

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: P333288-940

Luminaire Tested: **S125DIP-S1090D1205U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333288-940
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-S1090D1205U940-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

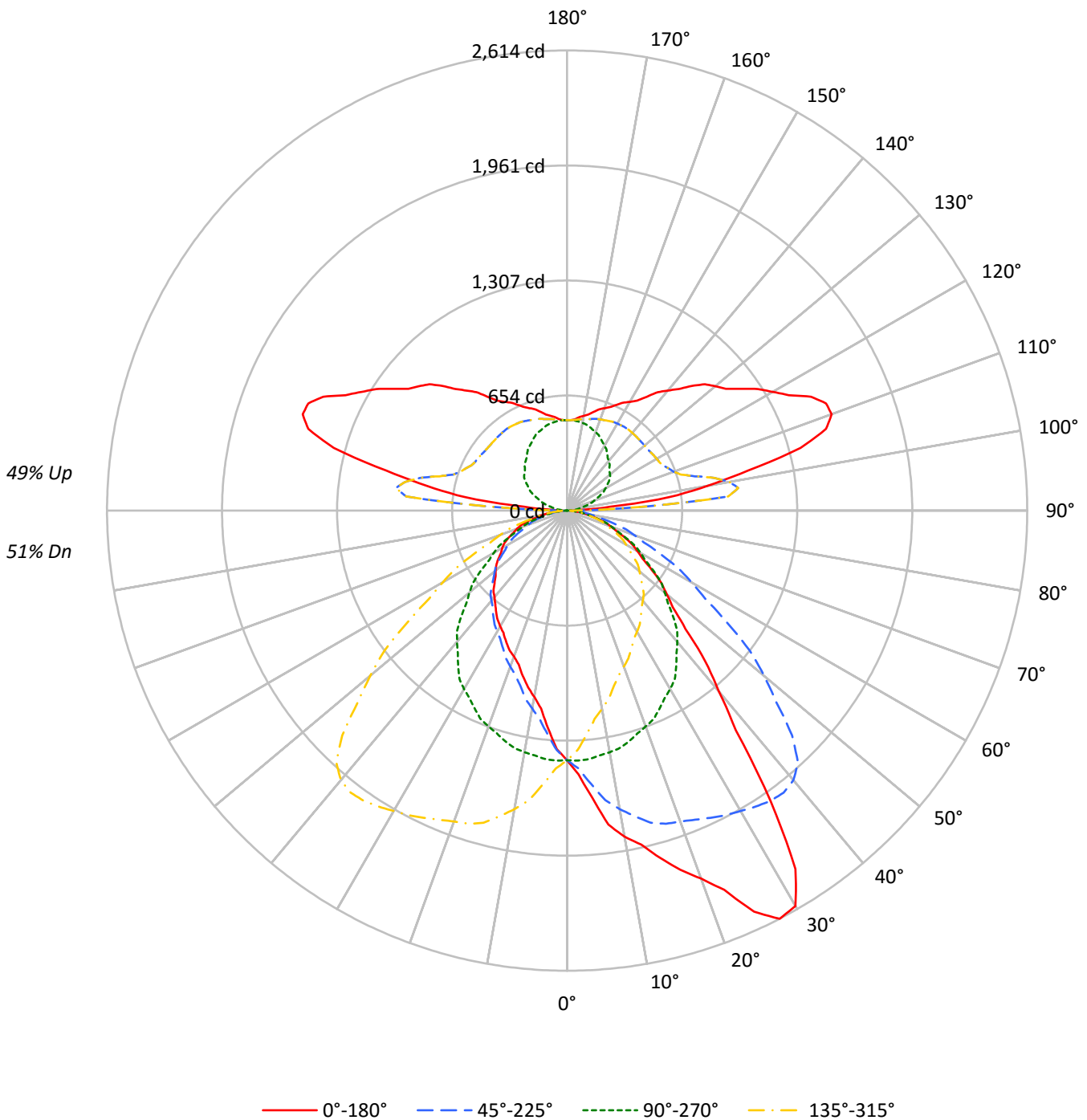
Lumens per Lamp: N/A
Luminaire Lumens: 7858.1 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 65.4
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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	98	94	90	87	91	87	84	81	74	72	69	62	60	59	51	50	49	43
2	90	82	76	71	83	76	71	67	65	61	58	55	52	49	45	43	41	37
3	82	73	65	60	75	67	61	56	57	53	49	48	45	42	40	37	35	31
4	75	64	56	50	69	60	53	48	51	46	42	43	39	36	36	33	31	27
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	23
6	63	51	43	38	58	48	41	36	41	36	31	35	31	27	29	26	24	21
7	59	46	39	33	54	43	36	31	37	32	28	32	28	24	27	23	21	18
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	25	21	19	16
9	51	38	31	26	47	36	29	25	31	26	22	27	23	19	23	19	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13

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	1.7
10°-20°	406.4	5.2
20°-30°	660.0	8.4
30°-40°	805.0	10.2
40°-50°	732.3	9.3
50°-60°	583.3	7.4
60°-70°	406.3	5.2
70°-80°	216.7	2.8
80°-90°	57.5	0.7
90°-100°	372.5	4.7
100°-110°	800.8	10.2
110°-120°	751.5	9.6
120°-130°	609.1	7.8
130°-140°	488.8	6.2
140°-150°	368.8	4.7
150°-160°	259.6	3.3
160°-170°	153.0	1.9
170°-180°	49.8	0.6
0°-30°	1202.9	15.3
0°-40°	2008.0	25.6
0°-60°	3323.6	42.3
0°-90°	4004.1	51.0
90°-120°	1924.8	24.5
90°-150°	3391.5	43.2
90°-180°	3854.0	49.0
0°-180°	7858.1	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°	24	1	24	1	24	18
95°	244	34	244	34	244	345
105°	1373	117	1373	117	1373	1365
115°	1529	209	1529	209	1529	1494
125°	1205	290	1205	290	1205	1090
135°	1001	340	1001	340	1001	776
145°	790	396	790	396	790	502
155°	662	452	662	452	662	309
165°	580	493	580	493	580	166
175°	521	513	521	513	521	51
180°	514	514	514	514	514	



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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°	16.3	17.3	17.6	17.6	18.0	17.7	19.4	19.2	20.3	21.6	23.1
90°	23.8	23.8	22.8	22.8	22.8	20.7	19.7	18.6	17.7	16.6	14.5
92.5°	66.1	67.8	69.2	71.7	85.0	100.3	133.2	183.6	270.5	334.0	339.5
95°	243.5	260.1	268.3	299.4	373.0	460.0	587.5	744.9	898.3	918.0	749.1
97.5°	588.5	601.8	631.9	689.8	753.9	874.9	999.1	1109.5	1136.7	980.3	669.0
100°	808.2	824.7	863.1	937.7	1009.1	1117.0	1223.7	1274.4	1194.6	935.6	596.8
102.5°	1053.6	1066.0	1107.6	1160.7	1237.2	1310.1	1361.3	1330.0	1159.8	856.8	542.1
105°	1372.9	1385.3	1406.0	1440.2	1473.4	1484.8	1439.2	1297.3	1048.6	751.2	489.0
107.5°	1542.4	1550.7	1557.6	1557.7	1541.0	1486.8	1369.8	1180.4	935.0	678.4	466.6
110°	1598.7	1598.7	1591.5	1571.8	1525.2	1437.1	1291.0	1094.1	870.3	644.4	460.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1592.1	1584.7	1566.6	1532.9	1464.6	1360.8	1213.1	1026.2	822.2	624.6	460.0
115°	1529.3	1515.8	1486.8	1437.1	1356.3	1243.3	1101.4	940.8	769.8	603.1	463.2
117.5°	1419.2	1411.0	1382.2	1330.8	1250.0	1146.4	1024.1	885.6	738.5	592.5	470.0
120°	1348.0	1339.7	1311.7	1262.0	1185.4	1094.1	980.2	855.9	721.1	587.5	476.6
122.5°	1285.0	1277.6	1249.6	1204.0	1135.6	1050.3	948.7	833.5	706.2	583.4	482.4
125°	1205.1	1194.6	1171.9	1129.4	1071.4	996.8	906.6	800.9	685.9	578.2	492.1
127.5°	1136.7	1132.1	1110.5	1073.0	1020.4	950.6	866.4	767.8	667.3	575.7	503.1
130°	1099.3	1093.1	1072.4	1038.2	986.4	919.1	838.2	747.1	654.9	574.0	509.8
132.5°	1062.0	1055.0	1035.9	1001.7	949.9	885.0	811.7	726.3	644.9	574.0	517.2
135°	1000.9	994.7	976.1	941.8	896.3	837.2	770.9	699.4	633.1	574.0	527.4
137.5°	935.6	928.8	911.6	880.5	839.7	789.5	734.4	676.6	622.5	575.2	536.7
140°	890.0	884.8	869.3	842.4	804.1	760.5	712.8	664.1	617.5	576.0	540.8
142.5°	847.7	843.4	828.7	805.9	773.4	735.7	694.6	653.4	613.4	576.9	543.3
145°	789.5	785.4	774.0	756.3	731.5	703.6	671.4	639.3	607.2	576.0	546.1
147.5°	740.2	738.3	731.7	717.6	697.9	676.8	652.1	626.1	600.7	573.4	547.1
150°	712.8	711.9	707.7	695.3	679.7	661.0	641.4	618.6	595.8	570.9	547.1
152.5°	691.3	690.3	686.1	676.2	663.2	648.6	630.6	610.3	590.0	567.6	546.3
155°	662.1	661.0	657.9	650.7	640.3	628.9	614.4	597.8	580.2	561.6	543.9
157.5°	636.0	636.1	633.3	627.2	619.2	610.3	599.1	585.4	571.1	555.4	541.3
160°	618.6	619.6	617.5	612.3	605.1	597.8	587.5	577.1	563.7	551.3	538.8
162.5°	602.8	603.1	602.6	598.2	592.6	586.2	577.6	568.0	557.1	546.3	536.3
165°	580.2	580.2	580.2	578.2	574.0	568.8	562.6	555.4	547.1	538.8	532.5
167.5°	559.5	559.7	560.5	558.7	556.6	552.9	548.1	543.3	537.3	531.5	526.7
170°	547.1	548.1	548.1	547.1	545.0	543.0	539.8	536.7	531.5	527.4	524.3
172.5°	535.5	536.5	538.1	536.3	535.9	534.7	532.4	529.2	525.8	522.5	520.9
175°	521.2	522.2	524.3	523.3	523.3	523.3	521.2	521.2	518.1	517.0	517.0
177.5°	513.9	513.9	516.4	515.6	516.4	516.4	516.4	515.6	514.8	513.9	513.9
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



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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°	23.9	22.5	20.3	18.5	15.7	13.8	12.9	13.2	11.9	11.9	12.8
90°	13.5	11.4	10.3	8.3	6.2	4.1	2.1	1.1	2.1	4.1	6.2
92.5°	236.5	141.5	85.0	54.8	36.9	24.1	15.3	12.7	15.3	24.1	36.9
95°	463.2	235.2	124.3	77.7	54.9	43.5	35.2	34.2	35.2	43.5	54.9
97.5°	369.7	202.7	129.3	95.8	75.3	63.8	58.1	56.8	58.1	63.8	75.3
100°	335.7	201.0	140.9	109.9	90.2	78.7	74.6	72.5	74.6	78.7	90.2
102.5°	321.6	208.5	155.0	124.8	106.7	94.5	91.2	90.0	91.2	94.5	106.7
105°	316.0	223.8	178.3	149.2	132.6	122.3	117.1	117.1	117.1	122.3	132.6
107.5°	325.6	246.6	202.4	176.4	159.2	150.6	145.7	143.6	145.7	150.6	159.2
110°	334.7	263.1	220.7	193.8	178.3	168.9	164.8	162.6	164.8	168.9	178.3



TEST NUMBER: P333288-940

CATALOG NUMBER: S125DIP-S1090D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	346.3	278.9	238.1	212.0	196.4	187.1	183.8	181.7	183.8	187.1	196.4
115°	363.6	303.6	265.3	239.3	223.8	214.5	211.3	209.3	211.3	214.5	223.8
117.5°	383.6	328.9	292.6	267.5	249.9	240.6	237.3	234.2	237.3	240.6	249.9
120°	396.8	347.1	310.9	284.9	267.3	258.0	253.9	250.7	253.9	258.0	267.3
122.5°	411.8	364.5	328.2	302.4	283.0	273.8	270.5	268.1	270.5	273.8	283.0
125°	432.0	387.5	353.3	326.4	306.7	297.4	292.2	290.1	292.2	297.4	306.7
127.5°	450.8	409.7	376.7	349.8	328.9	317.1	310.4	307.3	310.4	317.1	328.9
130°	463.2	423.7	391.6	364.7	343.0	329.5	321.2	318.1	321.2	329.5	343.0
132.5°	473.9	437.0	404.9	378.0	355.4	340.3	330.3	326.4	330.3	340.3	355.4
135°	489.0	454.9	422.8	394.8	373.0	356.4	344.0	339.8	344.0	356.4	373.0
137.5°	500.2	467.5	438.3	409.5	388.2	371.6	360.0	356.9	360.0	371.6	388.2
140°	507.7	476.6	446.6	418.6	399.0	382.4	369.9	366.8	369.9	382.4	399.0
142.5°	511.8	482.4	454.1	427.8	408.8	392.3	380.7	378.4	380.7	392.3	408.8
145°	518.1	492.1	465.2	441.4	422.8	408.2	397.9	395.8	397.9	408.2	422.8
147.5°	521.8	498.4	474.7	453.8	437.7	424.2	415.3	414.0	415.3	424.2	437.7
150°	524.3	502.5	479.7	462.1	447.6	434.2	426.9	424.8	426.9	434.2	447.6
152.5°	525.9	506.7	485.5	469.6	455.9	444.1	437.7	436.4	437.7	444.1	455.9
155°	527.4	510.8	493.2	478.7	468.3	458.0	451.7	451.7	451.7	458.0	468.3
157.5°	528.4	514.3	499.2	488.2	479.1	470.2	465.2	465.5	465.2	470.2	479.1
160°	528.4	516.0	502.5	493.2	484.9	477.7	473.5	474.6	473.5	477.7	484.9
162.5°	527.6	517.6	505.9	498.2	491.5	485.1	481.0	482.0	481.0	485.1	491.5
165°	526.4	518.1	509.8	503.5	499.4	494.3	491.2	493.2	491.2	494.3	499.4
167.5°	523.9	518.1	511.2	507.3	504.4	501.5	499.6	500.7	499.6	501.5	504.4
170°	522.2	518.1	512.9	509.8	507.7	505.6	504.6	505.6	504.6	505.6	507.7
172.5°	520.6	517.2	512.9	511.4	510.1	508.1	507.1	509.0	507.1	508.1	510.1
175°	518.1	516.0	512.9	512.9	512.9	511.8	510.8	512.9	510.8	511.8	512.9
177.5°	515.6	514.8	513.1	513.1	513.9	513.1	513.1	514.8	513.1	513.1	513.9
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333288-940

CATALOG NUMBER: S125DIP-S1090D1205U940-4F0-1E-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°	13.7	15.1	14.8	15.7	15.9	17.3	17.0	19.2	20.3	21.5	21.4
90°	8.3	10.3	11.4	13.5	14.5	16.6	17.7	18.6	19.7	20.7	22.8
92.5°	54.8	85.0	141.5	236.5	339.5	334.0	270.5	183.6	133.2	100.3	85.0
95°	77.7	124.3	235.2	463.2	749.1	918.0	898.3	744.9	587.5	460.0	373.0
97.5°	95.8	129.3	202.7	369.7	669.0	980.3	1136.7	1109.5	999.1	874.9	753.9
100°	109.9	140.9	201.0	335.7	596.8	935.6	1194.6	1274.4	1223.7	1117.0	1009.1
102.5°	124.8	155.0	208.5	321.6	542.1	856.8	1159.8	1330.0	1361.3	1310.1	1237.2
105°	149.2	178.3	223.8	316.0	489.0	751.2	1048.6	1297.3	1439.2	1484.8	1473.4
107.5°	176.4	202.4	246.6	325.6	466.6	678.4	935.0	1180.4	1369.8	1486.8	1541.0
110°	193.8	220.7	263.1	334.7	460.0	644.4	870.3	1094.1	1291.0	1437.1	1525.2



TEST NUMBER: P333288-940

CATALOG NUMBER: S125DIP-S1090D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	212.0	238.1	278.9	346.3	460.0	624.6	822.2	1026.2	1213.1	1360.8	1464.6
115°	239.3	265.3	303.6	363.6	463.2	603.1	769.8	940.8	1101.4	1243.3	1356.3
117.5°	267.5	292.6	328.9	383.6	470.0	592.5	738.5	885.6	1024.1	1146.4	1250.0
120°	284.9	310.9	347.1	396.8	476.6	587.5	721.1	855.9	980.2	1094.1	1185.4
122.5°	302.4	328.2	364.5	411.8	482.4	583.4	706.2	833.5	948.7	1050.3	1135.6
125°	326.4	353.3	387.5	432.0	492.1	578.2	685.9	800.9	906.6	996.8	1071.4
127.5°	349.8	376.7	409.7	450.8	503.1	575.7	667.3	767.8	866.4	950.6	1020.4
130°	364.7	391.6	423.7	463.2	509.8	574.0	654.9	747.1	838.2	919.1	986.4
132.5°	378.0	404.9	437.0	473.9	517.2	574.0	644.9	726.3	811.7	885.0	949.9
135°	394.8	422.8	454.9	489.0	527.4	574.0	633.1	699.4	770.9	837.2	896.3
137.5°	409.5	438.3	467.5	500.2	536.7	575.2	622.5	676.6	734.4	789.5	839.7
140°	418.6	446.6	476.6	507.7	540.8	576.0	617.5	664.1	712.8	760.5	804.1
142.5°	427.8	454.1	482.4	511.8	543.3	576.9	613.4	653.4	694.6	735.7	773.4
145°	441.4	465.2	492.1	518.1	546.1	576.0	607.2	639.3	671.4	703.6	731.5
147.5°	453.8	474.7	498.4	521.8	547.1	573.4	600.7	626.1	652.1	676.8	697.9
150°	462.1	479.7	502.5	524.3	547.1	570.9	595.8	618.6	641.4	661.0	679.7
152.5°	469.6	485.5	506.7	525.9	546.3	567.6	590.0	610.3	630.6	648.6	663.2
155°	478.7	493.2	510.8	527.4	543.9	561.6	580.2	597.8	614.4	628.9	640.3
157.5°	488.2	499.2	514.3	528.4	541.3	555.4	571.1	585.4	599.1	610.3	619.2
160°	493.2	502.5	516.0	528.4	538.8	551.3	563.7	577.1	587.5	597.8	605.1
162.5°	498.2	505.9	517.6	527.6	536.3	546.3	557.1	568.0	577.6	586.2	592.6
165°	503.5	509.8	518.1	526.4	532.5	538.8	547.1	555.4	562.6	568.8	574.0
167.5°	507.3	511.2	518.1	523.9	526.7	531.5	537.3	543.3	548.1	552.9	556.6
170°	509.8	512.9	518.1	522.2	524.3	527.4	531.5	536.7	539.8	543.0	545.0
172.5°	511.4	512.9	517.2	520.6	520.9	522.5	525.8	529.2	532.4	534.7	535.9
175°	512.9	512.9	516.0	518.1	517.0	517.0	518.1	521.2	521.2	523.3	523.3
177.5°	513.1	513.1	514.8	515.6	513.9	513.9	514.8	515.6	516.4	516.4	516.4
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333288-940

CATALOG NUMBER: S125DIP-S1090D1205U940-4F0-1E-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°	22.4	21.9	22.1	23.1	22.1	21.9	22.4	21.4	21.5	20.3	19.2
90°	22.8	22.8	23.8	23.8	23.8	22.8	22.8	22.8	20.7	19.7	18.6
92.5°	71.7	69.2	67.8	66.1	67.8	69.2	71.7	85.0	100.3	133.2	183.6
95°	299.4	268.3	260.1	243.5	260.1	268.3	299.4	373.0	460.0	587.5	744.9
97.5°	689.8	631.9	601.8	588.5	601.8	631.9	689.8	753.9	874.9	999.1	1109.5
100°	937.7	863.1	824.7	808.2	824.7	863.1	937.7	1009.1	1117.0	1223.7	1274.4
102.5°	1160.7	1107.6	1066.0	1053.6	1066.0	1107.6	1160.7	1237.2	1310.1	1361.3	1330.0
105°	1440.2	1406.0	1385.3	1372.9	1385.3	1406.0	1440.2	1473.4	1484.8	1439.2	1297.3
107.5°	1557.7	1557.6	1550.7	1542.4	1550.7	1557.6	1557.7	1541.0	1486.8	1369.8	1180.4
110°	1571.8	1591.5	1598.7	1598.7	1598.7	1591.5	1571.8	1525.2	1437.1	1291.0	1094.1



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1532.9	1566.6	1584.7	1592.1	1584.7	1566.6	1532.9	1464.6	1360.8	1213.1	1026.2
115°	1437.1	1486.8	1515.8	1529.3	1515.8	1486.8	1437.1	1356.3	1243.3	1101.4	940.8
117.5°	1330.8	1382.2	1411.0	1419.2	1411.0	1382.2	1330.8	1250.0	1146.4	1024.1	885.6
120°	1262.0	1311.7	1339.7	1348.0	1339.7	1311.7	1262.0	1185.4	1094.1	980.2	855.9
122.5°	1204.0	1249.6	1277.6	1285.0	1277.6	1249.6	1204.0	1135.6	1050.3	948.7	833.5
125°	1129.4	1171.9	1194.6	1205.1	1194.6	1171.9	1129.4	1071.4	996.8	906.6	800.9
127.5°	1073.0	1110.5	1132.1	1136.7	1132.1	1110.5	1073.0	1020.4	950.6	866.4	767.8
130°	1038.2	1072.4	1093.1	1099.3	1093.1	1072.4	1038.2	986.4	919.1	838.2	747.1
132.5°	1001.7	1035.9	1055.0	1062.0	1055.0	1035.9	1001.7	949.9	885.0	811.7	726.3
135°	941.8	976.1	994.7	1000.9	994.7	976.1	941.8	896.3	837.2	770.9	699.4
137.5°	880.5	911.6	928.8	935.6	928.8	911.6	880.5	839.7	789.5	734.4	676.6
140°	842.4	869.3	884.8	890.0	884.8	869.3	842.4	804.1	760.5	712.8	664.1
142.5°	805.9	828.7	843.4	847.7	843.4	828.7	805.9	773.4	735.7	694.6	653.4
145°	756.3	774.0	785.4	789.5	785.4	774.0	756.3	731.5	703.6	671.4	639.3
147.5°	717.6	731.7	738.3	740.2	738.3	731.7	717.6	697.9	676.8	652.1	626.1
150°	695.3	707.7	711.9	712.8	711.9	707.7	695.3	679.7	661.0	641.4	618.6
152.5°	676.2	686.1	690.3	691.3	690.3	686.1	676.2	663.2	648.6	630.6	610.3
155°	650.7	657.9	661.0	662.1	661.0	657.9	650.7	640.3	628.9	614.4	597.8
157.5°	627.2	633.3	636.1	636.0	636.1	633.3	627.2	619.2	610.3	599.1	585.4
160°	612.3	617.5	619.6	618.6	619.6	617.5	612.3	605.1	597.8	587.5	577.1
162.5°	598.2	602.6	603.1	602.8	603.1	602.6	598.2	592.6	586.2	577.6	568.0
165°	578.2	580.2	580.2	580.2	580.2	580.2	578.2	574.0	568.8	562.6	555.4
167.5°	558.7	560.5	559.7	559.5	559.7	560.5	558.7	556.6	552.9	548.1	543.3
170°	547.1	548.1	548.1	547.1	548.1	548.1	547.1	545.0	543.0	539.8	536.7
172.5°	536.3	538.1	536.5	535.5	536.5	538.1	536.3	535.9	534.7	532.4	529.2
175°	523.3	524.3	522.2	521.2	522.2	524.3	523.3	523.3	523.3	521.2	521.2
177.5°	515.6	516.4	513.9	513.9	513.9	516.4	515.6	516.4	516.4	516.4	515.6
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333288-940

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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°	17.0	17.3	15.9	15.7	14.8	15.1	13.7	12.8	11.9	11.9	13.2
90°	17.7	16.6	14.5	13.5	11.4	10.3	8.3	6.2	4.1	2.1	1.1
92.5°	270.5	334.0	339.5	236.5	141.5	85.0	54.8	36.9	24.1	15.3	12.7
95°	898.3	918.0	749.1	463.2	235.2	124.3	77.7	54.9	43.5	35.2	34.2
97.5°	1136.7	980.3	669.0	369.7	202.7	129.3	95.8	75.3	63.8	58.1	56.8
100°	1194.6	935.6	596.8	335.7	201.0	140.9	109.9	90.2	78.7	74.6	72.5
102.5°	1159.8	856.8	542.1	321.6	208.5	155.0	124.8	106.7	94.5	91.2	90.0
105°	1048.6	751.2	489.0	316.0	223.8	178.3	149.2	132.6	122.3	117.1	117.1
107.5°	935.0	678.4	466.6	325.6	246.6	202.4	176.4	159.2	150.6	145.7	143.6
110°	870.3	644.4	460.0	334.7	263.1	220.7	193.8	178.3	168.9	164.8	162.6



TEST NUMBER: P333288-940

CATALOG NUMBER: S125DIP-S1090D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	822.2	624.6	460.0	346.3	278.9	238.1	212.0	196.4	187.1	183.8	181.7
115°	769.8	603.1	463.2	363.6	303.6	265.3	239.3	223.8	214.5	211.3	209.3
117.5°	738.5	592.5	470.0	383.6	328.9	292.6	267.5	249.9	240.6	237.3	234.2
120°	721.1	587.5	476.6	396.8	347.1	310.9	284.9	267.3	258.0	253.9	250.7
122.5°	706.2	583.4	482.4	411.8	364.5	328.2	302.4	283.0	273.8	270.5	268.1
125°	685.9	578.2	492.1	432.0	387.5	353.3	326.4	306.7	297.4	292.2	290.1
127.5°	667.3	575.7	503.1	450.8	409.7	376.7	349.8	328.9	317.1	310.4	307.3
130°	654.9	574.0	509.8	463.2	423.7	391.6	364.7	343.0	329.5	321.2	318.1
132.5°	644.9	574.0	517.2	473.9	437.0	404.9	378.0	355.4	340.3	330.3	326.4
135°	633.1	574.0	527.4	489.0	454.9	422.8	394.8	373.0	356.4	344.0	339.8
137.5°	622.5	575.2	536.7	500.2	467.5	438.3	409.5	388.2	371.6	360.0	356.9
140°	617.5	576.0	540.8	507.7	476.6	446.6	418.6	399.0	382.4	369.9	366.8
142.5°	613.4	576.9	543.3	511.8	482.4	454.1	427.8	408.8	392.3	380.7	378.4
145°	607.2	576.0	546.1	518.1	492.1	465.2	441.4	422.8	408.2	397.9	395.8
147.5°	600.7	573.4	547.1	521.8	498.4	474.7	453.8	437.7	424.2	415.3	414.0
150°	595.8	570.9	547.1	524.3	502.5	479.7	462.1	447.6	434.2	426.9	424.8
152.5°	590.0	567.6	546.3	525.9	506.7	485.5	469.6	455.9	444.1	437.7	436.4
155°	580.2	561.6	543.9	527.4	510.8	493.2	478.7	468.3	458.0	451.7	451.7
157.5°	571.1	555.4	541.3	528.4	514.3	499.2	488.2	479.1	470.2	465.2	465.5
160°	563.7	551.3	538.8	528.4	516.0	502.5	493.2	484.9	477.7	473.5	474.6
162.5°	557.1	546.3	536.3	527.6	517.6	505.9	498.2	491.5	485.1	481.0	482.0
165°	547.1	538.8	532.5	526.4	518.1	509.8	503.5	499.4	494.3	491.2	493.2
167.5°	537.3	531.5	526.7	523.9	518.1	511.2	507.3	504.4	501.5	499.6	500.7
170°	531.5	527.4	524.3	522.2	518.1	512.9	509.8	507.7	505.6	504.6	505.6
172.5°	525.8	522.5	520.9	520.6	517.2	512.9	511.4	510.1	508.1	507.1	509.0
175°	518.1	517.0	517.0	518.1	516.0	512.9	512.9	512.9	511.8	510.8	512.9
177.5°	514.8	513.9	513.9	515.6	514.8	513.1	513.1	513.9	513.1	513.1	514.8
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333288-940

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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°	12.9	13.8	15.7	18.5	20.3	22.5	23.9	23.1	21.6	20.3	19.2
90°	2.1	4.1	6.2	8.3	10.3	11.4	13.5	14.5	16.6	17.7	18.6
92.5°	15.3	24.1	36.9	54.8	85.0	141.5	236.5	339.5	334.0	270.5	183.6
95°	35.2	43.5	54.9	77.7	124.3	235.2	463.2	749.1	918.0	898.3	744.9
97.5°	58.1	63.8	75.3	95.8	129.3	202.7	369.7	669.0	980.3	1136.7	1109.5
100°	74.6	78.7	90.2	109.9	140.9	201.0	335.7	596.8	935.6	1194.6	1274.4
102.5°	91.2	94.5	106.7	124.8	155.0	208.5	321.6	542.1	856.8	1159.8	1330.0
105°	117.1	122.3	132.6	149.2	178.3	223.8	316.0	489.0	751.2	1048.6	1297.3
107.5°	145.7	150.6	159.2	176.4	202.4	246.6	325.6	466.6	678.4	935.0	1180.4
110°	164.8	168.9	178.3	193.8	220.7	263.1	334.7	460.0	644.4	870.3	1094.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	183.8	187.1	196.4	212.0	238.1	278.9	346.3	460.0	624.6	822.2	1026.2
115°	211.3	214.5	223.8	239.3	265.3	303.6	363.6	463.2	603.1	769.8	940.8
117.5°	237.3	240.6	249.9	267.5	292.6	328.9	383.6	470.0	592.5	738.5	885.6
120°	253.9	258.0	267.3	284.9	310.9	347.1	396.8	476.6	587.5	721.1	855.9
122.5°	270.5	273.8	283.0	302.4	328.2	364.5	411.8	482.4	583.4	706.2	833.5
125°	292.2	297.4	306.7	326.4	353.3	387.5	432.0	492.1	578.2	685.9	800.9
127.5°	310.4	317.1	328.9	349.8	376.7	409.7	450.8	503.1	575.7	667.3	767.8
130°	321.2	329.5	343.0	364.7	391.6	423.7	463.2	509.8	574.0	654.9	747.1
132.5°	330.3	340.3	355.4	378.0	404.9	437.0	473.9	517.2	574.0	644.9	726.3
135°	344.0	356.4	373.0	394.8	422.8	454.9	489.0	527.4	574.0	633.1	699.4
137.5°	360.0	371.6	388.2	409.5	438.3	467.5	500.2	536.7	575.2	622.5	676.6
140°	369.9	382.4	399.0	418.6	446.6	476.6	507.7	540.8	576.0	617.5	664.1
142.5°	380.7	392.3	408.8	427.8	454.1	482.4	511.8	543.3	576.9	613.4	653.4
145°	397.9	408.2	422.8	441.4	465.2	492.1	518.1	546.1	576.0	607.2	639.3
147.5°	415.3	424.2	437.7	453.8	474.7	498.4	521.8	547.1	573.4	600.7	626.1
150°	426.9	434.2	447.6	462.1	479.7	502.5	524.3	547.1	570.9	595.8	618.6
152.5°	437.7	444.1	455.9	469.6	485.5	506.7	525.9	546.3	567.6	590.0	610.3
155°	451.7	458.0	468.3	478.7	493.2	510.8	527.4	543.9	561.6	580.2	597.8
157.5°	465.2	470.2	479.1	488.2	499.2	514.3	528.4	541.3	555.4	571.1	585.4
160°	473.5	477.7	484.9	493.2	502.5	516.0	528.4	538.8	551.3	563.7	577.1
162.5°	481.0	485.1	491.5	498.2	505.9	517.6	527.6	536.3	546.3	557.1	568.0
165°	491.2	494.3	499.4	503.5	509.8	518.1	526.4	532.5	538.8	547.1	555.4
167.5°	499.6	501.5	504.4	507.3	511.2	518.1	523.9	526.7	531.5	537.3	543.3
170°	504.6	505.6	507.7	509.8	512.9	518.1	522.2	524.3	527.4	531.5	536.7
172.5°	507.1	508.1	510.1	511.4	512.9	517.2	520.6	520.9	522.5	525.8	529.2
175°	510.8	511.8	512.9	512.9	512.9	516.0	518.1	517.0	517.0	518.1	521.2
177.5°	513.1	513.1	513.9	513.1	513.1	514.8	515.6	513.9	513.9	514.8	515.6
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



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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°	19.4	17.7	18.0	17.6	17.6	17.3	16.3
90°	19.7	20.7	22.8	22.8	22.8	23.8	23.8
92.5°	133.2	100.3	85.0	71.7	69.2	67.8	66.1
95°	587.5	460.0	373.0	299.4	268.3	260.1	243.5
97.5°	999.1	874.9	753.9	689.8	631.9	601.8	588.5
100°	1223.7	1117.0	1009.1	937.7	863.1	824.7	808.2
102.5°	1361.3	1310.1	1237.2	1160.7	1107.6	1066.0	1053.6
105°	1439.2	1484.8	1473.4	1440.2	1406.0	1385.3	1372.9
107.5°	1369.8	1486.8	1541.0	1557.7	1557.6	1550.7	1542.4
110°	1291.0	1437.1	1525.2	1571.8	1591.5	1598.7	1598.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1213.1	1360.8	1464.6	1532.9	1566.6	1584.7	1592.1
115°	1101.4	1243.3	1356.3	1437.1	1486.8	1515.8	1529.3
117.5°	1024.1	1146.4	1250.0	1330.8	1382.2	1411.0	1419.2
120°	980.2	1094.1	1185.4	1262.0	1311.7	1339.7	1348.0
122.5°	948.7	1050.3	1135.6	1204.0	1249.6	1277.6	1285.0
125°	906.6	996.8	1071.4	1129.4	1171.9	1194.6	1205.1
127.5°	866.4	950.6	1020.4	1073.0	1110.5	1132.1	1136.7
130°	838.2	919.1	986.4	1038.2	1072.4	1093.1	1099.3
132.5°	811.7	885.0	949.9	1001.7	1035.9	1055.0	1062.0
135°	770.9	837.2	896.3	941.8	976.1	994.7	1000.9
137.5°	734.4	789.5	839.7	880.5	911.6	928.8	935.6
140°	712.8	760.5	804.1	842.4	869.3	884.8	890.0
142.5°	694.6	735.7	773.4	805.9	828.7	843.4	847.7
145°	671.4	703.6	731.5	756.3	774.0	785.4	789.5
147.5°	652.1	676.8	697.9	717.6	731.7	738.3	740.2
150°	641.4	661.0	679.7	695.3	707.7	711.9	712.8
152.5°	630.6	648.6	663.2	676.2	686.1	690.3	691.3
155°	614.4	628.9	640.3	650.7	657.9	661.0	662.1
157.5°	599.1	610.3	619.2	627.2	633.3	636.1	636.0
160°	587.5	597.8	605.1	612.3	617.5	619.6	618.6
162.5°	577.6	586.2	592.6	598.2	602.6	603.1	602.8
165°	562.6	568.8	574.0	578.2	580.2	580.2	580.2
167.5°	548.1	552.9	556.6	558.7	560.5	559.7	559.5
170°	539.8	543.0	545.0	547.1	548.1	548.1	547.1
172.5°	532.4	534.7	535.9	536.3	538.1	536.5	535.5
175°	521.2	523.3	523.3	523.3	524.3	522.2	521.2
177.5°	516.4	516.4	516.4	515.6	516.4	513.9	513.9
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9

(END OF REPORT)