

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: P332073-927

Luminaire Tested: **S123DIP-S1165D1025U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332073-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIP-S1165D1025U927-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1165 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1025 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6670.5 lumens  
Efficiency: N/A  
Efficacy: 99.9 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse

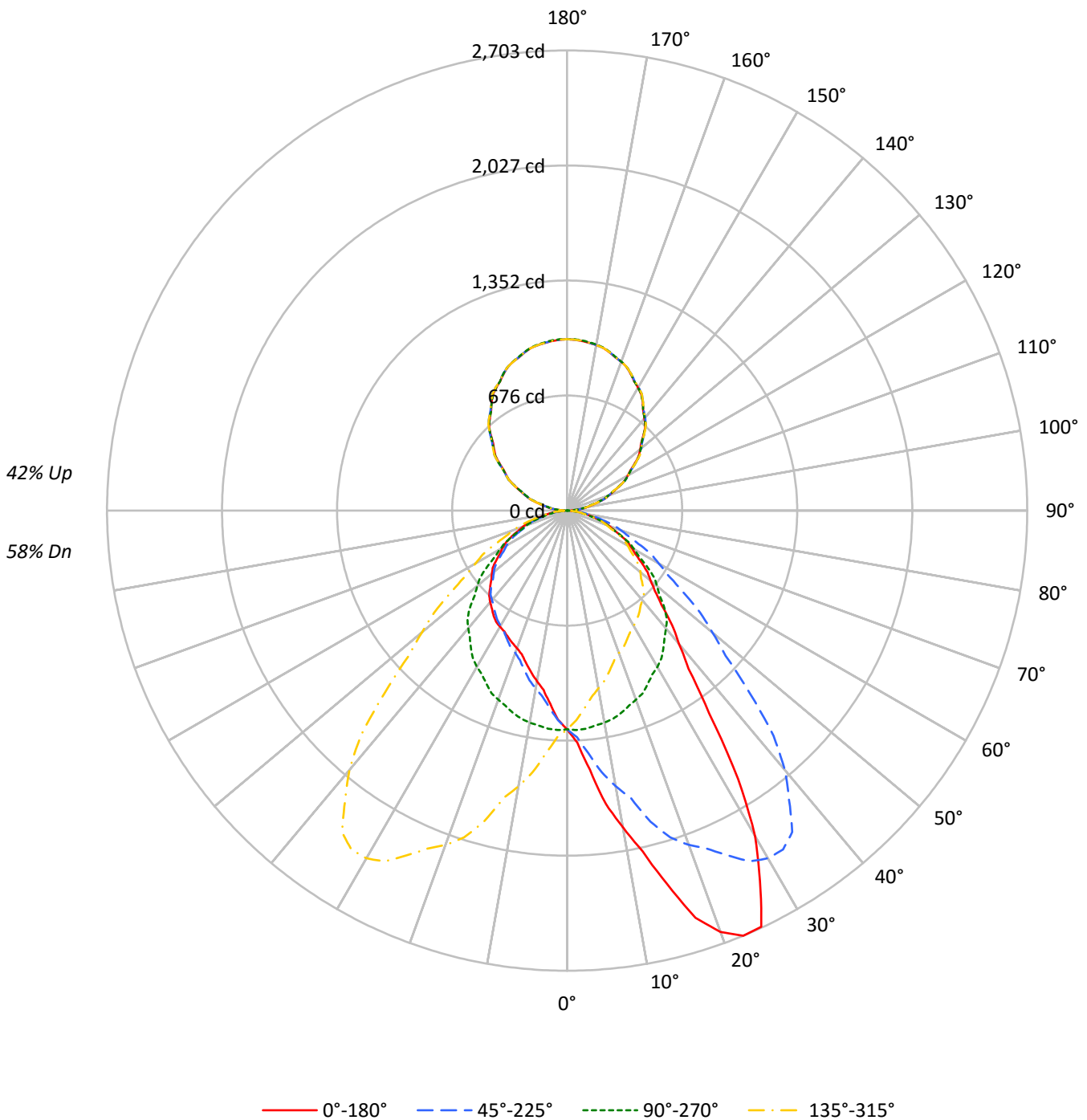
Input Watts (W): 66.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58
1	100	96	92	88	93	89	86	83	78	75	73	67	65	63	57	56	54	50
2	91	84	78	73	85	79	73	69	68	64	61	59	56	53	50	48	46	42
3	83	74	67	61	78	69	63	58	61	56	51	52	49	45	45	42	40	36
4	76	66	58	52	71	62	55	49	54	48	44	47	43	39	40	37	34	31
5	70	59	51	45	65	55	48	42	48	43	38	42	38	34	36	33	30	27
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	29	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	26	24	21
8	56	43	36	30	52	41	34	29	36	30	26	32	27	24	28	24	21	19
9	52	40	32	27	48	37	31	26	33	28	24	29	25	21	26	22	19	17
10	49	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	17	16

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

	0°	90°	180°	270°
0°	13832	13832	13832	13832
5°	16495	13891	12310	13891
10°	20647	13821	11119	13821
15°	25324	13710	10351	13710
20°	30166	13536	9856	13536
25°	32033	13324	9745	13324
30°	27455	13170	9797	13170
35°	19094	12951	9900	12951
40°	14383	12694	9868	12694
45°	11942	12310	9742	12310
50°	10697	11531	9656	11531
55°	10001	10691	9533	10691
60°	9382	9810	9436	9810
65°	8818	8945	9133	8945
70°	8271	7956	8699	7956
75°	7407	6966	7977	6966
80°	6484	5709	6868	5709
85°	5076	4150	4619	4150



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CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.6	1.9
10°-20°	405.9	6.1
20°-30°	681.2	10.2
30°-40°	771.4	11.6
40°-50°	691.7	10.4
50°-60°	558.2	8.4
60°-70°	389.0	5.8
70°-80°	204.5	3.1
80°-90°	53.0	0.8
90°-100°	65.6	1.0
100°-110°	196.3	2.9
110°-120°	333.8	5.0
120°-130°	439.1	6.6
130°-140°	493.6	7.4
140°-150°	485.2	7.3
150°-160°	408.4	6.1
160°-170°	271.9	4.1
170°-180°	95.2	1.4
0°-30°	1213.7	18.2
0°-40°	1985.1	29.8
0°-60°	3235.0	48.5
0°-90°	3881.5	58.2
90°-120°	595.7	8.9
90°-150°	2013.5	30.2
90°-180°	2789.0	41.8
0°-180°	6670.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1285	1285	1285	1285	1285	
5°	1527	1286	1139	1286	1527	158
15°	2272	1230	929	1230	2272	656
25°	2697	1122	820	1122	2697	1183
35°	1453	986	753	986	1453	944
45°	784	809	640	809	784	621
55°	533	570	508	570	533	478
65°	346	351	359	351	346	345
75°	178	168	192	168	178	191
85°	41	34	37	34	41	49
90°	24	1	24	1	24	14
95°	62	47	62	47	62	63
105°	188	178	188	178	188	200
115°	337	336	337	336	337	333
125°	486	492	486	492	486	435
135°	637	638	637	638	637	490
145°	774	774	774	774	774	483
155°	885	886	885	886	885	407
165°	962	966	962	966	962	271
175°	1000	1004	1000	1004	1000	95
180°	1007	1007	1007	1007	1007	



TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1363.7	1362.7	1360.3	1362.2	1358.3	1352.7	1352.3	1347.3	1332.8	1331.8	1327.9
5°	1526.6	1521.6	1521.0	1520.4	1511.6	1499.8	1477.4	1475.5	1445.7	1430.7	1412.7
7.5°	1737.5	1740.1	1731.1	1723.1	1696.5	1678.9	1654.9	1624.1	1587.4	1550.1	1525.3
10°	1889.0	1909.5	1884.0	1866.5	1850.4	1819.8	1784.4	1740.1	1695.9	1644.3	1605.0
12.5°	2051.4	2061.4	2056.3	2039.9	2014.7	1968.3	1905.4	1856.7	1816.0	1730.0	1695.2
15°	2272.5	2310.5	2286.2	2230.2	2231.3	2187.1	2105.0	2014.7	1966.8	1891.4	1788.7
17.5°	2508.0	2512.8	2502.4	2455.8	2424.6	2363.9	2288.1	2201.5	2104.4	2013.3	1904.2
20°	2633.5	2629.8	2608.0	2583.8	2530.2	2482.9	2400.1	2303.6	2179.1	2089.5	1970.5
22.5°	2703.3	2697.1	2686.8	2666.4	2621.9	2571.0	2496.7	2391.3	2272.7	2149.2	2011.8
25°	2697.1	2705.1	2706.4	2700.8	2685.3	2654.8	2596.2	2512.2	2393.9	2235.1	2091.9
27.5°	2453.0	2464.5	2497.8	2527.2	2560.3	2593.8	2589.3	2547.7	2460.1	2323.0	2147.9
30°	2208.9	2184.0	2245.7	2323.5	2376.5	2469.8	2522.1	2525.2	2476.0	2358.4	2187.8
32.5°	1870.3	1897.7	1924.9	2020.7	2136.4	2241.2	2345.3	2429.1	2438.7	2360.4	2211.2
35°	1453.1	1487.4	1537.2	1587.0	1711.5	1818.6	2001.6	2161.0	2288.1	2304.9	2213.3
37.5°	1171.0	1187.9	1219.4	1269.3	1350.8	1477.8	1619.4	1820.8	2004.9	2141.7	2147.7
40°	1023.6	1028.5	1064.0	1102.0	1168.0	1272.6	1400.2	1578.3	1798.6	1989.8	2069.5
42.5°	913.0	923.9	939.0	975.5	1028.0	1106.8	1225.4	1372.5	1574.5	1794.5	1950.4
45°	784.5	796.9	806.3	830.5	867.9	920.8	1003.6	1138.1	1291.9	1519.1	1728.9
47.5°	699.6	700.5	707.5	725.8	751.2	790.9	849.5	935.9	1077.1	1261.4	1476.8
50°	638.8	648.7	651.3	665.5	685.5	714.7	763.3	836.8	952.6	1114.4	1312.4
52.5°	596.0	599.0	605.9	616.2	633.7	656.5	698.5	756.1	847.0	984.9	1167.0
55°	532.9	532.9	539.8	547.9	557.9	578.4	606.4	648.7	717.9	824.9	975.6
57.5°	474.7	477.8	482.6	485.1	493.6	507.2	530.6	562.7	614.3	696.6	816.5
60°	435.8	441.4	440.8	445.8	453.3	463.8	483.8	509.9	556.0	621.9	722.9
62.5°	402.0	401.6	401.5	407.4	414.9	425.0	437.9	460.6	499.7	558.3	644.1
65°	346.2	344.9	349.3	353.0	355.5	363.0	373.0	392.8	419.0	462.6	529.2
67.5°	296.6	293.0	295.3	296.6	300.9	306.7	316.0	328.4	349.1	384.1	434.4
70°	262.8	259.6	259.0	260.2	264.0	268.3	275.2	287.0	306.3	334.3	371.1
72.5°	227.8	225.8	225.6	228.4	230.1	233.0	237.8	248.7	264.0	285.0	319.2
75°	178.1	178.1	178.1	178.7	180.5	183.1	186.8	192.3	204.2	219.1	242.2
77.5°	133.5	133.3	132.6	132.5	135.2	136.3	137.2	142.4	149.0	159.1	175.9
80°	104.6	101.5	102.7	104.6	105.8	106.5	108.4	109.6	115.2	120.8	132.6
82.5°	77.7	75.1	75.3	78.2	78.4	79.1	81.0	82.7	84.8	89.9	96.3
85°	41.1	41.1	41.7	41.7	42.3	41.7	43.6	44.2	44.2	47.3	51.0
87.5°	19.7	18.6	19.0	19.5	18.9	19.3	19.6	20.0	20.4	20.8	20.8
90°	23.7	23.4	23.1	22.7	22.3	21.8	21.1	20.4	19.6	19.0	16.7
92.5°	31.9	32.2	32.4	32.6	32.8	32.6	32.1	31.5	30.9	30.3	29.1
95°	61.7	61.7	61.7	61.7	61.7	61.3	60.6	59.9	59.3	58.5	57.1
97.5°	94.9	95.0	95.1	95.1	95.1	94.8	94.0	93.2	92.4	91.6	90.5
100°	120.2	119.9	119.5	119.1	118.8	118.4	117.8	117.3	116.8	116.2	115.3
102.5°	146.2	146.2	146.2	146.3	146.4	146.2	145.7	145.1	144.6	144.1	142.9
105°	188.2	187.8	187.5	187.1	186.8	186.6	186.6	186.6	186.6	186.6	185.1
107.5°	232.0	232.2	232.4	232.7	232.8	232.7	232.1	231.6	231.0	230.4	229.8
110°	261.7	262.1	262.4	262.8	263.2	263.0	262.3	261.6	260.9	260.2	259.8



TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	293.3	293.4	293.5	293.6	293.7	293.3	292.4	291.6	290.7	289.9	289.9
115°	336.8	337.1	337.2	337.4	337.5	337.5	337.4	337.2	337.1	336.8	337.2
117.5°	381.0	381.5	382.0	382.5	382.9	383.3	383.3	383.3	383.3	383.3	383.8
120°	412.0	412.3	412.7	413.0	413.4	413.7	413.8	414.0	414.2	414.4	415.3
122.5°	441.7	442.2	442.7	443.2	443.7	444.2	444.7	445.0	445.5	446.0	446.5
125°	486.3	487.0	487.7	488.5	489.1	489.8	490.5	491.2	491.9	492.7	493.0
127.5°	530.8	531.6	532.3	533.2	534.0	534.9	535.9	536.9	537.8	538.8	539.2
130°	559.8	561.1	562.3	563.6	564.7	565.8	566.4	567.1	567.8	568.5	569.1
132.5°	590.3	591.2	592.2	593.1	594.1	594.9	595.8	596.6	597.5	598.3	598.7
135°	637.4	637.7	638.0	638.4	638.7	639.3	640.0	640.7	641.4	642.1	642.3
137.5°	679.0	679.6	680.2	681.0	681.6	682.3	683.1	683.8	684.5	685.2	684.8
140°	706.2	707.4	708.6	709.9	711.1	711.8	711.9	712.1	712.3	712.5	712.3
142.5°	734.0	734.9	735.9	736.8	737.8	738.3	738.6	738.7	738.9	739.0	738.7
145°	774.1	774.8	775.5	776.3	777.0	777.4	777.6	777.8	777.9	778.1	777.6
147.5°	809.9	811.0	812.0	813.1	814.1	814.7	814.7	814.7	814.7	814.7	814.1
150°	832.7	833.7	834.8	835.8	836.9	837.4	837.4	837.4	837.4	837.4	837.1
152.5°	854.8	855.7	856.7	857.5	858.5	858.8	858.5	858.3	857.9	857.7	857.5
155°	884.9	886.1	887.3	888.6	889.8	890.0	889.4	888.7	888.0	887.2	887.1
157.5°	912.2	913.2	914.2	915.2	916.2	916.3	915.5	914.8	914.1	913.3	913.2
160°	929.9	930.7	931.4	932.1	932.7	932.6	931.8	930.9	930.0	929.2	929.2
162.5°	943.3	944.4	945.5	946.6	947.7	947.8	947.0	946.1	945.2	944.4	944.2
165°	962.3	963.6	964.8	966.1	967.3	967.3	966.3	965.3	964.2	963.1	963.1
167.5°	978.7	979.8	980.8	981.9	983.0	983.0	981.9	980.8	979.8	978.7	978.5
170°	986.9	988.1	989.4	990.5	991.8	991.8	990.5	989.4	988.1	986.9	986.9
172.5°	993.2	994.4	995.7	996.9	998.1	998.1	997.1	996.0	994.9	993.8	993.8
175°	1000.3	1001.6	1002.7	1004.0	1005.2	1005.4	1004.2	1003.2	1002.2	1001.1	1001.1
177.5°	1004.1	1005.1	1006.1	1007.1	1008.1	1008.1	1007.3	1006.5	1005.6	1004.7	1004.7
180°	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6



TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1324.8	1320.9	1316.9	1310.0	1303.9	1295.5	1293.0	1290.0	1281.0	1273.1	1267.1
5°	1405.8	1390.8	1369.0	1349.2	1333.0	1311.2	1298.7	1285.6	1266.9	1250.1	1236.4
7.5°	1490.5	1461.1	1427.2	1390.6	1356.5	1323.7	1297.1	1273.4	1247.3	1222.5	1203.2
10°	1557.7	1515.4	1468.1	1417.1	1373.4	1331.1	1295.6	1264.5	1230.9	1201.6	1177.3
12.5°	1634.4	1571.7	1506.4	1444.4	1392.9	1334.1	1291.1	1251.6	1213.5	1178.2	1151.0
15°	1725.2	1645.5	1568.3	1483.0	1404.5	1331.1	1280.1	1230.3	1186.1	1149.9	1115.1
17.5°	1807.9	1717.6	1615.9	1512.1	1417.5	1330.4	1258.9	1202.6	1147.3	1103.1	1068.3
20°	1854.7	1752.0	1636.8	1529.1	1424.5	1327.4	1249.0	1181.7	1121.9	1075.2	1036.0
22.5°	1895.1	1774.9	1655.7	1540.6	1424.0	1319.4	1230.5	1161.3	1096.5	1050.8	1009.1
25°	1936.9	1793.1	1673.6	1538.4	1408.3	1300.0	1200.4	1121.9	1057.2	1003.6	960.7
27.5°	1972.8	1791.8	1650.0	1504.7	1383.6	1275.1	1168.7	1084.6	1015.8	957.7	914.1
30°	1996.6	1794.3	1625.6	1481.8	1359.8	1247.7	1144.3	1059.6	987.5	928.3	887.2
32.5°	2011.6	1792.8	1603.1	1449.9	1321.9	1222.7	1117.9	1030.2	956.1	897.9	858.3
35°	2020.3	1781.9	1564.6	1384.0	1260.8	1164.3	1076.5	985.6	907.8	853.6	808.7
37.5°	2002.9	1758.8	1519.7	1320.5	1185.6	1090.5	1016.7	939.2	864.7	805.2	766.5
40°	1975.5	1743.9	1484.9	1275.7	1133.8	1042.2	979.4	903.4	829.9	773.2	737.1
42.5°	1923.2	1713.5	1446.5	1225.9	1080.0	988.4	930.5	867.0	797.6	744.3	708.3
45°	1795.6	1647.3	1389.0	1151.2	1000.5	905.9	854.8	808.7	745.8	694.2	663.1
47.5°	1618.5	1547.9	1305.8	1072.4	917.6	826.6	773.5	736.4	690.5	648.7	618.9
50°	1495.5	1466.2	1249.5	1018.6	862.3	773.2	722.2	688.6	655.6	613.9	586.5
52.5°	1353.5	1371.6	1183.8	962.7	806.0	718.5	670.4	643.7	613.8	579.5	555.6
55°	1153.7	1219.0	1070.2	869.1	722.2	638.8	593.3	569.7	552.2	526.7	506.2
57.5°	966.5	1049.7	947.5	772.6	639.9	567.9	524.3	498.6	487.4	474.0	457.9
60°	855.5	937.6	859.8	707.9	584.6	516.1	477.5	455.7	444.5	435.2	421.5
62.5°	756.3	839.5	774.1	642.1	530.3	466.8	433.2	411.9	403.2	398.3	386.7
65°	620.1	691.7	648.1	539.8	452.7	396.6	366.1	351.2	343.0	341.2	333.7
67.5°	504.7	559.2	527.4	447.7	379.1	330.7	304.8	292.2	285.9	285.3	279.6
70°	429.0	480.0	455.7	383.5	324.4	286.4	264.0	252.8	249.1	248.4	245.3
72.5°	370.2	405.8	386.5	326.2	280.5	246.1	229.6	217.9	213.7	214.5	212.5
75°	273.9	300.7	289.5	247.8	211.0	188.6	174.9	167.5	163.7	165.6	163.1
77.5°	197.1	214.0	204.0	175.1	152.4	136.3	126.1	121.5	118.2	118.0	116.9
80°	148.8	158.8	153.1	135.7	117.1	103.4	95.2	92.1	90.3	89.7	89.0
82.5°	106.0	114.5	107.8	95.9	83.2	74.9	70.3	66.2	64.9	65.3	64.6
85°	53.6	56.6	54.2	46.7	41.7	37.9	35.5	33.6	32.4	33.0	31.8
87.5°	21.3	21.4	19.4	17.0	15.7	13.8	13.5	12.1	11.5	11.8	11.6
90°	14.4	12.1	9.8	7.8	6.1	4.3	2.5	0.8	2.5	4.3	6.1
92.5°	27.7	26.5	25.2	23.9	22.7	21.5	20.4	19.2	20.4	21.5	22.7
95°	55.7	54.3	52.9	51.6	50.4	49.1	47.8	46.7	47.8	49.1	50.4
97.5°	89.5	88.5	87.5	86.5	85.6	84.7	83.8	82.9	83.8	84.7	85.6
100°	114.5	113.6	112.7	111.8	110.7	109.6	108.6	107.6	108.6	109.6	110.7
102.5°	141.7	140.6	139.4	138.6	137.9	137.3	136.7	136.0	136.7	137.3	137.9
105°	183.5	181.9	180.3	179.4	179.0	178.6	178.2	177.9	178.2	178.6	179.0
107.5°	229.2	228.5	227.9	227.5	227.3	227.0	226.9	226.6	226.9	227.0	227.3
110°	259.4	259.1	258.7	258.4	258.0	257.7	257.4	257.0	257.4	257.7	258.0





TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	289.8	289.7	289.6	289.5	289.2	289.1	288.8	288.6	288.8	289.1	289.2
115°	337.5	337.9	338.3	338.2	337.6	337.2	336.6	336.0	336.6	337.2	337.6
117.5°	384.3	384.8	385.2	385.2	384.9	384.5	384.2	383.8	384.2	384.5	384.9
120°	416.1	417.0	417.9	417.8	416.8	415.7	414.6	413.6	414.6	415.7	416.8
122.5°	446.9	447.3	447.8	447.7	446.9	446.1	445.4	444.6	445.4	446.1	446.9
125°	493.4	493.7	494.1	493.9	493.5	492.9	492.4	491.9	492.4	492.9	493.5
127.5°	539.6	540.0	540.3	540.0	538.8	537.7	536.6	535.5	536.6	537.7	538.8
130°	569.6	570.1	570.7	570.2	568.8	567.4	566.0	564.6	566.0	567.4	568.8
132.5°	599.0	599.4	599.8	599.4	597.9	596.5	595.1	593.7	595.1	596.5	597.9
135°	642.5	642.6	642.8	642.4	641.3	640.2	639.2	638.2	639.2	640.2	641.3
137.5°	684.4	683.9	683.4	682.8	681.9	681.0	680.2	679.3	680.2	681.0	681.9
140°	712.1	711.9	711.8	711.2	710.3	709.5	708.6	707.7	708.6	709.5	710.3
142.5°	738.4	738.1	737.8	737.2	736.3	735.5	734.5	733.6	734.5	735.5	736.3
145°	777.1	776.5	776.0	775.5	775.2	774.8	774.5	774.1	774.5	774.8	775.2
147.5°	813.7	813.2	812.7	812.1	811.5	810.9	810.2	809.6	810.2	810.9	811.5
150°	836.7	836.4	836.0	835.7	835.3	835.0	834.6	834.2	834.6	835.0	835.3
152.5°	857.2	857.1	856.8	856.4	856.0	855.5	855.0	854.5	855.0	855.5	856.0
155°	886.8	886.7	886.5	886.5	886.5	886.5	886.5	886.5	886.5	886.5	886.5
157.5°	913.1	912.9	912.8	912.8	913.0	913.2	913.5	913.6	913.5	913.2	913.0
160°	929.2	929.2	929.2	929.3	929.7	930.0	930.3	930.7	930.3	930.0	929.7
162.5°	944.0	943.9	943.8	944.0	944.4	944.9	945.4	945.9	945.4	944.9	944.4
165°	963.1	963.1	963.1	963.5	963.9	964.5	965.0	965.5	965.0	964.5	963.9
167.5°	978.3	978.3	978.1	978.3	979.1	979.8	980.5	981.2	980.5	979.8	979.1
170°	986.9	986.9	986.9	987.2	987.9	988.6	989.4	990.1	989.4	988.6	987.9
172.5°	993.8	993.8	993.8	994.2	994.9	995.6	996.3	997.0	996.3	995.6	994.9
175°	1001.1	1001.1	1001.1	1001.5	1002.2	1002.8	1003.5	1004.2	1003.5	1002.8	1002.2
177.5°	1004.7	1004.7	1004.7	1005.0	1005.6	1006.2	1006.7	1007.3	1006.7	1006.2	1005.6
180°	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6



TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1263.6	1260.1	1255.1	1247.7	1241.7	1232.2	1232.2	1233.7	1233.7	1233.3	1232.2
5°	1225.3	1215.9	1204.8	1191.7	1178.0	1164.3	1161.7	1156.7	1153.0	1150.6	1147.5
7.5°	1184.8	1168.2	1151.9	1133.6	1116.9	1103.1	1093.5	1085.5	1080.5	1075.0	1071.0
10°	1157.4	1136.9	1117.5	1098.3	1077.1	1060.3	1049.7	1042.2	1036.6	1031.7	1029.1
12.5°	1125.1	1101.5	1080.2	1061.9	1038.7	1021.4	1011.4	1007.8	1001.2	990.8	985.3
15°	1077.7	1055.9	1030.4	1002.3	991.2	970.0	958.1	952.6	948.8	940.7	938.3
17.5°	1037.2	1008.7	980.1	959.2	938.3	921.1	914.6	907.6	902.6	896.0	894.1
20°	1004.9	979.4	953.2	930.8	908.9	890.3	884.7	879.7	874.7	871.6	869.1
22.5°	972.0	946.5	924.8	903.9	880.6	868.4	862.3	856.8	853.3	851.2	848.7
25°	925.8	903.4	879.1	860.4	841.8	833.6	829.9	826.8	824.3	821.2	820.5
27.5°	884.5	860.1	840.3	822.9	809.5	802.8	799.2	797.6	798.2	799.3	800.0
30°	853.6	831.2	815.0	800.0	787.6	781.3	780.7	780.7	783.2	783.9	785.1
32.5°	825.2	806.8	790.6	776.1	766.7	762.4	764.8	764.8	766.8	768.4	770.6
35°	783.9	767.6	755.2	742.8	734.7	736.5	737.8	739.0	742.1	745.8	748.4
37.5°	744.3	730.3	717.3	707.7	703.9	707.3	710.3	712.9	716.4	719.4	721.8
40°	716.0	705.4	692.9	684.2	685.5	687.4	689.8	692.9	696.1	697.9	700.4
42.5°	689.6	678.5	669.1	661.8	663.5	665.9	667.4	669.1	672.6	676.0	677.5
45°	649.4	640.6	631.9	627.6	628.8	630.1	631.3	633.2	636.3	638.8	639.4
47.5°	604.2	598.1	592.2	588.0	589.9	589.5	591.1	595.1	596.0	597.5	601.0
50°	575.3	569.7	562.8	561.6	561.6	561.6	562.2	567.2	567.2	569.7	572.2
52.5°	543.4	539.8	535.4	533.2	532.2	532.2	534.8	537.3	538.3	541.8	544.3
55°	496.2	492.5	488.7	486.9	485.6	486.9	491.9	493.1	496.2	498.0	499.9
57.5°	447.0	444.2	441.2	440.1	439.9	441.6	444.3	448.0	448.8	454.5	457.3
60°	414.6	410.3	407.8	407.8	406.5	412.2	410.9	417.2	418.4	422.2	426.5
62.5°	381.3	375.4	374.5	374.5	376.2	377.8	379.5	382.3	385.5	390.2	393.6
65°	327.5	324.4	328.8	328.1	326.9	330.6	330.6	333.7	337.5	341.8	348.6
67.5°	276.6	275.0	275.3	275.3	277.2	279.3	281.1	283.8	288.3	292.9	297.4
70°	242.2	244.1	241.0	243.4	245.3	245.9	247.2	250.9	255.9	259.0	264.0
72.5°	208.8	208.7	209.1	210.1	211.9	213.0	214.3	218.6	224.0	226.6	230.6
75°	160.7	160.0	161.8	161.8	165.0	166.2	167.5	169.4	174.4	178.1	181.2
77.5°	117.3	118.0	117.6	119.8	118.9	119.1	123.0	124.9	125.4	132.8	134.4
80°	88.4	89.7	90.3	90.9	91.5	90.3	94.7	96.5	96.5	100.8	103.9
82.5°	63.5	64.2	65.9	66.5	66.6	67.9	68.2	69.6	71.1	73.0	77.1
85°	31.8	33.6	34.2	33.6	34.2	33.0	34.9	35.5	36.1	36.1	36.1
87.5°	11.5	12.4	12.4	13.3	13.3	14.3	14.4	13.5	13.7	15.3	13.5
90°	7.8	9.8	12.1	14.4	16.7	19.0	19.6	20.4	21.1	21.8	22.3
92.5°	23.9	25.2	26.5	27.7	29.1	30.3	30.9	31.5	32.1	32.6	32.8
95°	51.6	52.9	54.3	55.7	57.1	58.5	59.3	59.9	60.6	61.3	61.7
97.5°	86.5	87.5	88.5	89.5	90.5	91.6	92.4	93.2	94.0	94.8	95.1
100°	111.8	112.7	113.6	114.5	115.3	116.2	116.8	117.3	117.8	118.4	118.8
102.5°	138.6	139.4	140.6	141.7	142.9	144.1	144.6	145.1	145.7	146.2	146.4
105°	179.4	180.3	181.9	183.5	185.1	186.6	186.6	186.6	186.6	186.6	186.8
107.5°	227.5	227.9	228.5	229.2	229.8	230.4	231.0	231.6	232.1	232.7	232.8
110°	258.4	258.7	259.1	259.4	259.8	260.2	260.9	261.6	262.3	263.0	263.2



TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	289.5	289.6	289.7	289.8	289.9	289.9	290.7	291.6	292.4	293.3	293.7
115°	338.2	338.3	337.9	337.5	337.2	336.8	337.1	337.2	337.4	337.5	337.5
117.5°	385.2	385.2	384.8	384.3	383.8	383.3	383.3	383.3	383.3	383.3	382.9
120°	417.8	417.9	417.0	416.1	415.3	414.4	414.2	414.0	413.8	413.7	413.4
122.5°	447.7	447.8	447.3	446.9	446.5	446.0	445.5	445.0	444.7	444.2	443.7
125°	493.9	494.1	493.7	493.4	493.0	492.7	491.9	491.2	490.5	489.8	489.1
127.5°	540.0	540.3	540.0	539.6	539.2	538.8	537.8	536.9	535.9	534.9	534.0
130°	570.2	570.7	570.1	569.6	569.1	568.5	567.8	567.1	566.4	565.8	564.7
132.5°	599.4	599.8	599.4	599.0	598.7	598.3	597.5	596.6	595.8	594.9	594.1
135°	642.4	642.8	642.6	642.5	642.3	642.1	641.4	640.7	640.0	639.3	638.7
137.5°	682.8	683.4	683.9	684.4	684.8	685.2	684.5	683.8	683.1	682.3	681.6
140°	711.2	711.8	711.9	712.1	712.3	712.5	712.3	712.1	711.9	711.8	711.1
142.5°	737.2	737.8	738.1	738.4	738.7	739.0	738.9	738.7	738.6	738.3	737.8
145°	775.5	776.0	776.5	777.1	777.6	778.1	777.9	777.8	777.6	777.4	777.0
147.5°	812.1	812.7	813.2	813.7	814.1	814.7	814.7	814.7	814.7	814.7	814.1
150°	835.7	836.0	836.4	836.7	837.1	837.4	837.4	837.4	837.4	837.4	836.9
152.5°	856.4	856.8	857.1	857.2	857.5	857.7	857.9	858.3	858.5	858.8	858.5
155°	886.5	886.5	886.7	886.8	887.1	887.2	888.0	888.7	889.4	890.0	889.8
157.5°	912.8	912.8	912.9	913.1	913.2	913.3	914.1	914.8	915.5	916.3	916.2
160°	929.3	929.2	929.2	929.2	929.2	929.2	930.0	930.9	931.8	932.6	932.7
162.5°	944.0	943.8	943.9	944.0	944.2	944.4	945.2	946.1	947.0	947.8	947.7
165°	963.5	963.1	963.1	963.1	963.1	963.1	964.2	965.3	966.3	967.3	967.3
167.5°	978.3	978.1	978.3	978.3	978.5	978.7	979.8	980.8	981.9	983.0	983.0
170°	987.2	986.9	986.9	986.9	986.9	986.9	988.1	989.4	990.5	991.8	991.8
172.5°	994.2	993.8	993.8	993.8	993.8	993.8	994.9	996.0	997.1	998.1	998.1
175°	1001.5	1001.1	1001.1	1001.1	1001.1	1001.1	1002.2	1003.2	1004.2	1005.4	1005.2
177.5°	1005.0	1004.7	1004.7	1004.7	1004.7	1004.7	1005.6	1006.5	1007.3	1008.1	1008.1
180°	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6



TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1228.8	1228.3	1231.8	1229.2	1231.8	1228.3	1228.8	1232.2	1233.3	1233.7	1233.7
5°	1143.7	1145.6	1139.3	1139.3	1139.3	1145.6	1143.7	1147.5	1150.6	1153.0	1156.7
7.5°	1068.0	1065.2	1065.5	1062.2	1065.5	1065.2	1068.0	1071.0	1075.0	1080.5	1085.5
10°	1021.7	1018.0	1016.7	1017.3	1016.7	1018.0	1021.7	1029.1	1031.7	1036.6	1042.2
12.5°	983.3	982.5	974.4	974.5	974.4	982.5	983.3	985.3	990.8	1001.2	1007.8
15°	938.3	926.5	925.2	928.9	925.2	926.5	938.3	938.3	940.7	948.8	952.6
17.5°	893.0	886.8	887.2	885.3	887.2	886.8	893.0	894.1	896.0	902.6	907.6
20°	869.1	865.4	864.7	860.4	864.7	865.4	869.1	869.1	871.6	874.7	879.7
22.5°	847.2	846.0	846.4	841.5	846.4	846.0	847.2	848.7	851.2	853.3	856.8
25°	820.0	823.1	820.5	820.5	820.5	823.1	820.0	820.5	821.2	824.3	826.8
27.5°	801.5	801.4	800.2	800.2	800.2	801.4	801.5	800.0	799.3	798.2	797.6
30°	787.6	787.0	788.2	788.2	788.2	787.0	787.6	785.1	783.9	783.2	780.7
32.5°	773.6	774.5	774.8	775.2	774.8	774.5	773.6	770.6	768.4	766.8	764.8
35°	752.1	752.7	754.6	753.4	754.6	752.7	752.1	748.4	745.8	742.1	739.0
37.5°	722.9	725.8	725.2	726.2	725.2	725.8	722.9	721.8	719.4	716.4	712.9
40°	701.0	702.9	702.3	702.3	702.3	702.9	701.0	700.4	697.9	696.1	692.9
42.5°	678.7	680.0	678.3	677.4	678.3	680.0	678.7	677.5	676.0	672.6	669.1
45°	641.9	640.6	642.5	640.0	642.5	640.6	641.9	639.4	638.8	636.3	633.2
47.5°	600.8	602.1	602.5	604.4	602.5	602.1	600.8	601.0	597.5	596.0	595.1
50°	573.4	577.1	577.1	576.6	577.1	577.1	573.4	572.2	569.7	567.2	567.2
52.5°	546.5	548.3	550.7	550.6	550.7	548.3	546.5	544.3	541.8	538.3	537.3
55°	504.9	506.2	507.4	508.0	507.4	506.2	504.9	499.9	498.0	496.2	493.1
57.5°	461.8	461.4	464.3	465.2	464.3	461.4	461.8	457.3	454.5	448.8	448.0
60°	431.4	431.4	436.4	438.3	436.4	431.4	431.4	426.5	422.2	418.4	417.2
62.5°	399.1	401.1	406.1	403.5	406.1	401.1	399.1	393.6	390.2	385.5	382.3
65°	351.7	356.7	356.1	358.6	356.1	356.7	351.7	348.6	341.8	337.5	333.7
67.5°	302.3	305.5	309.9	310.3	309.9	305.5	302.3	297.4	292.9	288.3	283.8
70°	268.9	272.0	274.6	276.4	274.6	272.0	268.9	264.0	259.0	255.9	250.9
72.5°	236.6	238.2	244.2	241.5	244.2	238.2	236.6	230.6	226.6	224.0	218.6
75°	185.5	189.9	193.6	191.8	193.6	189.9	185.5	181.2	178.1	174.4	169.4
77.5°	137.2	141.6	143.3	141.7	143.3	141.6	137.2	134.4	132.8	125.4	124.9
80°	108.4	107.7	111.5	110.8	111.5	107.7	108.4	103.9	100.8	96.5	96.5
82.5°	79.5	78.8	80.6	81.0	80.6	78.8	79.5	77.1	73.0	71.1	69.6
85°	38.6	40.5	37.9	37.4	37.9	40.5	38.6	36.1	36.1	36.1	35.5
87.5°	13.5	13.5	13.2	12.7	13.2	13.5	13.5	13.5	15.3	13.7	13.5
90°	22.7	23.1	23.4	23.7	23.4	23.1	22.7	22.3	21.8	21.1	20.4
92.5°	32.6	32.4	32.2	31.9	32.2	32.4	32.6	32.8	32.6	32.1	31.5
95°	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.3	60.6	59.9
97.5°	95.1	95.1	95.0	94.9	95.0	95.1	95.1	95.1	94.8	94.0	93.2
100°	119.1	119.5	119.9	120.2	119.9	119.5	119.1	118.8	118.4	117.8	117.3
102.5°	146.3	146.2	146.2	146.2	146.2	146.2	146.3	146.4	146.2	145.7	145.1
105°	187.1	187.5	187.8	188.2	187.8	187.5	187.1	186.8	186.6	186.6	186.6
107.5°	232.7	232.4	232.2	232.0	232.2	232.4	232.7	232.8	232.7	232.1	231.6
110°	262.8	262.4	262.1	261.7	262.1	262.4	262.8	263.2	263.0	262.3	261.6



TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	293.6	293.5	293.4	293.3	293.4	293.5	293.6	293.7	293.3	292.4	291.6
115°	337.4	337.2	337.1	336.8	337.1	337.2	337.4	337.5	337.5	337.4	337.2
117.5°	382.5	382.0	381.5	381.0	381.5	382.0	382.5	382.9	383.3	383.3	383.3
120°	413.0	412.7	412.3	412.0	412.3	412.7	413.0	413.4	413.7	413.8	414.0
122.5°	443.2	442.7	442.2	441.7	442.2	442.7	443.2	443.7	444.2	444.7	445.0
125°	488.5	487.7	487.0	486.3	487.0	487.7	488.5	489.1	489.8	490.5	491.2
127.5°	533.2	532.3	531.6	530.8	531.6	532.3	533.2	534.0	534.9	535.9	536.9
130°	563.6	562.3	561.1	559.8	561.1	562.3	563.6	564.7	565.8	566.4	567.1
132.5°	593.1	592.2	591.2	590.3	591.2	592.2	593.1	594.1	594.9	595.8	596.6
135°	638.4	638.0	637.7	637.4	637.7	638.0	638.4	638.7	639.3	640.0	640.7
137.5°	681.0	680.2	679.6	679.0	679.6	680.2	681.0	681.6	682.3	683.1	683.8
140°	709.9	708.6	707.4	706.2	707.4	708.6	709.9	711.1	711.8	711.9	712.1
142.5°	736.8	735.9	734.9	734.0	734.9	735.9	736.8	737.8	738.3	738.6	738.7
145°	776.3	775.5	774.8	774.1	774.8	775.5	776.3	777.0	777.4	777.6	777.8
147.5°	813.1	812.0	811.0	809.9	811.0	812.0	813.1	814.1	814.7	814.7	814.7
150°	835.8	834.8	833.7	832.7	833.7	834.8	835.8	836.9	837.4	837.4	837.4
152.5°	857.5	856.7	855.7	854.8	855.7	856.7	857.5	858.5	858.8	858.5	858.3
155°	888.6	887.3	886.1	884.9	886.1	887.3	888.6	889.8	890.0	889.4	888.7
157.5°	915.2	914.2	913.2	912.2	913.2	914.2	915.2	916.2	916.3	915.5	914.8
160°	932.1	931.4	930.7	929.9	930.7	931.4	932.1	932.7	932.6	931.8	930.9
162.5°	946.6	945.5	944.4	943.3	944.4	945.5	946.6	947.7	947.8	947.0	946.1
165°	966.1	964.8	963.6	962.3	963.6	964.8	966.1	967.3	967.3	966.3	965.3
167.5°	981.9	980.8	979.8	978.7	979.8	980.8	981.9	983.0	983.0	981.9	980.8
170°	990.5	989.4	988.1	986.9	988.1	989.4	990.5	991.8	991.8	990.5	989.4
172.5°	996.9	995.7	994.4	993.2	994.4	995.7	996.9	998.1	998.1	997.1	996.0
175°	1004.0	1002.7	1001.6	1000.3	1001.6	1002.7	1004.0	1005.2	1005.4	1004.2	1003.2
177.5°	1007.1	1006.1	1005.1	1004.1	1005.1	1006.1	1007.1	1008.1	1008.1	1007.3	1006.5
180°	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6



TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1232.2	1232.2	1241.7	1247.7	1255.1	1260.1	1263.6	1267.1	1273.1	1281.0	1290.0
5°	1161.7	1164.3	1178.0	1191.7	1204.8	1215.9	1225.3	1236.4	1250.1	1266.9	1285.6
7.5°	1093.5	1103.1	1116.9	1133.6	1151.9	1168.2	1184.8	1203.2	1222.5	1247.3	1273.4
10°	1049.7	1060.3	1077.1	1098.3	1117.5	1136.9	1157.4	1177.3	1201.6	1230.9	1264.5
12.5°	1011.4	1021.4	1038.7	1061.9	1080.2	1101.5	1125.1	1151.0	1178.2	1213.5	1251.6
15°	958.1	970.0	991.2	1002.3	1030.4	1055.9	1077.7	1115.1	1149.9	1186.1	1230.3
17.5°	914.6	921.1	938.3	959.2	980.1	1008.7	1037.2	1068.3	1103.1	1147.3	1202.6
20°	884.7	890.3	908.9	930.8	953.2	979.4	1004.9	1036.0	1075.2	1121.9	1181.7
22.5°	862.3	868.4	880.6	903.9	924.8	946.5	972.0	1009.1	1050.8	1096.5	1161.3
25°	829.9	833.6	841.8	860.4	879.1	903.4	925.8	960.7	1003.6	1057.2	1121.9
27.5°	799.2	802.8	809.5	822.9	840.3	860.1	884.5	914.1	957.7	1015.8	1084.6
30°	780.7	781.3	787.6	800.0	815.0	831.2	853.6	887.2	928.3	987.5	1059.6
32.5°	764.8	762.4	766.7	776.1	790.6	806.8	825.2	858.3	897.9	956.1	1030.2
35°	737.8	736.5	734.7	742.8	755.2	767.6	783.9	808.7	853.6	907.8	985.6
37.5°	710.3	707.3	703.9	707.7	717.3	730.3	744.3	766.5	805.2	864.7	939.2
40°	689.8	687.4	685.5	684.2	692.9	705.4	716.0	737.1	773.2	829.9	903.4
42.5°	667.4	665.9	663.5	661.8	669.1	678.5	689.6	708.3	744.3	797.6	867.0
45°	631.3	630.1	628.8	627.6	631.9	640.6	649.4	663.1	694.2	745.8	808.7
47.5°	591.1	589.5	589.9	588.0	592.2	598.1	604.2	618.9	648.7	690.5	736.4
50°	562.2	561.6	561.6	561.6	562.8	569.7	575.3	586.5	613.9	655.6	688.6
52.5°	534.8	532.2	532.2	533.2	535.4	539.8	543.4	555.6	579.5	613.8	643.7
55°	491.9	486.9	485.6	486.9	488.7	492.5	496.2	506.2	526.7	552.2	569.7
57.5°	444.3	441.6	439.9	440.1	441.2	444.2	447.0	457.9	474.0	487.4	498.6
60°	410.9	412.2	406.5	407.8	407.8	410.3	414.6	421.5	435.2	444.5	455.7
62.5°	379.5	377.8	376.2	374.5	374.5	375.4	381.3	386.7	398.3	403.2	411.9
65°	330.6	330.6	326.9	328.1	328.8	324.4	327.5	333.7	341.2	343.0	351.2
67.5°	281.1	279.3	277.2	275.3	275.3	275.0	276.6	279.6	285.3	285.9	292.2
70°	247.2	245.9	245.3	243.4	241.0	244.1	242.2	245.3	248.4	249.1	252.8
72.5°	214.3	213.0	211.9	210.1	209.1	208.7	208.8	212.5	214.5	213.7	217.9
75°	167.5	166.2	165.0	161.8	161.8	160.0	160.7	163.1	165.6	163.7	167.5
77.5°	123.0	119.1	118.9	119.8	117.6	118.0	117.3	116.9	118.0	118.2	121.5
80°	94.7	90.3	91.5	90.9	90.3	89.7	88.4	89.0	89.7	90.3	92.1
82.5°	68.2	67.9	66.6	66.5	65.9	64.2	63.5	64.6	65.3	64.9	66.2
85°	34.9	33.0	34.2	33.6	34.2	33.6	31.8	31.8	33.0	32.4	33.6
87.5°	14.4	14.3	13.3	13.3	12.4	12.4	11.5	11.6	11.8	11.5	12.1
90°	19.6	19.0	16.7	14.4	12.1	9.8	7.8	6.1	4.3	2.5	0.8
92.5°	30.9	30.3	29.1	27.7	26.5	25.2	23.9	22.7	21.5	20.4	19.2
95°	59.3	58.5	57.1	55.7	54.3	52.9	51.6	50.4	49.1	47.8	46.7
97.5°	92.4	91.6	90.5	89.5	88.5	87.5	86.5	85.6	84.7	83.8	82.9
100°	116.8	116.2	115.3	114.5	113.6	112.7	111.8	110.7	109.6	108.6	107.6
102.5°	144.6	144.1	142.9	141.7	140.6	139.4	138.6	137.9	137.3	136.7	136.0
105°	186.6	186.6	185.1	183.5	181.9	180.3	179.4	179.0	178.6	178.2	177.9
107.5°	231.0	230.4	229.8	229.2	228.5	227.9	227.5	227.3	227.0	226.9	226.6
110°	260.9	260.2	259.8	259.4	259.1	258.7	258.4	258.0	257.7	257.4	257.0



TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	290.7	289.9	289.9	289.8	289.7	289.6	289.5	289.2	289.1	288.8	288.6
115°	337.1	336.8	337.2	337.5	337.9	338.3	338.2	337.6	337.2	336.6	336.0
117.5°	383.3	383.3	383.8	384.3	384.8	385.2	385.2	384.9	384.5	384.2	383.8
120°	414.2	414.4	415.3	416.1	417.0	417.9	417.8	416.8	415.7	414.6	413.6
122.5°	445.5	446.0	446.5	446.9	447.3	447.8	447.7	446.9	446.1	445.4	444.6
125°	491.9	492.7	493.0	493.4	493.7	494.1	493.9	493.5	492.9	492.4	491.9
127.5°	537.8	538.8	539.2	539.6	540.0	540.3	540.0	538.8	537.7	536.6	535.5
130°	567.8	568.5	569.1	569.6	570.1	570.7	570.2	568.8	567.4	566.0	564.6
132.5°	597.5	598.3	598.7	599.0	599.4	599.8	599.4	597.9	596.5	595.1	593.7
135°	641.4	642.1	642.3	642.5	642.6	642.8	642.4	641.3	640.2	639.2	638.2
137.5°	684.5	685.2	684.8	684.4	683.9	683.4	682.8	681.9	681.0	680.2	679.3
140°	712.3	712.5	712.3	712.1	711.9	711.8	711.2	710.3	709.5	708.6	707.7
142.5°	738.9	739.0	738.7	738.4	738.1	737.8	737.2	736.3	735.5	734.5	733.6
145°	777.9	778.1	777.6	777.1	776.5	776.0	775.5	775.2	774.8	774.5	774.1
147.5°	814.7	814.7	814.1	813.7	813.2	812.7	812.1	811.5	810.9	810.2	809.6
150°	837.4	837.4	837.1	836.7	836.4	836.0	835.7	835.3	835.0	834.6	834.2
152.5°	857.9	857.7	857.5	857.2	857.1	856.8	856.4	856.0	855.5	855.0	854.5
155°	888.0	887.2	887.1	886.8	886.7	886.5	886.5	886.5	886.5	886.5	886.5
157.5°	914.1	913.3	913.2	913.1	912.9	912.8	912.8	913.0	913.2	913.5	913.6
160°	930.0	929.2	929.2	929.2	929.2	929.2	929.3	929.7	930.0	930.3	930.7
162.5°	945.2	944.4	944.2	944.0	943.9	943.8	944.0	944.4	944.9	945.4	945.9
165°	964.2	963.1	963.1	963.1	963.1	963.1	963.5	963.9	964.5	965.0	965.5
167.5°	979.8	978.7	978.5	978.3	978.3	978.1	978.3	979.1	979.8	980.5	981.2
170°	988.1	986.9	986.9	986.9	986.9	986.9	987.2	987.9	988.6	989.4	990.1
172.5°	994.9	993.8	993.8	993.8	993.8	993.8	994.2	994.9	995.6	996.3	997.0
175°	1002.2	1001.1	1001.1	1001.1	1001.1	1001.1	1001.5	1002.2	1002.8	1003.5	1004.2
177.5°	1005.6	1004.7	1004.7	1004.7	1004.7	1004.7	1005.0	1005.6	1006.2	1006.7	1007.3
180°	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6



TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1293.0	1295.5	1303.9	1310.0	1316.9	1320.9	1324.8	1327.9	1331.8	1332.8	1347.3
5°	1298.7	1311.2	1333.0	1349.2	1369.0	1390.8	1405.8	1412.7	1430.7	1445.7	1475.5
7.5°	1297.1	1323.7	1356.5	1390.6	1427.2	1461.1	1490.5	1525.3	1550.1	1587.4	1624.1
10°	1295.6	1331.1	1373.4	1417.1	1468.1	1515.4	1557.7	1605.0	1644.3	1695.9	1740.1
12.5°	1291.1	1334.1	1392.9	1444.4	1506.4	1571.7	1634.4	1695.2	1730.0	1816.0	1856.7
15°	1280.1	1331.1	1404.5	1483.0	1568.3	1645.5	1725.2	1788.7	1891.4	1966.8	2014.7
17.5°	1258.9	1330.4	1417.5	1512.1	1615.9	1717.6	1807.9	1904.2	2013.3	2104.4	2201.5
20°	1249.0	1327.4	1424.5	1529.1	1636.8	1752.0	1854.7	1970.5	2089.5	2179.1	2303.6
22.5°	1230.5	1319.4	1424.0	1540.6	1655.7	1774.9	1895.1	2011.8	2149.2	2272.7	2391.3
25°	1200.4	1300.0	1408.3	1538.4	1673.6	1793.1	1936.9	2091.9	2235.1	2393.9	2512.2
27.5°	1168.7	1275.1	1383.6	1504.7	1650.0	1791.8	1972.8	2147.9	2323.0	2460.1	2547.7
30°	1144.3	1247.7	1359.8	1481.8	1625.6	1794.3	1996.6	2187.8	2358.4	2476.0	2525.2
32.5°	1117.9	1222.7	1321.9	1449.9	1603.1	1792.8	2011.6	2211.2	2360.4	2438.7	2429.1
35°	1076.5	1164.3	1260.8	1384.0	1564.6	1781.9	2020.3	2213.3	2304.9	2288.1	2161.0
37.5°	1016.7	1090.5	1185.6	1320.5	1519.7	1758.8	2002.9	2147.7	2141.7	2004.9	1820.8
40°	979.4	1042.2	1133.8	1275.7	1484.9	1743.9	1975.5	2069.5	1989.8	1798.6	1578.3
42.5°	930.5	988.4	1080.0	1225.9	1446.5	1713.5	1923.2	1950.4	1794.5	1574.5	1372.5
45°	854.8	905.9	1000.5	1151.2	1389.0	1647.3	1795.6	1728.9	1519.1	1291.9	1138.1
47.5°	773.5	826.6	917.6	1072.4	1305.8	1547.9	1618.5	1476.8	1261.4	1077.1	935.9
50°	722.2	773.2	862.3	1018.6	1249.5	1466.2	1495.5	1312.4	1114.4	952.6	836.8
52.5°	670.4	718.5	806.0	962.7	1183.8	1371.6	1353.5	1167.0	984.9	847.0	756.1
55°	593.3	638.8	722.2	869.1	1070.2	1219.0	1153.7	975.6	824.9	717.9	648.7
57.5°	524.3	567.9	639.9	772.6	947.5	1049.7	966.5	816.5	696.6	614.3	562.7
60°	477.5	516.1	584.6	707.9	859.8	937.6	855.5	722.9	621.9	556.0	509.9
62.5°	433.2	466.8	530.3	642.1	774.1	839.5	756.3	644.1	558.3	499.7	460.6
65°	366.1	396.6	452.7	539.8	648.1	691.7	620.1	529.2	462.6	419.0	392.8
67.5°	304.8	330.7	379.1	447.7	527.4	559.2	504.7	434.4	384.1	349.1	328.4
70°	264.0	286.4	324.4	383.5	455.7	480.0	429.0	371.1	334.3	306.3	287.0
72.5°	229.6	246.1	280.5	326.2	386.5	405.8	370.2	319.2	285.0	264.0	248.7
75°	174.9	188.6	211.0	247.8	289.5	300.7	273.9	242.2	219.1	204.2	192.3
77.5°	126.1	136.3	152.4	175.1	204.0	214.0	197.1	175.9	159.1	149.0	142.4
80°	95.2	103.4	117.1	135.7	153.1	158.8	148.8	132.6	120.8	115.2	109.6
82.5°	70.3	74.9	83.2	95.9	107.8	114.5	106.0	96.3	89.9	84.8	82.7
85°	35.5	37.9	41.7	46.7	54.2	56.6	53.6	51.0	47.3	44.2	44.2
87.5°	13.5	13.8	15.7	17.0	19.4	21.4	21.3	20.8	20.8	20.4	20.0
90°	2.5	4.3	6.1	7.8	9.8	12.1	14.4	16.7	19.0	19.6	20.4
92.5°	20.4	21.5	22.7	23.9	25.2	26.5	27.7	29.1	30.3	30.9	31.5
95°	47.8	49.1	50.4	51.6	52.9	54.3	55.7	57.1	58.5	59.3	59.9
97.5°	83.8	84.7	85.6	86.5	87.5	88.5	89.5	90.5	91.6	92.4	93.2
100°	108.6	109.6	110.7	111.8	112.7	113.6	114.5	115.3	116.2	116.8	117.3
102.5°	136.7	137.3	137.9	138.6	139.4	140.6	141.7	142.9	144.1	144.6	145.1
105°	178.2	178.6	179.0	179.4	180.3	181.9	183.5	185.1	186.6	186.6	186.6
107.5°	226.9	227.0	227.3	227.5	227.9	228.5	229.2	229.8	230.4	231.0	231.6
110°	257.4	257.7	258.0	258.4	258.7	259.1	259.4	259.8	260.2	260.9	261.6





TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	288.8	289.1	289.2	289.5	289.6	289.7	289.8	289.9	289.9	290.7	291.6
115°	336.6	337.2	337.6	338.2	338.3	337.9	337.5	337.2	336.8	337.1	337.2
117.5°	384.2	384.5	384.9	385.2	385.2	384.8	384.3	383.8	383.3	383.3	383.3
120°	414.6	415.7	416.8	417.8	417.9	417.0	416.1	415.3	414.4	414.2	414.0
122.5°	445.4	446.1	446.9	447.7	447.8	447.3	446.9	446.5	446.0	445.5	445.0
125°	492.4	492.9	493.5	493.9	494.1	493.7	493.4	493.0	492.7	491.9	491.2
127.5°	536.6	537.7	538.8	540.0	540.3	540.0	539.6	539.2	538.8	537.8	536.9
130°	566.0	567.4	568.8	570.2	570.7	570.1	569.6	569.1	568.5	567.8	567.1
132.5°	595.1	596.5	597.9	599.4	599.8	599.4	599.0	598.7	598.3	597.5	596.6
135°	639.2	640.2	641.3	642.4	642.8	642.6	642.5	642.3	642.1	641.4	640.7
137.5°	680.2	681.0	681.9	682.8	683.4	683.9	684.4	684.8	685.2	684.5	683.8
140°	708.6	709.5	710.3	711.2	711.8	711.9	712.1	712.3	712.5	712.3	712.1
142.5°	734.5	735.5	736.3	737.2	737.8	738.1	738.4	738.7	739.0	738.9	738.7
145°	774.5	774.8	775.2	775.5	776.0	776.5	777.1	777.6	778.1	777.9	777.8
147.5°	810.2	810.9	811.5	812.1	812.7	813.2	813.7	814.1	814.7	814.7	814.7
150°	834.6	835.0	835.3	835.7	836.0	836.4	836.7	837.1	837.4	837.4	837.4
152.5°	855.0	855.5	856.0	856.4	856.8	857.1	857.2	857.5	857.7	857.9	858.3
155°	886.5	886.5	886.5	886.5	886.5	886.7	886.8	887.1	887.2	888.0	888.7
157.5°	913.5	913.2	913.0	912.8	912.8	912.9	913.1	913.2	913.3	914.1	914.8
160°	930.3	930.0	929.7	929.3	929.2	929.2	929.2	929.2	929.2	930.0	930.9
162.5°	945.4	944.9	944.4	944.0	943.8	943.9	944.0	944.2	944.4	945.2	946.1
165°	965.0	964.5	963.9	963.5	963.1	963.1	963.1	963.1	963.1	964.2	965.3
167.5°	980.5	979.8	979.1	978.3	978.1	978.3	978.3	978.5	978.7	979.8	980.8
170°	989.4	988.6	987.9	987.2	986.9	986.9	986.9	986.9	986.9	988.1	989.4
172.5°	996.3	995.6	994.9	994.2	993.8	993.8	993.8	993.8	993.8	994.9	996.0
175°	1003.5	1002.8	1002.2	1001.5	1001.1	1001.1	1001.1	1001.1	1001.1	1002.2	1003.2
177.5°	1006.7	1006.2	1005.6	1005.0	1004.7	1004.7	1004.7	1004.7	1004.7	1005.6	1006.5
180°	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6



TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1352.3	1352.7	1358.3	1362.2	1360.3	1362.7	1363.7
5°	1477.4	1499.8	1511.6	1520.4	1521.0	1521.6	1526.6
7.5°	1654.9	1678.9	1696.5	1723.1	1731.1	1740.1	1737.5
10°	1784.4	1819.8	1850.4	1866.5	1884.0	1909.5	1889.0
12.5°	1905.4	1968.3	2014.7	2039.9	2056.3	2061.4	2051.4
15°	2105.0	2187.1	2231.3	2230.2	2286.2	2310.5	2272.5
17.5°	2288.1	2363.9	2424.6	2455.8	2502.4	2512.8	2508.0
20°	2400.1	2482.9	2530.2	2583.8	2608.0	2629.8	2633.5
22.5°	2496.7	2571.0	2621.9	2666.4	2686.8	2697.1	2703.3
25°	2596.2	2654.8	2685.3	2700.8	2706.4	2705.1	2697.1
27.5°	2589.3	2593.8	2560.3	2527.2	2497.8	2464.5	2453.0
30°	2522.1	2469.8	2376.5	2323.5	2245.7	2184.0	2208.9
32.5°	2345.3	2241.2	2136.4	2020.7	1924.9	1897.7	1870.3
35°	2001.6	1818.6	1711.5	1587.0	1537.2	1487.4	1453.1
37.5°	1619.4	1477.8	1350.8	1269.3	1219.4	1187.9	1171.0
40°	1400.2	1272.6	1168.0	1102.0	1064.0	1028.5	1023.6
42.5°	1225.4	1106.8	1028.0	975.5	939.0	923.9	913.0
45°	1003.6	920.8	867.9	830.5	806.3	796.9	784.5
47.5°	849.5	790.9	751.2	725.8	707.5	700.5	699.6
50°	763.3	714.7	685.5	665.5	651.3	648.7	638.8
52.5°	698.5	656.5	633.7	616.2	605.9	599.0	596.0
55°	606.4	578.4	557.9	547.9	539.8	532.9	532.9
57.5°	530.6	507.2	493.6	485.1	482.6	477.8	474.7
60°	483.8	463.8	453.3	445.8	440.8	441.4	435.8
62.5°	437.9	425.0	414.9	407.4	401.5	401.6	402.0
65°	373.0	363.0	355.5	353.0	349.3	344.9	346.2
67.5°	316.0	306.7	300.9	296.6	295.3	293.0	296.6
70°	275.2	268.3	264.0	260.2	259.0	259.6	262.8
72.5°	237.8	233.0	230.1	228.4	225.6	225.8	227.8
75°	186.8	183.1	180.5	178.7	178.1	178.1	178.1
77.5°	137.2	136.3	135.2	132.5	132.6	133.3	133.5
80°	108.4	106.5	105.8	104.6	102.7	101.5	104.6
82.5°	81.0	79.1	78.4	78.2	75.3	75.1	77.7
85°	43.6	41.7	42.3	41.7	41.7	41.1	41.1
87.5°	19.6	19.3	18.9	19.5	19.0	18.6	19.7
90°	21.1	21.8	22.3	22.7	23.1	23.4	23.7
92.5°	32.1	32.6	32.8	32.6	32.4	32.2	31.9
95°	60.6	61.3	61.7	61.7	61.7	61.7	61.7
97.5°	94.0	94.8	95.1	95.1	95.1	95.0	94.9
100°	117.8	118.4	118.8	119.1	119.5	119.9	120.2
102.5°	145.7	146.2	146.4	146.3	146.2	146.2	146.2
105°	186.6	186.6	186.8	187.1	187.5	187.8	188.2
107.5°	232.1	232.7	232.8	232.7	232.4	232.2	232.0
110°	262.3	263.0	263.2	262.8	262.4	262.1	261.7



TEST NUMBER: P332073-927

CATALOG NUMBER: S123DIP-S1165D1025U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	292.4	293.3	293.7	293.6	293.5	293.4	293.3
115°	337.4	337.5	337.5	337.4	337.2	337.1	336.8
117.5°	383.3	383.3	382.9	382.5	382.0	381.5	381.0
120°	413.8	413.7	413.4	413.0	412.7	412.3	412.0
122.5°	444.7	444.2	443.7	443.2	442.7	442.2	441.7
125°	490.5	489.8	489.1	488.5	487.7	487.0	486.3
127.5°	535.9	534.9	534.0	533.2	532.3	531.6	530.8
130°	566.4	565.8	564.7	563.6	562.3	561.1	559.8
132.5°	595.8	594.9	594.1	593.1	592.2	591.2	590.3
135°	640.0	639.3	638.7	638.4	638.0	637.7	637.4
137.5°	683.1	682.3	681.6	681.0	680.2	679.6	679.0
140°	711.9	711.8	711.1	709.9	708.6	707.4	706.2
142.5°	738.6	738.3	737.8	736.8	735.9	734.9	734.0
145°	777.6	777.4	777.0	776.3	775.5	774.8	774.1
147.5°	814.7	814.7	814.1	813.1	812.0	811.0	809.9
150°	837.4	837.4	836.9	835.8	834.8	833.7	832.7
152.5°	858.5	858.8	858.5	857.5	856.7	855.7	854.8
155°	889.4	890.0	889.8	888.6	887.3	886.1	884.9
157.5°	915.5	916.3	916.2	915.2	914.2	913.2	912.2
160°	931.8	932.6	932.7	932.1	931.4	930.7	929.9
162.5°	947.0	947.8	947.7	946.6	945.5	944.4	943.3
165°	966.3	967.3	967.3	966.1	964.8	963.6	962.3
167.5°	981.9	983.0	983.0	981.9	980.8	979.8	978.7
170°	990.5	991.8	991.8	990.5	989.4	988.1	986.9
172.5°	997.1	998.1	998.1	996.9	995.7	994.4	993.2
175°	1004.2	1005.4	1005.2	1004.0	1002.7	1001.6	1000.3
177.5°	1007.3	1008.1	1008.1	1007.1	1006.1	1005.1	1004.1
180°	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6	1006.6

(END OF REPORT)