

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: P333279-940

Luminaire Tested: **S125DIP-S1090D1035U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

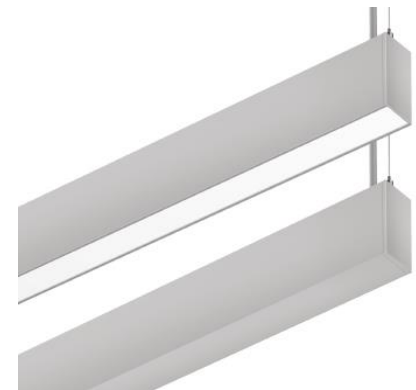
Test Information

Test Method: LM-79-08
Report Number: P333279-940
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: S125DIP-S1090D1035U940-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7314.8 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

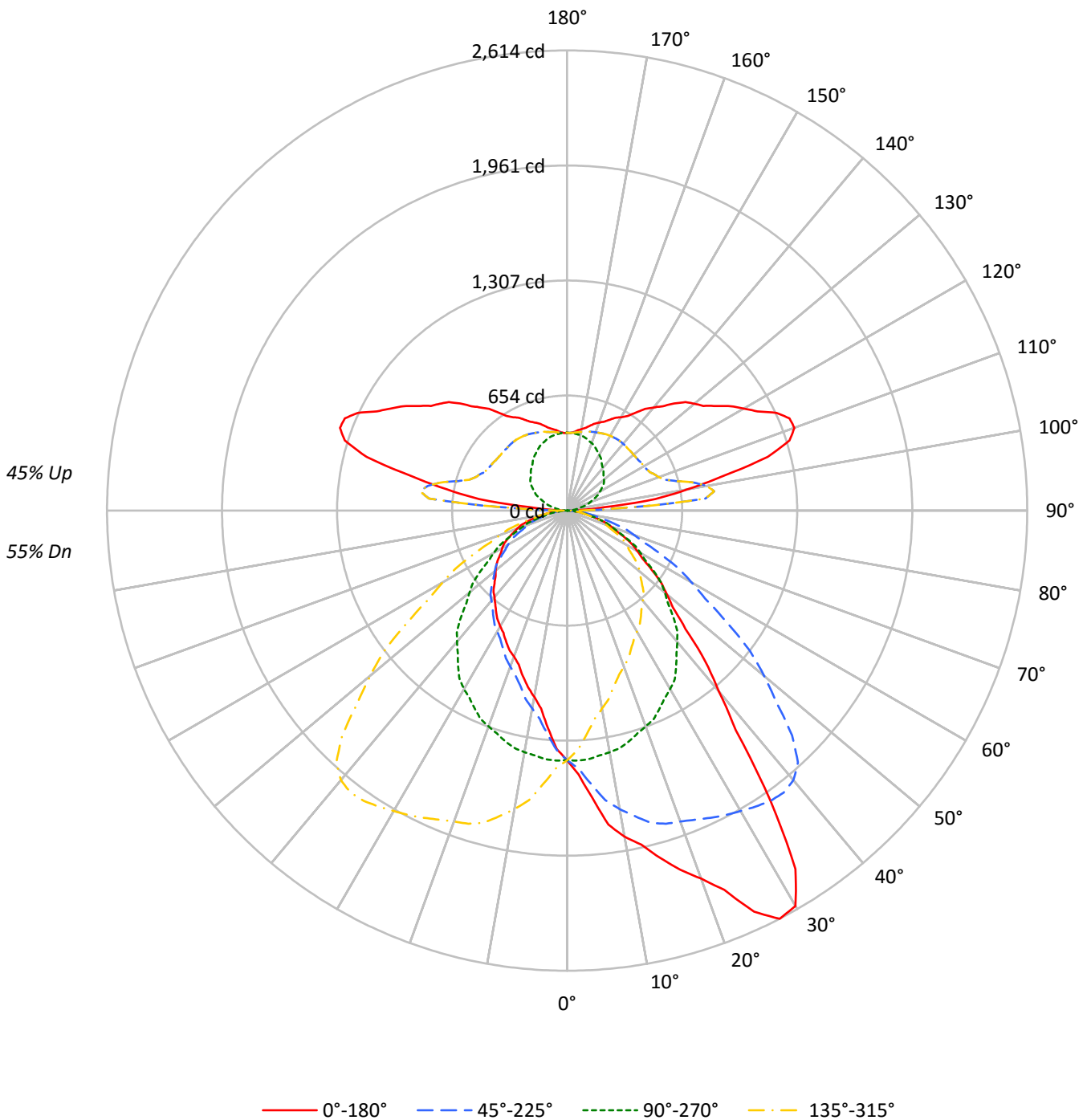
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	86	86	73	73	73	60	60	60	55
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	53	52	47
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	39
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	42	40	37	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	32	29
5	70	58	50	44	64	54	47	42	47	41	37	40	36	33	34	31	28	25
6	64	52	44	38	59	49	41	36	42	37	32	37	32	29	31	28	25	22
7	59	47	39	33	55	44	37	32	39	33	29	33	29	25	28	25	22	20
8	55	43	35	30	51	40	33	28	35	29	25	30	26	23	26	23	20	18
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	24	21	18	16
10	48	36	29	24	44	34	27	23	30	24	20	26	21	18	22	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9158	9158	9158	9158
5°	10605	9189	8045	9189
10°	12338	9141	7050	9141
15°	13658	9074	6503	9074
20°	15289	8968	6064	8968
25°	17910	8848	5850	8848
30°	19345	8730	5665	8730
35°	15906	8508	5542	8508
40°	11306	8200	5409	8200
45°	8685	7784	5332	7784
50°	7414	7268	5322	7268
55°	6600	6764	5368	6764
60°	5955	6212	5504	6212
65°	5500	5656	5647	5656
70°	5000	5080	5729	5080
75°	4414	4474	5677	4474
80°	3715	3649	5192	3649
85°	2942	2631	4187	2631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	1.9
10°-20°	406.4	5.6
20°-30°	660.0	9.0
30°-40°	805.0	11.0
40°-50°	732.3	10.0
50°-60°	583.3	8.0
60°-70°	406.3	5.6
70°-80°	216.7	3.0
80°-90°	57.1	0.8
90°-100°	320.0	4.4
100°-110°	688.0	9.4
110°-120°	645.7	8.8
120°-130°	523.3	7.2
130°-140°	419.9	5.7
140°-150°	316.9	4.3
150°-160°	223.1	3.0
160°-170°	131.5	1.8
170°-180°	42.8	0.6
0°-30°	1202.9	16.4
0°-40°	2008.0	27.5
0°-60°	3323.6	45.4
0°-90°	4003.7	54.7
90°-120°	1653.7	22.6
90°-150°	2913.7	39.8
90°-180°	3311.0	45.3
0°-180°	7314.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1418	1418	1418	1418	1418	
5°	1636	1417	1241	1417	1636	165
15°	2043	1357	973	1357	2043	585
25°	2513	1242	821	1242	2513	1148
35°	2017	1079	703	1079	2017	1235
45°	951	852	584	852	951	761
55°	586	601	477	601	586	528
65°	360	370	370	370	360	357
75°	177	179	228	179	177	191
85°	40	36	56	36	40	46
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°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1499.9	1497.9	1496.0	1492.1	1495.0	1486.8	1483.0	1476.2	1468.0	1465.2	1461.8
5°	1635.8	1638.9	1641.9	1629.2	1630.4	1622.0	1602.8	1587.1	1574.5	1558.2	1546.8
7.5°	1799.6	1792.4	1791.9	1783.7	1769.6	1758.3	1738.0	1712.3	1687.4	1658.9	1635.5
10°	1881.4	1882.0	1876.6	1867.0	1851.9	1841.1	1814.6	1789.3	1758.6	1722.5	1696.7
12.5°	1943.0	1945.5	1938.8	1925.7	1918.3	1894.1	1873.4	1843.3	1806.8	1777.9	1738.6
15°	2042.7	2036.1	2031.3	2015.0	2002.4	1977.1	1944.0	1912.7	1872.9	1836.3	1799.6
17.5°	2138.8	2144.0	2135.0	2120.2	2081.0	2051.5	2007.1	1964.3	1914.8	1865.5	1821.7
20°	2224.5	2229.3	2215.5	2189.6	2142.6	2113.2	2054.8	1999.4	1942.2	1879.0	1830.9
22.5°	2331.4	2327.5	2308.8	2269.5	2228.8	2174.3	2111.1	2043.7	1972.0	1900.7	1836.7
25°	2513.4	2488.1	2476.6	2428.0	2374.4	2294.3	2207.6	2108.9	2019.8	1925.4	1843.5
27.5°	2614.2	2606.3	2593.5	2559.6	2503.3	2417.7	2315.5	2195.2	2069.6	1950.3	1843.2
30°	2594.0	2595.2	2596.4	2585.6	2549.5	2485.1	2383.4	2254.0	2104.7	1970.5	1846.5
32.5°	2414.9	2436.8	2457.7	2482.5	2492.7	2480.3	2416.6	2299.7	2146.1	1993.6	1844.6
35°	2017.4	2024.1	2092.0	2159.5	2250.9	2322.0	2369.5	2317.7	2188.3	2013.2	1842.3
37.5°	1573.1	1605.5	1652.6	1728.8	1860.8	1979.1	2131.1	2201.0	2159.3	2019.6	1838.1
40°	1341.0	1371.0	1401.8	1479.3	1590.7	1733.9	1906.7	2054.1	2088.5	1999.4	1823.6
42.5°	1161.8	1185.7	1219.8	1278.1	1371.2	1498.1	1663.0	1855.7	1974.3	1940.6	1793.3
45°	950.9	966.0	992.5	1038.8	1106.3	1205.5	1351.2	1561.8	1745.4	1806.2	1721.4
47.5°	814.0	813.9	834.5	866.5	915.1	999.4	1107.1	1272.2	1468.3	1613.4	1606.6
50°	737.9	734.9	751.1	778.8	817.3	873.3	976.2	1108.0	1296.4	1460.7	1506.5
52.5°	672.4	672.8	682.8	703.2	735.5	783.3	860.1	979.0	1140.0	1308.6	1394.7
55°	586.2	583.8	595.2	609.1	632.6	663.9	719.3	810.1	940.7	1106.8	1218.8
57.5°	507.2	513.9	518.4	528.1	547.6	568.6	615.2	681.9	785.5	928.1	1046.4
60°	461.0	467.6	471.3	480.9	496.5	514.6	550.7	604.8	692.1	814.9	932.3
62.5°	419.6	424.8	426.0	434.6	447.5	465.0	493.4	539.0	607.9	715.2	830.2
65°	359.9	359.9	362.3	371.3	377.4	393.0	414.6	447.8	503.2	586.8	684.9
67.5°	302.4	305.2	304.7	308.6	314.1	326.4	341.9	369.2	410.2	471.3	549.7
70°	264.8	267.2	266.6	269.7	275.6	283.5	296.1	322.0	351.5	403.9	471.3
72.5°	231.1	232.1	230.5	234.5	238.1	245.0	259.0	272.9	300.4	344.6	400.0
75°	176.9	178.2	179.3	181.7	185.4	189.0	196.2	210.1	228.1	261.2	296.8
77.5°	132.7	130.4	133.2	132.9	134.9	137.7	144.1	151.4	166.2	187.2	214.6
80°	99.9	100.5	100.5	101.1	104.2	105.9	111.4	116.7	128.2	143.8	163.1
82.5°	72.9	74.5	73.6	74.6	77.1	78.5	81.5	86.0	92.6	104.9	118.8
85°	39.7	36.7	37.9	39.1	39.1	39.7	42.1	44.0	47.5	52.3	57.8
87.5°	15.7	16.6	16.9	16.9	17.4	17.0	18.8	18.6	19.9	21.1	22.7
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°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1458.9	1455.5	1451.7	1444.9	1436.7	1432.4	1425.7	1421.4	1412.6	1405.4	1397.8
5°	1532.9	1517.3	1502.9	1484.2	1463.7	1450.5	1434.9	1417.4	1399.4	1380.6	1360.2
7.5°	1609.6	1581.9	1551.8	1519.5	1487.8	1458.7	1430.8	1403.6	1378.0	1347.2	1321.1
10°	1661.2	1626.2	1588.9	1545.0	1502.3	1464.9	1427.0	1393.9	1360.2	1324.1	1292.2
12.5°	1712.6	1666.2	1613.5	1565.2	1513.8	1468.7	1424.2	1381.9	1339.5	1299.6	1262.3
15°	1749.0	1708.1	1659.3	1590.7	1532.9	1471.0	1411.9	1357.2	1306.0	1261.5	1214.6
17.5°	1773.0	1720.2	1667.9	1602.0	1526.3	1457.0	1390.2	1327.5	1269.8	1213.4	1168.1
20°	1777.3	1723.1	1668.4	1603.9	1526.3	1446.9	1380.1	1304.8	1242.9	1184.5	1129.1
22.5°	1775.8	1714.5	1654.8	1588.6	1512.9	1439.7	1358.9	1282.2	1215.0	1157.5	1099.7
25°	1762.3	1696.7	1622.0	1555.2	1480.6	1402.9	1321.1	1241.6	1173.0	1107.4	1050.3
27.5°	1751.0	1665.8	1581.4	1503.4	1431.4	1360.2	1281.8	1200.5	1124.4	1057.9	1004.1
30°	1737.0	1643.7	1548.5	1467.3	1393.3	1324.1	1250.1	1170.6	1091.2	1026.2	968.4
32.5°	1724.5	1615.8	1515.4	1426.9	1348.5	1281.2	1213.0	1137.4	1059.4	993.5	935.7
35°	1700.2	1574.5	1459.6	1359.6	1275.9	1206.8	1149.6	1079.1	1007.5	943.7	888.3
37.5°	1669.6	1520.3	1397.0	1292.2	1200.5	1127.6	1074.3	1020.3	951.5	890.0	840.0
40°	1645.5	1481.8	1351.2	1244.0	1149.0	1073.1	1023.8	972.6	915.4	858.3	805.3
42.5°	1615.2	1447.2	1304.9	1189.6	1095.5	1021.6	969.8	926.4	875.9	822.6	773.5
45°	1559.4	1384.3	1230.2	1106.3	1011.1	938.3	884.8	852.2	814.3	763.8	722.2
47.5°	1477.5	1308.8	1149.4	1021.5	923.4	855.9	805.7	774.5	747.8	710.2	672.5
50°	1404.7	1252.5	1091.2	964.2	866.1	798.1	751.7	723.4	700.5	671.6	639.8
52.5°	1323.4	1181.7	1033.8	908.3	811.2	744.1	698.7	673.9	654.8	634.1	602.7
55°	1194.1	1073.7	936.5	817.3	727.6	662.0	622.3	600.7	585.1	569.4	550.1
57.5°	1051.7	957.5	836.0	727.0	644.4	584.8	547.7	526.6	514.4	506.4	495.1
60°	951.5	870.9	766.2	666.8	586.2	533.2	497.1	480.9	470.6	464.0	455.6
62.5°	858.6	792.4	695.4	604.8	534.2	484.1	451.9	436.1	426.3	423.1	416.2
65°	721.7	670.5	590.4	515.2	455.0	412.2	385.2	370.1	364.1	360.5	361.1
67.5°	586.7	555.5	491.2	427.0	379.1	343.2	321.6	310.0	306.9	302.1	302.0
70°	504.4	480.9	426.7	370.8	328.0	300.3	281.1	269.0	266.0	263.6	263.1
72.5°	431.7	411.1	364.1	319.2	280.8	256.5	240.6	233.4	228.5	227.0	226.9
75°	324.4	313.0	275.6	240.1	213.7	196.8	186.0	179.3	175.8	175.1	175.8
77.5°	230.6	220.6	196.9	171.7	155.1	142.3	133.1	130.8	126.7	126.9	126.3
80°	173.3	166.7	151.7	131.8	118.0	107.1	102.3	98.1	96.9	95.1	96.9
82.5°	125.6	118.6	108.3	95.7	84.3	77.8	72.9	71.6	70.9	70.1	70.4
85°	62.0	62.6	56.5	46.9	42.1	38.5	35.5	35.5	34.9	34.3	34.9
87.5°	23.5	22.2	20.1	18.3	15.5	13.7	12.8	13.2	11.9	11.8	12.7
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: P333279-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-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: P333279-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1393.4	1388.1	1383.8	1374.1	1368.9	1361.6	1355.8	1362.1	1355.4	1358.3	1354.0
5°	1350.0	1333.1	1321.1	1303.6	1288.6	1274.7	1264.5	1262.7	1257.8	1255.4	1248.2
7.5°	1297.7	1276.7	1256.0	1233.1	1213.8	1194.2	1181.7	1171.4	1164.5	1155.5	1149.3
10°	1266.9	1238.6	1214.6	1186.9	1162.8	1141.7	1124.9	1116.4	1108.7	1097.2	1093.0
12.5°	1228.9	1199.6	1170.3	1140.7	1117.5	1094.0	1079.6	1066.8	1061.4	1048.6	1047.2
15°	1183.3	1139.3	1110.4	1080.3	1048.5	1029.2	1017.2	1003.3	997.3	988.3	981.6
17.5°	1128.8	1089.6	1053.5	1022.3	995.0	978.7	963.9	954.3	944.0	938.1	927.2
20°	1089.4	1052.0	1015.9	982.8	961.8	943.1	931.0	922.0	911.2	908.2	897.4
22.5°	1056.1	1014.9	980.3	952.5	929.5	908.5	895.5	889.3	881.8	872.5	870.4
25°	1002.1	959.4	929.9	902.2	881.7	862.5	853.5	845.6	838.4	831.8	829.4
27.5°	955.4	917.2	882.2	857.2	839.4	821.8	813.9	804.3	799.1	793.7	787.2
30°	922.7	883.5	852.8	828.8	809.5	793.9	785.4	778.8	774.0	769.2	765.5
32.5°	888.9	852.7	823.0	799.4	780.2	768.3	760.9	756.2	750.9	745.1	740.6
35°	844.5	804.7	775.8	755.4	740.3	731.3	722.8	718.6	712.6	712.6	707.8
37.5°	794.2	759.9	734.4	715.8	702.2	694.2	685.0	682.2	678.3	675.7	674.0
40°	764.4	732.5	708.4	689.7	675.3	668.7	661.5	656.7	654.2	651.2	650.0
42.5°	733.5	703.1	680.0	662.8	650.2	644.6	637.8	634.5	629.6	625.7	625.0
45°	686.7	657.2	636.1	622.3	611.4	604.8	600.7	593.4	591.0	586.2	585.6
47.5°	642.3	614.0	593.3	582.0	572.5	567.0	560.4	553.2	550.5	548.0	547.8
50°	609.1	583.2	563.9	553.1	544.1	536.3	529.7	524.9	523.0	523.0	524.2
52.5°	575.4	553.3	537.0	523.7	515.2	506.8	500.8	497.8	495.1	498.0	500.2
55°	526.0	503.7	491.7	479.1	470.6	461.0	458.0	456.8	455.0	459.9	462.3
57.5°	473.8	458.2	444.1	431.5	423.9	418.4	414.3	413.6	417.0	419.3	427.0
60°	440.6	422.5	409.8	400.2	391.2	387.6	386.4	385.2	387.6	394.2	404.5
62.5°	403.9	389.3	375.7	368.5	361.9	355.8	355.6	356.3	361.1	368.7	378.9
65°	350.3	337.6	328.6	320.2	314.8	311.1	312.4	314.8	320.2	330.4	341.9
67.5°	295.8	287.1	279.0	272.2	267.0	267.0	268.2	271.8	278.2	290.0	300.4
70°	260.6	251.0	244.3	241.4	237.1	234.7	238.4	244.3	249.8	260.6	269.7
72.5°	225.4	217.3	212.1	210.1	208.2	206.3	207.5	214.0	221.3	232.2	242.6
75°	173.3	170.3	166.7	164.3	162.5	163.7	164.9	170.9	176.9	188.4	200.5
77.5°	126.5	123.4	121.2	120.6	119.7	120.3	123.6	128.0	133.9	142.3	151.4
80°	95.7	94.5	93.3	92.6	92.6	93.3	98.1	101.1	106.6	114.3	121.5
82.5°	69.7	68.9	68.8	68.6	69.1	69.2	72.1	76.1	80.5	86.4	92.6
85°	36.7	35.5	37.3	37.9	36.7	38.5	39.7	42.1	44.0	46.9	49.9
87.5°	13.5	14.8	14.4	15.3	15.5	16.9	16.5	18.6	19.8	20.9	20.8
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: P333279-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-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: P333279-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1351.0	1354.4	1351.6	1355.4	1351.6	1354.4	1351.0	1354.0	1358.3	1355.4	1362.1
5°	1245.3	1239.8	1243.4	1241.0	1243.4	1239.8	1245.3	1248.2	1255.4	1257.8	1262.7
7.5°	1147.5	1142.4	1136.4	1133.6	1136.4	1142.4	1147.5	1149.3	1155.5	1164.5	1171.4
10°	1086.4	1079.8	1079.1	1075.0	1079.1	1079.8	1086.4	1093.0	1097.2	1108.7	1116.4
12.5°	1041.6	1035.5	1028.6	1026.8	1028.6	1035.5	1041.6	1047.2	1048.6	1061.4	1066.8
15°	978.0	973.2	969.0	972.6	969.0	973.2	978.0	981.6	988.3	997.3	1003.3
17.5°	925.1	921.2	920.5	916.1	920.5	921.2	925.1	927.2	938.1	944.0	954.3
20°	892.0	888.9	890.2	882.3	890.2	888.9	892.0	897.4	908.2	911.2	922.0
22.5°	865.5	859.6	858.9	857.3	858.9	859.6	865.5	870.4	872.5	881.8	889.3
25°	823.9	820.9	818.0	820.9	818.0	820.9	823.9	829.4	831.8	838.4	845.6
27.5°	787.7	784.1	783.3	783.6	783.3	784.1	787.7	787.2	793.7	799.1	804.3
30°	765.5	759.6	760.2	759.6	760.2	759.6	765.5	765.5	769.2	774.0	778.8
32.5°	741.5	737.4	736.6	735.5	736.6	737.4	741.5	740.6	745.1	750.9	756.2
35°	706.0	706.0	702.9	702.9	702.9	706.0	706.0	707.8	712.6	712.6	718.6
37.5°	672.6	672.0	670.2	670.5	670.2	672.0	672.6	674.0	675.7	678.3	682.2
40°	647.6	647.0	645.2	641.6	645.2	647.0	647.6	650.0	651.2	654.2	656.7
42.5°	623.5	621.5	620.6	619.5	620.6	621.5	623.5	625.0	625.7	629.6	634.5
45°	585.6	585.6	584.4	583.8	584.4	585.6	585.6	585.6	586.2	591.0	593.4
47.5°	548.8	549.8	552.1	551.8	552.1	549.8	548.8	547.8	548.0	550.5	553.2
50°	526.6	527.3	529.1	529.7	529.1	527.3	526.6	524.2	523.0	523.0	524.9
52.5°	502.0	505.6	507.8	507.5	507.8	505.6	502.0	500.2	498.0	495.1	497.8
55°	467.6	471.9	476.1	476.7	476.1	471.9	467.6	462.3	459.9	455.0	456.8
57.5°	433.5	439.4	443.9	445.4	443.9	439.4	433.5	427.0	419.3	417.0	413.6
60°	410.5	418.3	423.7	426.1	423.7	418.3	410.5	404.5	394.2	387.6	385.2
62.5°	388.3	397.1	402.5	403.0	402.5	397.1	388.3	378.9	368.7	361.1	356.3
65°	352.0	361.1	366.0	369.5	366.0	361.1	352.0	341.9	330.4	320.2	314.8
67.5°	313.1	322.1	327.4	330.3	327.4	322.1	313.1	300.4	290.0	278.2	271.8
70°	284.7	293.7	301.0	303.4	301.0	293.7	284.7	269.7	260.6	249.8	244.3
72.5°	256.7	264.8	270.6	273.5	270.6	264.8	256.7	242.6	232.2	221.3	214.0
75°	208.2	219.1	224.5	227.5	224.5	219.1	208.2	200.5	188.4	176.9	170.9
77.5°	160.6	170.4	173.7	175.2	173.7	170.4	160.6	151.4	142.3	133.9	128.0
80°	128.8	134.8	139.0	139.6	139.0	134.8	128.8	121.5	114.3	106.6	101.1
82.5°	99.0	104.0	105.3	106.9	105.3	104.0	99.0	92.6	86.4	80.5	76.1
85°	54.1	56.5	57.2	56.5	57.2	56.5	54.1	49.9	46.9	44.0	42.1
87.5°	21.8	21.2	21.4	22.4	21.4	21.2	21.8	20.8	20.9	19.8	18.6
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: P333279-940

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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: P333279-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1355.8	1361.6	1368.9	1374.1	1383.8	1388.1	1393.4	1397.8	1405.4	1412.6	1421.4
5°	1264.5	1274.7	1288.6	1303.6	1321.1	1333.1	1350.0	1360.2	1380.6	1399.4	1417.4
7.5°	1181.7	1194.2	1213.8	1233.1	1256.0	1276.7	1297.7	1321.1	1347.2	1378.0	1403.6
10°	1124.9	1141.7	1162.8	1186.9	1214.6	1238.6	1266.9	1292.2	1324.1	1360.2	1393.9
12.5°	1079.6	1094.0	1117.5	1140.7	1170.3	1199.6	1228.9	1262.3	1299.6	1339.5	1381.9
15°	1017.2	1029.2	1048.5	1080.3	1110.4	1139.3	1183.3	1214.6	1261.5	1306.0	1357.2
17.5°	963.9	978.7	995.0	1022.3	1053.5	1089.6	1128.8	1168.1	1213.4	1269.8	1327.5
20°	931.0	943.1	961.8	982.8	1015.9	1052.0	1089.4	1129.1	1184.5	1242.9	1304.8
22.5°	895.5	908.5	929.5	952.5	980.3	1014.9	1056.1	1099.7	1157.5	1215.0	1282.2
25°	853.5	862.5	881.7	902.2	929.9	959.4	1002.1	1050.3	1107.4	1173.0	1241.6
27.5°	813.9	821.8	839.4	857.2	882.2	917.2	955.4	1004.1	1057.9	1124.4	1200.5
30°	785.4	793.9	809.5	828.8	852.8	883.5	922.7	968.4	1026.2	1091.2	1170.6
32.5°	760.9	768.3	780.2	799.4	823.0	852.7	888.9	935.7	993.5	1059.4	1137.4
35°	722.8	731.3	740.3	755.4	775.8	804.7	844.5	888.3	943.7	1007.5	1079.1
37.5°	685.0	694.2	702.2	715.8	734.4	759.9	794.2	840.0	890.0	951.5	1020.3
40°	661.5	668.7	675.3	689.7	708.4	732.5	764.4	805.3	858.3	915.4	972.6
42.5°	637.8	644.6	650.2	662.8	680.0	703.1	733.5	773.5	822.6	875.9	926.4
45°	600.7	604.8	611.4	622.3	636.1	657.2	686.7	722.2	763.8	814.3	852.2
47.5°	560.4	567.0	572.5	582.0	593.3	614.0	642.3	672.5	710.2	747.8	774.5
50°	529.7	536.3	544.1	553.1	563.9	583.2	609.1	639.8	671.6	700.5	723.4
52.5°	500.8	506.8	515.2	523.7	537.0	553.3	575.4	602.7	634.1	654.8	673.9
55°	458.0	461.0	470.6	479.1	491.7	503.7	526.0	550.1	569.4	585.1	600.7
57.5°	414.3	418.4	423.9	431.5	444.1	458.2	473.8	495.1	506.4	514.4	526.6
60°	386.4	387.6	391.2	400.2	409.8	422.5	440.6	455.6	464.0	470.6	480.9
62.5°	355.6	355.8	361.9	368.5	375.7	389.3	403.9	416.2	423.1	426.3	436.1
65°	312.4	311.1	314.8	320.2	328.6	337.6	350.3	361.1	360.5	364.1	370.1
67.5°	268.2	267.0	267.0	272.2	279.0	287.1	295.8	302.0	302.1	306.9	310.0
70°	238.4	234.7	237.1	241.4	244.3	251.0	260.6	263.1	263.6	266.0	269.0
72.5°	207.5	206.3	208.2	210.1	212.1	217.3	225.4	226.9	227.0	228.5	233.4
75°	164.9	163.7	162.5	164.3	166.7	170.3	173.3	175.8	175.1	175.8	179.3
77.5°	123.6	120.3	119.7	120.6	121.2	123.4	126.5	126.3	126.9	126.7	130.8
80°	98.1	93.3	92.6	92.6	93.3	94.5	95.7	96.9	95.1	96.9	98.1
82.5°	72.1	69.2	69.1	68.6	68.8	68.9	69.7	70.4	70.1	70.9	71.6
85°	39.7	38.5	36.7	37.9	37.3	35.5	36.7	34.9	34.3	34.9	35.5
87.5°	16.5	16.9	15.5	15.3	14.4	14.8	13.5	12.7	11.8	11.9	13.2
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



TEST NUMBER: P333279-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A4

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: P333279-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1425.7	1432.4	1436.7	1444.9	1451.7	1455.5	1458.9	1461.8	1465.2	1468.0	1476.2
5°	1434.9	1450.5	1463.7	1484.2	1502.9	1517.3	1532.9	1546.8	1558.2	1574.5	1587.1
7.5°	1430.8	1458.7	1487.8	1519.5	1551.8	1581.9	1609.6	1635.5	1658.9	1687.4	1712.3
10°	1427.0	1464.9	1502.3	1545.0	1588.9	1626.2	1661.2	1696.7	1722.5	1758.6	1789.3
12.5°	1424.2	1468.7	1513.8	1565.2	1613.5	1666.2	1712.6	1738.6	1777.9	1806.8	1843.3
15°	1411.9	1471.0	1532.9	1590.7	1659.3	1708.1	1749.0	1799.6	1836.3	1872.9	1912.7
17.5°	1390.2	1457.0	1526.3	1602.0	1667.9	1720.2	1773.0	1821.7	1865.5	1914.8	1964.3
20°	1380.1	1446.9	1526.3	1603.9	1668.4	1723.1	1777.3	1830.9	1879.0	1942.2	1999.4
22.5°	1358.9	1439.7	1512.9	1588.6	1654.8	1714.5	1775.8	1836.7	1900.7	1972.0	2043.7
25°	1321.1	1402.9	1480.6	1555.2	1622.0	1696.7	1762.3	1843.5	1925.4	2019.8	2108.9
27.5°	1281.8	1360.2	1431.4	1503.4	1581.4	1665.8	1751.0	1843.2	1950.3	2069.6	2195.2
30°	1250.1	1324.1	1393.3	1467.3	1548.5	1643.7	1737.0	1846.5	1970.5	2104.7	2254.0
32.5°	1213.0	1281.2	1348.5	1426.9	1515.4	1615.8	1724.5	1844.6	1993.6	2146.1	2299.7
35°	1149.6	1206.8	1275.9	1359.6	1459.6	1574.5	1700.2	1842.3	2013.2	2188.3	2317.7
37.5°	1074.3	1127.6	1200.5	1292.2	1397.0	1520.3	1669.6	1838.1	2019.6	2159.3	2201.0
40°	1023.8	1073.1	1149.0	1244.0	1351.2	1481.8	1645.5	1823.6	1999.4	2088.5	2054.1
42.5°	969.8	1021.6	1095.5	1189.6	1304.9	1447.2	1615.2	1793.3	1940.6	1974.3	1855.7
45°	884.8	938.3	1011.1	1106.3	1230.2	1384.3	1559.4	1721.4	1806.2	1745.4	1561.8
47.5°	805.7	855.9	923.4	1021.5	1149.4	1308.8	1477.5	1606.6	1613.4	1468.3	1272.2
50°	751.7	798.1	866.1	964.2	1091.2	1252.5	1404.7	1506.5	1460.7	1296.4	1108.0
52.5°	698.7	744.1	811.2	908.3	1033.8	1181.7	1323.4	1394.7	1308.6	1140.0	979.0
55°	622.3	662.0	727.6	817.3	936.5	1073.7	1194.1	1218.8	1106.8	940.7	810.1
57.5°	547.7	584.8	644.4	727.0	836.0	957.5	1051.7	1046.4	928.1	785.5	681.9
60°	497.1	533.2	586.2	666.8	766.2	870.9	951.5	932.3	814.9	692.1	604.8
62.5°	451.9	484.1	534.2	604.8	695.4	792.4	858.6	830.2	715.2	607.9	539.0
65°	385.2	412.2	455.0	515.2	590.4	670.5	721.7	684.9	586.8	503.2	447.8
67.5°	321.6	343.2	379.1	427.0	491.2	555.5	586.7	549.7	471.3	410.2	369.2
70°	281.1	300.3	328.0	370.8	426.7	480.9	504.4	471.3	403.9	351.5	322.0
72.5°	240.6	256.5	280.8	319.2	364.1	411.1	431.7	400.0	344.6	300.4	272.9
75°	186.0	196.8	213.7	240.1	275.6	313.0	324.4	296.8	261.2	228.1	210.1
77.5°	133.1	142.3	155.1	171.7	196.9	220.6	230.6	214.6	187.2	166.2	151.4
80°	102.3	107.1	118.0	131.8	151.7	166.7	173.3	163.1	143.8	128.2	116.7
82.5°	72.9	77.8	84.3	95.7	108.3	118.6	125.6	118.8	104.9	92.6	86.0
85°	35.5	38.5	42.1	46.9	56.5	62.6	62.0	57.8	52.3	47.5	44.0
87.5°	12.8	13.7	15.5	18.3	20.1	22.2	23.5	22.7	21.1	19.9	18.6
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°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1483.0	1486.8	1495.0	1492.1	1496.0	1497.9	1499.9
5°	1602.8	1622.0	1630.4	1629.2	1641.9	1638.9	1635.8
7.5°	1738.0	1758.3	1769.6	1783.7	1791.9	1792.4	1799.6
10°	1814.6	1841.1	1851.9	1867.0	1876.6	1882.0	1881.4
12.5°	1873.4	1894.1	1918.3	1925.7	1938.8	1945.5	1943.0
15°	1944.0	1977.1	2002.4	2015.0	2031.3	2036.1	2042.7
17.5°	2007.1	2051.5	2081.0	2120.2	2135.0	2144.0	2138.8
20°	2054.8	2113.2	2142.6	2189.6	2215.5	2229.3	2224.5
22.5°	2111.1	2174.3	2228.8	2269.5	2308.8	2327.5	2331.4
25°	2207.6	2294.3	2374.4	2428.0	2476.6	2488.1	2513.4
27.5°	2315.5	2417.7	2503.3	2559.6	2593.5	2606.3	2614.2
30°	2383.4	2485.1	2549.5	2585.6	2596.4	2595.2	2594.0
32.5°	2416.6	2480.3	2492.7	2482.5	2457.7	2436.8	2414.9
35°	2369.5	2322.0	2250.9	2159.5	2092.0	2024.1	2017.4
37.5°	2131.1	1979.1	1860.8	1728.8	1652.6	1605.5	1573.1
40°	1906.7	1733.9	1590.7	1479.3	1401.8	1371.0	1341.0
42.5°	1663.0	1498.1	1371.2	1278.1	1219.8	1185.7	1161.8
45°	1351.2	1205.5	1106.3	1038.8	992.5	966.0	950.9
47.5°	1107.1	999.4	915.1	866.5	834.5	813.9	814.0
50°	976.2	873.3	817.3	778.8	751.1	734.9	737.9
52.5°	860.1	783.3	735.5	703.2	682.8	672.8	672.4
55°	719.3	663.9	632.6	609.1	595.2	583.8	586.2
57.5°	615.2	568.6	547.6	528.1	518.4	513.9	507.2
60°	550.7	514.6	496.5	480.9	471.3	467.6	461.0
62.5°	493.4	465.0	447.5	434.6	426.0	424.8	419.6
65°	414.6	393.0	377.4	371.3	362.3	359.9	359.9
67.5°	341.9	326.4	314.1	308.6	304.7	305.2	302.4
70°	296.1	283.5	275.6	269.7	266.6	267.2	264.8
72.5°	259.0	245.0	238.1	234.5	230.5	232.1	231.1
75°	196.2	189.0	185.4	181.7	179.3	178.2	176.9
77.5°	144.1	137.7	134.9	132.9	133.2	130.4	132.7
80°	111.4	105.9	104.2	101.1	100.5	100.5	99.9
82.5°	81.5	78.5	77.1	74.6	73.6	74.5	72.9
85°	42.1	39.7	39.1	39.1	37.9	36.7	39.7
87.5°	18.8	17.0	17.4	16.9	16.9	16.6	15.7
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)