

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: P333652-840

Luminaire Tested: **S125RDIW-S375D1340U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333652-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S375D1340U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6892.9 lumens
Efficiency: N/A
Efficacy: 147.9 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: Semi-Indirect

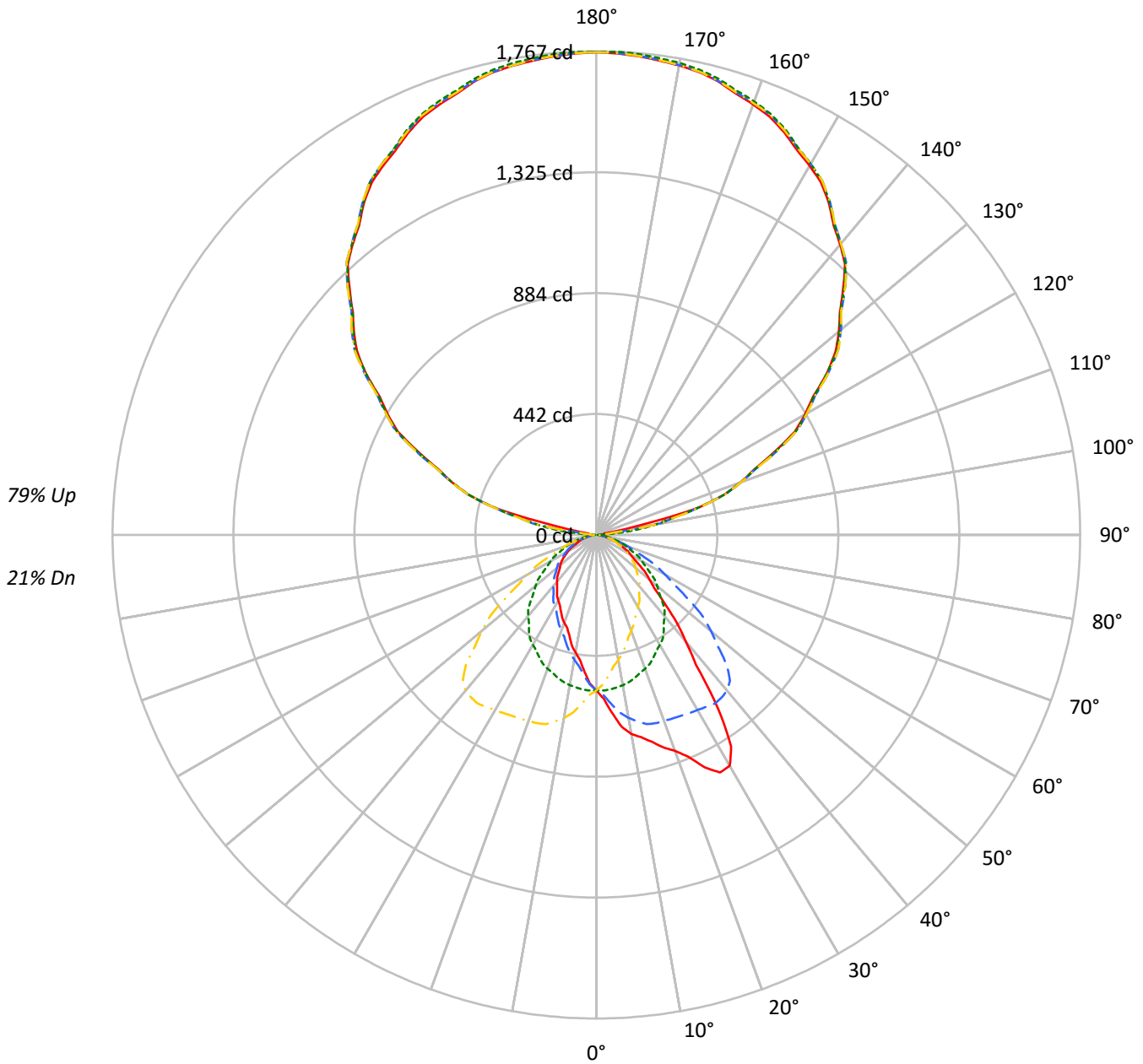
Input Watts (W): 46.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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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	100	100	100	100	89	89	89	89	67	67	67	48	48	48	30	30	30	21
1	92	87	84	81	81	78	75	72	59	57	55	42	41	40	27	26	25	18
2	83	77	71	66	74	68	63	59	52	49	46	37	35	34	24	23	22	16
3	76	67	60	55	67	60	54	50	46	42	39	33	31	29	21	20	19	13
4	70	60	52	46	61	53	47	42	41	36	33	29	27	24	19	17	16	12
5	64	53	45	40	56	47	41	36	36	32	28	26	23	21	17	15	14	10
6	59	47	40	34	52	42	36	31	33	28	25	24	21	18	15	14	12	9
7	54	43	35	30	48	38	32	27	30	25	22	22	18	16	14	12	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	29	23	19	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3672	3672	3672	3672
5°	4224	3676	3247	3676
10°	4845	3657	2865	3657
15°	5233	3620	2546	3620
20°	5770	3577	2351	3577
25°	6678	3518	2182	3518
30°	7267	3457	2071	3457
35°	6130	3387	1968	3387
40°	4281	3260	1881	3260
45°	3176	3088	1795	3088
50°	2533	2910	1721	2910
55°	2149	2688	1655	2688
60°	1856	2490	1550	2490
65°	1655	2275	1334	2275
70°	1456	2085	1216	2085
75°	1258	1804	1140	1804
80°	956	1517	956	1517
85°	793	1193	897	1193



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	0.8
10°-20°	159.7	2.3
20°-30°	253.3	3.7
30°-40°	305.4	4.4
40°-50°	272.8	4.0
50°-60°	209.2	3.0
60°-70°	135.9	2.0
70°-80°	66.1	1.0
80°-90°	19.4	0.3
90°-100°	64.1	0.9
100°-110°	395.0	5.7
110°-120°	716.5	10.4
120°-130°	919.5	13.3
130°-140°	989.0	14.3
140°-150°	928.3	13.5
150°-160°	750.9	10.9
160°-170°	485.7	7.0
170°-180°	167.5	2.4
0°-30°	467.5	6.8
0°-40°	773.0	11.2
0°-60°	1254.9	18.2
0°-90°	1476.4	21.4
90°-120°	1175.6	17.1
90°-150°	4012.4	58.2
90°-180°	5416.0	78.6
0°-180°	6892.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	652	567	501	567	652	65
15°	783	541	381	541	783	224
25°	937	494	306	494	937	430
35°	778	430	250	430	778	470
45°	348	338	196	338	348	277
55°	191	239	147	239	191	173
65°	108	149	87	149	108	108
75°	50	72	46	72	50	54
85°	11	16	12	16	11	13
90°	31	1	31	1	31	14
95°	28	74	28	74	28	23
105°	388	384	388	384	388	351
115°	716	722	716	722	716	711
125°	1026	1026	1026	1026	1026	913
135°	1275	1280	1275	1280	1275	984
145°	1480	1484	1480	1484	1480	925
155°	1623	1634	1623	1634	1623	748
165°	1716	1725	1716	1725	1716	484
175°	1756	1764	1756	1764	1756	167
180°	1764	1764	1764	1764	1764	



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CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	597.9	597.5	598.3	596.2	596.4	593.3	593.3	590.9	587.6	585.2	584.1
5°	651.5	652.0	651.1	647.5	645.2	641.7	637.7	630.8	624.9	619.2	614.9
7.5°	706.7	707.0	703.9	702.9	696.9	692.7	683.9	674.3	665.9	655.1	646.9
10°	738.8	738.5	735.3	732.7	727.6	721.0	712.4	701.3	690.7	679.0	667.8
12.5°	757.4	756.8	755.8	752.7	747.9	742.1	734.8	723.8	710.8	698.1	685.0
15°	782.6	781.0	778.0	774.0	767.2	760.4	752.3	742.6	730.1	715.7	703.6
17.5°	813.9	813.9	809.2	803.7	794.5	782.5	769.9	754.2	737.3	721.4	708.5
20°	839.6	838.9	834.2	823.4	812.9	798.0	783.6	764.2	743.7	722.9	706.8
22.5°	876.6	874.7	869.9	855.8	839.5	820.2	798.1	774.5	749.6	726.1	704.9
25°	937.2	935.7	926.1	909.8	887.0	857.3	828.4	796.0	760.2	729.2	703.6
27.5°	978.6	977.0	969.9	956.3	935.2	904.0	864.9	821.5	777.0	734.3	697.3
30°	974.4	978.0	977.0	970.7	954.8	926.9	890.7	841.9	788.9	738.8	694.7
32.5°	915.8	919.0	927.2	939.6	940.5	929.3	902.2	857.2	802.3	745.3	692.6
35°	777.5	781.7	797.6	822.5	855.3	882.5	888.1	863.8	814.6	753.3	689.5
37.5°	597.7	620.7	634.1	660.4	709.7	759.9	808.2	826.0	805.1	749.9	684.6
40°	507.8	513.3	537.1	566.8	608.3	660.6	729.4	779.1	780.7	742.6	676.7
42.5°	434.5	441.7	458.0	481.7	517.3	569.5	640.6	706.2	736.5	722.0	666.4
45°	347.7	353.0	365.0	383.1	410.4	453.6	514.7	590.6	650.8	674.4	638.9
47.5°	285.6	288.5	298.8	312.8	333.0	364.4	411.7	477.6	549.8	600.4	595.4
50°	252.1	255.3	263.2	273.7	290.7	317.3	355.2	410.0	484.4	546.2	558.7
52.5°	225.9	228.6	233.6	243.5	257.5	277.9	308.5	358.1	425.1	490.8	519.5
55°	190.9	192.8	196.7	202.3	213.5	228.2	254.6	288.9	343.1	409.3	451.3
57.5°	162.1	163.0	165.5	170.7	178.4	189.1	208.2	237.2	276.1	335.8	382.1
60°	143.7	144.7	147.9	151.5	157.5	167.3	182.3	202.6	239.8	289.1	336.0
62.5°	129.2	129.8	131.2	134.6	140.0	147.5	159.3	175.8	205.5	248.8	293.1
65°	108.3	108.5	109.0	111.8	115.0	120.7	128.4	140.0	162.4	195.1	234.3
67.5°	88.2	88.6	90.2	91.2	94.5	97.5	102.0	110.9	126.7	148.8	179.3
70°	77.1	76.7	78.4	79.6	80.7	84.2	87.3	94.5	104.3	121.1	146.5
72.5°	66.6	65.9	66.7	67.1	68.6	71.0	74.0	78.5	86.0	97.6	117.0
75°	50.4	50.6	50.6	51.1	52.3	53.2	54.1	56.5	60.7	68.4	78.9
77.5°	35.3	35.0	36.0	36.2	36.9	37.9	38.7	39.6	41.3	44.4	49.9
80°	25.7	25.7	25.9	26.6	26.4	26.9	28.0	29.0	31.0	32.9	34.7
82.5°	19.7	19.5	19.7	19.9	19.8	20.3	20.7	20.9	21.7	22.6	23.9
85°	10.7	10.7	11.0	11.0	11.2	11.2	11.4	11.4	11.4	11.7	11.9
87.5°	10.4	10.0	9.7	9.5	9.5	9.6	9.2	8.7	8.4	8.1	7.9
90°	31.4	30.5	29.6	28.8	27.9	26.8	25.2	23.8	22.4	20.9	18.9
92.5°	29.3	28.9	28.5	28.1	27.7	26.8	25.2	23.8	22.4	20.9	19.1
95°	27.5	27.5	27.5	27.5	27.5	26.8	25.2	23.8	22.4	20.9	31.9
97.5°	27.5	27.5	27.5	27.5	27.5	31.5	39.8	48.0	56.1	64.3	86.1
100°	27.5	28.6	29.8	30.9	32.1	54.3	97.7	140.9	184.2	227.5	226.3
102.5°	164.5	184.2	204.0	223.8	243.5	257.5	265.7	273.9	282.1	290.2	289.5
105°	388.3	388.6	388.9	389.2	389.5	389.6	389.6	389.6	389.6	389.6	389.6
107.5°	489.6	490.4	491.3	492.1	493.0	493.4	493.4	493.3	493.2	493.2	492.6
110°	559.7	559.4	559.1	558.8	558.5	558.8	559.7	560.5	561.4	562.2	561.7



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	622.4	622.8	623.2	623.6	624.0	624.8	625.9	626.9	628.0	629.1	628.8
115°	716.5	718.2	720.0	721.8	723.5	725.0	726.1	727.3	728.4	729.6	729.3
117.5°	817.0	817.7	818.5	819.2	819.9	821.1	822.6	824.2	825.7	827.2	826.1
120°	878.7	880.1	881.5	883.0	884.4	885.4	886.1	886.7	887.3	887.8	887.0
122.5°	937.3	938.9	940.6	942.3	943.9	945.1	945.6	946.2	946.8	947.5	947.1
125°	1026.4	1027.2	1028.1	1029.1	1029.9	1030.9	1032.1	1033.2	1034.4	1035.5	1035.5
127.5°	1101.5	1103.6	1105.8	1107.9	1110.0	1111.5	1112.1	1112.8	1113.4	1114.0	1114.2
130°	1155.9	1157.3	1158.7	1160.2	1161.6	1162.9	1163.7	1164.6	1165.5	1166.3	1166.0
132.5°	1206.1	1207.5	1209.0	1210.4	1211.8	1212.6	1212.8	1213.0	1213.3	1213.4	1214.1
135°	1274.9	1276.6	1278.3	1280.1	1281.8	1282.9	1283.5	1284.1	1284.8	1285.3	1285.9
137.5°	1343.8	1345.3	1346.9	1348.4	1349.9	1350.6	1350.5	1350.4	1350.3	1350.2	1350.7
140°	1384.6	1386.4	1388.2	1389.9	1391.6	1392.2	1391.6	1391.1	1390.5	1389.9	1390.2
142.5°	1423.4	1425.1	1426.8	1428.6	1430.4	1431.2	1431.1	1430.9	1430.8	1430.7	1430.3
145°	1480.2	1481.9	1483.6	1485.3	1487.1	1487.8	1487.5	1487.2	1486.9	1486.6	1486.6
147.5°	1526.9	1529.0	1531.1	1533.2	1535.3	1536.2	1535.8	1535.5	1535.1	1534.8	1534.4
150°	1557.2	1559.5	1561.9	1564.2	1566.5	1567.4	1566.8	1566.3	1565.7	1565.1	1564.5
152.5°	1585.5	1587.6	1589.7	1591.7	1593.9	1594.6	1594.1	1593.5	1592.9	1592.3	1591.7
155°	1622.7	1625.0	1627.3	1629.6	1631.9	1632.6	1631.7	1630.9	1630.0	1629.2	1628.6
157.5°	1653.8	1656.1	1658.4	1660.7	1663.0	1663.8	1662.8	1661.9	1660.9	1660.0	1660.0
160°	1673.6	1676.0	1678.3	1680.6	1682.9	1683.5	1682.3	1681.2	1680.0	1678.9	1678.6
162.5°	1691.4	1693.9	1696.5	1699.1	1701.6	1702.1	1700.5	1698.8	1697.2	1695.6	1695.3
165°	1715.5	1717.8	1720.1	1722.4	1724.7	1725.1	1723.3	1721.5	1719.8	1718.1	1717.8
167.5°	1732.2	1734.8	1737.5	1740.0	1742.6	1742.9	1740.8	1738.8	1736.7	1734.5	1734.2
170°	1741.6	1744.2	1746.9	1749.5	1752.1	1752.2	1749.9	1747.6	1745.2	1742.9	1742.6
172.5°	1747.9	1750.5	1753.1	1755.8	1758.4	1758.6	1756.6	1754.4	1752.3	1750.2	1749.7
175°	1756.0	1758.6	1761.2	1763.8	1766.5	1766.6	1764.2	1761.9	1759.6	1757.3	1757.1
177.5°	1760.7	1762.5	1764.4	1766.3	1768.2	1768.3	1766.7	1765.0	1763.4	1761.7	1761.5
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	584.1	582.8	580.4	578.1	575.3	572.9	571.2	569.2	566.5	563.4	560.8
5°	610.0	604.8	598.0	592.2	584.7	579.0	572.9	567.0	561.2	553.7	547.1
7.5°	638.6	628.0	617.7	604.7	593.0	582.5	572.4	562.2	552.2	541.6	531.4
10°	656.2	643.3	629.1	612.8	597.8	583.6	570.6	557.6	544.1	532.3	519.5
12.5°	672.6	656.0	639.7	619.1	601.2	583.8	567.1	551.2	536.7	521.3	507.5
15°	687.4	671.1	652.9	627.7	602.7	581.7	562.1	541.4	523.4	506.1	490.7
17.5°	693.2	676.0	654.9	630.7	603.4	576.9	551.7	529.0	507.8	487.7	470.4
20°	690.9	674.4	652.7	629.5	600.4	572.9	545.5	520.4	496.8	475.5	457.2
22.5°	685.5	668.4	647.4	623.0	595.3	566.1	536.9	510.1	485.4	463.4	443.3
25°	677.4	654.1	632.6	608.7	582.4	553.5	523.4	493.7	467.4	444.9	423.0
27.5°	668.9	639.9	612.5	588.9	561.0	535.2	506.1	475.7	448.1	425.3	402.7
30°	661.3	628.6	598.5	571.7	545.3	520.8	493.3	463.6	435.2	411.6	388.8
32.5°	651.8	617.0	584.0	553.0	527.6	503.3	478.4	450.0	422.3	398.0	374.8
35°	639.9	595.5	559.6	526.6	498.5	474.8	452.4	429.6	401.8	376.6	354.0
37.5°	624.2	573.8	532.3	496.4	466.7	443.0	425.3	404.3	379.0	355.0	334.0
40°	614.6	558.2	512.7	477.2	446.0	420.9	404.3	386.7	363.6	340.9	319.9
42.5°	602.0	543.8	492.9	456.0	424.4	400.4	383.6	368.2	348.8	327.5	305.0
45°	577.0	515.9	462.5	422.8	391.1	367.5	351.8	338.1	323.5	303.8	284.2
47.5°	544.7	486.9	430.9	387.6	356.6	334.7	319.5	308.6	298.1	281.4	262.5
50°	518.8	462.9	408.4	366.4	333.3	312.5	298.2	289.6	280.0	264.9	248.9
52.5°	488.1	438.3	384.9	341.9	310.6	291.1	277.5	268.8	260.9	248.6	233.5
55°	439.9	396.2	347.2	308.2	279.5	259.9	246.9	238.7	234.1	223.6	211.7
57.5°	384.2	352.9	309.7	272.2	246.7	227.4	217.8	210.9	205.6	198.1	189.8
60°	345.4	323.5	284.7	248.9	225.6	207.2	198.5	192.8	187.8	181.6	175.0
62.5°	306.0	290.0	256.3	225.6	204.2	188.7	180.7	175.4	169.8	165.5	159.2
65°	253.2	238.9	215.6	191.6	171.8	159.4	153.5	148.9	145.4	140.7	136.2
67.5°	196.9	191.2	175.0	158.4	144.2	133.2	128.2	124.9	120.8	118.0	114.9
70°	162.4	159.6	148.1	137.2	123.9	116.4	111.8	110.4	105.2	102.4	100.4
72.5°	131.8	130.5	123.9	116.3	106.9	100.4	96.1	94.5	91.2	89.0	87.7
75°	90.3	90.8	89.6	84.7	81.2	77.1	73.3	72.3	70.0	68.2	67.0
77.5°	57.2	59.5	59.6	59.4	58.0	55.4	53.8	53.1	50.9	50.2	49.9
80°	39.2	41.8	44.1	43.8	43.4	42.7	41.5	40.8	39.7	39.0	38.5
82.5°	26.2	28.5	30.5	31.7	31.6	30.9	30.2	29.8	29.6	29.1	29.0
85°	12.3	12.8	13.5	15.1	16.4	16.6	16.4	16.1	15.5	15.7	15.9
87.5°	7.7	7.3	7.1	6.6	6.0	6.5	6.5	6.3	6.4	6.5	6.5
90°	16.9	14.8	12.8	10.6	8.3	6.0	3.6	1.3	3.6	6.0	8.3
92.5°	17.3	15.6	13.7	13.6	15.2	16.9	18.5	20.1	18.5	16.9	15.2
95°	43.0	54.0	65.0	71.0	71.9	72.8	73.6	74.5	73.6	72.8	71.9
97.5°	108.1	129.9	151.7	161.9	160.3	158.8	157.1	155.6	157.1	158.8	160.3
100°	225.2	224.0	222.9	221.9	221.0	220.0	219.2	218.3	219.2	220.0	221.0
102.5°	288.9	288.2	287.5	286.6	285.5	284.4	283.3	282.2	283.3	284.4	285.5
105°	389.6	389.6	389.6	389.1	387.9	386.8	385.6	384.5	385.6	386.8	387.9
107.5°	492.0	491.5	490.9	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6
110°	561.1	560.5	559.9	559.7	559.7	559.7	559.7	559.7	559.7	559.7	559.7



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	628.4	628.1	627.8	627.2	626.5	625.9	625.2	624.5	625.2	625.9	626.5
115°	729.0	728.7	728.4	727.6	726.1	724.7	723.2	721.8	723.2	724.7	726.1
117.5°	825.0	823.8	822.7	822.2	822.2	822.3	822.3	822.4	822.3	822.3	822.2
120°	886.1	885.1	884.3	884.0	884.3	884.6	884.9	885.1	884.9	884.6	884.3
122.5°	946.6	946.2	945.8	945.0	943.9	942.8	941.7	940.6	941.7	942.8	943.9
125°	1035.5	1035.5	1035.5	1034.5	1032.5	1030.5	1028.4	1026.4	1028.4	1030.5	1032.5
127.5°	1114.4	1114.5	1114.7	1114.1	1112.6	1111.2	1109.7	1108.2	1109.7	1111.2	1112.6
130°	1165.7	1165.5	1165.2	1164.3	1162.9	1161.3	1159.9	1158.4	1159.9	1161.3	1162.9
132.5°	1214.7	1215.3	1216.0	1215.4	1213.8	1212.0	1210.3	1208.7	1210.3	1212.0	1213.8
135°	1286.5	1287.1	1287.6	1287.1	1285.3	1283.5	1281.8	1280.1	1281.8	1283.5	1285.3
137.5°	1351.2	1351.7	1352.2	1351.7	1350.2	1348.7	1347.2	1345.7	1347.2	1348.7	1350.2
140°	1390.5	1390.8	1391.1	1390.9	1390.3	1389.8	1389.2	1388.6	1389.2	1389.8	1390.3
142.5°	1429.9	1429.5	1429.1	1428.7	1428.4	1427.9	1427.6	1427.2	1427.6	1427.9	1428.4
145°	1486.6	1486.6	1486.6	1486.3	1485.8	1485.2	1484.6	1484.0	1484.6	1485.2	1485.8
147.5°	1534.1	1533.7	1533.4	1533.3	1533.4	1533.5	1533.6	1533.7	1533.6	1533.5	1533.4
150°	1564.0	1563.4	1562.8	1562.8	1563.4	1564.0	1564.5	1565.1	1564.5	1564.0	1563.4
152.5°	1591.1	1590.5	1589.9	1590.3	1591.6	1592.9	1594.2	1595.4	1594.2	1592.9	1591.6
155°	1628.0	1627.4	1626.9	1627.4	1629.2	1630.9	1632.6	1634.4	1632.6	1630.9	1629.2
157.5°	1659.9	1659.8	1659.8	1660.3	1661.3	1662.3	1663.4	1664.5	1663.4	1662.3	1661.3
160°	1678.3	1678.0	1677.7	1678.4	1680.1	1681.9	1683.6	1685.4	1683.6	1681.9	1680.1
162.5°	1695.1	1694.8	1694.5	1695.2	1696.9	1698.6	1700.4	1702.1	1700.4	1698.6	1696.9
165°	1717.5	1717.2	1716.9	1717.7	1719.4	1721.1	1722.8	1724.6	1722.8	1721.1	1719.4
167.5°	1733.9	1733.6	1733.4	1734.1	1736.0	1737.8	1739.6	1741.3	1739.6	1737.8	1736.0
170°	1742.3	1742.0	1741.7	1742.6	1744.6	1746.7	1748.8	1750.8	1748.8	1746.7	1744.6
172.5°	1749.2	1748.7	1748.2	1748.9	1750.9	1753.0	1755.0	1757.1	1755.0	1753.0	1750.9
175°	1756.8	1756.5	1756.2	1756.9	1758.6	1760.4	1762.1	1763.8	1762.1	1760.4	1758.6
177.5°	1761.3	1761.1	1760.8	1761.4	1762.8	1764.2	1765.5	1767.0	1765.5	1764.2	1762.8
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	558.9	556.3	554.4	550.7	548.1	546.9	544.9	544.3	546.4	544.9	544.7
5°	542.3	535.5	530.2	524.8	519.0	515.2	509.6	508.7	507.3	505.2	504.7
7.5°	522.4	513.5	506.6	497.8	490.1	483.8	476.9	473.5	471.7	469.0	465.3
10°	509.0	498.5	489.1	480.2	470.7	462.9	456.0	450.6	447.1	443.8	442.4
12.5°	495.6	484.9	473.0	462.3	451.6	443.0	435.3	431.7	427.9	424.0	420.8
15°	475.0	460.9	447.8	435.5	426.4	417.0	409.5	404.3	398.6	396.9	390.6
17.5°	453.2	439.3	423.9	411.0	400.4	390.1	381.9	376.1	371.7	365.7	362.8
20°	439.6	423.0	408.1	396.2	384.6	372.4	364.1	359.1	355.0	350.0	347.7
22.5°	425.1	408.9	393.5	379.6	367.8	355.8	349.8	344.8	340.0	335.5	332.3
25°	403.6	387.4	371.2	356.8	344.5	335.8	328.8	323.0	320.4	316.0	312.7
27.5°	382.5	365.2	348.5	334.1	324.4	315.8	310.0	305.5	300.8	297.0	294.1
30°	368.9	351.2	333.0	321.5	311.2	303.2	296.8	292.4	288.9	285.4	283.3
32.5°	355.3	337.0	320.8	308.5	298.8	291.8	285.3	280.9	277.3	273.5	270.9
35°	333.5	314.8	301.7	289.6	280.0	273.5	269.0	263.0	259.9	257.1	254.6
37.5°	313.2	295.8	281.7	271.0	262.7	256.2	250.4	247.2	243.5	241.0	238.8
40°	298.2	282.4	269.5	258.3	252.3	245.0	239.6	235.4	232.7	229.3	227.0
42.5°	284.8	270.0	257.5	247.5	239.9	233.8	228.6	224.4	220.9	218.5	216.6
45°	265.8	251.1	238.9	229.6	222.6	216.8	211.4	209.3	204.6	201.9	200.9
47.5°	246.1	233.0	221.3	212.7	205.5	200.0	194.9	190.7	188.0	185.3	183.8
50°	232.9	220.3	209.3	200.9	193.9	187.8	183.2	180.4	176.8	174.3	172.5
52.5°	219.6	207.9	197.0	188.9	182.9	176.8	171.6	168.8	165.5	163.9	162.6
55°	200.7	188.3	178.9	171.1	164.7	159.2	154.2	151.5	149.4	147.7	147.2
57.5°	179.3	169.5	160.8	153.6	147.0	141.8	137.4	134.8	133.0	132.7	131.3
60°	165.2	156.3	148.5	140.7	135.1	130.2	126.4	123.4	121.6	121.4	120.9
62.5°	151.2	142.7	135.3	128.6	123.5	118.9	115.2	111.9	110.8	109.6	108.6
65°	130.5	122.7	116.6	111.3	105.9	102.0	98.5	96.3	93.8	92.4	89.9
67.5°	110.1	104.1	98.3	93.7	89.5	85.7	82.8	79.7	78.0	76.9	75.0
70°	96.6	91.9	86.1	81.2	78.0	74.9	72.6	69.1	67.9	67.0	66.0
72.5°	83.9	79.8	74.9	70.9	67.7	64.8	62.1	60.5	59.3	58.4	57.9
75°	66.0	62.1	57.9	55.0	52.7	50.4	49.0	47.9	47.4	47.2	46.3
77.5°	48.5	46.4	43.0	40.8	39.3	38.3	37.1	36.5	36.4	35.3	35.0
80°	37.1	36.0	33.1	32.2	31.0	30.1	29.4	28.3	27.1	26.6	25.9
82.5°	27.6	26.5	25.2	23.8	22.8	22.2	21.6	21.1	21.3	20.6	20.3
85°	14.7	13.5	13.0	12.8	12.3	12.8	12.6	12.3	12.1	11.9	12.1
87.5°	6.8	7.3	7.5	8.2	8.1	8.7	9.0	9.1	9.4	9.6	9.7
90°	10.6	12.8	14.8	16.9	18.9	20.9	22.4	23.8	25.2	26.8	27.9
92.5°	13.6	13.7	15.6	17.3	19.1	20.9	22.4	23.8	25.2	26.8	27.7
95°	71.0	65.0	54.0	43.0	31.9	20.9	22.4	23.8	25.2	26.8	27.5
97.5°	161.9	151.7	129.9	108.1	86.1	64.3	56.1	48.0	39.8	31.5	27.5
100°	221.9	222.9	224.0	225.2	226.3	227.5	184.2	140.9	97.7	54.3	32.1
102.5°	286.6	287.5	288.2	288.9	289.5	290.2	282.1	273.9	265.7	257.5	243.5
105°	389.1	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.5
107.5°	490.6	490.9	491.5	492.0	492.6	493.2	493.2	493.3	493.4	493.4	493.0
110°	559.7	559.9	560.5	561.1	561.7	562.2	561.4	560.5	559.7	558.8	558.5



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	627.2	627.8	628.1	628.4	628.8	629.1	628.0	626.9	625.9	624.8	624.0
115°	727.6	728.4	728.7	729.0	729.3	729.6	728.4	727.3	726.1	725.0	723.5
117.5°	822.2	822.7	823.8	825.0	826.1	827.2	825.7	824.2	822.6	821.1	819.9
120°	884.0	884.3	885.1	886.1	887.0	887.8	887.3	886.7	886.1	885.4	884.4
122.5°	945.0	945.8	946.2	946.6	947.1	947.5	946.8	946.2	945.6	945.1	943.9
125°	1034.5	1035.5	1035.5	1035.5	1035.5	1035.5	1034.4	1033.2	1032.1	1030.9	1029.9
127.5°	1114.1	1114.7	1114.5	1114.4	1114.2	1114.0	1113.4	1112.8	1112.1	1111.5	1110.0
130°	1164.3	1165.2	1165.5	1165.7	1166.0	1166.3	1165.5	1164.6	1163.7	1162.9	1161.6
132.5°	1215.4	1216.0	1215.3	1214.7	1214.1	1213.4	1213.3	1213.0	1212.8	1212.6	1211.8
135°	1287.1	1287.6	1287.1	1286.5	1285.9	1285.3	1284.8	1284.1	1283.5	1282.9	1281.8
137.5°	1351.7	1352.2	1351.7	1351.2	1350.7	1350.2	1350.3	1350.4	1350.5	1350.6	1349.9
140°	1390.9	1391.1	1390.8	1390.5	1390.2	1389.9	1390.5	1391.1	1391.6	1392.2	1391.6
142.5°	1428.7	1429.1	1429.5	1429.9	1430.3	1430.7	1430.8	1430.9	1431.1	1431.2	1430.4
145°	1486.3	1486.6	1486.6	1486.6	1486.6	1486.6	1486.9	1487.2	1487.5	1487.8	1487.1
147.5°	1533.3	1533.4	1533.7	1534.1	1534.4	1534.8	1535.1	1535.5	1535.8	1536.2	1535.3
150°	1562.8	1562.8	1563.4	1564.0	1564.5	1565.1	1565.7	1566.3	1566.8	1567.4	1566.5
152.5°	1590.3	1589.9	1590.5	1591.1	1591.7	1592.3	1592.9	1593.5	1594.1	1594.6	1593.9
155°	1627.4	1626.9	1627.4	1628.0	1628.6	1629.2	1630.0	1630.9	1631.7	1632.6	1631.9
157.5°	1660.3	1659.8	1659.8	1659.9	1660.0	1660.0	1660.9	1661.9	1662.8	1663.8	1663.0
160°	1678.4	1677.7	1678.0	1678.3	1678.6	1678.9	1680.0	1681.2	1682.3	1683.5	1682.9
162.5°	1695.2	1694.5	1694.8	1695.1	1695.3	1695.6	1697.2	1698.8	1700.5	1702.1	1701.6
165°	1717.7	1716.9	1717.2	1717.5	1717.8	1718.1	1719.8	1721.5	1723.3	1725.1	1724.7
167.5°	1734.1	1733.4	1733.6	1733.9	1734.2	1734.5	1736.7	1738.8	1740.8	1742.9	1742.6
170°	1742.6	1741.7	1742.0	1742.3	1742.6	1742.9	1745.2	1747.6	1749.9	1752.2	1752.1
172.5°	1748.9	1748.2	1748.7	1749.2	1749.7	1750.2	1752.3	1754.4	1756.6	1758.6	1758.4
175°	1756.9	1756.2	1756.5	1756.8	1757.1	1757.3	1759.6	1761.9	1764.2	1766.6	1766.5
177.5°	1761.4	1760.8	1761.1	1761.3	1761.5	1761.7	1763.4	1765.0	1766.7	1768.3	1768.2
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.5	542.5	541.9	542.7	541.9	542.5	544.5	544.7	544.9	546.4	544.3
5°	502.4	500.1	501.2	500.8	501.2	500.1	502.4	504.7	505.2	507.3	508.7
7.5°	465.3	462.4	459.4	460.3	459.4	462.4	465.3	465.3	469.0	471.7	473.5
10°	439.4	437.1	435.7	436.9	435.7	437.1	439.4	442.4	443.8	447.1	450.6
12.5°	417.6	416.2	415.0	414.4	415.0	416.2	417.6	420.8	424.0	427.9	431.7
15°	387.8	385.1	383.8	380.8	383.8	385.1	387.8	390.6	396.9	398.6	404.3
17.5°	360.4	359.5	356.5	355.2	356.5	359.5	360.4	362.8	365.7	371.7	376.1
20°	344.2	343.3	340.2	342.0	340.2	343.3	344.2	347.7	350.0	355.0	359.1
22.5°	330.7	328.7	327.7	327.2	327.7	328.7	330.7	332.3	335.5	340.0	344.8
25°	311.7	308.7	307.5	306.2	307.5	308.7	311.7	312.7	316.0	320.4	323.0
27.5°	292.8	291.1	289.6	289.2	289.6	291.1	292.8	294.1	297.0	300.8	305.5
30°	280.4	278.8	277.7	277.7	277.7	278.8	280.4	283.3	285.4	288.9	292.4
32.5°	269.4	268.2	267.0	266.8	267.0	268.2	269.4	270.9	273.5	277.3	280.9
35°	253.4	251.6	251.1	249.6	251.1	251.6	253.4	254.6	257.1	259.9	263.0
37.5°	236.7	235.2	235.2	235.0	235.2	235.2	236.7	238.8	241.0	243.5	247.2
40°	226.1	224.9	224.7	223.1	224.7	224.9	226.1	227.0	229.3	232.7	235.4
42.5°	214.7	214.1	213.3	212.6	213.3	214.1	214.7	216.6	218.5	220.9	224.4
45°	199.2	197.6	197.6	196.5	197.6	197.6	199.2	200.9	201.9	204.6	209.3
47.5°	183.3	182.1	182.2	181.0	182.2	182.1	183.3	183.8	185.3	188.0	190.7
50°	172.7	172.0	171.8	171.3	171.8	172.0	172.7	172.5	174.3	176.8	180.4
52.5°	162.1	161.7	162.6	161.6	162.6	161.7	162.1	162.6	163.9	165.5	168.8
55°	147.7	147.0	148.5	147.0	148.5	147.0	147.7	147.2	147.7	149.4	151.5
57.5°	131.3	130.6	131.9	131.2	131.9	130.6	131.3	131.3	132.7	133.0	134.8
60°	120.4	119.0	119.7	120.0	119.7	119.0	120.4	120.9	121.4	121.6	123.4
62.5°	107.6	106.6	107.2	106.1	107.2	106.6	107.6	108.6	109.6	110.8	111.9
65°	89.4	88.7	87.8	87.3	87.8	88.7	89.4	89.9	92.4	93.8	96.3
67.5°	75.1	73.4	73.3	73.7	73.3	73.4	75.1	75.0	76.9	78.0	79.7
70°	64.6	64.6	64.4	64.4	64.4	64.6	64.6	66.0	67.0	67.9	69.1
72.5°	57.4	57.2	56.8	56.6	56.8	57.2	57.4	57.9	58.4	59.3	60.5
75°	46.3	46.5	45.9	45.7	45.9	46.5	46.3	46.3	47.2	47.4	47.9
77.5°	34.1	33.1	33.6	33.1	33.6	33.1	34.1	35.0	35.3	36.4	36.5
80°	25.9	25.7	26.4	25.7	26.4	25.7	25.9	25.9	26.6	27.1	28.3
82.5°	20.5	20.3	20.6	20.1	20.6	20.3	20.5	20.3	20.6	21.3	21.1
85°	12.3	12.1	11.9	12.1	11.9	12.1	12.3	12.1	11.9	12.1	12.3
87.5°	10.0	10.0	10.2	10.4	10.2	10.0	10.0	9.7	9.6	9.4	9.1
90°	28.8	29.6	30.5	31.4	30.5	29.6	28.8	27.9	26.8	25.2	23.8
92.5°	28.1	28.5	28.9	29.3	28.9	28.5	28.1	27.7	26.8	25.2	23.8
95°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	26.8	25.2	23.8
97.5°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	31.5	39.8	48.0
100°	30.9	29.8	28.6	27.5	28.6	29.8	30.9	32.1	54.3	97.7	140.9
102.5°	223.8	204.0	184.2	164.5	184.2	204.0	223.8	243.5	257.5	265.7	273.9
105°	389.2	388.9	388.6	388.3	388.6	388.9	389.2	389.5	389.6	389.6	389.6
107.5°	492.1	491.3	490.4	489.6	490.4	491.3	492.1	493.0	493.4	493.4	493.3
110°	558.8	559.1	559.4	559.7	559.4	559.1	558.8	558.5	558.8	559.7	560.5



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	623.6	623.2	622.8	622.4	622.8	623.2	623.6	624.0	624.8	625.9	626.9
115°	721.8	720.0	718.2	716.5	718.2	720.0	721.8	723.5	725.0	726.1	727.3
117.5°	819.2	818.5	817.7	817.0	817.7	818.5	819.2	819.9	821.1	822.6	824.2
120°	883.0	881.5	880.1	878.7	880.1	881.5	883.0	884.4	885.4	886.1	886.7
122.5°	942.3	940.6	938.9	937.3	938.9	940.6	942.3	943.9	945.1	945.6	946.2
125°	1029.1	1028.1	1027.2	1026.4	1027.2	1028.1	1029.1	1029.9	1030.9	1032.1	1033.2
127.5°	1107.9	1105.8	1103.6	1101.5	1103.6	1105.8	1107.9	1110.0	1111.5	1112.1	1112.8
130°	1160.2	1158.7	1157.3	1155.9	1157.3	1158.7	1160.2	1161.6	1162.9	1163.7	1164.6
132.5°	1210.4	1209.0	1207.5	1206.1	1207.5	1209.0	1210.4	1211.8	1212.6	1212.8	1213.0
135°	1280.1	1278.3	1276.6	1274.9	1276.6	1278.3	1280.1	1281.8	1282.9	1283.5	1284.1
137.5°	1348.4	1346.9	1345.3	1343.8	1345.3	1346.9	1348.4	1349.9	1350.6	1350.5	1350.4
140°	1389.9	1388.2	1386.4	1384.6	1386.4	1388.2	1389.9	1391.6	1392.2	1391.6	1391.1
142.5°	1428.6	1426.8	1425.1	1423.4	1425.1	1426.8	1428.6	1430.4	1431.2	1431.1	1430.9
145°	1485.3	1483.6	1481.9	1480.2	1481.9	1483.6	1485.3	1487.1	1487.8	1487.5	1487.2
147.5°	1533.2	1531.1	1529.0	1526.9	1529.0	1531.1	1533.2	1535.3	1536.2	1535.8	1535.5
150°	1564.2	1561.9	1559.5	1557.2	1559.5	1561.9	1564.2	1566.5	1567.4	1566.8	1566.3
152.5°	1591.7	1589.7	1587.6	1585.5	1587.6	1589.7	1591.7	1593.9	1594.6	1594.1	1593.5
155°	1629.6	1627.3	1625.0	1622.7	1625.0	1627.3	1629.6	1631.9	1632.6	1631.7	1630.9
157.5°	1660.7	1658.4	1656.1	1653.8	1656.1	1658.4	1660.7	1663.0	1663.8	1662.8	1661.9
160°	1680.6	1678.3	1676.0	1673.6	1676.0	1678.3	1680.6	1682.9	1683.5	1682.3	1681.2
162.5°	1699.1	1696.5	1693.9	1691.4	1693.9	1696.5	1699.1	1701.6	1702.1	1700.5	1698.8
165°	1722.4	1720.1	1717.8	1715.5	1717.8	1720.1	1722.4	1724.7	1725.1	1723.3	1721.5
167.5°	1740.0	1737.5	1734.8	1732.2	1734.8	1737.5	1740.0	1742.6	1742.9	1740.8	1738.8
170°	1749.5	1746.9	1744.2	1741.6	1744.2	1746.9	1749.5	1752.1	1752.2	1749.9	1747.6
172.5°	1755.8	1753.1	1750.5	1747.9	1750.5	1753.1	1755.8	1758.4	1758.6	1756.6	1754.4
175°	1763.8	1761.2	1758.6	1756.0	1758.6	1761.2	1763.8	1766.5	1766.6	1764.2	1761.9
177.5°	1766.3	1764.4	1762.5	1760.7	1762.5	1764.4	1766.3	1768.2	1768.3	1766.7	1765.0
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.9	546.9	548.1	550.7	554.4	556.3	558.9	560.8	563.4	566.5	569.2
5°	509.6	515.2	519.0	524.8	530.2	535.5	542.3	547.1	553.7	561.2	567.0
7.5°	476.9	483.8	490.1	497.8	506.6	513.5	522.4	531.4	541.6	552.2	562.2
10°	456.0	462.9	470.7	480.2	489.1	498.5	509.0	519.5	532.3	544.1	557.6
12.5°	435.3	443.0	451.6	462.3	473.0	484.9	495.6	507.5	521.3	536.7	551.2
15°	409.5	417.0	426.4	435.5	447.8	460.9	475.0	490.7	506.1	523.4	541.4
17.5°	381.9	390.1	400.4	411.0	423.9	439.3	453.2	470.4	487.7	507.8	529.0
20°	364.1	372.4	384.6	396.2	408.1	423.0	439.6	457.2	475.5	496.8	520.4
22.5°	349.8	355.8	367.8	379.6	393.5	408.9	425.1	443.3	463.4	485.4	510.1
25°	328.8	335.8	344.5	356.8	371.2	387.4	403.6	423.0	444.9	467.4	493.7
27.5°	310.0	315.8	324.4	334.1	348.5	365.2	382.5	402.7	425.3	448.1	475.7
30°	296.8	303.2	311.2	321.5	333.0	351.2	368.9	388.8	411.6	435.2	463.6
32.5°	285.3	291.8	298.8	308.5	320.8	337.0	355.3	374.8	398.0	422.3	450.0
35°	269.0	273.5	280.0	289.6	301.7	314.8	333.5	354.0	376.6	401.8	429.6
37.5°	250.4	256.2	262.7	271.0	281.7	295.8	313.2	334.0	355.0	379.0	404.3
40°	239.6	245.0	252.3	258.3	269.5	282.4	298.2	319.9	340.9	363.6	386.7
42.5°	228.6	233.8	239.9	247.5	257.5	270.0	284.8	305.0	327.5	348.8	368.2
45°	211.4	216.8	222.6	229.6	238.9	251.1	265.8	284.2	303.8	323.5	338.1
47.5°	194.9	200.0	205.5	212.7	221.3	233.0	246.1	262.5	281.4	298.1	308.6
50°	183.2	187.8	193.9	200.9	209.3	220.3	232.9	248.9	264.9	280.0	289.6
52.5°	171.6	176.8	182.9	188.9	197.0	207.9	219.6	233.5	248.6	260.9	268.8
55°	154.2	159.2	164.7	171.1	178.9	188.3	200.7	211.7	223.6	234.1	238.7
57.5°	137.4	141.8	147.0	153.6	160.8	169.5	179.3	189.8	198.1	205.6	210.9
60°	126.4	130.2	135.1	140.7	148.5	156.3	165.2	175.0	181.6	187.8	192.8
62.5°	115.2	118.9	123.5	128.6	135.3	142.7	151.2	159.2	165.5	169.8	175.4
65°	98.5	102.0	105.9	111.3	116.6	122.7	130.5	136.2	140.7	145.4	148.9
67.5°	82.8	85.7	89.5	93.7	98.3	104.1	110.1	114.9	118.0	120.8	124.9
70°	72.6	74.9	78.0	81.2	86.1	91.9	96.6	100.4	102.4	105.2	110.4
72.5°	62.1	64.8	67.7	70.9	74.9	79.8	83.9	87.7	89.0	91.2	94.5
75°	49.0	50.4	52.7	55.0	57.9	62.1	66.0	67.0	68.2	70.0	72.3
77.5°	37.1	38.3	39.3	40.8	43.0	46.4	48.5	49.9	50.2	50.9	53.1
80°	29.4	30.1	31.0	32.2	33.1	36.0	37.1	38.5	39.0	39.7	40.8
82.5°	21.6	22.2	22.8	23.8	25.2	26.5	27.6	29.0	29.1	29.6	29.8
85°	12.6	12.8	12.3	12.8	13.0	13.5	14.7	15.9	15.7	15.5	16.1
87.5°	9.0	8.7	8.1	8.2	7.5	7.3	6.8	6.5	6.5	6.4	6.3
90°	22.4	20.9	18.9	16.9	14.8	12.8	10.6	8.3	6.0	3.6	1.3
92.5°	22.4	20.9	19.1	17.3	15.6	13.7	13.6	15.2	16.9	18.5	20.1
95°	22.4	20.9	31.9	43.0	54.0	65.0	71.0	71.9	72.8	73.6	74.5
97.5°	56.1	64.3	86.1	108.1	129.9	151.7	161.9	160.3	158.8	157.1	155.6
100°	184.2	227.5	226.3	225.2	224.0	222.9	221.9	221.0	220.0	219.2	218.3
102.5°	282.1	290.2	289.5	288.9	288.2	287.5	286.6	285.5	284.4	283.3	282.2
105°	389.6	389.6	389.6	389.6	389.6	389.6	389.1	387.9	386.8	385.6	384.5
107.5°	493.2	493.2	492.6	492.0	491.5	490.9	490.6	490.6	490.6	490.6	490.6
110°	561.4	562.2	561.7	561.1	560.5	559.9	559.7	559.7	559.7	559.7	559.7



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	628.0	629.1	628.8	628.4	628.1	627.8	627.2	626.5	625.9	625.2	624.5
115°	728.4	729.6	729.3	729.0	728.7	728.4	727.6	726.1	724.7	723.2	721.8
117.5°	825.7	827.2	826.1	825.0	823.8	822.7	822.2	822.2	822.3	822.3	822.4
120°	887.3	887.8	887.0	886.1	885.1	884.3	884.0	884.3	884.6	884.9	885.1
122.5°	946.8	947.5	947.1	946.6	946.2	945.8	945.0	943.9	942.8	941.7	940.6
125°	1034.4	1035.5	1035.5	1035.5	1035.5	1035.5	1034.5	1032.5	1030.5	1028.4	1026.4
127.5°	1113.4	1114.0	1114.2	1114.4	1114.5	1114.7	1114.1	1112.6	1111.2	1109.7	1108.2
130°	1165.5	1166.3	1166.0	1165.7	1165.5	1165.2	1164.3	1162.9	1161.3	1159.9	1158.4
132.5°	1213.3	1213.4	1214.1	1214.7	1215.3	1216.0	1215.4	1213.8	1212.0	1210.3	1208.7
135°	1284.8	1285.3	1285.9	1286.5	1287.1	1287.6	1287.1	1285.3	1283.5	1281.8	1280.1
137.5°	1350.3	1350.2	1350.7	1351.2	1351.7	1352.2	1351.7	1350.2	1348.7	1347.2	1345.7
140°	1390.5	1389.9	1390.2	1390.5	1390.8	1391.1	1390.9	1390.3	1389.8	1389.2	1388.6
142.5°	1430.8	1430.7	1430.3	1429.9	1429.5	1429.1	1428.7	1428.4	1427.9	1427.6	1427.2
145°	1486.9	1486.6	1486.6	1486.6	1486.6	1486.6	1486.3	1485.8	1485.2	1484.6	1484.0
147.5°	1535.1	1534.8	1534.4	1534.1	1533.7	1533.4	1533.3	1533.4	1533.5	1533.6	1533.7
150°	1565.7	1565.1	1564.5	1564.0	1563.4	1562.8	1562.8	1563.4	1564.0	1564.5	1565.1
152.5°	1592.9	1592.3	1591.7	1591.1	1590.5	1589.9	1590.3	1591.6	1592.9	1594.2	1595.4
155°	1630.0	1629.2	1628.6	1628.0	1627.4	1626.9	1627.4	1629.2	1630.9	1632.6	1634.4
157.5°	1660.9	1660.0	1660.0	1659.9	1659.8	1659.8	1660.3	1661.3	1662.3	1663.4	1664.5
160°	1680.0	1678.9	1678.6	1678.3	1678.0	1677.7	1678.4	1680.1	1681.9	1683.6	1685.4
162.5°	1697.2	1695.6	1695.3	1695.1	1694.8	1694.5	1695.2	1696.9	1698.6	1700.4	1702.1
165°	1719.8	1718.1	1717.8	1717.5	1717.2	1716.9	1717.7	1719.4	1721.1	1722.8	1724.6
167.5°	1736.7	1734.5	1734.2	1733.9	1733.6	1733.4	1734.1	1736.0	1737.8	1739.6	1741.3
170°	1745.2	1742.9	1742.6	1742.3	1742.0	1741.7	1742.6	1744.6	1746.7	1748.8	1750.8
172.5°	1752.3	1750.2	1749.7	1749.2	1748.7	1748.2	1748.9	1750.9	1753.0	1755.0	1757.1
175°	1759.6	1757.3	1757.1	1756.8	1756.5	1756.2	1756.9	1758.6	1760.4	1762.1	1763.8
177.5°	1763.4	1761.7	1761.5	1761.3	1761.1	1760.8	1761.4	1762.8	1764.2	1765.5	1767.0
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	571.2	572.9	575.3	578.1	580.4	582.8	584.1	584.1	585.2	587.6	590.9
5°	572.9	579.0	584.7	592.2	598.0	604.8	610.0	614.9	619.2	624.9	630.8
7.5°	572.4	582.5	593.0	604.7	617.7	628.0	638.6	646.9	655.1	665.9	674.3
10°	570.6	583.6	597.8	612.8	629.1	643.3	656.2	667.8	679.0	690.7	701.3
12.5°	567.1	583.8	601.2	619.1	639.7	656.0	672.6	685.0	698.1	710.8	723.8
15°	562.1	581.7	602.7	627.7	652.9	671.1	687.4	703.6	715.7	730.1	742.6
17.5°	551.7	576.9	603.4	630.7	654.9	676.0	693.2	708.5	721.4	737.3	754.2
20°	545.5	572.9	600.4	629.5	652.7	674.4	690.9	706.8	722.9	743.7	764.2
22.5°	536.9	566.1	595.3	623.0	647.4	668.4	685.5	704.9	726.1	749.6	774.5
25°	523.4	553.5	582.4	608.7	632.6	654.1	677.4	703.6	729.2	760.2	796.0
27.5°	506.1	535.2	561.0	588.9	612.5	639.9	668.9	697.3	734.3	777.0	821.5
30°	493.3	520.8	545.3	571.7	598.5	628.6	661.3	694.7	738.8	788.9	841.9
32.5°	478.4	503.3	527.6	553.0	584.0	617.0	651.8	692.6	745.3	802.3	857.2
35°	452.4	474.8	498.5	526.6	559.6	595.5	639.9	689.5	753.3	814.6	863.8
37.5°	425.3	443.0	466.7	496.4	532.3	573.8	624.2	684.6	749.9	805.1	826.0
40°	404.3	420.9	446.0	477.2	512.7	558.2	614.6	676.7	742.6	780.7	779.1
42.5°	383.6	400.4	424.4	456.0	492.9	543.8	602.0	666.4	722.0	736.5	706.2
45°	351.8	367.5	391.1	422.8	462.5	515.9	577.0	638.9	674.4	650.8	590.6
47.5°	319.5	334.7	356.6	387.6	430.9	486.9	544.7	595.4	600.4	549.8	477.6
50°	298.2	312.5	333.3	366.4	408.4	462.9	518.8	558.7	546.2	484.4	410.0
52.5°	277.5	291.1	310.6	341.9	384.9	438.3	488.1	519.5	490.8	425.1	358.1
55°	246.9	259.9	279.5	308.2	347.2	396.2	439.9	451.3	409.3	343.1	288.9
57.5°	217.8	227.4	246.7	272.2	309.7	352.9	384.2	382.1	335.8	276.1	237.2
60°	198.5	207.2	225.6	248.9	284.7	323.5	345.4	336.0	289.1	239.8	202.6
62.5°	180.7	188.7	204.2	225.6	256.3	290.0	306.0	293.1	248.8	205.5	175.8
65°	153.5	159.4	171.8	191.6	215.6	238.9	253.2	234.3	195.1	162.4	140.0
67.5°	128.2	133.2	144.2	158.4	175.0	191.2	196.9	179.3	148.8	126.7	110.9
70°	111.8	116.4	123.9	137.2	148.1	159.6	162.4	146.5	121.1	104.3	94.5
72.5°	96.1	100.4	106.9	116.3	123.9	130.5	131.8	117.0	97.6	86.0	78.5
75°	73.3	77.1	81.2	84.7	89.6	90.8	90.3	78.9	68.4	60.7	56.5
77.5°	53.8	55.4	58.0	59.4	59.6	59.5	57.2	49.9	44.4	41.3	39.6
80°	41.5	42.7	43.4	43.8	44.1	41.8	39.2	34.7	32.9	31.0	29.0
82.5°	30.2	30.9	31.6	31.7	30.5	28.5	26.2	23.9	22.6	21.7	20.9
85°	16.4	16.6	16.4	15.1	13.5	12.8	12.3	11.9	11.7	11.4	11.4
87.5°	6.5	6.5	6.0	6.6	7.1	7.3	7.7	7.9	8.1	8.4	8.7
90°	3.6	6.0	8.3	10.6	12.8	14.8	16.9	18.9	20.9	22.4	23.8
92.5°	18.5	16.9	15.2	13.6	13.7	15.6	17.3	19.1	20.9	22.4	23.8
95°	73.6	72.8	71.9	71.0	65.0	54.0	43.0	31.9	20.9	22.4	23.8
97.5°	157.1	158.8	160.3	161.9	151.7	129.9	108.1	86.1	64.3	56.1	48.0
100°	219.2	220.0	221.0	221.9	222.9	224.0	225.2	226.3	227.5	184.2	140.9
102.5°	283.3	284.4	285.5	286.6	287.5	288.2	288.9	289.5	290.2	282.1	273.9
105°	385.6	386.8	387.9	389.1	389.6	389.6	389.6	389.6	389.6	389.6	389.6
107.5°	490.6	490.6	490.6	490.6	490.9	491.5	492.0	492.6	493.2	493.2	493.3
110°	559.7	559.7	559.7	559.7	559.9	560.5	561.1	561.7	562.2	561.4	560.5



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	625.2	625.9	626.5	627.2	627.8	628.1	628.4	628.8	629.1	628.0	626.9
115°	723.2	724.7	726.1	727.6	728.4	728.7	729.0	729.3	729.6	728.4	727.3
117.5°	822.3	822.3	822.2	822.2	822.7	823.8	825.0	826.1	827.2	825.7	824.2
120°	884.9	884.6	884.3	884.0	884.3	885.1	886.1	887.0	887.8	887.3	886.7
122.5°	941.7	942.8	943.9	945.0	945.8	946.2	946.6	947.1	947.5	946.8	946.2
125°	1028.4	1030.5	1032.5	1034.5	1035.5	1035.5	1035.5	1035.5	1035.5	1034.4	1033.2
127.5°	1109.7	1111.2	1112.6	1114.1	1114.7	1114.5	1114.4	1114.2	1114.0	1113.4	1112.8
130°	1159.9	1161.3	1162.9	1164.3	1165.2	1165.5	1165.7	1166.0	1166.3	1165.5	1164.6
132.5°	1210.3	1212.0	1213.8	1215.4	1216.0	1215.3	1214.7	1214.1	1213.4	1213.3	1213.0
135°	1281.8	1283.5	1285.3	1287.1	1287.6	1287.1	1286.5	1285.9	1285.3	1284.8	1284.1
137.5°	1347.2	1348.7	1350.2	1351.7	1352.2	1351.7	1351.2	1350.7	1350.2	1350.3	1350.4
140°	1389.2	1389.8	1390.3	1390.9	1391.1	1390.8	1390.5	1390.2	1389.9	1390.5	1391.1
142.5°	1427.6	1427.9	1428.4	1428.7	1429.1	1429.5	1429.9	1430.3	1430.7	1430.8	1430.9
145°	1484.6	1485.2	1485.8	1486.3	1486.6	1486.6	1486.6	1486.6	1486.6	1486.9	1487.2
147.5°	1533.6	1533.5	1533.4	1533.3	1533.4	1533.7	1534.1	1534.4	1534.8	1535.1	1535.5
150°	1564.5	1564.0	1563.4	1562.8	1562.8	1563.4	1564.0	1564.5	1565.1	1565.7	1566.3
152.5°	1594.2	1592.9	1591.6	1590.3	1589.9	1590.5	1591.1	1591.7	1592.3	1592.9	1593.5
155°	1632.6	1630.9	1629.2	1627.4	1626.9	1627.4	1628.0	1628.6	1629.2	1630.0	1630.9
157.5°	1663.4	1662.3	1661.3	1660.3	1659.8	1659.8	1659.9	1660.0	1660.0	1660.9	1661.9
160°	1683.6	1681.9	1680.1	1678.4	1677.7	1678.0	1678.3	1678.6	1678.9	1680.0	1681.2
162.5°	1700.4	1698.6	1696.9	1695.2	1694.5	1694.8	1695.1	1695.3	1695.6	1697.2	1698.8
165°	1722.8	1721.1	1719.4	1717.7	1716.9	1717.2	1717.5	1717.8	1718.1	1719.8	1721.5
167.5°	1739.6	1737.8	1736.0	1734.1	1733.4	1733.6	1733.9	1734.2	1734.5	1736.7	1738.8
170°	1748.8	1746.7	1744.6	1742.6	1741.7	1742.0	1742.3	1742.6	1742.9	1745.2	1747.6
172.5°	1755.0	1753.0	1750.9	1748.9	1748.2	1748.7	1749.2	1749.7	1750.2	1752.3	1754.4
175°	1762.1	1760.4	1758.6	1756.9	1756.2	1756.5	1756.8	1757.1	1757.3	1759.6	1761.9
177.5°	1765.5	1764.2	1762.8	1761.4	1760.8	1761.1	1761.3	1761.5	1761.7	1763.4	1765.0
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	593.3	593.3	596.4	596.2	598.3	597.5	597.9
5°	637.7	641.7	645.2	647.5	651.1	652.0	651.5
7.5°	683.9	692.7	696.9	702.9	703.9	707.0	706.7
10°	712.4	721.0	727.6	732.7	735.3	738.5	738.8
12.5°	734.8	742.1	747.9	752.7	755.8	756.8	757.4
15°	752.3	760.4	767.2	774.0	778.0	781.0	782.6
17.5°	769.9	782.5	794.5	803.7	809.2	813.9	813.9
20°	783.6	798.0	812.9	823.4	834.2	838.9	839.6
22.5°	798.1	820.2	839.5	855.8	869.9	874.7	876.6
25°	828.4	857.3	887.0	909.8	926.1	935.7	937.2
27.5°	864.9	904.0	935.2	956.3	969.9	977.0	978.6
30°	890.7	926.9	954.8	970.7	977.0	978.0	974.4
32.5°	902.2	929.3	940.5	939.6	927.2	919.0	915.8
35°	888.1	882.5	855.3	822.5	797.6	781.7	777.5
37.5°	808.2	759.9	709.7	660.4	634.1	620.7	597.7
40°	729.4	660.6	608.3	566.8	537.1	513.3	507.8
42.5°	640.6	569.5	517.3	481.7	458.0	441.7	434.5
45°	514.7	453.6	410.4	383.1	365.0	353.0	347.7
47.5°	411.7	364.4	333.0	312.8	298.8	288.5	285.6
50°	355.2	317.3	290.7	273.7	263.2	255.3	252.1
52.5°	308.5	277.9	257.5	243.5	233.6	228.6	225.9
55°	254.6	228.2	213.5	202.3	196.7	192.8	190.9
57.5°	208.2	189.1	178.4	170.7	165.5	163.0	162.1
60°	182.3	167.3	157.5	151.5	147.9	144.7	143.7
62.5°	159.3	147.5	140.0	134.6	131.2	129.8	129.2
65°	128.4	120.7	115.0	111.8	109.0	108.5	108.3
67.5°	102.0	97.5	94.5	91.2	90.2	88.6	88.2
70°	87.3	84.2	80.7	79.6	78.4	76.7	77.1
72.5°	74.0	71.0	68.6	67.1	66.7	65.9	66.6
75°	54.1	53.2	52.3	51.1	50.6	50.6	50.4
77.5°	38.7	37.9	36.9	36.2	36.0	35.0	35.3
80°	28.0	26.9	26.4	26.6	25.9	25.7	25.7
82.5°	20.7	20.3	19.8	19.9	19.7	19.5	19.7
85°	11.4	11.2	11.2	11.0	11.0	10.7	10.7
87.5°	9.2	9.6	9.5	9.5	9.7	10.0	10.4
90°	25.2	26.8	27.9	28.8	29.6	30.5	31.4
92.5°	25.2	26.8	27.7	28.1	28.5	28.9	29.3
95°	25.2	26.8	27.5	27.5	27.5	27.5	27.5
97.5°	39.8	31.5	27.5	27.5	27.5	27.5	27.5
100°	97.7	54.3	32.1	30.9	29.8	28.6	27.5
102.5°	265.7	257.5	243.5	223.8	204.0	184.2	164.5
105°	389.6	389.6	389.5	389.2	388.9	388.6	388.3
107.5°	493.4	493.4	493.0	492.1	491.3	490.4	489.6
110°	559.7	558.8	558.5	558.8	559.1	559.4	559.7



TEST NUMBER: P333652-840

CATALOG NUMBER: S125RDIW-S375D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	625.9	624.8	624.0	623.6	623.2	622.8	622.4
115°	726.1	725.0	723.5	721.8	720.0	718.2	716.5
117.5°	822.6	821.1	819.9	819.2	818.5	817.7	817.0
120°	886.1	885.4	884.4	883.0	881.5	880.1	878.7
122.5°	945.6	945.1	943.9	942.3	940.6	938.9	937.3
125°	1032.1	1030.9	1029.9	1029.1	1028.1	1027.2	1026.4
127.5°	1112.1	1111.5	1110.0	1107.9	1105.8	1103.6	1101.5
130°	1163.7	1162.9	1161.6	1160.2	1158.7	1157.3	1155.9
132.5°	1212.8	1212.6	1211.8	1210.4	1209.0	1207.5	1206.1
135°	1283.5	1282.9	1281.8	1280.1	1278.3	1276.6	1274.9
137.5°	1350.5	1350.6	1349.9	1348.4	1346.9	1345.3	1343.8
140°	1391.6	1392.2	1391.6	1389.9	1388.2	1386.4	1384.6
142.5°	1431.1	1431.2	1430.4	1428.6	1426.8	1425.1	1423.4
145°	1487.5	1487.8	1487.1	1485.3	1483.6	1481.9	1480.2
147.5°	1535.8	1536.2	1535.3	1533.2	1531.1	1529.0	1526.9
150°	1566.8	1567.4	1566.5	1564.2	1561.9	1559.5	1557.2
152.5°	1594.1	1594.6	1593.9	1591.7	1589.7	1587.6	1585.5
155°	1631.7	1632.6	1631.9	1629.6	1627.3	1625.0	1622.7
157.5°	1662.8	1663.8	1663.0	1660.7	1658.4	1656.1	1653.8
160°	1682.3	1683.5	1682.9	1680.6	1678.3	1676.0	1673.6
162.5°	1700.5	1702.1	1701.6	1699.1	1696.5	1693.9	1691.4
165°	1723.3	1725.1	1724.7	1722.4	1720.1	1717.8	1715.5
167.5°	1740.8	1742.9	1742.6	1740.0	1737.5	1734.8	1732.2
170°	1749.9	1752.2	1752.1	1749.5	1746.9	1744.2	1741.6
172.5°	1756.6	1758.6	1758.4	1755.8	1753.1	1750.5	1747.9
175°	1764.2	1766.6	1766.5	1763.8	1761.2	1758.6	1756.0
177.5°	1766.7	1768.3	1768.2	1766.3	1764.4	1762.5	1760.7
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8

(END OF REPORT)