

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: P333630-940

Luminaire Tested: **S125RDIP-S1270D1035U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333630-940  
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-S1270D1035U940-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

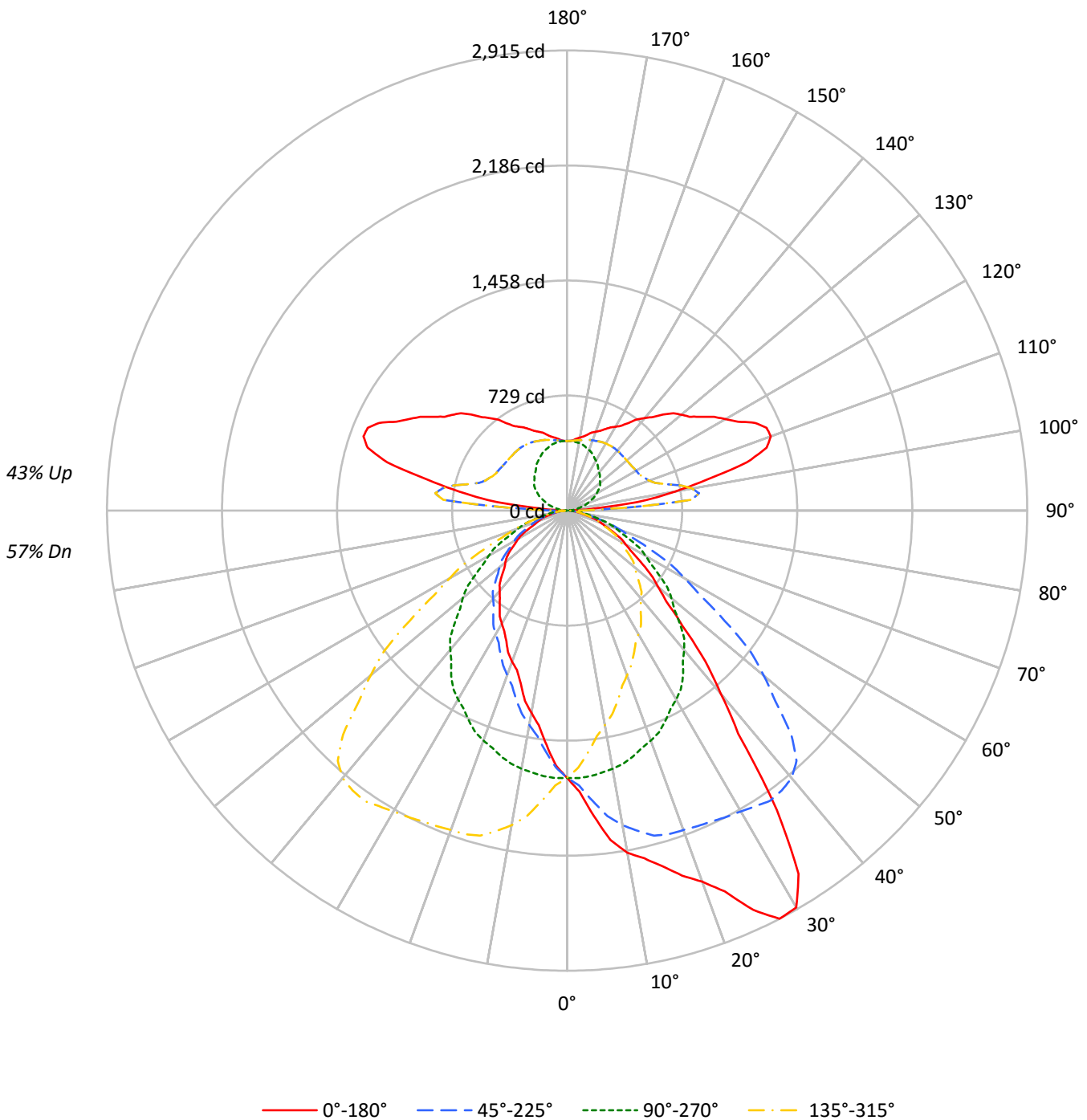
Lumens per Lamp: N/A  
Luminaire Lumens: 7700.5 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 66.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63	57
1	100	96	92	89	93	89	86	83	77	75	73	66	65	63	56	55	54	49
2	91	84	78	73	85	79	73	69	68	64	61	59	56	53	50	48	46	42
3	84	74	67	61	78	70	63	58	61	56	52	52	49	46	45	42	40	36
4	77	66	58	52	71	62	55	50	54	49	44	47	43	39	40	37	34	31
5	70	59	51	45	65	55	48	43	49	43	39	42	38	34	36	33	30	27
6	65	53	45	39	60	50	43	37	44	38	34	38	34	30	33	29	27	24
7	60	48	40	35	56	45	38	33	40	34	30	35	30	27	30	27	24	21
8	56	44	36	31	52	41	34	29	36	31	27	32	27	24	28	24	21	19
9	52	40	32	27	49	38	31	26	33	28	24	29	25	22	26	22	19	17
10	49	37	29	25	45	35	28	24	31	25	22	27	23	20	24	20	18	16

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

	0°	90°	180°	270°
0°	10936	10936	10936	10936
5°	12582	10950	9671	10950
10°	14432	10895	8533	10895
15°	15588	10783	7585	10783
20°	17189	10654	7003	10654
25°	19892	10481	6499	10481
30°	21647	10300	6169	10300
35°	18260	10089	5864	10089
40°	12752	9711	5602	9711
45°	9460	9199	5345	9199
50°	7543	8667	5126	8667
55°	6402	8007	4931	8007
60°	5531	7417	4615	7417
65°	4928	6776	3972	6776
70°	4330	6209	3622	6209
75°	3748	5375	3401	5375
80°	2841	4523	2841	4523
85°	2371	3557	2675	3557



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.4	2.1
10°-20°	475.9	6.2
20°-30°	754.5	9.8
30°-40°	909.8	11.8
40°-50°	812.5	10.6
50°-60°	623.1	8.1
60°-70°	404.9	5.3
70°-80°	196.9	2.6
80°-90°	49.4	0.6
90°-100°	320.0	4.2
100°-110°	688.0	8.9
110°-120°	645.7	8.4
120°-130°	523.3	6.8
130°-140°	419.9	5.5
140°-150°	316.9	4.1
150°-160°	223.1	2.9
160°-170°	131.5	1.7
170°-180°	42.8	0.6
0°-30°	1392.7	18.1
0°-40°	2302.6	29.9
0°-60°	3738.2	48.5
0°-90°	4389.4	57.0
90°-120°	1653.7	21.5
90°-150°	2913.7	37.8
90°-180°	3311.0	43.0
0°-180°	7700.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1693	1693	1693	1693	1693	
5°	1941	1689	1492	1689	1941	194
15°	2331	1613	1134	1613	2331	668
25°	2792	1471	912	1471	2792	1282
35°	2316	1280	744	1280	2316	1399
45°	1036	1007	585	1007	1036	826
55°	569	711	438	711	569	516
65°	322	443	260	443	322	321
75°	150	215	136	215	150	160
85°	32	48	36	48	32	37
90°	20	1	20	1	20	16
95°	209	29	209	29	209	296
105°	1180	101	1180	101	1180	1172
115°	1314	180	1314	180	1314	1284
125°	1035	249	1035	249	1035	937
135°	860	292	860	292	860	666
145°	678	340	678	340	678	431
155°	569	388	569	388	569	265
165°	498	424	498	424	498	143
175°	448	441	448	441	448	44
180°	442	442	442	442	442	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1781.1	1780.0	1782.3	1776.1	1776.6	1767.2	1767.2	1760.0	1750.5	1743.3	1740.0
5°	1940.7	1942.1	1939.3	1928.9	1922.0	1911.6	1899.7	1878.8	1861.4	1844.8	1831.6
7.5°	2105.1	2106.0	2096.9	2093.6	2076.1	2063.3	2037.0	2008.7	1983.5	1951.6	1927.1
10°	2200.7	2200.0	2190.2	2182.6	2167.3	2147.9	2122.2	2088.7	2057.5	2022.8	1989.4
12.5°	2256.3	2254.5	2251.4	2242.1	2227.9	2210.7	2188.9	2156.1	2117.5	2079.5	2040.5
15°	2331.4	2326.5	2317.5	2305.6	2285.5	2265.3	2241.0	2211.8	2175.0	2131.9	2095.7
17.5°	2424.2	2424.4	2410.5	2394.1	2366.7	2331.1	2293.6	2246.4	2196.4	2148.9	2110.5
20°	2501.0	2498.8	2485.0	2453.0	2421.7	2377.2	2334.1	2276.4	2215.3	2153.4	2105.4
22.5°	2611.1	2605.7	2591.2	2549.2	2500.7	2443.4	2377.5	2307.0	2233.1	2162.8	2099.9
25°	2791.5	2787.3	2758.9	2710.2	2642.0	2553.8	2467.6	2371.0	2264.7	2172.2	2095.7
27.5°	2915.0	2910.4	2889.2	2848.8	2786.0	2693.1	2576.4	2447.3	2314.5	2187.4	2077.1
30°	2902.7	2913.1	2910.4	2891.6	2844.4	2760.9	2653.2	2507.9	2350.1	2200.7	2069.3
32.5°	2728.1	2737.5	2761.9	2798.7	2801.5	2768.1	2687.7	2553.5	2390.1	2220.2	2063.2
35°	2316.0	2328.6	2375.9	2450.2	2547.5	2628.9	2645.5	2573.3	2426.6	2243.8	2054.1
37.5°	1780.6	1849.0	1888.7	1967.0	2114.1	2263.7	2407.5	2460.5	2398.1	2234.1	2039.2
40°	1512.5	1529.2	1600.1	1688.4	1812.1	1967.8	2172.9	2320.9	2325.8	2211.8	2015.8
42.5°	1294.6	1315.7	1364.3	1434.9	1540.8	1696.5	1908.2	2103.5	2194.1	2150.6	1985.2
45°	1035.7	1051.7	1087.2	1141.4	1222.7	1351.3	1533.4	1759.3	1938.7	2008.8	1903.2
47.5°	850.8	859.4	890.3	931.6	991.8	1085.5	1226.5	1422.5	1637.6	1788.5	1773.6
50°	750.7	760.5	784.1	815.4	866.1	945.3	1057.9	1221.3	1443.1	1627.2	1664.1
52.5°	672.9	680.9	695.6	725.2	767.1	828.0	918.9	1066.7	1266.2	1462.0	1547.3
55°	568.6	574.2	585.9	602.6	636.1	679.8	758.3	860.5	1021.8	1219.2	1344.3
57.5°	482.7	485.4	492.9	508.4	531.5	563.5	620.2	706.8	822.4	1000.2	1138.3
60°	428.2	431.0	440.7	451.1	469.2	498.4	542.9	603.3	714.5	861.2	1000.9
62.5°	384.8	386.5	390.7	401.1	417.0	439.4	474.5	523.8	612.2	741.1	873.1
65°	322.5	323.2	324.6	333.0	342.7	359.4	382.3	417.1	483.8	581.1	697.9
67.5°	262.8	263.7	268.6	271.5	281.7	290.4	303.9	330.5	377.5	443.1	533.9
70°	229.3	228.7	233.5	237.0	240.5	250.9	259.9	281.5	310.7	360.8	436.5
72.5°	198.2	196.4	198.5	199.7	204.4	211.4	220.5	233.7	256.2	290.7	348.7
75°	150.2	150.9	150.9	152.2	155.7	158.5	161.2	168.2	180.7	203.7	235.0
77.5°	105.4	104.2	107.2	107.6	109.7	112.7	115.1	117.9	123.1	132.5	148.6
80°	76.4	76.4	77.1	79.3	78.6	79.9	83.4	86.2	92.5	98.0	103.5
82.5°	58.7	58.1	58.8	59.2	59.1	60.5	61.7	62.2	64.6	67.4	71.3
85°	32.0	32.0	32.6	32.6	33.3	33.3	34.1	34.1	34.1	34.8	35.5
87.5°	16.3	15.8	15.1	15.1	15.6	16.3	15.6	14.9	14.7	14.5	14.7
90°	20.5	20.5	19.6	19.6	19.6	17.8	16.9	16.1	15.2	14.3	12.5
92.5°	56.8	58.2	59.5	61.6	73.0	86.1	114.5	157.7	232.3	287.0	291.6
95°	209.2	223.5	230.6	257.3	320.5	395.2	504.7	640.1	771.8	788.7	643.6
97.5°	505.6	517.0	542.8	592.7	647.6	751.6	858.3	953.2	976.5	842.3	574.7
100°	694.4	708.6	741.5	805.6	867.0	959.6	1051.3	1094.9	1026.4	803.8	512.7
102.5°	905.1	915.8	951.6	997.2	1062.8	1125.5	1169.5	1142.6	996.5	736.2	465.7
105°	1179.5	1190.2	1208.0	1237.3	1265.8	1275.6	1236.4	1114.5	900.9	645.3	420.2
107.5°	1325.1	1332.2	1338.1	1338.3	1323.8	1277.4	1176.8	1014.1	803.3	582.9	400.9
110°	1373.5	1373.5	1367.3	1350.4	1310.4	1234.7	1109.1	940.0	747.7	553.7	395.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1367.8	1361.5	1345.9	1316.9	1258.4	1169.1	1042.2	881.6	706.4	536.6	395.2
115°	1313.9	1302.3	1277.4	1234.7	1165.2	1068.2	946.3	808.2	661.4	518.1	397.9
117.5°	1219.3	1212.2	1187.5	1143.4	1073.9	984.9	879.9	760.9	634.5	509.0	403.8
120°	1158.2	1151.0	1126.9	1084.2	1018.3	940.0	842.1	735.3	619.6	504.7	409.5
122.5°	1104.0	1097.6	1073.5	1034.4	975.6	902.2	815.0	716.0	606.7	501.1	414.5
125°	1035.3	1026.4	1006.7	970.3	920.4	856.3	778.9	688.1	589.3	496.7	422.8
127.5°	976.5	972.6	954.0	921.9	876.6	816.6	744.4	659.6	573.3	494.5	432.3
130°	944.5	939.1	921.3	892.0	847.5	789.6	720.1	641.9	562.6	493.1	438.0
132.5°	912.4	906.3	890.0	860.6	816.1	760.4	697.3	624.0	554.0	493.1	444.3
135°	859.9	854.5	838.6	809.1	770.0	719.3	662.3	600.8	543.9	493.1	453.1
137.5°	803.8	798.0	783.2	756.4	721.4	678.3	631.0	581.3	534.8	494.2	461.1
140°	764.6	760.2	746.9	723.7	690.8	653.4	612.4	570.6	530.6	494.9	464.7
142.5°	728.3	724.6	711.9	692.4	664.4	632.0	596.7	561.3	527.0	495.6	466.8
145°	678.3	674.8	664.9	649.8	628.5	604.4	576.8	549.2	521.7	494.9	469.1
147.5°	636.0	634.4	628.7	616.5	599.6	581.5	560.3	537.9	516.1	492.6	470.0
150°	612.4	611.5	608.0	597.3	584.0	567.9	551.0	531.5	511.8	490.4	470.0
152.5°	593.9	593.0	589.5	580.9	569.7	557.2	541.7	524.3	506.8	487.7	469.3
155°	568.8	567.9	565.3	559.0	550.1	540.4	527.9	513.6	498.5	482.5	467.3
157.5°	546.4	546.5	544.0	539.0	532.0	524.3	514.7	502.9	490.6	477.2	465.0
160°	531.5	532.4	530.6	526.1	519.9	513.6	504.7	495.8	484.3	473.6	462.9
162.5°	517.9	518.1	517.7	514.0	509.2	503.6	496.1	488.0	478.6	469.3	460.7
165°	498.5	498.5	498.5	496.7	493.1	488.7	483.4	477.2	470.0	462.9	457.5
167.5°	480.7	480.9	481.6	480.0	478.2	475.0	470.9	466.8	461.6	456.6	452.5
170°	470.0	470.9	470.9	470.0	468.2	466.5	463.8	461.1	456.6	453.1	450.4
172.5°	460.0	460.9	462.4	460.7	460.4	459.3	457.4	454.7	451.7	448.8	447.5
175°	447.7	448.6	450.4	449.5	449.5	449.5	447.7	447.7	445.1	444.2	444.2
177.5°	441.5	441.5	443.6	442.9	443.6	443.6	443.6	442.9	442.2	441.5	441.5
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1740.0	1736.1	1728.8	1722.2	1713.9	1706.6	1701.6	1695.5	1687.7	1678.3	1670.4
5°	1816.9	1801.7	1781.5	1764.2	1742.0	1724.6	1706.5	1689.1	1671.7	1649.5	1630.0
7.5°	1902.4	1870.8	1840.0	1801.4	1766.4	1735.1	1705.0	1674.6	1644.8	1613.3	1582.9
10°	1954.6	1916.4	1874.0	1825.3	1780.8	1738.5	1699.5	1661.3	1621.0	1585.6	1547.3
12.5°	2003.6	1954.2	1905.7	1844.2	1790.8	1739.0	1689.5	1641.8	1598.7	1552.7	1511.7
15°	2047.7	1999.1	1944.9	1869.8	1795.5	1732.9	1674.5	1612.7	1559.1	1507.7	1461.8
17.5°	2064.8	2013.8	1950.9	1878.7	1797.4	1718.7	1643.5	1575.7	1512.7	1452.8	1401.1
20°	2058.2	2008.8	1944.2	1875.4	1788.5	1706.5	1625.1	1550.1	1479.9	1416.6	1361.7
22.5°	2042.1	1991.0	1928.6	1855.9	1773.4	1686.5	1599.6	1519.5	1445.9	1380.5	1320.5
25°	2017.9	1948.4	1884.5	1813.5	1735.0	1648.8	1559.1	1470.8	1392.3	1325.5	1260.3
27.5°	1992.7	1905.9	1824.6	1754.2	1671.2	1594.3	1507.8	1417.3	1334.7	1266.8	1199.7
30°	1969.9	1872.6	1782.9	1703.0	1624.4	1551.5	1469.5	1381.2	1296.4	1226.2	1158.1
32.5°	1941.5	1838.1	1739.5	1647.3	1571.6	1499.2	1425.0	1340.6	1258.0	1185.5	1116.3
35°	1905.9	1773.9	1666.9	1568.9	1484.7	1414.5	1347.8	1279.7	1196.9	1121.9	1054.4
37.5°	1859.2	1709.4	1585.6	1478.7	1390.1	1319.6	1266.9	1204.6	1129.1	1057.2	994.7
40°	1830.9	1662.7	1527.1	1421.5	1328.3	1253.9	1204.6	1151.8	1083.0	1015.6	953.0
42.5°	1793.1	1619.9	1468.2	1358.1	1264.4	1192.8	1142.9	1096.7	1039.0	975.5	908.5
45°	1719.0	1536.9	1377.7	1259.5	1165.0	1094.8	1048.2	1007.2	963.4	905.0	846.6
47.5°	1622.5	1450.3	1283.7	1154.7	1062.1	996.9	951.7	919.4	888.1	838.4	781.7
50°	1545.2	1379.1	1216.4	1091.3	992.6	930.8	888.3	862.6	834.1	788.9	741.6
52.5°	1454.0	1305.6	1146.4	1018.4	925.3	867.4	826.6	800.9	777.4	740.6	695.5
55°	1310.3	1180.3	1034.3	918.2	832.8	774.4	735.4	711.1	697.2	665.9	630.4
57.5°	1144.4	1051.2	922.6	810.7	735.0	677.3	648.8	628.1	612.4	590.3	565.3
60°	1028.8	963.4	848.0	741.6	672.2	617.2	591.6	574.2	559.5	540.8	521.3
62.5°	911.4	863.9	763.5	672.2	608.2	562.2	538.1	522.5	505.6	492.9	474.0
65°	754.2	711.8	642.3	570.7	511.6	474.7	457.4	443.4	433.0	419.1	405.9
67.5°	586.7	569.4	521.5	472.1	429.7	396.9	381.9	372.2	359.6	351.3	342.2
70°	483.8	475.5	441.4	408.8	369.1	346.9	333.0	328.8	313.5	305.1	298.9
72.5°	392.6	388.7	369.1	346.4	318.5	299.0	286.2	281.5	271.8	265.1	261.1
75°	269.0	270.4	266.9	252.4	241.9	229.3	218.3	215.4	208.6	203.0	199.5
77.5°	170.1	177.3	177.5	176.8	172.6	165.1	160.4	158.4	151.5	149.5	148.6
80°	116.8	124.4	131.3	130.6	129.3	127.2	123.8	121.6	118.2	116.1	114.7
82.5°	77.8	85.0	90.8	94.5	94.3	92.2	89.8	88.8	88.1	86.6	86.3
85°	36.8	38.3	40.3	45.2	48.7	49.3	48.7	48.0	45.8	46.5	47.3
87.5°	15.1	14.7	15.2	14.8	13.8	16.3	17.6	18.0	17.0	16.3	15.5
90°	11.6	9.8	8.9	7.1	5.4	3.6	1.8	0.9	1.8	3.6	5.4
92.5°	203.1	121.6	73.0	47.0	31.7	20.7	13.2	10.9	13.2	20.7	31.7
95°	397.9	202.1	106.8	66.8	47.2	37.4	30.2	29.3	30.2	37.4	47.2
97.5°	317.6	174.2	111.1	82.2	64.6	54.8	49.8	48.8	49.8	54.8	64.6
100°	288.4	172.7	121.1	94.3	77.4	67.7	64.1	62.3	64.1	67.7	77.4
102.5°	276.3	179.1	133.1	107.2	91.7	81.1	78.3	77.3	78.3	81.1	91.7
105°	271.5	192.3	153.1	128.2	114.0	105.0	100.6	100.6	100.6	105.0	114.0
107.5°	279.7	211.9	174.0	151.5	136.7	129.4	125.2	123.4	125.2	129.4	136.7
110°	287.5	226.1	189.6	166.5	153.1	145.1	141.5	139.7	141.5	145.1	153.1





TEST NUMBER: P333630-940

CATALOG NUMBER: S125RDIP-S1270D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	297.5	239.6	204.6	182.1	168.8	160.8	157.9	156.1	157.9	160.8	168.8
115°	312.5	260.8	227.9	205.6	192.3	184.2	181.6	179.9	181.6	184.2	192.3
117.5°	329.6	282.6	251.4	229.9	214.7	206.7	203.8	201.2	203.8	206.7	214.7
120°	340.9	298.2	267.1	244.8	229.7	221.7	218.1	215.4	218.1	221.7	229.7
122.5°	353.7	313.2	282.0	259.8	243.2	235.1	232.3	230.4	232.3	235.1	243.2
125°	371.2	333.0	303.5	280.4	263.5	255.5	251.0	249.2	251.0	255.5	263.5
127.5°	387.2	352.0	323.7	300.5	282.6	272.4	266.7	264.0	266.7	272.4	282.6
130°	397.9	364.1	336.4	313.3	294.6	283.1	276.0	273.3	276.0	283.1	294.6
132.5°	407.2	375.5	347.9	324.8	305.3	292.3	283.7	280.4	283.7	292.3	305.3
135°	420.2	390.7	363.2	339.1	320.5	306.2	295.5	291.9	295.5	306.2	320.5
137.5°	429.8	401.6	376.6	351.8	333.5	319.2	309.2	306.6	309.2	319.2	333.5
140°	436.2	409.5	383.7	359.6	342.7	328.5	317.8	315.1	317.8	328.5	342.7
142.5°	439.7	414.5	390.0	367.5	351.2	337.0	327.1	325.1	327.1	337.0	351.2
145°	445.1	422.8	399.7	379.2	363.2	350.7	341.8	340.0	341.8	350.7	363.2
147.5°	448.3	428.2	407.9	389.9	376.0	364.4	356.8	355.7	356.8	364.4	376.0
150°	450.4	431.8	412.1	397.0	384.6	373.0	366.8	365.0	366.8	373.0	384.6
152.5°	451.8	435.3	417.1	403.4	391.6	381.6	376.0	375.0	376.0	381.6	391.6
155°	453.1	438.8	423.7	411.3	402.3	393.4	388.1	388.1	388.1	393.4	402.3
157.5°	454.0	441.8	428.9	419.5	411.6	403.9	399.7	399.8	399.7	403.9	411.6
160°	454.0	443.3	431.8	423.7	416.6	410.4	406.8	407.7	406.8	410.4	416.6
162.5°	453.3	444.7	434.6	428.0	422.3	416.8	413.2	414.1	413.2	416.8	422.3
165°	452.2	445.1	438.0	432.7	429.1	424.6	422.0	423.7	422.0	424.6	429.1
167.5°	450.0	445.1	439.2	435.9	433.4	430.9	429.3	430.2	429.3	430.9	433.4
170°	448.6	445.1	440.6	438.0	436.2	434.4	433.5	434.4	433.5	434.4	436.2
172.5°	447.2	444.3	440.6	439.3	438.3	436.6	435.7	437.3	435.7	436.6	438.3
175°	445.1	443.3	440.6	440.6	440.6	439.7	438.8	440.6	438.8	439.7	440.6
177.5°	442.9	442.2	440.8	440.8	441.5	440.8	440.8	442.2	440.8	440.8	441.5
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



TEST NUMBER: P333630-940

CATALOG NUMBER: S125RDIP-S1270D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1664.9	1657.2	1651.5	1640.4	1632.6	1629.3	1623.2	1621.5	1627.6	1623.2	1622.6
5°	1615.4	1595.3	1579.3	1563.3	1545.9	1534.8	1518.1	1515.3	1511.2	1504.9	1503.5
7.5°	1556.0	1529.8	1509.2	1482.8	1459.8	1441.4	1420.5	1410.6	1405.2	1397.1	1386.3
10°	1516.0	1484.7	1457.0	1430.5	1402.0	1379.1	1358.3	1342.2	1331.8	1322.1	1317.9
12.5°	1476.5	1444.7	1409.1	1377.2	1345.3	1319.6	1296.5	1286.1	1274.5	1263.1	1253.4
15°	1415.2	1372.8	1333.9	1297.1	1270.0	1242.2	1219.9	1204.6	1187.2	1182.4	1163.6
17.5°	1350.1	1308.6	1263.0	1224.2	1192.8	1162.2	1137.7	1120.3	1107.3	1089.4	1080.8
20°	1309.6	1260.3	1215.8	1180.3	1145.5	1109.4	1084.3	1069.8	1057.2	1042.7	1035.7
22.5°	1266.2	1218.0	1172.3	1130.8	1095.5	1059.9	1042.1	1027.0	1012.7	999.3	990.1
25°	1202.6	1153.9	1105.9	1062.8	1026.0	1000.2	979.4	962.0	954.4	941.2	931.4
27.5°	1139.5	1087.8	1038.0	995.1	966.2	940.8	923.6	909.9	896.1	884.6	876.1
30°	1098.9	1046.2	991.9	957.9	927.3	902.9	884.1	870.9	860.5	850.1	843.8
32.5°	1058.4	1003.9	955.7	918.9	890.0	869.0	849.7	837.0	826.1	814.5	807.2
35°	993.3	937.7	898.8	862.6	834.1	814.7	801.5	783.4	774.4	766.0	758.3
37.5°	932.8	881.1	839.0	807.3	782.6	763.2	746.1	736.4	725.2	717.7	711.4
40°	888.3	841.1	802.8	769.5	751.4	729.9	713.9	701.3	693.0	683.3	676.4
42.5°	848.3	804.4	767.2	737.3	714.7	696.5	681.1	668.5	658.0	651.0	645.2
45°	791.8	748.0	711.8	683.9	663.2	645.8	629.7	623.5	609.6	601.3	598.5
47.5°	733.2	694.0	659.1	633.5	612.1	595.7	580.7	567.9	560.3	552.1	547.6
50°	693.8	656.2	623.5	598.5	577.7	559.5	545.6	537.3	526.9	519.2	513.7
52.5°	654.2	619.5	586.8	562.8	544.8	526.7	511.2	502.8	492.9	488.1	484.2
55°	597.8	561.0	533.2	509.5	490.7	474.0	459.5	451.1	444.9	440.0	438.6
57.5°	533.9	504.6	478.8	457.5	438.0	422.3	409.6	401.6	396.1	395.4	391.2
60°	492.1	465.7	442.1	419.1	402.4	387.9	376.7	367.7	362.1	361.4	360.1
62.5°	450.4	425.1	403.1	383.0	368.0	353.9	343.4	333.2	329.9	326.5	323.3
65°	388.5	365.6	347.6	331.5	315.6	303.7	293.4	287.0	279.5	275.3	267.6
67.5°	327.8	310.0	292.7	279.2	266.6	255.4	246.7	237.5	232.3	229.0	223.4
70°	287.8	273.8	256.5	241.9	232.2	223.1	216.2	205.7	202.2	199.5	196.7
72.5°	249.9	237.7	223.1	211.3	201.6	193.1	185.0	180.1	176.7	173.9	172.3
75°	196.7	184.9	172.4	164.1	157.1	150.2	146.0	142.5	141.1	140.4	137.6
77.5°	144.5	138.2	128.1	121.5	116.9	114.1	110.4	108.6	108.4	105.4	104.4
80°	110.5	107.0	98.7	95.9	92.5	89.7	87.6	84.1	80.6	79.3	77.1
82.5°	82.1	78.6	75.3	70.9	67.9	66.3	64.2	63.0	63.4	61.4	60.5
85°	43.8	40.3	39.0	38.3	36.8	38.3	37.5	36.8	36.1	35.5	36.1
87.5°	15.3	15.7	15.3	16.8	15.2	16.2	16.4	16.0	16.1	16.3	16.1
90°	7.1	8.9	9.8	11.6	12.5	14.3	15.2	16.1	16.9	17.8	19.6
92.5°	47.0	73.0	121.6	203.1	291.6	287.0	232.3	157.7	114.5	86.1	73.0
95°	66.8	106.8	202.1	397.9	643.6	788.7	771.8	640.1	504.7	395.2	320.5
97.5°	82.2	111.1	174.2	317.6	574.7	842.3	976.5	953.2	858.3	751.6	647.6
100°	94.3	121.1	172.7	288.4	512.7	803.8	1026.4	1094.9	1051.3	959.6	867.0
102.5°	107.2	133.1	179.1	276.3	465.7	736.2	996.5	1142.6	1169.5	1125.5	1062.8
105°	128.2	153.1	192.3	271.5	420.2	645.3	900.9	1114.5	1236.4	1275.6	1265.8
107.5°	151.5	174.0	211.9	279.7	400.9	582.9	803.3	1014.1	1176.8	1277.4	1323.8
110°	166.5	189.6	226.1	287.5	395.2	553.7	747.7	940.0	1109.1	1234.7	1310.4



TEST NUMBER: P333630-940

CATALOG NUMBER: S125RDIP-S1270D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	182.1	204.6	239.6	297.5	395.2	536.6	706.4	881.6	1042.2	1169.1	1258.4
115°	205.6	227.9	260.8	312.5	397.9	518.1	661.4	808.2	946.3	1068.2	1165.2
117.5°	229.9	251.4	282.6	329.6	403.8	509.0	634.5	760.9	879.9	984.9	1073.9
120°	244.8	267.1	298.2	340.9	409.5	504.7	619.6	735.3	842.1	940.0	1018.3
122.5°	259.8	282.0	313.2	353.7	414.5	501.1	606.7	716.0	815.0	902.2	975.6
125°	280.4	303.5	333.0	371.2	422.8	496.7	589.3	688.1	778.9	856.3	920.4
127.5°	300.5	323.7	352.0	387.2	432.3	494.5	573.3	659.6	744.4	816.6	876.6
130°	313.3	336.4	364.1	397.9	438.0	493.1	562.6	641.9	720.1	789.6	847.5
132.5°	324.8	347.9	375.5	407.2	444.3	493.1	554.0	624.0	697.3	760.4	816.1
135°	339.1	363.2	390.7	420.2	453.1	493.1	543.9	600.8	662.3	719.3	770.0
137.5°	351.8	376.6	401.6	429.8	461.1	494.2	534.8	581.3	631.0	678.3	721.4
140°	359.6	383.7	409.5	436.2	464.7	494.9	530.6	570.6	612.4	653.4	690.8
142.5°	367.5	390.0	414.5	439.7	466.8	495.6	527.0	561.3	596.7	632.0	664.4
145°	379.2	399.7	422.8	445.1	469.1	494.9	521.7	549.2	576.8	604.4	628.5
147.5°	389.9	407.9	428.2	448.3	470.0	492.6	516.1	537.9	560.3	581.5	599.6
150°	397.0	412.1	431.8	450.4	470.0	490.4	511.8	531.5	551.0	567.9	584.0
152.5°	403.4	417.1	435.3	451.8	469.3	487.7	506.8	524.3	541.7	557.2	569.7
155°	411.3	423.7	438.8	453.1	467.3	482.5	498.5	513.6	527.9	540.4	550.1
157.5°	419.5	428.9	441.8	454.0	465.0	477.2	490.6	502.9	514.7	524.3	532.0
160°	423.7	431.8	443.3	454.0	462.9	473.6	484.3	495.8	504.7	513.6	519.9
162.5°	428.0	434.6	444.7	453.3	460.7	469.3	478.6	488.0	496.1	503.6	509.2
165°	432.7	438.0	445.1	452.2	457.5	462.9	470.0	477.2	483.4	488.7	493.1
167.5°	435.9	439.2	445.1	450.0	452.5	456.6	461.6	466.8	470.9	475.0	478.2
170°	438.0	440.6	445.1	448.6	450.4	453.1	456.6	461.1	463.8	466.5	468.2
172.5°	439.3	440.6	444.3	447.2	447.5	448.8	451.7	454.7	457.4	459.3	460.4
175°	440.6	440.6	443.3	445.1	444.2	444.2	445.1	447.7	447.7	449.5	449.5
177.5°	440.8	440.8	442.2	442.9	441.5	441.5	442.2	442.9	443.6	443.6	443.6
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



TEST NUMBER: P333630-940

CATALOG NUMBER: S125RDIP-S1270D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1622.1	1616.0	1614.3	1616.5	1614.3	1616.0	1622.1	1622.6	1623.2	1627.6	1621.5
5°	1496.6	1489.6	1493.1	1491.7	1493.1	1489.6	1496.6	1503.5	1504.9	1511.2	1515.3
7.5°	1386.2	1377.5	1368.3	1371.3	1368.3	1377.5	1386.2	1386.3	1397.1	1405.2	1410.6
10°	1308.9	1301.9	1297.7	1301.2	1297.7	1301.9	1308.9	1317.9	1322.1	1331.8	1342.2
12.5°	1243.8	1239.7	1236.0	1234.5	1236.0	1239.7	1243.8	1253.4	1263.1	1274.5	1286.1
15°	1155.2	1146.9	1143.4	1134.4	1143.4	1146.9	1155.2	1163.6	1182.4	1187.2	1204.6
17.5°	1073.6	1070.9	1061.8	1057.9	1061.8	1070.9	1073.6	1080.8	1089.4	1107.3	1120.3
20°	1025.3	1022.5	1013.4	1019.0	1013.4	1022.5	1025.3	1035.7	1042.7	1057.2	1069.8
22.5°	985.3	979.1	976.2	974.6	976.2	979.1	985.3	990.1	999.3	1012.7	1027.0
25°	928.6	919.6	916.1	912.0	916.1	919.6	928.6	931.4	941.2	954.4	962.0
27.5°	872.2	867.4	862.7	861.7	862.7	867.4	872.2	876.1	884.6	896.1	909.9
30°	835.5	830.6	827.2	827.2	827.2	830.6	835.5	843.8	850.1	860.5	870.9
32.5°	802.7	799.0	795.5	795.0	795.5	799.0	802.7	807.2	814.5	826.1	837.0
35°	754.9	749.3	748.0	743.8	748.0	749.3	754.9	758.3	766.0	774.4	783.4
37.5°	705.3	700.6	700.5	700.1	700.5	700.6	705.3	711.4	717.7	725.2	736.4
40°	673.5	670.0	669.4	664.5	669.4	670.0	673.5	676.4	683.3	693.0	701.3
42.5°	639.6	637.8	635.4	633.4	635.4	637.8	639.6	645.2	651.0	658.0	668.5
45°	593.6	588.7	588.7	585.2	588.7	588.7	593.6	598.5	601.3	609.6	623.5
47.5°	546.1	542.3	542.7	539.1	542.7	542.3	546.1	547.6	552.1	560.3	567.9
50°	514.3	512.3	511.6	510.2	511.6	512.3	514.3	513.7	519.2	526.9	537.3
52.5°	482.7	481.7	484.4	481.3	484.4	481.7	482.7	484.2	488.1	492.9	502.8
55°	440.0	437.9	442.1	437.9	442.1	437.9	440.0	438.6	440.0	444.9	451.1
57.5°	390.9	389.0	392.7	390.7	392.7	389.0	390.9	391.2	395.4	396.1	401.6
60°	358.6	354.5	356.6	357.3	356.6	354.5	358.6	360.1	361.4	362.1	367.7
62.5°	320.3	317.8	319.3	316.1	319.3	317.8	320.3	323.3	326.5	329.9	333.2
65°	266.3	264.1	261.4	259.9	261.4	264.1	266.3	267.6	275.3	279.5	287.0
67.5°	223.6	218.6	218.6	219.6	218.6	218.6	223.6	223.4	229.0	232.3	237.5
70°	192.5	192.5	191.8	191.8	191.8	192.5	192.5	196.7	199.5	202.2	205.7
72.5°	170.9	170.3	169.1	168.5	169.1	170.3	170.9	172.3	173.9	176.7	180.1
75°	137.6	138.3	137.0	136.3	137.0	138.3	137.6	137.6	140.4	141.1	142.5
77.5°	101.7	98.7	100.2	98.7	100.2	98.7	101.7	104.4	105.4	108.4	108.6
80°	77.1	76.4	78.6	76.4	78.6	76.4	77.1	77.1	79.3	80.6	84.1
82.5°	61.0	60.4	61.3	59.7	61.3	60.4	61.0	60.5	61.4	63.4	63.0
85°	36.8	36.1	35.5	36.1	35.5	36.1	36.8	36.1	35.5	36.1	36.8
87.5°	16.7	16.1	16.3	16.3	16.3	16.1	16.7	16.1	16.3	16.1	16.0
90°	19.6	19.6	20.5	20.5	20.5	19.6	19.6	19.6	17.8	16.9	16.1
92.5°	61.6	59.5	58.2	56.8	58.2	59.5	61.6	73.0	86.1	114.5	157.7
95°	257.3	230.6	223.5	209.2	223.5	230.6	257.3	320.5	395.2	504.7	640.1
97.5°	592.7	542.8	517.0	505.6	517.0	542.8	592.7	647.6	751.6	858.3	953.2
100°	805.6	741.5	708.6	694.4	708.6	741.5	805.6	867.0	959.6	1051.3	1094.9
102.5°	997.2	951.6	915.8	905.1	915.8	951.6	997.2	1062.8	1125.5	1169.5	1142.6
105°	1237.3	1208.0	1190.2	1179.5	1190.2	1208.0	1237.3	1265.8	1275.6	1236.4	1114.5
107.5°	1338.3	1338.1	1332.2	1325.1	1332.2	1338.1	1338.3	1323.8	1277.4	1176.8	1014.1
110°	1350.4	1367.3	1373.5	1373.5	1373.5	1367.3	1350.4	1310.4	1234.7	1109.1	940.0



TEST NUMBER: P333630-940

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1316.9	1345.9	1361.5	1367.8	1361.5	1345.9	1316.9	1258.4	1169.1	1042.2	881.6
115°	1234.7	1277.4	1302.3	1313.9	1302.3	1277.4	1234.7	1165.2	1068.2	946.3	808.2
117.5°	1143.4	1187.5	1212.2	1219.3	1212.2	1187.5	1143.4	1073.9	984.9	879.9	760.9
120°	1084.2	1126.9	1151.0	1158.2	1151.0	1126.9	1084.2	1018.3	940.0	842.1	735.3
122.5°	1034.4	1073.5	1097.6	1104.0	1097.6	1073.5	1034.4	975.6	902.2	815.0	716.0
125°	970.3	1006.7	1026.4	1035.3	1026.4	1006.7	970.3	920.4	856.3	778.9	688.1
127.5°	921.9	954.0	972.6	976.5	972.6	954.0	921.9	876.6	816.6	744.4	659.6
130°	892.0	921.3	939.1	944.5	939.1	921.3	892.0	847.5	789.6	720.1	641.9
132.5°	860.6	890.0	906.3	912.4	906.3	890.0	860.6	816.1	760.4	697.3	624.0
135°	809.1	838.6	854.5	859.9	854.5	838.6	809.1	770.0	719.3	662.3	600.8
137.5°	756.4	783.2	798.0	803.8	798.0	783.2	756.4	721.4	678.3	631.0	581.3
140°	723.7	746.9	760.2	764.6	760.2	746.9	723.7	690.8	653.4	612.4	570.6
142.5°	692.4	711.9	724.6	728.3	724.6	711.9	692.4	664.4	632.0	596.7	561.3
145°	649.8	664.9	674.8	678.3	674.8	664.9	649.8	628.5	604.4	576.8	549.2
147.5°	616.5	628.7	634.4	636.0	634.4	628.7	616.5	599.6	581.5	560.3	537.9
150°	597.3	608.0	611.5	612.4	611.5	608.0	597.3	584.0	567.9	551.0	531.5
152.5°	580.9	589.5	593.0	593.9	593.0	589.5	580.9	569.7	557.2	541.7	524.3
155°	559.0	565.3	567.9	568.8	567.9	565.3	559.0	550.1	540.4	527.9	513.6
157.5°	539.0	544.0	546.5	546.4	546.5	544.0	539.0	532.0	524.3	514.7	502.9
160°	526.1	530.6	532.4	531.5	532.4	530.6	526.1	519.9	513.6	504.7	495.8
162.5°	514.0	517.7	518.1	517.9	518.1	517.7	514.0	509.2	503.6	496.1	488.0
165°	496.7	498.5	498.5	498.5	498.5	498.5	496.7	493.1	488.7	483.4	477.2
167.5°	480.0	481.6	480.9	480.7	480.9	481.6	480.0	478.2	475.0	470.9	466.8
170°	470.0	470.9	470.9	470.0	470.9	470.9	470.0	468.2	466.5	463.8	461.1
172.5°	460.7	462.4	460.9	460.0	460.9	462.4	460.7	460.4	459.3	457.4	454.7
175°	449.5	450.4	448.6	447.7	448.6	450.4	449.5	449.5	449.5	447.7	447.7
177.5°	442.9	443.6	441.5	441.5	441.5	443.6	442.9	443.6	443.6	443.6	442.9
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



TEST NUMBER: P333630-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1623.2	1629.3	1632.6	1640.4	1651.5	1657.2	1664.9	1670.4	1678.3	1687.7	1695.5
5°	1518.1	1534.8	1545.9	1563.3	1579.3	1595.3	1615.4	1630.0	1649.5	1671.7	1689.1
7.5°	1420.5	1441.4	1459.8	1482.8	1509.2	1529.8	1556.0	1582.9	1613.3	1644.8	1674.6
10°	1358.3	1379.1	1402.0	1430.5	1457.0	1484.7	1516.0	1547.3	1585.6	1621.0	1661.3
12.5°	1296.5	1319.6	1345.3	1377.2	1409.1	1444.7	1476.5	1511.7	1552.7	1598.7	1641.8
15°	1219.9	1242.2	1270.0	1297.1	1333.9	1372.8	1415.2	1461.8	1507.7	1559.1	1612.7
17.5°	1137.7	1162.2	1192.8	1224.2	1263.0	1308.6	1350.1	1401.1	1452.8	1512.7	1575.7
20°	1084.3	1109.4	1145.5	1180.3	1215.8	1260.3	1309.6	1361.7	1416.6	1479.9	1550.1
22.5°	1042.1	1059.9	1095.5	1130.8	1172.3	1218.0	1266.2	1320.5	1380.5	1445.9	1519.5
25°	979.4	1000.2	1026.0	1062.8	1105.9	1153.9	1202.6	1260.3	1325.5	1392.3	1470.8
27.5°	923.6	940.8	966.2	995.1	1038.0	1087.8	1139.5	1199.7	1266.8	1334.7	1417.3
30°	884.1	902.9	927.3	957.9	991.9	1046.2	1098.9	1158.1	1226.2	1296.4	1381.2
32.5°	849.7	869.0	890.0	918.9	955.7	1003.9	1058.4	1116.3	1185.5	1258.0	1340.6
35°	801.5	814.7	834.1	862.6	898.8	937.7	993.3	1054.4	1121.9	1196.9	1279.7
37.5°	746.1	763.2	782.6	807.3	839.0	881.1	932.8	994.7	1057.2	1129.1	1204.6
40°	713.9	729.9	751.4	769.5	802.8	841.1	888.3	953.0	1015.6	1083.0	1151.8
42.5°	681.1	696.5	714.7	737.3	767.2	804.4	848.3	908.5	975.5	1039.0	1096.7
45°	629.7	645.8	663.2	683.9	711.8	748.0	791.8	846.6	905.0	963.4	1007.2
47.5°	580.7	595.7	612.1	633.5	659.1	694.0	733.2	781.7	838.4	888.1	919.4
50°	545.6	559.5	577.7	598.5	623.5	656.2	693.8	741.6	788.9	834.1	862.6
52.5°	511.2	526.7	544.8	562.8	586.8	619.5	654.2	695.5	740.6	777.4	800.9
55°	459.5	474.0	490.7	509.5	533.2	561.0	597.8	630.4	665.9	697.2	711.1
57.5°	409.6	422.3	438.0	457.5	478.8	504.6	533.9	565.3	590.3	612.4	628.1
60°	376.7	387.9	402.4	419.1	442.1	465.7	492.1	521.3	540.8	559.5	574.2
62.5°	343.4	353.9	368.0	383.0	403.1	425.1	450.4	474.0	492.9	505.6	522.5
65°	293.4	303.7	315.6	331.5	347.6	365.6	388.5	405.9	419.1	433.0	443.4
67.5°	246.7	255.4	266.6	279.2	292.7	310.0	327.8	342.2	351.3	359.6	372.2
70°	216.2	223.1	232.2	241.9	256.5	273.8	287.8	298.9	305.1	313.5	328.8
72.5°	185.0	193.1	201.6	211.3	223.1	237.7	249.9	261.1	265.1	271.8	281.5
75°	146.0	150.2	157.1	164.1	172.4	184.9	196.7	199.5	203.0	208.6	215.4
77.5°	110.4	114.1	116.9	121.5	128.1	138.2	144.5	148.6	149.5	151.5	158.4
80°	87.6	89.7	92.5	95.9	98.7	107.0	110.5	114.7	116.1	118.2	121.6
82.5°	64.2	66.3	67.9	70.9	75.3	78.6	82.1	86.3	86.6	88.1	88.8
85°	37.5	38.3	36.8	38.3	39.0	40.3	43.8	47.3	46.5	45.8	48.0
87.5°	16.4	16.2	15.2	16.8	15.3	15.7	15.3	15.5	16.3	17.0	18.0
90°	15.2	14.3	12.5	11.6	9.8	8.9	7.1	5.4	3.6	1.8	0.9
92.5°	232.3	287.0	291.6	203.1	121.6	73.0	47.0	31.7	20.7	13.2	10.9
95°	771.8	788.7	643.6	397.9	202.1	106.8	66.8	47.2	37.4	30.2	29.3
97.5°	976.5	842.3	574.7	317.6	174.2	111.1	82.2	64.6	54.8	49.8	48.8
100°	1026.4	803.8	512.7	288.4	172.7	121.1	94.3	77.4	67.7	64.1	62.3
102.5°	996.5	736.2	465.7	276.3	179.1	133.1	107.2	91.7	81.1	78.3	77.3
105°	900.9	645.3	420.2	271.5	192.3	153.1	128.2	114.0	105.0	100.6	100.6
107.5°	803.3	582.9	400.9	279.7	211.9	174.0	151.5	136.7	129.4	125.2	123.4
110°	747.7	553.7	395.2	287.5	226.1	189.6	166.5	153.1	145.1	141.5	139.7



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	706.4	536.6	395.2	297.5	239.6	204.6	182.1	168.8	160.8	157.9	156.1
115°	661.4	518.1	397.9	312.5	260.8	227.9	205.6	192.3	184.2	181.6	179.9
117.5°	634.5	509.0	403.8	329.6	282.6	251.4	229.9	214.7	206.7	203.8	201.2
120°	619.6	504.7	409.5	340.9	298.2	267.1	244.8	229.7	221.7	218.1	215.4
122.5°	606.7	501.1	414.5	353.7	313.2	282.0	259.8	243.2	235.1	232.3	230.4
125°	589.3	496.7	422.8	371.2	333.0	303.5	280.4	263.5	255.5	251.0	249.2
127.5°	573.3	494.5	432.3	387.2	352.0	323.7	300.5	282.6	272.4	266.7	264.0
130°	562.6	493.1	438.0	397.9	364.1	336.4	313.3	294.6	283.1	276.0	273.3
132.5°	554.0	493.1	444.3	407.2	375.5	347.9	324.8	305.3	292.3	283.7	280.4
135°	543.9	493.1	453.1	420.2	390.7	363.2	339.1	320.5	306.2	295.5	291.9
137.5°	534.8	494.2	461.1	429.8	401.6	376.6	351.8	333.5	319.2	309.2	306.6
140°	530.6	494.9	464.7	436.2	409.5	383.7	359.6	342.7	328.5	317.8	315.1
142.5°	527.0	495.6	466.8	439.7	414.5	390.0	367.5	351.2	337.0	327.1	325.1
145°	521.7	494.9	469.1	445.1	422.8	399.7	379.2	363.2	350.7	341.8	340.0
147.5°	516.1	492.6	470.0	448.3	428.2	407.9	389.9	376.0	364.4	356.8	355.7
150°	511.8	490.4	470.0	450.4	431.8	412.1	397.0	384.6	373.0	366.8	365.0
152.5°	506.8	487.7	469.3	451.8	435.3	417.1	403.4	391.6	381.6	376.0	375.0
155°	498.5	482.5	467.3	453.1	438.8	423.7	411.3	402.3	393.4	388.1	388.1
157.5°	490.6	477.2	465.0	454.0	441.8	428.9	419.5	411.6	403.9	399.7	399.8
160°	484.3	473.6	462.9	454.0	443.3	431.8	423.7	416.6	410.4	406.8	407.7
162.5°	478.6	469.3	460.7	453.3	444.7	434.6	428.0	422.3	416.8	413.2	414.1
165°	470.0	462.9	457.5	452.2	445.1	438.0	432.7	429.1	424.6	422.0	423.7
167.5°	461.6	456.6	452.5	450.0	445.1	439.2	435.9	433.4	430.9	429.3	430.2
170°	456.6	453.1	450.4	448.6	445.1	440.6	438.0	436.2	434.4	433.5	434.4
172.5°	451.7	448.8	447.5	447.2	444.3	440.6	439.3	438.3	436.6	435.7	437.3
175°	445.1	444.2	444.2	445.1	443.3	440.6	440.6	440.6	439.7	438.8	440.6
177.5°	442.2	441.5	441.5	442.9	442.2	440.8	440.8	441.5	440.8	440.8	442.2
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



TEST NUMBER: P333630-940

CATALOG NUMBER: S125RDIP-S1270D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1701.6	1706.6	1713.9	1722.2	1728.8	1736.1	1740.0	1740.0	1743.3	1750.5	1760.0
5°	1706.5	1724.6	1742.0	1764.2	1781.5	1801.7	1816.9	1831.6	1844.8	1861.4	1878.8
7.5°	1705.0	1735.1	1766.4	1801.4	1840.0	1870.8	1902.4	1927.1	1951.6	1983.5	2008.7
10°	1699.5	1738.5	1780.8	1825.3	1874.0	1916.4	1954.6	1989.4	2022.8	2057.5	2088.7
12.5°	1689.5	1739.0	1790.8	1844.2	1905.7	1954.2	2003.6	2040.5	2079.5	2117.5	2156.1
15°	1674.5	1732.9	1795.5	1869.8	1944.9	1999.1	2047.7	2095.7	2131.9	2175.0	2211.8
17.5°	1643.5	1718.7	1797.4	1878.7	1950.9	2013.8	2064.8	2110.5	2148.9	2196.4	2246.4
20°	1625.1	1706.5	1788.5	1875.4	1944.2	2008.8	2058.2	2105.4	2153.4	2215.3	2276.4
22.5°	1599.6	1686.5	1773.4	1855.9	1928.6	1991.0	2042.1	2099.9	2162.8	2233.1	2307.0
25°	1559.1	1648.8	1735.0	1813.5	1884.5	1948.4	2017.9	2095.7	2172.2	2264.7	2371.0
27.5°	1507.8	1594.3	1671.2	1754.2	1824.6	1905.9	1992.7	2077.1	2187.4	2314.5	2447.3
30°	1469.5	1551.5	1624.4	1703.0	1782.9	1872.6	1969.9	2069.3	2200.7	2350.1	2507.9
32.5°	1425.0	1499.2	1571.6	1647.3	1739.5	1838.1	1941.5	2063.2	2220.2	2390.1	2553.5
35°	1347.8	1414.5	1484.7	1568.9	1666.9	1773.9	1905.9	2054.1	2243.8	2426.6	2573.3
37.5°	1266.9	1319.6	1390.1	1478.7	1585.6	1709.4	1859.2	2039.2	2234.1	2398.1	2460.5
40°	1204.6	1253.9	1328.3	1421.5	1527.1	1662.7	1830.9	2015.8	2211.8	2325.8	2320.9
42.5°	1142.9	1192.8	1264.4	1358.1	1468.2	1619.9	1793.1	1985.2	2150.6	2194.1	2103.5
45°	1048.2	1094.8	1165.0	1259.5	1377.7	1536.9	1719.0	1903.2	2008.8	1938.7	1759.3
47.5°	951.7	996.9	1062.1	1154.7	1283.7	1450.3	1622.5	1773.6	1788.5	1637.6	1422.5
50°	888.3	930.8	992.6	1091.3	1216.4	1379.1	1545.2	1664.1	1627.2	1443.1	1221.3
52.5°	826.6	867.4	925.3	1018.4	1146.4	1305.6	1454.0	1547.3	1462.0	1266.2	1066.7
55°	735.4	774.4	832.8	918.2	1034.3	1180.3	1310.3	1344.3	1219.2	1021.8	860.5
57.5°	648.8	677.3	735.0	810.7	922.6	1051.2	1144.4	1138.3	1000.2	822.4	706.8
60°	591.6	617.2	672.2	741.6	848.0	963.4	1028.8	1000.9	861.2	714.5	603.3
62.5°	538.1	562.2	608.2	672.2	763.5	863.9	911.4	873.1	741.1	612.2	523.8
65°	457.4	474.7	511.6	570.7	642.3	711.8	754.2	697.9	581.1	483.8	417.1
67.5°	381.9	396.9	429.7	472.1	521.5	569.4	586.7	533.9	443.1	377.5	330.5
70°	333.0	346.9	369.1	408.8	441.4	475.5	483.8	436.5	360.8	310.7	281.5
72.5°	286.2	299.0	318.5	346.4	369.1	388.7	392.6	348.7	290.7	256.2	233.7
75°	218.3	229.3	241.9	252.4	266.9	270.4	269.0	235.0	203.7	180.7	168.2
77.5°	160.4	165.1	172.6	176.8	177.5	177.3	170.1	148.6	132.5	123.1	117.9
80°	123.8	127.2	129.3	130.6	131.3	124.4	116.8	103.5	98.0	92.5	86.2
82.5°	89.8	92.2	94.3	94.5	90.8	85.0	77.8	71.3	67.4	64.6	62.2
85°	48.7	49.3	48.7	45.2	40.3	38.3	36.8	35.5	34.8	34.1	34.1
87.5°	17.6	16.3	13.8	14.8	15.2	14.7	15.1	14.7	14.5	14.7	14.9
90°	1.8	3.6	5.4	7.1	8.9	9.8	11.6	12.5	14.3	15.2	16.1
92.5°	13.2	20.7	31.7	47.0	73.0	121.6	203.1	291.6	287.0	232.3	157.7
95°	30.2	37.4	47.2	66.8	106.8	202.1	397.9	643.6	788.7	771.8	640.1
97.5°	49.8	54.8	64.6	82.2	111.1	174.2	317.6	574.7	842.3	976.5	953.2
100°	64.1	67.7	77.4	94.3	121.1	172.7	288.4	512.7	803.8	1026.4	1094.9
102.5°	78.3	81.1	91.7	107.2	133.1	179.1	276.3	465.7	736.2	996.5	1142.6
105°	100.6	105.0	114.0	128.2	153.1	192.3	271.5	420.2	645.3	900.9	1114.5
107.5°	125.2	129.4	136.7	151.5	174.0	211.9	279.7	400.9	582.9	803.3	1014.1
110°	141.5	145.1	153.1	166.5	189.6	226.1	287.5	395.2	553.7	747.7	940.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	157.9	160.8	168.8	182.1	204.6	239.6	297.5	395.2	536.6	706.4	881.6
115°	181.6	184.2	192.3	205.6	227.9	260.8	312.5	397.9	518.1	661.4	808.2
117.5°	203.8	206.7	214.7	229.9	251.4	282.6	329.6	403.8	509.0	634.5	760.9
120°	218.1	221.7	229.7	244.8	267.1	298.2	340.9	409.5	504.7	619.6	735.3
122.5°	232.3	235.1	243.2	259.8	282.0	313.2	353.7	414.5	501.1	606.7	716.0
125°	251.0	255.5	263.5	280.4	303.5	333.0	371.2	422.8	496.7	589.3	688.1
127.5°	266.7	272.4	282.6	300.5	323.7	352.0	387.2	432.3	494.5	573.3	659.6
130°	276.0	283.1	294.6	313.3	336.4	364.1	397.9	438.0	493.1	562.6	641.9
132.5°	283.7	292.3	305.3	324.8	347.9	375.5	407.2	444.3	493.1	554.0	624.0
135°	295.5	306.2	320.5	339.1	363.2	390.7	420.2	453.1	493.1	543.9	600.8
137.5°	309.2	319.2	333.5	351.8	376.6	401.6	429.8	461.1	494.2	534.8	581.3
140°	317.8	328.5	342.7	359.6	383.7	409.5	436.2	464.7	494.9	530.6	570.6
142.5°	327.1	337.0	351.2	367.5	390.0	414.5	439.7	466.8	495.6	527.0	561.3
145°	341.8	350.7	363.2	379.2	399.7	422.8	445.1	469.1	494.9	521.7	549.2
147.5°	356.8	364.4	376.0	389.9	407.9	428.2	448.3	470.0	492.6	516.1	537.9
150°	366.8	373.0	384.6	397.0	412.1	431.8	450.4	470.0	490.4	511.8	531.5
152.5°	376.0	381.6	391.6	403.4	417.1	435.3	451.8	469.3	487.7	506.8	524.3
155°	388.1	393.4	402.3	411.3	423.7	438.8	453.1	467.3	482.5	498.5	513.6
157.5°	399.7	403.9	411.6	419.5	428.9	441.8	454.0	465.0	477.2	490.6	502.9
160°	406.8	410.4	416.6	423.7	431.8	443.3	454.0	462.9	473.6	484.3	495.8
162.5°	413.2	416.8	422.3	428.0	434.6	444.7	453.3	460.7	469.3	478.6	488.0
165°	422.0	424.6	429.1	432.7	438.0	445.1	452.2	457.5	462.9	470.0	477.2
167.5°	429.3	430.9	433.4	435.9	439.2	445.1	450.0	452.5	456.6	461.6	466.8
170°	433.5	434.4	436.2	438.0	440.6	445.1	448.6	450.4	453.1	456.6	461.1
172.5°	435.7	436.6	438.3	439.3	440.6	444.3	447.2	447.5	448.8	451.7	454.7
175°	438.8	439.7	440.6	440.6	440.6	443.3	445.1	444.2	444.2	445.1	447.7
177.5°	440.8	440.8	441.5	440.8	440.8	442.2	442.9	441.5	441.5	442.2	442.9
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1767.2	1767.2	1776.6	1776.1	1782.3	1780.0	1781.1
5°	1899.7	1911.6	1922.0	1928.9	1939.3	1942.1	1940.7
7.5°	2037.0	2063.3	2076.1	2093.6	2096.9	2106.0	2105.1
10°	2122.2	2147.9	2167.3	2182.6	2190.2	2200.0	2200.7
12.5°	2188.9	2210.7	2227.9	2242.1	2251.4	2254.5	2256.3
15°	2241.0	2265.3	2285.5	2305.6	2317.5	2326.5	2331.4
17.5°	2293.6	2331.1	2366.7	2394.1	2410.5	2424.4	2424.2
20°	2334.1	2377.2	2421.7	2453.0	2485.0	2498.8	2501.0
22.5°	2377.5	2443.4	2500.7	2549.2	2591.2	2605.7	2611.1
25°	2467.6	2553.8	2642.0	2710.2	2758.9	2787.3	2791.5
27.5°	2576.4	2693.1	2786.0	2848.8	2889.2	2910.4	2915.0
30°	2653.2	2760.9	2844.4	2891.6	2910.4	2913.1	2902.7
32.5°	2687.7	2768.1	2801.5	2798.7	2761.9	2737.5	2728.1
35°	2645.5	2628.9	2547.5	2450.2	2375.9	2328.6	2316.0
37.5°	2407.5	2263.7	2114.1	1967.0	1888.7	1849.0	1780.6
40°	2172.9	1967.8	1812.1	1688.4	1600.1	1529.2	1512.5
42.5°	1908.2	1696.5	1540.8	1434.9	1364.3	1315.7	1294.6
45°	1533.4	1351.3	1222.7	1141.4	1087.2	1051.7	1035.7
47.5°	1226.5	1085.5	991.8	931.6	890.3	859.4	850.8
50°	1057.9	945.3	866.1	815.4	784.1	760.5	750.7
52.5°	918.9	828.0	767.1	725.2	695.6	680.9	672.9
55°	758.3	679.8	636.1	602.6	585.9	574.2	568.6
57.5°	620.2	563.5	531.5	508.4	492.9	485.4	482.7
60°	542.9	498.4	469.2	451.1	440.7	431.0	428.2
62.5°	474.5	439.4	417.0	401.1	390.7	386.5	384.8
65°	382.3	359.4	342.7	333.0	324.6	323.2	322.5
67.5°	303.9	290.4	281.7	271.5	268.6	263.7	262.8
70°	259.9	250.9	240.5	237.0	233.5	228.7	229.3
72.5°	220.5	211.4	204.4	199.7	198.5	196.4	198.2
75°	161.2	158.5	155.7	152.2	150.9	150.9	150.2
77.5°	115.1	112.7	109.7	107.6	107.2	104.2	105.4
80°	83.4	79.9	78.6	79.3	77.1	76.4	76.4
82.5°	61.7	60.5	59.1	59.2	58.8	58.1	58.7
85°	34.1	33.3	33.3	32.6	32.6	32.0	32.0
87.5°	15.6	16.3	15.6	15.1	15.1	15.8	16.3
90°	16.9	17.8	19.6	19.6	19.6	20.5	20.5
92.5°	114.5	86.1	73.0	61.6	59.5	58.2	56.8
95°	504.7	395.2	320.5	257.3	230.6	223.5	209.2
97.5°	858.3	751.6	647.6	592.7	542.8	517.0	505.6
100°	1051.3	959.6	867.0	805.6	741.5	708.6	694.4
102.5°	1169.5	1125.5	1062.8	997.2	951.6	915.8	905.1
105°	1236.4	1275.6	1265.8	1237.3	1208.0	1190.2	1179.5
107.5°	1176.8	1277.4	1323.8	1338.3	1338.1	1332.2	1325.1
110°	1109.1	1234.7	1310.4	1350.4	1367.3	1373.5	1373.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1042.2	1169.1	1258.4	1316.9	1345.9	1361.5	1367.8
115°	946.3	1068.2	1165.2	1234.7	1277.4	1302.3	1313.9
117.5°	879.9	984.9	1073.9	1143.4	1187.5	1212.2	1219.3
120°	842.1	940.0	1018.3	1084.2	1126.9	1151.0	1158.2
122.5°	815.0	902.2	975.6	1034.4	1073.5	1097.6	1104.0
125°	778.9	856.3	920.4	970.3	1006.7	1026.4	1035.3
127.5°	744.4	816.6	876.6	921.9	954.0	972.6	976.5
130°	720.1	789.6	847.5	892.0	921.3	939.1	944.5
132.5°	697.3	760.4	816.1	860.6	890.0	906.3	912.4
135°	662.3	719.3	770.0	809.1	838.6	854.5	859.9
137.5°	631.0	678.3	721.4	756.4	783.2	798.0	803.8
140°	612.4	653.4	690.8	723.7	746.9	760.2	764.6
142.5°	596.7	632.0	664.4	692.4	711.9	724.6	728.3
145°	576.8	604.4	628.5	649.8	664.9	674.8	678.3
147.5°	560.3	581.5	599.6	616.5	628.7	634.4	636.0
150°	551.0	567.9	584.0	597.3	608.0	611.5	612.4
152.5°	541.7	557.2	569.7	580.9	589.5	593.0	593.9
155°	527.9	540.4	550.1	559.0	565.3	567.9	568.8
157.5°	514.7	524.3	532.0	539.0	544.0	546.5	546.4
160°	504.7	513.6	519.9	526.1	530.6	532.4	531.5
162.5°	496.1	503.6	509.2	514.0	517.7	518.1	517.9
165°	483.4	488.7	493.1	496.7	498.5	498.5	498.5
167.5°	470.9	475.0	478.2	480.0	481.6	480.9	480.7
170°	463.8	466.5	468.2	470.0	470.9	470.9	470.0
172.5°	457.4	459.3	460.4	460.7	462.4	460.9	460.0
175°	447.7	449.5	449.5	449.5	450.4	448.6	447.7
177.5°	443.6	443.6	443.6	442.9	443.6	441.5	441.5
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5

(END OF REPORT)