

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: P332625-927

Luminaire Tested: **S124DIP-S1020D365U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332625-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIP-S1020D365U927-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1020 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4806.4 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Direct

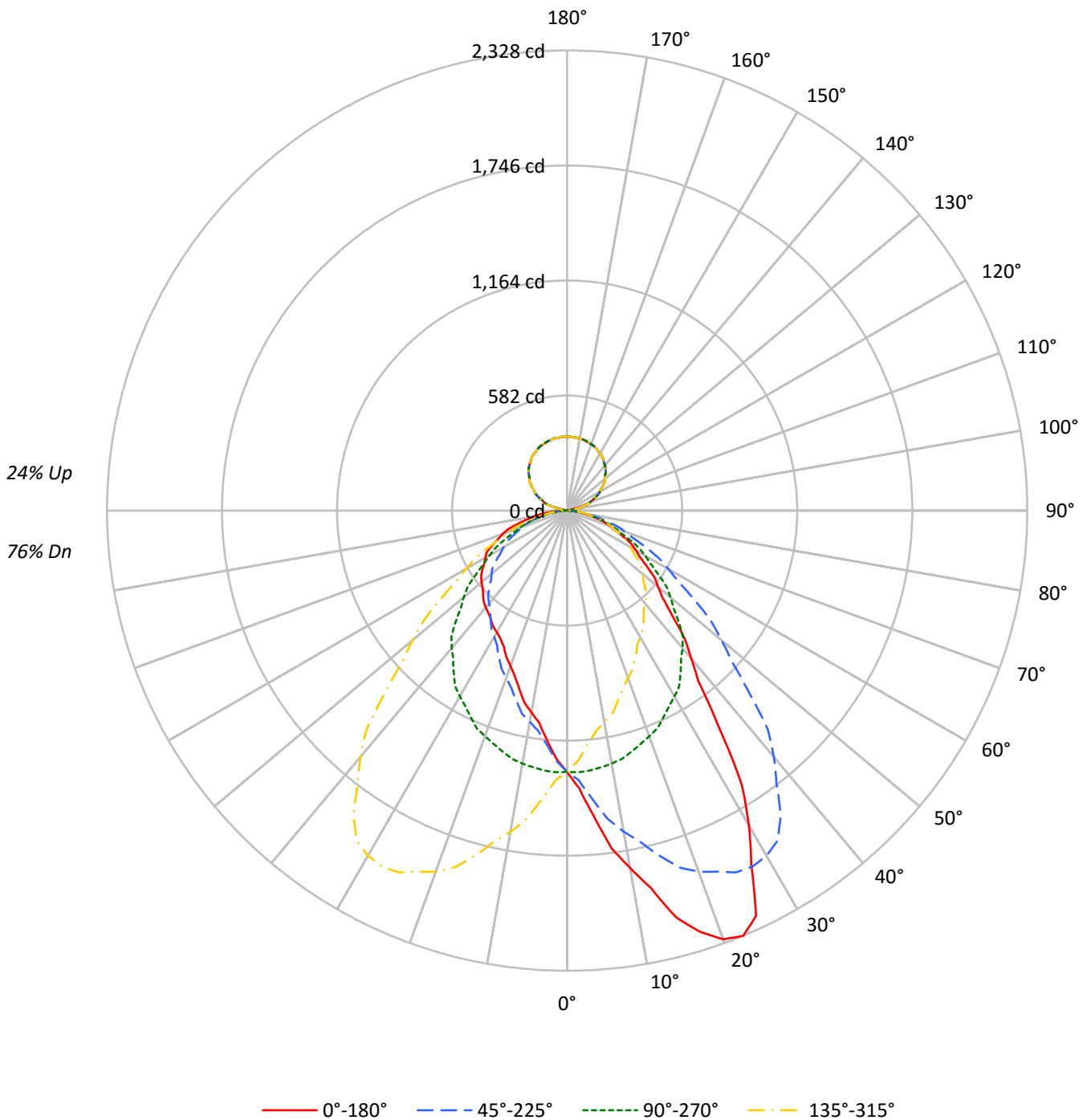
Input Watts (W): 43.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80	76
1	104	100	96	92	99	95	91	88	86	84	81	78	76	74	71	70	68	65
2	95	87	81	76	90	83	78	73	76	72	68	69	66	63	63	60	58	55
3	87	77	70	64	82	74	67	62	68	62	58	62	57	54	56	53	50	47
4	80	69	61	54	76	66	58	53	60	54	49	55	50	46	50	46	43	40
5	73	61	53	47	70	59	51	46	54	48	43	50	45	40	46	41	38	35
6	68	55	47	41	64	53	46	40	49	43	38	45	40	36	42	37	34	31
7	63	50	42	36	60	48	41	35	45	38	34	41	36	32	38	33	30	28
8	59	46	38	32	56	44	37	32	41	35	30	38	32	28	35	30	27	25
9	55	42	34	29	52	41	33	28	38	31	27	35	30	26	32	28	24	22
10	51	39	31	26	49	37	30	26	35	29	25	32	27	23	30	26	22	20

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

	0°	90°	180°	270°
0°	10672	10672	10672	10672
5°	12568	10699	9444	10699
10°	15048	10653	8502	10653
15°	17804	10546	7809	10546
20°	19826	10436	7189	10436
25°	20147	10273	6762	10273
30°	17143	10118	6626	10118
35°	13180	9866	6628	9866
40°	10273	9569	6752	9569
45°	8566	9122	6865	9122
50°	7538	8577	7097	8577
55°	6906	7924	7385	7924
60°	6471	7340	7727	7340
65°	6025	6684	8013	6684
70°	5507	6035	8195	6035
75°	4919	5312	8097	5312
80°	4124	4351	7843	4351
85°	3047	3149	7503	3149



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CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.8	2.7
10°-20°	397.0	8.3
20°-30°	629.5	13.1
30°-40°	700.6	14.6
40°-50°	637.7	13.3
50°-60°	521.1	10.8
60°-70°	372.0	7.7
70°-80°	204.9	4.3
80°-90°	57.0	1.2
90°-100°	12.8	0.3
100°-110°	81.6	1.7
110°-120°	156.1	3.2
120°-130°	198.2	4.1
130°-140°	212.1	4.4
140°-150°	198.3	4.1
150°-160°	159.9	3.3
160°-170°	103.2	2.1
170°-180°	35.6	0.7
0°-30°	1155.3	24.0
0°-40°	1855.8	38.6
0°-60°	3014.6	62.7
0°-90°	3648.5	75.9
90°-120°	250.6	5.2
90°-150°	859.2	17.9
90°-180°	1158.0	24.1
0°-180°	4806.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1322	1322	1322	1322	1322	
5°	1551	1320	1165	1320	1551	158
15°	2130	1262	934	1262	2130	602
25°	2262	1153	759	1153	2262	997
35°	1337	1001	672	1001	1337	849
45°	750	799	601	799	750	591
55°	491	563	525	563	491	443
65°	315	350	420	350	315	312
75°	158	170	260	170	158	168
85°	33	34	81	34	33	40
90°	8	1	8	1	8	5
95°	8	15	8	15	8	6
105°	80	84	80	84	80	70
115°	158	157	158	157	158	157
125°	223	221	223	221	223	198
135°	276	274	276	274	276	213
145°	318	316	318	316	318	199
155°	347	347	347	347	347	160
165°	364	366	364	366	364	103
175°	372	374	372	374	372	35
180°	374	374	374	374	374	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0
2.5°	1407.0	1406.6	1402.2	1401.3	1398.2	1394.3	1393.4	1386.4	1372.4	1365.8	1364.1
5°	1550.9	1561.9	1547.6	1544.9	1543.3	1525.2	1515.8	1504.9	1479.7	1464.9	1453.4
7.5°	1722.7	1723.9	1717.8	1712.7	1698.8	1683.0	1659.4	1634.2	1604.2	1573.0	1549.4
10°	1835.7	1840.1	1833.0	1831.8	1804.0	1786.4	1751.4	1721.8	1687.8	1650.0	1615.6
12.5°	1954.9	1948.7	1945.1	1921.7	1916.5	1884.5	1843.8	1813.4	1761.0	1717.5	1671.6
15°	2130.3	2118.3	2110.6	2078.3	2062.4	2018.1	1974.8	1941.4	1873.0	1807.8	1758.5
17.5°	2233.2	2245.4	2227.6	2214.3	2173.3	2142.1	2097.9	2027.8	1974.3	1893.3	1831.1
20°	2307.8	2308.8	2299.0	2285.3	2253.0	2213.6	2165.4	2088.7	2024.7	1944.1	1858.7
22.5°	2327.9	2328.1	2323.9	2311.1	2286.7	2254.7	2206.1	2142.1	2064.5	1977.0	1891.6
25°	2261.8	2259.5	2264.5	2278.7	2269.4	2259.5	2231.7	2184.0	2111.7	2019.1	1927.1
27.5°	2015.9	2031.1	2058.9	2094.0	2127.7	2153.5	2160.7	2150.9	2106.1	2030.0	1933.6
30°	1839.0	1857.6	1878.4	1913.4	1981.3	2020.2	2063.0	2095.2	2077.2	2016.4	1926.6
32.5°	1644.5	1649.1	1680.0	1719.8	1782.0	1856.8	1924.5	1990.1	2011.9	1980.1	1905.1
35°	1337.4	1345.0	1378.4	1417.8	1494.0	1585.4	1687.3	1778.2	1853.2	1883.3	1845.0
37.5°	1091.3	1113.3	1136.9	1179.3	1246.3	1328.6	1434.5	1552.1	1664.0	1738.8	1751.6
40°	974.8	988.5	1005.4	1037.8	1094.7	1175.8	1266.7	1401.4	1520.3	1627.6	1662.6
42.5°	882.8	890.8	901.2	930.4	973.8	1054.4	1137.4	1255.9	1375.2	1503.6	1562.3
45°	750.3	758.5	776.0	793.0	825.9	881.7	958.9	1056.4	1176.3	1300.1	1408.5
47.5°	654.5	659.8	670.2	688.4	716.3	753.1	815.9	897.4	1008.5	1128.7	1244.2
50°	600.2	604.6	612.8	629.2	650.6	683.4	734.9	811.0	898.1	1019.1	1132.5
52.5°	557.3	559.0	565.1	576.2	593.2	620.8	663.1	726.0	807.0	914.9	1027.8
55°	490.7	492.9	498.4	506.6	521.3	538.8	571.2	618.3	689.0	782.6	880.6
57.5°	435.9	437.4	442.0	445.2	457.4	471.7	496.5	530.1	583.7	663.1	750.6
60°	400.8	399.8	405.3	408.0	416.2	428.3	447.4	479.7	526.2	590.3	670.8
62.5°	366.7	365.2	369.8	373.4	378.1	388.4	404.0	429.4	467.1	525.1	594.6
65°	315.4	313.2	316.0	320.4	324.7	330.3	341.7	364.2	394.3	435.9	489.0
67.5°	264.0	266.3	266.7	268.9	271.4	278.8	286.8	302.6	323.8	357.2	402.2
70°	233.3	233.9	236.1	236.1	237.7	244.2	250.8	260.2	280.9	311.6	348.3
72.5°	202.6	204.9	204.1	205.8	207.0	211.4	216.2	225.1	242.8	265.6	296.6
75°	157.7	159.4	159.4	159.9	161.5	163.2	167.0	173.6	186.2	203.2	224.5
77.5°	115.0	115.3	116.0	118.0	118.0	120.6	123.4	128.7	134.9	146.6	159.5
80°	88.7	89.8	89.3	90.4	90.4	92.5	93.6	100.2	103.0	110.6	121.0
82.5°	65.0	66.1	66.1	67.6	68.4	68.9	70.4	73.0	75.8	82.5	86.8
85°	32.9	34.0	32.9	34.0	35.6	36.1	37.8	38.3	40.6	42.1	46.0
87.5°	11.3	12.6	12.6	13.0	13.9	14.3	14.6	14.1	15.8	16.2	17.7
90°	8.4	8.2	8.2	8.0	7.9	7.7	7.3	6.9	6.5	6.2	5.6
92.5°	7.8	7.7	7.7	7.7	7.6	7.4	7.1	6.7	6.3	5.9	5.5
95°	8.1	8.1	8.0	7.9	7.8	7.7	7.3	6.9	6.5	6.2	6.1
97.5°	7.8	7.8	7.7	7.7	7.6	7.5	7.5	7.4	7.4	7.4	14.3
100°	7.8	7.8	7.7	7.7	7.6	8.1	9.1	10.2	11.2	12.4	20.9
102.5°	8.1	8.1	8.0	8.0	8.0	13.7	25.1	36.5	47.9	59.3	60.4
105°	79.8	82.0	84.3	86.5	88.7	89.6	89.0	88.5	87.9	87.4	87.1
107.5°	111.2	111.0	110.7	110.5	110.3	110.0	109.7	109.5	109.2	108.9	108.4
110°	124.8	124.7	124.5	124.3	124.1	124.0	123.8	123.7	123.6	123.5	123.1



TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	138.6	138.3	138.1	137.8	137.6	137.4	137.5	137.5	137.5	137.6	137.4
115°	158.4	158.4	158.4	158.4	158.4	158.4	158.3	158.1	158.0	157.9	158.0
117.5°	178.7	178.8	178.8	178.8	178.8	178.9	178.9	178.9	179.0	179.0	178.8
120°	191.5	191.6	191.7	191.9	192.0	192.0	191.9	191.7	191.6	191.5	191.5
122.5°	204.1	204.1	204.3	204.4	204.5	204.5	204.5	204.4	204.3	204.3	204.1
125°	222.8	222.8	222.8	222.7	222.6	222.4	222.3	222.1	221.9	221.7	221.9
127.5°	239.4	239.4	239.5	239.6	239.6	239.6	239.6	239.7	239.7	239.8	239.5
130°	250.6	250.6	250.6	250.6	250.6	250.6	250.5	250.4	250.3	250.3	250.1
132.5°	260.9	260.9	260.9	261.0	261.1	261.1	261.0	260.9	260.9	260.8	260.5
135°	276.3	276.2	276.1	275.9	275.8	275.7	275.6	275.4	275.4	275.2	275.0
137.5°	289.5	289.5	289.6	289.6	289.7	289.6	289.5	289.4	289.2	289.1	288.8
140°	298.7	298.7	298.6	298.6	298.5	298.3	298.2	297.9	297.8	297.6	297.5
142.5°	306.3	306.3	306.3	306.3	306.3	306.2	306.1	305.9	305.8	305.7	305.6
145°	318.1	317.9	317.8	317.7	317.5	317.4	317.4	317.3	317.3	317.2	317.2
147.5°	327.7	327.6	327.6	327.6	327.5	327.4	327.4	327.3	327.3	327.3	327.3
150°	334.0	333.9	333.9	333.8	333.7	333.7	333.7	333.7	333.7	333.7	333.7
152.5°	339.4	339.5	339.5	339.5	339.5	339.5	339.4	339.3	339.2	339.1	339.2
155°	346.6	346.8	347.0	347.1	347.4	347.3	347.1	346.8	346.6	346.3	346.5
157.5°	352.7	353.0	353.3	353.6	353.9	353.9	353.6	353.3	353.0	352.7	352.8
160°	356.6	357.0	357.4	357.8	358.1	358.1	357.8	357.4	357.0	356.6	356.7
162.5°	359.8	360.2	360.7	361.1	361.5	361.6	361.2	360.8	360.4	360.0	360.1
165°	364.2	364.8	365.4	365.9	366.5	366.5	366.0	365.5	365.0	364.5	364.5
167.5°	367.6	368.1	368.8	369.4	370.0	370.0	369.6	369.0	368.4	367.9	367.9
170°	369.6	370.2	370.8	371.5	372.0	372.1	371.6	371.1	370.6	370.1	370.0
172.5°	370.7	371.4	372.0	372.7	373.4	373.4	373.0	372.5	371.9	371.5	371.4
175°	372.1	372.8	373.6	374.3	375.1	375.2	374.6	374.1	373.5	372.9	372.9
177.5°	373.0	373.6	374.1	374.8	375.3	375.5	375.1	374.7	374.3	373.8	373.8
180°	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3



TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0
2.5°	1364.5	1358.4	1354.0	1350.5	1340.8	1335.1	1330.8	1324.6	1317.6	1310.2	1301.0
5°	1441.9	1423.3	1409.6	1388.9	1369.1	1352.7	1335.7	1320.3	1301.7	1281.5	1266.7
7.5°	1523.3	1495.6	1460.2	1429.3	1394.7	1364.6	1337.7	1310.0	1281.4	1253.5	1228.0
10°	1575.0	1539.4	1500.0	1453.4	1409.6	1370.7	1334.6	1299.6	1265.6	1231.6	1202.6
12.5°	1630.6	1586.3	1528.0	1473.6	1424.5	1372.5	1328.9	1285.9	1245.0	1209.3	1175.4
15°	1705.3	1641.2	1573.9	1501.1	1436.5	1375.7	1316.0	1261.8	1215.8	1168.6	1135.8
17.5°	1751.3	1672.0	1595.0	1518.9	1440.6	1364.0	1299.6	1237.0	1179.4	1132.7	1091.2
20°	1781.5	1702.6	1606.8	1530.7	1437.6	1358.7	1284.2	1214.7	1154.4	1104.6	1061.8
22.5°	1807.8	1716.7	1620.8	1520.6	1427.9	1344.3	1262.7	1192.8	1131.2	1078.7	1037.8
25°	1822.0	1717.4	1613.4	1513.7	1408.5	1309.4	1235.5	1153.3	1087.6	1032.3	988.5
27.5°	1823.5	1711.7	1593.9	1483.2	1374.7	1282.4	1189.1	1115.6	1047.4	989.0	946.9
30°	1818.7	1702.1	1575.6	1455.6	1346.6	1246.4	1165.4	1085.4	1015.9	957.8	914.0
32.5°	1803.4	1681.9	1551.9	1425.0	1312.0	1214.0	1130.4	1054.3	986.5	929.3	883.4
35°	1759.0	1639.1	1500.6	1368.6	1253.0	1153.9	1078.3	1001.1	933.2	878.9	834.6
37.5°	1689.7	1581.3	1440.4	1303.9	1190.3	1090.8	1015.9	946.1	884.9	829.8	784.3
40°	1629.2	1533.9	1392.7	1259.6	1136.9	1042.2	972.1	908.0	847.2	795.2	751.9
42.5°	1559.6	1476.5	1346.2	1205.2	1087.0	991.8	923.4	865.9	808.7	760.6	717.3
45°	1435.4	1380.6	1257.9	1127.6	1004.4	914.6	849.4	799.0	750.8	703.7	667.6
47.5°	1292.5	1265.4	1162.1	1038.3	921.4	832.8	776.3	729.8	687.5	647.6	615.8
50°	1196.6	1183.4	1094.2	974.8	863.1	779.8	722.9	682.9	646.7	611.7	581.6
52.5°	1101.9	1101.5	1021.0	911.7	808.3	728.2	671.6	634.3	602.9	574.5	547.4
55°	957.3	972.6	909.7	812.1	719.6	647.3	596.4	563.0	541.1	517.5	497.3
57.5°	824.4	849.9	797.9	712.0	634.9	568.2	523.9	498.8	475.5	461.2	446.5
60°	737.7	761.8	721.3	649.0	576.2	519.2	477.0	454.6	434.3	424.5	414.0
62.5°	660.6	682.1	652.0	585.0	521.8	467.0	431.4	409.9	396.2	385.4	378.5
65°	550.4	568.5	542.7	494.0	439.7	395.9	366.9	349.9	336.8	332.4	324.7
67.5°	444.9	461.4	447.4	406.0	362.5	329.4	306.7	290.3	282.6	278.8	273.3
70°	382.2	398.7	383.9	347.8	314.3	286.5	265.1	255.7	247.6	245.9	238.2
72.5°	329.2	340.4	325.7	297.4	268.8	245.3	228.7	219.0	214.7	211.8	207.6
75°	247.0	256.8	247.0	225.1	204.8	188.4	174.1	170.3	165.4	163.7	161.0
77.5°	174.8	183.3	175.8	162.1	146.9	134.3	126.6	121.7	120.6	117.7	119.1
80°	133.6	139.1	132.0	122.7	110.6	101.9	96.4	93.6	90.4	89.3	91.4
82.5°	95.9	98.4	94.7	88.5	79.5	73.8	70.1	66.9	66.2	66.5	66.5
85°	49.8	49.3	48.7	43.3	40.6	36.7	34.5	34.0	33.4	34.5	35.6
87.5°	17.7	18.0	17.5	15.6	14.2	12.7	12.1	11.6	12.1	12.7	13.3
90°	5.1	4.7	4.2	3.6	2.9	2.2	1.5	0.9	1.5	2.2	2.9
92.5°	4.9	4.4	4.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
95°	6.0	5.9	5.9	7.0	9.0	11.2	13.3	15.4	13.3	11.2	9.0
97.5°	21.3	28.2	35.2	37.9	36.7	35.3	34.0	32.7	34.0	35.3	36.7
100°	29.5	38.1	46.7	50.4	49.3	48.2	47.1	45.9	47.1	48.2	49.3
102.5°	61.6	62.7	63.8	64.0	63.1	62.3	61.6	60.7	61.6	62.3	63.1
105°	86.7	86.4	86.1	85.8	85.4	85.0	84.6	84.3	84.6	85.0	85.4
107.5°	108.1	107.7	107.2	106.9	106.7	106.5	106.3	106.2	106.3	106.5	106.7
110°	122.7	122.3	122.0	121.7	121.5	121.3	121.1	121.0	121.1	121.3	121.5





TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	137.2	137.0	136.9	136.7	136.3	135.9	135.6	135.3	135.6	135.9	136.3
115°	158.0	158.1	158.1	158.1	157.9	157.7	157.6	157.3	157.6	157.7	157.9
117.5°	178.7	178.6	178.4	178.2	178.0	177.7	177.4	177.2	177.4	177.7	178.0
120°	191.6	191.7	191.7	191.6	191.4	191.2	190.9	190.7	190.9	191.2	191.4
122.5°	204.1	204.0	203.9	203.8	203.7	203.5	203.4	203.2	203.4	203.5	203.7
125°	222.0	222.1	222.2	222.2	221.9	221.7	221.4	221.2	221.4	221.7	221.9
127.5°	239.2	238.9	238.6	238.4	238.4	238.3	238.3	238.2	238.3	238.3	238.4
130°	249.9	249.7	249.5	249.5	249.4	249.3	249.2	249.1	249.2	249.3	249.4
132.5°	260.3	260.1	259.8	259.7	259.6	259.4	259.4	259.3	259.4	259.4	259.6
135°	274.7	274.5	274.2	274.1	274.2	274.3	274.3	274.3	274.3	274.3	274.2
137.5°	288.5	288.3	288.0	287.9	287.8	287.8	287.8	287.7	287.8	287.8	287.8
140°	297.4	297.2	297.1	297.0	296.8	296.8	296.6	296.5	296.6	296.8	296.8
142.5°	305.5	305.5	305.4	305.2	305.0	304.8	304.5	304.4	304.5	304.8	305.0
145°	317.2	317.2	317.2	317.1	317.0	316.7	316.6	316.4	316.6	316.7	317.0
147.5°	327.3	327.4	327.5	327.3	327.0	326.6	326.3	325.9	326.3	326.6	327.0
150°	333.8	333.9	334.0	333.9	333.7	333.4	333.1	332.9	333.1	333.4	333.7
152.5°	339.3	339.5	339.5	339.5	339.3	339.1	338.9	338.7	338.9	339.1	339.3
155°	346.7	346.9	347.1	347.1	347.1	347.0	347.0	346.9	347.0	347.0	347.1
157.5°	353.1	353.3	353.5	353.6	353.6	353.7	353.7	353.8	353.7	353.7	353.6
160°	356.8	356.9	357.0	357.0	357.3	357.4	357.6	357.8	357.6	357.4	357.3
162.5°	360.1	360.2	360.3	360.4	360.7	360.9	361.2	361.4	361.2	360.9	360.7
165°	364.5	364.5	364.5	364.6	365.0	365.3	365.6	365.9	365.6	365.3	365.0
167.5°	368.0	368.0	368.0	368.2	368.5	368.8	369.2	369.5	369.2	368.8	368.5
170°	370.0	369.9	369.9	370.0	370.4	370.7	371.1	371.5	371.1	370.7	370.4
172.5°	371.4	371.3	371.2	371.4	371.8	372.1	372.5	372.9	372.5	372.1	371.8
175°	372.8	372.7	372.6	372.8	373.2	373.6	373.9	374.3	373.9	373.6	373.2
177.5°	373.7	373.6	373.4	373.6	373.9	374.3	374.6	375.0	374.6	374.3	373.9
180°	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3



TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0
2.5°	1296.6	1292.7	1287.0	1279.1	1272.5	1265.5	1263.8	1261.1	1266.4	1261.9	1260.7
5°	1254.1	1242.6	1227.8	1210.9	1200.9	1186.8	1184.0	1178.5	1173.1	1172.5	1167.0
7.5°	1209.1	1192.2	1172.8	1155.6	1139.6	1123.9	1113.8	1111.6	1103.5	1098.8	1093.3
10°	1180.2	1159.4	1136.9	1120.5	1101.8	1085.4	1074.0	1067.4	1061.8	1055.8	1050.4
12.5°	1146.0	1123.9	1105.3	1087.6	1065.5	1053.0	1034.0	1022.6	1021.6	1021.7	1007.4
15°	1106.2	1084.3	1055.8	1030.6	1018.6	994.5	984.1	971.0	962.7	954.5	948.0
17.5°	1060.8	1033.5	1011.3	982.4	959.3	940.2	926.5	918.6	906.3	894.6	886.2
20°	1032.3	1003.3	979.7	949.0	923.8	900.3	888.8	877.9	868.5	858.7	849.4
22.5°	1003.4	973.0	944.2	914.4	891.0	866.2	855.1	840.2	831.3	825.9	816.5
25°	957.8	925.0	892.1	863.6	839.6	817.6	802.9	791.3	781.5	777.1	771.1
27.5°	908.3	875.7	843.9	811.6	784.3	768.3	756.5	747.8	742.2	736.3	733.6
30°	876.8	842.8	808.9	778.7	753.5	737.7	726.7	720.7	716.3	713.6	710.8
32.5°	844.8	811.3	775.5	748.1	725.5	711.4	703.1	697.0	694.8	693.9	692.8
35°	793.5	759.5	726.7	702.1	680.7	675.3	668.1	664.8	663.8	667.6	669.2
37.5°	743.9	712.4	682.1	658.2	644.3	636.3	633.8	634.0	637.9	641.3	645.2
40°	711.9	681.3	652.8	632.0	618.9	613.9	612.8	615.5	620.0	623.8	628.1
42.5°	680.8	650.6	624.7	605.2	596.0	591.5	592.2	594.9	601.1	605.8	612.4
45°	632.6	607.4	582.2	566.3	558.6	559.7	559.7	564.6	570.6	577.7	584.9
47.5°	587.1	561.7	541.0	527.6	523.6	522.7	525.8	532.2	540.8	549.6	559.6
50°	556.4	532.3	514.2	502.2	497.8	499.5	503.8	509.8	520.2	531.2	541.6
52.5°	525.3	503.4	486.6	475.5	472.4	475.4	479.7	489.3	498.4	510.2	522.8
55°	477.0	458.4	445.2	437.0	435.9	437.6	442.5	452.9	466.0	480.9	492.9
57.5°	428.9	413.4	401.3	395.6	396.2	397.7	405.8	418.2	432.2	448.0	463.5
60°	396.5	382.2	372.4	368.0	368.5	371.9	381.7	393.2	410.7	426.0	442.5
62.5°	365.8	353.3	343.9	340.0	339.2	346.4	355.8	367.8	385.3	402.4	420.2
65°	316.6	306.7	299.0	296.8	298.5	304.0	316.0	331.8	346.7	364.7	383.3
67.5°	268.3	260.2	255.0	256.0	257.9	266.0	276.2	289.8	306.6	325.3	343.7
70°	237.7	230.0	225.6	226.2	229.5	239.3	248.1	261.7	279.9	299.0	314.3
72.5°	206.1	201.1	197.2	199.5	202.7	209.5	220.5	234.2	250.1	267.9	284.1
75°	158.3	158.3	156.1	157.7	162.6	169.2	177.4	191.7	207.6	221.8	235.0
77.5°	117.4	116.2	117.6	119.6	122.5	130.2	139.7	149.8	161.8	176.0	186.9
80°	89.8	90.4	93.1	96.4	97.5	103.5	113.4	122.7	132.0	144.0	154.4
82.5°	67.5	68.0	69.5	73.6	74.7	81.2	87.5	96.8	105.3	113.4	122.0
85°	36.7	36.7	39.5	41.0	43.8	48.2	52.0	57.5	65.2	70.7	78.8
87.5°	14.7	14.8	16.7	17.7	19.1	21.4	22.3	27.3	29.1	31.3	35.3
90°	3.6	4.2	4.7	5.1	5.6	6.2	6.5	6.9	7.3	7.7	7.9
92.5°	3.6	4.0	4.4	4.9	5.5	5.9	6.3	6.7	7.1	7.4	7.6
95°	7.0	5.9	5.9	6.0	6.1	6.2	6.5	6.9	7.3	7.7	7.8
97.5°	37.9	35.2	28.2	21.3	14.3	7.4	7.4	7.4	7.5	7.5	7.6
100°	50.4	46.7	38.1	29.5	20.9	12.4	11.2	10.2	9.1	8.1	7.6
102.5°	64.0	63.8	62.7	61.6	60.4	59.3	47.9	36.5	25.1	13.7	8.0
105°	85.8	86.1	86.4	86.7	87.1	87.4	87.9	88.5	89.0	89.6	88.7
107.5°	106.9	107.2	107.7	108.1	108.4	108.9	109.2	109.5	109.7	110.0	110.3
110°	121.7	122.0	122.3	122.7	123.1	123.5	123.6	123.7	123.8	124.0	124.1



TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	136.7	136.9	137.0	137.2	137.4	137.6	137.5	137.5	137.5	137.4	137.6
115°	158.1	158.1	158.1	158.0	158.0	157.9	158.0	158.1	158.3	158.4	158.4
117.5°	178.2	178.4	178.6	178.7	178.8	179.0	179.0	178.9	178.9	178.9	178.8
120°	191.6	191.7	191.7	191.6	191.5	191.5	191.6	191.7	191.9	192.0	192.0
122.5°	203.8	203.9	204.0	204.1	204.1	204.3	204.3	204.4	204.5	204.5	204.5
125°	222.2	222.2	222.1	222.0	221.9	221.7	221.9	222.1	222.3	222.4	222.6
127.5°	238.4	238.6	238.9	239.2	239.5	239.8	239.7	239.7	239.6	239.6	239.6
130°	249.5	249.5	249.7	249.9	250.1	250.3	250.3	250.4	250.5	250.6	250.6
132.5°	259.7	259.8	260.1	260.3	260.5	260.8	260.9	260.9	261.0	261.1	261.1
135°	274.1	274.2	274.5	274.7	275.0	275.2	275.4	275.4	275.6	275.7	275.8
137.5°	287.9	288.0	288.3	288.5	288.8	289.1	289.2	289.4	289.5	289.6	289.7
140°	297.0	297.1	297.2	297.4	297.5	297.6	297.8	297.9	298.2	298.3	298.5
142.5°	305.2	305.4	305.5	305.5	305.6	305.7	305.8	305.9	306.1	306.2	306.3
145°	317.1	317.2	317.2	317.2	317.2	317.2	317.3	317.3	317.4	317.4	317.5
147.5°	327.3	327.5	327.4	327.3	327.3	327.3	327.3	327.3	327.4	327.4	327.5
150°	333.9	334.0	333.9	333.8	333.7	333.7	333.7	333.7	333.7	333.7	333.7
152.5°	339.5	339.5	339.5	339.3	339.2	339.1	339.2	339.3	339.4	339.5	339.5
155°	347.1	347.1	346.9	346.7	346.5	346.3	346.6	346.8	347.1	347.3	347.4
157.5°	353.6	353.5	353.3	353.1	352.8	352.7	353.0	353.3	353.6	353.9	353.9
160°	357.0	357.0	356.9	356.8	356.7	356.6	357.0	357.4	357.8	358.1	358.1
162.5°	360.4	360.3	360.2	360.1	360.1	360.0	360.4	360.8	361.2	361.6	361.5
165°	364.6	364.5	364.5	364.5	364.5	364.5	365.0	365.5	366.0	366.5	366.5
167.5°	368.2	368.0	368.0	368.0	367.9	367.9	368.4	369.0	369.6	370.0	370.0
170°	370.0	369.9	369.9	370.0	370.0	370.1	370.6	371.1	371.6	372.1	372.0
172.5°	371.4	371.2	371.3	371.4	371.4	371.5	371.9	372.5	373.0	373.4	373.4
175°	372.8	372.6	372.7	372.8	372.9	372.9	373.5	374.1	374.6	375.2	375.1
177.5°	373.6	373.4	373.6	373.7	373.8	373.8	374.3	374.7	375.1	375.5	375.3
180°	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3



TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0
2.5°	1259.8	1258.9	1255.8	1255.5	1255.8	1258.9	1259.8	1260.7	1261.9	1266.4	1261.1
5°	1163.7	1161.0	1159.4	1165.4	1159.4	1161.0	1163.7	1167.0	1172.5	1173.1	1178.5
7.5°	1091.3	1089.2	1084.3	1082.8	1084.3	1089.2	1091.3	1093.3	1098.8	1103.5	1111.6
10°	1044.9	1042.7	1038.3	1037.2	1038.3	1042.7	1044.9	1050.4	1055.8	1061.8	1067.4
12.5°	1000.2	995.9	995.0	996.0	995.0	995.9	1000.2	1007.4	1021.7	1021.6	1022.6
15°	940.9	938.7	932.6	934.3	932.6	938.7	940.9	948.0	954.5	962.7	971.0
17.5°	882.3	879.7	872.4	878.8	872.4	879.7	882.3	886.2	894.6	906.3	918.6
20°	845.6	841.1	837.3	836.8	837.3	841.1	845.6	849.4	858.7	868.5	877.9
22.5°	810.5	806.6	806.2	802.6	806.2	806.6	810.5	816.5	825.9	831.3	840.2
25°	766.7	762.9	761.8	759.1	761.8	762.9	766.7	771.1	777.1	781.5	791.3
27.5°	733.1	731.2	729.2	730.1	729.2	731.2	733.1	733.6	736.3	742.2	747.8
30°	712.5	711.9	710.8	710.8	710.8	711.9	712.5	710.8	713.6	716.3	720.7
32.5°	695.4	695.3	695.9	695.9	695.9	695.3	695.4	692.8	693.9	694.8	697.0
35°	671.4	673.0	674.1	672.5	674.1	673.0	671.4	669.2	667.6	663.8	664.8
37.5°	649.7	651.3	652.9	654.7	652.9	651.3	649.7	645.2	641.3	637.9	634.0
40°	633.0	636.9	638.0	640.7	638.0	636.9	633.0	628.1	623.8	620.0	615.5
42.5°	617.3	621.5	624.4	625.0	624.4	621.5	617.3	612.4	605.8	601.1	594.9
45°	593.1	597.5	601.3	601.3	601.3	597.5	593.1	584.9	577.7	570.6	564.6
47.5°	568.0	574.3	578.2	579.2	578.2	574.3	568.0	559.6	549.6	540.8	532.2
50°	551.0	558.6	562.4	565.1	562.4	558.6	551.0	541.6	531.2	520.2	509.8
52.5°	534.2	541.9	547.1	548.5	547.1	541.9	534.2	522.8	510.2	498.4	489.3
55°	505.5	516.4	522.4	524.7	522.4	516.4	505.5	492.9	480.9	466.0	452.9
57.5°	478.3	488.4	495.4	497.0	495.4	488.4	478.3	463.5	448.0	432.2	418.2
60°	457.2	468.3	477.0	478.6	477.0	468.3	457.2	442.5	426.0	410.7	393.2
62.5°	435.8	447.2	455.1	459.4	455.1	447.2	435.8	420.2	402.4	385.3	367.8
65°	398.7	410.2	417.9	419.5	417.9	410.2	398.7	383.3	364.7	346.7	331.8
67.5°	358.1	369.6	374.7	377.9	374.7	369.6	358.1	343.7	325.3	306.6	289.8
70°	329.7	339.0	344.4	347.2	344.4	339.0	329.7	314.3	299.0	279.9	261.7
72.5°	297.2	307.0	313.4	313.9	313.4	307.0	297.2	284.1	267.9	250.1	234.2
75°	247.6	256.3	259.6	259.6	259.6	256.3	247.6	235.0	221.8	207.6	191.7
77.5°	195.9	200.4	204.6	205.5	204.6	200.4	195.9	186.9	176.0	161.8	149.8
80°	162.6	165.4	168.7	168.7	168.7	165.4	162.6	154.4	144.0	132.0	122.7
82.5°	128.5	130.8	134.0	133.6	134.0	130.8	128.5	122.0	113.4	105.3	96.8
85°	77.8	82.7	82.1	81.0	82.1	82.7	77.8	78.8	70.7	65.2	57.5
87.5°	36.7	37.2	38.4	39.4	38.4	37.2	36.7	35.3	31.3	29.1	27.3
90°	8.0	8.2	8.2	8.4	8.2	8.2	8.0	7.9	7.7	7.3	6.9
92.5°	7.7	7.7	7.7	7.8	7.7	7.7	7.7	7.6	7.4	7.1	6.7
95°	7.9	8.0	8.1	8.1	8.1	8.0	7.9	7.8	7.7	7.3	6.9
97.5°	7.7	7.7	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.5	7.4
100°	7.7	7.7	7.8	7.8	7.8	7.7	7.7	7.6	8.1	9.1	10.2
102.5°	8.0	8.0	8.1	8.1	8.1	8.0	8.0	8.0	13.7	25.1	36.5
105°	86.5	84.3	82.0	79.8	82.0	84.3	86.5	88.7	89.6	89.0	88.5
107.5°	110.5	110.7	111.0	111.2	111.0	110.7	110.5	110.3	110.0	109.7	109.5
110°	124.3	124.5	124.7	124.8	124.7	124.5	124.3	124.1	124.0	123.8	123.7



TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	137.8	138.1	138.3	138.6	138.3	138.1	137.8	137.6	137.4	137.5	137.5
115°	158.4	158.4	158.4	158.4	158.4	158.4	158.4	158.4	158.4	158.3	158.1
117.5°	178.8	178.8	178.8	178.7	178.8	178.8	178.8	178.8	178.9	178.9	178.9
120°	191.9	191.7	191.6	191.5	191.6	191.7	191.9	192.0	192.0	191.9	191.7
122.5°	204.4	204.3	204.1	204.1	204.1	204.3	204.4	204.5	204.5	204.5	204.4
125°	222.7	222.8	222.8	222.8	222.8	222.8	222.7	222.6	222.4	222.3	222.1
127.5°	239.6	239.5	239.4	239.4	239.4	239.5	239.6	239.6	239.6	239.6	239.7
130°	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.5	250.4
132.5°	261.0	260.9	260.9	260.9	260.9	260.9	261.0	261.1	261.1	261.0	260.9
135°	275.9	276.1	276.2	276.3	276.2	276.1	275.9	275.8	275.7	275.6	275.4
137.5°	289.6	289.6	289.5	289.5	289.5	289.6	289.6	289.7	289.6	289.5	289.4
140°	298.6	298.6	298.7	298.7	298.7	298.6	298.6	298.5	298.3	298.2	297.9
142.5°	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.2	306.1	305.9
145°	317.7	317.8	317.9	318.1	317.9	317.8	317.7	317.5	317.4	317.4	317.3
147.5°	327.6	327.6	327.6	327.7	327.6	327.6	327.6	327.5	327.4	327.4	327.3
150°	333.8	333.9	333.9	334.0	333.9	333.9	333.8	333.7	333.7	333.7	333.7
152.5°	339.5	339.5	339.5	339.4	339.5	339.5	339.5	339.5	339.5	339.4	339.3
155°	347.1	347.0	346.8	346.6	346.8	347.0	347.1	347.4	347.3	347.1	346.8
157.5°	353.6	353.3	353.0	352.7	353.0	353.3	353.6	353.9	353.9	353.6	353.3
160°	357.8	357.4	357.0	356.6	357.0	357.4	357.8	358.1	358.1	357.8	357.4
162.5°	361.1	360.7	360.2	359.8	360.2	360.7	361.1	361.5	361.6	361.2	360.8
165°	365.9	365.4	364.8	364.2	364.8	365.4	365.9	366.5	366.5	366.0	365.5
167.5°	369.4	368.8	368.1	367.6	368.1	368.8	369.4	370.0	370.0	369.6	369.0
170°	371.5	370.8	370.2	369.6	370.2	370.8	371.5	372.0	372.1	371.6	371.1
172.5°	372.7	372.0	371.4	370.7	371.4	372.0	372.7	373.4	373.4	373.0	372.5
175°	374.3	373.6	372.8	372.1	372.8	373.6	374.3	375.1	375.2	374.6	374.1
177.5°	374.8	374.1	373.6	373.0	373.6	374.1	374.8	375.3	375.5	375.1	374.7
180°	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3



TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0
2.5°	1263.8	1265.5	1272.5	1279.1	1287.0	1292.7	1296.6	1301.0	1310.2	1317.6	1324.6
5°	1184.0	1186.8	1200.9	1210.9	1227.8	1242.6	1254.1	1266.7	1281.5	1301.7	1320.3
7.5°	1113.8	1123.9	1139.6	1155.6	1172.8	1192.2	1209.1	1228.0	1253.5	1281.4	1310.0
10°	1074.0	1085.4	1101.8	1120.5	1136.9	1159.4	1180.2	1202.6	1231.6	1265.6	1299.6
12.5°	1034.0	1053.0	1065.5	1087.6	1105.3	1123.9	1146.0	1175.4	1209.3	1245.0	1285.9
15°	984.1	994.5	1018.6	1030.6	1055.8	1084.3	1106.2	1135.8	1168.6	1215.8	1261.8
17.5°	926.5	940.2	959.3	982.4	1011.3	1033.5	1060.8	1091.2	1132.7	1179.4	1237.0
20°	888.8	900.3	923.8	949.0	979.7	1003.3	1032.3	1061.8	1104.6	1154.4	1214.7
22.5°	855.1	866.2	891.0	914.4	944.2	973.0	1003.4	1037.8	1078.7	1131.2	1192.8
25°	802.9	817.6	839.6	863.6	892.1	925.0	957.8	988.5	1032.3	1087.6	1153.3
27.5°	756.5	768.3	784.3	811.6	843.9	875.7	908.3	946.9	989.0	1047.4	1115.6
30°	726.7	737.7	753.5	778.7	808.9	842.8	876.8	914.0	957.8	1015.9	1085.4
32.5°	703.1	711.4	725.5	748.1	775.5	811.3	844.8	883.4	929.3	986.5	1054.3
35°	668.1	675.3	680.7	702.1	726.7	759.5	793.5	834.6	878.9	933.2	1001.1
37.5°	633.8	636.3	644.3	658.2	682.1	712.4	743.9	784.3	829.8	884.9	946.1
40°	612.8	613.9	618.9	632.0	652.8	681.3	711.9	751.9	795.2	847.2	908.0
42.5°	592.2	591.5	596.0	605.2	624.7	650.6	680.8	717.3	760.6	808.7	865.9
45°	559.7	559.7	558.6	566.3	582.2	607.4	632.6	667.6	703.7	750.8	799.0
47.5°	525.8	522.7	523.6	527.6	541.0	561.7	587.1	615.8	647.6	687.5	729.8
50°	503.8	499.5	497.8	502.2	514.2	532.3	556.4	581.6	611.7	646.7	682.9
52.5°	479.7	475.4	472.4	475.5	486.6	503.4	525.3	547.4	574.5	602.9	634.3
55°	442.5	437.6	435.9	437.0	445.2	458.4	477.0	497.3	517.5	541.1	563.0
57.5°	405.8	397.7	396.2	395.6	401.3	413.4	428.9	446.5	461.2	475.5	498.8
60°	381.7	371.9	368.5	368.0	372.4	382.2	396.5	414.0	424.5	434.3	454.6
62.5°	355.8	346.4	339.2	340.0	343.9	353.3	365.8	378.5	385.4	396.2	409.9
65°	316.0	304.0	298.5	296.8	299.0	306.7	316.6	324.7	332.4	336.8	349.9
67.5°	276.2	266.0	257.9	256.0	255.0	260.2	268.3	273.3	278.8	282.6	290.3
70°	248.1	239.3	229.5	226.2	225.6	230.0	237.7	238.2	245.9	247.6	255.7
72.5°	220.5	209.5	202.7	199.5	197.2	201.1	206.1	207.6	211.8	214.7	219.0
75°	177.4	169.2	162.6	157.7	156.1	158.3	158.3	161.0	163.7	165.4	170.3
77.5°	139.7	130.2	122.5	119.6	117.6	116.2	117.4	119.1	117.7	120.6	121.7
80°	113.4	103.5	97.5	96.4	93.1	90.4	89.8	91.4	89.3	90.4	93.6
82.5°	87.5	81.2	74.7	73.6	69.5	68.0	67.5	66.5	66.5	66.2	66.9
85°	52.0	48.2	43.8	41.0	39.5	36.7	36.7	35.6	34.5	33.4	34.0
87.5°	22.3	21.4	19.1	17.7	16.7	14.8	14.7	13.3	12.7	12.1	11.6
90°	6.5	6.2	5.6	5.1	4.7	4.2	3.6	2.9	2.2	1.5	0.9
92.5°	6.3	5.9	5.5	4.9	4.4	4.0	3.6	3.6	3.6	3.6	3.6
95°	6.5	6.2	6.1	6.0	5.9	5.9	7.0	9.0	11.2	13.3	15.4
97.5°	7.4	7.4	14.3	21.3	28.2	35.2	37.9	36.7	35.3	34.0	32.7
100°	11.2	12.4	20.9	29.5	38.1	46.7	50.4	49.3	48.2	47.1	45.9
102.5°	47.9	59.3	60.4	61.6	62.7	63.8	64.0	63.1	62.3	61.6	60.7
105°	87.9	87.4	87.1	86.7	86.4	86.1	85.8	85.4	85.0	84.6	84.3
107.5°	109.2	108.9	108.4	108.1	107.7	107.2	106.9	106.7	106.5	106.3	106.2
110°	123.6	123.5	123.1	122.7	122.3	122.0	121.7	121.5	121.3	121.1	121.0



TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	137.5	137.6	137.4	137.2	137.0	136.9	136.7	136.3	135.9	135.6	135.3
115°	158.0	157.9	158.0	158.0	158.1	158.1	158.1	157.9	157.7	157.6	157.3
117.5°	179.0	179.0	178.8	178.7	178.6	178.4	178.2	178.0	177.7	177.4	177.2
120°	191.6	191.5	191.5	191.6	191.7	191.7	191.6	191.4	191.2	190.9	190.7
122.5°	204.3	204.3	204.1	204.1	204.0	203.9	203.8	203.7	203.5	203.4	203.2
125°	221.9	221.7	221.9	222.0	222.1	222.2	222.2	221.9	221.7	221.4	221.2
127.5°	239.7	239.8	239.5	239.2	238.9	238.6	238.4	238.4	238.3	238.3	238.2
130°	250.3	250.3	250.1	249.9	249.7	249.5	249.5	249.4	249.3	249.2	249.1
132.5°	260.9	260.8	260.5	260.3	260.1	259.8	259.7	259.6	259.4	259.4	259.3
135°	275.4	275.2	275.0	274.7	274.5	274.2	274.1	274.2	274.3	274.3	274.3
137.5°	289.2	289.1	288.8	288.5	288.3	288.0	287.9	287.8	287.8	287.8	287.7
140°	297.8	297.6	297.5	297.4	297.2	297.1	297.0	296.8	296.8	296.6	296.5
142.5°	305.8	305.7	305.6	305.5	305.5	305.4	305.2	305.0	304.8	304.5	304.4
145°	317.3	317.2	317.2	317.2	317.2	317.2	317.1	317.0	316.7	316.6	316.4
147.5°	327.3	327.3	327.3	327.3	327.4	327.5	327.3	327.0	326.6	326.3	325.9
150°	333.7	333.7	333.7	333.8	333.9	334.0	333.9	333.7	333.4	333.1	332.9
152.5°	339.2	339.1	339.2	339.3	339.5	339.5	339.5	339.3	339.1	338.9	338.7
155°	346.6	346.3	346.5	346.7	346.9	347.1	347.1	347.1	347.0	347.0	346.9
157.5°	353.0	352.7	352.8	353.1	353.3	353.5	353.6	353.6	353.7	353.7	353.8
160°	357.0	356.6	356.7	356.8	356.9	357.0	357.0	357.3	357.4	357.6	357.8
162.5°	360.4	360.0	360.1	360.1	360.2	360.3	360.4	360.7	360.9	361.2	361.4
165°	365.0	364.5	364.5	364.5	364.5	364.5	364.6	365.0	365.3	365.6	365.9
167.5°	368.4	367.9	367.9	368.0	368.0	368.0	368.2	368.5	368.8	369.2	369.5
170°	370.6	370.1	370.0	370.0	369.9	369.9	370.0	370.4	370.7	371.1	371.5
172.5°	371.9	371.5	371.4	371.4	371.3	371.2	371.4	371.8	372.1	372.5	372.9
175°	373.5	372.9	372.9	372.8	372.7	372.6	372.8	373.2	373.6	373.9	374.3
177.5°	374.3	373.8	373.8	373.7	373.6	373.4	373.6	373.9	374.3	374.6	375.0
180°	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3



TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0
2.5°	1330.8	1335.1	1340.8	1350.5	1354.0	1358.4	1364.5	1364.1	1365.8	1372.4	1386.4
5°	1335.7	1352.7	1369.1	1388.9	1409.6	1423.3	1441.9	1453.4	1464.9	1479.7	1504.9
7.5°	1337.7	1364.6	1394.7	1429.3	1460.2	1495.6	1523.3	1549.4	1573.0	1604.2	1634.2
10°	1334.6	1370.7	1409.6	1453.4	1500.0	1539.4	1575.0	1615.6	1650.0	1687.8	1721.8
12.5°	1328.9	1372.5	1424.5	1473.6	1528.0	1586.3	1630.6	1671.6	1717.5	1761.0	1813.4
15°	1316.0	1375.7	1436.5	1501.1	1573.9	1641.2	1705.3	1758.5	1807.8	1873.0	1941.4
17.5°	1299.6	1364.0	1440.6	1518.9	1595.0	1672.0	1751.3	1831.1	1893.3	1974.3	2027.8
20°	1284.2	1358.7	1437.6	1530.7	1606.8	1702.6	1781.5	1858.7	1944.1	2024.7	2088.7
22.5°	1262.7	1344.3	1427.9	1520.6	1620.8	1716.7	1807.8	1891.6	1977.0	2064.5	2142.1
25°	1235.5	1309.4	1408.5	1513.7	1613.4	1717.4	1822.0	1927.1	2019.1	2111.7	2184.0
27.5°	1189.1	1282.4	1374.7	1483.2	1593.9	1711.7	1823.5	1933.6	2030.0	2106.1	2150.9
30°	1165.4	1246.4	1346.6	1455.6	1575.6	1702.1	1818.7	1926.6	2016.4	2077.2	2095.2
32.5°	1130.4	1214.0	1312.0	1425.0	1551.9	1681.9	1803.4	1905.1	1980.1	2011.9	1990.1
35°	1078.3	1153.9	1253.0	1368.6	1500.6	1639.1	1759.0	1845.0	1883.3	1853.2	1778.2
37.5°	1015.9	1090.8	1190.3	1303.9	1440.4	1581.3	1689.7	1751.6	1738.8	1664.0	1552.1
40°	972.1	1042.2	1136.9	1259.6	1392.7	1533.9	1629.2	1662.6	1627.6	1520.3	1401.4
42.5°	923.4	991.8	1087.0	1205.2	1346.2	1476.5	1559.6	1562.3	1503.6	1375.2	1255.9
45°	849.4	914.6	1004.4	1127.6	1257.9	1380.6	1435.4	1408.5	1300.1	1176.3	1056.4
47.5°	776.3	832.8	921.4	1038.3	1162.1	1265.4	1292.5	1244.2	1128.7	1008.5	897.4
50°	722.9	779.8	863.1	974.8	1094.2	1183.4	1196.6	1132.5	1019.1	898.1	811.0
52.5°	671.6	728.2	808.3	911.7	1021.0	1101.5	1101.9	1027.8	914.9	807.0	726.0
55°	596.4	647.3	719.6	812.1	909.7	972.6	957.3	880.6	782.6	689.0	618.3
57.5°	523.9	568.2	634.9	712.0	797.9	849.9	824.4	750.6	663.1	583.7	530.1
60°	477.0	519.2	576.2	649.0	721.3	761.8	737.7	670.8	590.3	526.2	479.7
62.5°	431.4	467.0	521.8	585.0	652.0	682.1	660.6	594.6	525.1	467.1	429.4
65°	366.9	395.9	439.7	494.0	542.7	568.5	550.4	489.0	435.9	394.3	364.2
67.5°	306.7	329.4	362.5	406.0	447.4	461.4	444.9	402.2	357.2	323.8	302.6
70°	265.1	286.5	314.3	347.8	383.9	398.7	382.2	348.3	311.6	280.9	260.2
72.5°	228.7	245.3	268.8	297.4	325.7	340.4	329.2	296.6	265.6	242.8	225.1
75°	174.1	188.4	204.8	225.1	247.0	256.8	247.0	224.5	203.2	186.2	173.6
77.5°	126.6	134.3	146.9	162.1	175.8	183.3	174.8	159.5	146.6	134.9	128.7
80°	96.4	101.9	110.6	122.7	132.0	139.1	133.6	121.0	110.6	103.0	100.2
82.5°	70.1	73.8	79.5	88.5	94.7	98.4	95.9	86.8	82.5	75.8	73.0
85°	34.5	36.7	40.6	43.3	48.7	49.3	49.8	46.0	42.1	40.6	38.3
87.5°	12.1	12.7	14.2	15.6	17.5	18.0	17.7	17.7	16.2	15.8	14.1
90°	1.5	2.2	2.9	3.6	4.2	4.7	5.1	5.6	6.2	6.5	6.9
92.5°	3.6	3.6	3.6	3.6	4.0	4.4	4.9	5.5	5.9	6.3	6.7
95°	13.3	11.2	9.0	7.0	5.9	5.9	6.0	6.1	6.2	6.5	6.9
97.5°	34.0	35.3	36.7	37.9	35.2	28.2	21.3	14.3	7.4	7.4	7.4
100°	47.1	48.2	49.3	50.4	46.7	38.1	29.5	20.9	12.4	11.2	10.2
102.5°	61.6	62.3	63.1	64.0	63.8	62.7	61.6	60.4	59.3	47.9	36.5
105°	84.6	85.0	85.4	85.8	86.1	86.4	86.7	87.1	87.4	87.9	88.5
107.5°	106.3	106.5	106.7	106.9	107.2	107.7	108.1	108.4	108.9	109.2	109.5
110°	121.1	121.3	121.5	121.7	122.0	122.3	122.7	123.1	123.5	123.6	123.7





TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	135.6	135.9	136.3	136.7	136.9	137.0	137.2	137.4	137.6	137.5	137.5
115°	157.6	157.7	157.9	158.1	158.1	158.1	158.0	158.0	157.9	158.0	158.1
117.5°	177.4	177.7	178.0	178.2	178.4	178.6	178.7	178.8	179.0	179.0	178.9
120°	190.9	191.2	191.4	191.6	191.7	191.7	191.6	191.5	191.5	191.6	191.7
122.5°	203.4	203.5	203.7	203.8	203.9	204.0	204.1	204.1	204.3	204.3	204.4
125°	221.4	221.7	221.9	222.2	222.2	222.1	222.0	221.9	221.7	221.9	222.1
127.5°	238.3	238.3	238.4	238.4	238.6	238.9	239.2	239.5	239.8	239.7	239.7
130°	249.2	249.3	249.4	249.5	249.5	249.7	249.9	250.1	250.3	250.3	250.4
132.5°	259.4	259.4	259.6	259.7	259.8	260.1	260.3	260.5	260.8	260.9	260.9
135°	274.3	274.3	274.2	274.1	274.2	274.5	274.7	275.0	275.2	275.4	275.4
137.5°	287.8	287.8	287.8	287.9	288.0	288.3	288.5	288.8	289.1	289.2	289.4
140°	296.6	296.8	296.8	297.0	297.1	297.2	297.4	297.5	297.6	297.8	297.9
142.5°	304.5	304.8	305.0	305.2	305.4	305.5	305.5	305.6	305.7	305.8	305.9
145°	316.6	316.7	317.0	317.1	317.2	317.2	317.2	317.2	317.2	317.3	317.3
147.5°	326.3	326.6	327.0	327.3	327.5	327.4	327.3	327.3	327.3	327.3	327.3
150°	333.1	333.4	333.7	333.9	334.0	333.9	333.8	333.7	333.7	333.7	333.7
152.5°	338.9	339.1	339.3	339.5	339.5	339.5	339.3	339.2	339.1	339.2	339.3
155°	347.0	347.0	347.1	347.1	347.1	346.9	346.7	346.5	346.3	346.6	346.8
157.5°	353.7	353.7	353.6	353.6	353.5	353.3	353.1	352.8	352.7	353.0	353.3
160°	357.6	357.4	357.3	357.0	357.0	356.9	356.8	356.7	356.6	357.0	357.4
162.5°	361.2	360.9	360.7	360.4	360.3	360.2	360.1	360.1	360.0	360.4	360.8
165°	365.6	365.3	365.0	364.6	364.5	364.5	364.5	364.5	364.5	365.0	365.5
167.5°	369.2	368.8	368.5	368.2	368.0	368.0	368.0	367.9	367.9	368.4	369.0
170°	371.1	370.7	370.4	370.0	369.9	369.9	370.0	370.0	370.1	370.6	371.1
172.5°	372.5	372.1	371.8	371.4	371.2	371.3	371.4	371.4	371.5	371.9	372.5
175°	373.9	373.6	373.2	372.8	372.6	372.7	372.8	372.9	372.9	373.5	374.1
177.5°	374.6	374.3	373.9	373.6	373.4	373.6	373.7	373.8	373.8	374.3	374.7
180°	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3



TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0
2.5°	1393.4	1394.3	1398.2	1401.3	1402.2	1406.6	1407.0
5°	1515.8	1525.2	1543.3	1544.9	1547.6	1561.9	1550.9
7.5°	1659.4	1683.0	1698.8	1712.7	1717.8	1723.9	1722.7
10°	1751.4	1786.4	1804.0	1831.8	1833.0	1840.1	1835.7
12.5°	1843.8	1884.5	1916.5	1921.7	1945.1	1948.7	1954.9
15°	1974.8	2018.1	2062.4	2078.3	2110.6	2118.3	2130.3
17.5°	2097.9	2142.1	2173.3	2214.3	2227.6	2245.4	2233.2
20°	2165.4	2213.6	2253.0	2285.3	2299.0	2308.8	2307.8
22.5°	2206.1	2254.7	2286.7	2311.1	2323.9	2328.1	2327.9
25°	2231.7	2259.5	2269.4	2278.7	2264.5	2259.5	2261.8
27.5°	2160.7	2153.5	2127.7	2094.0	2058.9	2031.1	2015.9
30°	2063.0	2020.2	1981.3	1913.4	1878.4	1857.6	1839.0
32.5°	1924.5	1856.8	1782.0	1719.8	1680.0	1649.1	1644.5
35°	1687.3	1585.4	1494.0	1417.8	1378.4	1345.0	1337.4
37.5°	1434.5	1328.6	1246.3	1179.3	1136.9	1113.3	1091.3
40°	1266.7	1175.8	1094.7	1037.8	1005.4	988.5	974.8
42.5°	1137.4	1054.4	973.8	930.4	901.2	890.8	882.8
45°	958.9	881.7	825.9	793.0	776.0	758.5	750.3
47.5°	815.9	753.1	716.3	688.4	670.2	659.8	654.5
50°	734.9	683.4	650.6	629.2	612.8	604.6	600.2
52.5°	663.1	620.8	593.2	576.2	565.1	559.0	557.3
55°	571.2	538.8	521.3	506.6	498.4	492.9	490.7
57.5°	496.5	471.7	457.4	445.2	442.0	437.4	435.9
60°	447.4	428.3	416.2	408.0	405.3	399.8	400.8
62.5°	404.0	388.4	378.1	373.4	369.8	365.2	366.7
65°	341.7	330.3	324.7	320.4	316.0	313.2	315.4
67.5°	286.8	278.8	271.4	268.9	266.7	266.3	264.0
70°	250.8	244.2	237.7	236.1	236.1	233.9	233.3
72.5°	216.2	211.4	207.0	205.8	204.1	204.9	202.6
75°	167.0	163.2	161.5	159.9	159.4	159.4	157.7
77.5°	123.4	120.6	118.0	118.0	116.0	115.3	115.0
80°	93.6	92.5	90.4	90.4	89.3	89.8	88.7
82.5°	70.4	68.9	68.4	67.6	66.1	66.1	65.0
85°	37.8	36.1	35.6	34.0	32.9	34.0	32.9
87.5°	14.6	14.3	13.9	13.0	12.6	12.6	11.3
90°	7.3	7.7	7.9	8.0	8.2	8.2	8.4
92.5°	7.1	7.4	7.6	7.7	7.7	7.7	7.8
95°	7.3	7.7	7.8	7.9	8.0	8.1	8.1
97.5°	7.5	7.5	7.6	7.7	7.7	7.8	7.8
100°	9.1	8.1	7.6	7.7	7.7	7.8	7.8
102.5°	25.1	13.7	8.0	8.0	8.0	8.1	8.1
105°	89.0	89.6	88.7	86.5	84.3	82.0	79.8
107.5°	109.7	110.0	110.3	110.5	110.7	111.0	111.2
110°	123.8	124.0	124.1	124.3	124.5	124.7	124.8



TEST NUMBER: P332625-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	137.5	137.4	137.6	137.8	138.1	138.3	138.6
115°	158.3	158.4	158.4	158.4	158.4	158.4	158.4
117.5°	178.9	178.9	178.8	178.8	178.8	178.8	178.7
120°	191.9	192.0	192.0	191.9	191.7	191.6	191.5
122.5°	204.5	204.5	204.5	204.4	204.3	204.1	204.1
125°	222.3	222.4	222.6	222.7	222.8	222.8	222.8
127.5°	239.6	239.6	239.6	239.6	239.5	239.4	239.4
130°	250.5	250.6	250.6	250.6	250.6	250.6	250.6
132.5°	261.0	261.1	261.1	261.0	260.9	260.9	260.9
135°	275.6	275.7	275.8	275.9	276.1	276.2	276.3
137.5°	289.5	289.6	289.7	289.6	289.6	289.5	289.5
140°	298.2	298.3	298.5	298.6	298.6	298.7	298.7
142.5°	306.1	306.2	306.3	306.3	306.3	306.3	306.3
145°	317.4	317.4	317.5	317.7	317.8	317.9	318.1
147.5°	327.4	327.4	327.5	327.6	327.6	327.6	327.7
150°	333.7	333.7	333.7	333.8	333.9	333.9	334.0
152.5°	339.4	339.5	339.5	339.5	339.5	339.5	339.4
155°	347.1	347.3	347.4	347.1	347.0	346.8	346.6
157.5°	353.6	353.9	353.9	353.6	353.3	353.0	352.7
160°	357.8	358.1	358.1	357.8	357.4	357.0	356.6
162.5°	361.2	361.6	361.5	361.1	360.7	360.2	359.8
165°	366.0	366.5	366.5	365.9	365.4	364.8	364.2
167.5°	369.6	370.0	370.0	369.4	368.8	368.1	367.6
170°	371.6	372.1	372.0	371.5	370.8	370.2	369.6
172.5°	373.0	373.4	373.4	372.7	372.0	371.4	370.7
175°	374.6	375.2	375.1	374.3	373.6	372.8	372.1
177.5°	375.1	375.5	375.3	374.8	374.1	373.6	373.0
180°	374.3	374.3	374.3	374.3	374.3	374.3	374.3

(END OF REPORT)