48.4	47.7	47.1	44.9	45.6	46.4
87.5°	15.1	14.7	15.1	14.7	13.7	16.1	17.3	17.7	16.8	16.1	15.3
90°	13.1	11.1	10.1	8.1	6.1	4.0	2.0	1.0	2.0	4.0	6.1
92.5°	230.0	137.7	82.7	53.2	35.9	23.4	14.9	12.3	14.9	23.4	35.9
95°	450.6	228.8	121.0	75.6	53.4	42.3	34.2	33.2	34.2	42.3	53.4
97.5°	359.7	197.2	125.8	93.1	73.2	62.1	56.5	55.2	56.5	62.1	73.2
100°	326.6	195.6	137.1	106.8	87.7	76.6	72.6	70.6	72.6	76.6	87.7
102.5°	313.0	202.9	150.8	121.4	103.8	91.9	88.7	87.6	88.7	91.9	103.8
105°	307.5	217.7	173.4	145.2	129.1	119.0	113.9	113.9	113.9	119.0	129.1
107.5°	316.8	239.9	197.0	171.6	154.8	146.5	141.8	139.8	141.8	146.5	154.8
110°	325.6	256.1	214.7	188.5	173.4	164.3	160.3	158.2	160.3	164.3	173.4



TEST NUMBER: P333600-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	336.9	271.4	231.7	206.2	191.2	182.1	178.8	176.8	178.8	182.1	191.2
115°	353.9	295.4	258.1	232.9	217.7	208.6	205.6	203.7	205.6	208.6	217.7
117.5°	373.2	320.0	284.7	260.3	243.2	234.1	230.9	227.8	230.9	234.1	243.2
120°	386.1	337.7	302.5	277.2	260.1	251.1	247.0	244.0	247.0	251.1	260.1
122.5°	400.6	354.7	319.4	294.2	275.4	266.3	263.1	260.9	263.1	266.3	275.4
125°	420.4	377.1	343.8	317.6	298.4	289.3	284.3	282.3	284.3	289.3	298.4
127.5°	438.5	398.6	366.6	340.3	320.0	308.5	302.1	299.0	302.1	308.5	320.0
130°	450.6	412.3	381.0	354.9	333.7	320.6	312.6	309.5	312.6	320.6	333.7
132.5°	461.1	425.3	393.9	367.8	345.8	331.0	321.3	317.6	321.3	331.0	345.8
135°	475.8	442.5	411.3	384.1	362.9	346.8	334.7	330.6	334.7	346.8	362.9
137.5°	486.8	454.8	426.5	398.4	377.7	361.5	350.2	347.2	350.2	361.5	377.7
140°	494.0	463.7	434.5	407.3	388.1	372.0	359.9	356.9	359.9	372.0	388.1
142.5°	498.0	469.4	441.7	416.2	397.8	381.6	370.4	368.2	370.4	381.6	397.8
145°	504.0	478.9	452.6	429.5	411.3	397.2	387.1	385.1	387.1	397.2	411.3
147.5°	507.7	484.9	461.9	441.5	425.9	412.7	404.0	402.8	404.0	412.7	425.9
150°	510.1	489.0	466.8	449.6	435.6	422.4	415.4	413.3	415.4	422.4	435.6
152.5°	511.7	493.0	472.4	456.9	443.5	432.1	425.9	424.6	425.9	432.1	443.5
155°	513.1	497.0	479.9	465.7	455.7	445.6	439.5	439.5	439.5	445.6	455.7
157.5°	514.1	500.4	485.7	475.0	466.2	457.5	452.6	452.8	452.6	457.5	466.2
160°	514.1	502.0	489.0	479.9	471.8	464.7	460.7	461.7	460.7	464.7	471.8
162.5°	513.3	503.6	492.2	484.7	478.3	472.0	468.0	469.0	468.0	472.0	478.3
165°	512.1	504.0	496.0	490.0	485.9	480.9	477.9	479.9	477.9	480.9	485.9
167.5°	509.7	504.0	497.4	493.6	490.8	488.0	486.1	487.2	486.1	488.0	490.8
170°	508.1	504.0	499.0	496.0	494.0	492.0	491.0	492.0	491.0	492.0	494.0
172.5°	506.4	503.2	499.0	497.6	496.3	494.4	493.4	495.2	493.4	494.4	496.3
175°	504.0	502.0	499.0	499.0	499.0	498.0	497.0	499.0	497.0	498.0	499.0
177.5°	501.6	500.8	499.2	499.2	500.0	499.2	499.2	500.8	499.2	499.2	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333600-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1632.5	1625.0	1619.5	1608.6	1600.9	1597.7	1591.6	1590.0	1596.0	1591.6	1591.1
5°	1584.1	1564.3	1548.6	1532.9	1515.9	1505.0	1488.6	1485.9	1481.8	1475.6	1474.3
7.5°	1525.8	1500.1	1479.9	1454.0	1431.5	1413.4	1392.9	1383.2	1378.0	1370.0	1359.4
10°	1486.5	1455.9	1428.7	1402.7	1374.8	1352.3	1331.8	1316.2	1306.0	1296.4	1292.3
12.5°	1447.8	1416.6	1381.7	1350.4	1319.2	1293.9	1271.3	1261.1	1249.8	1238.6	1229.1
15°	1387.8	1346.2	1308.0	1271.8	1245.3	1218.0	1196.2	1181.2	1164.2	1159.4	1141.0
17.5°	1323.9	1283.1	1238.5	1200.4	1169.6	1139.6	1115.6	1098.6	1085.8	1068.2	1059.8
20°	1284.1	1235.8	1192.1	1157.4	1123.3	1087.8	1063.3	1048.9	1036.7	1022.4	1015.6
22.5°	1241.6	1194.3	1149.6	1108.8	1074.2	1039.4	1021.9	1007.0	993.1	979.9	970.9
25°	1179.1	1131.5	1084.4	1042.2	1006.0	980.8	960.4	943.3	935.8	922.9	913.3
27.5°	1117.4	1066.7	1017.9	975.7	947.5	922.5	905.7	892.2	878.7	867.4	859.1
30°	1077.6	1025.8	972.6	939.3	909.3	885.3	867.0	854.0	843.8	833.6	827.5
32.5°	1037.8	984.4	937.2	901.1	872.7	852.1	833.1	820.8	810.0	798.7	791.4
35°	974.0	919.5	881.3	845.9	817.9	798.8	785.9	768.2	759.3	751.1	743.7
37.5°	914.7	864.0	822.7	791.6	767.3	748.4	731.6	722.1	711.1	703.8	697.5
40°	871.1	824.8	787.3	754.6	736.8	715.7	700.0	687.7	679.5	670.0	663.2
42.5°	831.8	788.7	752.3	722.9	700.8	683.0	667.8	655.6	645.2	638.4	632.7
45°	776.4	733.4	697.9	670.7	650.3	633.2	617.5	611.4	597.7	589.6	586.8
47.5°	718.9	680.5	646.3	621.2	600.3	584.1	569.4	556.8	549.4	541.3	536.9
50°	680.2	643.4	611.4	586.8	566.4	548.7	535.0	526.8	516.6	509.2	503.7
52.5°	641.6	607.4	575.4	552.0	534.2	516.5	501.3	493.1	483.4	478.6	474.8
55°	586.2	550.1	522.8	499.6	481.2	464.8	450.5	442.3	436.3	431.4	430.1
57.5°	523.5	494.8	469.5	448.6	429.5	414.1	401.6	393.8	388.4	387.7	383.6
60°	482.6	456.7	433.5	411.0	394.7	380.3	369.4	360.5	355.1	354.5	353.0
62.5°	441.7	416.9	395.4	375.6	360.8	347.1	336.7	326.8	323.5	320.1	317.1
65°	381.0	358.5	340.8	325.1	309.4	297.8	287.6	281.6	274.0	269.9	262.5
67.5°	321.4	304.0	287.0	273.8	261.5	250.4	242.0	232.9	227.8	224.5	219.0
70°	282.2	268.5	251.6	237.2	227.6	218.8	212.0	201.8	198.3	195.6	192.9
72.5°	245.1	233.1	218.8	207.2	197.6	189.3	181.5	176.6	173.3	170.6	169.0
75°	192.9	181.3	169.1	160.9	154.0	147.2	143.1	139.8	138.4	137.6	134.9
77.5°	141.7	135.5	125.7	119.2	114.6	111.9	108.3	106.4	106.3	103.3	102.4
80°	108.4	104.9	96.7	94.0	90.7	88.0	85.8	82.5	79.1	77.7	75.6
82.5°	80.6	77.2	73.9	69.5	66.7	65.0	63.0	61.7	62.2	60.3	59.3
85°	42.9	39.5	38.2	37.5	36.2	37.5	36.8	36.2	35.4	34.7	35.4
87.5°	15.2	15.7	15.3	16.8	15.3	16.4	16.6	16.2	16.4	16.6	16.5
90°	8.1	10.1	11.1	13.1	14.1	16.2	17.2	18.2	19.2	20.2	22.2
92.5°	53.2	82.7	137.7	230.0	330.2	325.0	263.1	178.6	129.7	97.6	82.7
95°	75.6	121.0	228.8	450.6	728.9	893.2	874.0	724.9	571.6	447.6	362.9
97.5°	93.1	125.8	197.2	359.7	650.9	953.9	1105.9	1079.5	972.0	851.2	733.5
100°	106.8	137.1	195.6	326.6	580.7	910.3	1162.4	1240.0	1190.6	1086.7	981.9
102.5°	121.4	150.8	202.9	313.0	527.5	833.7	1128.5	1294.0	1324.4	1274.7	1203.7
105°	145.2	173.4	217.7	307.5	475.8	730.8	1020.3	1262.1	1400.3	1444.6	1433.5
107.5°	171.6	197.0	239.9	316.8	454.0	660.1	909.7	1148.4	1332.7	1446.6	1499.2
110°	188.5	214.7	256.1	325.6	447.6	627.0	846.8	1064.6	1256.1	1398.3	1484.0



TEST NUMBER: P333600-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	206.2	231.7	271.4	336.9	447.6	607.7	800.0	998.5	1180.3	1324.0	1425.1
115°	232.9	258.1	295.4	353.9	450.6	586.7	749.0	915.3	1071.7	1209.7	1319.6
117.5°	260.3	284.7	320.0	373.2	457.3	576.4	718.6	861.7	996.4	1115.4	1216.2
120°	277.2	302.5	337.7	386.1	463.7	571.6	701.7	832.7	953.7	1064.6	1153.3
122.5°	294.2	319.4	354.7	400.6	469.4	567.5	687.1	810.9	923.0	1021.8	1104.9
125°	317.6	343.8	377.1	420.4	478.9	562.5	667.4	779.3	882.1	969.8	1042.4
127.5°	340.3	366.6	398.6	438.5	489.6	560.1	649.2	747.0	843.0	924.8	992.8
130°	354.9	381.0	412.3	450.6	496.0	558.5	637.1	726.9	815.6	894.2	959.8
132.5°	367.8	393.9	425.3	461.1	503.2	558.5	627.4	706.7	789.7	861.1	924.2
135°	384.1	411.3	442.5	475.8	513.1	558.5	615.9	680.4	750.0	814.6	872.0
137.5°	398.4	426.5	454.8	486.8	522.2	559.7	605.7	658.3	714.6	768.2	817.0
140°	407.3	434.5	463.7	494.0	526.2	560.5	600.9	646.2	693.6	739.9	782.3
142.5°	416.2	441.7	469.4	498.0	528.7	561.3	596.8	635.7	675.8	715.8	752.5
145°	429.5	452.6	478.9	504.0	531.3	560.5	590.8	622.0	653.3	684.5	711.8
147.5°	441.5	461.9	484.9	507.7	532.3	557.8	584.5	609.2	634.5	658.5	679.0
150°	449.6	466.8	489.0	510.1	532.3	555.4	579.7	601.9	624.0	643.2	661.4
152.5°	456.9	472.4	493.0	511.7	531.5	552.3	574.0	593.8	613.5	631.1	645.2
155°	465.7	479.9	497.0	513.1	529.3	546.4	564.5	581.7	597.8	612.0	623.0
157.5°	475.0	485.7	500.4	514.1	526.6	540.4	555.6	569.6	582.9	593.8	602.5
160°	479.9	489.0	502.0	514.1	524.2	536.3	548.5	561.5	571.6	581.7	588.8
162.5°	484.7	492.2	503.6	513.3	521.8	531.5	542.0	552.7	561.9	570.4	576.6
165°	490.0	496.0	504.0	512.1	518.2	524.2	532.3	540.4	547.4	553.5	558.5
167.5°	493.6	497.4	504.0	509.7	512.5	517.2	522.8	528.7	533.3	538.0	541.6
170°	496.0	499.0	504.0	508.1	510.1	513.1	517.2	522.2	525.2	528.3	530.3
172.5°	497.6	499.0	503.2	506.4	506.9	508.3	511.5	514.9	518.0	520.2	521.4
175°	499.0	499.0	502.0	504.0	503.0	503.0	504.0	507.1	507.1	509.1	509.1
177.5°	499.2	499.2	500.8	501.6	500.0	500.0	500.8	501.6	502.4	502.4	502.4
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333600-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1590.5	1584.6	1583.0	1585.1	1583.0	1584.6	1590.5	1591.1	1591.6	1596.0	1590.0
5°	1467.5	1460.7	1464.1	1462.7	1464.1	1460.7	1467.5	1474.3	1475.6	1481.8	1485.9
7.5°	1359.3	1350.8	1341.8	1344.6	1341.8	1350.8	1359.3	1359.4	1370.0	1378.0	1383.2
10°	1283.4	1276.7	1272.5	1276.0	1272.5	1276.7	1283.4	1292.3	1296.4	1306.0	1316.2
12.5°	1219.6	1215.6	1212.0	1210.5	1212.0	1215.6	1219.6	1229.1	1238.6	1249.8	1261.1
15°	1132.9	1124.7	1121.3	1112.4	1121.3	1124.7	1132.9	1141.0	1159.4	1164.2	1181.2
17.5°	1052.8	1050.1	1041.2	1037.4	1041.2	1050.1	1052.8	1059.8	1068.2	1085.8	1098.6
20°	1005.3	1002.6	993.8	999.3	993.8	1002.6	1005.3	1015.6	1022.4	1036.7	1048.9
22.5°	966.1	960.1	957.3	955.6	957.3	960.1	966.1	970.9	979.9	993.1	1007.0
25°	910.6	901.7	898.4	894.2	898.4	901.7	910.6	913.3	922.9	935.8	943.3
27.5°	855.3	850.5	846.0	845.0	846.0	850.5	855.3	859.1	867.4	878.7	892.2
30°	819.3	814.6	811.1	811.1	811.1	814.6	819.3	827.5	833.6	843.8	854.0
32.5°	787.1	783.5	780.0	779.5	780.0	783.5	787.1	791.4	798.7	810.0	820.8
35°	740.2	734.8	733.4	729.3	733.4	734.8	740.2	743.7	751.1	759.3	768.2
37.5°	691.6	687.0	686.9	686.5	686.9	687.0	691.6	697.5	703.8	711.1	722.1
40°	660.5	657.0	656.4	651.6	656.4	657.0	660.5	663.2	670.0	679.5	687.7
42.5°	627.2	625.4	623.1	621.1	623.1	625.4	627.2	632.7	638.4	645.2	655.6
45°	582.1	577.3	577.3	573.9	577.3	577.3	582.1	586.8	589.6	597.7	611.4
47.5°	535.4	531.8	532.2	528.7	532.2	531.8	535.4	536.9	541.3	549.4	556.8
50°	504.4	502.3	501.7	500.3	501.7	502.3	504.4	503.7	509.2	516.6	526.8
52.5°	473.3	472.3	474.9	471.9	474.9	472.3	473.3	474.8	478.6	483.4	493.1
55°	431.4	429.4	433.5	429.4	433.5	429.4	431.4	430.1	431.4	436.3	442.3
57.5°	383.3	381.4	385.1	383.0	385.1	381.4	383.3	383.6	387.7	388.4	393.8
60°	351.7	347.6	349.6	350.3	349.6	347.6	351.7	353.0	354.5	355.1	360.5
62.5°	314.1	311.6	313.2	310.0	313.2	311.6	314.1	317.1	320.1	323.5	326.8
65°	261.1	259.0	256.3	254.9	256.3	259.0	261.1	262.5	269.9	274.0	281.6
67.5°	219.3	214.4	214.3	215.4	214.3	214.4	219.3	219.0	224.5	227.8	232.9
70°	188.8	188.8	188.1	188.1	188.1	188.8	188.8	192.9	195.6	198.3	201.8
72.5°	167.5	167.0	165.7	165.2	165.7	167.0	167.5	169.0	170.6	173.3	176.6
75°	134.9	135.6	134.3	133.6	134.3	135.6	134.9	134.9	137.6	138.4	139.8
77.5°	99.7	96.7	98.3	96.7	98.3	96.7	99.7	102.4	103.3	106.3	106.4
80°	75.6	74.9	77.1	74.9	77.1	74.9	75.6	75.6	77.7	79.1	82.5
82.5°	59.9	59.2	60.1	58.6	60.1	59.2	59.9	59.3	60.3	62.2	61.7
85°	36.2	35.4	34.7	35.4	34.7	35.4	36.2	35.4	34.7	35.4	36.2
87.5°	17.0	16.5	16.7	16.7	16.7	16.5	17.0	16.5	16.6	16.4	16.2
90°	22.2	22.2	23.2	23.2	23.2	22.2	22.2	22.2	20.2	19.2	18.2
92.5°	69.8	67.4	65.9	64.3	65.9	67.4	69.8	82.7	97.6	129.7	178.6
95°	291.3	261.2	253.1	236.9	253.1	261.2	291.3	362.9	447.6	571.6	724.9
97.5°	671.3	614.7	585.5	572.6	585.5	614.7	671.3	733.5	851.2	972.0	1079.5
100°	912.3	839.8	802.4	786.4	802.4	839.8	912.3	981.9	1086.7	1190.6	1240.0
102.5°	1129.3	1077.7	1037.1	1025.0	1037.1	1077.7	1129.3	1203.7	1274.7	1324.4	1294.0
105°	1401.3	1368.1	1347.9	1335.7	1347.9	1368.1	1401.3	1433.5	1444.6	1400.3	1262.1
107.5°	1515.6	1515.4	1508.7	1500.7	1508.7	1515.4	1515.6	1499.2	1446.6	1332.7	1148.4
110°	1529.3	1548.4	1555.5	1555.5	1555.5	1548.4	1529.3	1484.0	1398.3	1256.1	1064.6



TEST NUMBER: P333600-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1491.4	1524.3	1541.9	1549.0	1541.9	1524.3	1491.4	1425.1	1324.0	1180.3	998.5
115°	1398.3	1446.6	1474.9	1488.0	1474.9	1446.6	1398.3	1319.6	1209.7	1071.7	915.3
117.5°	1294.8	1344.8	1372.8	1380.9	1372.8	1344.8	1294.8	1216.2	1115.4	996.4	861.7
120°	1227.9	1276.3	1303.5	1311.6	1303.5	1276.3	1227.9	1153.3	1064.6	953.7	832.7
122.5°	1171.4	1215.8	1243.0	1250.3	1243.0	1215.8	1171.4	1104.9	1021.8	923.0	810.9
125°	1098.8	1140.1	1162.4	1172.5	1162.4	1140.1	1098.8	1042.4	969.8	882.1	779.3
127.5°	1044.0	1080.5	1101.5	1105.9	1101.5	1080.5	1044.0	992.8	924.8	843.0	747.0
130°	1010.2	1043.4	1063.6	1069.6	1063.6	1043.4	1010.2	959.8	894.2	815.6	726.9
132.5°	974.6	1007.9	1026.4	1033.3	1026.4	1007.9	974.6	924.2	861.1	789.7	706.7
135°	916.4	949.7	967.8	973.8	967.8	949.7	916.4	872.0	814.6	750.0	680.4
137.5°	856.7	887.0	903.7	910.3	903.7	887.0	856.7	817.0	768.2	714.6	658.3
140°	819.6	845.9	860.9	866.0	860.9	845.9	819.6	782.3	739.9	693.6	646.2
142.5°	784.2	806.3	820.6	824.9	820.6	806.3	784.2	752.5	715.8	675.8	635.7
145°	735.9	753.1	764.2	768.2	764.2	753.1	735.9	711.8	684.5	653.3	622.0
147.5°	698.2	712.0	718.4	720.2	718.4	712.0	698.2	679.0	658.5	634.5	609.2
150°	676.4	688.5	692.6	693.6	692.6	688.5	676.4	661.4	643.2	624.0	601.9
152.5°	657.9	667.6	671.6	672.6	671.6	667.6	657.9	645.2	631.1	613.5	593.8
155°	633.1	640.2	643.2	644.2	643.2	640.2	633.1	623.0	612.0	597.8	581.7
157.5°	610.4	616.1	618.9	618.7	618.9	616.1	610.4	602.5	593.8	582.9	569.6
160°	595.8	600.9	602.9	601.9	602.9	600.9	595.8	588.8	581.7	571.6	561.5
162.5°	582.1	586.3	586.7	586.5	586.7	586.3	582.1	576.6	570.4	561.9	552.7
165°	562.5	564.5	564.5	564.5	564.5	564.5	562.5	558.5	553.5	547.4	540.4
167.5°	543.6	545.4	544.6	544.4	544.6	545.4	543.6	541.6	538.0	533.3	528.7
170°	532.3	533.3	533.3	532.3	533.3	533.3	532.3	530.3	528.3	525.2	522.2
172.5°	521.8	523.6	522.0	521.0	522.0	523.6	521.8	521.4	520.2	518.0	514.9
175°	509.1	510.1	508.1	507.1	508.1	510.1	509.1	509.1	509.1	507.1	507.1
177.5°	501.6	502.4	500.0	500.0	500.0	502.4	501.6	502.4	502.4	502.4	501.6
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333600-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1591.6	1597.7	1600.9	1608.6	1619.5	1625.0	1632.5	1638.0	1645.7	1655.0	1662.5
5°	1488.6	1505.0	1515.9	1532.9	1548.6	1564.3	1584.1	1598.3	1617.4	1639.2	1656.3
7.5°	1392.9	1413.4	1431.5	1454.0	1479.9	1500.1	1525.8	1552.2	1582.0	1613.0	1642.1
10°	1331.8	1352.3	1374.8	1402.7	1428.7	1455.9	1486.5	1517.2	1554.7	1589.5	1629.0
12.5°	1271.3	1293.9	1319.2	1350.4	1381.7	1416.6	1447.8	1482.4	1522.6	1567.7	1609.9
15°	1196.2	1218.0	1245.3	1271.8	1308.0	1346.2	1387.8	1433.4	1478.3	1528.8	1581.3
17.5°	1115.6	1139.6	1169.6	1200.4	1238.5	1283.1	1323.9	1373.9	1424.5	1483.3	1545.1
20°	1063.3	1087.8	1123.3	1157.4	1192.1	1235.8	1284.1	1335.2	1389.1	1451.2	1519.9
22.5°	1021.9	1039.4	1074.2	1108.8	1149.6	1194.3	1241.6	1294.9	1353.6	1417.9	1490.0
25°	960.4	980.8	1006.0	1042.2	1084.4	1131.5	1179.1	1235.8	1299.8	1365.2	1442.3
27.5°	905.7	922.5	947.5	975.7	1017.9	1066.7	1117.4	1176.4	1242.1	1308.8	1389.8
30°	867.0	885.3	909.3	939.3	972.6	1025.8	1077.6	1135.6	1202.3	1271.2	1354.3
32.5°	833.1	852.1	872.7	901.1	937.2	984.4	1037.8	1094.7	1162.6	1233.6	1314.5
35°	785.9	798.8	817.9	845.9	881.3	919.5	974.0	1034.0	1100.1	1173.8	1254.9
37.5°	731.6	748.4	767.3	791.6	822.7	864.0	914.7	975.3	1036.7	1107.2	1181.2
40°	700.0	715.7	736.8	754.6	787.3	824.8	871.1	934.4	995.8	1062.0	1129.4
42.5°	667.8	683.0	700.8	722.9	752.3	788.7	831.8	890.8	956.5	1018.9	1075.4
45°	617.5	633.2	650.3	670.7	697.9	733.4	776.4	830.2	887.5	944.7	987.6
47.5°	569.4	584.1	600.3	621.2	646.3	680.5	718.9	766.5	822.1	870.8	901.5
50°	535.0	548.7	566.4	586.8	611.4	643.4	680.2	727.3	773.7	817.9	845.9
52.5°	501.3	516.5	534.2	552.0	575.4	607.4	641.6	682.0	726.2	762.3	785.4
55°	450.5	464.8	481.2	499.6	522.8	550.1	586.2	618.2	653.0	683.7	697.3
57.5°	401.6	414.1	429.5	448.6	469.5	494.8	523.5	554.3	578.9	600.5	615.9
60°	369.4	380.3	394.7	411.0	433.5	456.7	482.6	511.2	530.3	548.7	563.0
62.5°	336.7	347.1	360.8	375.6	395.4	416.9	441.7	464.8	483.4	495.8	512.3
65°	287.6	297.8	309.4	325.1	340.8	358.5	381.0	398.1	411.0	424.6	434.8
67.5°	242.0	250.4	261.5	273.8	287.0	304.0	321.4	335.6	344.5	352.6	365.0
70°	212.0	218.8	227.6	237.2	251.6	268.5	282.2	293.1	299.2	307.4	322.3
72.5°	181.5	189.3	197.6	207.2	218.8	233.1	245.1	256.0	259.9	266.5	276.1
75°	143.1	147.2	154.0	160.9	169.1	181.3	192.9	195.6	199.0	204.5	211.3
77.5°	108.3	111.9	114.6	119.2	125.7	135.5	141.7	145.7	146.5	148.6	155.3
80°	85.8	88.0	90.7	94.0	96.7	104.9	108.4	112.5	113.8	115.8	119.3
82.5°	63.0	65.0	66.7	69.5	73.9	77.2	80.6	84.6	84.9	86.4	87.2
85°	36.8	37.5	36.2	37.5	38.2	39.5	42.9	46.4	45.6	44.9	47.1
87.5°	16.6	16.4	15.3	16.8	15.3	15.7	15.2	15.3	16.1	16.8	17.7
90°	17.2	16.2	14.1	13.1	11.1	10.1	8.1	6.1	4.0	2.0	1.0
92.5°	263.1	325.0	330.2	230.0	137.7	82.7	53.2	35.9	23.4	14.9	12.3
95°	874.0	893.2	728.9	450.6	228.8	121.0	75.6	53.4	42.3	34.2	33.2
97.5°	1105.9	953.9	650.9	359.7	197.2	125.8	93.1	73.2	62.1	56.5	55.2
100°	1162.4	910.3	580.7	326.6	195.6	137.1	106.8	87.7	76.6	72.6	70.6
102.5°	1128.5	833.7	527.5	313.0	202.9	150.8	121.4	103.8	91.9	88.7	87.6
105°	1020.3	730.8	475.8	307.5	217.7	173.4	145.2	129.1	119.0	113.9	113.9
107.5°	909.7	660.1	454.0	316.8	239.9	197.0	171.6	154.8	146.5	141.8	139.8
110°	846.8	627.0	447.6	325.6	256.1	214.7	188.5	173.4	164.3	160.3	158.2



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CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	800.0	607.7	447.6	336.9	271.4	231.7	206.2	191.2	182.1	178.8	176.8
115°	749.0	586.7	450.6	353.9	295.4	258.1	232.9	217.7	208.6	205.6	203.7
117.5°	718.6	576.4	457.3	373.2	320.0	284.7	260.3	243.2	234.1	230.9	227.8
120°	701.7	571.6	463.7	386.1	337.7	302.5	277.2	260.1	251.1	247.0	244.0
122.5°	687.1	567.5	469.4	400.6	354.7	319.4	294.2	275.4	266.3	263.1	260.9
125°	667.4	562.5	478.9	420.4	377.1	343.8	317.6	298.4	289.3	284.3	282.3
127.5°	649.2	560.1	489.6	438.5	398.6	366.6	340.3	320.0	308.5	302.1	299.0
130°	637.1	558.5	496.0	450.6	412.3	381.0	354.9	333.7	320.6	312.6	309.5
132.5°	627.4	558.5	503.2	461.1	425.3	393.9	367.8	345.8	331.0	321.3	317.6
135°	615.9	558.5	513.1	475.8	442.5	411.3	384.1	362.9	346.8	334.7	330.6
137.5°	605.7	559.7	522.2	486.8	454.8	426.5	398.4	377.7	361.5	350.2	347.2
140°	600.9	560.5	526.2	494.0	463.7	434.5	407.3	388.1	372.0	359.9	356.9
142.5°	596.8	561.3	528.7	498.0	469.4	441.7	416.2	397.8	381.6	370.4	368.2
145°	590.8	560.5	531.3	504.0	478.9	452.6	429.5	411.3	397.2	387.1	385.1
147.5°	584.5	557.8	532.3	507.7	484.9	461.9	441.5	425.9	412.7	404.0	402.8
150°	579.7	555.4	532.3	510.1	489.0	466.8	449.6	435.6	422.4	415.4	413.3
152.5°	574.0	552.3	531.5	511.7	493.0	472.4	456.9	443.5	432.1	425.9	424.6
155°	564.5	546.4	529.3	513.1	497.0	479.9	465.7	455.7	445.6	439.5	439.5
157.5°	555.6	540.4	526.6	514.1	500.4	485.7	475.0	466.2	457.5	452.6	452.8
160°	548.5	536.3	524.2	514.1	502.0	489.0	479.9	471.8	464.7	460.7	461.7
162.5°	542.0	531.5	521.8	513.3	503.6	492.2	484.7	478.3	472.0	468.0	469.0
165°	532.3	524.2	518.2	512.1	504.0	496.0	490.0	485.9	480.9	477.9	479.9
167.5°	522.8	517.2	512.5	509.7	504.0	497.4	493.6	490.8	488.0	486.1	487.2
170°	517.2	513.1	510.1	508.1	504.0	499.0	496.0	494.0	492.0	491.0	492.0
172.5°	511.5	508.3	506.9	506.4	503.2	499.0	497.6	496.3	494.4	493.4	495.2
175°	504.0	503.0	503.0	504.0	502.0	499.0	499.0	499.0	498.0	497.0	499.0
177.5°	500.8	500.0	500.0	501.6	500.8	499.2	499.2	500.0	499.2	499.2	500.8
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333600-840

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1668.6	1673.4	1680.5	1688.7	1695.3	1702.3	1706.2	1706.2	1709.5	1716.6	1725.9
5°	1673.3	1691.0	1708.1	1729.9	1747.0	1766.7	1781.7	1796.0	1809.0	1825.3	1842.4
7.5°	1671.9	1701.4	1732.1	1766.5	1804.3	1834.4	1865.4	1889.7	1913.7	1945.0	1969.6
10°	1666.5	1704.7	1746.3	1789.9	1837.6	1879.2	1916.6	1950.8	1983.5	2017.5	2048.2
12.5°	1656.7	1705.3	1756.1	1808.5	1868.7	1916.2	1964.7	2000.9	2039.1	2076.4	2114.2
15°	1641.9	1699.2	1760.6	1833.5	1907.1	1960.2	2008.0	2055.1	2090.4	2132.7	2168.9
17.5°	1611.5	1685.4	1762.5	1842.2	1913.0	1974.7	2024.8	2069.5	2107.3	2153.7	2202.8
20°	1593.6	1673.3	1753.7	1839.0	1906.4	1969.8	2018.2	2064.6	2111.6	2172.2	2232.2
22.5°	1568.5	1653.7	1739.0	1819.9	1891.2	1952.4	2002.4	2059.1	2120.8	2189.7	2262.2
25°	1528.8	1616.8	1701.3	1778.3	1847.9	1910.6	1978.7	2055.1	2130.0	2220.7	2324.9
27.5°	1478.5	1563.3	1638.7	1720.1	1789.2	1869.0	1954.0	2036.8	2144.9	2269.6	2399.7
30°	1440.9	1521.4	1592.9	1669.9	1748.3	1836.2	1931.7	2029.1	2158.0	2304.5	2459.2
32.5°	1397.2	1470.1	1541.1	1615.4	1705.8	1802.4	1903.8	2023.2	2177.1	2343.8	2504.0
35°	1321.6	1387.0	1455.9	1538.3	1634.5	1739.5	1869.0	2014.2	2200.2	2379.4	2523.2
37.5°	1242.2	1293.9	1363.0	1450.1	1554.7	1676.2	1823.1	1999.5	2190.7	2351.5	2412.8
40°	1181.2	1229.6	1302.5	1393.9	1497.4	1630.4	1795.3	1976.6	2168.9	2280.7	2275.8
42.5°	1120.6	1169.6	1239.8	1331.7	1439.7	1588.4	1758.3	1946.6	2108.9	2151.4	2062.6
45°	1027.8	1073.5	1142.4	1235.1	1350.9	1507.0	1685.6	1866.2	1969.8	1901.0	1725.2
47.5°	933.2	977.5	1041.5	1132.3	1258.8	1422.1	1590.9	1739.2	1753.7	1605.9	1394.9
50°	871.1	912.6	973.3	1070.2	1192.8	1352.3	1515.2	1631.7	1595.6	1415.0	1197.6
52.5°	810.5	850.5	907.4	998.7	1124.1	1280.3	1425.7	1517.2	1433.7	1241.6	1046.0
55°	721.1	759.3	816.6	900.4	1014.2	1157.4	1284.9	1318.2	1195.5	1002.0	843.8
57.5°	636.2	664.2	720.7	794.9	904.6	1030.9	1122.2	1116.2	980.8	806.5	693.1
60°	580.1	605.2	659.1	727.3	831.5	944.7	1008.8	981.5	844.6	700.6	591.6
62.5°	527.7	551.3	596.4	659.1	748.7	847.1	893.7	856.1	726.7	600.4	513.6
65°	448.5	465.5	501.7	559.6	629.8	697.9	739.5	684.3	569.9	474.4	409.0
67.5°	374.5	389.2	421.3	462.9	511.3	558.4	575.3	523.5	434.4	370.1	324.1
70°	326.5	340.1	361.9	400.8	432.8	466.3	474.4	428.1	353.8	304.7	276.1
72.5°	280.6	293.3	312.4	339.7	361.9	381.1	385.0	341.9	285.1	251.3	229.1
75°	214.0	224.9	237.2	247.4	261.8	265.2	263.8	230.4	199.8	177.2	164.9
77.5°	157.3	161.8	169.4	173.4	174.1	173.8	166.8	145.7	129.9	120.7	115.6
80°	121.3	124.7	126.7	128.2	128.9	122.0	114.5	101.6	96.1	90.7	84.5
82.5°	88.1	90.4	92.4	92.7	89.0	83.3	76.3	69.9	66.1	63.4	61.1
85°	47.7	48.4	47.7	44.3	39.5	37.5	36.2	34.7	34.0	33.4	33.4
87.5°	17.3	16.1	13.7	14.7	15.1	14.7	15.1	14.8	14.6	14.8	15.0
90°	2.0	4.0	6.1	8.1	10.1	11.1	13.1	14.1	16.2	17.2	18.2
92.5°	14.9	23.4	35.9	53.2	82.7	137.7	230.0	330.2	325.0	263.1	178.6
95°	34.2	42.3	53.4	75.6	121.0	228.8	450.6	728.9	893.2	874.0	724.9
97.5°	56.5	62.1	73.2	93.1	125.8	197.2	359.7	650.9	953.9	1105.9	1079.5
100°	72.6	76.6	87.7	106.8	137.1	195.6	326.6	580.7	910.3	1162.4	1240.0
102.5°	88.7	91.9	103.8	121.4	150.8	202.9	313.0	527.5	833.7	1128.5	1294.0
105°	113.9	119.0	129.1	145.2	173.4	217.7	307.5	475.8	730.8	1020.3	1262.1
107.5°	141.8	146.5	154.8	171.6	197.0	239.9	316.8	454.0	660.1	909.7	1148.4
110°	160.3	164.3	173.4	188.5	214.7	256.1	325.6	447.6	627.0	846.8	1064.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	178.8	182.1	191.2	206.2	231.7	271.4	336.9	447.6	607.7	800.0	998.5
115°	205.6	208.6	217.7	232.9	258.1	295.4	353.9	450.6	586.7	749.0	915.3
117.5°	230.9	234.1	243.2	260.3	284.7	320.0	373.2	457.3	576.4	718.6	861.7
120°	247.0	251.1	260.1	277.2	302.5	337.7	386.1	463.7	571.6	701.7	832.7
122.5°	263.1	266.3	275.4	294.2	319.4	354.7	400.6	469.4	567.5	687.1	810.9
125°	284.3	289.3	298.4	317.6	343.8	377.1	420.4	478.9	562.5	667.4	779.3
127.5°	302.1	308.5	320.0	340.3	366.6	398.6	438.5	489.6	560.1	649.2	747.0
130°	312.6	320.6	333.7	354.9	381.0	412.3	450.6	496.0	558.5	637.1	726.9
132.5°	321.3	331.0	345.8	367.8	393.9	425.3	461.1	503.2	558.5	627.4	706.7
135°	334.7	346.8	362.9	384.1	411.3	442.5	475.8	513.1	558.5	615.9	680.4
137.5°	350.2	361.5	377.7	398.4	426.5	454.8	486.8	522.2	559.7	605.7	658.3
140°	359.9	372.0	388.1	407.3	434.5	463.7	494.0	526.2	560.5	600.9	646.2
142.5°	370.4	381.6	397.8	416.2	441.7	469.4	498.0	528.7	561.3	596.8	635.7
145°	387.1	397.2	411.3	429.5	452.6	478.9	504.0	531.3	560.5	590.8	622.0
147.5°	404.0	412.7	425.9	441.5	461.9	484.9	507.7	532.3	557.8	584.5	609.2
150°	415.4	422.4	435.6	449.6	466.8	489.0	510.1	532.3	555.4	579.7	601.9
152.5°	425.9	432.1	443.5	456.9	472.4	493.0	511.7	531.5	552.3	574.0	593.8
155°	439.5	445.6	455.7	465.7	479.9	497.0	513.1	529.3	546.4	564.5	581.7
157.5°	452.6	457.5	466.2	475.0	485.7	500.4	514.1	526.6	540.4	555.6	569.6
160°	460.7	464.7	471.8	479.9	489.0	502.0	514.1	524.2	536.3	548.5	561.5
162.5°	468.0	472.0	478.3	484.7	492.2	503.6	513.3	521.8	531.5	542.0	552.7
165°	477.9	480.9	485.9	490.0	496.0	504.0	512.1	518.2	524.2	532.3	540.4
167.5°	486.1	488.0	490.8	493.6	497.4	504.0	509.7	512.5	517.2	522.8	528.7
170°	491.0	492.0	494.0	496.0	499.0	504.0	508.1	510.1	513.1	517.2	522.2
172.5°	493.4	494.4	496.3	497.6	499.0	503.2	506.4	506.9	508.3	511.5	514.9
175°	497.0	498.0	499.0	499.0	499.0	502.0	504.0	503.0	503.0	504.0	507.1
177.5°	499.2	499.2	500.0	499.2	499.2	500.8	501.6	500.0	500.0	500.8	501.6
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1732.9	1732.9	1742.2	1741.6	1747.7	1745.5	1746.6
5°	1862.8	1874.4	1884.6	1891.5	1901.7	1904.4	1903.0
7.5°	1997.5	2023.3	2035.8	2053.0	2056.1	2065.1	2064.2
10°	2080.9	2106.2	2125.3	2140.2	2147.7	2157.3	2158.0
12.5°	2146.4	2167.8	2184.6	2198.6	2207.7	2210.7	2212.5
15°	2197.5	2221.3	2241.1	2260.9	2272.5	2281.3	2286.1
17.5°	2249.0	2285.8	2320.7	2347.5	2363.7	2377.3	2377.1
20°	2288.9	2331.1	2374.7	2405.4	2436.7	2450.3	2452.4
22.5°	2331.4	2396.0	2452.2	2499.7	2540.8	2555.1	2560.4
25°	2419.6	2504.2	2590.8	2657.6	2705.2	2733.2	2737.3
27.5°	2526.4	2640.8	2731.9	2793.5	2833.2	2853.9	2858.3
30°	2601.7	2707.3	2789.1	2835.5	2853.9	2856.6	2846.4
32.5°	2635.4	2714.4	2747.1	2744.4	2708.3	2684.3	2675.1
35°	2594.1	2577.8	2498.1	2402.7	2329.8	2283.4	2271.1
37.5°	2360.8	2219.7	2073.1	1928.8	1852.1	1813.0	1746.0
40°	2130.7	1929.7	1777.0	1655.6	1569.0	1499.5	1483.2
42.5°	1871.2	1663.6	1510.9	1406.9	1337.9	1290.1	1269.4
45°	1503.6	1325.0	1198.9	1119.2	1066.0	1031.3	1015.6
47.5°	1202.6	1064.4	972.5	913.5	873.0	842.7	834.2
50°	1037.4	927.0	849.3	799.5	768.8	745.7	736.1
52.5°	901.1	811.9	752.2	711.1	682.2	667.7	659.7
55°	743.7	666.6	623.7	591.0	574.6	563.0	557.5
57.5°	608.1	552.5	521.2	498.6	483.4	476.1	473.3
60°	532.3	488.7	460.1	442.3	432.1	422.6	419.9
62.5°	465.2	430.9	408.8	393.2	383.0	379.0	377.3
65°	374.9	352.3	336.0	326.5	318.3	316.9	316.3
67.5°	298.0	284.8	276.2	266.2	263.4	258.6	257.6
70°	254.9	246.1	235.8	232.5	229.0	224.3	224.9
72.5°	216.2	207.3	200.4	195.9	194.7	192.6	194.4
75°	158.1	155.4	152.7	149.3	147.9	147.9	147.2
77.5°	112.9	110.6	107.6	105.5	105.1	102.2	103.3
80°	81.8	78.4	77.1	77.7	75.6	74.9	74.9
82.5°	60.5	59.3	58.0	58.1	57.7	57.0	57.6
85°	33.4	32.7	32.7	32.0	32.0	31.3	31.3
87.5°	15.9	16.6	15.9	15.3	15.3	16.1	16.7
90°	19.2	20.2	22.2	22.2	22.2	23.2	23.2
92.5°	129.7	97.6	82.7	69.8	67.4	65.9	64.3
95°	571.6	447.6	362.9	291.3	261.2	253.1	236.9
97.5°	972.0	851.2	733.5	671.3	614.7	585.5	572.6
100°	1190.6	1086.7	981.9	912.3	839.8	802.4	786.4
102.5°	1324.4	1274.7	1203.7	1129.3	1077.7	1037.1	1025.0
105°	1400.3	1444.6	1433.5	1401.3	1368.1	1347.9	1335.7
107.5°	1332.7	1446.6	1499.2	1515.6	1515.4	1508.7	1500.7
110°	1256.1	1398.3	1484.0	1529.3	1548.4	1555.5	1555.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1180.3	1324.0	1425.1	1491.4	1524.3	1541.9	1549.0
115°	1071.7	1209.7	1319.6	1398.3	1446.6	1474.9	1488.0
117.5°	996.4	1115.4	1216.2	1294.8	1344.8	1372.8	1380.9
120°	953.7	1064.6	1153.3	1227.9	1276.3	1303.5	1311.6
122.5°	923.0	1021.8	1104.9	1171.4	1215.8	1243.0	1250.3
125°	882.1	969.8	1042.4	1098.8	1140.1	1162.4	1172.5
127.5°	843.0	924.8	992.8	1044.0	1080.5	1101.5	1105.9
130°	815.6	894.2	959.8	1010.2	1043.4	1063.6	1069.6
132.5°	789.7	861.1	924.2	974.6	1007.9	1026.4	1033.3
135°	750.0	814.6	872.0	916.4	949.7	967.8	973.8
137.5°	714.6	768.2	817.0	856.7	887.0	903.7	910.3
140°	693.6	739.9	782.3	819.6	845.9	860.9	866.0
142.5°	675.8	715.8	752.5	784.2	806.3	820.6	824.9
145°	653.3	684.5	711.8	735.9	753.1	764.2	768.2
147.5°	634.5	658.5	679.0	698.2	712.0	718.4	720.2
150°	624.0	643.2	661.4	676.4	688.5	692.6	693.6
152.5°	613.5	631.1	645.2	657.9	667.6	671.6	672.6
155°	597.8	612.0	623.0	633.1	640.2	643.2	644.2
157.5°	582.9	593.8	602.5	610.4	616.1	618.9	618.7
160°	571.6	581.7	588.8	595.8	600.9	602.9	601.9
162.5°	561.9	570.4	576.6	582.1	586.3	586.7	586.5
165°	547.4	553.5	558.5	562.5	564.5	564.5	564.5
167.5°	533.3	538.0	541.6	543.6	545.4	544.6	544.4
170°	525.2	528.3	530.3	532.3	533.3	533.3	532.3
172.5°	518.0	520.2	521.4	521.8	523.6	522.0	521.0
175°	507.1	509.1	509.1	509.1	510.1	508.1	507.1
177.5°	502.4	502.4	502.4	501.6	502.4	500.0	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0

(END OF REPORT)