

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: P333656-940

Luminaire Tested: **S125RDIW-S375D1560U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333656-940
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: S125RDIW-S375D1560U940-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6864.9 lumens
Efficiency: N/A
Efficacy: 128.6 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

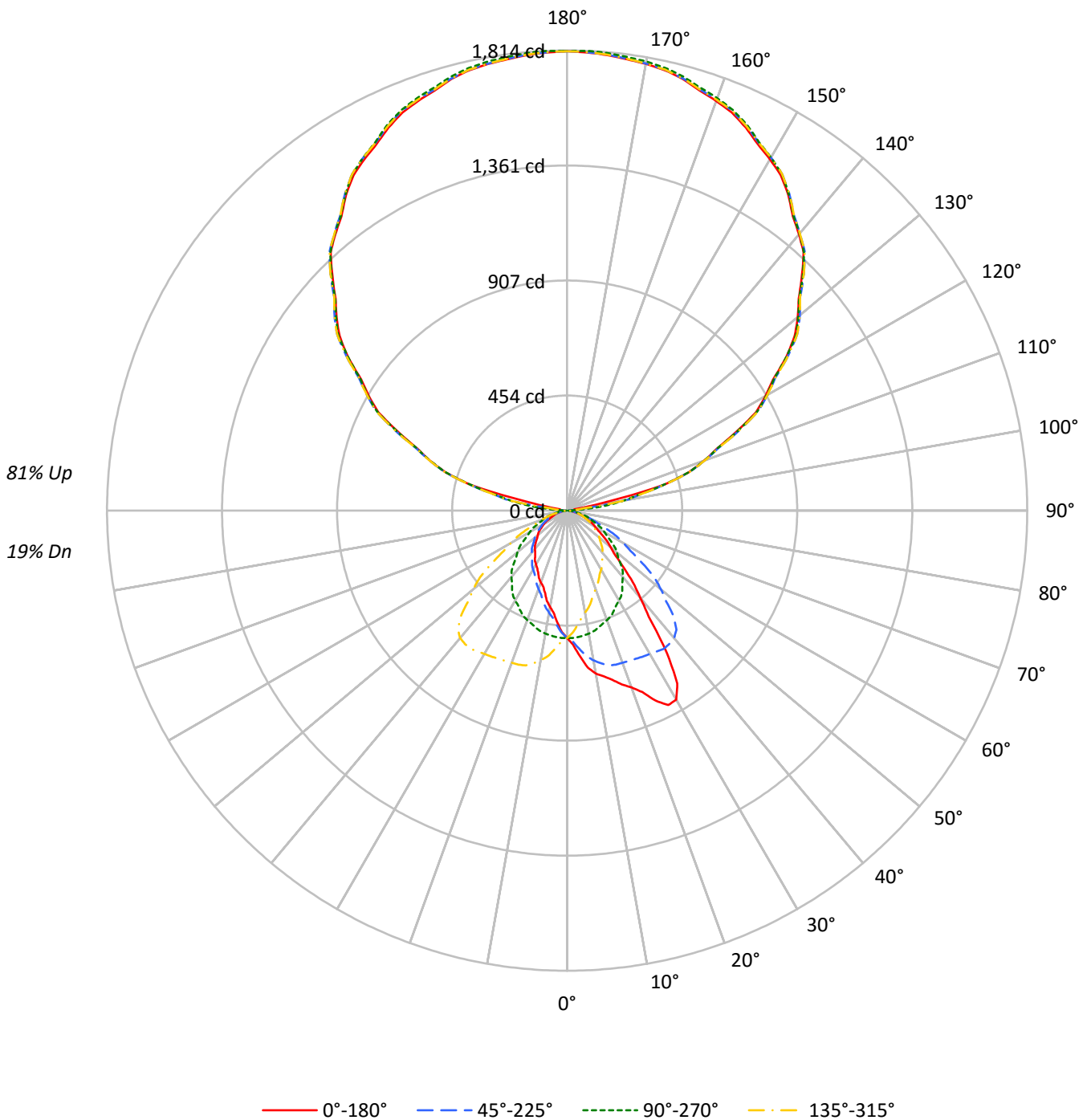
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				
1	91	87	83	80	80	77	74	71	58	56	54	41	39	38	25	24	24	16				
2	83	76	70	65	73	67	63	59	51	48	45	36	34	32	22	21	20	14				
3	76	67	60	55	67	59	54	49	45	41	38	32	29	27	19	18	17	12				
4	69	59	52	46	61	52	46	41	40	36	32	28	26	23	17	16	15	10				
5	63	52	45	39	56	47	40	35	36	31	28	25	22	20	16	14	13	9				
6	58	47	39	34	51	42	35	31	32	27	24	23	20	18	14	13	11	8				
7	54	42	35	29	47	38	31	27	29	24	21	21	18	16	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	35	28	23	41	31	25	21	24	19	16	17	14	12	11	9	8	6				
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	10	8	7	5				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3241	3241	3241	3241
5°	3729	3246	2867	3246
10°	4278	3229	2530	3229
15°	4621	3196	2249	3196
20°	5096	3158	2076	3158
25°	5897	3107	1927	3107
30°	6416	3053	1829	3053
35°	5412	2990	1738	2990
40°	3780	2878	1661	2878
45°	2804	2726	1585	2726
50°	2237	2569	1519	2569
55°	1897	2374	1462	2374
60°	1639	2198	1368	2198
65°	1461	2008	1177	2008
70°	1284	1841	1074	1841
75°	1110	1592	1008	1592
80°	841	1339	841	1339
85°	704	1052	793	1052



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	0.7
10°-20°	141.1	2.1
20°-30°	223.6	3.3
30°-40°	269.7	3.9
40°-50°	240.9	3.5
50°-60°	184.7	2.7
60°-70°	120.0	1.7
70°-80°	58.3	0.8
80°-90°	17.7	0.3
90°-100°	65.8	1.0
100°-110°	405.6	5.9
110°-120°	735.5	10.7
120°-130°	944.0	13.8
130°-140°	1015.3	14.8
140°-150°	953.0	13.9
150°-160°	770.9	11.2
160°-170°	498.6	7.3
170°-180°	172.0	2.5
0°-30°	412.8	6.0
0°-40°	682.5	9.9
0°-60°	1108.1	16.1
0°-90°	1304.2	19.0
90°-120°	1206.9	17.6
90°-150°	4119.2	60.0
90°-180°	5561.0	81.0
0°-180°	6864.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	502	502	502	502	502	
5°	575	501	442	501	575	57
15°	691	478	336	478	691	198
25°	828	436	270	436	828	380
35°	686	379	220	379	686	415
45°	307	298	174	298	307	245
55°	168	211	130	211	168	153
65°	96	131	77	131	96	95
75°	44	64	40	64	44	47
85°	10	14	11	14	10	12
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°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	528.0	527.6	528.3	526.5	526.6	523.9	523.9	521.7	518.9	516.7	515.8
5°	575.2	575.7	574.9	571.8	569.7	566.6	563.1	557.0	551.8	546.8	543.0
7.5°	624.0	624.3	621.5	620.6	615.4	611.6	603.9	595.4	588.0	578.5	571.2
10°	652.4	652.1	649.3	646.9	642.5	636.7	629.0	619.2	609.9	599.6	589.7
12.5°	668.8	668.2	667.4	664.6	660.4	655.3	648.8	639.1	627.7	616.4	604.8
15°	691.1	689.6	687.0	683.4	677.4	671.5	664.3	655.7	644.7	632.0	621.3
17.5°	718.6	718.6	714.5	709.6	701.5	691.0	679.8	665.9	651.0	637.0	625.6
20°	741.4	740.7	736.6	727.1	717.8	704.6	691.9	674.8	656.7	638.3	624.1
22.5°	774.0	772.4	768.1	755.6	741.3	724.2	704.7	683.9	661.9	641.1	622.4
25°	827.5	826.3	817.8	803.3	783.2	757.0	731.5	702.8	671.3	643.9	621.3
27.5°	864.1	862.7	856.4	844.5	825.8	798.3	763.8	725.4	686.1	648.4	615.7
30°	860.4	863.5	862.7	857.1	843.1	818.4	786.5	743.4	696.6	652.4	613.4
32.5°	808.7	811.5	818.7	829.6	830.5	820.6	796.7	756.9	708.5	658.1	611.5
35°	686.5	690.3	704.3	726.3	755.2	779.3	784.2	762.8	719.3	665.1	608.9
37.5°	527.8	548.0	559.9	583.1	626.7	671.0	713.6	729.3	710.9	662.2	604.5
40°	448.4	453.3	474.3	500.5	537.2	583.3	644.1	688.0	689.4	655.7	597.5
42.5°	383.7	390.0	404.4	425.3	456.7	502.8	565.6	623.6	650.3	637.5	588.4
45°	307.0	311.7	322.3	338.3	362.4	400.6	454.5	521.5	574.6	595.5	564.2
47.5°	252.2	254.8	263.9	276.2	294.0	321.7	363.6	421.7	485.4	530.1	525.8
50°	222.6	225.4	232.4	241.7	256.7	280.2	313.6	362.0	427.8	482.3	493.3
52.5°	199.5	201.9	206.3	215.0	227.4	245.4	272.4	316.2	375.3	433.4	458.7
55°	168.5	170.2	173.7	178.6	188.5	201.5	224.8	255.1	302.9	361.4	398.5
57.5°	143.1	143.9	146.2	150.7	157.6	167.0	183.9	209.5	243.8	296.5	337.4
60°	126.9	127.8	130.6	133.8	139.1	147.8	161.0	178.9	211.8	255.3	296.7
62.5°	114.0	114.6	115.8	118.9	123.6	130.3	140.6	155.2	181.5	219.7	258.8
65°	95.6	95.8	96.2	98.7	101.6	106.6	113.3	123.6	143.4	172.3	206.9
67.5°	77.8	78.2	79.6	80.5	83.5	86.1	90.1	97.9	111.9	131.3	158.3
70°	68.0	67.8	69.2	70.3	71.2	74.4	77.0	83.5	92.1	106.9	129.4
72.5°	58.8	58.2	58.9	59.2	60.5	62.7	65.4	69.3	76.0	86.1	103.3
75°	44.5	44.7	44.7	45.1	46.2	47.0	47.8	49.8	53.6	60.4	69.6
77.5°	31.2	30.9	31.7	31.9	32.5	33.4	34.2	35.0	36.5	39.2	44.1
80°	22.6	22.6	22.8	23.5	23.3	23.7	24.7	25.6	27.4	29.1	30.7
82.5°	17.4	17.2	17.4	17.6	17.5	17.9	18.3	18.5	19.2	20.0	21.1
85°	9.5	9.5	9.7	9.7	9.9	9.9	10.1	10.1	10.1	10.3	10.5
87.5°	10.1	9.7	9.4	9.2	9.2	9.3	8.8	8.4	8.0	7.8	7.5
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°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	515.8	514.6	512.5	510.5	508.0	505.9	504.4	502.6	500.2	497.5	495.2
5°	538.6	534.0	528.1	522.9	516.3	511.2	505.9	500.7	495.5	488.9	483.1
7.5°	563.9	554.6	545.5	534.0	523.6	514.3	505.4	496.4	487.6	478.2	469.2
10°	579.4	568.0	555.5	541.1	527.9	515.3	503.8	492.4	480.5	470.0	458.7
12.5°	593.9	579.3	564.9	546.7	530.8	515.5	500.8	486.7	473.9	460.3	448.1
15°	607.0	592.5	576.5	554.3	532.2	513.6	496.3	478.0	462.2	446.9	433.3
17.5°	612.1	596.9	578.3	556.9	532.8	509.4	487.1	467.1	448.4	430.6	415.4
20°	610.1	595.5	576.3	555.9	530.1	505.9	481.7	459.5	438.6	419.9	403.7
22.5°	605.3	590.2	571.7	550.1	525.7	499.9	474.1	450.4	428.6	409.2	391.5
25°	598.2	577.6	558.6	537.5	514.2	488.7	462.2	436.0	412.7	392.9	373.5
27.5°	590.7	565.0	540.8	520.0	495.3	472.6	446.9	420.1	395.7	375.5	355.6
30°	583.9	555.1	528.5	504.8	481.5	459.9	435.6	409.4	384.2	363.5	343.3
32.5°	575.5	544.8	515.7	488.3	465.8	444.4	422.4	397.3	372.9	351.4	330.9
35°	565.0	525.8	494.1	465.0	440.1	419.3	399.5	379.3	354.8	332.5	312.5
37.5°	551.2	506.7	470.0	438.4	412.1	391.2	375.5	357.0	334.7	313.4	294.9
40°	542.7	492.8	452.7	421.3	393.8	371.7	357.0	341.4	321.0	301.0	282.5
42.5°	531.5	480.2	435.2	402.6	374.8	353.6	338.8	325.1	308.0	289.2	269.3
45°	509.5	455.6	408.4	373.4	345.4	324.5	310.7	298.5	285.6	268.2	250.9
47.5°	481.0	429.9	380.5	342.2	314.9	295.5	282.1	272.5	263.2	248.5	231.8
50°	458.1	408.8	360.6	323.5	294.3	275.9	263.3	255.7	247.3	233.9	219.8
52.5°	431.0	387.0	339.8	301.9	274.3	257.1	245.0	237.4	230.4	219.5	206.2
55°	388.4	349.8	306.6	272.2	246.8	229.5	218.0	210.8	206.7	197.4	186.9
57.5°	339.2	311.7	273.5	240.3	217.8	200.8	192.3	186.2	181.6	175.0	167.6
60°	305.0	285.6	251.4	219.8	199.2	183.0	175.3	170.2	165.9	160.3	154.5
62.5°	270.2	256.1	226.3	199.2	180.3	166.7	159.5	154.9	149.9	146.2	140.5
65°	223.6	211.0	190.4	169.2	151.7	140.7	135.5	131.4	128.4	124.2	120.3
67.5°	173.9	168.8	154.5	139.9	127.3	117.6	113.2	110.3	106.6	104.2	101.5
70°	143.4	140.9	130.8	121.2	109.4	102.8	98.7	97.5	92.9	90.4	88.6
72.5°	116.4	115.2	109.4	102.7	94.4	88.6	84.9	83.5	80.5	78.6	77.4
75°	79.7	80.2	79.1	74.8	71.7	68.0	64.7	63.8	61.8	60.2	59.1
77.5°	50.5	52.5	52.6	52.4	51.2	49.0	47.5	46.9	44.9	44.3	44.1
80°	34.6	36.9	39.0	38.7	38.3	37.7	36.6	36.0	35.0	34.4	34.0
82.5°	23.1	25.1	26.9	28.0	27.9	27.3	26.7	26.3	26.1	25.7	25.6
85°	10.9	11.3	11.9	13.4	14.4	14.6	14.4	14.2	13.6	13.8	14.0
87.5°	7.2	6.9	6.6	6.2	5.5	5.8	5.9	5.5	5.7	5.8	6.0
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: P333656-940

CATALOG NUMBER: S125RDIW-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: P333656-940

CATALOG NUMBER: S125RDIW-S375D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	493.5	491.2	489.5	486.2	483.9	483.0	481.2	480.6	482.5	481.2	481.0
5°	478.8	472.9	468.1	463.4	458.3	455.0	450.0	449.2	447.9	446.1	445.7
7.5°	461.3	453.4	447.4	439.5	432.7	427.2	421.1	418.1	416.5	414.1	410.9
10°	449.4	440.1	431.9	424.0	415.6	408.8	402.6	397.9	394.8	391.9	390.7
12.5°	437.7	428.2	417.7	408.2	398.8	391.2	384.3	381.2	377.8	374.4	371.6
15°	419.5	407.0	395.4	384.5	376.5	368.2	361.6	357.0	352.0	350.4	344.9
17.5°	400.2	387.9	374.3	362.9	353.6	344.5	337.2	332.1	328.2	322.9	320.4
20°	388.2	373.5	360.3	349.8	339.6	328.9	321.5	317.1	313.4	309.1	307.0
22.5°	375.3	361.1	347.5	335.2	324.8	314.1	308.9	304.4	300.2	296.2	293.5
25°	356.4	342.1	327.8	315.0	304.2	296.5	290.3	285.2	282.9	279.0	276.1
27.5°	337.8	322.4	307.7	295.0	286.4	278.8	273.8	269.7	265.6	262.3	259.7
30°	325.7	310.1	294.0	283.9	274.8	267.7	262.1	258.2	255.1	252.0	250.1
32.5°	313.7	297.6	283.3	272.4	263.9	257.6	251.9	248.1	244.9	241.5	239.2
35°	294.4	277.9	266.4	255.7	247.3	241.5	237.6	232.2	229.5	227.0	224.8
37.5°	276.5	261.2	248.7	239.3	231.9	226.2	221.1	218.3	215.0	212.8	210.9
40°	263.3	249.3	238.0	228.1	222.7	216.3	211.6	207.9	205.5	202.5	200.5
42.5°	251.5	238.4	227.4	218.6	211.9	206.4	201.9	198.1	195.0	193.0	191.3
45°	234.7	221.7	211.0	202.8	196.5	191.5	186.6	184.9	180.7	178.3	177.4
47.5°	217.3	205.7	195.4	187.8	181.5	176.6	172.1	168.4	166.0	163.6	162.3
50°	205.6	194.5	184.9	177.4	171.2	165.9	161.8	159.3	156.1	153.9	152.3
52.5°	193.9	183.6	174.0	166.8	161.5	156.1	151.5	149.1	146.2	144.7	143.6
55°	177.2	166.3	158.0	151.1	145.4	140.5	136.2	133.8	131.9	130.5	130.0
57.5°	158.3	149.6	142.0	135.6	129.8	125.2	121.4	119.0	117.4	117.2	115.9
60°	145.9	138.0	131.1	124.2	119.3	114.9	111.6	109.0	107.4	107.2	106.7
62.5°	133.5	126.0	119.5	113.5	109.1	105.0	101.7	98.8	97.8	96.8	95.9
65°	115.2	108.3	103.0	98.3	93.5	90.1	86.9	85.1	82.8	81.6	79.4
67.5°	97.2	91.9	86.8	82.8	79.0	75.7	73.1	70.4	68.8	67.9	66.3
70°	85.3	81.1	76.1	71.7	68.8	66.2	64.1	61.0	59.9	59.1	58.3
72.5°	74.1	70.4	66.2	62.6	59.7	57.2	54.8	53.4	52.3	51.5	51.1
75°	58.3	54.8	51.1	48.6	46.5	44.5	43.2	42.3	41.8	41.6	40.8
77.5°	42.8	40.9	38.0	36.0	34.7	33.8	32.7	32.2	32.1	31.2	30.9
80°	32.7	31.7	29.2	28.4	27.4	26.6	25.9	25.0	23.9	23.5	22.8
82.5°	24.3	23.4	22.3	21.0	20.2	19.6	19.1	18.6	18.8	18.2	17.9
85°	13.0	11.9	11.5	11.3	10.9	11.3	11.1	10.9	10.7	10.5	10.7
87.5°	6.3	6.8	7.0	7.8	7.7	8.3	8.6	8.6	9.0	9.3	9.4
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



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CATALOG NUMBER: S125RDIW-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: P333656-940

CATALOG NUMBER: S125RDIW-S375D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	480.8	479.0	478.5	479.2	478.5	479.0	480.8	481.0	481.2	482.5	480.6
5°	443.6	441.6	442.6	442.2	442.6	441.6	443.6	445.7	446.1	447.9	449.2
7.5°	410.9	408.3	405.6	406.4	405.6	408.3	410.9	410.9	414.1	416.5	418.1
10°	388.0	385.9	384.7	385.8	384.7	385.9	388.0	390.7	391.9	394.8	397.9
12.5°	368.7	367.5	366.4	366.0	366.4	367.5	368.7	371.6	374.4	377.8	381.2
15°	342.4	340.0	338.9	336.3	338.9	340.0	342.4	344.9	350.4	352.0	357.0
17.5°	318.3	317.4	314.8	313.6	314.8	317.4	318.3	320.4	322.9	328.2	332.1
20°	303.9	303.1	300.4	302.0	300.4	303.1	303.9	307.0	309.1	313.4	317.1
22.5°	292.0	290.3	289.4	288.9	289.4	290.3	292.0	293.5	296.2	300.2	304.4
25°	275.3	272.6	271.5	270.4	271.5	272.6	275.3	276.1	279.0	282.9	285.2
27.5°	258.5	257.1	255.7	255.4	255.7	257.1	258.5	259.7	262.3	265.6	269.7
30°	247.6	246.2	245.2	245.2	245.2	246.2	247.6	250.1	252.0	255.1	258.2
32.5°	237.9	236.8	235.8	235.6	235.8	236.8	237.9	239.2	241.5	244.9	248.1
35°	223.7	222.1	221.7	220.4	221.7	222.1	223.7	224.8	227.0	229.5	232.2
37.5°	209.0	207.7	207.7	207.5	207.7	207.7	209.0	210.9	212.8	215.0	218.3
40°	199.7	198.6	198.4	197.0	198.4	198.6	199.7	200.5	202.5	205.5	207.9
42.5°	189.6	189.0	188.3	187.7	188.3	189.0	189.6	191.3	193.0	195.0	198.1
45°	175.9	174.5	174.5	173.5	174.5	174.5	175.9	177.4	178.3	180.7	184.9
47.5°	161.8	160.8	160.9	159.8	160.9	160.8	161.8	162.3	163.6	166.0	168.4
50°	152.5	151.9	151.7	151.2	151.7	151.9	152.5	152.3	153.9	156.1	159.3
52.5°	143.1	142.8	143.6	142.7	143.6	142.8	143.1	143.6	144.7	146.2	149.1
55°	130.5	129.8	131.1	129.8	131.1	129.8	130.5	130.0	130.5	131.9	133.8
57.5°	115.9	115.3	116.5	115.8	116.5	115.3	115.9	115.9	117.2	117.4	119.0
60°	106.3	105.0	105.7	105.9	105.7	105.0	106.3	106.7	107.2	107.4	109.0
62.5°	95.0	94.2	94.7	93.7	94.7	94.2	95.0	95.9	96.8	97.8	98.8
65°	78.9	78.3	77.5	77.0	77.5	78.3	78.9	79.4	81.6	82.8	85.1
67.5°	66.3	64.8	64.7	65.1	64.7	64.8	66.3	66.3	67.9	68.8	70.4
70°	57.1	57.1	56.9	56.9	56.9	57.1	57.1	58.3	59.1	59.9	61.0
72.5°	50.6	50.5	50.1	49.9	50.1	50.5	50.6	51.1	51.5	52.3	53.4
75°	40.8	41.0	40.6	40.4	40.6	41.0	40.8	40.8	41.6	41.8	42.3
77.5°	30.1	29.2	29.7	29.2	29.7	29.2	30.1	30.9	31.2	32.1	32.2
80°	22.8	22.6	23.3	22.6	23.3	22.6	22.8	22.8	23.5	23.9	25.0
82.5°	18.1	17.9	18.2	17.7	18.2	17.9	18.1	17.9	18.2	18.8	18.6
85°	10.9	10.7	10.5	10.7	10.5	10.7	10.9	10.7	10.5	10.7	10.9
87.5°	9.7	9.7	9.9	10.1	9.9	9.7	9.7	9.4	9.3	9.0	8.6
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: P333656-940

CATALOG NUMBER: S125RDIW-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: P333656-940

CATALOG NUMBER: S125RDIW-S375D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	481.2	483.0	483.9	486.2	489.5	491.2	493.5	495.2	497.5	500.2	502.6
5°	450.0	455.0	458.3	463.4	468.1	472.9	478.8	483.1	488.9	495.5	500.7
7.5°	421.1	427.2	432.7	439.5	447.4	453.4	461.3	469.2	478.2	487.6	496.4
10°	402.6	408.8	415.6	424.0	431.9	440.1	449.4	458.7	470.0	480.5	492.4
12.5°	384.3	391.2	398.8	408.2	417.7	428.2	437.7	448.1	460.3	473.9	486.7
15°	361.6	368.2	376.5	384.5	395.4	407.0	419.5	433.3	446.9	462.2	478.0
17.5°	337.2	344.5	353.6	362.9	374.3	387.9	400.2	415.4	430.6	448.4	467.1
20°	321.5	328.9	339.6	349.8	360.3	373.5	388.2	403.7	419.9	438.6	459.5
22.5°	308.9	314.1	324.8	335.2	347.5	361.1	375.3	391.5	409.2	428.6	450.4
25°	290.3	296.5	304.2	315.0	327.8	342.1	356.4	373.5	392.9	412.7	436.0
27.5°	273.8	278.8	286.4	295.0	307.7	322.4	337.8	355.6	375.5	395.7	420.1
30°	262.1	267.7	274.8	283.9	294.0	310.1	325.7	343.3	363.5	384.2	409.4
32.5°	251.9	257.6	263.9	272.4	283.3	297.6	313.7	330.9	351.4	372.9	397.3
35°	237.6	241.5	247.3	255.7	266.4	277.9	294.4	312.5	332.5	354.8	379.3
37.5°	221.1	226.2	231.9	239.3	248.7	261.2	276.5	294.9	313.4	334.7	357.0
40°	211.6	216.3	222.7	228.1	238.0	249.3	263.3	282.5	301.0	321.0	341.4
42.5°	201.9	206.4	211.9	218.6	227.4	238.4	251.5	269.3	289.2	308.0	325.1
45°	186.6	191.5	196.5	202.8	211.0	221.7	234.7	250.9	268.2	285.6	298.5
47.5°	172.1	176.6	181.5	187.8	195.4	205.7	217.3	231.8	248.5	263.2	272.5
50°	161.8	165.9	171.2	177.4	184.9	194.5	205.6	219.8	233.9	247.3	255.7
52.5°	151.5	156.1	161.5	166.8	174.0	183.6	193.9	206.2	219.5	230.4	237.4
55°	136.2	140.5	145.4	151.1	158.0	166.3	177.2	186.9	197.4	206.7	210.8
57.5°	121.4	125.2	129.8	135.6	142.0	149.6	158.3	167.6	175.0	181.6	186.2
60°	111.6	114.9	119.3	124.2	131.1	138.0	145.9	154.5	160.3	165.9	170.2
62.5°	101.7	105.0	109.1	113.5	119.5	126.0	133.5	140.5	146.2	149.9	154.9
65°	86.9	90.1	93.5	98.3	103.0	108.3	115.2	120.3	124.2	128.4	131.4
67.5°	73.1	75.7	79.0	82.8	86.8	91.9	97.2	101.5	104.2	106.6	110.3
70°	64.1	66.2	68.8	71.7	76.1	81.1	85.3	88.6	90.4	92.9	97.5
72.5°	54.8	57.2	59.7	62.6	66.2	70.4	74.1	77.4	78.6	80.5	83.5
75°	43.2	44.5	46.5	48.6	51.1	54.8	58.3	59.1	60.2	61.8	63.8
77.5°	32.7	33.8	34.7	36.0	38.0	40.9	42.8	44.1	44.3	44.9	46.9
80°	25.9	26.6	27.4	28.4	29.2	31.7	32.7	34.0	34.4	35.0	36.0
82.5°	19.1	19.6	20.2	21.0	22.3	23.4	24.3	25.6	25.7	26.1	26.3
85°	11.1	11.3	10.9	11.3	11.5	11.9	13.0	14.0	13.8	13.6	14.2
87.5°	8.6	8.3	7.7	7.8	7.0	6.8	6.3	6.0	5.8	5.7	5.5
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



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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



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	504.4	505.9	508.0	510.5	512.5	514.6	515.8	515.8	516.7	518.9	521.7
5°	505.9	511.2	516.3	522.9	528.1	534.0	538.6	543.0	546.8	551.8	557.0
7.5°	505.4	514.3	523.6	534.0	545.5	554.6	563.9	571.2	578.5	588.0	595.4
10°	503.8	515.3	527.9	541.1	555.5	568.0	579.4	589.7	599.6	609.9	619.2
12.5°	500.8	515.5	530.8	546.7	564.9	579.3	593.9	604.8	616.4	627.7	639.1
15°	496.3	513.6	532.2	554.3	576.5	592.5	607.0	621.3	632.0	644.7	655.7
17.5°	487.1	509.4	532.8	556.9	578.3	596.9	612.1	625.6	637.0	651.0	665.9
20°	481.7	505.9	530.1	555.9	576.3	595.5	610.1	624.1	638.3	656.7	674.8
22.5°	474.1	499.9	525.7	550.1	571.7	590.2	605.3	622.4	641.1	661.9	683.9
25°	462.2	488.7	514.2	537.5	558.6	577.6	598.2	621.3	643.9	671.3	702.8
27.5°	446.9	472.6	495.3	520.0	540.8	565.0	590.7	615.7	648.4	686.1	725.4
30°	435.6	459.9	481.5	504.8	528.5	555.1	583.9	613.4	652.4	696.6	743.4
32.5°	422.4	444.4	465.8	488.3	515.7	544.8	575.5	611.5	658.1	708.5	756.9
35°	399.5	419.3	440.1	465.0	494.1	525.8	565.0	608.9	665.1	719.3	762.8
37.5°	375.5	391.2	412.1	438.4	470.0	506.7	551.2	604.5	662.2	710.9	729.3
40°	357.0	371.7	393.8	421.3	452.7	492.8	542.7	597.5	655.7	689.4	688.0
42.5°	338.8	353.6	374.8	402.6	435.2	480.2	531.5	588.4	637.5	650.3	623.6
45°	310.7	324.5	345.4	373.4	408.4	455.6	509.5	564.2	595.5	574.6	521.5
47.5°	282.1	295.5	314.9	342.2	380.5	429.9	481.0	525.8	530.1	485.4	421.7
50°	263.3	275.9	294.3	323.5	360.6	408.8	458.1	493.3	482.3	427.8	362.0
52.5°	245.0	257.1	274.3	301.9	339.8	387.0	431.0	458.7	433.4	375.3	316.2
55°	218.0	229.5	246.8	272.2	306.6	349.8	388.4	398.5	361.4	302.9	255.1
57.5°	192.3	200.8	217.8	240.3	273.5	311.7	339.2	337.4	296.5	243.8	209.5
60°	175.3	183.0	199.2	219.8	251.4	285.6	305.0	296.7	255.3	211.8	178.9
62.5°	159.5	166.7	180.3	199.2	226.3	256.1	270.2	258.8	219.7	181.5	155.2
65°	135.5	140.7	151.7	169.2	190.4	211.0	223.6	206.9	172.3	143.4	123.6
67.5°	113.2	117.6	127.3	139.9	154.5	168.8	173.9	158.3	131.3	111.9	97.9
70°	98.7	102.8	109.4	121.2	130.8	140.9	143.4	129.4	106.9	92.1	83.5
72.5°	84.9	88.6	94.4	102.7	109.4	115.2	116.4	103.3	86.1	76.0	69.3
75°	64.7	68.0	71.7	74.8	79.1	80.2	79.7	69.6	60.4	53.6	49.8
77.5°	47.5	49.0	51.2	52.4	52.6	52.5	50.5	44.1	39.2	36.5	35.0
80°	36.6	37.7	38.3	38.7	39.0	36.9	34.6	30.7	29.1	27.4	25.6
82.5°	26.7	27.3	27.9	28.0	26.9	25.1	23.1	21.1	20.0	19.2	18.5
85°	14.4	14.6	14.4	13.4	11.9	11.3	10.9	10.5	10.3	10.1	10.1
87.5°	5.9	5.8	5.5	6.2	6.6	6.9	7.2	7.5	7.8	8.0	8.4
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°	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	523.9	523.9	526.6	526.5	528.3	527.6	528.0
5°	563.1	566.6	569.7	571.8	574.9	575.7	575.2
7.5°	603.9	611.6	615.4	620.6	621.5	624.3	624.0
10°	629.0	636.7	642.5	646.9	649.3	652.1	652.4
12.5°	648.8	655.3	660.4	664.6	667.4	668.2	668.8
15°	664.3	671.5	677.4	683.4	687.0	689.6	691.1
17.5°	679.8	691.0	701.5	709.6	714.5	718.6	718.6
20°	691.9	704.6	717.8	727.1	736.6	740.7	741.4
22.5°	704.7	724.2	741.3	755.6	768.1	772.4	774.0
25°	731.5	757.0	783.2	803.3	817.8	826.3	827.5
27.5°	763.8	798.3	825.8	844.5	856.4	862.7	864.1
30°	786.5	818.4	843.1	857.1	862.7	863.5	860.4
32.5°	796.7	820.6	830.5	829.6	818.7	811.5	808.7
35°	784.2	779.3	755.2	726.3	704.3	690.3	686.5
37.5°	713.6	671.0	626.7	583.1	559.9	548.0	527.8
40°	644.1	583.3	537.2	500.5	474.3	453.3	448.4
42.5°	565.6	502.8	456.7	425.3	404.4	390.0	383.7
45°	454.5	400.6	362.4	338.3	322.3	311.7	307.0
47.5°	363.6	321.7	294.0	276.2	263.9	254.8	252.2
50°	313.6	280.2	256.7	241.7	232.4	225.4	222.6
52.5°	272.4	245.4	227.4	215.0	206.3	201.9	199.5
55°	224.8	201.5	188.5	178.6	173.7	170.2	168.5
57.5°	183.9	167.0	157.6	150.7	146.2	143.9	143.1
60°	161.0	147.8	139.1	133.8	130.6	127.8	126.9
62.5°	140.6	130.3	123.6	118.9	115.8	114.6	114.0
65°	113.3	106.6	101.6	98.7	96.2	95.8	95.6
67.5°	90.1	86.1	83.5	80.5	79.6	78.2	77.8
70°	77.0	74.4	71.2	70.3	69.2	67.8	68.0
72.5°	65.4	62.7	60.5	59.2	58.9	58.2	58.8
75°	47.8	47.0	46.2	45.1	44.7	44.7	44.5
77.5°	34.2	33.4	32.5	31.9	31.7	30.9	31.2
80°	24.7	23.7	23.3	23.5	22.8	22.6	22.6
82.5°	18.3	17.9	17.5	17.6	17.4	17.2	17.4
85°	10.1	9.9	9.9	9.7	9.7	9.5	9.5
87.5°	8.8	9.3	9.2	9.2	9.4	9.7	10.1
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)