

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: P333288-930

Luminaire Tested: **S125DIP-S1090D1205U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333288-930  
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-S1090D1205U930-4F0-1E-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**

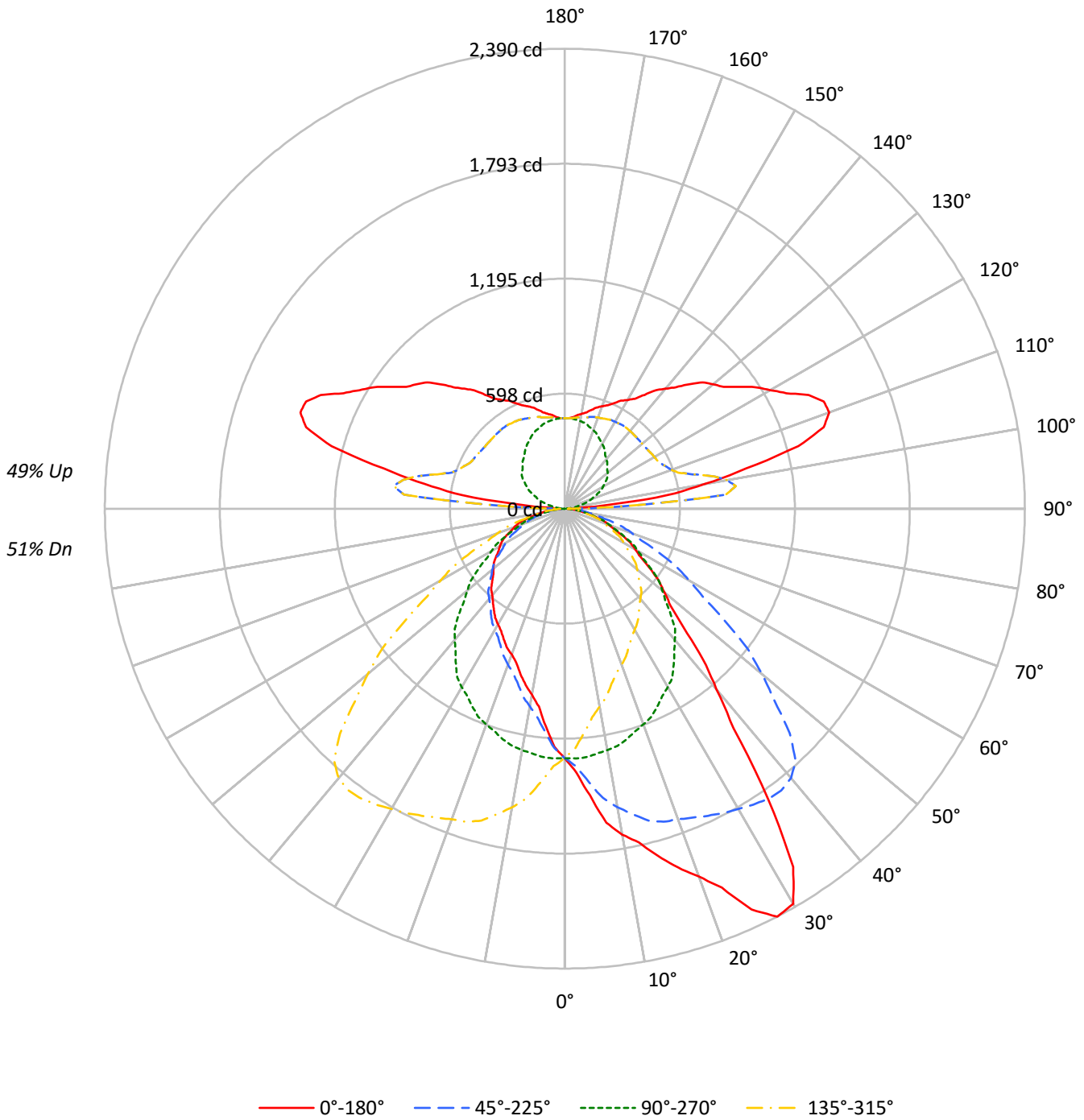
Lumens per Lamp: N/A  
Luminaire Lumens: 7184.8 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 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	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51				51
1	98	94	90	87	91	87	84	81	74	72	69	62	60	59	51	50	49	43				43
2	90	82	76	71	83	76	71	67	65	61	58	55	52	49	45	43	41	37				37
3	82	73	65	60	75	67	61	56	57	53	49	48	45	42	40	37	35	31				31
4	75	64	56	50	69	60	53	48	51	46	42	43	39	36	36	33	31	27				27
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	23				23
6	63	51	43	38	58	48	41	36	41	36	31	35	31	27	29	26	24	21				21
7	59	46	39	33	54	43	36	31	37	32	28	32	28	24	27	23	21	18				18
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	25	21	19	16				16
9	51	38	31	26	47	36	29	25	31	26	22	27	23	19	23	19	17	15				15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13				13

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

	0°	90°	180°	270°
0°	8373	8373	8373	8373
5°	9697	8401	7356	8401
10°	11281	8358	6445	8358
15°	12488	8297	5945	8297
20°	13978	8199	5544	8199
25°	16376	8089	5349	8089
30°	17687	7982	5179	7982
35°	14542	7779	5067	7779
40°	10336	7497	4945	7497
45°	7941	7117	4875	7117
50°	6779	6646	4866	6646
55°	6035	6184	4908	6184
60°	5444	5679	5032	5679
65°	5029	5171	5164	5171
70°	4572	4645	5238	4645
75°	4037	4092	5190	4092
80°	3396	3336	4749	3336
85°	2690	2401	3831	2401



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.8	1.7
10°-20°	371.6	5.2
20°-30°	603.4	8.4
30°-40°	736.0	10.2
40°-50°	669.6	9.3
50°-60°	533.4	7.4
60°-70°	371.5	5.2
70°-80°	198.1	2.8
80°-90°	52.6	0.7
90°-100°	340.6	4.7
100°-110°	732.2	10.2
110°-120°	687.1	9.6
120°-130°	556.9	7.8
130°-140°	446.9	6.2
140°-150°	337.2	4.7
150°-160°	237.4	3.3
160°-170°	139.9	1.9
170°-180°	45.5	0.6
0°-30°	1099.8	15.3
0°-40°	1835.9	25.6
0°-60°	3038.8	42.3
0°-90°	3661.0	51.0
90°-120°	1759.9	24.5
90°-150°	3100.9	43.2
90°-180°	3524.0	49.0
0°-180°	7184.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1296	1296	1296	1296	1296	
5°	1496	1296	1135	1296	1496	151
15°	1868	1241	889	1241	1868	535
25°	2298	1135	751	1135	2298	1050
35°	1844	987	643	987	1844	1129
45°	869	779	534	779	869	696
55°	536	549	436	549	536	483
65°	329	338	338	338	329	327
75°	162	164	208	164	162	174
85°	36	32	52	32	36	42
90°	22	1	22	1	22	16
95°	223	31	223	31	223	315
105°	1255	107	1255	107	1255	1248
115°	1398	191	1398	191	1398	1366
125°	1102	265	1102	265	1102	997
135°	915	311	915	311	915	709
145°	722	362	722	362	722	459
155°	605	413	605	413	605	282
165°	530	451	530	451	530	152
175°	476	469	476	469	476	46
180°	470	470	470	470	470	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1371.3	1369.5	1367.8	1364.2	1366.9	1359.4	1355.9	1349.7	1342.2	1339.6	1336.5
5°	1495.7	1498.4	1501.2	1489.6	1490.7	1483.0	1465.4	1451.1	1439.6	1424.7	1414.2
7.5°	1645.4	1638.8	1638.3	1630.8	1618.0	1607.6	1589.1	1565.5	1542.8	1516.8	1495.3
10°	1720.2	1720.8	1715.8	1707.0	1693.2	1683.3	1659.1	1636.0	1607.9	1574.9	1551.3
12.5°	1776.5	1778.8	1772.6	1760.7	1754.0	1731.8	1712.9	1685.3	1652.0	1625.5	1589.6
15°	1867.7	1861.7	1857.3	1842.3	1830.8	1807.7	1777.4	1748.8	1712.5	1678.9	1645.4
17.5°	1955.5	1960.3	1952.1	1938.5	1902.7	1875.7	1835.1	1795.9	1750.7	1705.7	1665.6
20°	2033.8	2038.2	2025.6	2002.0	1959.0	1932.1	1878.7	1828.1	1775.8	1718.0	1674.0
22.5°	2131.6	2128.1	2111.0	2075.0	2037.8	1987.9	1930.2	1868.6	1803.0	1737.8	1679.3
25°	2298.0	2274.8	2264.4	2219.9	2170.9	2097.7	2018.4	1928.2	1846.7	1760.4	1685.5
27.5°	2390.2	2383.0	2371.3	2340.2	2288.8	2210.5	2117.1	2007.1	1892.2	1783.1	1685.2
30°	2371.7	2372.8	2373.9	2364.0	2331.0	2272.2	2179.1	2060.8	1924.4	1801.6	1688.2
32.5°	2208.0	2228.0	2247.1	2269.8	2279.1	2267.8	2209.5	2102.7	1962.2	1822.8	1686.5
35°	1844.5	1850.6	1912.8	1974.4	2058.1	2123.0	2166.5	2119.1	2000.8	1840.7	1684.4
37.5°	1438.3	1467.9	1511.0	1580.6	1701.4	1809.5	1948.5	2012.4	1974.2	1846.6	1680.6
40°	1226.0	1253.5	1281.7	1352.6	1454.4	1585.3	1743.3	1878.1	1909.5	1828.1	1667.4
42.5°	1062.3	1084.1	1115.2	1168.6	1253.7	1369.7	1520.5	1696.7	1805.2	1774.3	1639.6
45°	869.4	883.2	907.4	949.8	1011.5	1102.2	1235.4	1428.0	1595.9	1651.4	1573.9
47.5°	744.2	744.1	763.0	792.2	836.7	913.8	1012.3	1163.2	1342.5	1475.1	1468.9
50°	674.7	671.9	686.7	712.1	747.3	798.5	892.6	1013.1	1185.3	1335.5	1377.4
52.5°	614.8	615.1	624.3	642.9	672.5	716.2	786.4	895.1	1042.3	1196.5	1275.2
55°	536.0	533.8	544.2	556.9	578.4	607.0	657.6	740.7	860.1	1011.9	1114.4
57.5°	463.7	469.9	474.0	482.8	500.7	519.8	562.5	623.5	718.2	848.6	956.8
60°	421.5	427.5	430.9	439.7	454.0	470.5	503.5	553.0	632.8	745.1	852.4
62.5°	383.7	388.4	389.5	397.4	409.1	425.2	451.1	492.8	555.8	654.0	759.0
65°	329.1	329.1	331.3	339.5	345.0	359.3	379.1	409.4	460.1	536.5	626.2
67.5°	276.5	279.1	278.6	282.2	287.2	298.4	312.6	337.5	375.0	430.9	502.6
70°	242.1	244.3	243.8	246.5	252.0	259.2	270.8	294.4	321.4	369.2	430.9
72.5°	211.3	212.2	210.8	214.4	217.7	224.0	236.8	249.5	274.7	315.1	365.7
75°	161.8	162.9	164.0	166.2	169.5	172.8	179.4	192.1	208.6	238.8	271.3
77.5°	121.3	119.2	121.8	121.5	123.4	125.9	131.8	138.4	152.0	171.1	196.2
80°	91.3	91.9	91.9	92.5	95.2	96.9	101.8	106.7	117.2	131.5	149.1
82.5°	66.7	68.2	67.3	68.2	70.5	71.7	74.5	78.6	84.6	95.9	108.6
85°	36.3	33.6	34.7	35.8	35.8	36.3	38.5	40.2	43.5	47.9	52.8
87.5°	14.9	15.8	16.1	16.1	16.5	16.1	17.7	17.5	18.6	19.7	21.1
90°	21.8	21.8	20.9	20.9	20.9	18.9	18.0	17.0	16.1	15.2	13.3
92.5°	60.4	62.0	63.3	65.6	77.7	91.7	121.8	167.9	247.3	305.4	310.4
95°	222.7	237.8	245.3	273.8	341.0	420.6	537.1	681.1	821.3	839.4	684.9
97.5°	538.1	550.2	577.7	630.7	689.3	800.0	913.5	1014.4	1039.3	896.3	611.6
100°	738.9	754.1	789.1	857.4	922.7	1021.2	1118.8	1165.2	1092.3	855.4	545.7
102.5°	963.3	974.6	1012.7	1061.2	1131.1	1197.8	1244.6	1216.0	1060.5	783.4	495.6
105°	1255.2	1266.6	1285.6	1316.8	1347.1	1357.6	1315.9	1186.1	958.7	686.8	447.1
107.5°	1410.2	1417.8	1424.1	1424.2	1408.9	1359.4	1252.4	1079.2	854.9	620.3	426.6
110°	1461.8	1461.8	1455.1	1437.1	1394.5	1313.9	1180.4	1000.4	795.7	589.2	420.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1455.7	1448.9	1432.4	1401.5	1339.1	1244.2	1109.1	938.2	751.8	571.0	420.6
115°	1398.2	1385.9	1359.4	1313.9	1240.1	1136.8	1007.1	860.2	703.8	551.4	423.5
117.5°	1297.6	1290.1	1263.8	1216.8	1142.9	1048.1	936.4	809.8	675.2	541.7	429.7
120°	1232.5	1224.9	1199.3	1153.9	1083.8	1000.4	896.2	782.5	659.3	537.1	435.8
122.5°	1174.9	1168.1	1142.5	1100.8	1038.3	960.3	867.4	762.1	645.7	533.4	441.1
125°	1101.8	1092.3	1071.5	1032.6	979.6	911.3	828.9	732.3	627.1	528.6	450.0
127.5°	1039.3	1035.1	1015.4	981.0	932.9	869.1	792.1	702.0	610.1	526.4	460.0
130°	1005.1	999.5	980.5	949.3	901.9	840.3	766.4	683.1	598.8	524.8	466.1
132.5°	971.0	964.6	947.1	915.9	868.5	809.2	742.2	664.1	589.6	524.8	472.9
135°	915.2	909.5	892.4	861.1	819.5	765.5	704.8	639.4	578.9	524.8	482.2
137.5°	855.4	849.2	833.5	805.0	767.8	721.9	671.5	618.6	569.2	525.9	490.7
140°	813.8	809.0	794.8	770.2	735.2	695.4	651.8	607.2	564.6	526.7	494.5
142.5°	775.1	771.1	757.7	736.9	707.1	672.6	635.1	597.4	560.8	527.5	496.8
145°	721.9	718.1	707.7	691.5	668.8	643.3	613.8	584.5	555.1	526.7	499.3
147.5°	676.8	675.1	669.0	656.2	638.1	618.8	596.2	572.4	549.3	524.2	500.2
150°	651.8	650.9	647.0	635.7	621.4	604.4	586.4	565.6	544.7	522.0	500.2
152.5°	632.1	631.1	627.3	618.2	606.3	593.0	576.6	558.0	539.4	518.9	499.5
155°	605.4	604.4	601.5	594.9	585.5	575.0	561.7	546.6	530.5	513.5	497.3
157.5°	581.5	581.6	579.0	573.5	566.1	558.0	547.7	535.2	522.2	507.8	494.9
160°	565.6	566.6	564.6	559.9	553.3	546.6	537.1	527.7	515.4	504.0	492.6
162.5°	551.1	551.4	551.0	547.0	541.8	536.0	528.1	519.3	509.3	499.5	490.3
165°	530.5	530.5	530.5	528.6	524.8	520.1	514.4	507.8	500.2	492.6	486.9
167.5°	511.6	511.8	512.5	510.8	508.9	505.5	501.2	496.8	491.3	486.0	481.6
170°	500.2	501.2	501.2	500.2	498.3	496.4	493.6	490.7	486.0	482.2	479.4
172.5°	489.6	490.6	492.0	490.3	490.0	488.9	486.7	483.9	480.7	477.7	476.3
175°	476.5	477.4	479.4	478.4	478.4	478.4	476.5	476.5	473.7	472.7	472.7
177.5°	469.9	469.9	472.1	471.4	472.1	472.1	472.1	471.4	470.7	469.9	469.9
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1333.9	1330.8	1327.3	1321.1	1313.6	1309.7	1303.5	1299.6	1291.6	1285.0	1278.0
5°	1401.6	1387.3	1374.1	1357.0	1338.3	1326.2	1311.9	1295.9	1279.4	1262.3	1243.7
7.5°	1471.7	1446.3	1418.9	1389.3	1360.3	1333.7	1308.2	1283.3	1260.0	1231.8	1207.9
10°	1518.8	1486.9	1452.8	1412.6	1373.5	1339.4	1304.7	1274.5	1243.7	1210.6	1181.5
12.5°	1565.9	1523.4	1475.2	1431.1	1384.1	1342.9	1302.1	1263.5	1224.7	1188.2	1154.1
15°	1599.1	1561.7	1517.1	1454.4	1401.6	1344.9	1290.9	1240.9	1194.1	1153.4	1110.5
17.5°	1621.1	1572.8	1524.9	1464.8	1395.5	1332.1	1271.1	1213.7	1161.0	1109.4	1068.0
20°	1625.0	1575.5	1525.4	1466.5	1395.5	1322.9	1261.8	1193.0	1136.4	1083.0	1032.3
22.5°	1623.7	1567.6	1513.0	1452.5	1383.2	1316.3	1242.4	1172.3	1110.8	1058.3	1005.5
25°	1611.3	1551.3	1483.0	1422.0	1353.7	1282.7	1207.9	1135.2	1072.5	1012.5	960.3
27.5°	1600.9	1523.1	1445.9	1374.6	1308.7	1243.7	1172.0	1097.6	1028.0	967.3	918.0
30°	1588.1	1502.8	1415.8	1341.6	1273.9	1210.6	1143.0	1070.3	997.7	938.2	885.4
32.5°	1576.7	1477.3	1385.5	1304.6	1233.0	1171.4	1109.1	1039.9	968.6	908.3	855.5
35°	1554.5	1439.6	1334.5	1243.1	1166.6	1103.3	1051.1	986.7	921.2	862.8	812.2
37.5°	1526.5	1390.0	1277.2	1181.5	1097.6	1030.9	982.3	932.9	870.0	813.8	768.0
40°	1504.5	1354.8	1235.4	1137.4	1050.5	981.1	936.0	889.2	837.0	784.7	736.3
42.5°	1476.8	1323.1	1193.1	1087.7	1001.6	934.1	886.7	847.0	800.9	752.1	707.2
45°	1425.8	1265.7	1124.8	1011.5	924.5	857.9	808.9	779.2	744.5	698.3	660.3
47.5°	1350.9	1196.6	1050.9	933.9	844.2	782.5	736.6	708.1	683.7	649.3	614.9
50°	1284.3	1145.2	997.7	881.6	791.9	729.7	687.3	661.5	640.5	614.1	585.0
52.5°	1210.0	1080.4	945.3	830.5	741.7	680.4	638.9	616.1	598.7	579.8	551.1
55°	1091.8	981.7	856.2	747.3	665.3	605.3	569.0	549.2	534.9	520.6	503.0
57.5°	961.6	875.5	764.3	664.7	589.2	534.7	500.8	481.5	470.3	463.0	452.7
60°	870.0	796.3	700.5	609.7	536.0	487.5	454.5	439.7	430.3	424.3	416.5
62.5°	785.1	724.5	635.8	552.9	488.4	442.6	413.2	398.8	389.8	386.9	380.5
65°	659.8	613.0	539.8	471.1	416.0	376.9	352.2	338.4	332.9	329.6	330.2
67.5°	536.4	507.9	449.1	390.4	346.6	313.8	294.0	283.4	280.6	276.2	276.1
70°	461.1	439.7	390.1	339.0	299.9	274.6	257.0	246.0	243.2	241.0	240.5
72.5°	394.7	375.9	332.9	291.9	256.7	234.6	220.0	213.4	208.9	207.6	207.5
75°	296.6	286.2	252.0	219.6	195.3	179.9	170.1	164.0	160.7	160.1	160.7
77.5°	210.8	201.7	180.0	157.0	141.8	130.1	121.7	119.6	115.9	116.0	115.4
80°	158.5	152.5	138.7	120.5	107.9	97.9	93.5	89.7	88.6	86.9	88.6
82.5°	114.9	108.4	99.1	87.5	77.0	71.1	66.7	65.5	64.8	64.1	64.4
85°	56.7	57.2	51.7	42.9	38.5	35.2	32.4	32.4	31.9	31.4	31.9
87.5°	21.9	20.5	18.6	17.0	14.3	12.6	11.8	12.1	10.9	10.8	11.7
90°	12.3	10.4	9.5	7.6	5.7	3.8	1.9	1.0	1.9	3.8	5.7
92.5°	216.2	129.4	77.7	50.1	33.8	22.0	14.0	11.6	14.0	22.0	33.8
95°	423.5	215.1	113.7	71.0	50.2	39.8	32.2	31.2	32.2	39.8	50.2
97.5°	338.0	185.3	118.2	87.6	68.8	58.4	53.1	51.9	53.1	58.4	68.8
100°	307.0	183.8	128.8	100.4	82.4	72.0	68.2	66.3	68.2	72.0	82.4
102.5°	294.1	190.6	141.7	114.1	97.6	86.4	83.4	82.3	83.4	86.4	97.6
105°	288.9	204.6	163.0	136.4	121.2	111.8	107.0	107.0	107.0	111.8	121.2
107.5°	297.7	225.4	185.1	161.3	145.5	137.7	133.2	131.3	133.2	137.7	145.5
110°	306.0	240.6	201.8	177.2	163.0	154.4	150.7	148.7	150.7	154.4	163.0





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	316.6	255.0	217.7	193.8	179.6	171.0	168.0	166.2	168.0	171.0	179.6
115°	332.5	277.6	242.6	218.8	204.6	196.1	193.2	191.4	193.2	196.1	204.6
117.5°	350.7	300.7	267.5	244.6	228.5	220.0	217.0	214.1	217.0	220.0	228.5
120°	362.8	317.4	284.2	260.5	244.4	235.9	232.1	229.3	232.1	235.9	244.4
122.5°	376.5	333.3	300.1	276.5	258.8	250.3	247.3	245.2	247.3	250.3	258.8
125°	395.0	354.3	323.0	298.4	280.4	271.9	267.2	265.2	267.2	271.9	280.4
127.5°	412.1	374.5	344.5	319.8	300.7	289.9	283.8	281.0	283.8	289.9	300.7
130°	423.5	387.4	358.1	333.5	313.6	301.3	293.7	290.8	293.7	301.3	313.6
132.5°	433.3	399.6	370.2	345.6	325.0	311.1	302.0	298.4	302.0	311.1	325.0
135°	447.1	415.9	386.5	360.9	341.0	325.9	314.5	310.7	314.5	325.9	341.0
137.5°	457.4	427.5	400.7	374.4	354.9	339.7	329.1	326.3	329.1	339.7	354.9
140°	464.2	435.8	408.3	382.7	364.8	349.6	338.2	335.3	338.2	349.6	364.8
142.5°	468.0	441.1	415.2	391.1	373.8	358.7	348.1	345.9	348.1	358.7	373.8
145°	473.7	450.0	425.3	403.6	386.5	373.2	363.8	361.9	363.8	373.2	386.5
147.5°	477.1	455.7	434.1	414.9	400.1	387.8	379.7	378.5	379.7	387.8	400.1
150°	479.4	459.4	438.6	422.5	409.3	397.0	390.3	388.4	390.3	397.0	409.3
152.5°	480.9	463.3	443.9	429.3	416.9	406.0	400.1	399.0	400.1	406.0	416.9
155°	482.2	467.0	450.9	437.7	428.2	418.7	413.0	413.0	413.0	418.7	428.2
157.5°	483.1	470.3	456.4	446.4	438.1	429.9	425.3	425.6	425.3	429.9	438.1
160°	483.1	471.8	459.4	450.9	443.4	436.8	432.9	433.9	432.9	436.8	443.4
162.5°	482.4	473.3	462.5	455.5	449.4	443.5	439.8	440.7	439.8	443.5	449.4
165°	481.3	473.7	466.1	460.4	456.6	451.9	449.1	450.9	449.1	451.9	456.6
167.5°	479.0	473.7	467.4	463.8	461.1	458.5	456.8	457.8	456.8	458.5	461.1
170°	477.4	473.7	469.0	466.1	464.2	462.3	461.4	462.3	461.4	462.3	464.2
172.5°	476.0	472.9	469.0	467.6	466.4	464.6	463.7	465.4	463.7	464.6	466.4
175°	473.7	471.8	469.0	469.0	469.0	468.0	467.0	469.0	467.0	468.0	469.0
177.5°	471.4	470.7	469.1	469.1	469.9	469.1	469.1	470.7	469.1	469.1	469.9
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



TEST NUMBER: P333288-930

CATALOG NUMBER: S125DIP-S1090D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1274.0	1269.2	1265.2	1256.4	1251.6	1245.0	1239.7	1245.4	1239.3	1241.9	1238.0
5°	1234.3	1218.9	1207.9	1191.9	1178.2	1165.5	1156.2	1154.5	1150.1	1147.9	1141.3
7.5°	1186.5	1167.3	1148.3	1127.4	1109.8	1091.8	1080.4	1071.0	1064.7	1056.5	1050.8
10°	1158.4	1132.5	1110.5	1085.2	1063.2	1043.9	1028.5	1020.8	1013.7	1003.1	999.3
12.5°	1123.6	1096.8	1070.0	1042.9	1021.7	1000.3	987.1	975.4	970.5	958.7	957.5
15°	1081.9	1041.7	1015.3	987.7	958.6	941.0	930.0	917.3	911.8	903.6	897.5
17.5°	1032.1	996.2	963.2	934.7	909.7	894.9	881.3	872.5	863.1	857.7	847.7
20°	996.1	961.9	928.9	898.6	879.4	862.3	851.3	843.0	833.2	830.4	820.5
22.5°	965.6	928.0	896.3	870.9	849.9	830.6	818.7	813.1	806.2	797.8	795.8
25°	916.2	877.2	850.2	824.9	806.2	788.6	780.3	773.1	766.5	760.5	758.3
27.5°	873.5	838.6	806.6	783.7	767.4	751.4	744.1	735.4	730.6	725.7	719.7
30°	843.6	807.8	779.8	757.7	740.1	725.9	718.1	712.1	707.7	703.3	699.9
32.5°	812.8	779.7	752.4	730.9	713.3	702.5	695.7	691.4	686.6	681.3	677.1
35°	772.1	735.7	709.3	690.6	676.9	668.6	660.9	657.0	651.5	651.5	647.1
37.5°	726.2	694.8	671.5	654.4	642.0	634.7	626.3	623.7	620.2	617.8	616.3
40°	698.9	669.7	647.7	630.6	617.4	611.4	604.8	600.4	598.2	595.4	594.3
42.5°	670.7	642.9	621.7	606.0	594.5	589.4	583.2	580.1	575.7	572.1	571.4
45°	627.9	600.9	581.6	569.0	559.1	553.0	549.2	542.6	540.4	536.0	535.4
47.5°	587.3	561.4	542.5	532.1	523.4	518.4	512.4	505.8	503.3	501.1	500.8
50°	556.9	533.2	515.6	505.7	497.5	490.3	484.3	479.9	478.2	478.2	479.3
52.5°	526.1	505.9	491.0	478.8	471.1	463.4	457.9	455.2	452.7	455.3	457.3
55°	480.9	460.6	449.6	438.1	430.3	421.5	418.7	417.7	416.0	420.4	422.7
57.5°	433.2	418.9	406.0	394.5	387.6	382.5	378.8	378.1	381.2	383.4	390.4
60°	402.8	386.3	374.7	365.9	357.7	354.4	353.3	352.2	354.4	360.4	369.8
62.5°	369.3	356.0	343.5	336.9	330.8	325.3	325.1	325.8	330.2	337.1	346.4
65°	320.2	308.7	300.4	292.8	287.8	284.5	285.6	287.8	292.8	302.1	312.6
67.5°	270.4	262.5	255.1	248.8	244.1	244.1	245.2	248.5	254.4	265.1	274.7
70°	238.3	229.5	223.4	220.7	216.8	214.6	217.9	223.4	228.4	238.3	246.5
72.5°	206.1	198.7	194.0	192.1	190.4	188.7	189.7	195.7	202.4	212.3	221.8
75°	158.5	155.7	152.5	150.3	148.5	149.7	150.7	156.3	161.8	172.3	183.3
77.5°	115.7	112.8	110.8	110.3	109.4	110.0	113.0	117.1	122.5	130.1	138.4
80°	87.5	86.4	85.3	84.7	84.7	85.3	89.7	92.5	97.4	104.5	111.1
82.5°	63.8	63.0	62.9	62.7	63.2	63.3	66.0	69.5	73.6	79.0	84.7
85°	33.6	32.4	34.1	34.7	33.6	35.2	36.3	38.5	40.2	42.9	45.7
87.5°	12.6	13.8	13.5	14.3	14.5	15.8	15.6	17.5	18.6	19.6	19.6
90°	7.6	9.5	10.4	12.3	13.3	15.2	16.1	17.0	18.0	18.9	20.9
92.5°	50.1	77.7	129.4	216.2	310.4	305.4	247.3	167.9	121.8	91.7	77.7
95°	71.0	113.7	215.1	423.5	684.9	839.4	821.3	681.1	537.1	420.6	341.0
97.5°	87.6	118.2	185.3	338.0	611.6	896.3	1039.3	1014.4	913.5	800.0	689.3
100°	100.4	128.8	183.8	307.0	545.7	855.4	1092.3	1165.2	1118.8	1021.2	922.7
102.5°	114.1	141.7	190.6	294.1	495.6	783.4	1060.5	1216.0	1244.6	1197.8	1131.1
105°	136.4	163.0	204.6	288.9	447.1	686.8	958.7	1186.1	1315.9	1357.6	1347.1
107.5°	161.3	185.1	225.4	297.7	426.6	620.3	854.9	1079.2	1252.4	1359.4	1408.9
110°	177.2	201.8	240.6	306.0	420.6	589.2	795.7	1000.4	1180.4	1313.9	1394.5



TEST NUMBER: P333288-930

CATALOG NUMBER: S125DIP-S1090D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	193.8	217.7	255.0	316.6	420.6	571.0	751.8	938.2	1109.1	1244.2	1339.1
115°	218.8	242.6	277.6	332.5	423.5	551.4	703.8	860.2	1007.1	1136.8	1240.1
117.5°	244.6	267.5	300.7	350.7	429.7	541.7	675.2	809.8	936.4	1048.1	1142.9
120°	260.5	284.2	317.4	362.8	435.8	537.1	659.3	782.5	896.2	1000.4	1083.8
122.5°	276.5	300.1	333.3	376.5	441.1	533.4	645.7	762.1	867.4	960.3	1038.3
125°	298.4	323.0	354.3	395.0	450.0	528.6	627.1	732.3	828.9	911.3	979.6
127.5°	319.8	344.5	374.5	412.1	460.0	526.4	610.1	702.0	792.1	869.1	932.9
130°	333.5	358.1	387.4	423.5	466.1	524.8	598.8	683.1	766.4	840.3	901.9
132.5°	345.6	370.2	399.6	433.3	472.9	524.8	589.6	664.1	742.2	809.2	868.5
135°	360.9	386.5	415.9	447.1	482.2	524.8	578.9	639.4	704.8	765.5	819.5
137.5°	374.4	400.7	427.5	457.4	490.7	525.9	569.2	618.6	671.5	721.9	767.8
140°	382.7	408.3	435.8	464.2	494.5	526.7	564.6	607.2	651.8	695.4	735.2
142.5°	391.1	415.2	441.1	468.0	496.8	527.5	560.8	597.4	635.1	672.6	707.1
145°	403.6	425.3	450.0	473.7	499.3	526.7	555.1	584.5	613.8	643.3	668.8
147.5°	414.9	434.1	455.7	477.1	500.2	524.2	549.3	572.4	596.2	618.8	638.1
150°	422.5	438.6	459.4	479.4	500.2	522.0	544.7	565.6	586.4	604.4	621.4
152.5°	429.3	443.9	463.3	480.9	499.5	518.9	539.4	558.0	576.6	593.0	606.3
155°	437.7	450.9	467.0	482.2	497.3	513.5	530.5	546.6	561.7	575.0	585.5
157.5°	446.4	456.4	470.3	483.1	494.9	507.8	522.2	535.2	547.7	558.0	566.1
160°	450.9	459.4	471.8	483.1	492.6	504.0	515.4	527.7	537.1	546.6	553.3
162.5°	455.5	462.5	473.3	482.4	490.3	499.5	509.3	519.3	528.1	536.0	541.8
165°	460.4	466.1	473.7	481.3	486.9	492.6	500.2	507.8	514.4	520.1	524.8
167.5°	463.8	467.4	473.7	479.0	481.6	486.0	491.3	496.8	501.2	505.5	508.9
170°	466.1	469.0	473.7	477.4	479.4	482.2	486.0	490.7	493.6	496.4	498.3
172.5°	467.6	469.0	472.9	476.0	476.3	477.7	480.7	483.9	486.7	488.9	490.0
175°	469.0	469.0	471.8	473.7	472.7	472.7	473.7	476.5	476.5	478.4	478.4
177.5°	469.1	469.1	470.7	471.4	469.9	469.9	470.7	471.4	472.1	472.1	472.1
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



TEST NUMBER: P333288-930  
 CATALOG NUMBER: S125DIP-S1090D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1235.3	1238.4	1235.7	1239.3	1235.7	1238.4	1235.3	1238.0	1241.9	1239.3	1245.4
5°	1138.6	1133.6	1136.9	1134.7	1136.9	1133.6	1138.6	1141.3	1147.9	1150.1	1154.5
7.5°	1049.2	1044.5	1039.0	1036.5	1039.0	1044.5	1049.2	1050.8	1056.5	1064.7	1071.0
10°	993.3	987.2	986.7	982.8	986.7	987.2	993.3	999.3	1003.1	1013.7	1020.8
12.5°	952.4	946.7	940.4	938.8	940.4	946.7	952.4	957.5	958.7	970.5	975.4
15°	894.2	889.8	886.0	889.2	886.0	889.8	894.2	897.5	903.6	911.8	917.3
17.5°	845.9	842.3	841.6	837.6	841.6	842.3	845.9	847.7	857.7	863.1	872.5
20°	815.5	812.8	813.9	806.7	813.9	812.8	815.5	820.5	830.4	833.2	843.0
22.5°	791.3	785.9	785.3	783.8	785.3	785.9	791.3	795.8	797.8	806.2	813.1
25°	753.3	750.6	747.9	750.6	747.9	750.6	753.3	758.3	760.5	766.5	773.1
27.5°	720.2	716.9	716.2	716.5	716.2	716.9	720.2	719.7	725.7	730.6	735.4
30°	699.9	694.5	695.0	694.5	695.0	694.5	699.9	699.9	703.3	707.7	712.1
32.5°	677.9	674.2	673.4	672.5	673.4	674.2	677.9	677.1	681.3	686.6	691.4
35°	645.5	645.5	642.7	642.7	642.7	645.5	645.5	647.1	651.5	651.5	657.0
37.5°	615.0	614.4	612.8	613.0	612.8	614.4	615.0	616.3	617.8	620.2	623.7
40°	592.1	591.6	589.9	586.6	589.9	591.6	592.1	594.3	595.4	598.2	600.4
42.5°	570.1	568.3	567.4	566.4	567.4	568.3	570.1	571.4	572.1	575.7	580.1
45°	535.4	535.4	534.3	533.8	534.3	535.4	535.4	535.4	536.0	540.4	542.6
47.5°	501.7	502.7	504.8	504.5	504.8	502.7	501.7	500.8	501.1	503.3	505.8
50°	481.5	482.1	483.7	484.3	483.7	482.1	481.5	479.3	478.2	478.2	479.9
52.5°	459.0	462.3	464.3	464.0	464.3	462.3	459.0	457.3	455.3	452.7	455.2
55°	427.5	431.5	435.3	435.9	435.3	431.5	427.5	422.7	420.4	416.0	417.7
57.5°	396.4	401.8	405.9	407.2	405.9	401.8	396.4	390.4	383.4	381.2	378.1
60°	375.3	382.5	387.4	389.6	387.4	382.5	375.3	369.8	360.4	354.4	352.2
62.5°	355.1	363.1	368.0	368.4	368.0	363.1	355.1	346.4	337.1	330.2	325.8
65°	321.9	330.2	334.6	337.9	334.6	330.2	321.9	312.6	302.1	292.8	287.8
67.5°	286.3	294.5	299.4	302.0	299.4	294.5	286.3	274.7	265.1	254.4	248.5
70°	260.3	268.6	275.2	277.4	275.2	268.6	260.3	246.5	238.3	228.4	223.4
72.5°	234.7	242.1	247.4	250.1	247.4	242.1	234.7	221.8	212.3	202.4	195.7
75°	190.4	200.3	205.3	208.0	205.3	200.3	190.4	183.3	172.3	161.8	156.3
77.5°	146.8	155.8	158.8	160.2	158.8	155.8	146.8	138.4	130.1	122.5	117.1
80°	117.7	123.3	127.1	127.7	127.1	123.3	117.7	111.1	104.5	97.4	92.5
82.5°	90.5	95.1	96.3	97.8	96.3	95.1	90.5	84.7	79.0	73.6	69.5
85°	49.5	51.7	52.3	51.7	52.3	51.7	49.5	45.7	42.9	40.2	38.5
87.5°	20.5	20.1	20.2	21.1	20.2	20.1	20.5	19.6	19.6	18.6	17.5
90°	20.9	20.9	21.8	21.8	21.8	20.9	20.9	20.9	18.9	18.0	17.0
92.5°	65.6	63.3	62.0	60.4	62.0	63.3	65.6	77.7	91.7	121.8	167.9
95°	273.8	245.3	237.8	222.7	237.8	245.3	273.8	341.0	420.6	537.1	681.1
97.5°	630.7	577.7	550.2	538.1	550.2	577.7	630.7	689.3	800.0	913.5	1014.4
100°	857.4	789.1	754.1	738.9	754.1	789.1	857.4	922.7	1021.2	1118.8	1165.2
102.5°	1061.2	1012.7	974.6	963.3	974.6	1012.7	1061.2	1131.1	1197.8	1244.6	1216.0
105°	1316.8	1285.6	1266.6	1255.2	1266.6	1285.6	1316.8	1347.1	1357.6	1315.9	1186.1
107.5°	1424.2	1424.1	1417.8	1410.2	1417.8	1424.1	1424.2	1408.9	1359.4	1252.4	1079.2
110°	1437.1	1455.1	1461.8	1461.8	1461.8	1455.1	1437.1	1394.5	1313.9	1180.4	1000.4



TEST NUMBER: P333288-930  
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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1401.5	1432.4	1448.9	1455.7	1448.9	1432.4	1401.5	1339.1	1244.2	1109.1	938.2
115°	1313.9	1359.4	1385.9	1398.2	1385.9	1359.4	1313.9	1240.1	1136.8	1007.1	860.2
117.5°	1216.8	1263.8	1290.1	1297.6	1290.1	1263.8	1216.8	1142.9	1048.1	936.4	809.8
120°	1153.9	1199.3	1224.9	1232.5	1224.9	1199.3	1153.9	1083.8	1000.4	896.2	782.5
122.5°	1100.8	1142.5	1168.1	1174.9	1168.1	1142.5	1100.8	1038.3	960.3	867.4	762.1
125°	1032.6	1071.5	1092.3	1101.8	1092.3	1071.5	1032.6	979.6	911.3	828.9	732.3
127.5°	981.0	1015.4	1035.1	1039.3	1035.1	1015.4	981.0	932.9	869.1	792.1	702.0
130°	949.3	980.5	999.5	1005.1	999.5	980.5	949.3	901.9	840.3	766.4	683.1
132.5°	915.9	947.1	964.6	971.0	964.6	947.1	915.9	868.5	809.2	742.2	664.1
135°	861.1	892.4	909.5	915.2	909.5	892.4	861.1	819.5	765.5	704.8	639.4
137.5°	805.0	833.5	849.2	855.4	849.2	833.5	805.0	767.8	721.9	671.5	618.6
140°	770.2	794.8	809.0	813.8	809.0	794.8	770.2	735.2	695.4	651.8	607.2
142.5°	736.9	757.7	771.1	775.1	771.1	757.7	736.9	707.1	672.6	635.1	597.4
145°	691.5	707.7	718.1	721.9	718.1	707.7	691.5	668.8	643.3	613.8	584.5
147.5°	656.2	669.0	675.1	676.8	675.1	669.0	656.2	638.1	618.8	596.2	572.4
150°	635.7	647.0	650.9	651.8	650.9	647.0	635.7	621.4	604.4	586.4	565.6
152.5°	618.2	627.3	631.1	632.1	631.1	627.3	618.2	606.3	593.0	576.6	558.0
155°	594.9	601.5	604.4	605.4	604.4	601.5	594.9	585.5	575.0	561.7	546.6
157.5°	573.5	579.0	581.6	581.5	581.6	579.0	573.5	566.1	558.0	547.7	535.2
160°	559.9	564.6	566.6	565.6	566.6	564.6	559.9	553.3	546.6	537.1	527.7
162.5°	547.0	551.0	551.4	551.1	551.4	551.0	547.0	541.8	536.0	528.1	519.3
165°	528.6	530.5	530.5	530.5	530.5	530.5	528.6	524.8	520.1	514.4	507.8
167.5°	510.8	512.5	511.8	511.6	511.8	512.5	510.8	508.9	505.5	501.2	496.8
170°	500.2	501.2	501.2	500.2	501.2	501.2	500.2	498.3	496.4	493.6	490.7
172.5°	490.3	492.0	490.6	489.6	490.6	492.0	490.3	490.0	488.9	486.7	483.9
175°	478.4	479.4	477.4	476.5	477.4	479.4	478.4	478.4	478.4	476.5	476.5
177.5°	471.4	472.1	469.9	469.9	469.9	472.1	471.4	472.1	472.1	472.1	471.4
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



TEST NUMBER: P333288-930

CATALOG NUMBER: S125DIP-S1090D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1239.7	1245.0	1251.6	1256.4	1265.2	1269.2	1274.0	1278.0	1285.0	1291.6	1299.6
5°	1156.2	1165.5	1178.2	1191.9	1207.9	1218.9	1234.3	1243.7	1262.3	1279.4	1295.9
7.5°	1080.4	1091.8	1109.8	1127.4	1148.3	1167.3	1186.5	1207.9	1231.8	1260.0	1283.3
10°	1028.5	1043.9	1063.2	1085.2	1110.5	1132.5	1158.4	1181.5	1210.6	1243.7	1274.5
12.5°	987.1	1000.3	1021.7	1042.9	1070.0	1096.8	1123.6	1154.1	1188.2	1224.7	1263.5
15°	930.0	941.0	958.6	987.7	1015.3	1041.7	1081.9	1110.5	1153.4	1194.1	1240.9
17.5°	881.3	894.9	909.7	934.7	963.2	996.2	1032.1	1068.0	1109.4	1161.0	1213.7
20°	851.3	862.3	879.4	898.6	928.9	961.9	996.1	1032.3	1083.0	1136.4	1193.0
22.5°	818.7	830.6	849.9	870.9	896.3	928.0	965.6	1005.5	1058.3	1110.8	1172.3
25°	780.3	788.6	806.2	824.9	850.2	877.2	916.2	960.3	1012.5	1072.5	1135.2
27.5°	744.1	751.4	767.4	783.7	806.6	838.6	873.5	918.0	967.3	1028.0	1097.6
30°	718.1	725.9	740.1	757.7	779.8	807.8	843.6	885.4	938.2	997.7	1070.3
32.5°	695.7	702.5	713.3	730.9	752.4	779.7	812.8	855.5	908.3	968.6	1039.9
35°	660.9	668.6	676.9	690.6	709.3	735.7	772.1	812.2	862.8	921.2	986.7
37.5°	626.3	634.7	642.0	654.4	671.5	694.8	726.2	768.0	813.8	870.0	932.9
40°	604.8	611.4	617.4	630.6	647.7	669.7	698.9	736.3	784.7	837.0	889.2
42.5°	583.2	589.4	594.5	606.0	621.7	642.9	670.7	707.2	752.1	800.9	847.0
45°	549.2	553.0	559.1	569.0	581.6	600.9	627.9	660.3	698.3	744.5	779.2
47.5°	512.4	518.4	523.4	532.1	542.5	561.4	587.3	614.9	649.3	683.7	708.1
50°	484.3	490.3	497.5	505.7	515.6	533.2	556.9	585.0	614.1	640.5	661.5
52.5°	457.9	463.4	471.1	478.8	491.0	505.9	526.1	551.1	579.8	598.7	616.1
55°	418.7	421.5	430.3	438.1	449.6	460.6	480.9	503.0	520.6	534.9	549.2
57.5°	378.8	382.5	387.6	394.5	406.0	418.9	433.2	452.7	463.0	470.3	481.5
60°	353.3	354.4	357.7	365.9	374.7	386.3	402.8	416.5	424.3	430.3	439.7
62.5°	325.1	325.3	330.8	336.9	343.5	356.0	369.3	380.5	386.9	389.8	398.8
65°	285.6	284.5	287.8	292.8	300.4	308.7	320.2	330.2	329.6	332.9	338.4
67.5°	245.2	244.1	244.1	248.8	255.1	262.5	270.4	276.1	276.2	280.6	283.4
70°	217.9	214.6	216.8	220.7	223.4	229.5	238.3	240.5	241.0	243.2	246.0
72.5°	189.7	188.7	190.4	192.1	194.0	198.7	206.1	207.5	207.6	208.9	213.4
75°	150.7	149.7	148.5	150.3	152.5	155.7	158.5	160.7	160.1	160.7	164.0
77.5°	113.0	110.0	109.4	110.3	110.8	112.8	115.7	115.4	116.0	115.9	119.6
80°	89.7	85.3	84.7	84.7	85.3	86.4	87.5	88.6	86.9	88.6	89.7
82.5°	66.0	63.3	63.2	62.7	62.9	63.0	63.8	64.4	64.1	64.8	65.5
85°	36.3	35.2	33.6	34.7	34.1	32.4	33.6	31.9	31.4	31.9	32.4
87.5°	15.6	15.8	14.5	14.3	13.5	13.8	12.6	11.7	10.8	10.9	12.1
90°	16.1	15.2	13.3	12.3	10.4	9.5	7.6	5.7	3.8	1.9	1.0
92.5°	247.3	305.4	310.4	216.2	129.4	77.7	50.1	33.8	22.0	14.0	11.6
95°	821.3	839.4	684.9	423.5	215.1	113.7	71.0	50.2	39.8	32.2	31.2
97.5°	1039.3	896.3	611.6	338.0	185.3	118.2	87.6	68.8	58.4	53.1	51.9
100°	1092.3	855.4	545.7	307.0	183.8	128.8	100.4	82.4	72.0	68.2	66.3
102.5°	1060.5	783.4	495.6	294.1	190.6	141.7	114.1	97.6	86.4	83.4	82.3
105°	958.7	686.8	447.1	288.9	204.6	163.0	136.4	121.2	111.8	107.0	107.0
107.5°	854.9	620.3	426.6	297.7	225.4	185.1	161.3	145.5	137.7	133.2	131.3
110°	795.7	589.2	420.6	306.0	240.6	201.8	177.2	163.0	154.4	150.7	148.7



TEST NUMBER: P333288-930

CATALOG NUMBER: S125DIP-S1090D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	751.8	571.0	420.6	316.6	255.0	217.7	193.8	179.6	171.0	168.0	166.2
115°	703.8	551.4	423.5	332.5	277.6	242.6	218.8	204.6	196.1	193.2	191.4
117.5°	675.2	541.7	429.7	350.7	300.7	267.5	244.6	228.5	220.0	217.0	214.1
120°	659.3	537.1	435.8	362.8	317.4	284.2	260.5	244.4	235.9	232.1	229.3
122.5°	645.7	533.4	441.1	376.5	333.3	300.1	276.5	258.8	250.3	247.3	245.2
125°	627.1	528.6	450.0	395.0	354.3	323.0	298.4	280.4	271.9	267.2	265.2
127.5°	610.1	526.4	460.0	412.1	374.5	344.5	319.8	300.7	289.9	283.8	281.0
130°	598.8	524.8	466.1	423.5	387.4	358.1	333.5	313.6	301.3	293.7	290.8
132.5°	589.6	524.8	472.9	433.3	399.6	370.2	345.6	325.0	311.1	302.0	298.4
135°	578.9	524.8	482.2	447.1	415.9	386.5	360.9	341.0	325.9	314.5	310.7
137.5°	569.2	525.9	490.7	457.4	427.5	400.7	374.4	354.9	339.7	329.1	326.3
140°	564.6	526.7	494.5	464.2	435.8	408.3	382.7	364.8	349.6	338.2	335.3
142.5°	560.8	527.5	496.8	468.0	441.1	415.2	391.1	373.8	358.7	348.1	345.9
145°	555.1	526.7	499.3	473.7	450.0	425.3	403.6	386.5	373.2	363.8	361.9
147.5°	549.3	524.2	500.2	477.1	455.7	434.1	414.9	400.1	387.8	379.7	378.5
150°	544.7	522.0	500.2	479.4	459.4	438.6	422.5	409.3	397.0	390.3	388.4
152.5°	539.4	518.9	499.5	480.9	463.3	443.9	429.3	416.9	406.0	400.1	399.0
155°	530.5	513.5	497.3	482.2	467.0	450.9	437.7	428.2	418.7	413.0	413.0
157.5°	522.2	507.8	494.9	483.1	470.3	456.4	446.4	438.1	429.9	425.3	425.6
160°	515.4	504.0	492.6	483.1	471.8	459.4	450.9	443.4	436.8	432.9	433.9
162.5°	509.3	499.5	490.3	482.4	473.3	462.5	455.5	449.4	443.5	439.8	440.7
165°	500.2	492.6	486.9	481.3	473.7	466.1	460.4	456.6	451.9	449.1	450.9
167.5°	491.3	486.0	481.6	479.0	473.7	467.4	463.8	461.1	458.5	456.8	457.8
170°	486.0	482.2	479.4	477.4	473.7	469.0	466.1	464.2	462.3	461.4	462.3
172.5°	480.7	477.7	476.3	476.0	472.9	469.0	467.6	466.4	464.6	463.7	465.4
175°	473.7	472.7	472.7	473.7	471.8	469.0	469.0	469.0	468.0	467.0	469.0
177.5°	470.7	469.9	469.9	471.4	470.7	469.1	469.1	469.9	469.1	469.1	470.7
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



TEST NUMBER: P333288-930  
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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1303.5	1309.7	1313.6	1321.1	1327.3	1330.8	1333.9	1336.5	1339.6	1342.2	1349.7
5°	1311.9	1326.2	1338.3	1357.0	1374.1	1387.3	1401.6	1414.2	1424.7	1439.6	1451.1
7.5°	1308.2	1333.7	1360.3	1389.3	1418.9	1446.3	1471.7	1495.3	1516.8	1542.8	1565.5
10°	1304.7	1339.4	1373.5	1412.6	1452.8	1486.9	1518.8	1551.3	1574.9	1607.9	1636.0
12.5°	1302.1	1342.9	1384.1	1431.1	1475.2	1523.4	1565.9	1589.6	1625.5	1652.0	1685.3
15°	1290.9	1344.9	1401.6	1454.4	1517.1	1561.7	1599.1	1645.4	1678.9	1712.5	1748.8
17.5°	1271.1	1332.1	1395.5	1464.8	1524.9	1572.8	1621.1	1665.6	1705.7	1750.7	1795.9
20°	1261.8	1322.9	1395.5	1466.5	1525.4	1575.5	1625.0	1674.0	1718.0	1775.8	1828.1
22.5°	1242.4	1316.3	1383.2	1452.5	1513.0	1567.6	1623.7	1679.3	1737.8	1803.0	1868.6
25°	1207.9	1282.7	1353.7	1422.0	1483.0	1551.3	1611.3	1685.5	1760.4	1846.7	1928.2
27.5°	1172.0	1243.7	1308.7	1374.6	1445.9	1523.1	1600.9	1685.2	1783.1	1892.2	2007.1
30°	1143.0	1210.6	1273.9	1341.6	1415.8	1502.8	1588.1	1688.2	1801.6	1924.4	2060.8
32.5°	1109.1	1171.4	1233.0	1304.6	1385.5	1477.3	1576.7	1686.5	1822.8	1962.2	2102.7
35°	1051.1	1103.3	1166.6	1243.1	1334.5	1439.6	1554.5	1684.4	1840.7	2000.8	2119.1
37.5°	982.3	1030.9	1097.6	1181.5	1277.2	1390.0	1526.5	1680.6	1846.6	1974.2	2012.4
40°	936.0	981.1	1050.5	1137.4	1235.4	1354.8	1504.5	1667.4	1828.1	1909.5	1878.1
42.5°	886.7	934.1	1001.6	1087.7	1193.1	1323.1	1476.8	1639.6	1774.3	1805.2	1696.7
45°	808.9	857.9	924.5	1011.5	1124.8	1265.7	1425.8	1573.9	1651.4	1595.9	1428.0
47.5°	736.6	782.5	844.2	933.9	1050.9	1196.6	1350.9	1468.9	1475.1	1342.5	1163.2
50°	687.3	729.7	791.9	881.6	997.7	1145.2	1284.3	1377.4	1335.5	1185.3	1013.1
52.5°	638.9	680.4	741.7	830.5	945.3	1080.4	1210.0	1275.2	1196.5	1042.3	895.1
55°	569.0	605.3	665.3	747.3	856.2	981.7	1091.8	1114.4	1011.9	860.1	740.7
57.5°	500.8	534.7	589.2	664.7	764.3	875.5	961.6	956.8	848.6	718.2	623.5
60°	454.5	487.5	536.0	609.7	700.5	796.3	870.0	852.4	745.1	632.8	553.0
62.5°	413.2	442.6	488.4	552.9	635.8	724.5	785.1	759.0	654.0	555.8	492.8
65°	352.2	376.9	416.0	471.1	539.8	613.0	659.8	626.2	536.5	460.1	409.4
67.5°	294.0	313.8	346.6	390.4	449.1	507.9	536.4	502.6	430.9	375.0	337.5
70°	257.0	274.6	299.9	339.0	390.1	439.7	461.1	430.9	369.2	321.4	294.4
72.5°	220.0	234.6	256.7	291.9	332.9	375.9	394.7	365.7	315.1	274.7	249.5
75°	170.1	179.9	195.3	219.6	252.0	286.2	296.6	271.3	238.8	208.6	192.1
77.5°	121.7	130.1	141.8	157.0	180.0	201.7	210.8	196.2	171.1	152.0	138.4
80°	93.5	97.9	107.9	120.5	138.7	152.5	158.5	149.1	131.5	117.2	106.7
82.5°	66.7	71.1	77.0	87.5	99.1	108.4	114.9	108.6	95.9	84.6	78.6
85°	32.4	35.2	38.5	42.9	51.7	57.2	56.7	52.8	47.9	43.5	40.2
87.5°	11.8	12.6	14.3	17.0	18.6	20.5	21.9	21.1	19.7	18.6	17.5
90°	1.9	3.8	5.7	7.6	9.5	10.4	12.3	13.3	15.2	16.1	17.0
92.5°	14.0	22.0	33.8	50.1	77.7	129.4	216.2	310.4	305.4	247.3	167.9
95°	32.2	39.8	50.2	71.0	113.7	215.1	423.5	684.9	839.4	821.3	681.1
97.5°	53.1	58.4	68.8	87.6	118.2	185.3	338.0	611.6	896.3	1039.3	1014.4
100°	68.2	72.0	82.4	100.4	128.8	183.8	307.0	545.7	855.4	1092.3	1165.2
102.5°	83.4	86.4	97.6	114.1	141.7	190.6	294.1	495.6	783.4	1060.5	1216.0
105°	107.0	111.8	121.2	136.4	163.0	204.6	288.9	447.1	686.8	958.7	1186.1
107.5°	133.2	137.7	145.5	161.3	185.1	225.4	297.7	426.6	620.3	854.9	1079.2
110°	150.7	154.4	163.0	177.2	201.8	240.6	306.0	420.6	589.2	795.7	1000.4





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	168.0	171.0	179.6	193.8	217.7	255.0	316.6	420.6	571.0	751.8	938.2
115°	193.2	196.1	204.6	218.8	242.6	277.6	332.5	423.5	551.4	703.8	860.2
117.5°	217.0	220.0	228.5	244.6	267.5	300.7	350.7	429.7	541.7	675.2	809.8
120°	232.1	235.9	244.4	260.5	284.2	317.4	362.8	435.8	537.1	659.3	782.5
122.5°	247.3	250.3	258.8	276.5	300.1	333.3	376.5	441.1	533.4	645.7	762.1
125°	267.2	271.9	280.4	298.4	323.0	354.3	395.0	450.0	528.6	627.1	732.3
127.5°	283.8	289.9	300.7	319.8	344.5	374.5	412.1	460.0	526.4	610.1	702.0
130°	293.7	301.3	313.6	333.5	358.1	387.4	423.5	466.1	524.8	598.8	683.1
132.5°	302.0	311.1	325.0	345.6	370.2	399.6	433.3	472.9	524.8	589.6	664.1
135°	314.5	325.9	341.0	360.9	386.5	415.9	447.1	482.2	524.8	578.9	639.4
137.5°	329.1	339.7	354.9	374.4	400.7	427.5	457.4	490.7	525.9	569.2	618.6
140°	338.2	349.6	364.8	382.7	408.3	435.8	464.2	494.5	526.7	564.6	607.2
142.5°	348.1	358.7	373.8	391.1	415.2	441.1	468.0	496.8	527.5	560.8	597.4
145°	363.8	373.2	386.5	403.6	425.3	450.0	473.7	499.3	526.7	555.1	584.5
147.5°	379.7	387.8	400.1	414.9	434.1	455.7	477.1	500.2	524.2	549.3	572.4
150°	390.3	397.0	409.3	422.5	438.6	459.4	479.4	500.2	522.0	544.7	565.6
152.5°	400.1	406.0	416.9	429.3	443.9	463.3	480.9	499.5	518.9	539.4	558.0
155°	413.0	418.7	428.2	437.7	450.9	467.0	482.2	497.3	513.5	530.5	546.6
157.5°	425.3	429.9	438.1	446.4	456.4	470.3	483.1	494.9	507.8	522.2	535.2
160°	432.9	436.8	443.4	450.9	459.4	471.8	483.1	492.6	504.0	515.4	527.7
162.5°	439.8	443.5	449.4	455.5	462.5	473.3	482.4	490.3	499.5	509.3	519.3
165°	449.1	451.9	456.6	460.4	466.1	473.7	481.3	486.9	492.6	500.2	507.8
167.5°	456.8	458.5	461.1	463.8	467.4	473.7	479.0	481.6	486.0	491.3	496.8
170°	461.4	462.3	464.2	466.1	469.0	473.7	477.4	479.4	482.2	486.0	490.7
172.5°	463.7	464.6	466.4	467.6	469.0	472.9	476.0	476.3	477.7	480.7	483.9
175°	467.0	468.0	469.0	469.0	469.0	471.8	473.7	472.7	472.7	473.7	476.5
177.5°	469.1	469.1	469.9	469.1	469.1	470.7	471.4	469.9	469.9	470.7	471.4
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1355.9	1359.4	1366.9	1364.2	1367.8	1369.5	1371.3
5°	1465.4	1483.0	1490.7	1489.6	1501.2	1498.4	1495.7
7.5°	1589.1	1607.6	1618.0	1630.8	1638.3	1638.8	1645.4
10°	1659.1	1683.3	1693.2	1707.0	1715.8	1720.8	1720.2
12.5°	1712.9	1731.8	1754.0	1760.7	1772.6	1778.8	1776.5
15°	1777.4	1807.7	1830.8	1842.3	1857.3	1861.7	1867.7
17.5°	1835.1	1875.7	1902.7	1938.5	1952.1	1960.3	1955.5
20°	1878.7	1932.1	1959.0	2002.0	2025.6	2038.2	2033.8
22.5°	1930.2	1987.9	2037.8	2075.0	2111.0	2128.1	2131.6
25°	2018.4	2097.7	2170.9	2219.9	2264.4	2274.8	2298.0
27.5°	2117.1	2210.5	2288.8	2340.2	2371.3	2383.0	2390.2
30°	2179.1	2272.2	2331.0	2364.0	2373.9	2372.8	2371.7
32.5°	2209.5	2267.8	2279.1	2269.8	2247.1	2228.0	2208.0
35°	2166.5	2123.0	2058.1	1974.4	1912.8	1850.6	1844.5
37.5°	1948.5	1809.5	1701.4	1580.6	1511.0	1467.9	1438.3
40°	1743.3	1585.3	1454.4	1352.6	1281.7	1253.5	1226.0
42.5°	1520.5	1369.7	1253.7	1168.6	1115.2	1084.1	1062.3
45°	1235.4	1102.2	1011.5	949.8	907.4	883.2	869.4
47.5°	1012.3	913.8	836.7	792.2	763.0	744.1	744.2
50°	892.6	798.5	747.3	712.1	686.7	671.9	674.7
52.5°	786.4	716.2	672.5	642.9	624.3	615.1	614.8
55°	657.6	607.0	578.4	556.9	544.2	533.8	536.0
57.5°	562.5	519.8	500.7	482.8	474.0	469.9	463.7
60°	503.5	470.5	454.0	439.7	430.9	427.5	421.5
62.5°	451.1	425.2	409.1	397.4	389.5	388.4	383.7
65°	379.1	359.3	345.0	339.5	331.3	329.1	329.1
67.5°	312.6	298.4	287.2	282.2	278.6	279.1	276.5
70°	270.8	259.2	252.0	246.5	243.8	244.3	242.1
72.5°	236.8	224.0	217.7	214.4	210.8	212.2	211.3
75°	179.4	172.8	169.5	166.2	164.0	162.9	161.8
77.5°	131.8	125.9	123.4	121.5	121.8	119.2	121.3
80°	101.8	96.9	95.2	92.5	91.9	91.9	91.3
82.5°	74.5	71.7	70.5	68.2	67.3	68.2	66.7
85°	38.5	36.3	35.8	35.8	34.7	33.6	36.3
87.5°	17.7	16.1	16.5	16.1	16.1	15.8	14.9
90°	18.0	18.9	20.9	20.9	20.9	21.8	21.8
92.5°	121.8	91.7	77.7	65.6	63.3	62.0	60.4
95°	537.1	420.6	341.0	273.8	245.3	237.8	222.7
97.5°	913.5	800.0	689.3	630.7	577.7	550.2	538.1
100°	1118.8	1021.2	922.7	857.4	789.1	754.1	738.9
102.5°	1244.6	1197.8	1131.1	1061.2	1012.7	974.6	963.3
105°	1315.9	1357.6	1347.1	1316.8	1285.6	1266.6	1255.2
107.5°	1252.4	1359.4	1408.9	1424.2	1424.1	1417.8	1410.2
110°	1180.4	1313.9	1394.5	1437.1	1455.1	1461.8	1461.8



TEST NUMBER: P333288-930

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1109.1	1244.2	1339.1	1401.5	1432.4	1448.9	1455.7
115°	1007.1	1136.8	1240.1	1313.9	1359.4	1385.9	1398.2
117.5°	936.4	1048.1	1142.9	1216.8	1263.8	1290.1	1297.6
120°	896.2	1000.4	1083.8	1153.9	1199.3	1224.9	1232.5
122.5°	867.4	960.3	1038.3	1100.8	1142.5	1168.1	1174.9
125°	828.9	911.3	979.6	1032.6	1071.5	1092.3	1101.8
127.5°	792.1	869.1	932.9	981.0	1015.4	1035.1	1039.3
130°	766.4	840.3	901.9	949.3	980.5	999.5	1005.1
132.5°	742.2	809.2	868.5	915.9	947.1	964.6	971.0
135°	704.8	765.5	819.5	861.1	892.4	909.5	915.2
137.5°	671.5	721.9	767.8	805.0	833.5	849.2	855.4
140°	651.8	695.4	735.2	770.2	794.8	809.0	813.8
142.5°	635.1	672.6	707.1	736.9	757.7	771.1	775.1
145°	613.8	643.3	668.8	691.5	707.7	718.1	721.9
147.5°	596.2	618.8	638.1	656.2	669.0	675.1	676.8
150°	586.4	604.4	621.4	635.7	647.0	650.9	651.8
152.5°	576.6	593.0	606.3	618.2	627.3	631.1	632.1
155°	561.7	575.0	585.5	594.9	601.5	604.4	605.4
157.5°	547.7	558.0	566.1	573.5	579.0	581.6	581.5
160°	537.1	546.6	553.3	559.9	564.6	566.6	565.6
162.5°	528.1	536.0	541.8	547.0	551.0	551.4	551.1
165°	514.4	520.1	524.8	528.6	530.5	530.5	530.5
167.5°	501.2	505.5	508.9	510.8	512.5	511.8	511.6
170°	493.6	496.4	498.3	500.2	501.2	501.2	500.2
172.5°	486.7	488.9	490.0	490.3	492.0	490.6	489.6
175°	476.5	478.4	478.4	478.4	479.4	477.4	476.5
177.5°	472.1	472.1	472.1	471.4	472.1	469.9	469.9
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9

(END OF REPORT)