

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: P333709-930

Luminaire Tested: **S125RDIW-S1090D1050U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333709-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S1090D1050U930-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6437.5 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

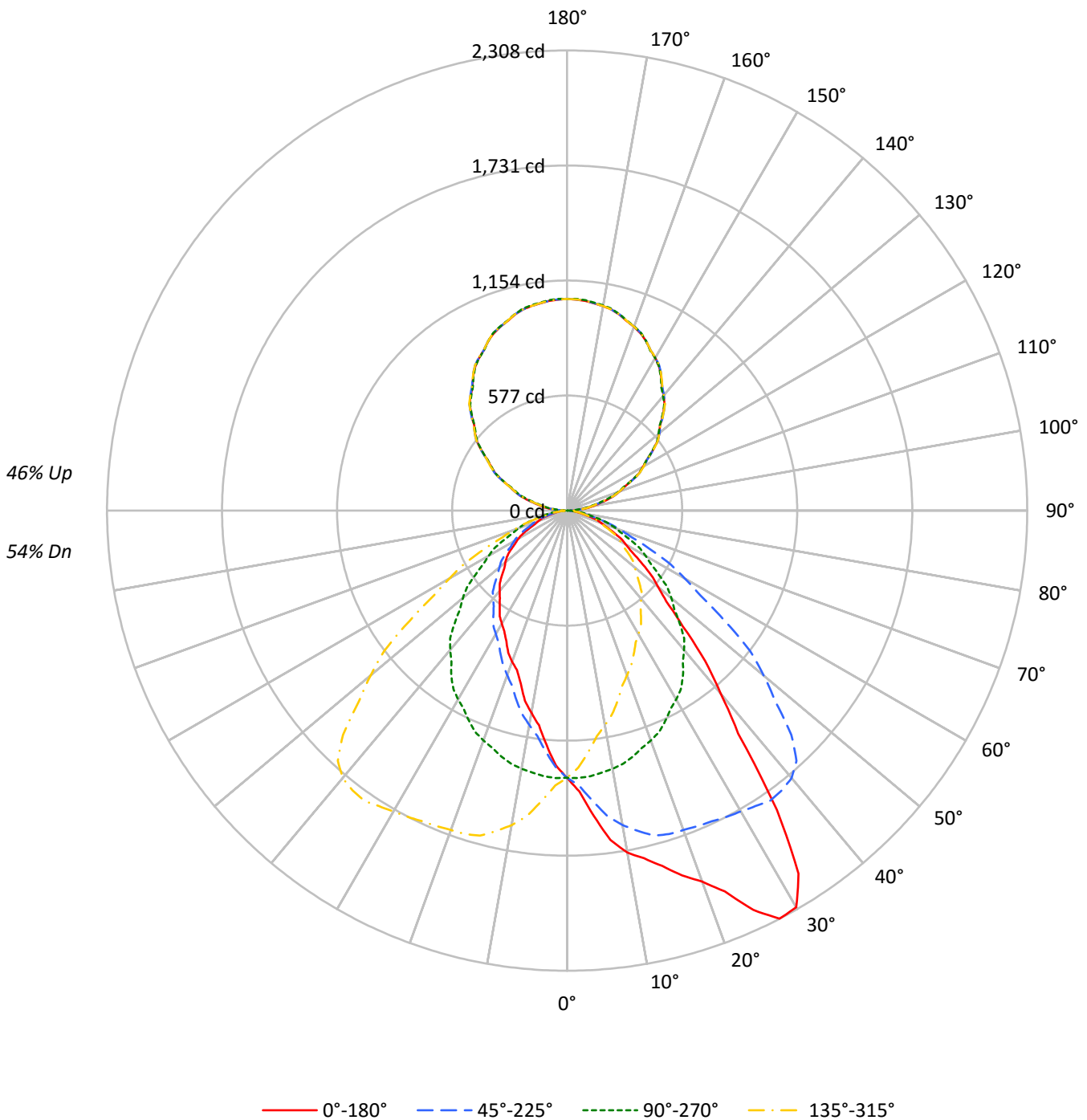
Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	52	51	46
2	91	83	77	72	84	78	73	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	62	57	59	55	51	51	47	44	43	40	38	34
4	76	65	58	52	70	61	54	49	53	48	43	45	41	38	38	35	33	29
5	70	58	50	45	65	55	48	42	48	42	38	41	37	33	35	31	29	26
6	64	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	26	23
7	60	48	40	34	55	45	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	26	23	26	23	20	18
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8657	8657	8657	8657
5°	9961	8669	7656	8669
10°	11425	8625	6755	8625
15°	12341	8536	6005	8536
20°	13608	8434	5544	8434
25°	15748	8298	5144	8298
30°	17137	8154	4883	8154
35°	14456	7987	4642	7987
40°	10095	7687	4435	7687
45°	7489	7283	4232	7283
50°	5971	6861	4058	6861
55°	5068	6339	3904	6339
60°	4379	5871	3653	5871
65°	3903	5365	3145	5365
70°	3429	4913	2868	4913
75°	2967	4257	2692	4257
80°	2250	3582	2250	3582
85°	1875	2816	2119	2816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	2.0
10°-20°	376.7	5.9
20°-30°	597.3	9.3
30°-40°	720.3	11.2
40°-50°	643.2	10.0
50°-60°	493.3	7.7
60°-70°	320.6	5.0
70°-80°	155.9	2.4
80°-90°	39.5	0.6
90°-100°	71.1	1.1
100°-110°	210.0	3.3
110°-120°	355.6	5.5
120°-130°	468.0	7.3
130°-140°	524.4	8.1
140°-150°	514.0	8.0
150°-160°	431.7	6.7
160°-170°	287.0	4.5
170°-180°	100.4	1.6
0°-30°	1102.6	17.1
0°-40°	1822.8	28.3
0°-60°	2959.4	46.0
0°-90°	3475.3	54.0
90°-120°	636.7	9.9
90°-150°	2143.1	33.3
90°-180°	2962.0	46.0
0°-180°	6437.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1340	1340	1340	1340	1340	
5°	1536	1337	1181	1337	1536	154
15°	1846	1277	898	1277	1846	529
25°	2210	1164	722	1164	2210	1015
35°	1834	1013	589	1013	1834	1108
45°	820	797	463	797	820	654
55°	450	563	347	563	450	408
65°	255	351	206	351	255	254
75°	119	171	108	171	119	127
85°	25	38	29	38	25	30
90°	20	1	20	1	20	13
95°	71	54	71	54	71	72
105°	205	188	205	188	205	217
115°	359	356	359	356	359	355
125°	523	520	523	520	523	467
135°	678	676	678	676	678	523
145°	822	819	822	819	822	513
155°	937	937	937	937	937	431
165°	1016	1019	1016	1019	1016	286
175°	1055	1059	1055	1059	1055	100
180°	1062	1062	1062	1062	1062	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1410.1	1409.2	1411.0	1406.1	1406.6	1399.1	1399.1	1393.3	1385.8	1380.1	1377.4
5°	1536.4	1537.5	1535.3	1527.1	1521.5	1513.3	1503.9	1487.4	1473.7	1460.4	1450.0
7.5°	1666.5	1667.2	1659.9	1657.4	1643.6	1633.5	1612.7	1590.2	1570.3	1545.0	1525.6
10°	1742.2	1741.6	1733.9	1727.9	1715.8	1700.4	1680.0	1653.6	1628.8	1601.3	1574.9
12.5°	1786.2	1784.8	1782.3	1775.0	1763.7	1750.1	1732.8	1706.8	1676.3	1646.3	1615.4
15°	1845.7	1841.8	1834.7	1825.3	1809.3	1793.3	1774.1	1751.0	1721.8	1687.7	1659.1
17.5°	1919.1	1919.3	1908.3	1895.2	1873.6	1845.4	1815.7	1778.4	1738.8	1701.3	1670.8
20°	1979.9	1978.2	1967.2	1942.0	1917.2	1882.0	1847.9	1802.1	1753.7	1704.8	1666.8
22.5°	2067.1	2062.8	2051.3	2018.1	1979.7	1934.4	1882.2	1826.4	1767.8	1712.2	1662.4
25°	2210.0	2206.6	2184.0	2145.5	2091.7	2021.7	1953.5	1877.0	1792.8	1719.6	1659.1
27.5°	2307.6	2304.0	2287.3	2255.3	2205.5	2132.0	2039.6	1937.4	1832.3	1731.6	1644.4
30°	2298.0	2306.2	2304.0	2289.2	2251.8	2185.7	2100.5	1985.4	1860.5	1742.2	1638.2
32.5°	2159.7	2167.1	2186.5	2215.7	2217.9	2191.4	2127.7	2021.5	1892.2	1757.6	1633.4
35°	1833.5	1843.5	1880.9	1939.8	2016.8	2081.1	2094.3	2037.1	1921.0	1776.3	1626.1
37.5°	1409.6	1463.7	1495.3	1557.2	1673.6	1792.0	1905.9	1947.9	1898.4	1768.6	1614.3
40°	1197.4	1210.6	1266.7	1336.6	1434.6	1557.9	1720.2	1837.4	1841.3	1751.0	1595.8
42.5°	1024.8	1041.5	1080.1	1135.9	1219.8	1343.0	1510.7	1665.2	1736.9	1702.6	1571.6
45°	819.9	832.6	860.6	903.6	967.9	1069.8	1213.9	1392.8	1534.7	1590.3	1506.7
47.5°	673.5	680.4	704.8	737.5	785.1	859.3	970.9	1126.2	1296.5	1415.8	1404.1
50°	594.3	602.0	620.7	645.5	685.7	748.4	837.6	966.9	1142.4	1288.2	1317.4
52.5°	532.6	539.1	550.7	574.1	607.3	655.5	727.5	844.5	1002.4	1157.5	1224.9
55°	450.1	454.5	463.9	477.1	503.5	538.2	600.4	681.3	808.9	965.2	1064.2
57.5°	382.1	384.3	390.3	402.5	420.8	446.1	491.0	559.5	651.1	791.8	901.2
60°	339.0	341.2	348.9	357.1	371.5	394.5	429.7	477.6	565.7	681.8	792.4
62.5°	304.6	306.0	309.2	317.5	330.0	347.9	375.6	414.7	484.7	586.7	691.1
65°	255.4	255.8	257.0	263.6	271.3	284.5	302.6	330.2	383.0	460.1	552.4
67.5°	208.0	208.8	212.6	214.9	223.0	229.9	240.6	261.6	298.8	350.7	422.7
70°	181.6	181.1	184.9	187.7	190.4	198.7	205.8	222.9	246.0	285.6	345.6
72.5°	156.9	155.5	157.2	158.2	161.8	167.4	174.6	185.0	202.8	230.2	276.1
75°	118.9	119.4	119.4	120.5	123.3	125.5	127.7	133.1	143.1	161.3	186.0
77.5°	83.4	82.5	84.9	85.2	86.8	89.3	91.2	93.4	97.4	104.8	117.6
80°	60.5	60.5	61.1	62.7	62.2	63.3	66.0	68.2	73.2	77.6	82.0
82.5°	46.5	46.0	46.6	46.9	46.8	47.9	48.8	49.3	51.2	53.4	56.4
85°	25.3	25.3	25.8	25.8	26.4	26.4	27.0	27.0	27.0	27.5	28.0
87.5°	13.6	13.1	12.6	12.5	12.8	13.5	12.9	12.2	12.1	11.9	12.1
90°	19.8	19.2	18.8	18.2	17.6	16.9	16.0	15.1	14.1	13.2	11.9
92.5°	39.0	38.6	38.2	37.7	37.3	36.6	35.4	34.2	32.9	31.7	30.2
95°	71.0	70.7	70.3	70.0	69.5	68.7	67.4	66.2	64.9	63.6	61.8
97.5°	107.7	107.5	107.3	107.0	106.8	106.2	104.9	103.7	102.5	101.3	98.7
100°	135.5	135.1	134.8	134.4	134.0	133.0	131.3	129.7	128.1	126.4	124.0
102.5°	163.2	162.7	162.2	161.7	161.2	160.0	158.2	156.5	154.7	152.9	151.6
105°	204.9	204.3	203.7	203.3	202.7	201.9	200.7	199.7	198.5	197.5	196.3
107.5°	247.5	247.5	247.6	247.6	247.7	247.4	246.9	246.3	245.7	245.2	244.3
110°	279.2	279.4	279.6	279.8	280.0	279.8	279.2	278.7	278.1	277.6	277.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	310.3	310.6	311.0	311.3	311.6	311.6	311.4	311.1	310.9	310.6	309.9
115°	359.4	359.5	359.7	359.9	360.1	360.3	360.4	360.6	360.9	361.0	360.6
117.5°	407.2	408.0	408.7	409.4	410.2	410.5	410.3	410.2	410.1	409.9	409.6
120°	440.3	441.1	441.8	442.5	443.3	443.6	443.6	443.6	443.6	443.6	443.4
122.5°	473.4	473.9	474.5	475.2	475.7	476.1	476.2	476.4	476.5	476.7	476.2
125°	522.9	523.1	523.3	523.5	523.7	523.9	524.3	524.6	525.1	525.4	525.2
127.5°	570.5	570.9	571.3	571.6	572.0	572.3	572.4	572.6	572.8	573.0	572.7
130°	602.3	602.6	603.0	603.3	603.7	604.0	604.1	604.4	604.5	604.7	604.4
132.5°	631.9	632.5	633.0	633.5	634.1	634.4	634.5	634.7	635.0	635.1	635.2
135°	678.2	679.0	679.7	680.4	681.2	681.5	681.5	681.5	681.5	681.5	681.3
137.5°	723.5	724.4	725.4	726.3	727.2	727.5	727.3	727.1	726.8	726.7	726.3
140°	752.6	753.5	754.4	755.4	756.3	756.5	756.2	755.8	755.5	755.0	754.5
142.5°	780.3	781.3	782.2	783.1	784.0	784.4	784.2	783.9	783.7	783.5	782.8
145°	822.0	822.6	823.0	823.6	824.2	824.4	824.4	824.4	824.4	824.4	823.9
147.5°	857.5	858.8	860.0	861.3	862.5	862.9	862.4	862.0	861.6	861.1	860.7
150°	883.9	884.3	884.7	885.0	885.4	885.6	885.6	885.6	885.6	885.6	884.8
152.5°	905.7	906.4	907.1	907.8	908.4	908.5	908.1	907.6	907.2	906.8	906.4
155°	936.8	937.8	938.7	939.6	940.4	940.6	939.9	939.1	938.4	937.7	937.4
157.5°	962.8	963.9	965.2	966.4	967.6	967.8	967.1	966.4	965.6	964.9	964.7
160°	980.6	981.5	982.4	983.3	984.2	984.4	983.7	982.9	982.2	981.5	981.2
162.5°	995.8	996.9	997.9	999.0	1000.0	1000.1	999.2	998.4	997.5	996.6	996.6
165°	1016.1	1017.2	1018.3	1019.5	1020.5	1020.7	1019.9	1019.2	1018.5	1017.7	1017.6
167.5°	1032.3	1033.5	1034.6	1035.8	1036.9	1036.9	1035.8	1034.7	1033.6	1032.5	1032.5
170°	1040.9	1042.2	1043.5	1044.7	1046.0	1046.1	1045.1	1043.9	1042.8	1041.7	1041.7
172.5°	1048.1	1049.3	1050.4	1051.6	1052.7	1052.7	1051.7	1050.5	1049.5	1048.3	1048.3
175°	1054.9	1056.2	1057.5	1058.8	1060.1	1060.2	1059.1	1057.9	1056.9	1055.7	1055.7
177.5°	1058.9	1060.0	1060.9	1062.0	1063.0	1063.1	1062.3	1061.4	1060.5	1059.6	1059.7
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1377.4	1374.4	1368.6	1363.3	1356.7	1351.0	1347.1	1342.2	1336.1	1328.6	1322.4
5°	1438.4	1426.3	1410.4	1396.6	1379.0	1365.2	1351.0	1337.2	1323.4	1305.8	1290.4
7.5°	1506.0	1481.0	1456.7	1426.1	1398.4	1373.6	1349.8	1325.8	1302.2	1277.2	1253.1
10°	1547.4	1517.1	1483.5	1445.0	1409.8	1376.2	1345.4	1315.2	1283.3	1255.2	1224.9
12.5°	1586.2	1547.0	1508.6	1460.0	1417.7	1376.7	1337.5	1299.8	1265.7	1229.2	1196.8
15°	1621.1	1582.6	1539.7	1480.3	1421.4	1371.8	1325.6	1276.7	1234.3	1193.5	1157.2
17.5°	1634.7	1594.2	1544.4	1487.3	1422.9	1360.7	1301.1	1247.4	1197.5	1150.1	1109.2
20°	1629.4	1590.3	1539.1	1484.7	1415.8	1351.0	1286.5	1227.1	1171.6	1121.4	1078.0
22.5°	1616.6	1576.2	1526.8	1469.3	1403.9	1335.1	1266.3	1202.9	1144.7	1092.8	1045.5
25°	1597.5	1542.5	1491.8	1435.7	1373.5	1305.3	1234.3	1164.4	1102.2	1049.4	997.7
27.5°	1577.5	1508.9	1444.5	1388.7	1323.0	1262.1	1193.7	1122.0	1056.6	1002.8	949.7
30°	1559.5	1482.5	1411.4	1348.2	1286.0	1228.2	1163.3	1093.4	1026.3	970.7	916.8
32.5°	1537.0	1455.1	1377.1	1304.2	1244.1	1186.8	1128.0	1061.3	995.9	938.6	883.8
35°	1508.9	1404.4	1319.6	1241.9	1175.4	1119.8	1067.0	1013.1	947.6	888.2	834.8
37.5°	1471.9	1353.2	1255.2	1170.7	1100.4	1044.6	1002.9	953.7	893.9	837.0	787.4
40°	1449.4	1316.3	1208.9	1125.4	1051.6	992.7	953.7	911.8	857.4	804.0	754.4
42.5°	1419.5	1282.4	1162.3	1075.1	1000.9	944.3	904.7	868.2	822.6	772.3	719.2
45°	1360.8	1216.7	1090.6	997.1	922.3	866.7	829.8	797.4	762.7	716.5	670.3
47.5°	1284.4	1148.1	1016.3	914.1	840.8	789.2	753.4	727.8	703.0	663.7	618.8
50°	1223.3	1091.8	963.0	864.0	785.8	736.8	703.3	682.9	660.3	624.6	587.2
52.5°	1151.0	1033.6	907.5	806.2	732.5	686.6	654.4	634.1	615.5	586.3	550.6
55°	1037.3	934.4	818.8	726.9	659.3	613.0	582.2	563.0	552.0	527.2	499.1
57.5°	906.0	832.3	730.3	641.7	581.9	536.2	513.6	497.3	484.8	467.3	447.5
60°	814.4	762.7	671.3	587.2	532.1	488.6	468.3	454.5	443.0	428.1	412.7
62.5°	721.5	683.9	604.5	532.1	481.5	445.1	426.0	413.6	400.3	390.3	375.3
65°	597.0	563.5	508.4	451.8	405.0	375.9	362.1	351.1	342.8	331.8	321.4
67.5°	464.5	450.8	412.8	373.7	340.1	314.2	302.3	294.6	284.7	278.1	270.9
70°	383.0	376.4	349.4	323.6	292.2	274.6	263.6	260.2	248.2	241.6	236.6
72.5°	310.8	307.7	292.2	274.3	252.2	236.8	226.6	222.9	215.2	209.9	206.7
75°	213.0	214.1	211.3	199.7	191.5	181.6	172.8	170.6	165.1	160.7	157.9
77.5°	134.7	140.3	140.6	140.0	136.7	130.6	127.0	125.4	119.9	118.3	117.6
80°	92.5	98.5	104.0	103.5	102.3	100.7	97.9	96.3	93.5	91.9	90.8
82.5°	61.6	67.3	71.8	74.8	74.6	73.0	71.1	70.4	69.8	68.6	68.3
85°	29.2	30.2	31.9	35.8	38.5	39.1	38.5	38.0	36.3	36.9	37.4
87.5°	12.2	12.0	12.1	11.9	11.2	13.0	14.1	14.3	13.7	13.0	12.5
90°	10.7	9.4	8.1	6.7	5.2	3.8	2.3	0.8	2.3	3.8	5.2
92.5°	28.5	27.0	25.4	24.1	23.1	22.0	21.0	20.0	21.0	22.0	23.1
95°	59.9	58.1	56.3	55.2	54.8	54.5	54.1	53.7	54.1	54.5	54.8
97.5°	96.2	93.7	91.2	89.8	89.7	89.5	89.4	89.2	89.4	89.5	89.7
100°	121.6	119.2	116.8	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7
102.5°	150.4	149.2	148.0	147.0	146.3	145.5	144.8	144.1	144.8	145.5	146.3
105°	195.3	194.1	193.1	192.0	191.1	190.2	189.2	188.3	189.2	190.2	191.1
107.5°	243.5	242.6	241.8	240.9	240.0	239.1	238.1	237.3	238.1	239.1	240.0
110°	276.5	275.9	275.4	274.7	273.7	272.8	271.9	270.9	271.9	272.8	273.7



TEST NUMBER: P333709-930

CATALOG NUMBER: S125RDIW-S1090D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	309.2	308.5	307.9	307.2	306.8	306.3	305.8	305.3	305.8	306.3	306.8
115°	360.3	359.9	359.5	359.0	358.2	357.5	356.8	356.0	356.8	357.5	358.2
117.5°	409.3	409.0	408.6	408.3	407.9	407.6	407.2	406.9	407.2	407.6	407.9
120°	443.3	443.0	442.9	442.3	441.4	440.5	439.6	438.6	439.6	440.5	441.4
122.5°	475.7	475.2	474.7	474.3	474.0	473.7	473.4	473.0	473.4	473.7	474.0
125°	525.1	524.9	524.6	524.0	522.9	521.8	520.7	519.6	520.7	521.8	522.9
127.5°	572.6	572.3	572.1	571.7	571.0	570.5	569.8	569.2	569.8	570.5	571.0
130°	604.0	603.6	603.2	602.6	601.7	600.8	599.8	598.9	599.8	600.8	601.7
132.5°	635.3	635.4	635.4	634.7	633.2	631.7	630.1	628.7	630.1	631.7	633.2
135°	681.2	681.0	680.8	680.2	679.1	677.9	676.9	675.7	676.9	677.9	679.1
137.5°	725.9	725.5	725.0	724.3	723.3	722.2	721.1	720.1	721.1	722.2	723.3
140°	754.0	753.4	752.8	752.1	751.2	750.3	749.3	748.4	749.3	750.3	751.2
142.5°	782.1	781.4	780.7	780.0	779.2	778.4	777.6	776.9	777.6	778.4	779.2
145°	823.4	822.8	822.2	821.6	820.8	820.1	819.4	818.6	819.4	820.1	820.8
147.5°	860.2	859.8	859.4	858.9	858.5	858.2	857.8	857.4	857.8	858.2	858.5
150°	884.1	883.4	882.6	882.4	882.6	882.7	883.0	883.1	883.0	882.7	882.6
152.5°	906.1	905.9	905.6	905.3	905.1	904.7	904.5	904.2	904.5	904.7	905.1
155°	937.3	937.1	936.9	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8
157.5°	964.5	964.3	964.2	964.3	964.7	965.1	965.5	965.9	965.5	965.1	964.7
160°	981.0	980.9	980.7	980.9	981.5	981.9	982.5	983.1	982.5	981.9	981.5
162.5°	996.5	996.5	996.5	996.6	997.0	997.4	997.8	998.3	997.8	997.4	997.0
165°	1017.4	1017.2	1017.0	1017.1	1017.5	1017.8	1018.2	1018.6	1018.2	1017.8	1017.5
167.5°	1032.5	1032.5	1032.5	1032.8	1033.6	1034.3	1035.0	1035.8	1035.0	1034.3	1033.6
170°	1041.7	1041.7	1041.7	1042.1	1042.8	1043.6	1044.3	1045.1	1044.3	1043.6	1042.8
172.5°	1048.3	1048.3	1048.3	1048.7	1049.5	1050.2	1050.9	1051.7	1050.9	1050.2	1049.5
175°	1055.7	1055.7	1055.7	1056.1	1056.9	1057.6	1058.3	1059.1	1058.3	1057.6	1056.9
177.5°	1059.9	1060.0	1060.1	1060.5	1061.1	1061.7	1062.3	1062.9	1062.3	1061.7	1061.1
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



TEST NUMBER: P333709-930

CATALOG NUMBER: S125RDIW-S1090D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1318.0	1311.9	1307.5	1298.7	1292.5	1289.9	1285.0	1283.7	1288.5	1285.0	1284.6
5°	1278.9	1262.9	1250.3	1237.5	1223.8	1215.0	1201.8	1199.6	1196.3	1191.3	1190.3
7.5°	1231.8	1211.0	1194.7	1173.9	1155.7	1141.1	1124.5	1116.7	1112.5	1106.0	1097.5
10°	1200.1	1175.4	1153.4	1132.5	1109.9	1091.8	1075.2	1062.6	1054.3	1046.6	1043.3
12.5°	1168.9	1143.7	1115.5	1090.2	1065.0	1044.6	1026.4	1018.1	1009.0	1000.0	992.3
15°	1120.4	1086.8	1056.0	1026.8	1005.3	983.3	965.7	953.7	939.9	936.0	921.2
17.5°	1068.9	1035.9	999.9	969.1	944.3	920.1	900.7	887.0	876.6	862.4	855.6
20°	1036.7	997.7	962.5	934.4	906.9	878.2	858.4	846.9	837.0	825.4	819.9
22.5°	1002.4	964.2	928.1	895.2	867.2	839.1	825.0	813.0	801.8	791.1	783.8
25°	951.9	913.5	875.5	841.4	812.2	791.8	775.3	761.6	755.5	745.1	737.4
27.5°	902.1	861.2	821.8	787.7	764.9	744.8	731.2	720.3	709.4	700.3	693.6
30°	870.0	828.2	785.2	758.3	734.1	714.8	699.9	689.5	681.3	673.0	668.1
32.5°	837.9	794.8	756.6	727.5	704.6	687.9	672.6	662.7	654.0	644.8	639.0
35°	786.4	742.3	711.5	682.9	660.3	644.9	634.5	620.2	613.0	606.4	600.4
37.5°	738.5	697.6	664.2	639.1	619.5	604.2	590.7	582.9	574.1	568.2	563.1
40°	703.3	665.9	635.6	609.2	594.8	577.8	565.2	555.2	548.6	541.0	535.4
42.5°	671.6	636.7	607.4	583.6	565.8	551.4	539.2	529.3	520.9	515.4	510.8
45°	626.8	592.1	563.5	541.4	525.0	511.2	498.6	493.6	482.6	476.0	473.8
47.5°	580.4	549.4	521.8	501.5	484.6	471.6	459.7	449.6	443.5	437.0	433.5
50°	549.2	519.4	493.6	473.8	457.3	443.0	431.9	425.3	417.1	411.1	406.7
52.5°	518.0	490.4	464.6	445.6	431.3	417.0	404.7	398.1	390.3	386.4	383.4
55°	473.3	444.1	422.1	403.3	388.5	375.3	363.7	357.1	352.2	348.3	347.2
57.5°	422.7	399.5	379.0	362.2	346.7	334.4	324.2	318.0	313.6	313.0	309.7
60°	389.6	368.7	350.0	331.8	318.6	307.0	298.2	291.1	286.7	286.2	285.0
62.5°	356.6	336.6	319.2	303.2	291.3	280.2	271.8	263.8	261.1	258.4	256.0
65°	307.6	289.4	275.2	262.4	249.8	240.4	232.2	227.3	221.2	217.9	211.9
67.5°	259.5	245.4	231.7	221.0	211.1	202.2	195.3	188.0	183.9	181.2	176.8
70°	227.8	216.8	203.1	191.5	183.8	176.7	171.1	162.9	160.1	157.9	155.7
72.5°	197.9	188.2	176.7	167.3	159.6	152.9	146.5	142.6	139.9	137.7	136.4
75°	155.7	146.3	136.5	129.9	124.3	118.9	115.5	112.8	111.7	111.1	108.9
77.5°	114.4	109.4	101.5	96.2	92.5	90.3	87.4	85.9	85.9	83.4	82.7
80°	87.5	84.7	78.1	75.9	73.2	71.0	69.3	66.6	63.8	62.7	61.1
82.5°	65.1	62.3	59.7	56.1	53.8	52.5	50.9	49.8	50.2	48.7	47.9
85°	34.7	31.9	30.8	30.2	29.2	30.2	29.7	29.2	28.6	28.0	28.6
87.5°	12.3	12.6	12.5	13.6	12.5	13.2	13.4	13.1	13.3	13.5	13.2
90°	6.7	8.1	9.4	10.7	11.9	13.2	14.1	15.1	16.0	16.9	17.6
92.5°	24.1	25.4	27.0	28.5	30.2	31.7	32.9	34.2	35.4	36.6	37.3
95°	55.2	56.3	58.1	59.9	61.8	63.6	64.9	66.2	67.4	68.7	69.5
97.5°	89.8	91.2	93.7	96.2	98.7	101.3	102.5	103.7	104.9	106.2	106.8
100°	115.7	116.8	119.2	121.6	124.0	126.4	128.1	129.7	131.3	133.0	134.0
102.5°	147.0	148.0	149.2	150.4	151.6	152.9	154.7	156.5	158.2	160.0	161.2
105°	192.0	193.1	194.1	195.3	196.3	197.5	198.5	199.7	200.7	201.9	202.7
107.5°	240.9	241.8	242.6	243.5	244.3	245.2	245.7	246.3	246.9	247.4	247.7
110°	274.7	275.4	275.9	276.5	277.0	277.6	278.1	278.7	279.2	279.8	280.0



TEST NUMBER: P333709-930

CATALOG NUMBER: S125RDIW-S1090D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	307.2	307.9	308.5	309.2	309.9	310.6	310.9	311.1	311.4	311.6	311.6
115°	359.0	359.5	359.9	360.3	360.6	361.0	360.9	360.6	360.4	360.3	360.1
117.5°	408.3	408.6	409.0	409.3	409.6	409.9	410.1	410.2	410.3	410.5	410.2
120°	442.3	442.9	443.0	443.3	443.4	443.6	443.6	443.6	443.6	443.6	443.3
122.5°	474.3	474.7	475.2	475.7	476.2	476.7	476.5	476.4	476.2	476.1	475.7
125°	524.0	524.6	524.9	525.1	525.2	525.4	525.1	524.6	524.3	523.9	523.7
127.5°	571.7	572.1	572.3	572.6	572.7	573.0	572.8	572.6	572.4	572.3	572.0
130°	602.6	603.2	603.6	604.0	604.4	604.7	604.5	604.4	604.1	604.0	603.7
132.5°	634.7	635.4	635.4	635.3	635.2	635.1	635.0	634.7	634.5	634.4	634.1
135°	680.2	680.8	681.0	681.2	681.3	681.5	681.5	681.5	681.5	681.5	681.2
137.5°	724.3	725.0	725.5	725.9	726.3	726.7	726.8	727.1	727.3	727.5	727.2
140°	752.1	752.8	753.4	754.0	754.5	755.0	755.5	755.8	756.2	756.5	756.3
142.5°	780.0	780.7	781.4	782.1	782.8	783.5	783.7	783.9	784.2	784.4	784.0
145°	821.6	822.2	822.8	823.4	823.9	824.4	824.4	824.4	824.4	824.4	824.2
147.5°	858.9	859.4	859.8	860.2	860.7	861.1	861.6	862.0	862.4	862.9	862.5
150°	882.4	882.6	883.4	884.1	884.8	885.6	885.6	885.6	885.6	885.6	885.4
152.5°	905.3	905.6	905.9	906.1	906.4	906.8	907.2	907.6	908.1	908.5	908.4
155°	936.8	936.9	937.1	937.3	937.4	937.7	938.4	939.1	939.9	940.6	940.4
157.5°	964.3	964.2	964.3	964.5	964.7	964.9	965.6	966.4	967.1	967.8	967.6
160°	980.9	980.7	980.9	981.0	981.2	981.5	982.2	982.9	983.7	984.4	984.2
162.5°	996.6	996.5	996.5	996.5	996.6	996.6	997.5	998.4	999.2	1000.1	1000.0
165°	1017.1	1017.0	1017.2	1017.4	1017.6	1017.7	1018.5	1019.2	1019.9	1020.7	1020.5
167.5°	1032.8	1032.5	1032.5	1032.5	1032.5	1032.5	1033.6	1034.7	1035.8	1036.9	1036.9
170°	1042.1	1041.7	1041.7	1041.7	1041.7	1041.7	1042.8	1043.9	1045.1	1046.1	1046.0
172.5°	1048.7	1048.3	1048.3	1048.3	1048.3	1048.3	1049.5	1050.5	1051.7	1052.7	1052.7
175°	1056.1	1055.7	1055.7	1055.7	1055.7	1055.7	1056.9	1057.9	1059.1	1060.2	1060.1
177.5°	1060.5	1060.1	1060.0	1059.9	1059.7	1059.6	1060.5	1061.4	1062.3	1063.1	1063.0
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



TEST NUMBER: P333709-930

CATALOG NUMBER: S125RDIW-S1090D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1284.1	1279.3	1278.0	1279.7	1278.0	1279.3	1284.1	1284.6	1285.0	1288.5	1283.7
5°	1184.8	1179.2	1182.0	1180.9	1182.0	1179.2	1184.8	1190.3	1191.3	1196.3	1199.6
7.5°	1097.4	1090.5	1083.3	1085.6	1083.3	1090.5	1097.4	1097.5	1106.0	1112.5	1116.7
10°	1036.2	1030.7	1027.4	1030.1	1027.4	1030.7	1036.2	1043.3	1046.6	1054.3	1062.6
12.5°	984.6	981.4	978.5	977.3	978.5	981.4	984.6	992.3	1000.0	1009.0	1018.1
15°	914.6	908.0	905.2	898.1	905.2	908.0	914.6	921.2	936.0	939.9	953.7
17.5°	849.9	847.7	840.6	837.6	840.6	847.7	849.9	855.6	862.4	876.6	887.0
20°	811.6	809.4	802.3	806.7	802.3	809.4	811.6	819.9	825.4	837.0	846.9
22.5°	780.0	775.1	772.8	771.5	772.8	775.1	780.0	783.8	791.1	801.8	813.0
25°	735.2	728.0	725.3	721.9	725.3	728.0	735.2	737.4	745.1	755.5	761.6
27.5°	690.5	686.6	683.0	682.2	683.0	686.6	690.5	693.6	700.3	709.4	720.3
30°	661.5	657.6	654.8	654.8	654.8	657.6	661.5	668.1	673.0	681.3	689.5
32.5°	635.4	632.5	629.7	629.3	629.7	632.5	635.4	639.0	644.8	654.0	662.7
35°	597.6	593.2	592.1	588.8	592.1	593.2	597.6	600.4	606.4	613.0	620.2
37.5°	558.3	554.6	554.6	554.2	554.6	554.6	558.3	563.1	568.2	574.1	582.9
40°	533.2	530.4	529.9	526.0	529.9	530.4	533.2	535.4	541.0	548.6	555.2
42.5°	506.4	504.9	503.0	501.4	503.0	504.9	506.4	510.8	515.4	520.9	529.3
45°	469.9	466.1	466.1	463.3	466.1	466.1	469.9	473.8	476.0	482.6	493.6
47.5°	432.3	429.3	429.7	426.8	429.7	429.3	432.3	433.5	437.0	443.5	449.6
50°	407.2	405.5	405.0	403.9	405.0	405.5	407.2	406.7	411.1	417.1	425.3
52.5°	382.1	381.3	383.4	381.0	383.4	381.3	382.1	383.4	386.4	390.3	398.1
55°	348.3	346.7	350.0	346.7	350.0	346.7	348.3	347.2	348.3	352.2	357.1
57.5°	309.5	307.9	310.9	309.2	310.9	307.9	309.5	309.7	313.0	313.6	318.0
60°	284.0	280.6	282.3	282.8	282.3	280.6	284.0	285.0	286.2	286.7	291.1
62.5°	253.6	251.6	252.8	250.3	252.8	251.6	253.6	256.0	258.4	261.1	263.8
65°	210.8	209.1	206.9	205.8	206.9	209.1	210.8	211.9	217.9	221.2	227.3
67.5°	177.1	173.1	173.0	173.9	173.0	173.1	177.1	176.8	181.2	183.9	188.0
70°	152.5	152.5	151.9	151.9	151.9	152.5	152.5	155.7	157.9	160.1	162.9
72.5°	135.3	134.9	133.8	133.4	133.8	134.9	135.3	136.4	137.7	139.9	142.6
75°	108.9	109.5	108.4	107.9	108.4	109.5	108.9	108.9	111.1	111.7	112.8
77.5°	80.5	78.1	79.3	78.1	79.3	78.1	80.5	82.7	83.4	85.9	85.9
80°	61.1	60.5	62.2	60.5	62.2	60.5	61.1	61.1	62.7	63.8	66.6
82.5°	48.3	47.8	48.5	47.3	48.5	47.8	48.3	47.9	48.7	50.2	49.8
85°	29.2	28.6	28.0	28.6	28.0	28.6	29.2	28.6	28.0	28.6	29.2
87.5°	13.8	13.5	13.5	13.6	13.5	13.5	13.8	13.2	13.5	13.3	13.1
90°	18.2	18.8	19.2	19.8	19.2	18.8	18.2	17.6	16.9	16.0	15.1
92.5°	37.7	38.2	38.6	39.0	38.6	38.2	37.7	37.3	36.6	35.4	34.2
95°	70.0	70.3	70.7	71.0	70.7	70.3	70.0	69.5	68.7	67.4	66.2
97.5°	107.0	107.3	107.5	107.7	107.5	107.3	107.0	106.8	106.2	104.9	103.7
100°	134.4	134.8	135.1	135.5	135.1	134.8	134.4	134.0	133.0	131.3	129.7
102.5°	161.7	162.2	162.7	163.2	162.7	162.2	161.7	161.2	160.0	158.2	156.5
105°	203.3	203.7	204.3	204.9	204.3	203.7	203.3	202.7	201.9	200.7	199.7
107.5°	247.6	247.6	247.5	247.5	247.5	247.6	247.6	247.7	247.4	246.9	246.3
110°	279.8	279.6	279.4	279.2	279.4	279.6	279.8	280.0	279.8	279.2	278.7



TEST NUMBER: P333709-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	311.3	311.0	310.6	310.3	310.6	311.0	311.3	311.6	311.6	311.4	311.1
115°	359.9	359.7	359.5	359.4	359.5	359.7	359.9	360.1	360.3	360.4	360.6
117.5°	409.4	408.7	408.0	407.2	408.0	408.7	409.4	410.2	410.5	410.3	410.2
120°	442.5	441.8	441.1	440.3	441.1	441.8	442.5	443.3	443.6	443.6	443.6
122.5°	475.2	474.5	473.9	473.4	473.9	474.5	475.2	475.7	476.1	476.2	476.4
125°	523.5	523.3	523.1	522.9	523.1	523.3	523.5	523.7	523.9	524.3	524.6
127.5°	571.6	571.3	570.9	570.5	570.9	571.3	571.6	572.0	572.3	572.4	572.6
130°	603.3	603.0	602.6	602.3	602.6	603.0	603.3	603.7	604.0	604.1	604.4
132.5°	633.5	633.0	632.5	631.9	632.5	633.0	633.5	634.1	634.4	634.5	634.7
135°	680.4	679.7	679.0	678.2	679.0	679.7	680.4	681.2	681.5	681.5	681.5
137.5°	726.3	725.4	724.4	723.5	724.4	725.4	726.3	727.2	727.5	727.3	727.1
140°	755.4	754.4	753.5	752.6	753.5	754.4	755.4	756.3	756.5	756.2	755.8
142.5°	783.1	782.2	781.3	780.3	781.3	782.2	783.1	784.0	784.4	784.2	783.9
145°	823.6	823.0	822.6	822.0	822.6	823.0	823.6	824.2	824.4	824.4	824.4
147.5°	861.3	860.0	858.8	857.5	858.8	860.0	861.3	862.5	862.9	862.4	862.0
150°	885.0	884.7	884.3	883.9	884.3	884.7	885.0	885.4	885.6	885.6	885.6
152.5°	907.8	907.1	906.4	905.7	906.4	907.1	907.8	908.4	908.5	908.1	907.6
155°	939.6	938.7	937.8	936.8	937.8	938.7	939.6	940.4	940.6	939.9	939.1
157.5°	966.4	965.2	963.9	962.8	963.9	965.2	966.4	967.6	967.8	967.1	966.4
160°	983.3	982.4	981.5	980.6	981.5	982.4	983.3	984.2	984.4	983.7	982.9
162.5°	999.0	997.9	996.9	995.8	996.9	997.9	999.0	1000.0	1000.1	999.2	998.4
165°	1019.5	1018.3	1017.2	1016.1	1017.2	1018.3	1019.5	1020.5	1020.7	1019.9	1019.2
167.5°	1035.8	1034.6	1033.5	1032.3	1033.5	1034.6	1035.8	1036.9	1036.9	1035.8	1034.7
170°	1044.7	1043.5	1042.2	1040.9	1042.2	1043.5	1044.7	1046.0	1046.1	1045.1	1043.9
172.5°	1051.6	1050.4	1049.3	1048.1	1049.3	1050.4	1051.6	1052.7	1052.7	1051.7	1050.5
175°	1058.8	1057.5	1056.2	1054.9	1056.2	1057.5	1058.8	1060.1	1060.2	1059.1	1057.9
177.5°	1062.0	1060.9	1060.0	1058.9	1060.0	1060.9	1062.0	1063.0	1063.1	1062.3	1061.4
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1285.0	1289.9	1292.5	1298.7	1307.5	1311.9	1318.0	1322.4	1328.6	1336.1	1342.2
5°	1201.8	1215.0	1223.8	1237.5	1250.3	1262.9	1278.9	1290.4	1305.8	1323.4	1337.2
7.5°	1124.5	1141.1	1155.7	1173.9	1194.7	1211.0	1231.8	1253.1	1277.2	1302.2	1325.8
10°	1075.2	1091.8	1109.9	1132.5	1153.4	1175.4	1200.1	1224.9	1255.2	1283.3	1315.2
12.5°	1026.4	1044.6	1065.0	1090.2	1115.5	1143.7	1168.9	1196.8	1229.2	1265.7	1299.8
15°	965.7	983.3	1005.3	1026.8	1056.0	1086.8	1120.4	1157.2	1193.5	1234.3	1276.7
17.5°	900.7	920.1	944.3	969.1	999.9	1035.9	1068.9	1109.2	1150.1	1197.5	1247.4
20°	858.4	878.2	906.9	934.4	962.5	997.7	1036.7	1078.0	1121.4	1171.6	1227.1
22.5°	825.0	839.1	867.2	895.2	928.1	964.2	1002.4	1045.5	1092.8	1144.7	1202.9
25°	775.3	791.8	812.2	841.4	875.5	913.5	951.9	997.7	1049.4	1102.2	1164.4
27.5°	731.2	744.8	764.9	787.7	821.8	861.2	902.1	949.7	1002.8	1056.6	1122.0
30°	699.9	714.8	734.1	758.3	785.2	828.2	870.0	916.8	970.7	1026.3	1093.4
32.5°	672.6	687.9	704.6	727.5	756.6	794.8	837.9	883.8	938.6	995.9	1061.3
35°	634.5	644.9	660.3	682.9	711.5	742.3	786.4	834.8	888.2	947.6	1013.1
37.5°	590.7	604.2	619.5	639.1	664.2	697.6	738.5	787.4	837.0	893.9	953.7
40°	565.2	577.8	594.8	609.2	635.6	665.9	703.3	754.4	804.0	857.4	911.8
42.5°	539.2	551.4	565.8	583.6	607.4	636.7	671.6	719.2	772.3	822.6	868.2
45°	498.6	511.2	525.0	541.4	563.5	592.1	626.8	670.3	716.5	762.7	797.4
47.5°	459.7	471.6	484.6	501.5	521.8	549.4	580.4	618.8	663.7	703.0	727.8
50°	431.9	443.0	457.3	473.8	493.6	519.4	549.2	587.2	624.6	660.3	682.9
52.5°	404.7	417.0	431.3	445.6	464.6	490.4	518.0	550.6	586.3	615.5	634.1
55°	363.7	375.3	388.5	403.3	422.1	444.1	473.3	499.1	527.2	552.0	563.0
57.5°	324.2	334.4	346.7	362.2	379.0	399.5	422.7	447.5	467.3	484.8	497.3
60°	298.2	307.0	318.6	331.8	350.0	368.7	389.6	412.7	428.1	443.0	454.5
62.5°	271.8	280.2	291.3	303.2	319.2	336.6	356.6	375.3	390.3	400.3	413.6
65°	232.2	240.4	249.8	262.4	275.2	289.4	307.6	321.4	331.8	342.8	351.1
67.5°	195.3	202.2	211.1	221.0	231.7	245.4	259.5	270.9	278.1	284.7	294.6
70°	171.1	176.7	183.8	191.5	203.1	216.8	227.8	236.6	241.6	248.2	260.2
72.5°	146.5	152.9	159.6	167.3	176.7	188.2	197.9	206.7	209.9	215.2	222.9
75°	115.5	118.9	124.3	129.9	136.5	146.3	155.7	157.9	160.7	165.1	170.6
77.5°	87.4	90.3	92.5	96.2	101.5	109.4	114.4	117.6	118.3	119.9	125.4
80°	69.3	71.0	73.2	75.9	78.1	84.7	87.5	90.8	91.9	93.5	96.3
82.5°	50.9	52.5	53.8	56.1	59.7	62.3	65.1	68.3	68.6	69.8	70.4
85°	29.7	30.2	29.2	30.2	30.8	31.9	34.7	37.4	36.9	36.3	38.0
87.5°	13.4	13.2	12.5	13.6	12.5	12.6	12.3	12.5	13.0	13.7	14.3
90°	14.1	13.2	11.9	10.7	9.4	8.1	6.7	5.2	3.8	2.3	0.8
92.5°	32.9	31.7	30.2	28.5	27.0	25.4	24.1	23.1	22.0	21.0	20.0
95°	64.9	63.6	61.8	59.9	58.1	56.3	55.2	54.8	54.5	54.1	53.7
97.5°	102.5	101.3	98.7	96.2	93.7	91.2	89.8	89.7	89.5	89.4	89.2
100°	128.1	126.4	124.0	121.6	119.2	116.8	115.7	115.7	115.7	115.7	115.7
102.5°	154.7	152.9	151.6	150.4	149.2	148.0	147.0	146.3	145.5	144.8	144.1
105°	198.5	197.5	196.3	195.3	194.1	193.1	192.0	191.1	190.2	189.2	188.3
107.5°	245.7	245.2	244.3	243.5	242.6	241.8	240.9	240.0	239.1	238.1	237.3
110°	278.1	277.6	277.0	276.5	275.9	275.4	274.7	273.7	272.8	271.9	270.9



TEST NUMBER: P333709-930

CATALOG NUMBER: S125RDIW-S1090D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	310.9	310.6	309.9	309.2	308.5	307.9	307.2	306.8	306.3	305.8	305.3
115°	360.9	361.0	360.6	360.3	359.9	359.5	359.0	358.2	357.5	356.8	356.0
117.5°	410.1	409.9	409.6	409.3	409.0	408.6	408.3	407.9	407.6	407.2	406.9
120°	443.6	443.6	443.4	443.3	443.0	442.9	442.3	441.4	440.5	439.6	438.6
122.5°	476.5	476.7	476.2	475.7	475.2	474.7	474.3	474.0	473.7	473.4	473.0
125°	525.1	525.4	525.2	525.1	524.9	524.6	524.0	522.9	521.8	520.7	519.6
127.5°	572.8	573.0	572.7	572.6	572.3	572.1	571.7	571.0	570.5	569.8	569.2
130°	604.5	604.7	604.4	604.0	603.6	603.2	602.6	601.7	600.8	599.8	598.9
132.5°	635.0	635.1	635.2	635.3	635.4	635.4	634.7	633.2	631.7	630.1	628.7
135°	681.5	681.5	681.3	681.2	681.0	680.8	680.2	679.1	677.9	676.9	675.7
137.5°	726.8	726.7	726.3	725.9	725.5	725.0	724.3	723.3	722.2	721.1	720.1
140°	755.5	755.0	754.5	754.0	753.4	752.8	752.1	751.2	750.3	749.3	748.4
142.5°	783.7	783.5	782.8	782.1	781.4	780.7	780.0	779.2	778.4	777.6	776.9
145°	824.4	824.4	823.9	823.4	822.8	822.2	821.6	820.8	820.1	819.4	818.6
147.5°	861.6	861.1	860.7	860.2	859.8	859.4	858.9	858.5	858.2	857.8	857.4
150°	885.6	885.6	884.8	884.1	883.4	882.6	882.4	882.6	882.7	883.0	883.1
152.5°	907.2	906.8	906.4	906.1	905.9	905.6	905.3	905.1	904.7	904.5	904.2
155°	938.4	937.7	937.4	937.3	937.1	936.9	936.8	936.8	936.8	936.8	936.8
157.5°	965.6	964.9	964.7	964.5	964.3	964.2	964.3	964.7	965.1	965.5	965.9
160°	982.2	981.5	981.2	981.0	980.9	980.7	980.9	981.5	981.9	982.5	983.1
162.5°	997.5	996.6	996.6	996.5	996.5	996.5	996.6	997.0	997.4	997.8	998.3
165°	1018.5	1017.7	1017.6	1017.4	1017.2	1017.0	1017.1	1017.5	1017.8	1018.2	1018.6
167.5°	1033.6	1032.5	1032.5	1032.5	1032.5	1032.5	1032.8	1033.6	1034.3	1035.0	1035.8
170°	1042.8	1041.7	1041.7	1041.7	1041.7	1041.7	1042.1	1042.8	1043.6	1044.3	1045.1
172.5°	1049.5	1048.3	1048.3	1048.3	1048.3	1048.3	1048.7	1049.5	1050.2	1050.9	1051.7
175°	1056.9	1055.7	1055.7	1055.7	1055.7	1055.7	1056.1	1056.9	1057.6	1058.3	1059.1
177.5°	1060.5	1059.6	1059.7	1059.9	1060.0	1060.1	1060.5	1061.1	1061.7	1062.3	1062.9
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1347.1	1351.0	1356.7	1363.3	1368.6	1374.4	1377.4	1377.4	1380.1	1385.8	1393.3
5°	1351.0	1365.2	1379.0	1396.6	1410.4	1426.3	1438.4	1450.0	1460.4	1473.7	1487.4
7.5°	1349.8	1373.6	1398.4	1426.1	1456.7	1481.0	1506.0	1525.6	1545.0	1570.3	1590.2
10°	1345.4	1376.2	1409.8	1445.0	1483.5	1517.1	1547.4	1574.9	1601.3	1628.8	1653.6
12.5°	1337.5	1376.7	1417.7	1460.0	1508.6	1547.0	1586.2	1615.4	1646.3	1676.3	1706.8
15°	1325.6	1371.8	1421.4	1480.3	1539.7	1582.6	1621.1	1659.1	1687.7	1721.8	1751.0
17.5°	1301.1	1360.7	1422.9	1487.3	1544.4	1594.2	1634.7	1670.8	1701.3	1738.8	1778.4
20°	1286.5	1351.0	1415.8	1484.7	1539.1	1590.3	1629.4	1666.8	1704.8	1753.7	1802.1
22.5°	1266.3	1335.1	1403.9	1469.3	1526.8	1576.2	1616.6	1662.4	1712.2	1767.8	1826.4
25°	1234.3	1305.3	1373.5	1435.7	1491.8	1542.5	1597.5	1659.1	1719.6	1792.8	1877.0
27.5°	1193.7	1262.1	1323.0	1388.7	1444.5	1508.9	1577.5	1644.4	1731.6	1832.3	1937.4
30°	1163.3	1228.2	1286.0	1348.2	1411.4	1482.5	1559.5	1638.2	1742.2	1860.5	1985.4
32.5°	1128.0	1186.8	1244.1	1304.2	1377.1	1455.1	1537.0	1633.4	1757.6	1892.2	2021.5
35°	1067.0	1119.8	1175.4	1241.9	1319.6	1404.4	1508.9	1626.1	1776.3	1921.0	2037.1
37.5°	1002.9	1044.6	1100.4	1170.7	1255.2	1353.2	1471.9	1614.3	1768.6	1898.4	1947.9
40°	953.7	992.7	1051.6	1125.4	1208.9	1316.3	1449.4	1595.8	1751.0	1841.3	1837.4
42.5°	904.7	944.3	1000.9	1075.1	1162.3	1282.4	1419.5	1571.6	1702.6	1736.9	1665.2
45°	829.8	866.7	922.3	997.1	1090.6	1216.7	1360.8	1506.7	1590.3	1534.7	1392.8
47.5°	753.4	789.2	840.8	914.1	1016.3	1148.1	1284.4	1404.1	1415.8	1296.5	1126.2
50°	703.3	736.8	785.8	864.0	963.0	1091.8	1223.3	1317.4	1288.2	1142.4	966.9
52.5°	654.4	686.6	732.5	806.2	907.5	1033.6	1151.0	1224.9	1157.5	1002.4	844.5
55°	582.2	613.0	659.3	726.9	818.8	934.4	1037.3	1064.2	965.2	808.9	681.3
57.5°	513.6	536.2	581.9	641.7	730.3	832.3	906.0	901.2	791.8	651.1	559.5
60°	468.3	488.6	532.1	587.2	671.3	762.7	814.4	792.4	681.8	565.7	477.6
62.5°	426.0	445.1	481.5	532.1	604.5	683.9	721.5	691.1	586.7	484.7	414.7
65°	362.1	375.9	405.0	451.8	508.4	563.5	597.0	552.4	460.1	383.0	330.2
67.5°	302.3	314.2	340.1	373.7	412.8	450.8	464.5	422.7	350.7	298.8	261.6
70°	263.6	274.6	292.2	323.6	349.4	376.4	383.0	345.6	285.6	246.0	222.9
72.5°	226.6	236.8	252.2	274.3	292.2	307.7	310.8	276.1	230.2	202.8	185.0
75°	172.8	181.6	191.5	199.7	211.3	214.1	213.0	186.0	161.3	143.1	133.1
77.5°	127.0	130.6	136.7	140.0	140.6	140.3	134.7	117.6	104.8	97.4	93.4
80°	97.9	100.7	102.3	103.5	104.0	98.5	92.5	82.0	77.6	73.2	68.2
82.5°	71.1	73.0	74.6	74.8	71.8	67.3	61.6	56.4	53.4	51.2	49.3
85°	38.5	39.1	38.5	35.8	31.9	30.2	29.2	28.0	27.5	27.0	27.0
87.5°	14.1	13.0	11.2	11.9	12.1	12.0	12.2	12.1	11.9	12.1	12.2
90°	2.3	3.8	5.2	6.7	8.1	9.4	10.7	11.9	13.2	14.1	15.1
92.5°	21.0	22.0	23.1	24.1	25.4	27.0	28.5	30.2	31.7	32.9	34.2
95°	54.1	54.5	54.8	55.2	56.3	58.1	59.9	61.8	63.6	64.9	66.2
97.5°	89.4	89.5	89.7	89.8	91.2	93.7	96.2	98.7	101.3	102.5	103.7
100°	115.7	115.7	115.7	115.7	116.8	119.2	121.6	124.0	126.4	128.1	129.7
102.5°	144.8	145.5	146.3	147.0	148.0	149.2	150.4	151.6	152.9	154.7	156.5
105°	189.2	190.2	191.1	192.0	193.1	194.1	195.3	196.3	197.5	198.5	199.7
107.5°	238.1	239.1	240.0	240.9	241.8	242.6	243.5	244.3	245.2	245.7	246.3
110°	271.9	272.8	273.7	274.7	275.4	275.9	276.5	277.0	277.6	278.1	278.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	305.8	306.3	306.8	307.2	307.9	308.5	309.2	309.9	310.6	310.9	311.1
115°	356.8	357.5	358.2	359.0	359.5	359.9	360.3	360.6	361.0	360.9	360.6
117.5°	407.2	407.6	407.9	408.3	408.6	409.0	409.3	409.6	409.9	410.1	410.2
120°	439.6	440.5	441.4	442.3	442.9	443.0	443.3	443.4	443.6	443.6	443.6
122.5°	473.4	473.7	474.0	474.3	474.7	475.2	475.7	476.2	476.7	476.5	476.4
125°	520.7	521.8	522.9	524.0	524.6	524.9	525.1	525.2	525.4	525.1	524.6
127.5°	569.8	570.5	571.0	571.7	572.1	572.3	572.6	572.7	573.0	572.8	572.6
130°	599.8	600.8	601.7	602.6	603.2	603.6	604.0	604.4	604.7	604.5	604.4
132.5°	630.1	631.7	633.2	634.7	635.4	635.4	635.3	635.2	635.1	635.0	634.7
135°	676.9	677.9	679.1	680.2	680.8	681.0	681.2	681.3	681.5	681.5	681.5
137.5°	721.1	722.2	723.3	724.3	725.0	725.5	725.9	726.3	726.7	726.8	727.1
140°	749.3	750.3	751.2	752.1	752.8	753.4	754.0	754.5	755.0	755.5	755.8
142.5°	777.6	778.4	779.2	780.0	780.7	781.4	782.1	782.8	783.5	783.7	783.9
145°	819.4	820.1	820.8	821.6	822.2	822.8	823.4	823.9	824.4	824.4	824.4
147.5°	857.8	858.2	858.5	858.9	859.4	859.8	860.2	860.7	861.1	861.6	862.0
150°	883.0	882.7	882.6	882.4	882.6	883.4	884.1	884.8	885.6	885.6	885.6
152.5°	904.5	904.7	905.1	905.3	905.6	905.9	906.1	906.4	906.8	907.2	907.6
155°	936.8	936.8	936.8	936.8	936.9	937.1	937.3	937.4	937.7	938.4	939.1
157.5°	965.5	965.1	964.7	964.3	964.2	964.3	964.5	964.7	964.9	965.6	966.4
160°	982.5	981.9	981.5	980.9	980.7	980.9	981.0	981.2	981.5	982.2	982.9
162.5°	997.8	997.4	997.0	996.6	996.5	996.5	996.5	996.6	996.6	997.5	998.4
165°	1018.2	1017.8	1017.5	1017.1	1017.0	1017.2	1017.4	1017.6	1017.7	1018.5	1019.2
167.5°	1035.0	1034.3	1033.6	1032.8	1032.5	1032.5	1032.5	1032.5	1032.5	1033.6	1034.7
170°	1044.3	1043.6	1042.8	1042.1	1041.7	1041.7	1041.7	1041.7	1041.7	1042.8	1043.9
172.5°	1050.9	1050.2	1049.5	1048.7	1048.3	1048.3	1048.3	1048.3	1048.3	1049.5	1050.5
175°	1058.3	1057.6	1056.9	1056.1	1055.7	1055.7	1055.7	1055.7	1055.7	1056.9	1057.9
177.5°	1062.3	1061.7	1061.1	1060.5	1060.1	1060.0	1059.9	1059.7	1059.6	1060.5	1061.4
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1399.1	1399.1	1406.6	1406.1	1411.0	1409.2	1410.1
5°	1503.9	1513.3	1521.5	1527.1	1535.3	1537.5	1536.4
7.5°	1612.7	1633.5	1643.6	1657.4	1659.9	1667.2	1666.5
10°	1680.0	1700.4	1715.8	1727.9	1733.9	1741.6	1742.2
12.5°	1732.8	1750.1	1763.7	1775.0	1782.3	1784.8	1786.2
15°	1774.1	1793.3	1809.3	1825.3	1834.7	1841.8	1845.7
17.5°	1815.7	1845.4	1873.6	1895.2	1908.3	1919.3	1919.1
20°	1847.9	1882.0	1917.2	1942.0	1967.2	1978.2	1979.9
22.5°	1882.2	1934.4	1979.7	2018.1	2051.3	2062.8	2067.1
25°	1953.5	2021.7	2091.7	2145.5	2184.0	2206.6	2210.0
27.5°	2039.6	2132.0	2205.5	2255.3	2287.3	2304.0	2307.6
30°	2100.5	2185.7	2251.8	2289.2	2304.0	2306.2	2298.0
32.5°	2127.7	2191.4	2217.9	2215.7	2186.5	2167.1	2159.7
35°	2094.3	2081.1	2016.8	1939.8	1880.9	1843.5	1833.5
37.5°	1905.9	1792.0	1673.6	1557.2	1495.3	1463.7	1409.6
40°	1720.2	1557.9	1434.6	1336.6	1266.7	1210.6	1197.4
42.5°	1510.7	1343.0	1219.8	1135.9	1080.1	1041.5	1024.8
45°	1213.9	1069.8	967.9	903.6	860.6	832.6	819.9
47.5°	970.9	859.3	785.1	737.5	704.8	680.4	673.5
50°	837.6	748.4	685.7	645.5	620.7	602.0	594.3
52.5°	727.5	655.5	607.3	574.1	550.7	539.1	532.6
55°	600.4	538.2	503.5	477.1	463.9	454.5	450.1
57.5°	491.0	446.1	420.8	402.5	390.3	384.3	382.1
60°	429.7	394.5	371.5	357.1	348.9	341.2	339.0
62.5°	375.6	347.9	330.0	317.5	309.2	306.0	304.6
65°	302.6	284.5	271.3	263.6	257.0	255.8	255.4
67.5°	240.6	229.9	223.0	214.9	212.6	208.8	208.0
70°	205.8	198.7	190.4	187.7	184.9	181.1	181.6
72.5°	174.6	167.4	161.8	158.2	157.2	155.5	156.9
75°	127.7	125.5	123.3	120.5	119.4	119.4	118.9
77.5°	91.2	89.3	86.8	85.2	84.9	82.5	83.4
80°	66.0	63.3	62.2	62.7	61.1	60.5	60.5
82.5°	48.8	47.9	46.8	46.9	46.6	46.0	46.5
85°	27.0	26.4	26.4	25.8	25.8	25.3	25.3
87.5°	12.9	13.5	12.8	12.5	12.6	13.1	13.6
90°	16.0	16.9	17.6	18.2	18.8	19.2	19.8
92.5°	35.4	36.6	37.3	37.7	38.2	38.6	39.0
95°	67.4	68.7	69.5	70.0	70.3	70.7	71.0
97.5°	104.9	106.2	106.8	107.0	107.3	107.5	107.7
100°	131.3	133.0	134.0	134.4	134.8	135.1	135.5
102.5°	158.2	160.0	161.2	161.7	162.2	162.7	163.2
105°	200.7	201.9	202.7	203.3	203.7	204.3	204.9
107.5°	246.9	247.4	247.7	247.6	247.6	247.5	247.5
110°	279.2	279.8	280.0	279.8	279.6	279.4	279.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	311.4	311.6	311.6	311.3	311.0	310.6	310.3
115°	360.4	360.3	360.1	359.9	359.7	359.5	359.4
117.5°	410.3	410.5	410.2	409.4	408.7	408.0	407.2
120°	443.6	443.6	443.3	442.5	441.8	441.1	440.3
122.5°	476.2	476.1	475.7	475.2	474.5	473.9	473.4
125°	524.3	523.9	523.7	523.5	523.3	523.1	522.9
127.5°	572.4	572.3	572.0	571.6	571.3	570.9	570.5
130°	604.1	604.0	603.7	603.3	603.0	602.6	602.3
132.5°	634.5	634.4	634.1	633.5	633.0	632.5	631.9
135°	681.5	681.5	681.2	680.4	679.7	679.0	678.2
137.5°	727.3	727.5	727.2	726.3	725.4	724.4	723.5
140°	756.2	756.5	756.3	755.4	754.4	753.5	752.6
142.5°	784.2	784.4	784.0	783.1	782.2	781.3	780.3
145°	824.4	824.4	824.2	823.6	823.0	822.6	822.0
147.5°	862.4	862.9	862.5	861.3	860.0	858.8	857.5
150°	885.6	885.6	885.4	885.0	884.7	884.3	883.9
152.5°	908.1	908.5	908.4	907.8	907.1	906.4	905.7
155°	939.9	940.6	940.4	939.6	938.7	937.8	936.8
157.5°	967.1	967.8	967.6	966.4	965.2	963.9	962.8
160°	983.7	984.4	984.2	983.3	982.4	981.5	980.6
162.5°	999.2	1000.1	1000.0	999.0	997.9	996.9	995.8
165°	1019.9	1020.7	1020.5	1019.5	1018.3	1017.2	1016.1
167.5°	1035.8	1036.9	1036.9	1035.8	1034.6	1033.5	1032.3
170°	1045.1	1046.1	1046.0	1044.7	1043.5	1042.2	1040.9
172.5°	1051.7	1052.7	1052.7	1051.6	1050.4	1049.3	1048.1
175°	1059.1	1060.2	1060.1	1058.8	1057.5	1056.2	1054.9
177.5°	1062.3	1063.1	1063.0	1062.0	1060.9	1060.0	1058.9
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5

(END OF REPORT)