

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: P333364-940

Luminaire Tested: **S125DIW-S375D1560U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333364-940
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: S125DIW-S375D1560U940-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6934.3 lumens
Efficiency: N/A
Efficacy: 129.9 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

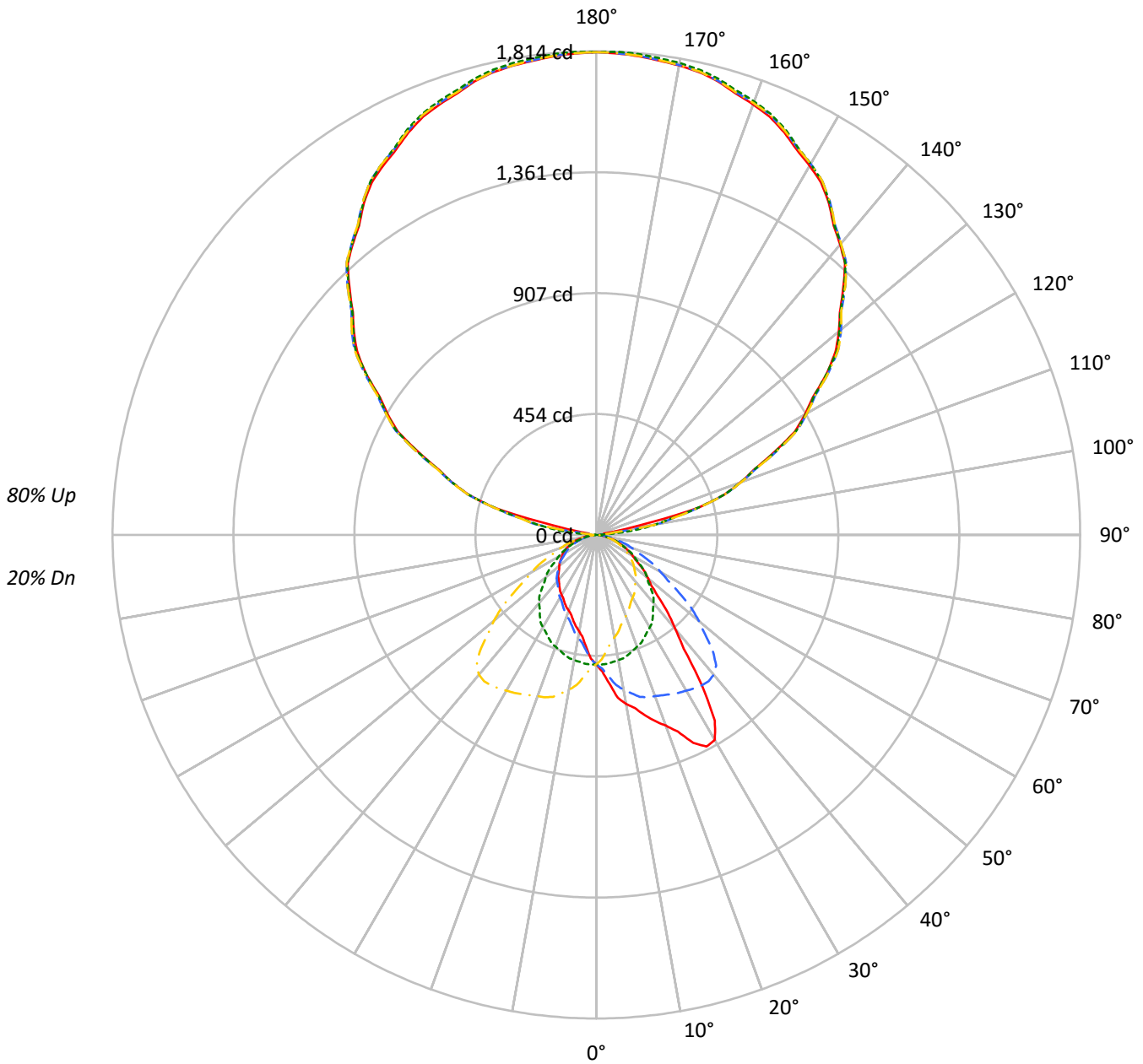
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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										
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	50	30	10	50	30	10	0														
RCR																																						
0	100	100	100	100	88	88	88	88	67	67	67	47	47	47	28	28	28	20																				
1	91	87	83	80	80	77	74	71	58	56	55	41	40	39	25	25	24	17																				
2	83	76	70	65	73	67	63	58	51	48	45	36	34	32	22	21	20	14																				
3	76	67	60	54	67	59	53	49	45	41	38	32	30	27	20	18	17	12																				
4	69	59	52	46	61	52	46	41	40	36	32	28	26	23	18	16	15	10																				
5	63	52	45	39	56	47	40	35	36	31	28	25	23	20	16	14	13	9																				
6	58	47	39	34	51	42	35	30	32	27	24	23	20	18	14	13	11	8																				
7	54	42	35	29	47	37	31	26	29	24	21	21	18	15	13	11	10	7																				
8	50	38	31	26	44	34	28	23	26	22	18	19	16	14	12	10	9	6																				
9	46	34	27	23	41	31	25	20	24	19	16	17	14	12	11	9	8	6																				
10	43	31	25	20	38	28	22	18	22	17	15	16	13	11	10	8	7	5																				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3135	3135	3135	3135
5°	3630	3146	2755	3146
10°	4224	3129	2413	3129
15°	4676	3107	2226	3107
20°	5234	3070	2076	3070
25°	6131	3029	2003	3029
30°	6623	2988	1939	2988
35°	5445	2912	1898	2912
40°	3871	2807	1851	2807
45°	2974	2665	1825	2665
50°	2538	2488	1822	2488
55°	2260	2315	1838	2315
60°	2038	2126	1885	2126
65°	1883	1936	1933	1936
70°	1713	1739	1962	1739
75°	1510	1532	1941	1532
80°	1272	1250	1778	1250
85°	1008	897	1438	897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	0.7
10°-20°	139.1	2.0
20°-30°	225.9	3.3
30°-40°	275.6	4.0
40°-50°	250.7	3.6
50°-60°	199.7	2.9
60°-70°	139.1	2.0
70°-80°	74.2	1.1
80°-90°	22.5	0.3
90°-100°	65.8	0.9
100°-110°	405.6	5.8
110°-120°	735.5	10.6
120°-130°	944.0	13.6
130°-140°	1015.3	14.6
140°-150°	953.0	13.7
150°-160°	770.9	11.1
160°-170°	498.6	7.2
170°-180°	172.0	2.5
0°-30°	411.8	5.9
0°-40°	687.4	9.9
0°-60°	1137.8	16.4
0°-90°	1373.6	19.8
90°-120°	1206.9	17.4
90°-150°	4119.2	59.4
90°-180°	5561.0	80.2
0°-180°	6934.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	560	485	425	485	560	56
15°	699	465	333	465	699	200
25°	860	425	281	425	860	393
35°	691	369	241	369	691	423
45°	326	292	200	292	326	261
55°	201	206	163	206	201	181
65°	123	127	126	127	123	122
75°	60	61	78	61	60	65
85°	14	12	19	12	14	17
90°	32	1	32	1	32	14
95°	28	76	28	76	28	23
105°	399	395	399	395	399	360
115°	736	741	736	741	736	730
125°	1054	1054	1054	1054	1054	937
135°	1309	1314	1309	1314	1309	1010
145°	1520	1524	1520	1524	1520	949
155°	1666	1678	1666	1678	1666	768
165°	1761	1771	1761	1771	1761	497
175°	1803	1811	1803	1811	1803	172
180°	1811	1811	1811	1811	1811	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	513.4	512.8	512.1	510.9	511.8	509.0	507.7	505.4	502.6	501.6	500.4
5°	560.0	561.1	562.1	557.8	558.2	555.3	548.7	543.3	539.0	533.4	529.5
7.5°	616.1	613.7	613.4	610.6	605.8	601.9	595.0	586.2	577.7	567.9	559.9
10°	644.1	644.4	642.5	639.2	634.0	630.3	621.3	612.6	602.1	589.7	580.9
12.5°	665.2	666.1	663.7	659.2	656.7	648.5	641.3	631.1	618.6	608.7	595.2
15°	699.3	697.1	695.4	689.8	685.5	676.9	665.6	654.8	641.2	628.7	616.1
17.5°	732.2	734.1	730.9	725.9	712.4	702.3	687.2	672.4	655.5	638.6	623.7
20°	761.5	763.2	758.5	749.6	733.5	723.4	703.5	684.5	664.9	643.3	626.8
22.5°	798.2	796.8	790.4	776.9	763.0	744.4	722.7	699.6	675.1	650.7	628.7
25°	860.4	851.8	847.8	831.2	812.9	785.4	755.8	722.0	691.5	659.2	631.2
27.5°	895.0	892.2	887.9	876.3	857.0	827.7	792.7	751.5	708.6	667.7	631.0
30°	888.1	888.5	888.9	885.2	872.8	850.8	815.9	771.7	720.5	674.6	632.1
32.5°	826.7	834.2	841.4	849.9	853.4	849.1	827.3	787.3	734.7	682.5	631.5
35°	690.6	692.9	716.2	739.3	770.6	795.0	811.2	793.4	749.2	689.2	630.7
37.5°	538.5	549.7	565.8	591.8	637.0	677.5	729.6	753.5	739.2	691.4	629.3
40°	459.1	469.4	479.9	506.5	544.6	593.6	652.7	703.2	715.0	684.5	624.3
42.5°	397.8	405.9	417.6	437.6	469.4	512.8	569.4	635.3	675.9	664.4	613.9
45°	325.6	330.7	339.7	355.6	378.7	412.7	462.5	534.7	597.5	618.3	589.3
47.5°	278.7	278.7	285.7	296.6	313.3	342.1	379.1	435.5	502.7	552.3	550.0
50°	252.6	251.6	257.2	266.6	279.8	299.0	334.2	379.3	443.8	500.1	515.8
52.5°	230.2	230.3	233.7	240.8	251.8	268.1	294.4	335.2	390.2	448.0	477.5
55°	200.7	199.8	203.8	208.5	216.6	227.3	246.2	277.3	322.1	378.9	417.2
57.5°	173.6	175.9	177.5	180.7	187.4	194.7	210.6	233.4	268.9	317.7	358.2
60°	157.8	160.1	161.3	164.6	170.0	176.2	188.5	207.1	236.9	279.0	319.1
62.5°	143.7	145.4	145.9	148.8	153.2	159.2	168.9	184.5	208.1	244.9	284.2
65°	123.2	123.2	124.0	127.2	129.2	134.6	142.0	153.3	172.3	200.9	234.5
67.5°	103.5	104.5	104.3	105.7	107.5	111.7	117.0	126.4	140.4	161.3	188.2
70°	90.7	91.5	91.3	92.3	94.3	97.0	101.4	110.2	120.3	138.2	161.3
72.5°	79.1	79.5	78.9	80.3	81.5	83.8	88.7	93.5	102.8	118.0	137.0
75°	60.5	61.0	61.4	62.2	63.5	64.7	67.1	71.9	78.1	89.4	101.6
77.5°	45.4	44.6	45.7	45.5	46.2	47.2	49.3	51.8	56.9	64.1	73.5
80°	34.2	34.4	34.4	34.6	35.7	36.3	38.1	39.9	43.9	49.2	55.8
82.5°	25.0	25.5	25.1	25.6	26.4	26.8	27.9	29.4	31.7	35.9	40.7
85°	13.6	12.6	13.0	13.4	13.4	13.6	14.4	15.1	16.3	17.9	19.8
87.5°	10.4	10.5	10.5	10.3	10.3	10.1	10.4	10.2	10.3	10.5	10.8
90°	32.2	31.3	30.4	29.5	28.6	27.5	25.9	24.4	23.0	21.5	19.4
92.5°	30.1	29.7	29.2	28.8	28.4	27.5	25.9	24.4	23.0	21.5	19.6
95°	28.2	28.2	28.2	28.2	28.2	27.5	25.9	24.4	23.0	21.5	32.8
97.5°	28.2	28.2	28.2	28.2	28.2	32.4	40.8	49.2	57.6	66.1	88.5
100°	28.2	29.4	30.6	31.7	33.0	55.8	100.2	144.6	189.1	233.5	232.4
102.5°	168.9	189.1	209.5	229.7	250.0	264.4	272.8	281.2	289.6	298.0	297.3
105°	398.7	399.0	399.3	399.6	399.8	400.0	400.0	400.0	400.0	400.0	400.0
107.5°	502.6	503.5	504.4	505.2	506.1	506.6	506.5	506.5	506.4	506.3	505.8
110°	574.5	574.3	573.9	573.6	573.4	573.6	574.5	575.4	576.3	577.2	576.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	638.9	639.4	639.8	640.2	640.6	641.4	642.6	643.6	644.8	646.0	645.6
115°	735.6	737.4	739.1	741.0	742.8	744.2	745.5	746.6	747.8	749.0	748.8
117.5°	838.7	839.5	840.3	841.1	841.8	842.9	844.5	846.1	847.6	849.2	848.0
120°	902.1	903.6	905.0	906.5	908.0	909.1	909.6	910.3	910.9	911.4	910.5
122.5°	962.2	963.9	965.6	967.4	969.1	970.3	970.9	971.4	972.1	972.7	972.2
125°	1053.7	1054.6	1055.5	1056.4	1057.3	1058.4	1059.5	1060.8	1061.9	1063.1	1063.1
127.5°	1130.8	1133.0	1135.2	1137.4	1139.6	1141.0	1141.7	1142.4	1143.0	1143.7	1143.9
130°	1186.6	1188.1	1189.6	1191.1	1192.6	1193.8	1194.7	1195.6	1196.5	1197.4	1197.0
132.5°	1238.1	1239.7	1241.2	1242.7	1244.1	1245.0	1245.2	1245.4	1245.5	1245.7	1246.3
135°	1308.8	1310.5	1312.3	1314.1	1315.9	1317.1	1317.8	1318.3	1318.9	1319.6	1320.1
137.5°	1379.7	1381.2	1382.8	1384.3	1385.9	1386.6	1386.4	1386.3	1386.3	1386.1	1386.6
140°	1421.6	1423.3	1425.1	1426.9	1428.7	1429.3	1428.7	1428.1	1427.5	1426.9	1427.2
142.5°	1461.2	1463.0	1464.8	1466.6	1468.5	1469.3	1469.2	1469.0	1468.9	1468.8	1468.4
145°	1519.6	1521.3	1523.1	1524.9	1526.7	1527.4	1527.1	1526.9	1526.5	1526.3	1526.3
147.5°	1567.6	1569.8	1571.9	1574.0	1576.2	1577.1	1576.7	1576.4	1576.0	1575.7	1575.3
150°	1598.7	1601.2	1603.5	1605.9	1608.3	1609.2	1608.6	1607.9	1607.4	1606.8	1606.1
152.5°	1627.7	1629.9	1632.0	1634.1	1636.3	1637.1	1636.5	1635.9	1635.3	1634.7	1634.1
155°	1665.8	1668.2	1670.6	1673.0	1675.3	1676.1	1675.3	1674.4	1673.5	1672.6	1672.0
157.5°	1697.8	1700.1	1702.5	1705.0	1707.4	1708.1	1707.1	1706.1	1705.2	1704.2	1704.1
160°	1718.2	1720.6	1723.0	1725.4	1727.8	1728.3	1727.2	1725.9	1724.7	1723.6	1723.2
162.5°	1736.4	1739.1	1741.7	1744.4	1747.0	1747.4	1745.8	1744.1	1742.4	1740.7	1740.4
165°	1761.1	1763.5	1765.9	1768.4	1770.7	1771.0	1769.2	1767.4	1765.6	1763.8	1763.5
167.5°	1778.3	1781.0	1783.7	1786.4	1789.0	1789.3	1787.2	1785.0	1782.9	1780.7	1780.5
170°	1788.0	1790.6	1793.4	1796.1	1798.8	1798.8	1796.5	1794.1	1791.7	1789.3	1789.0
172.5°	1794.5	1797.2	1799.8	1802.5	1805.2	1805.4	1803.3	1801.2	1799.0	1796.9	1796.4
175°	1802.8	1805.4	1808.1	1810.8	1813.5	1813.7	1811.2	1808.8	1806.5	1804.1	1803.8
177.5°	1807.6	1809.5	1811.4	1813.3	1815.3	1815.3	1813.7	1812.0	1810.4	1808.7	1808.4
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	499.4	498.3	497.0	494.6	491.9	490.4	488.1	486.6	483.7	481.2	478.5
5°	524.8	519.4	514.5	508.1	501.1	496.6	491.2	485.3	479.0	472.7	465.7
7.5°	551.1	541.5	531.3	520.2	509.3	499.4	489.8	480.5	471.8	461.2	452.3
10°	568.6	556.7	543.9	529.0	514.2	501.5	488.6	477.2	465.7	453.3	442.4
12.5°	586.3	570.4	552.3	535.8	518.3	502.8	487.6	473.1	458.6	444.9	432.1
15°	598.8	584.8	568.1	544.6	524.8	503.5	483.4	464.7	447.1	431.9	415.8
17.5°	607.0	588.9	571.0	548.5	522.5	498.8	475.9	454.4	434.7	415.4	399.9
20°	608.4	589.9	571.1	549.1	522.5	495.3	472.4	446.7	425.5	405.5	386.6
22.5°	608.0	586.9	566.5	543.9	517.9	492.8	465.2	439.0	415.9	396.3	376.5
25°	603.3	580.9	555.3	532.4	506.8	480.3	452.3	425.1	401.6	379.2	359.5
27.5°	599.4	570.3	541.4	514.7	490.0	465.7	438.8	411.0	385.0	362.2	343.8
30°	594.7	562.7	530.1	502.3	477.0	453.3	427.9	400.7	373.5	351.3	331.5
32.5°	590.4	553.1	518.8	488.5	461.6	438.6	415.3	389.4	362.7	340.1	320.3
35°	582.1	539.0	499.6	465.5	436.8	413.1	393.5	369.4	344.9	323.1	304.2
37.5°	571.6	520.5	478.2	442.4	411.0	386.0	367.8	349.3	325.7	304.7	287.6
40°	563.3	507.3	462.5	425.9	393.3	367.4	350.4	333.0	313.4	293.8	275.7
42.5°	552.9	495.4	446.7	407.2	375.1	349.7	332.0	317.2	299.9	281.6	264.8
45°	533.9	473.9	421.2	378.7	346.2	321.2	302.9	291.8	278.7	261.4	247.3
47.5°	505.8	448.1	393.5	349.7	316.1	293.0	275.8	265.1	256.0	243.2	230.2
50°	480.9	428.8	373.5	330.1	296.5	273.2	257.3	247.6	239.9	230.0	219.0
52.5°	453.1	404.6	353.9	310.9	277.7	254.8	239.2	230.7	224.2	217.1	206.3
55°	408.8	367.6	320.6	279.8	249.1	226.7	213.0	205.6	200.3	194.9	188.3
57.5°	360.1	327.8	286.2	248.9	220.6	200.2	187.5	180.3	176.1	173.3	169.5
60°	325.7	298.2	262.3	228.3	200.7	182.5	170.2	164.6	161.1	158.9	156.0
62.5°	293.9	271.3	238.1	207.1	182.9	165.8	154.7	149.3	146.0	144.8	142.5
65°	247.1	229.5	202.2	176.4	155.8	141.2	131.9	126.7	124.7	123.4	123.6
67.5°	200.8	190.2	168.2	146.2	129.7	117.5	110.0	106.1	105.0	103.4	103.4
70°	172.6	164.6	146.1	126.9	112.3	102.8	96.2	92.1	91.0	90.2	90.1
72.5°	147.8	140.7	124.7	109.3	96.1	87.8	82.4	79.9	78.2	77.8	77.7
75°	111.0	107.2	94.3	82.2	73.1	67.4	63.7	61.4	60.2	59.9	60.2
77.5°	78.9	75.5	67.4	58.8	53.1	48.7	45.6	44.8	43.4	43.4	43.2
80°	59.3	57.1	51.9	45.1	40.4	36.6	35.0	33.6	33.2	32.5	33.2
82.5°	43.0	40.6	37.1	32.7	28.8	26.7	25.0	24.5	24.3	24.0	24.1
85°	21.2	21.4	19.4	16.1	14.4	13.2	12.1	12.1	11.9	11.8	11.9
87.5°	10.7	10.0	8.9	7.9	6.7	5.7	5.0	4.7	4.7	5.0	5.6
90°	17.3	15.2	13.1	10.9	8.5	6.2	3.7	1.3	3.7	6.2	8.5
92.5°	17.7	16.0	14.1	14.0	15.7	17.3	19.0	20.7	19.0	17.3	15.7
95°	44.1	55.5	66.8	72.9	73.8	74.7	75.6	76.5	75.6	74.7	73.8
97.5°	110.9	133.3	155.8	166.2	164.6	162.9	161.3	159.7	161.3	162.9	164.6
100°	231.2	230.0	228.8	227.7	226.9	226.0	225.1	224.2	225.1	226.0	226.9
102.5°	296.6	295.9	295.2	294.2	293.1	291.9	290.8	289.7	290.8	291.9	293.1
105°	400.0	400.0	400.0	399.4	398.2	397.1	395.8	394.7	395.8	397.1	398.2
107.5°	505.2	504.5	503.9	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6
110°	576.0	575.4	574.8	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5



TEST NUMBER: P333364-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	645.2	644.9	644.5	644.0	643.3	642.6	641.9	641.1	641.9	642.6	643.3
115°	748.4	748.1	747.8	746.9	745.5	744.0	742.4	741.0	742.4	744.0	745.5
117.5°	846.9	845.8	844.6	844.1	844.2	844.2	844.3	844.4	844.3	844.2	844.2
120°	909.6	908.7	907.9	907.6	907.9	908.2	908.5	908.7	908.5	908.2	907.9
122.5°	971.8	971.4	971.0	970.2	969.1	968.0	966.8	965.7	966.8	968.0	969.1
125°	1063.1	1063.1	1063.1	1062.1	1060.0	1057.9	1055.8	1053.7	1055.8	1057.9	1060.0
127.5°	1144.1	1144.2	1144.4	1143.7	1142.3	1140.8	1139.2	1137.7	1139.2	1140.8	1142.3
130°	1196.8	1196.5	1196.1	1195.2	1193.8	1192.3	1190.8	1189.3	1190.8	1192.3	1193.8
132.5°	1247.0	1247.7	1248.3	1247.8	1246.1	1244.3	1242.6	1240.8	1242.6	1244.3	1246.1
135°	1320.7	1321.3	1321.9	1321.3	1319.6	1317.8	1315.9	1314.1	1315.9	1317.8	1319.6
137.5°	1387.1	1387.7	1388.2	1387.8	1386.2	1384.6	1383.0	1381.5	1383.0	1384.6	1386.2
140°	1427.5	1427.8	1428.1	1428.0	1427.4	1426.7	1426.2	1425.6	1426.2	1426.7	1427.4
142.5°	1467.9	1467.6	1467.1	1466.7	1466.3	1466.0	1465.6	1465.3	1465.6	1466.0	1466.3
145°	1526.3	1526.3	1526.3	1526.0	1525.4	1524.7	1524.1	1523.6	1524.1	1524.7	1525.4
147.5°	1574.9	1574.6	1574.2	1574.0	1574.2	1574.3	1574.4	1574.6	1574.4	1574.3	1574.2
150°	1605.6	1605.0	1604.4	1604.4	1605.0	1605.6	1606.1	1606.8	1606.1	1605.6	1605.0
152.5°	1633.5	1632.9	1632.3	1632.6	1634.0	1635.3	1636.6	1637.9	1636.6	1635.3	1634.0
155°	1671.3	1670.8	1670.2	1670.8	1672.6	1674.4	1676.1	1677.9	1676.1	1674.4	1672.6
157.5°	1704.1	1704.1	1704.0	1704.5	1705.6	1706.6	1707.7	1708.8	1707.7	1706.6	1705.6
160°	1723.0	1722.7	1722.3	1723.1	1724.9	1726.7	1728.5	1730.3	1728.5	1726.7	1724.9
162.5°	1740.2	1739.8	1739.5	1740.3	1742.0	1743.9	1745.7	1747.5	1745.7	1743.9	1742.0
165°	1763.3	1762.9	1762.6	1763.4	1765.1	1766.9	1768.8	1770.6	1768.8	1766.9	1765.1
167.5°	1780.1	1779.9	1779.6	1780.3	1782.2	1784.0	1785.9	1787.7	1785.9	1784.0	1782.2
170°	1788.8	1788.4	1788.1	1789.0	1791.1	1793.2	1795.3	1797.4	1795.3	1793.2	1791.1
172.5°	1795.8	1795.3	1794.7	1795.5	1797.6	1799.7	1801.8	1803.8	1801.8	1799.7	1797.6
175°	1803.5	1803.2	1803.0	1803.7	1805.4	1807.2	1809.0	1810.8	1809.0	1807.2	1805.4
177.5°	1808.2	1807.9	1807.7	1808.3	1809.7	1811.2	1812.6	1814.0	1812.6	1811.2	1809.7
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8



TEST NUMBER: P333364-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	477.1	475.2	473.8	470.5	468.6	466.2	464.2	466.4	464.0	465.0	463.5
5°	462.2	456.4	452.3	446.3	441.1	436.4	432.9	432.3	430.6	429.8	427.3
7.5°	444.3	437.0	430.0	422.1	415.5	408.8	404.6	401.0	398.7	395.6	393.4
10°	433.7	424.0	415.8	406.4	398.1	390.8	385.1	382.2	379.5	375.6	374.2
12.5°	420.7	410.7	400.6	390.5	382.5	374.5	369.6	365.2	363.4	359.0	358.6
15°	405.1	390.0	380.1	369.9	358.9	352.3	348.2	343.5	341.4	338.3	336.1
17.5°	386.5	373.0	360.7	350.0	340.6	335.1	329.9	326.7	323.2	321.1	317.4
20°	372.9	360.2	347.8	336.4	329.2	322.9	318.8	315.7	311.9	310.9	307.2
22.5°	361.6	347.5	335.6	326.1	318.3	311.0	306.6	304.4	301.9	298.7	298.0
25°	343.0	328.4	318.3	308.9	301.8	295.2	292.2	289.5	287.0	284.7	283.9
27.5°	327.1	314.0	302.0	293.5	287.3	281.3	278.7	275.4	273.6	271.7	269.5
30°	315.8	302.5	291.9	283.7	277.1	271.8	268.9	266.6	265.0	263.3	262.1
32.5°	304.3	291.9	281.8	273.7	267.1	263.1	260.5	258.9	257.1	255.1	253.5
35°	289.1	275.4	265.6	258.6	253.4	250.3	247.4	246.0	244.0	244.0	242.3
37.5°	271.9	260.1	251.4	245.0	240.4	237.6	234.5	233.5	232.2	231.3	230.8
40°	261.7	250.7	242.5	236.1	231.2	228.9	226.4	224.8	224.0	222.9	222.6
42.5°	251.1	240.7	232.8	226.9	222.6	220.7	218.4	217.2	215.5	214.2	213.9
45°	235.1	225.0	217.8	213.0	209.4	207.1	205.6	203.1	202.3	200.7	200.5
47.5°	219.9	210.2	203.1	199.2	196.0	194.1	191.9	189.4	188.4	187.6	187.5
50°	208.5	199.7	193.1	189.4	186.3	183.6	181.3	179.7	179.1	179.1	179.5
52.5°	197.0	189.4	183.9	179.3	176.4	173.5	171.4	170.4	169.5	170.5	171.2
55°	180.1	172.5	168.4	164.0	161.1	157.8	156.8	156.4	155.8	157.4	158.3
57.5°	162.2	156.9	152.0	147.8	145.2	143.2	141.9	141.6	142.8	143.6	146.2
60°	150.8	144.6	140.4	137.1	133.9	132.7	132.2	131.9	132.7	134.9	138.5
62.5°	138.3	133.3	128.6	126.2	123.9	121.8	121.7	122.0	123.6	126.3	129.7
65°	119.9	115.6	112.5	109.6	107.7	106.6	106.9	107.7	109.6	113.2	117.0
67.5°	101.2	98.3	95.5	93.2	91.4	91.4	91.8	93.1	95.2	99.2	102.8
70°	89.3	86.0	83.6	82.7	81.1	80.3	81.6	83.6	85.5	89.3	92.3
72.5°	77.2	74.4	72.6	71.9	71.2	70.6	71.1	73.3	75.8	79.5	83.1
75°	59.3	58.3	57.1	56.3	55.6	56.1	56.4	58.5	60.5	64.5	68.6
77.5°	43.3	42.3	41.5	41.3	40.9	41.2	42.4	43.9	45.8	48.7	51.8
80°	32.7	32.4	31.9	31.7	31.7	31.9	33.6	34.6	36.5	39.1	41.6
82.5°	23.9	23.6	23.5	23.5	23.6	23.7	24.7	26.0	27.6	29.6	31.7
85°	12.6	12.1	12.8	13.0	12.6	13.2	13.6	14.4	15.1	16.1	17.1
87.5°	6.3	7.0	7.3	7.9	8.3	9.1	9.2	10.2	10.8	11.4	11.5
90°	10.9	13.1	15.2	17.3	19.4	21.5	23.0	24.4	25.9	27.5	28.6
92.5°	14.0	14.1	16.0	17.7	19.6	21.5	23.0	24.4	25.9	27.5	28.4
95°	72.9	66.8	55.5	44.1	32.8	21.5	23.0	24.4	25.9	27.5	28.2
97.5°	166.2	155.8	133.3	110.9	88.5	66.1	57.6	49.2	40.8	32.4	28.2
100°	227.7	228.8	230.0	231.2	232.4	233.5	189.1	144.6	100.2	55.8	33.0
102.5°	294.2	295.2	295.9	296.6	297.3	298.0	289.6	281.2	272.8	264.4	250.0
105°	399.4	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	399.8
107.5°	503.6	503.9	504.5	505.2	505.8	506.3	506.4	506.5	506.5	506.6	506.1
110°	574.5	574.8	575.4	576.0	576.6	577.2	576.3	575.4	574.5	573.6	573.4



TEST NUMBER: P333364-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	644.0	644.5	644.9	645.2	645.6	646.0	644.8	643.6	642.6	641.4	640.6
115°	746.9	747.8	748.1	748.4	748.8	749.0	747.8	746.6	745.5	744.2	742.8
117.5°	844.1	844.6	845.8	846.9	848.0	849.2	847.6	846.1	844.5	842.9	841.8
120°	907.6	907.9	908.7	909.6	910.5	911.4	910.9	910.3	909.6	909.1	908.0
122.5°	970.2	971.0	971.4	971.8	972.2	972.7	972.1	971.4	970.9	970.3	969.1
125°	1062.1	1063.1	1063.1	1063.1	1063.1	1063.1	1061.9	1060.8	1059.5	1058.4	1057.3
127.5°	1143.7	1144.4	1144.2	1144.1	1143.9	1143.7	1143.0	1142.4	1141.7	1141.0	1139.6
130°	1195.2	1196.1	1196.5	1196.8	1197.0	1197.4	1196.5	1195.6	1194.7	1193.8	1192.6
132.5°	1247.8	1248.3	1247.7	1247.0	1246.3	1245.7	1245.5	1245.4	1245.2	1245.0	1244.1
135°	1321.3	1321.9	1321.3	1320.7	1320.1	1319.6	1318.9	1318.3	1317.8	1317.1	1315.9
137.5°	1387.8	1388.2	1387.7	1387.1	1386.6	1386.1	1386.3	1386.3	1386.4	1386.6	1385.9
140°	1428.0	1428.1	1427.8	1427.5	1427.2	1426.9	1427.5	1428.1	1428.7	1429.3	1428.7
142.5°	1466.7	1467.1	1467.6	1467.9	1468.4	1468.8	1468.9	1469.0	1469.2	1469.3	1468.5
145°	1526.0	1526.3	1526.3	1526.3	1526.3	1526.3	1526.5	1526.9	1527.1	1527.4	1526.7
147.5°	1574.0	1574.2	1574.6	1574.9	1575.3	1575.7	1576.0	1576.4	1576.7	1577.1	1576.2
150°	1604.4	1604.4	1605.0	1605.6	1606.1	1606.8	1607.4	1607.9	1608.6	1609.2	1608.3
152.5°	1632.6	1632.3	1632.9	1633.5	1634.1	1634.7	1635.3	1635.9	1636.5	1637.1	1636.3
155°	1670.8	1670.2	1670.8	1671.3	1672.0	1672.6	1673.5	1674.4	1675.3	1676.1	1675.3
157.5°	1704.5	1704.0	1704.1	1704.1	1704.1	1704.2	1705.2	1706.1	1707.1	1708.1	1707.4
160°	1723.1	1722.3	1722.7	1723.0	1723.2	1723.6	1724.7	1725.9	1727.2	1728.3	1727.8
162.5°	1740.3	1739.5	1739.8	1740.2	1740.4	1740.7	1742.4	1744.1	1745.8	1747.4	1747.0
165°	1763.4	1762.6	1762.9	1763.3	1763.5	1763.8	1765.6	1767.4	1769.2	1771.0	1770.7
167.5°	1780.3	1779.6	1779.9	1780.1	1780.5	1780.7	1782.9	1785.0	1787.2	1789.3	1789.0
170°	1789.0	1788.1	1788.4	1788.8	1789.0	1789.3	1791.7	1794.1	1796.5	1798.8	1798.8
172.5°	1795.5	1794.7	1795.3	1795.8	1796.4	1796.9	1799.0	1801.2	1803.3	1805.4	1805.2
175°	1803.7	1803.0	1803.2	1803.5	1803.8	1804.1	1806.5	1808.8	1811.2	1813.7	1813.5
177.5°	1808.3	1807.7	1807.9	1808.2	1808.4	1808.7	1810.4	1812.0	1813.7	1815.3	1815.3
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8



TEST NUMBER: P333364-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	462.5	463.7	462.7	464.0	462.7	463.7	462.5	463.5	465.0	464.0	466.4
5°	426.3	424.5	425.7	424.9	425.7	424.5	426.3	427.3	429.8	430.6	432.3
7.5°	392.9	391.1	389.1	388.1	389.1	391.1	392.9	393.4	395.6	398.7	401.0
10°	371.9	369.6	369.4	368.0	369.4	369.6	371.9	374.2	375.6	379.5	382.2
12.5°	356.6	354.5	352.1	351.5	352.1	354.5	356.6	358.6	359.0	363.4	365.2
15°	334.8	333.1	331.7	333.0	331.7	333.1	334.8	336.1	338.3	341.4	343.5
17.5°	316.7	315.4	315.1	313.6	315.1	315.4	316.7	317.4	321.1	323.2	326.7
20°	305.3	304.3	304.8	302.0	304.8	304.3	305.3	307.2	310.9	311.9	315.7
22.5°	296.3	294.3	294.0	293.5	294.0	294.3	296.3	298.0	298.7	301.9	304.4
25°	282.0	281.1	280.0	281.1	280.0	281.1	282.0	283.9	284.7	287.0	289.5
27.5°	269.7	268.4	268.1	268.3	268.1	268.4	269.7	269.5	271.7	273.6	275.4
30°	262.1	260.0	260.2	260.0	260.2	260.0	262.1	262.1	263.3	265.0	266.6
32.5°	253.9	252.4	252.2	251.8	252.2	252.4	253.9	253.5	255.1	257.1	258.9
35°	241.7	241.7	240.7	240.7	240.7	241.7	241.7	242.3	244.0	244.0	246.0
37.5°	230.2	230.1	229.4	229.5	229.4	230.1	230.2	230.8	231.3	232.2	233.5
40°	221.7	221.5	220.9	219.6	220.9	221.5	221.7	222.6	222.9	224.0	224.8
42.5°	213.5	212.8	212.5	212.0	212.5	212.8	213.5	213.9	214.2	215.5	217.2
45°	200.5	200.5	200.1	199.8	200.1	200.5	200.5	200.5	200.7	202.3	203.1
47.5°	187.9	188.2	189.0	188.9	189.0	188.2	187.9	187.5	187.6	188.4	189.4
50°	180.3	180.5	181.1	181.3	181.1	180.5	180.3	179.5	179.1	179.1	179.7
52.5°	171.9	173.1	173.9	173.7	173.9	173.1	171.9	171.2	170.5	169.5	170.4
55°	160.1	161.6	163.0	163.2	163.0	161.6	160.1	158.3	157.4	155.8	156.4
57.5°	148.5	150.4	151.9	152.5	151.9	150.4	148.5	146.2	143.6	142.8	141.6
60°	140.5	143.2	145.1	145.9	145.1	143.2	140.5	138.5	134.9	132.7	131.9
62.5°	133.0	136.0	137.8	137.9	137.8	136.0	133.0	129.7	126.3	123.6	122.0
65°	120.6	123.6	125.3	126.5	125.3	123.6	120.6	117.0	113.2	109.6	107.7
67.5°	107.2	110.3	112.1	113.1	112.1	110.3	107.2	102.8	99.2	95.2	93.1
70°	97.5	100.6	103.0	103.9	103.0	100.6	97.5	92.3	89.3	85.5	83.6
72.5°	87.9	90.7	92.6	93.6	92.6	90.7	87.9	83.1	79.5	75.8	73.3
75°	71.2	75.0	76.9	77.8	76.9	75.0	71.2	68.6	64.5	60.5	58.5
77.5°	54.9	58.3	59.5	60.0	59.5	58.3	54.9	51.8	48.7	45.8	43.9
80°	44.1	46.2	47.6	47.8	47.6	46.2	44.1	41.6	39.1	36.5	34.6
82.5°	33.9	35.6	36.0	36.6	36.0	35.6	33.9	31.7	29.6	27.6	26.0
85°	18.5	19.4	19.6	19.4	19.6	19.4	18.5	17.1	16.1	15.1	14.4
87.5°	12.0	12.0	12.2	12.8	12.2	12.0	12.0	11.5	11.4	10.8	10.2
90°	29.5	30.4	31.3	32.2	31.3	30.4	29.5	28.6	27.5	25.9	24.4
92.5°	28.8	29.2	29.7	30.1	29.7	29.2	28.8	28.4	27.5	25.9	24.4
95°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	27.5	25.9	24.4
97.5°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	32.4	40.8	49.2
100°	31.7	30.6	29.4	28.2	29.4	30.6	31.7	33.0	55.8	100.2	144.6
102.5°	229.7	209.5	189.1	168.9	189.1	209.5	229.7	250.0	264.4	272.8	281.2
105°	399.6	399.3	399.0	398.7	399.0	399.3	399.6	399.8	400.0	400.0	400.0
107.5°	505.2	504.4	503.5	502.6	503.5	504.4	505.2	506.1	506.6	506.5	506.5
110°	573.6	573.9	574.3	574.5	574.3	573.9	573.6	573.4	573.6	574.5	575.4



TEST NUMBER: P333364-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	640.2	639.8	639.4	638.9	639.4	639.8	640.2	640.6	641.4	642.6	643.6
115°	741.0	739.1	737.4	735.6	737.4	739.1	741.0	742.8	744.2	745.5	746.6
117.5°	841.1	840.3	839.5	838.7	839.5	840.3	841.1	841.8	842.9	844.5	846.1
120°	906.5	905.0	903.6	902.1	903.6	905.0	906.5	908.0	909.1	909.6	910.3
122.5°	967.4	965.6	963.9	962.2	963.9	965.6	967.4	969.1	970.3	970.9	971.4
125°	1056.4	1055.5	1054.6	1053.7	1054.6	1055.5	1056.4	1057.3	1058.4	1059.5	1060.8
127.5°	1137.4	1135.2	1133.0	1130.8	1133.0	1135.2	1137.4	1139.6	1141.0	1141.7	1142.4
130°	1191.1	1189.6	1188.1	1186.6	1188.1	1189.6	1191.1	1192.6	1193.8	1194.7	1195.6
132.5°	1242.7	1241.2	1239.7	1238.1	1239.7	1241.2	1242.7	1244.1	1245.0	1245.2	1245.4
135°	1314.1	1312.3	1310.5	1308.8	1310.5	1312.3	1314.1	1315.9	1317.1	1317.8	1318.3
137.5°	1384.3	1382.8	1381.2	1379.7	1381.2	1382.8	1384.3	1385.9	1386.6	1386.4	1386.3
140°	1426.9	1425.1	1423.3	1421.6	1423.3	1425.1	1426.9	1428.7	1429.3	1428.7	1428.1
142.5°	1466.6	1464.8	1463.0	1461.2	1463.0	1464.8	1466.6	1468.5	1469.3	1469.2	1469.0
145°	1524.9	1523.1	1521.3	1519.6	1521.3	1523.1	1524.9	1526.7	1527.4	1527.1	1526.9
147.5°	1574.0	1571.9	1569.8	1567.6	1569.8	1571.9	1574.0	1576.2	1577.1	1576.7	1576.4
150°	1605.9	1603.5	1601.2	1598.7	1601.2	1603.5	1605.9	1608.3	1609.2	1608.6	1607.9
152.5°	1634.1	1632.0	1629.9	1627.7	1629.9	1632.0	1634.1	1636.3	1637.1	1636.5	1635.9
155°	1673.0	1670.6	1668.2	1665.8	1668.2	1670.6	1673.0	1675.3	1676.1	1675.3	1674.4
157.5°	1705.0	1702.5	1700.1	1697.8	1700.1	1702.5	1705.0	1707.4	1708.1	1707.1	1706.1
160°	1725.4	1723.0	1720.6	1718.2	1720.6	1723.0	1725.4	1727.8	1728.3	1727.2	1725.9
162.5°	1744.4	1741.7	1739.1	1736.4	1739.1	1741.7	1744.4	1747.0	1747.4	1745.8	1744.1
165°	1768.4	1765.9	1763.5	1761.1	1763.5	1765.9	1768.4	1770.7	1771.0	1769.2	1767.4
167.5°	1786.4	1783.7	1781.0	1778.3	1781.0	1783.7	1786.4	1789.0	1789.3	1787.2	1785.0
170°	1796.1	1793.4	1790.6	1788.0	1790.6	1793.4	1796.1	1798.8	1798.8	1796.5	1794.1
172.5°	1802.5	1799.8	1797.2	1794.5	1797.2	1799.8	1802.5	1805.2	1805.4	1803.3	1801.2
175°	1810.8	1808.1	1805.4	1802.8	1805.4	1808.1	1810.8	1813.5	1813.7	1811.2	1808.8
177.5°	1813.3	1811.4	1809.5	1807.6	1809.5	1811.4	1813.3	1815.3	1815.3	1813.7	1812.0
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8



TEST NUMBER: P333364-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	464.2	466.2	468.6	470.5	473.8	475.2	477.1	478.5	481.2	483.7	486.6
5°	432.9	436.4	441.1	446.3	452.3	456.4	462.2	465.7	472.7	479.0	485.3
7.5°	404.6	408.8	415.5	422.1	430.0	437.0	444.3	452.3	461.2	471.8	480.5
10°	385.1	390.8	398.1	406.4	415.8	424.0	433.7	442.4	453.3	465.7	477.2
12.5°	369.6	374.5	382.5	390.5	400.6	410.7	420.7	432.1	444.9	458.6	473.1
15°	348.2	352.3	358.9	369.9	380.1	390.0	405.1	415.8	431.9	447.1	464.7
17.5°	329.9	335.1	340.6	350.0	360.7	373.0	386.5	399.9	415.4	434.7	454.4
20°	318.8	322.9	329.2	336.4	347.8	360.2	372.9	386.6	405.5	425.5	446.7
22.5°	306.6	311.0	318.3	326.1	335.6	347.5	361.6	376.5	396.3	415.9	439.0
25°	292.2	295.2	301.8	308.9	318.3	328.4	343.0	359.5	379.2	401.6	425.1
27.5°	278.7	281.3	287.3	293.5	302.0	314.0	327.1	343.8	362.2	385.0	411.0
30°	268.9	271.8	277.1	283.7	291.9	302.5	315.8	331.5	351.3	373.5	400.7
32.5°	260.5	263.1	267.1	273.7	281.8	291.9	304.3	320.3	340.1	362.7	389.4
35°	247.4	250.3	253.4	258.6	265.6	275.4	289.1	304.2	323.1	344.9	369.4
37.5°	234.5	237.6	240.4	245.0	251.4	260.1	271.9	287.6	304.7	325.7	349.3
40°	226.4	228.9	231.2	236.1	242.5	250.7	261.7	275.7	293.8	313.4	333.0
42.5°	218.4	220.7	222.6	226.9	232.8	240.7	251.1	264.8	281.6	299.9	317.2
45°	205.6	207.1	209.4	213.0	217.8	225.0	235.1	247.3	261.4	278.7	291.8
47.5°	191.9	194.1	196.0	199.2	203.1	210.2	219.9	230.2	243.2	256.0	265.1
50°	181.3	183.6	186.3	189.4	193.1	199.7	208.5	219.0	230.0	239.9	247.6
52.5°	171.4	173.5	176.4	179.3	183.9	189.4	197.0	206.3	217.1	224.2	230.7
55°	156.8	157.8	161.1	164.0	168.4	172.5	180.1	188.3	194.9	200.3	205.6
57.5°	141.9	143.2	145.2	147.8	152.0	156.9	162.2	169.5	173.3	176.1	180.3
60°	132.2	132.7	133.9	137.1	140.4	144.6	150.8	156.0	158.9	161.1	164.6
62.5°	121.7	121.8	123.9	126.2	128.6	133.3	138.3	142.5	144.8	146.0	149.3
65°	106.9	106.6	107.7	109.6	112.5	115.6	119.9	123.6	123.4	124.7	126.7
67.5°	91.8	91.4	91.4	93.2	95.5	98.3	101.2	103.4	103.4	105.0	106.1
70°	81.6	80.3	81.1	82.7	83.6	86.0	89.3	90.1	90.2	91.0	92.1
72.5°	71.1	70.6	71.2	71.9	72.6	74.4	77.2	77.7	77.8	78.2	79.9
75°	56.4	56.1	55.6	56.3	57.1	58.3	59.3	60.2	59.9	60.2	61.4
77.5°	42.4	41.2	40.9	41.3	41.5	42.3	43.3	43.2	43.4	43.4	44.8
80°	33.6	31.9	31.7	31.7	31.9	32.4	32.7	33.2	32.5	33.2	33.6
82.5°	24.7	23.7	23.6	23.5	23.5	23.6	23.9	24.1	24.0	24.3	24.5
85°	13.6	13.2	12.6	13.0	12.8	12.1	12.6	11.9	11.8	11.9	12.1
87.5°	9.2	9.1	8.3	7.9	7.3	7.0	6.3	5.6	5.0	4.7	4.7
90°	23.0	21.5	19.4	17.3	15.2	13.1	10.9	8.5	6.2	3.7	1.3
92.5°	23.0	21.5	19.6	17.7	16.0	14.1	14.0	15.7	17.3	19.0	20.7
95°	23.0	21.5	32.8	44.1	55.5	66.8	72.9	73.8	74.7	75.6	76.5
97.5°	57.6	66.1	88.5	110.9	133.3	155.8	166.2	164.6	162.9	161.3	159.7
100°	189.1	233.5	232.4	231.2	230.0	228.8	227.7	226.9	226.0	225.1	224.2
102.5°	289.6	298.0	297.3	296.6	295.9	295.2	294.2	293.1	291.9	290.8	289.7
105°	400.0	400.0	400.0	400.0	400.0	400.0	399.4	398.2	397.1	395.8	394.7
107.5°	506.4	506.3	505.8	505.2	504.5	503.9	503.6	503.6	503.6	503.6	503.6
110°	576.3	577.2	576.6	576.0	575.4	574.8	574.5	574.5	574.5	574.5	574.5



TEST NUMBER: P333364-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	644.8	646.0	645.6	645.2	644.9	644.5	644.0	643.3	642.6	641.9	641.1
115°	747.8	749.0	748.8	748.4	748.1	747.8	746.9	745.5	744.0	742.4	741.0
117.5°	847.6	849.2	848.0	846.9	845.8	844.6	844.1	844.2	844.2	844.3	844.4
120°	910.9	911.4	910.5	909.6	908.7	907.9	907.6	907.9	908.2	908.5	908.7
122.5°	972.1	972.7	972.2	971.8	971.4	971.0	970.2	969.1	968.0	966.8	965.7
125°	1061.9	1063.1	1063.1	1063.1	1063.1	1063.1	1062.1	1060.0	1057.9	1055.8	1053.7
127.5°	1143.0	1143.7	1143.9	1144.1	1144.2	1144.4	1143.7	1142.3	1140.8	1139.2	1137.7
130°	1196.5	1197.4	1197.0	1196.8	1196.5	1196.1	1195.2	1193.8	1192.3	1190.8	1189.3
132.5°	1245.5	1245.7	1246.3	1247.0	1247.7	1248.3	1247.8	1246.1	1244.3	1242.6	1240.8
135°	1318.9	1319.6	1320.1	1320.7	1321.3	1321.9	1321.3	1319.6	1317.8	1315.9	1314.1
137.5°	1386.3	1386.1	1386.6	1387.1	1387.7	1388.2	1387.8	1386.2	1384.6	1383.0	1381.5
140°	1427.5	1426.9	1427.2	1427.5	1427.8	1428.1	1428.0	1427.4	1426.7	1426.2	1425.6
142.5°	1468.9	1468.8	1468.4	1467.9	1467.6	1467.1	1466.7	1466.3	1466.0	1465.6	1465.3
145°	1526.5	1526.3	1526.3	1526.3	1526.3	1526.3	1526.0	1525.4	1524.7	1524.1	1523.6
147.5°	1576.0	1575.7	1575.3	1574.9	1574.6	1574.2	1574.0	1574.2	1574.3	1574.4	1574.6
150°	1607.4	1606.8	1606.1	1605.6	1605.0	1604.4	1604.4	1605.0	1605.6	1606.1	1606.8
152.5°	1635.3	1634.7	1634.1	1633.5	1632.9	1632.3	1632.6	1634.0	1635.3	1636.6	1637.9
155°	1673.5	1672.6	1672.0	1671.3	1670.8	1670.2	1670.8	1672.6	1674.4	1676.1	1677.9
157.5°	1705.2	1704.2	1704.1	1704.1	1704.1	1704.0	1704.5	1705.6	1706.6	1707.7	1708.8
160°	1724.7	1723.6	1723.2	1723.0	1722.7	1722.3	1723.1	1724.9	1726.7	1728.5	1730.3
162.5°	1742.4	1740.7	1740.4	1740.2	1739.8	1739.5	1740.3	1742.0	1743.9	1745.7	1747.5
165°	1765.6	1763.8	1763.5	1763.3	1762.9	1762.6	1763.4	1765.1	1766.9	1768.8	1770.6
167.5°	1782.9	1780.7	1780.5	1780.1	1779.9	1779.6	1780.3	1782.2	1784.0	1785.9	1787.7
170°	1791.7	1789.3	1789.0	1788.8	1788.4	1788.1	1789.0	1791.1	1793.2	1795.3	1797.4
172.5°	1799.0	1796.9	1796.4	1795.8	1795.3	1794.7	1795.5	1797.6	1799.7	1801.8	1803.8
175°	1806.5	1804.1	1803.8	1803.5	1803.2	1803.0	1803.7	1805.4	1807.2	1809.0	1810.8
177.5°	1810.4	1808.7	1808.4	1808.2	1807.9	1807.7	1808.3	1809.7	1811.2	1812.6	1814.0
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8



TEST NUMBER: P333364-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	488.1	490.4	491.9	494.6	497.0	498.3	499.4	500.4	501.6	502.6	505.4
5°	491.2	496.6	501.1	508.1	514.5	519.4	524.8	529.5	533.4	539.0	543.3
7.5°	489.8	499.4	509.3	520.2	531.3	541.5	551.1	559.9	567.9	577.7	586.2
10°	488.6	501.5	514.2	529.0	543.9	556.7	568.6	580.9	589.7	602.1	612.6
12.5°	487.6	502.8	518.3	535.8	552.3	570.4	586.3	595.2	608.7	618.6	631.1
15°	483.4	503.5	524.8	544.6	568.1	584.8	598.8	616.1	628.7	641.2	654.8
17.5°	475.9	498.8	522.5	548.5	571.0	588.9	607.0	623.7	638.6	655.5	672.4
20°	472.4	495.3	522.5	549.1	571.1	589.9	608.4	626.8	643.3	664.9	684.5
22.5°	465.2	492.8	517.9	543.9	566.5	586.9	608.0	628.7	650.7	675.1	699.6
25°	452.3	480.3	506.8	532.4	555.3	580.9	603.3	631.2	659.2	691.5	722.0
27.5°	438.8	465.7	490.0	514.7	541.4	570.3	599.4	631.0	667.7	708.6	751.5
30°	427.9	453.3	477.0	502.3	530.1	562.7	594.7	632.1	674.6	720.5	771.7
32.5°	415.3	438.6	461.6	488.5	518.8	553.1	590.4	631.5	682.5	734.7	787.3
35°	393.5	413.1	436.8	465.5	499.6	539.0	582.1	630.7	689.2	749.2	793.4
37.5°	367.8	386.0	411.0	442.4	478.2	520.5	571.6	629.3	691.4	739.2	753.5
40°	350.4	367.4	393.3	425.9	462.5	507.3	563.3	624.3	684.5	715.0	703.2
42.5°	332.0	349.7	375.1	407.2	446.7	495.4	552.9	613.9	664.4	675.9	635.3
45°	302.9	321.2	346.2	378.7	421.2	473.9	533.9	589.3	618.3	597.5	534.7
47.5°	275.8	293.0	316.1	349.7	393.5	448.1	505.8	550.0	552.3	502.7	435.5
50°	257.3	273.2	296.5	330.1	373.5	428.8	480.9	515.8	500.1	443.8	379.3
52.5°	239.2	254.8	277.7	310.9	353.9	404.6	453.1	477.5	448.0	390.2	335.2
55°	213.0	226.7	249.1	279.8	320.6	367.6	408.8	417.2	378.9	322.1	277.3
57.5°	187.5	200.2	220.6	248.9	286.2	327.8	360.1	358.2	317.7	268.9	233.4
60°	170.2	182.5	200.7	228.3	262.3	298.2	325.7	319.1	279.0	236.9	207.1
62.5°	154.7	165.8	182.9	207.1	238.1	271.3	293.9	284.2	244.9	208.1	184.5
65°	131.9	141.2	155.8	176.4	202.2	229.5	247.1	234.5	200.9	172.3	153.3
67.5°	110.0	117.5	129.7	146.2	168.2	190.2	200.8	188.2	161.3	140.4	126.4
70°	96.2	102.8	112.3	126.9	146.1	164.6	172.6	161.3	138.2	120.3	110.2
72.5°	82.4	87.8	96.1	109.3	124.7	140.7	147.8	137.0	118.0	102.8	93.5
75°	63.7	67.4	73.1	82.2	94.3	107.2	111.0	101.6	89.4	78.1	71.9
77.5°	45.6	48.7	53.1	58.8	67.4	75.5	78.9	73.5	64.1	56.9	51.8
80°	35.0	36.6	40.4	45.1	51.9	57.1	59.3	55.8	49.2	43.9	39.9
82.5°	25.0	26.7	28.8	32.7	37.1	40.6	43.0	40.7	35.9	31.7	29.4
85°	12.1	13.2	14.4	16.1	19.4	21.4	21.2	19.8	17.9	16.3	15.1
87.5°	5.0	5.7	6.7	7.9	8.9	10.0	10.7	10.8	10.5	10.3	10.2
90°	3.7	6.2	8.5	10.9	13.1	15.2	17.3	19.4	21.5	23.0	24.4
92.5°	19.0	17.3	15.7	14.0	14.1	16.0	17.7	19.6	21.5	23.0	24.4
95°	75.6	74.7	73.8	72.9	66.8	55.5	44.1	32.8	21.5	23.0	24.4
97.5°	161.3	162.9	164.6	166.2	155.8	133.3	110.9	88.5	66.1	57.6	49.2
100°	225.1	226.0	226.9	227.7	228.8	230.0	231.2	232.4	233.5	189.1	144.6
102.5°	290.8	291.9	293.1	294.2	295.2	295.9	296.6	297.3	298.0	289.6	281.2
105°	395.8	397.1	398.2	399.4	400.0	400.0	400.0	400.0	400.0	400.0	400.0
107.5°	503.6	503.6	503.6	503.6	503.9	504.5	505.2	505.8	506.3	506.4	506.5
110°	574.5	574.5	574.5	574.5	574.8	575.4	576.0	576.6	577.2	576.3	575.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	641.9	642.6	643.3	644.0	644.5	644.9	645.2	645.6	646.0	644.8	643.6
115°	742.4	744.0	745.5	746.9	747.8	748.1	748.4	748.8	749.0	747.8	746.6
117.5°	844.3	844.2	844.2	844.1	844.6	845.8	846.9	848.0	849.2	847.6	846.1
120°	908.5	908.2	907.9	907.6	907.9	908.7	909.6	910.5	911.4	910.9	910.3
122.5°	966.8	968.0	969.1	970.2	971.0	971.4	971.8	972.2	972.7	972.1	971.4
125°	1055.8	1057.9	1060.0	1062.1	1063.1	1063.1	1063.1	1063.1	1063.1	1061.9	1060.8
127.5°	1139.2	1140.8	1142.3	1143.7	1144.4	1144.2	1144.1	1143.9	1143.7	1143.0	1142.4
130°	1190.8	1192.3	1193.8	1195.2	1196.1	1196.5	1196.8	1197.0	1197.4	1196.5	1195.6
132.5°	1242.6	1244.3	1246.1	1247.8	1248.3	1247.7	1247.0	1246.3	1245.7	1245.5	1245.4
135°	1315.9	1317.8	1319.6	1321.3	1321.9	1321.3	1320.7	1320.1	1319.6	1318.9	1318.3
137.5°	1383.0	1384.6	1386.2	1387.8	1388.2	1387.7	1387.1	1386.6	1386.1	1386.3	1386.3
140°	1426.2	1426.7	1427.4	1428.0	1428.1	1427.8	1427.5	1427.2	1426.9	1427.5	1428.1
142.5°	1465.6	1466.0	1466.3	1466.7	1467.1	1467.6	1467.9	1468.4	1468.8	1468.9	1469.0
145°	1524.1	1524.7	1525.4	1526.0	1526.3	1526.3	1526.3	1526.3	1526.3	1526.5	1526.9
147.5°	1574.4	1574.3	1574.2	1574.0	1574.2	1574.6	1574.9	1575.3	1575.7	1576.0	1576.4
150°	1606.1	1605.6	1605.0	1604.4	1604.4	1605.0	1605.6	1606.1	1606.8	1607.4	1607.9
152.5°	1636.6	1635.3	1634.0	1632.6	1632.3	1632.9	1633.5	1634.1	1634.7	1635.3	1635.9
155°	1676.1	1674.4	1672.6	1670.8	1670.2	1670.8	1671.3	1672.0	1672.6	1673.5	1674.4
157.5°	1707.7	1706.6	1705.6	1704.5	1704.0	1704.1	1704.1	1704.1	1704.2	1705.2	1706.1
160°	1728.5	1726.7	1724.9	1723.1	1722.3	1722.7	1723.0	1723.2	1723.6	1724.7	1725.9
162.5°	1745.7	1743.9	1742.0	1740.3	1739.5	1739.8	1740.2	1740.4	1740.7	1742.4	1744.1
165°	1768.8	1766.9	1765.1	1763.4	1762.6	1762.9	1763.3	1763.5	1763.8	1765.6	1767.4
167.5°	1785.9	1784.0	1782.2	1780.3	1779.6	1779.9	1780.1	1780.5	1780.7	1782.9	1785.0
170°	1795.3	1793.2	1791.1	1789.0	1788.1	1788.4	1788.8	1789.0	1789.3	1791.7	1794.1
172.5°	1801.8	1799.7	1797.6	1795.5	1794.7	1795.3	1795.8	1796.4	1796.9	1799.0	1801.2
175°	1809.0	1807.2	1805.4	1803.7	1803.0	1803.2	1803.5	1803.8	1804.1	1806.5	1808.8
177.5°	1812.6	1811.2	1809.7	1808.3	1807.7	1807.9	1808.2	1808.4	1808.7	1810.4	1812.0
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	507.7	509.0	511.8	510.9	512.1	512.8	513.4
5°	548.7	555.3	558.2	557.8	562.1	561.1	560.0
7.5°	595.0	601.9	605.8	610.6	613.4	613.7	616.1
10°	621.3	630.3	634.0	639.2	642.5	644.4	644.1
12.5°	641.3	648.5	656.7	659.2	663.7	666.1	665.2
15°	665.6	676.9	685.5	689.8	695.4	697.1	699.3
17.5°	687.2	702.3	712.4	725.9	730.9	734.1	732.2
20°	703.5	723.4	733.5	749.6	758.5	763.2	761.5
22.5°	722.7	744.4	763.0	776.9	790.4	796.8	798.2
25°	755.8	785.4	812.9	831.2	847.8	851.8	860.4
27.5°	792.7	827.7	857.0	876.3	887.9	892.2	895.0
30°	815.9	850.8	872.8	885.2	888.9	888.5	888.1
32.5°	827.3	849.1	853.4	849.9	841.4	834.2	826.7
35°	811.2	795.0	770.6	739.3	716.2	692.9	690.6
37.5°	729.6	677.5	637.0	591.8	565.8	549.7	538.5
40°	652.7	593.6	544.6	506.5	479.9	469.4	459.1
42.5°	569.4	512.8	469.4	437.6	417.6	405.9	397.8
45°	462.5	412.7	378.7	355.6	339.7	330.7	325.6
47.5°	379.1	342.1	313.3	296.6	285.7	278.7	278.7
50°	334.2	299.0	279.8	266.6	257.2	251.6	252.6
52.5°	294.4	268.1	251.8	240.8	233.7	230.3	230.2
55°	246.2	227.3	216.6	208.5	203.8	199.8	200.7
57.5°	210.6	194.7	187.4	180.7	177.5	175.9	173.6
60°	188.5	176.2	170.0	164.6	161.3	160.1	157.8
62.5°	168.9	159.2	153.2	148.8	145.9	145.4	143.7
65°	142.0	134.6	129.2	127.2	124.0	123.2	123.2
67.5°	117.0	111.7	107.5	105.7	104.3	104.5	103.5
70°	101.4	97.0	94.3	92.3	91.3	91.5	90.7
72.5°	88.7	83.8	81.5	80.3	78.9	79.5	79.1
75°	67.1	64.7	63.5	62.2	61.4	61.0	60.5
77.5°	49.3	47.2	46.2	45.5	45.7	44.6	45.4
80°	38.1	36.3	35.7	34.6	34.4	34.4	34.2
82.5°	27.9	26.8	26.4	25.6	25.1	25.5	25.0
85°	14.4	13.6	13.4	13.4	13.0	12.6	13.6
87.5°	10.4	10.1	10.3	10.3	10.5	10.5	10.4
90°	25.9	27.5	28.6	29.5	30.4	31.3	32.2
92.5°	25.9	27.5	28.4	28.8	29.2	29.7	30.1
95°	25.9	27.5	28.2	28.2	28.2	28.2	28.2
97.5°	40.8	32.4	28.2	28.2	28.2	28.2	28.2
100°	100.2	55.8	33.0	31.7	30.6	29.4	28.2
102.5°	272.8	264.4	250.0	229.7	209.5	189.1	168.9
105°	400.0	400.0	399.8	399.6	399.3	399.0	398.7
107.5°	506.5	506.6	506.1	505.2	504.4	503.5	502.6
110°	574.5	573.6	573.4	573.6	573.9	574.3	574.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	642.6	641.4	640.6	640.2	639.8	639.4	638.9
115°	745.5	744.2	742.8	741.0	739.1	737.4	735.6
117.5°	844.5	842.9	841.8	841.1	840.3	839.5	838.7
120°	909.6	909.1	908.0	906.5	905.0	903.6	902.1
122.5°	970.9	970.3	969.1	967.4	965.6	963.9	962.2
125°	1059.5	1058.4	1057.3	1056.4	1055.5	1054.6	1053.7
127.5°	1141.7	1141.0	1139.6	1137.4	1135.2	1133.0	1130.8
130°	1194.7	1193.8	1192.6	1191.1	1189.6	1188.1	1186.6
132.5°	1245.2	1245.0	1244.1	1242.7	1241.2	1239.7	1238.1
135°	1317.8	1317.1	1315.9	1314.1	1312.3	1310.5	1308.8
137.5°	1386.4	1386.6	1385.9	1384.3	1382.8	1381.2	1379.7
140°	1428.7	1429.3	1428.7	1426.9	1425.1	1423.3	1421.6
142.5°	1469.2	1469.3	1468.5	1466.6	1464.8	1463.0	1461.2
145°	1527.1	1527.4	1526.7	1524.9	1523.1	1521.3	1519.6
147.5°	1576.7	1577.1	1576.2	1574.0	1571.9	1569.8	1567.6
150°	1608.6	1609.2	1608.3	1605.9	1603.5	1601.2	1598.7
152.5°	1636.5	1637.1	1636.3	1634.1	1632.0	1629.9	1627.7
155°	1675.3	1676.1	1675.3	1673.0	1670.6	1668.2	1665.8
157.5°	1707.1	1708.1	1707.4	1705.0	1702.5	1700.1	1697.8
160°	1727.2	1728.3	1727.8	1725.4	1723.0	1720.6	1718.2
162.5°	1745.8	1747.4	1747.0	1744.4	1741.7	1739.1	1736.4
165°	1769.2	1771.0	1770.7	1768.4	1765.9	1763.5	1761.1
167.5°	1787.2	1789.3	1789.0	1786.4	1783.7	1781.0	1778.3
170°	1796.5	1798.8	1798.8	1796.1	1793.4	1790.6	1788.0
172.5°	1803.3	1805.4	1805.2	1802.5	1799.8	1797.2	1794.5
175°	1811.2	1813.7	1813.5	1810.8	1808.1	1805.4	1802.8
177.5°	1813.7	1815.3	1815.3	1813.3	1811.4	1809.5	1807.6
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8

(END OF REPORT)