

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: P333359

Luminaire Tested: **S125DIW-S375D1340U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333359  
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: S125DIW-S375D1340U835-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

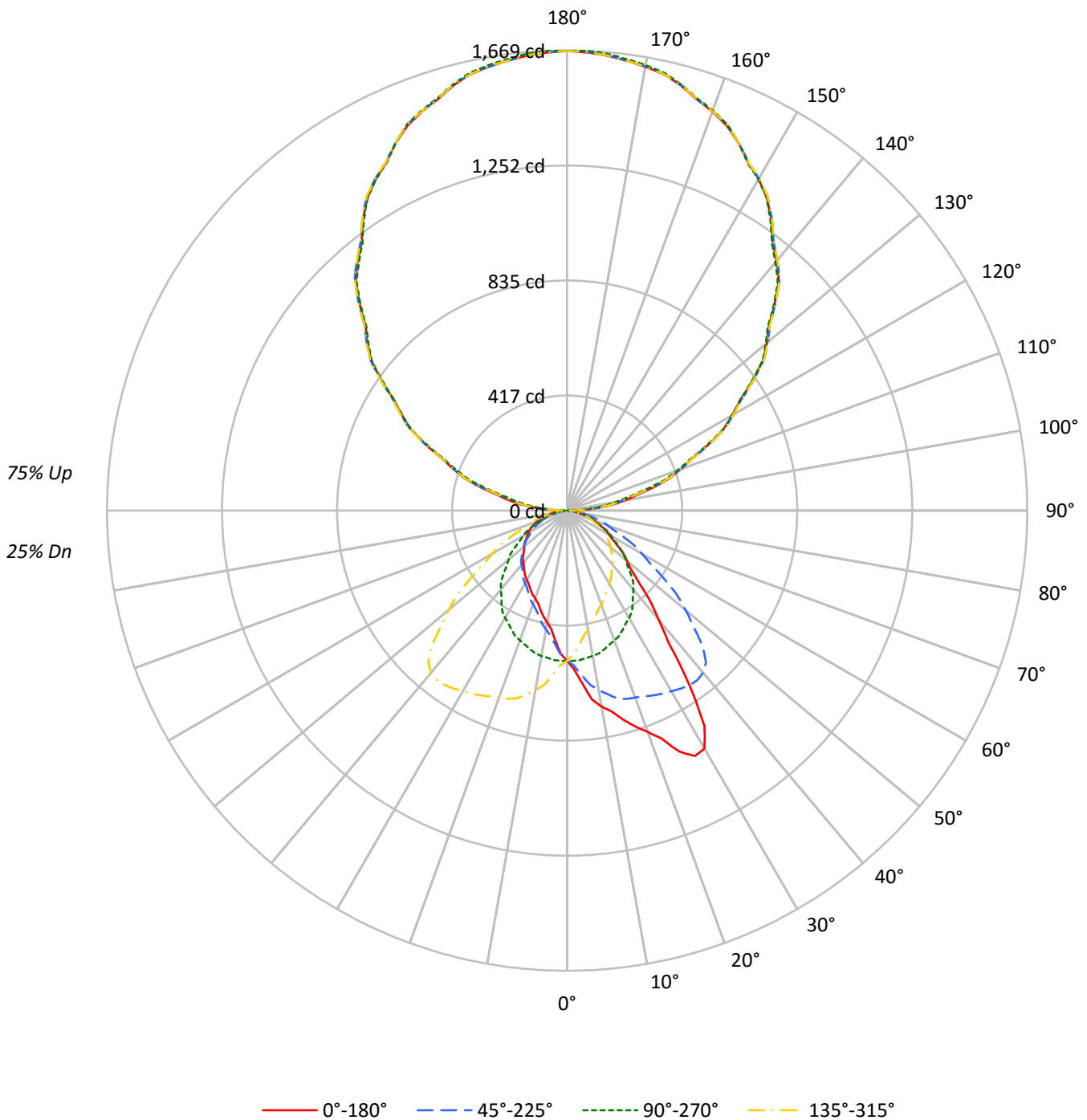
Lumens per Lamp: N/A  
Luminaire Lumens: 6191.1 lumens  
Efficiency: N/A  
Efficacy: 132.9 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 46.6  
Input Voltage (V): 120  
Input Current (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





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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	101	101	101	101	90	90	90	90	69	69	69	50	50	50	33	33	33	25
1	92	88	84	81	82	79	76	73	61	59	57	44	43	42	29	29	28	21
2	84	77	71	66	75	69	64	60	53	50	47	39	37	35	26	25	24	18
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	20	15
4	70	60	52	47	62	54	47	42	42	37	34	31	28	26	21	19	18	13
5	64	53	45	40	57	48	41	36	37	33	29	28	24	22	19	17	15	11
6	59	48	40	34	52	43	36	31	33	29	25	25	22	19	17	15	13	10
7	54	43	35	30	48	38	32	27	30	25	22	23	19	17	15	13	12	9
8	50	39	31	26	45	35	28	24	27	23	19	21	17	15	14	12	11	8
9	47	35	28	23	42	32	25	21	25	20	17	19	16	13	13	11	10	7
10	44	32	25	21	39	29	23	19	23	18	15	17	14	12	12	10	9	7

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

	0°	90°	180°	270°
0°	3516	3516	3516	3516
5°	4071	3528	3089	3528
10°	4737	3510	2706	3510
15°	5243	3484	2497	3484
20°	5869	3443	2328	3443
25°	6876	3397	2246	3397
30°	7427	3351	2175	3351
35°	6106	3266	2128	3266
40°	4340	3148	2076	3148
45°	3335	2988	2047	2988
50°	2846	2790	2043	2790
55°	2535	2597	2061	2597
60°	2286	2384	2113	2384
65°	2112	2172	2168	2172
70°	1920	1951	2200	1951
75°	1694	1719	2178	1719
80°	1428	1402	1993	1402
85°	1134	1008	1608	1008



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.4	0.8
10°-20°	156.0	2.5
20°-30°	253.4	4.1
30°-40°	309.1	5.0
40°-50°	281.2	4.5
50°-60°	224.0	3.6
60°-70°	156.0	2.5
70°-80°	83.2	1.3
80°-90°	24.6	0.4
90°-100°	111.6	1.8
100°-110°	329.7	5.3
110°-120°	558.4	9.0
120°-130°	734.9	11.9
130°-140°	823.5	13.3
140°-150°	807.1	13.0
150°-160°	677.9	10.9
160°-170°	450.6	7.3
170°-180°	157.7	2.5
0°-30°	461.8	7.5
0°-40°	770.9	12.5
0°-60°	1276.0	20.6
0°-90°	1539.8	24.9
90°-120°	999.7	16.1
90°-150°	3365.1	54.4
90°-180°	4651.0	75.1
0°-180°	6191.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	544	544	544	544	544	
5°	628	544	476	544	628	63
15°	784	521	373	521	784	224
25°	965	477	315	477	965	441
35°	774	414	270	414	774	474
45°	365	327	224	327	365	292
55°	225	231	183	231	225	203
65°	138	142	142	142	138	137
75°	68	69	87	69	68	73
85°	15	14	22	14	15	18
90°	31	1	31	1	31	18
95°	112	84	112	84	112	114
105°	322	296	322	296	322	341
115°	564	559	564	559	564	558
125°	821	816	821	816	821	733
135°	1065	1061	1065	1061	1065	822
145°	1291	1286	1291	1286	1291	806
155°	1471	1471	1471	1471	1471	677
165°	1596	1599	1596	1599	1596	450
175°	1656	1663	1656	1663	1656	157
180°	1667	1667	1667	1667	1667	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	575.8	575.1	574.3	572.9	574.0	570.8	569.4	566.8	563.6	562.5	561.2
5°	628.0	629.2	630.4	625.5	626.0	622.7	615.3	609.3	604.5	598.2	593.8
7.5°	690.9	688.2	687.9	684.8	679.4	675.0	667.3	657.4	647.8	636.9	627.9
10°	722.3	722.6	720.5	716.8	711.0	706.8	696.7	687.0	675.2	661.3	651.4
12.5°	746.0	747.0	744.3	739.3	736.5	727.2	719.2	707.7	693.7	682.6	667.5
15°	784.2	781.7	779.9	773.6	768.8	759.1	746.4	734.3	719.1	705.0	690.9
17.5°	821.1	823.2	819.7	814.0	798.9	787.6	770.6	754.1	735.1	716.2	699.4
20°	854.0	855.9	850.6	840.6	822.6	811.3	788.9	767.6	745.7	721.4	702.9
22.5°	895.1	893.6	886.4	871.3	855.7	834.8	810.5	784.6	757.1	729.7	705.1
25°	964.9	955.2	950.8	932.1	911.6	880.8	847.6	809.7	775.5	739.2	707.8
27.5°	1003.7	1000.6	995.7	982.7	961.1	928.2	889.0	842.8	794.6	748.8	707.6
30°	995.9	996.4	996.8	992.7	978.8	954.1	915.0	865.4	808.0	756.5	708.9
32.5°	927.1	935.5	943.6	953.1	957.0	952.2	927.8	882.9	823.9	765.4	708.2
35°	774.5	777.1	803.2	829.1	864.2	891.5	909.7	889.8	840.2	772.9	707.3
37.5°	603.9	616.4	634.5	663.7	714.4	759.8	818.2	845.0	829.0	775.4	705.7
40°	514.8	526.4	538.2	568.0	610.7	665.7	732.0	788.6	801.8	767.6	700.1
42.5°	446.1	455.2	468.3	490.7	526.4	575.1	638.5	712.5	758.0	745.1	688.5
45°	365.1	370.9	381.0	398.8	424.7	462.8	518.7	599.6	670.1	693.4	660.9
47.5°	312.5	312.5	320.4	332.6	351.3	383.7	425.1	488.4	563.7	619.4	616.8
50°	283.3	282.1	288.4	299.0	313.8	335.3	374.8	425.4	497.7	560.8	578.4
52.5°	258.1	258.3	262.1	270.0	282.4	300.7	330.2	375.9	437.6	502.4	535.5
55°	225.1	224.1	228.5	233.8	242.9	254.9	276.1	311.0	361.2	424.9	467.9
57.5°	194.7	197.3	199.0	202.7	210.2	218.3	236.2	261.8	301.6	356.3	401.7
60°	177.0	179.5	180.9	184.6	190.6	197.6	211.4	232.2	265.7	312.9	357.9
62.5°	161.1	163.1	163.6	166.9	171.8	178.5	189.4	206.9	233.4	274.6	318.7
65°	138.2	138.2	139.1	142.6	144.9	150.9	159.2	171.9	193.2	225.3	263.0
67.5°	116.1	117.2	117.0	118.5	120.6	125.3	131.2	141.7	157.5	180.9	211.1
70°	101.7	102.6	102.4	103.5	105.8	108.8	113.7	123.6	134.9	155.0	180.9
72.5°	88.7	89.1	88.5	90.0	91.4	94.0	99.5	104.8	115.3	132.3	153.6
75°	67.9	68.4	68.9	69.8	71.2	72.6	75.3	80.6	87.6	100.3	113.9
77.5°	50.9	50.0	51.2	51.0	51.8	52.9	55.3	58.1	63.8	71.9	82.4
80°	38.4	38.6	38.6	38.8	40.0	40.7	42.7	44.8	49.2	55.2	62.6
82.5°	28.0	28.6	28.2	28.7	29.6	30.1	31.3	33.0	35.5	40.3	45.6
85°	15.3	14.1	14.6	15.0	15.0	15.3	16.2	16.9	18.3	20.1	22.2
87.5°	10.7	10.9	10.9	10.7	10.7	10.5	10.9	10.6	10.9	11.2	11.5
90°	31.1	30.3	29.4	28.5	27.7	26.5	25.1	23.6	22.2	20.8	18.7
92.5°	61.2	60.6	60.0	59.3	58.7	57.4	55.5	53.6	51.7	49.8	47.3
95°	111.6	111.0	110.4	109.8	109.2	108.0	105.9	103.9	101.9	99.9	97.0
97.5°	169.2	168.8	168.5	168.1	167.8	166.6	164.7	162.8	160.9	159.0	155.1
100°	212.7	212.2	211.6	211.0	210.4	208.8	206.2	203.7	201.1	198.5	194.7
102.5°	256.3	255.5	254.7	253.9	253.1	251.3	248.4	245.6	242.8	240.0	238.1
105°	321.7	320.8	320.0	319.1	318.2	316.9	315.2	313.5	311.8	310.0	308.3
107.5°	388.6	388.7	388.7	388.8	388.9	388.5	387.6	386.7	385.9	385.0	383.7
110°	438.4	438.7	439.0	439.3	439.6	439.3	438.4	437.6	436.7	435.8	435.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	487.2	487.7	488.3	488.8	489.3	489.3	488.9	488.5	488.1	487.7	486.6
115°	564.3	564.6	564.8	565.1	565.4	565.7	566.0	566.3	566.6	566.9	566.3
117.5°	639.5	640.7	641.8	643.0	644.1	644.6	644.3	644.1	643.9	643.7	643.1
120°	691.4	692.5	693.7	694.8	696.0	696.6	696.6	696.6	696.6	696.6	696.3
122.5°	743.3	744.2	745.1	746.0	747.0	747.5	747.8	748.0	748.2	748.5	747.7
125°	821.1	821.4	821.7	822.0	822.3	822.7	823.3	823.8	824.4	825.0	824.7
127.5°	895.8	896.4	897.0	897.6	898.1	898.6	898.8	899.1	899.4	899.7	899.4
130°	945.6	946.2	946.8	947.4	947.9	948.4	948.7	948.9	949.2	949.5	948.9
132.5°	992.3	993.1	993.9	994.8	995.6	996.1	996.4	996.7	997.0	997.3	997.4
135°	1065.0	1066.1	1067.3	1068.4	1069.6	1070.2	1070.2	1070.2	1070.2	1070.2	1069.9
137.5°	1136.1	1137.5	1138.9	1140.4	1141.8	1142.4	1142.0	1141.7	1141.3	1141.0	1140.4
140°	1181.7	1183.2	1184.6	1186.0	1187.5	1187.9	1187.3	1186.8	1186.2	1185.6	1184.7
142.5°	1225.3	1226.7	1228.2	1229.6	1231.1	1231.6	1231.3	1230.9	1230.6	1230.2	1229.1
145°	1290.7	1291.5	1292.4	1293.3	1294.1	1294.6	1294.6	1294.6	1294.6	1294.6	1293.7
147.5°	1346.5	1348.4	1350.4	1352.3	1354.3	1354.9	1354.2	1353.5	1352.9	1352.2	1351.5
150°	1388.0	1388.5	1389.1	1389.7	1390.3	1390.6	1390.6	1390.6	1390.6	1390.6	1389.4
152.5°	1422.2	1423.2	1424.3	1425.3	1426.4	1426.5	1425.8	1425.1	1424.5	1423.8	1423.3
155°	1471.0	1472.4	1473.9	1475.3	1476.7	1476.9	1475.7	1474.6	1473.4	1472.3	1472.0
157.5°	1511.7	1513.6	1515.5	1517.4	1519.3	1519.7	1518.5	1517.4	1516.2	1515.1	1514.8
160°	1539.7	1541.2	1542.6	1544.1	1545.5	1545.6	1544.5	1543.3	1542.2	1541.0	1540.7
162.5°	1563.6	1565.3	1566.9	1568.6	1570.3	1570.4	1569.0	1567.7	1566.3	1564.9	1564.8
165°	1595.5	1597.2	1599.0	1600.7	1602.4	1602.7	1601.6	1600.4	1599.3	1598.1	1597.8
167.5°	1620.9	1622.7	1624.5	1626.3	1628.1	1628.1	1626.4	1624.7	1622.9	1621.2	1621.2
170°	1634.4	1636.4	1638.5	1640.5	1642.5	1642.6	1640.9	1639.2	1637.5	1635.7	1635.7
172.5°	1645.8	1647.6	1649.4	1651.2	1653.0	1653.0	1651.3	1649.6	1647.8	1646.1	1646.1
175°	1656.5	1658.5	1660.5	1662.5	1664.5	1664.7	1663.0	1661.2	1659.5	1657.8	1657.8
177.5°	1662.7	1664.3	1665.9	1667.5	1669.2	1669.3	1667.9	1666.5	1665.1	1663.7	1664.0
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	560.1	558.8	557.3	554.7	551.6	549.9	547.4	545.7	542.4	539.6	536.6
5°	588.5	582.5	577.0	569.8	562.0	556.9	550.9	544.2	537.2	530.1	522.2
7.5°	618.0	607.3	595.8	583.4	571.2	560.0	549.3	538.9	529.1	517.2	507.2
10°	637.7	624.3	610.0	593.2	576.7	562.4	547.9	535.2	522.2	508.4	496.1
12.5°	657.5	639.7	619.4	600.9	581.2	563.9	546.8	530.5	514.3	498.9	484.6
15°	671.5	655.8	637.1	610.7	588.5	564.7	542.1	521.1	501.4	484.3	466.3
17.5°	680.7	660.4	640.3	615.1	586.0	559.4	533.7	509.6	487.5	465.8	448.5
20°	682.3	661.5	640.5	615.8	586.0	555.5	529.8	501.0	477.2	454.7	433.5
22.5°	681.8	658.2	635.3	609.9	580.8	552.7	521.7	492.3	466.4	444.4	422.2
25°	676.6	651.4	622.7	597.1	568.4	538.6	507.2	476.7	450.4	425.2	403.2
27.5°	672.2	639.6	607.1	577.2	549.5	522.2	492.1	460.9	431.7	406.2	385.5
30°	666.9	631.0	594.5	563.3	534.9	508.4	479.9	449.4	418.9	394.0	371.8
32.5°	662.1	620.3	581.8	547.8	517.7	491.9	465.7	436.7	406.7	381.4	359.2
35°	652.8	604.5	560.3	522.0	489.9	463.3	441.3	414.3	386.8	362.3	341.1
37.5°	641.0	583.7	536.3	496.1	460.9	432.9	412.5	391.7	365.3	341.7	322.5
40°	631.7	568.9	518.7	477.6	441.1	412.0	393.0	373.4	351.5	329.5	309.2
42.5°	620.1	555.6	501.0	456.7	420.6	392.2	372.3	355.7	336.3	315.8	297.0
45°	598.7	531.5	472.3	424.7	388.2	360.2	339.7	327.2	312.6	293.2	277.3
47.5°	567.2	502.5	441.3	392.2	354.5	328.6	309.3	297.3	287.1	272.7	258.2
50°	539.3	480.9	418.9	370.2	332.5	306.4	288.6	277.7	269.0	257.9	245.6
52.5°	508.1	453.7	396.9	348.7	311.4	285.7	268.3	258.7	251.4	243.5	231.4
55°	458.4	412.2	359.5	313.8	279.4	254.2	238.9	230.6	224.6	218.6	211.2
57.5°	403.8	367.6	321.0	279.1	247.4	224.5	210.3	202.2	197.5	194.4	190.1
60°	365.3	334.4	294.2	256.0	225.1	204.7	190.9	184.6	180.7	178.2	174.9
62.5°	329.6	304.2	267.0	232.2	205.1	185.9	173.5	167.4	163.7	162.4	159.8
65°	277.1	257.4	226.7	197.8	174.7	158.3	147.9	142.1	139.8	138.4	138.6
67.5°	225.2	213.3	188.6	164.0	145.5	131.8	123.4	119.0	117.8	116.0	116.0
70°	193.6	184.6	163.8	142.3	125.9	115.3	107.9	103.3	102.1	101.2	101.0
72.5°	165.7	157.8	139.8	122.6	107.8	98.5	92.4	89.6	87.7	87.2	87.1
75°	124.5	120.2	105.8	92.2	82.0	75.6	71.4	68.9	67.5	67.2	67.5
77.5°	88.5	84.7	75.6	65.9	59.5	54.6	51.1	50.2	48.7	48.7	48.5
80°	66.5	64.0	58.2	50.6	45.3	41.1	39.3	37.7	37.2	36.5	37.2
82.5°	48.2	45.5	41.6	36.7	32.3	29.9	28.0	27.5	27.2	26.9	27.0
85°	23.8	24.0	21.7	18.0	16.2	14.8	13.6	13.6	13.4	13.2	13.4
87.5°	11.5	10.7	9.6	8.6	7.2	6.2	5.5	5.3	5.2	5.4	6.1
90°	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3	3.6	5.9	8.2
92.5°	44.9	42.4	39.9	37.8	36.2	34.6	33.0	31.4	33.0	34.6	36.2
95°	94.1	91.2	88.4	86.6	86.0	85.5	84.9	84.3	84.9	85.5	86.0
97.5°	151.1	147.1	143.1	141.0	140.8	140.6	140.3	140.1	140.3	140.6	140.8
100°	191.0	187.2	183.5	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6
102.5°	236.2	234.3	232.4	230.8	229.7	228.5	227.4	226.2	227.4	228.5	229.7
105°	306.6	304.8	303.1	301.5	300.1	298.6	297.2	295.8	297.2	298.6	300.1
107.5°	382.3	381.0	379.7	378.3	376.9	375.4	374.0	372.5	374.0	375.4	376.9
110°	434.1	433.3	432.4	431.2	429.8	428.4	426.9	425.5	426.9	428.4	429.8





TEST NUMBER: P333359

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	485.5	484.4	483.4	482.4	481.7	480.9	480.2	479.4	480.2	480.9	481.7
115°	565.7	565.1	564.6	563.7	562.5	561.4	560.2	559.1	560.2	561.4	562.5
117.5°	642.6	642.1	641.6	641.1	640.5	640.0	639.5	639.0	639.5	640.0	640.5
120°	696.0	695.7	695.4	694.6	693.1	691.7	690.2	688.8	690.2	691.7	693.1
122.5°	747.0	746.2	745.5	744.8	744.3	743.8	743.3	742.8	743.3	743.8	744.3
125°	824.4	824.1	823.8	822.8	821.1	819.4	817.6	815.9	817.6	819.4	821.1
127.5°	899.0	898.7	898.3	897.7	896.7	895.7	894.7	893.7	894.7	895.7	896.7
130°	948.4	947.8	947.2	946.2	944.8	943.3	941.9	940.4	941.9	943.3	944.8
132.5°	997.5	997.6	997.7	996.6	994.2	991.9	989.5	987.1	989.5	991.9	994.2
135°	1069.6	1069.3	1069.0	1068.0	1066.3	1064.5	1062.8	1061.1	1062.8	1064.5	1066.3
137.5°	1139.7	1139.1	1138.4	1137.3	1135.6	1134.0	1132.3	1130.6	1132.3	1134.0	1135.6
140°	1183.9	1183.0	1182.1	1181.0	1179.6	1178.1	1176.7	1175.2	1176.7	1178.1	1179.6
142.5°	1228.0	1226.9	1225.8	1224.7	1223.5	1222.3	1221.1	1219.9	1221.1	1222.3	1223.5
145°	1292.8	1292.0	1291.1	1290.1	1288.9	1287.8	1286.6	1285.5	1286.6	1287.8	1288.9
147.5°	1350.8	1350.1	1349.4	1348.7	1348.1	1347.5	1346.8	1346.2	1346.8	1347.5	1348.1
150°	1388.3	1387.1	1385.9	1385.5	1385.8	1386.1	1386.4	1386.7	1386.4	1386.1	1385.8
152.5°	1422.8	1422.4	1421.9	1421.5	1421.1	1420.7	1420.3	1419.9	1420.3	1420.7	1421.1
155°	1471.7	1471.4	1471.1	1471.0	1471.0	1471.0	1471.0	1471.0	1471.0	1471.0	1471.0
157.5°	1514.5	1514.2	1513.9	1514.1	1514.7	1515.4	1516.0	1516.6	1516.0	1515.4	1514.7
160°	1540.5	1540.2	1539.9	1540.2	1541.0	1541.9	1542.8	1543.6	1542.8	1541.9	1541.0
162.5°	1564.8	1564.7	1564.7	1565.0	1565.6	1566.2	1566.9	1567.5	1566.9	1566.2	1565.6
165°	1597.5	1597.2	1597.0	1597.1	1597.7	1598.2	1598.8	1599.4	1598.8	1598.2	1597.7
167.5°	1621.2	1621.2	1621.2	1621.8	1622.9	1624.1	1625.2	1626.4	1625.2	1624.1	1622.9
170°	1635.7	1635.7	1635.7	1636.3	1637.5	1638.6	1639.8	1640.9	1639.8	1638.6	1637.5
172.5°	1646.1	1646.1	1646.1	1646.7	1647.8	1649.0	1650.1	1651.3	1650.1	1649.0	1647.8
175°	1657.8	1657.8	1657.8	1658.4	1659.5	1660.7	1661.8	1663.0	1661.8	1660.7	1659.5
177.5°	1664.2	1664.4	1664.7	1665.2	1666.2	1667.1	1668.0	1668.9	1668.0	1667.1	1666.2
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333359

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	535.0	532.9	531.3	527.6	525.5	522.8	520.6	523.0	520.4	521.5	519.8
5°	518.3	511.8	507.2	500.5	494.7	489.4	485.5	484.8	482.9	482.0	479.2
7.5°	498.2	490.1	482.2	473.4	466.0	458.5	453.7	449.7	447.1	443.6	441.2
10°	486.4	475.5	466.3	455.7	446.4	438.3	431.9	428.6	425.6	421.2	419.6
12.5°	471.8	460.6	449.3	437.9	429.0	420.0	414.5	409.6	407.5	402.6	402.1
15°	454.3	437.4	426.3	414.8	402.5	395.1	390.5	385.2	382.9	379.4	376.9
17.5°	433.4	418.3	404.5	392.5	382.0	375.8	370.0	366.4	362.4	360.1	356.0
20°	418.2	403.9	390.0	377.3	369.2	362.1	357.5	354.0	349.8	348.7	344.5
22.5°	405.5	389.7	376.4	365.7	356.9	348.8	343.8	341.4	338.6	335.0	334.2
25°	384.7	368.3	357.0	346.4	338.5	331.1	327.7	324.7	321.9	319.3	318.4
27.5°	366.8	352.1	338.7	329.1	322.2	315.5	312.5	308.8	306.8	304.7	302.2
30°	354.2	339.2	327.4	318.2	310.8	304.8	301.5	299.0	297.2	295.3	293.9
32.5°	341.3	327.4	316.0	306.9	299.5	295.0	292.1	290.3	288.3	286.1	284.3
35°	324.2	308.9	297.8	290.0	284.2	280.7	277.5	275.9	273.6	273.6	271.7
37.5°	304.9	291.7	281.9	274.8	269.6	266.5	263.0	261.9	260.4	259.4	258.8
40°	293.5	281.2	272.0	264.8	259.3	256.7	253.9	252.1	251.2	250.0	249.6
42.5°	281.6	269.9	261.1	254.5	249.6	247.5	244.9	243.6	241.7	240.2	239.9
45°	263.6	252.3	244.2	238.9	234.8	232.2	230.6	227.8	226.9	225.1	224.8
47.5°	246.6	235.7	227.8	223.4	219.8	217.7	215.2	212.4	211.3	210.4	210.3
50°	233.8	223.9	216.5	212.4	208.9	205.9	203.3	201.5	200.8	200.8	201.3
52.5°	220.9	212.4	206.2	201.1	197.8	194.6	192.2	191.1	190.1	191.2	192.0
55°	202.0	193.4	188.8	183.9	180.7	177.0	175.8	175.4	174.7	176.5	177.5
57.5°	181.9	175.9	170.5	165.7	162.8	160.6	159.1	158.8	160.1	161.0	164.0
60°	169.1	162.2	157.4	153.7	150.2	148.8	148.3	147.9	148.8	151.3	155.3
62.5°	155.1	149.5	144.2	141.5	138.9	136.6	136.5	136.8	138.6	141.6	145.5
65°	134.5	129.6	126.2	122.9	120.8	119.5	119.9	120.8	122.9	126.9	131.2
67.5°	113.5	110.2	107.1	104.5	102.5	102.5	103.0	104.4	106.8	111.3	115.3
70°	100.1	96.4	93.8	92.7	91.0	90.1	91.5	93.8	95.9	100.1	103.5
72.5°	86.6	83.4	81.4	80.6	79.9	79.2	79.7	82.2	85.0	89.1	93.2
75°	66.5	65.4	64.0	63.1	62.4	62.9	63.3	65.6	67.9	72.3	76.9
77.5°	48.6	47.4	46.5	46.3	45.9	46.2	47.5	49.2	51.4	54.6	58.1
80°	36.7	36.3	35.8	35.6	35.6	35.8	37.7	38.8	40.9	43.9	46.7
82.5°	26.8	26.5	26.4	26.3	26.5	26.6	27.7	29.2	30.9	33.2	35.6
85°	14.1	13.6	14.3	14.6	14.1	14.8	15.3	16.2	16.9	18.0	19.2
87.5°	6.7	7.5	7.7	8.3	8.7	9.5	9.6	10.6	11.3	12.0	12.0
90°	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6	25.1	26.5	27.7
92.5°	37.8	39.9	42.4	44.9	47.3	49.8	51.7	53.6	55.5	57.4	58.7
95°	86.6	88.4	91.2	94.1	97.0	99.9	101.9	103.9	105.9	108.0	109.2
97.5°	141.0	143.1	147.1	151.1	155.1	159.0	160.9	162.8	164.7	166.6	167.8
100°	181.6	183.5	187.2	191.0	194.7	198.5	201.1	203.7	206.2	208.8	210.4
102.5°	230.8	232.4	234.3	236.2	238.1	240.0	242.8	245.6	248.4	251.3	253.1
105°	301.5	303.1	304.8	306.6	308.3	310.0	311.8	313.5	315.2	316.9	318.2
107.5°	378.3	379.7	381.0	382.3	383.7	385.0	385.9	386.7	387.6	388.5	388.9
110°	431.2	432.4	433.3	434.1	435.0	435.8	436.7	437.6	438.4	439.3	439.6



TEST NUMBER: P333359

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	482.4	483.4	484.4	485.5	486.6	487.7	488.1	488.5	488.9	489.3	489.3
115°	563.7	564.6	565.1	565.7	566.3	566.9	566.6	566.3	566.0	565.7	565.4
117.5°	641.1	641.6	642.1	642.6	643.1	643.7	643.9	644.1	644.3	644.6	644.1
120°	694.6	695.4	695.7	696.0	696.3	696.6	696.6	696.6	696.6	696.6	696.0
122.5°	744.8	745.5	746.2	747.0	747.7	748.5	748.2	748.0	747.8	747.5	747.0
125°	822.8	823.8	824.1	824.4	824.7	825.0	824.4	823.8	823.3	822.7	822.3
127.5°	897.7	898.3	898.7	899.0	899.4	899.7	899.4	899.1	898.8	898.6	898.1
130°	946.2	947.2	947.8	948.4	948.9	949.5	949.2	948.9	948.7	948.4	947.9
132.5°	996.6	997.7	997.6	997.5	997.4	997.3	997.0	996.7	996.4	996.1	995.6
135°	1068.0	1069.0	1069.3	1069.6	1069.9	1070.2	1070.2	1070.2	1070.2	1070.2	1069.6
137.5°	1137.3	1138.4	1139.1	1139.7	1140.4	1141.0	1141.3	1141.7	1142.0	1142.4	1141.8
140°	1181.0	1182.1	1183.0	1183.9	1184.7	1185.6	1186.2	1186.8	1187.3	1187.9	1187.5
142.5°	1224.7	1225.8	1226.9	1228.0	1229.1	1230.2	1230.6	1230.9	1231.3	1231.6	1231.1
145°	1290.1	1291.1	1292.0	1292.8	1293.7	1294.6	1294.6	1294.6	1294.6	1294.6	1294.1
147.5°	1348.7	1349.4	1350.1	1350.8	1351.5	1352.2	1352.9	1353.5	1354.2	1354.9	1354.3
150°	1385.5	1385.9	1387.1	1388.3	1389.4	1390.6	1390.6	1390.6	1390.6	1390.6	1390.3
152.5°	1421.5	1421.9	1422.4	1422.8	1423.3	1423.8	1424.5	1425.1	1425.8	1426.5	1426.4
155°	1471.0	1471.1	1471.4	1471.7	1472.0	1472.3	1473.4	1474.6	1475.7	1476.9	1476.7
157.5°	1514.1	1513.9	1514.2	1514.5	1514.8	1515.1	1516.2	1517.4	1518.5	1519.7	1519.3
160°	1540.2	1539.9	1540.2	1540.5	1540.7	1541.0	1542.2	1543.3	1544.5	1545.6	1545.5
162.5°	1565.0	1564.7	1564.7	1564.8	1564.8	1564.9	1566.3	1567.7	1569.0	1570.4	1570.3
165°	1597.1	1597.0	1597.2	1597.5	1597.8	1598.1	1599.3	1600.4	1601.6	1602.7	1602.4
167.5°	1621.8	1621.2	1621.2	1621.2	1621.2	1621.2	1622.9	1624.7	1626.4	1628.1	1628.1
170°	1636.3	1635.7	1635.7	1635.7	1635.7	1635.7	1637.5	1639.2	1640.9	1642.6	1642.5
172.5°	1646.7	1646.1	1646.1	1646.1	1646.1	1646.1	1647.8	1649.6	1651.3	1653.0	1653.0
175°	1658.4	1657.8	1657.8	1657.8	1657.8	1657.8	1659.5	1661.2	1663.0	1664.7	1664.5
177.5°	1665.2	1664.7	1664.4	1664.2	1664.0	1663.7	1665.1	1666.5	1667.9	1669.3	1669.2
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333359

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	518.7	520.0	518.9	520.4	518.9	520.0	518.7	519.8	521.5	520.4	523.0
5°	478.1	476.0	477.4	476.5	477.4	476.0	478.1	479.2	482.0	482.9	484.8
7.5°	440.6	438.6	436.3	435.2	436.3	438.6	440.6	441.2	443.6	447.1	449.7
10°	417.1	414.5	414.3	412.7	414.3	414.5	417.1	419.6	421.2	425.6	428.6
12.5°	399.9	397.5	394.9	394.2	394.9	397.5	399.9	402.1	402.6	407.5	409.6
15°	375.5	373.6	372.0	373.4	372.0	373.6	375.5	376.9	379.4	382.9	385.2
17.5°	355.2	353.7	353.4	351.7	353.4	353.7	355.2	356.0	360.1	362.4	366.4
20°	342.4	341.3	341.8	338.7	341.8	341.3	342.4	344.5	348.7	349.8	354.0
22.5°	332.3	330.0	329.7	329.1	329.7	330.0	332.3	334.2	335.0	338.6	341.4
25°	316.3	315.2	314.0	315.2	314.0	315.2	316.3	318.4	319.3	321.9	324.7
27.5°	302.4	301.0	300.7	300.9	300.7	301.0	302.4	302.2	304.7	306.8	308.8
30°	293.9	291.6	291.8	291.6	291.8	291.6	293.9	293.9	295.3	297.2	299.0
32.5°	284.7	283.1	282.8	282.4	282.8	283.1	284.7	284.3	286.1	288.3	290.3
35°	271.0	271.0	269.9	269.9	269.9	271.0	271.0	271.7	273.6	273.6	275.9
37.5°	258.2	258.0	257.3	257.4	257.3	258.0	258.2	258.8	259.4	260.4	261.9
40°	248.6	248.4	247.7	246.3	247.7	248.4	248.6	249.6	250.0	251.2	252.1
42.5°	239.4	238.6	238.3	237.8	238.3	238.6	239.4	239.9	240.2	241.7	243.6
45°	224.8	224.8	224.4	224.1	224.4	224.8	224.8	224.8	225.1	226.9	227.8
47.5°	210.7	211.1	212.0	211.8	212.0	211.1	210.7	210.3	210.4	211.3	212.4
50°	202.2	202.4	203.1	203.3	203.1	202.4	202.2	201.3	200.8	200.8	201.5
52.5°	192.8	194.1	195.0	194.8	195.0	194.1	192.8	192.0	191.2	190.1	191.1
55°	179.5	181.2	182.8	183.0	182.8	181.2	179.5	177.5	176.5	174.7	175.4
57.5°	166.5	168.7	170.4	171.0	170.4	168.7	166.5	164.0	161.0	160.1	158.8
60°	157.6	160.6	162.7	163.6	162.7	160.6	157.6	155.3	151.3	148.8	147.9
62.5°	149.1	152.5	154.5	154.7	154.5	152.5	149.1	145.5	141.6	138.6	136.8
65°	135.2	138.6	140.5	141.9	140.5	138.6	135.2	131.2	126.9	122.9	120.8
67.5°	120.2	123.7	125.7	126.8	125.7	123.7	120.2	115.3	111.3	106.8	104.4
70°	109.3	112.8	115.5	116.5	115.5	112.8	109.3	103.5	100.1	95.9	93.8
72.5°	98.6	101.7	103.9	105.0	103.9	101.7	98.6	93.2	89.1	85.0	82.2
75°	79.9	84.1	86.2	87.3	86.2	84.1	79.9	76.9	72.3	67.9	65.6
77.5°	61.6	65.4	66.7	67.3	66.7	65.4	61.6	58.1	54.6	51.4	49.2
80°	49.4	51.8	53.4	53.6	53.4	51.8	49.4	46.7	43.9	40.9	38.8
82.5°	38.0	39.9	40.4	41.0	40.4	39.9	38.0	35.6	33.2	30.9	29.2
85°	20.8	21.7	22.0	21.7	22.0	21.7	20.8	19.2	18.0	16.9	16.2
87.5°	12.5	12.5	12.7	13.3	12.7	12.5	12.5	12.0	12.0	11.3	10.6
90°	28.5	29.4	30.3	31.1	30.3	29.4	28.5	27.7	26.5	25.1	23.6
92.5°	59.3	60.0	60.6	61.2	60.6	60.0	59.3	58.7	57.4	55.5	53.6
95°	109.8	110.4	111.0	111.6	111.0	110.4	109.8	109.2	108.0	105.9	103.9
97.5°	168.1	168.5	168.8	169.2	168.8	168.5	168.1	167.8	166.6	164.7	162.8
100°	211.0	211.6	212.2	212.7	212.2	211.6	211.0	210.4	208.8	206.2	203.7
102.5°	253.9	254.7	255.5	256.3	255.5	254.7	253.9	253.1	251.3	248.4	245.6
105°	319.1	320.0	320.8	321.7	320.8	320.0	319.1	318.2	316.9	315.2	313.5
107.5°	388.8	388.7	388.7	388.6	388.7	388.7	388.8	388.9	388.5	387.6	386.7
110°	439.3	439.0	438.7	438.4	438.7	439.0	439.3	439.6	439.3	438.4	437.6



TEST NUMBER: P333359

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	488.8	488.3	487.7	487.2	487.7	488.3	488.8	489.3	489.3	488.9	488.5
115°	565.1	564.8	564.6	564.3	564.6	564.8	565.1	565.4	565.7	566.0	566.3
117.5°	643.0	641.8	640.7	639.5	640.7	641.8	643.0	644.1	644.6	644.3	644.1
120°	694.8	693.7	692.5	691.4	692.5	693.7	694.8	696.0	696.6	696.6	696.6
122.5°	746.0	745.1	744.2	743.3	744.2	745.1	746.0	747.0	747.5	747.8	748.0
125°	822.0	821.7	821.4	821.1	821.4	821.7	822.0	822.3	822.7	823.3	823.8
127.5°	897.6	897.0	896.4	895.8	896.4	897.0	897.6	898.1	898.6	898.8	899.1
130°	947.4	946.8	946.2	945.6	946.2	946.8	947.4	947.9	948.4	948.7	948.9
132.5°	994.8	993.9	993.1	992.3	993.1	993.9	994.8	995.6	996.1	996.4	996.7
135°	1068.4	1067.3	1066.1	1065.0	1066.1	1067.3	1068.4	1069.6	1070.2	1070.2	1070.2
137.5°	1140.4	1138.9	1137.5	1136.1	1137.5	1138.9	1140.4	1141.8	1142.4	1142.0	1141.7
140°	1186.0	1184.6	1183.2	1181.7	1183.2	1184.6	1186.0	1187.5	1187.9	1187.3	1186.8
142.5°	1229.6	1228.2	1226.7	1225.3	1226.7	1228.2	1229.6	1231.1	1231.6	1231.3	1230.9
145°	1293.3	1292.4	1291.5	1290.7	1291.5	1292.4	1293.3	1294.1	1294.6	1294.6	1294.6
147.5°	1352.3	1350.4	1348.4	1346.5	1348.4	1350.4	1352.3	1354.3	1354.9	1354.2	1353.5
150°	1389.7	1389.1	1388.5	1388.0	1388.5	1389.1	1389.7	1390.3	1390.6	1390.6	1390.6
152.5°	1425.3	1424.3	1423.2	1422.2	1423.2	1424.3	1425.3	1426.4	1426.5	1425.8	1425.1
155°	1475.3	1473.9	1472.4	1471.0	1472.4	1473.9	1475.3	1476.7	1476.9	1475.7	1474.6
157.5°	1517.4	1515.5	1513.6	1511.7	1513.6	1515.5	1517.4	1519.3	1519.7	1518.5	1517.4
160°	1544.1	1542.6	1541.2	1539.7	1541.2	1542.6	1544.1	1545.5	1545.6	1544.5	1543.3
162.5°	1568.6	1566.9	1565.3	1563.6	1565.3	1566.9	1568.6	1570.3	1570.4	1569.0	1567.7
165°	1600.7	1599.0	1597.2	1595.5	1597.2	1599.0	1600.7	1602.4	1602.7	1601.6	1600.4
167.5°	1626.3	1624.5	1622.7	1620.9	1622.7	1624.5	1626.3	1628.1	1628.1	1626.4	1624.7
170°	1640.5	1638.5	1636.4	1634.4	1636.4	1638.5	1640.5	1642.5	1642.6	1640.9	1639.2
172.5°	1651.2	1649.4	1647.6	1645.8	1647.6	1649.4	1651.2	1653.0	1653.0	1651.3	1649.6
175°	1662.5	1660.5	1658.5	1656.5	1658.5	1660.5	1662.5	1664.5	1664.7	1663.0	1661.2
177.5°	1667.5	1665.9	1664.3	1662.7	1664.3	1665.9	1667.5	1669.2	1669.3	1667.9	1666.5
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333359

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	520.6	522.8	525.5	527.6	531.3	532.9	535.0	536.6	539.6	542.4	545.7
5°	485.5	489.4	494.7	500.5	507.2	511.8	518.3	522.2	530.1	537.2	544.2
7.5°	453.7	458.5	466.0	473.4	482.2	490.1	498.2	507.2	517.2	529.1	538.9
10°	431.9	438.3	446.4	455.7	466.3	475.5	486.4	496.1	508.4	522.2	535.2
12.5°	414.5	420.0	429.0	437.9	449.3	460.6	471.8	484.6	498.9	514.3	530.5
15°	390.5	395.1	402.5	414.8	426.3	437.4	454.3	466.3	484.3	501.4	521.1
17.5°	370.0	375.8	382.0	392.5	404.5	418.3	433.4	448.5	465.8	487.5	509.6
20°	357.5	362.1	369.2	377.3	390.0	403.9	418.2	433.5	454.7	477.2	501.0
22.5°	343.8	348.8	356.9	365.7	376.4	389.7	405.5	422.2	444.4	466.4	492.3
25°	327.7	331.1	338.5	346.4	357.0	368.3	384.7	403.2	425.2	450.4	476.7
27.5°	312.5	315.5	322.2	329.1	338.7	352.1	366.8	385.5	406.2	431.7	460.9
30°	301.5	304.8	310.8	318.2	327.4	339.2	354.2	371.8	394.0	418.9	449.4
32.5°	292.1	295.0	299.5	306.9	316.0	327.4	341.3	359.2	381.4	406.7	436.7
35°	277.5	280.7	284.2	290.0	297.8	308.9	324.2	341.1	362.3	386.8	414.3
37.5°	263.0	266.5	269.6	274.8	281.9	291.7	304.9	322.5	341.7	365.3	391.7
40°	253.9	256.7	259.3	264.8	272.0	281.2	293.5	309.2	329.5	351.5	373.4
42.5°	244.9	247.5	249.6	254.5	261.1	269.9	281.6	297.0	315.8	336.3	355.7
45°	230.6	232.2	234.8	238.9	244.2	252.3	263.6	277.3	293.2	312.6	327.2
47.5°	215.2	217.7	219.8	223.4	227.8	235.7	246.6	258.2	272.7	287.1	297.3
50°	203.3	205.9	208.9	212.4	216.5	223.9	233.8	245.6	257.9	269.0	277.7
52.5°	192.2	194.6	197.8	201.1	206.2	212.4	220.9	231.4	243.5	251.4	258.7
55°	175.8	177.0	180.7	183.9	188.8	193.4	202.0	211.2	218.6	224.6	230.6
57.5°	159.1	160.6	162.8	165.7	170.5	175.9	181.9	190.1	194.4	197.5	202.2
60°	148.3	148.8	150.2	153.7	157.4	162.2	169.1	174.9	178.2	180.7	184.6
62.5°	136.5	136.6	138.9	141.5	144.2	149.5	155.1	159.8	162.4	163.7	167.4
65°	119.9	119.5	120.8	122.9	126.2	129.6	134.5	138.6	138.4	139.8	142.1
67.5°	103.0	102.5	102.5	104.5	107.1	110.2	113.5	116.0	116.0	117.8	119.0
70°	91.5	90.1	91.0	92.7	93.8	96.4	100.1	101.0	101.2	102.1	103.3
72.5°	79.7	79.2	79.9	80.6	81.4	83.4	86.6	87.1	87.2	87.7	89.6
75°	63.3	62.9	62.4	63.1	64.0	65.4	66.5	67.5	67.2	67.5	68.9
77.5°	47.5	46.2	45.9	46.3	46.5	47.4	48.6	48.5	48.7	48.7	50.2
80°	37.7	35.8	35.6	35.6	35.8	36.3	36.7	37.2	36.5	37.2	37.7
82.5°	27.7	26.6	26.5	26.3	26.4	26.5	26.8	27.0	26.9	27.2	27.5
85°	15.3	14.8	14.1	14.6	14.3	13.6	14.1	13.4	13.2	13.4	13.6
87.5°	9.6	9.5	8.7	8.3	7.7	7.5	6.7	6.1	5.4	5.2	5.3
90°	22.2	20.8	18.7	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3
92.5°	51.7	49.8	47.3	44.9	42.4	39.9	37.8	36.2	34.6	33.0	31.4
95°	101.9	99.9	97.0	94.1	91.2	88.4	86.6	86.0	85.5	84.9	84.3
97.5°	160.9	159.0	155.1	151.1	147.1	143.1	141.0	140.8	140.6	140.3	140.1
100°	201.1	198.5	194.7	191.0	187.2	183.5	181.6	181.6	181.6	181.6	181.6
102.5°	242.8	240.0	238.1	236.2	234.3	232.4	230.8	229.7	228.5	227.4	226.2
105°	311.8	310.0	308.3	306.6	304.8	303.1	301.5	300.1	298.6	297.2	295.8
107.5°	385.9	385.0	383.7	382.3	381.0	379.7	378.3	376.9	375.4	374.0	372.5
110°	436.7	435.8	435.0	434.1	433.3	432.4	431.2	429.8	428.4	426.9	425.5



TEST NUMBER: P333359

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	488.1	487.7	486.6	485.5	484.4	483.4	482.4	481.7	480.9	480.2	479.4
115°	566.6	566.9	566.3	565.7	565.1	564.6	563.7	562.5	561.4	560.2	559.1
117.5°	643.9	643.7	643.1	642.6	642.1	641.6	641.1	640.5	640.0	639.5	639.0
120°	696.6	696.6	696.3	696.0	695.7	695.4	694.6	693.1	691.7	690.2	688.8
122.5°	748.2	748.5	747.7	747.0	746.2	745.5	744.8	744.3	743.8	743.3	742.8
125°	824.4	825.0	824.7	824.4	824.1	823.8	822.8	821.1	819.4	817.6	815.9
127.5°	899.4	899.7	899.4	899.0	898.7	898.3	897.7	896.7	895.7	894.7	893.7
130°	949.2	949.5	948.9	948.4	947.8	947.2	946.2	944.8	943.3	941.9	940.4
132.5°	997.0	997.3	997.4	997.5	997.6	997.7	996.6	994.2	991.9	989.5	987.1
135°	1070.2	1070.2	1069.9	1069.6	1069.3	1069.0	1068.0	1066.3	1064.5	1062.8	1061.1
137.5°	1141.3	1141.0	1140.4	1139.7	1139.1	1138.4	1137.3	1135.6	1134.0	1132.3	1130.6
140°	1186.2	1185.6	1184.7	1183.9	1183.0	1182.1	1181.0	1179.6	1178.1	1176.7	1175.2
142.5°	1230.6	1230.2	1229.1	1228.0	1226.9	1225.8	1224.7	1223.5	1222.3	1221.1	1219.9
145°	1294.6	1294.6	1293.7	1292.8	1292.0	1291.1	1290.1	1288.9	1287.8	1286.6	1285.5
147.5°	1352.9	1352.2	1351.5	1350.8	1350.1	1349.4	1348.7	1348.1	1347.5	1346.8	1346.2
150°	1390.6	1390.6	1389.4	1388.3	1387.1	1385.9	1385.5	1385.8	1386.1	1386.4	1386.7
152.5°	1424.5	1423.8	1423.3	1422.8	1422.4	1421.9	1421.5	1421.1	1420.7	1420.3	1419.9
155°	1473.4	1472.3	1472.0	1471.7	1471.4	1471.1	1471.0	1471.0	1471.0	1471.0	1471.0
157.5°	1516.2	1515.1	1514.8	1514.5	1514.2	1513.9	1514.1	1514.7	1515.4	1516.0	1516.6
160°	1542.2	1541.0	1540.7	1540.5	1540.2	1539.9	1540.2	1541.0	1541.9	1542.8	1543.6
162.5°	1566.3	1564.9	1564.8	1564.8	1564.7	1564.7	1565.0	1565.6	1566.2	1566.9	1567.5
165°	1599.3	1598.1	1597.8	1597.5	1597.2	1597.0	1597.1	1597.7	1598.2	1598.8	1599.4
167.5°	1622.9	1621.2	1621.2	1621.2	1621.2	1621.2	1621.8	1622.9	1624.1	1625.2	1626.4
170°	1637.5	1635.7	1635.7	1635.7	1635.7	1635.7	1636.3	1637.5	1638.6	1639.8	1640.9
172.5°	1647.8	1646.1	1646.1	1646.1	1646.1	1646.1	1646.7	1647.8	1649.0	1650.1	1651.3
175°	1659.5	1657.8	1657.8	1657.8	1657.8	1657.8	1658.4	1659.5	1660.7	1661.8	1663.0
177.5°	1665.1	1663.7	1664.0	1664.2	1664.4	1664.7	1665.2	1666.2	1667.1	1668.0	1668.9
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333359

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	547.4	549.9	551.6	554.7	557.3	558.8	560.1	561.2	562.5	563.6	566.8
5°	550.9	556.9	562.0	569.8	577.0	582.5	588.5	593.8	598.2	604.5	609.3
7.5°	549.3	560.0	571.2	583.4	595.8	607.3	618.0	627.9	636.9	647.8	657.4
10°	547.9	562.4	576.7	593.2	610.0	624.3	637.7	651.4	661.3	675.2	687.0
12.5°	546.8	563.9	581.2	600.9	619.4	639.7	657.5	667.5	682.6	693.7	707.7
15°	542.1	564.7	588.5	610.7	637.1	655.8	671.5	690.9	705.0	719.1	734.3
17.5°	533.7	559.4	586.0	615.1	640.3	660.4	680.7	699.4	716.2	735.1	754.1
20°	529.8	555.5	586.0	615.8	640.5	661.5	682.3	702.9	721.4	745.7	767.6
22.5°	521.7	552.7	580.8	609.9	635.3	658.2	681.8	705.1	729.7	757.1	784.6
25°	507.2	538.6	568.4	597.1	622.7	651.4	676.6	707.8	739.2	775.5	809.7
27.5°	492.1	522.2	549.5	577.2	607.1	639.6	672.2	707.6	748.8	794.6	842.8
30°	479.9	508.4	534.9	563.3	594.5	631.0	666.9	708.9	756.5	808.0	865.4
32.5°	465.7	491.9	517.7	547.8	581.8	620.3	662.1	708.2	765.4	823.9	882.9
35°	441.3	463.3	489.9	522.0	560.3	604.5	652.8	707.3	772.9	840.2	889.8
37.5°	412.5	432.9	460.9	496.1	536.3	583.7	641.0	705.7	775.4	829.0	845.0
40°	393.0	412.0	441.1	477.6	518.7	568.9	631.7	700.1	767.6	801.8	788.6
42.5°	372.3	392.2	420.6	456.7	501.0	555.6	620.1	688.5	745.1	758.0	712.5
45°	339.7	360.2	388.2	424.7	472.3	531.5	598.7	660.9	693.4	670.1	599.6
47.5°	309.3	328.6	354.5	392.2	441.3	502.5	567.2	616.8	619.4	563.7	488.4
50°	288.6	306.4	332.5	370.2	418.9	480.9	539.3	578.4	560.8	497.7	425.4
52.5°	268.3	285.7	311.4	348.7	396.9	453.7	508.1	535.5	502.4	437.6	375.9
55°	238.9	254.2	279.4	313.8	359.5	412.2	458.4	467.9	424.9	361.2	311.0
57.5°	210.3	224.5	247.4	279.1	321.0	367.6	403.8	401.7	356.3	301.6	261.8
60°	190.9	204.7	225.1	256.0	294.2	334.4	365.3	357.9	312.9	265.7	232.2
62.5°	173.5	185.9	205.1	232.2	267.0	304.2	329.6	318.7	274.6	233.4	206.9
65°	147.9	158.3	174.7	197.8	226.7	257.4	277.1	263.0	225.3	193.2	171.9
67.5°	123.4	131.8	145.5	164.0	188.6	213.3	225.2	211.1	180.9	157.5	141.7
70°	107.9	115.3	125.9	142.3	163.8	184.6	193.6	180.9	155.0	134.9	123.6
72.5°	92.4	98.5	107.8	122.6	139.8	157.8	165.7	153.6	132.3	115.3	104.8
75°	71.4	75.6	82.0	92.2	105.8	120.2	124.5	113.9	100.3	87.6	80.6
77.5°	51.1	54.6	59.5	65.9	75.6	84.7	88.5	82.4	71.9	63.8	58.1
80°	39.3	41.1	45.3	50.6	58.2	64.0	66.5	62.6	55.2	49.2	44.8
82.5°	28.0	29.9	32.3	36.7	41.6	45.5	48.2	45.6	40.3	35.5	33.0
85°	13.6	14.8	16.2	18.0	21.7	24.0	23.8	22.2	20.1	18.3	16.9
87.5°	5.5	6.2	7.2	8.6	9.6	10.7	11.5	11.5	11.2	10.9	10.6
90°	3.6	5.9	8.2	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6
92.5°	33.0	34.6	36.2	37.8	39.9	42.4	44.9	47.3	49.8	51.7	53.6
95°	84.9	85.5	86.0	86.6	88.4	91.2	94.1	97.0	99.9	101.9	103.9
97.5°	140.3	140.6	140.8	141.0	143.1	147.1	151.1	155.1	159.0	160.9	162.8
100°	181.6	181.6	181.6	181.6	183.5	187.2	191.0	194.7	198.5	201.1	203.7
102.5°	227.4	228.5	229.7	230.8	232.4	234.3	236.2	238.1	240.0	242.8	245.6
105°	297.2	298.6	300.1	301.5	303.1	304.8	306.6	308.3	310.0	311.8	313.5
107.5°	374.0	375.4	376.9	378.3	379.7	381.0	382.3	383.7	385.0	385.9	386.7
110°	426.9	428.4	429.8	431.2	432.4	433.3	434.1	435.0	435.8	436.7	437.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	480.2	480.9	481.7	482.4	483.4	484.4	485.5	486.6	487.7	488.1	488.5
115°	560.2	561.4	562.5	563.7	564.6	565.1	565.7	566.3	566.9	566.6	566.3
117.5°	639.5	640.0	640.5	641.1	641.6	642.1	642.6	643.1	643.7	643.9	644.1
120°	690.2	691.7	693.1	694.6	695.4	695.7	696.0	696.3	696.6	696.6	696.6
122.5°	743.3	743.8	744.3	744.8	745.5	746.2	747.0	747.7	748.5	748.2	748.0
125°	817.6	819.4	821.1	822.8	823.8	824.1	824.4	824.7	825.0	824.4	823.8
127.5°	894.7	895.7	896.7	897.7	898.3	898.7	899.0	899.4	899.7	899.4	899.1
130°	941.9	943.3	944.8	946.2	947.2	947.8	948.4	948.9	949.5	949.2	948.9
132.5°	989.5	991.9	994.2	996.6	997.7	997.6	997.5	997.4	997.3	997.0	996.7
135°	1062.8	1064.5	1066.3	1068.0	1069.0	1069.3	1069.6	1069.9	1070.2	1070.2	1070.2
137.5°	1132.3	1134.0	1135.6	1137.3	1138.4	1139.1	1139.7	1140.4	1141.0	1141.3	1141.7
140°	1176.7	1178.1	1179.6	1181.0	1182.1	1183.0	1183.9	1184.7	1185.6	1186.2	1186.8
142.5°	1221.1	1222.3	1223.5	1224.7	1225.8	1226.9	1228.0	1229.1	1230.2	1230.6	1230.9
145°	1286.6	1287.8	1288.9	1290.1	1291.1	1292.0	1292.8	1293.7	1294.6	1294.6	1294.6
147.5°	1346.8	1347.5	1348.1	1348.7	1349.4	1350.1	1350.8	1351.5	1352.2	1352.9	1353.5
150°	1386.4	1386.1	1385.8	1385.5	1385.9	1387.1	1388.3	1389.4	1390.6	1390.6	1390.6
152.5°	1420.3	1420.7	1421.1	1421.5	1421.9	1422.4	1422.8	1423.3	1423.8	1424.5	1425.1
155°	1471.0	1471.0	1471.0	1471.0	1471.1	1471.4	1471.7	1472.0	1472.3	1473.4	1474.6
157.5°	1516.0	1515.4	1514.7	1514.1	1513.9	1514.2	1514.5	1514.8	1515.1	1516.2	1517.4
160°	1542.8	1541.9	1541.0	1540.2	1539.9	1540.2	1540.5	1540.7	1541.0	1542.2	1543.3
162.5°	1566.9	1566.2	1565.6	1565.0	1564.7	1564.7	1564.8	1564.8	1564.9	1566.3	1567.7
165°	1598.8	1598.2	1597.7	1597.1	1597.0	1597.2	1597.5	1597.8	1598.1	1599.3	1600.4
167.5°	1625.2	1624.1	1622.9	1621.8	1621.2	1621.2	1621.2	1621.2	1621.2	1622.9	1624.7
170°	1639.8	1638.6	1637.5	1636.3	1635.7	1635.7	1635.7	1635.7	1635.7	1637.5	1639.2
172.5°	1650.1	1649.0	1647.8	1646.7	1646.1	1646.1	1646.1	1646.1	1646.1	1647.8	1649.6
175°	1661.8	1660.7	1659.5	1658.4	1657.8	1657.8	1657.8	1657.8	1657.8	1659.5	1661.2
177.5°	1668.0	1667.1	1666.2	1665.2	1664.7	1664.4	1664.2	1664.0	1663.7	1665.1	1666.5
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	569.4	570.8	574.0	572.9	574.3	575.1	575.8
5°	615.3	622.7	626.0	625.5	630.4	629.2	628.0
7.5°	667.3	675.0	679.4	684.8	687.9	688.2	690.9
10°	696.7	706.8	711.0	716.8	720.5	722.6	722.3
12.5°	719.2	727.2	736.5	739.3	744.3	747.0	746.0
15°	746.4	759.1	768.8	773.6	779.9	781.7	784.2
17.5°	770.6	787.6	798.9	814.0	819.7	823.2	821.1
20°	788.9	811.3	822.6	840.6	850.6	855.9	854.0
22.5°	810.5	834.8	855.7	871.3	886.4	893.6	895.1
25°	847.6	880.8	911.6	932.1	950.8	955.2	964.9
27.5°	889.0	928.2	961.1	982.7	995.7	1000.6	1003.7
30°	915.0	954.1	978.8	992.7	996.8	996.4	995.9
32.5°	927.8	952.2	957.0	953.1	943.6	935.5	927.1
35°	909.7	891.5	864.2	829.1	803.2	777.1	774.5
37.5°	818.2	759.8	714.4	663.7	634.5	616.4	603.9
40°	732.0	665.7	610.7	568.0	538.2	526.4	514.8
42.5°	638.5	575.1	526.4	490.7	468.3	455.2	446.1
45°	518.7	462.8	424.7	398.8	381.0	370.9	365.1
47.5°	425.1	383.7	351.3	332.6	320.4	312.5	312.5
50°	374.8	335.3	313.8	299.0	288.4	282.1	283.3
52.5°	330.2	300.7	282.4	270.0	262.1	258.3	258.1
55°	276.1	254.9	242.9	233.8	228.5	224.1	225.1
57.5°	236.2	218.3	210.2	202.7	199.0	197.3	194.7
60°	211.4	197.6	190.6	184.6	180.9	179.5	177.0
62.5°	189.4	178.5	171.8	166.9	163.6	163.1	161.1
65°	159.2	150.9	144.9	142.6	139.1	138.2	138.2
67.5°	131.2	125.3	120.6	118.5	117.0	117.2	116.1
70°	113.7	108.8	105.8	103.5	102.4	102.6	101.7
72.5°	99.5	94.0	91.4	90.0	88.5	89.1	88.7
75°	75.3	72.6	71.2	69.8	68.9	68.4	67.9
77.5°	55.3	52.9	51.8	51.0	51.2	50.0	50.9
80°	42.7	40.7	40.0	38.8	38.6	38.6	38.4
82.5°	31.3	30.1	29.6	28.7	28.2	28.6	28.0
85°	16.2	15.3	15.0	15.0	14.6	14.1	15.3
87.5°	10.9	10.5	10.7	10.7	10.9	10.9	10.7
90°	25.1	26.5	27.7	28.5	29.4	30.3	31.1
92.5°	55.5	57.4	58.7	59.3	60.0	60.6	61.2
95°	105.9	108.0	109.2	109.8	110.4	111.0	111.6
97.5°	164.7	166.6	167.8	168.1	168.5	168.8	169.2
100°	206.2	208.8	210.4	211.0	211.6	212.2	212.7
102.5°	248.4	251.3	253.1	253.9	254.7	255.5	256.3
105°	315.2	316.9	318.2	319.1	320.0	320.8	321.7
107.5°	387.6	388.5	388.9	388.8	388.7	388.7	388.6
110°	438.4	439.3	439.6	439.3	439.0	438.7	438.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	488.9	489.3	489.3	488.8	488.3	487.7	487.2
115°	566.0	565.7	565.4	565.1	564.8	564.6	564.3
117.5°	644.3	644.6	644.1	643.0	641.8	640.7	639.5
120°	696.6	696.6	696.0	694.8	693.7	692.5	691.4
122.5°	747.8	747.5	747.0	746.0	745.1	744.2	743.3
125°	823.3	822.7	822.3	822.0	821.7	821.4	821.1
127.5°	898.8	898.6	898.1	897.6	897.0	896.4	895.8
130°	948.7	948.4	947.9	947.4	946.8	946.2	945.6
132.5°	996.4	996.1	995.6	994.8	993.9	993.1	992.3
135°	1070.2	1070.2	1069.6	1068.4	1067.3	1066.1	1065.0
137.5°	1142.0	1142.4	1141.8	1140.4	1138.9	1137.5	1136.1
140°	1187.3	1187.9	1187.5	1186.0	1184.6	1183.2	1181.7
142.5°	1231.3	1231.6	1231.1	1229.6	1228.2	1226.7	1225.3
145°	1294.6	1294.6	1294.1	1293.3	1292.4	1291.5	1290.7
147.5°	1354.2	1354.9	1354.3	1352.3	1350.4	1348.4	1346.5
150°	1390.6	1390.6	1390.3	1389.7	1389.1	1388.5	1388.0
152.5°	1425.8	1426.5	1426.4	1425.3	1424.3	1423.2	1422.2
155°	1475.7	1476.9	1476.7	1475.3	1473.9	1472.4	1471.0
157.5°	1518.5	1519.7	1519.3	1517.4	1515.5	1513.6	1511.7
160°	1544.5	1545.6	1545.5	1544.1	1542.6	1541.2	1539.7
162.5°	1569.0	1570.4	1570.3	1568.6	1566.9	1565.3	1563.6
165°	1601.6	1602.7	1602.4	1600.7	1599.0	1597.2	1595.5
167.5°	1626.4	1628.1	1628.1	1626.3	1624.5	1622.7	1620.9
170°	1640.9	1642.6	1642.5	1640.5	1638.5	1636.4	1634.4
172.5°	1651.3	1653.0	1653.0	1651.2	1649.4	1647.6	1645.8
175°	1663.0	1664.7	1664.5	1662.5	1660.5	1658.5	1656.5
177.5°	1667.9	1669.3	1669.2	1667.5	1665.9	1664.3	1662.7
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9

(END OF REPORT)