

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: P333656-830

Luminaire Tested: **S125RDIW-S375D1560U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333656-830  
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-S375D1560U830-4F0-1E-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: 7256.2 lumens  
Efficiency: N/A  
Efficacy: 135.9 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

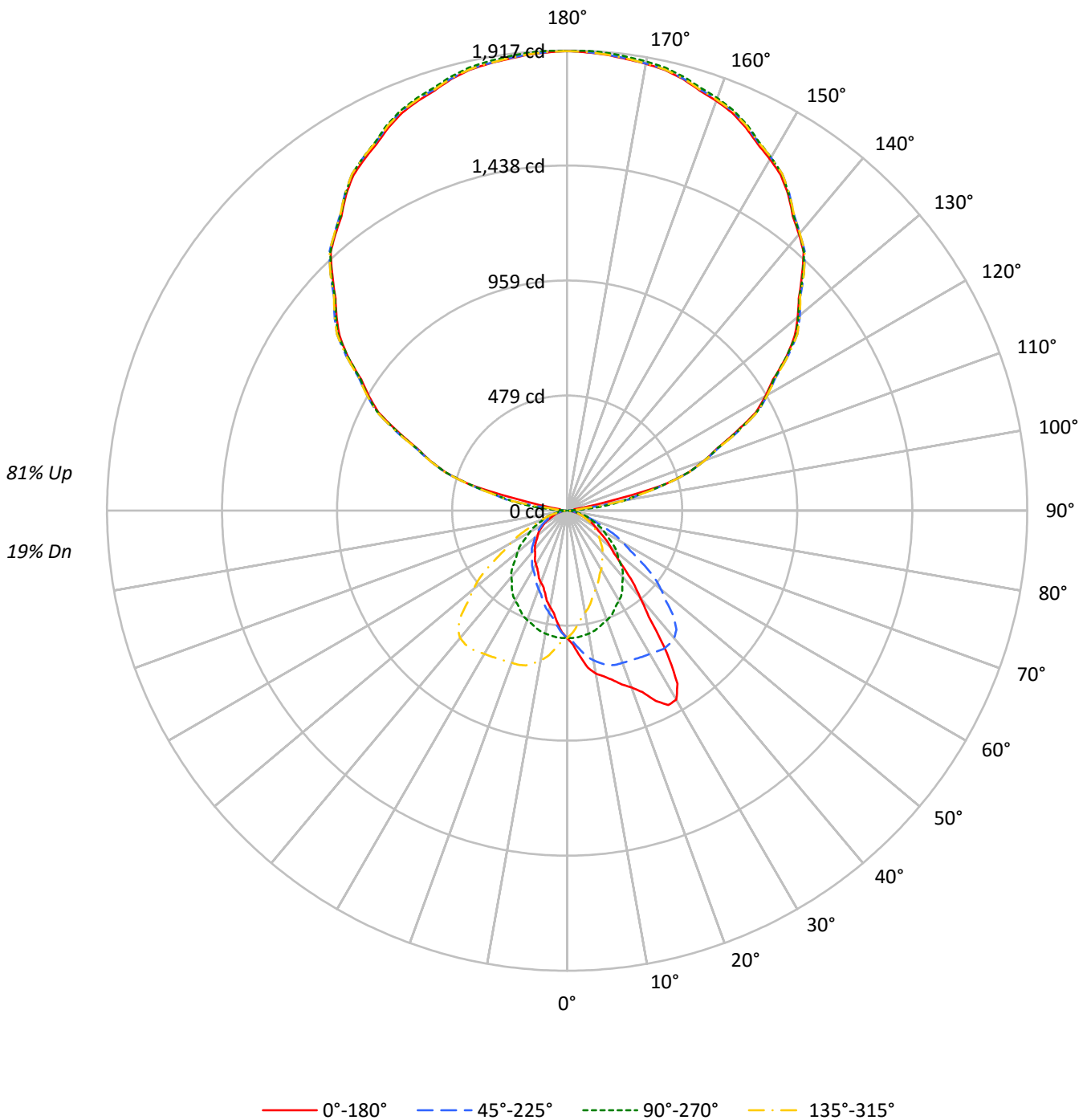
Input Watts (W): 53.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3427	3427	3427	3427
5°	3942	3431	3030	3431
10°	4522	3413	2674	3413
15°	4884	3379	2376	3379
20°	5386	3338	2194	3338
25°	6233	3284	2037	3284
30°	6783	3227	1933	3227
35°	5722	3162	1837	3162
40°	3995	3043	1755	3043
45°	2964	2883	1675	2883
50°	2364	2716	1607	2716
55°	2005	2509	1545	2509
60°	1732	2324	1447	2324
65°	1543	2123	1244	2123
70°	1358	1945	1135	1945
75°	1173	1684	1065	1684
80°	889	1417	889	1417
85°	741	1112	837	1112



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.9	0.7
10°-20°	149.1	2.1
20°-30°	236.4	3.3
30°-40°	285.1	3.9
40°-50°	254.6	3.5
50°-60°	195.2	2.7
60°-70°	126.9	1.7
70°-80°	61.7	0.8
80°-90°	18.7	0.3
90°-100°	69.6	1.0
100°-110°	428.7	5.9
110°-120°	777.5	10.7
120°-130°	997.8	13.8
130°-140°	1073.2	14.8
140°-150°	1007.4	13.9
150°-160°	814.9	11.2
160°-170°	527.0	7.3
170°-180°	181.8	2.5
0°-30°	436.4	6.0
0°-40°	721.4	9.9
0°-60°	1171.3	16.1
0°-90°	1378.5	19.0
90°-120°	1275.7	17.6
90°-150°	4354.1	60.0
90°-180°	5878.0	81.0
0°-180°	7256.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	531	531	531	531	531	
5°	608	529	467	529	608	61
15°	730	505	355	505	730	209
25°	875	461	286	461	875	402
35°	726	401	233	401	726	438
45°	324	316	183	316	324	259
55°	178	223	137	223	178	162
65°	101	139	81	139	101	101
75°	47	68	43	68	47	50
85°	10	15	11	15	10	12
90°	34	1	34	1	34	15
95°	30	81	30	81	30	25
105°	421	417	421	417	421	381
115°	778	783	778	783	778	772
125°	1114	1114	1114	1114	1114	991
135°	1383	1389	1383	1389	1383	1068
145°	1606	1610	1606	1610	1606	1003
155°	1761	1774	1761	1774	1761	812
165°	1862	1872	1862	1872	1862	525
175°	1906	1914	1906	1914	1906	181
180°	1914	1914	1914	1914	1914	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	558.1	557.7	558.5	556.5	556.7	553.7	553.7	551.5	548.5	546.2	545.2
5°	608.0	608.5	607.7	604.4	602.2	598.9	595.2	588.7	583.2	578.0	573.9
7.5°	659.6	659.9	657.0	656.0	650.4	646.5	638.3	629.3	621.5	611.4	603.8
10°	689.6	689.3	686.3	683.8	679.1	673.0	664.9	654.5	644.7	633.8	623.3
12.5°	706.9	706.3	705.4	702.5	698.0	692.7	685.8	675.5	663.5	651.6	639.3
15°	730.5	729.0	726.1	722.4	716.0	709.7	702.2	693.1	681.5	668.0	656.7
17.5°	759.6	759.6	755.3	750.1	741.5	730.4	718.6	703.9	688.2	673.4	661.3
20°	783.6	783.0	778.6	768.5	758.7	744.8	731.3	713.2	694.1	674.7	659.7
22.5°	818.1	816.4	811.9	798.7	783.5	765.5	744.9	722.8	699.6	677.7	657.9
25°	874.7	873.4	864.4	849.1	827.8	800.1	773.2	742.9	709.5	680.6	656.7
27.5°	913.3	911.9	905.2	892.6	872.9	843.8	807.3	766.8	725.2	685.3	650.8
30°	909.5	912.8	911.9	906.0	891.2	865.1	831.3	785.8	736.3	689.6	648.4
32.5°	854.8	857.7	865.3	876.9	877.8	867.3	842.1	800.0	748.9	695.6	646.4
35°	725.7	729.6	744.4	767.7	798.2	823.7	828.9	806.3	760.3	703.0	643.6
37.5°	557.9	579.3	591.8	616.3	662.4	709.3	754.3	770.9	751.4	699.9	638.9
40°	473.9	479.1	501.3	529.0	567.8	616.5	680.8	727.2	728.7	693.1	631.6
42.5°	405.6	412.3	427.4	449.6	482.8	531.5	597.9	659.1	687.4	673.8	622.0
45°	324.5	329.5	340.6	357.6	383.0	423.4	480.4	551.2	607.4	629.4	596.3
47.5°	266.6	269.3	278.9	291.9	310.8	340.1	384.3	445.7	513.1	560.3	555.7
50°	235.3	238.3	245.6	255.4	271.4	296.1	331.5	382.7	452.1	509.8	521.4
52.5°	210.8	213.4	218.0	227.2	240.3	259.4	287.9	334.2	396.7	458.1	484.8
55°	178.1	179.9	183.6	188.8	199.3	213.0	237.6	269.7	320.2	382.0	421.2
57.5°	151.3	152.1	154.5	159.3	166.5	176.5	194.4	221.4	257.7	313.4	356.7
60°	134.1	135.1	138.1	141.4	147.0	156.2	170.1	189.1	223.9	269.8	313.6
62.5°	120.6	121.1	122.4	125.6	130.6	137.7	148.6	164.1	191.8	232.2	273.5
65°	101.0	101.2	101.7	104.3	107.4	112.6	119.8	130.6	151.6	182.1	218.7
67.5°	82.3	82.7	84.2	85.1	88.2	91.0	95.2	103.5	118.3	138.8	167.3
70°	71.9	71.6	73.1	74.3	75.3	78.6	81.4	88.2	97.4	113.0	136.8
72.5°	62.1	61.5	62.2	62.6	64.0	66.3	69.1	73.2	80.3	91.0	109.2
75°	47.0	47.2	47.2	47.7	48.8	49.7	50.5	52.7	56.6	63.8	73.6
77.5°	33.0	32.7	33.6	33.7	34.4	35.3	36.1	36.9	38.5	41.5	46.6
80°	23.9	23.9	24.1	24.8	24.6	25.1	26.1	27.1	28.9	30.7	32.4
82.5°	18.4	18.2	18.4	18.6	18.5	18.9	19.3	19.5	20.3	21.1	22.3
85°	10.0	10.0	10.3	10.3	10.5	10.5	10.7	10.7	10.7	10.9	11.1
87.5°	10.7	10.3	9.9	9.7	9.7	9.8	9.3	8.9	8.5	8.2	7.9
90°	34.0	33.1	32.1	31.2	30.3	29.0	27.4	25.8	24.3	22.7	20.5
92.5°	31.8	31.4	30.9	30.4	30.0	29.0	27.4	25.8	24.3	22.7	20.7
95°	29.8	29.8	29.8	29.8	29.8	29.0	27.4	25.8	24.3	22.7	34.7
97.5°	29.8	29.8	29.8	29.8	29.8	34.2	43.2	52.0	60.9	69.8	93.5
100°	29.8	31.1	32.3	33.6	34.9	59.0	105.9	152.9	199.9	246.9	245.6
102.5°	178.5	199.9	221.4	242.8	264.3	279.5	288.3	297.2	306.1	315.0	314.2
105°	421.4	421.7	422.1	422.4	422.6	422.8	422.8	422.8	422.8	422.8	422.8
107.5°	531.2	532.2	533.1	534.0	535.0	535.5	535.4	535.4	535.3	535.2	534.6
110°	607.3	607.0	606.6	606.3	606.1	606.3	607.3	608.2	609.2	610.1	609.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	675.3	675.8	676.3	676.7	677.1	678.0	679.2	680.3	681.6	682.8	682.4
115°	777.5	779.4	781.3	783.3	785.1	786.6	788.0	789.2	790.4	791.7	791.5
117.5°	886.5	887.3	888.2	889.0	889.8	891.0	892.7	894.3	895.9	897.6	896.4
120°	953.5	955.1	956.6	958.2	959.8	960.9	961.5	962.1	962.8	963.4	962.4
122.5°	1017.0	1018.9	1020.7	1022.6	1024.4	1025.6	1026.2	1026.8	1027.5	1028.1	1027.7
125°	1113.8	1114.7	1115.7	1116.6	1117.6	1118.7	1119.9	1121.2	1122.5	1123.7	1123.7
127.5°	1195.2	1197.6	1200.0	1202.2	1204.6	1206.1	1206.8	1207.5	1208.2	1208.9	1209.1
130°	1254.2	1255.8	1257.4	1259.0	1260.6	1261.9	1262.8	1263.8	1264.7	1265.6	1265.3
132.5°	1308.7	1310.3	1311.9	1313.5	1315.0	1316.0	1316.2	1316.4	1316.5	1316.7	1317.4
135°	1383.4	1385.3	1387.1	1389.0	1390.9	1392.2	1392.9	1393.5	1394.1	1394.8	1395.3
137.5°	1458.3	1459.9	1461.6	1463.2	1464.9	1465.7	1465.5	1465.4	1465.3	1465.1	1465.7
140°	1502.6	1504.5	1506.4	1508.3	1510.1	1510.8	1510.1	1509.5	1508.9	1508.3	1508.5
142.5°	1544.5	1546.4	1548.3	1550.2	1552.2	1553.0	1552.9	1552.7	1552.7	1552.6	1552.1
145°	1606.2	1608.1	1610.0	1611.8	1613.7	1614.5	1614.2	1613.9	1613.5	1613.3	1613.3
147.5°	1657.0	1659.3	1661.5	1663.8	1666.0	1667.0	1666.6	1666.2	1665.8	1665.5	1665.1
150°	1689.9	1692.4	1694.9	1697.4	1700.0	1700.9	1700.3	1699.6	1699.0	1698.4	1697.7
152.5°	1720.5	1722.8	1725.0	1727.3	1729.6	1730.4	1729.8	1729.2	1728.5	1727.9	1727.3
155°	1760.8	1763.3	1765.9	1768.4	1770.8	1771.7	1770.8	1769.8	1768.9	1767.9	1767.3
157.5°	1794.6	1797.1	1799.6	1802.1	1804.7	1805.4	1804.4	1803.4	1802.4	1801.4	1801.3
160°	1816.2	1818.6	1821.2	1823.7	1826.3	1826.8	1825.6	1824.3	1823.1	1821.8	1821.5
162.5°	1835.4	1838.2	1841.0	1843.8	1846.5	1847.0	1845.3	1843.5	1841.7	1839.9	1839.7
165°	1861.5	1864.1	1866.6	1869.2	1871.6	1872.0	1870.1	1868.1	1866.2	1864.3	1864.1
167.5°	1879.7	1882.5	1885.4	1888.2	1891.0	1891.3	1889.0	1886.8	1884.5	1882.3	1882.0
170°	1889.9	1892.7	1895.6	1898.5	1901.3	1901.4	1898.9	1896.4	1893.9	1891.3	1891.0
172.5°	1896.8	1899.6	1902.4	1905.3	1908.1	1908.4	1906.1	1903.8	1901.6	1899.3	1898.8
175°	1905.5	1908.4	1911.2	1914.0	1916.8	1917.0	1914.5	1911.9	1909.5	1907.0	1906.7
177.5°	1910.6	1912.6	1914.7	1916.7	1918.7	1918.8	1917.0	1915.3	1913.5	1911.8	1911.5
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	545.2	543.9	541.7	539.6	537.0	534.7	533.1	531.2	528.8	525.8	523.4
5°	569.3	564.5	558.2	552.7	545.7	540.4	534.7	529.2	523.8	516.8	510.7
7.5°	596.1	586.2	576.6	564.4	553.5	543.7	534.2	524.7	515.4	505.5	496.0
10°	612.5	600.4	587.2	571.9	558.0	544.7	532.5	520.5	507.8	496.8	484.8
12.5°	627.7	612.3	597.1	577.9	561.1	544.9	529.3	514.4	501.0	486.5	473.6
15°	641.6	626.3	609.4	585.9	562.5	542.9	524.6	505.3	488.5	472.4	458.0
17.5°	647.0	630.9	611.2	588.6	563.2	538.5	514.9	493.7	473.9	455.2	439.0
20°	644.9	629.4	609.2	587.6	560.3	534.7	509.2	485.7	463.6	443.8	426.7
22.5°	639.8	623.9	604.3	581.5	555.6	528.4	501.1	476.1	453.1	432.5	413.8
25°	632.3	610.5	590.4	568.2	543.6	516.6	488.5	460.8	436.2	415.3	394.8
27.5°	624.3	597.2	571.7	549.6	523.6	499.5	472.4	444.0	418.2	396.9	375.9
30°	617.2	586.7	558.6	533.6	509.0	486.1	460.4	432.7	406.1	384.2	362.9
32.5°	608.3	575.9	545.1	516.1	492.4	469.8	446.5	420.0	394.2	371.5	349.8
35°	597.2	555.8	522.3	491.5	465.2	443.2	422.3	401.0	375.0	351.5	330.4
37.5°	582.6	535.6	496.8	463.4	435.5	413.5	396.9	377.4	353.7	331.3	311.7
40°	573.6	520.9	478.5	445.4	416.2	392.9	377.4	360.9	339.3	318.2	298.6
42.5°	561.8	507.6	460.1	425.6	396.2	373.7	358.1	343.7	325.6	305.7	284.6
45°	538.6	481.5	431.7	394.6	365.0	343.0	328.4	315.6	301.9	283.5	265.2
47.5°	508.4	454.4	402.2	361.7	332.8	312.4	298.2	288.0	278.2	262.7	245.0
50°	484.2	432.1	381.2	342.0	311.0	291.6	278.3	270.3	261.4	247.2	232.3
52.5°	455.5	409.1	359.2	319.1	289.9	271.7	259.0	250.9	243.6	232.1	217.9
55°	410.6	369.8	324.0	287.7	260.9	242.6	230.5	222.8	218.5	208.7	197.6
57.5°	358.5	329.4	289.1	254.0	230.3	212.3	203.3	196.8	191.9	184.9	177.1
60°	322.3	301.9	265.7	232.3	210.6	193.4	185.3	179.9	175.3	169.5	163.3
62.5°	285.6	270.7	239.2	210.6	190.6	176.2	168.6	163.7	158.4	154.5	148.5
65°	236.3	223.0	201.2	178.8	160.3	148.7	143.3	138.9	135.7	131.3	127.1
67.5°	183.8	178.4	163.3	147.9	134.6	124.3	119.6	116.6	112.7	110.1	107.3
70°	151.6	148.9	138.3	128.1	115.6	108.7	104.3	103.0	98.2	95.6	93.7
72.5°	123.0	121.8	115.6	108.6	99.8	93.7	89.7	88.2	85.1	83.0	81.8
75°	84.3	84.7	83.6	79.1	75.8	71.9	68.4	67.5	65.3	63.6	62.5
77.5°	53.3	55.5	55.6	55.4	54.1	51.7	50.2	49.6	47.5	46.8	46.6
80°	36.6	39.0	41.2	40.9	40.5	39.9	38.7	38.1	37.0	36.4	35.9
82.5°	24.4	26.6	28.5	29.6	29.5	28.8	28.2	27.8	27.6	27.1	27.1
85°	11.5	12.0	12.6	14.1	15.3	15.5	15.3	15.0	14.4	14.6	14.8
87.5°	7.6	7.3	7.0	6.5	5.8	6.1	6.2	5.8	6.0	6.1	6.3
90°	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4	4.0	6.5	9.0
92.5°	18.8	16.9	14.9	14.8	16.6	18.3	20.1	21.9	20.1	18.3	16.6
95°	46.7	58.6	70.6	77.1	78.0	79.0	79.9	80.9	79.9	79.0	78.0
97.5°	117.3	140.9	164.7	175.7	174.0	172.2	170.5	168.8	170.5	172.2	174.0
100°	244.4	243.1	241.9	240.7	239.8	238.8	237.9	237.0	237.9	238.8	239.8
102.5°	313.5	312.7	312.0	310.9	309.8	308.6	307.4	306.2	307.4	308.6	309.8
105°	422.8	422.8	422.8	422.2	420.9	419.7	418.4	417.2	418.4	419.7	420.9
107.5°	534.0	533.3	532.6	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3
110°	608.9	608.2	607.6	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3





TEST NUMBER: P333656-830

CATALOG NUMBER: S125RDIW-S375D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	682.0	681.6	681.3	680.7	680.0	679.2	678.4	677.7	678.4	679.2	680.0
115°	791.1	790.8	790.4	789.5	788.0	786.4	784.8	783.3	784.8	786.4	788.0
117.5°	895.1	894.0	892.8	892.2	892.3	892.3	892.4	892.5	892.4	892.3	892.3
120°	961.5	960.5	959.6	959.3	959.6	960.0	960.3	960.5	960.3	960.0	959.6
122.5°	1027.2	1026.8	1026.3	1025.5	1024.4	1023.1	1021.9	1020.8	1021.9	1023.1	1024.4
125°	1123.7	1123.7	1123.7	1122.7	1120.4	1118.2	1116.0	1113.8	1116.0	1118.2	1120.4
127.5°	1209.3	1209.5	1209.7	1208.9	1207.4	1205.8	1204.2	1202.6	1204.2	1205.8	1207.4
130°	1265.0	1264.7	1264.3	1263.4	1261.9	1260.3	1258.7	1257.1	1258.7	1260.3	1261.9
132.5°	1318.1	1318.8	1319.5	1318.9	1317.1	1315.2	1313.4	1311.5	1313.4	1315.2	1317.1
135°	1396.0	1396.7	1397.2	1396.7	1394.8	1392.9	1390.9	1389.0	1390.9	1392.9	1394.8
137.5°	1466.2	1466.8	1467.4	1466.9	1465.2	1463.6	1461.9	1460.3	1461.9	1463.6	1465.2
140°	1508.9	1509.2	1509.5	1509.4	1508.7	1508.1	1507.5	1506.8	1507.5	1508.1	1508.7
142.5°	1551.6	1551.2	1550.8	1550.3	1549.9	1549.5	1549.2	1548.8	1549.2	1549.5	1549.9
145°	1613.3	1613.3	1613.3	1613.0	1612.3	1611.7	1611.0	1610.4	1611.0	1611.7	1612.3
147.5°	1664.7	1664.3	1664.0	1663.8	1664.0	1664.1	1664.2	1664.3	1664.2	1664.1	1664.0
150°	1697.1	1696.5	1695.8	1695.8	1696.5	1697.1	1697.7	1698.4	1697.7	1697.1	1696.5
152.5°	1726.6	1726.0	1725.3	1725.7	1727.1	1728.5	1729.9	1731.3	1729.9	1728.5	1727.1
155°	1766.6	1766.0	1765.4	1766.0	1767.9	1769.8	1771.7	1773.6	1771.7	1769.8	1767.9
157.5°	1801.3	1801.2	1801.1	1801.7	1802.8	1803.9	1805.1	1806.2	1805.1	1803.9	1802.8
160°	1821.2	1820.9	1820.5	1821.4	1823.3	1825.1	1827.0	1828.9	1827.0	1825.1	1823.3
162.5°	1839.4	1839.0	1838.7	1839.5	1841.4	1843.3	1845.2	1847.1	1845.2	1843.3	1841.4
165°	1863.8	1863.4	1863.1	1863.9	1865.8	1867.6	1869.6	1871.5	1869.6	1867.6	1865.8
167.5°	1881.6	1881.3	1881.0	1881.8	1883.8	1885.7	1887.7	1889.6	1887.7	1885.7	1883.8
170°	1890.7	1890.4	1890.1	1891.0	1893.2	1895.5	1897.6	1899.9	1897.6	1895.5	1893.2
172.5°	1898.2	1897.6	1897.1	1897.8	1900.1	1902.2	1904.5	1906.7	1904.5	1902.2	1900.1
175°	1906.3	1906.0	1905.7	1906.5	1908.4	1910.3	1912.1	1914.0	1912.1	1910.3	1908.4
177.5°	1911.3	1911.0	1910.7	1911.4	1912.9	1914.4	1915.9	1917.4	1915.9	1914.4	1912.9
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333656-830

CATALOG NUMBER: S125RDIW-S375D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	521.6	519.2	517.5	514.0	511.5	510.5	508.6	508.0	510.0	508.6	508.4
5°	506.1	499.8	494.8	489.8	484.4	480.9	475.6	474.8	473.4	471.6	471.1
7.5°	487.6	479.3	472.9	464.6	457.4	451.6	445.1	442.0	440.3	437.7	434.3
10°	475.0	465.2	456.5	448.2	439.3	432.1	425.6	420.6	417.3	414.2	412.9
12.5°	462.6	452.6	441.5	431.5	421.5	413.5	406.2	402.9	399.4	395.8	392.8
15°	443.4	430.2	417.9	406.4	397.9	389.2	382.2	377.4	372.0	370.4	364.6
17.5°	423.0	410.0	395.7	383.6	373.7	364.1	356.5	351.0	346.9	341.3	338.7
20°	410.3	394.8	380.9	369.8	358.9	347.6	339.8	335.2	331.3	326.7	324.5
22.5°	396.7	381.6	367.3	354.3	343.3	332.1	326.5	321.8	317.4	313.1	310.2
25°	376.7	361.6	346.5	333.0	321.5	313.4	306.9	301.4	299.1	294.9	291.8
27.5°	357.0	340.8	325.3	311.8	302.7	294.7	289.4	285.1	280.8	277.2	274.5
30°	344.3	327.8	310.8	300.1	290.5	283.0	277.0	272.9	269.7	266.4	264.4
32.5°	331.6	314.5	299.4	287.9	278.9	272.3	266.3	262.2	258.8	255.2	252.9
35°	311.2	293.8	281.6	270.3	261.4	255.2	251.1	245.4	242.6	240.0	237.6
37.5°	292.3	276.1	262.9	253.0	245.2	239.1	233.8	230.7	227.2	224.9	222.9
40°	278.3	263.5	251.6	241.1	235.4	228.7	223.7	219.7	217.2	214.1	211.9
42.5°	265.8	252.0	240.3	231.0	223.9	218.2	213.4	209.4	206.1	204.0	202.2
45°	248.1	234.3	223.0	214.3	207.7	202.4	197.3	195.4	191.0	188.4	187.5
47.5°	229.7	217.4	206.5	198.5	191.8	186.6	181.9	178.0	175.5	173.0	171.5
50°	217.4	205.6	195.4	187.5	181.0	175.3	171.0	168.3	165.0	162.7	161.0
52.5°	205.0	194.1	183.9	176.3	170.7	165.0	160.1	157.6	154.5	153.0	151.7
55°	187.3	175.8	167.0	159.7	153.7	148.5	143.9	141.4	139.4	137.9	137.4
57.5°	167.3	158.2	150.1	143.4	137.2	132.3	128.3	125.8	124.1	123.9	122.5
60°	154.2	145.9	138.6	131.3	126.1	121.5	118.0	115.2	113.5	113.3	112.8
62.5°	141.1	133.2	126.3	120.0	115.3	110.9	107.5	104.4	103.4	102.3	101.3
65°	121.8	114.5	108.9	103.9	98.9	95.2	91.9	89.9	87.6	86.2	83.9
67.5°	102.7	97.2	91.7	87.5	83.5	80.0	77.3	74.4	72.8	71.7	70.0
70°	90.2	85.8	80.4	75.8	72.8	69.9	67.8	64.5	63.3	62.5	61.6
72.5°	78.3	74.5	69.9	66.2	63.2	60.5	58.0	56.5	55.3	54.5	54.0
75°	61.6	58.0	54.0	51.4	49.2	47.0	45.7	44.7	44.2	44.0	43.2
77.5°	45.2	43.3	40.2	38.1	36.7	35.7	34.6	34.0	33.9	33.0	32.7
80°	34.6	33.6	30.9	30.1	28.9	28.1	27.4	26.4	25.3	24.8	24.1
82.5°	25.7	24.7	23.6	22.2	21.3	20.7	20.2	19.7	19.9	19.2	18.9
85°	13.8	12.6	12.2	12.0	11.5	12.0	11.8	11.5	11.3	11.1	11.3
87.5°	6.7	7.2	7.4	8.2	8.1	8.8	9.0	9.1	9.5	9.8	9.9
90°	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.8	27.4	29.0	30.3
92.5°	14.8	14.9	16.9	18.8	20.7	22.7	24.3	25.8	27.4	29.0	30.0
95°	77.1	70.6	58.6	46.7	34.7	22.7	24.3	25.8	27.4	29.0	29.8
97.5°	175.7	164.7	140.9	117.3	93.5	69.8	60.9	52.0	43.2	34.2	29.8
100°	240.7	241.9	243.1	244.4	245.6	246.9	199.9	152.9	105.9	59.0	34.9
102.5°	310.9	312.0	312.7	313.5	314.2	315.0	306.1	297.2	288.3	279.5	264.3
105°	422.2	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.6
107.5°	532.3	532.6	533.3	534.0	534.6	535.2	535.3	535.4	535.4	535.5	535.0
110°	607.3	607.6	608.2	608.9	609.4	610.1	609.2	608.2	607.3	606.3	606.1



TEST NUMBER: P333656-830

CATALOG NUMBER: S125RDIW-S375D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	680.7	681.3	681.6	682.0	682.4	682.8	681.6	680.3	679.2	678.0	677.1
115°	789.5	790.4	790.8	791.1	791.5	791.7	790.4	789.2	788.0	786.6	785.1
117.5°	892.2	892.8	894.0	895.1	896.4	897.6	895.9	894.3	892.7	891.0	889.8
120°	959.3	959.6	960.5	961.5	962.4	963.4	962.8	962.1	961.5	960.9	959.8
122.5°	1025.5	1026.3	1026.8	1027.2	1027.7	1028.1	1027.5	1026.8	1026.2	1025.6	1024.4
125°	1122.7	1123.7	1123.7	1123.7	1123.7	1123.7	1122.5	1121.2	1119.9	1118.7	1117.6
127.5°	1208.9	1209.7	1209.5	1209.3	1209.1	1208.9	1208.2	1207.5	1206.8	1206.1	1204.6
130°	1263.4	1264.3	1264.7	1265.0	1265.3	1265.6	1264.7	1263.8	1262.8	1261.9	1260.6
132.5°	1318.9	1319.5	1318.8	1318.1	1317.4	1316.7	1316.5	1316.4	1316.2	1316.0	1315.0
135°	1396.7	1397.2	1396.7	1396.0	1395.3	1394.8	1394.1	1393.5	1392.9	1392.2	1390.9
137.5°	1466.9	1467.4	1466.8	1466.2	1465.7	1465.1	1465.3	1465.4	1465.5	1465.7	1464.9
140°	1509.4	1509.5	1509.2	1508.9	1508.5	1508.3	1508.9	1509.5	1510.1	1510.8	1510.1
142.5°	1550.3	1550.8	1551.2	1551.6	1552.1	1552.6	1552.7	1552.7	1552.9	1553.0	1552.2
145°	1613.0	1613.3	1613.3	1613.3	1613.3	1613.3	1613.5	1613.9	1614.2	1614.5	1613.7
147.5°	1663.8	1664.0	1664.3	1664.7	1665.1	1665.5	1665.8	1666.2	1666.6	1667.0	1666.0
150°	1695.8	1695.8	1696.5	1697.1	1697.7	1698.4	1699.0	1699.6	1700.3	1700.9	1700.0
152.5°	1725.7	1725.3	1726.0	1726.6	1727.3	1727.9	1728.5	1729.2	1729.8	1730.4	1729.6
155°	1766.0	1765.4	1766.0	1766.6	1767.3	1767.9	1768.9	1769.8	1770.8	1771.7	1770.8
157.5°	1801.7	1801.1	1801.2	1801.3	1801.3	1801.4	1802.4	1803.4	1804.4	1805.4	1804.7
160°	1821.4	1820.5	1820.9	1821.2	1821.5	1821.8	1823.1	1824.3	1825.6	1826.8	1826.3
162.5°	1839.5	1838.7	1839.0	1839.4	1839.7	1839.9	1841.7	1843.5	1845.3	1847.0	1846.5
165°	1863.9	1863.1	1863.4	1863.8	1864.1	1864.3	1866.2	1868.1	1870.1	1872.0	1871.6
167.5°	1881.8	1881.0	1881.3	1881.6	1882.0	1882.3	1884.5	1886.8	1889.0	1891.3	1891.0
170°	1891.0	1890.1	1890.4	1890.7	1891.0	1891.3	1893.9	1896.4	1898.9	1901.4	1901.3
172.5°	1897.8	1897.1	1897.6	1898.2	1898.8	1899.3	1901.6	1903.8	1906.1	1908.4	1908.1
175°	1906.5	1905.7	1906.0	1906.3	1906.7	1907.0	1909.5	1911.9	1914.5	1917.0	1916.8
177.5°	1911.4	1910.7	1911.0	1911.3	1911.5	1911.8	1913.5	1915.3	1917.0	1918.8	1918.7
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333656-830

CATALOG NUMBER: S125RDIW-S375D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	508.2	506.3	505.8	506.5	505.8	506.3	508.2	508.4	508.6	510.0	508.0
5°	468.9	466.7	467.8	467.4	467.8	466.7	468.9	471.1	471.6	473.4	474.8
7.5°	434.3	431.6	428.8	429.6	428.8	431.6	434.3	434.3	437.7	440.3	442.0
10°	410.1	407.9	406.6	407.7	406.6	407.9	410.1	412.9	414.2	417.3	420.6
12.5°	389.7	388.4	387.3	386.8	387.3	388.4	389.7	392.8	395.8	399.4	402.9
15°	361.9	359.4	358.3	355.4	358.3	359.4	361.9	364.6	370.4	372.0	377.4
17.5°	336.4	335.5	332.7	331.5	332.7	335.5	336.4	338.7	341.3	346.9	351.0
20°	321.2	320.4	317.5	319.2	317.5	320.4	321.2	324.5	326.7	331.3	335.2
22.5°	308.7	306.8	305.9	305.4	305.9	306.8	308.7	310.2	313.1	317.4	321.8
25°	291.0	288.1	287.0	285.8	287.0	288.1	291.0	291.8	294.9	299.1	301.4
27.5°	273.2	271.7	270.3	269.9	270.3	271.7	273.2	274.5	277.2	280.8	285.1
30°	261.7	260.2	259.2	259.2	259.2	260.2	261.7	264.4	266.4	269.7	272.9
32.5°	251.5	250.3	249.2	249.0	249.2	250.3	251.5	252.9	255.2	258.8	262.2
35°	236.5	234.8	234.3	233.0	234.3	234.8	236.5	237.6	240.0	242.6	245.4
37.5°	220.9	219.5	219.5	219.3	219.5	219.5	220.9	222.9	224.9	227.2	230.7
40°	211.0	209.9	209.7	208.2	209.7	209.9	211.0	211.9	214.1	217.2	219.7
42.5°	200.4	199.8	199.1	198.4	199.1	199.8	200.4	202.2	204.0	206.1	209.4
45°	186.0	184.5	184.5	183.4	184.5	184.5	186.0	187.5	188.4	191.0	195.4
47.5°	171.1	169.9	170.0	168.9	170.0	169.9	171.1	171.5	173.0	175.5	178.0
50°	161.2	160.5	160.3	159.9	160.3	160.5	161.2	161.0	162.7	165.0	168.3
52.5°	151.3	150.9	151.7	150.8	151.7	150.9	151.3	151.7	153.0	154.5	157.6
55°	137.9	137.2	138.6	137.2	138.6	137.2	137.9	137.4	137.9	139.4	141.4
57.5°	122.5	121.9	123.1	122.4	123.1	121.9	122.5	122.5	123.9	124.1	125.8
60°	112.4	111.0	111.7	112.0	111.7	111.0	112.4	112.8	113.3	113.5	115.2
62.5°	100.4	99.5	100.1	99.1	100.1	99.5	100.4	101.3	102.3	103.4	104.4
65°	83.4	82.8	81.9	81.4	81.9	82.8	83.4	83.9	86.2	87.6	89.9
67.5°	70.1	68.5	68.4	68.8	68.4	68.5	70.1	70.0	71.7	72.8	74.4
70°	60.3	60.3	60.1	60.1	60.1	60.3	60.3	61.6	62.5	63.3	64.5
72.5°	53.5	53.3	53.0	52.8	53.0	53.3	53.5	54.0	54.5	55.3	56.5
75°	43.2	43.4	42.9	42.7	42.9	43.4	43.2	43.2	44.0	44.2	44.7
77.5°	31.9	30.9	31.4	30.9	31.4	30.9	31.9	32.7	33.0	33.9	34.0
80°	24.1	23.9	24.6	23.9	24.6	23.9	24.1	24.1	24.8	25.3	26.4
82.5°	19.1	18.9	19.2	18.8	19.2	18.9	19.1	18.9	19.2	19.9	19.7
85°	11.5	11.3	11.1	11.3	11.1	11.3	11.5	11.3	11.1	11.3	11.5
87.5°	10.3	10.3	10.5	10.7	10.5	10.3	10.3	9.9	9.8	9.5	9.1
90°	31.2	32.1	33.1	34.0	33.1	32.1	31.2	30.3	29.0	27.4	25.8
92.5°	30.4	30.9	31.4	31.8	31.4	30.9	30.4	30.0	29.0	27.4	25.8
95°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.0	27.4	25.8
97.5°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	34.2	43.2	52.0
100°	33.6	32.3	31.1	29.8	31.1	32.3	33.6	34.9	59.0	105.9	152.9
102.5°	242.8	221.4	199.9	178.5	199.9	221.4	242.8	264.3	279.5	288.3	297.2
105°	422.4	422.1	421.7	421.4	421.7	422.1	422.4	422.6	422.8	422.8	422.8
107.5°	534.0	533.1	532.2	531.2	532.2	533.1	534.0	535.0	535.5	535.4	535.4
110°	606.3	606.6	607.0	607.3	607.0	606.6	606.3	606.1	606.3	607.3	608.2



TEST NUMBER: P333656-830

CATALOG NUMBER: S125RDIW-S375D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	676.7	676.3	675.8	675.3	675.8	676.3	676.7	677.1	678.0	679.2	680.3
115°	783.3	781.3	779.4	777.5	779.4	781.3	783.3	785.1	786.6	788.0	789.2
117.5°	889.0	888.2	887.3	886.5	887.3	888.2	889.0	889.8	891.0	892.7	894.3
120°	958.2	956.6	955.1	953.5	955.1	956.6	958.2	959.8	960.9	961.5	962.1
122.5°	1022.6	1020.7	1018.9	1017.0	1018.9	1020.7	1022.6	1024.4	1025.6	1026.2	1026.8
125°	1116.6	1115.7	1114.7	1113.8	1114.7	1115.7	1116.6	1117.6	1118.7	1119.9	1121.2
127.5°	1202.2	1200.0	1197.6	1195.2	1197.6	1200.0	1202.2	1204.6	1206.1	1206.8	1207.5
130°	1259.0	1257.4	1255.8	1254.2	1255.8	1257.4	1259.0	1260.6	1261.9	1262.8	1263.8
132.5°	1313.5	1311.9	1310.3	1308.7	1310.3	1311.9	1313.5	1315.0	1316.0	1316.2	1316.4
135°	1389.0	1387.1	1385.3	1383.4	1385.3	1387.1	1389.0	1390.9	1392.2	1392.9	1393.5
137.5°	1463.2	1461.6	1459.9	1458.3	1459.9	1461.6	1463.2	1464.9	1465.7	1465.5	1465.4
140°	1508.3	1506.4	1504.5	1502.6	1504.5	1506.4	1508.3	1510.1	1510.8	1510.1	1509.5
142.5°	1550.2	1548.3	1546.4	1544.5	1546.4	1548.3	1550.2	1552.2	1553.0	1552.9	1552.7
145°	1611.8	1610.0	1608.1	1606.2	1608.1	1610.0	1611.8	1613.7	1614.5	1614.2	1613.9
147.5°	1663.8	1661.5	1659.3	1657.0	1659.3	1661.5	1663.8	1666.0	1667.0	1666.6	1666.2
150°	1697.4	1694.9	1692.4	1689.9	1692.4	1694.9	1697.4	1700.0	1700.9	1700.3	1699.6
152.5°	1727.3	1725.0	1722.8	1720.5	1722.8	1725.0	1727.3	1729.6	1730.4	1729.8	1729.2
155°	1768.4	1765.9	1763.3	1760.8	1763.3	1765.9	1768.4	1770.8	1771.7	1770.8	1769.8
157.5°	1802.1	1799.6	1797.1	1794.6	1797.1	1799.6	1802.1	1804.7	1805.4	1804.4	1803.4
160°	1823.7	1821.2	1818.6	1816.2	1818.6	1821.2	1823.7	1826.3	1826.8	1825.6	1824.3
162.5°	1843.8	1841.0	1838.2	1835.4	1838.2	1841.0	1843.8	1846.5	1847.0	1845.3	1843.5
165°	1869.2	1866.6	1864.1	1861.5	1864.1	1866.6	1869.2	1871.6	1872.0	1870.1	1868.1
167.5°	1888.2	1885.4	1882.5	1879.7	1882.5	1885.4	1888.2	1891.0	1891.3	1889.0	1886.8
170°	1898.5	1895.6	1892.7	1889.9	1892.7	1895.6	1898.5	1901.3	1901.4	1898.9	1896.4
172.5°	1905.3	1902.4	1899.6	1896.8	1899.6	1902.4	1905.3	1908.1	1908.4	1906.1	1903.8
175°	1914.0	1911.2	1908.4	1905.5	1908.4	1911.2	1914.0	1916.8	1917.0	1914.5	1911.9
177.5°	1916.7	1914.7	1912.6	1910.6	1912.6	1914.7	1916.7	1918.7	1918.8	1917.0	1915.3
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333656-830

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	508.6	510.5	511.5	514.0	517.5	519.2	521.6	523.4	525.8	528.8	531.2
5°	475.6	480.9	484.4	489.8	494.8	499.8	506.1	510.7	516.8	523.8	529.2
7.5°	445.1	451.6	457.4	464.6	472.9	479.3	487.6	496.0	505.5	515.4	524.7
10°	425.6	432.1	439.3	448.2	456.5	465.2	475.0	484.8	496.8	507.8	520.5
12.5°	406.2	413.5	421.5	431.5	441.5	452.6	462.6	473.6	486.5	501.0	514.4
15°	382.2	389.2	397.9	406.4	417.9	430.2	443.4	458.0	472.4	488.5	505.3
17.5°	356.5	364.1	373.7	383.6	395.7	410.0	423.0	439.0	455.2	473.9	493.7
20°	339.8	347.6	358.9	369.8	380.9	394.8	410.3	426.7	443.8	463.6	485.7
22.5°	326.5	332.1	343.3	354.3	367.3	381.6	396.7	413.8	432.5	453.1	476.1
25°	306.9	313.4	321.5	333.0	346.5	361.6	376.7	394.8	415.3	436.2	460.8
27.5°	289.4	294.7	302.7	311.8	325.3	340.8	357.0	375.9	396.9	418.2	444.0
30°	277.0	283.0	290.5	300.1	310.8	327.8	344.3	362.9	384.2	406.1	432.7
32.5°	266.3	272.3	278.9	287.9	299.4	314.5	331.6	349.8	371.5	394.2	420.0
35°	251.1	255.2	261.4	270.3	281.6	293.8	311.2	330.4	351.5	375.0	401.0
37.5°	233.8	239.1	245.2	253.0	262.9	276.1	292.3	311.7	331.3	353.7	377.4
40°	223.7	228.7	235.4	241.1	251.6	263.5	278.3	298.6	318.2	339.3	360.9
42.5°	213.4	218.2	223.9	231.0	240.3	252.0	265.8	284.6	305.7	325.6	343.7
45°	197.3	202.4	207.7	214.3	223.0	234.3	248.1	265.2	283.5	301.9	315.6
47.5°	181.9	186.6	191.8	198.5	206.5	217.4	229.7	245.0	262.7	278.2	288.0
50°	171.0	175.3	181.0	187.5	195.4	205.6	217.4	232.3	247.2	261.4	270.3
52.5°	160.1	165.0	170.7	176.3	183.9	194.1	205.0	217.9	232.1	243.6	250.9
55°	143.9	148.5	153.7	159.7	167.0	175.8	187.3	197.6	208.7	218.5	222.8
57.5°	128.3	132.3	137.2	143.4	150.1	158.2	167.3	177.1	184.9	191.9	196.8
60°	118.0	121.5	126.1	131.3	138.6	145.9	154.2	163.3	169.5	175.3	179.9
62.5°	107.5	110.9	115.3	120.0	126.3	133.2	141.1	148.5	154.5	158.4	163.7
65°	91.9	95.2	98.9	103.9	108.9	114.5	121.8	127.1	131.3	135.7	138.9
67.5°	77.3	80.0	83.5	87.5	91.7	97.2	102.7	107.3	110.1	112.7	116.6
70°	67.8	69.9	72.8	75.8	80.4	85.8	90.2	93.7	95.6	98.2	103.0
72.5°	58.0	60.5	63.2	66.2	69.9	74.5	78.3	81.8	83.0	85.1	88.2
75°	45.7	47.0	49.2	51.4	54.0	58.0	61.6	62.5	63.6	65.3	67.5
77.5°	34.6	35.7	36.7	38.1	40.2	43.3	45.2	46.6	46.8	47.5	49.6
80°	27.4	28.1	28.9	30.1	30.9	33.6	34.6	35.9	36.4	37.0	38.1
82.5°	20.2	20.7	21.3	22.2	23.6	24.7	25.7	27.1	27.1	27.6	27.8
85°	11.8	12.0	11.5	12.0	12.2	12.6	13.8	14.8	14.6	14.4	15.0
87.5°	9.0	8.8	8.1	8.2	7.4	7.2	6.7	6.3	6.1	6.0	5.8
90°	24.3	22.7	20.5	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4
92.5°	24.3	22.7	20.7	18.8	16.9	14.9	14.8	16.6	18.3	20.1	21.9
95°	24.3	22.7	34.7	46.7	58.6	70.6	77.1	78.0	79.0	79.9	80.9
97.5°	60.9	69.8	93.5	117.3	140.9	164.7	175.7	174.0	172.2	170.5	168.8
100°	199.9	246.9	245.6	244.4	243.1	241.9	240.7	239.8	238.8	237.9	237.0
102.5°	306.1	315.0	314.2	313.5	312.7	312.0	310.9	309.8	308.6	307.4	306.2
105°	422.8	422.8	422.8	422.8	422.8	422.8	422.2	420.9	419.7	418.4	417.2
107.5°	535.3	535.2	534.6	534.0	533.3	532.6	532.3	532.3	532.3	532.3	532.3
110°	609.2	610.1	609.4	608.9	608.2	607.6	607.3	607.3	607.3	607.3	607.3



TEST NUMBER: P333656-830

CATALOG NUMBER: S125RDIW-S375D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	681.6	682.8	682.4	682.0	681.6	681.3	680.7	680.0	679.2	678.4	677.7
115°	790.4	791.7	791.5	791.1	790.8	790.4	789.5	788.0	786.4	784.8	783.3
117.5°	895.9	897.6	896.4	895.1	894.0	892.8	892.2	892.3	892.3	892.4	892.5
120°	962.8	963.4	962.4	961.5	960.5	959.6	959.3	959.6	960.0	960.3	960.5
122.5°	1027.5	1028.1	1027.7	1027.2	1026.8	1026.3	1025.5	1024.4	1023.1	1021.9	1020.8
125°	1122.5	1123.7	1123.7	1123.7	1123.7	1123.7	1122.7	1120.4	1118.2	1116.0	1113.8
127.5°	1208.2	1208.9	1209.1	1209.3	1209.5	1209.7	1208.9	1207.4	1205.8	1204.2	1202.6
130°	1264.7	1265.6	1265.3	1265.0	1264.7	1264.3	1263.4	1261.9	1260.3	1258.7	1257.1
132.5°	1316.5	1316.7	1317.4	1318.1	1318.8	1319.5	1318.9	1317.1	1315.2	1313.4	1311.5
135°	1394.1	1394.8	1395.3	1396.0	1396.7	1397.2	1396.7	1394.8	1392.9	1390.9	1389.0
137.5°	1465.3	1465.1	1465.7	1466.2	1466.8	1467.4	1466.9	1465.2	1463.6	1461.9	1460.3
140°	1508.9	1508.3	1508.5	1508.9	1509.2	1509.5	1509.4	1508.7	1508.1	1507.5	1506.8
142.5°	1552.7	1552.6	1552.1	1551.6	1551.2	1550.8	1550.3	1549.9	1549.5	1549.2	1548.8
145°	1613.5	1613.3	1613.3	1613.3	1613.3	1613.3	1613.0	1612.3	1611.7	1611.0	1610.4
147.5°	1665.8	1665.5	1665.1	1664.7	1664.3	1664.0	1663.8	1664.0	1664.1	1664.2	1664.3
150°	1699.0	1698.4	1697.7	1697.1	1696.5	1695.8	1695.8	1695.8	1696.5	1697.1	1697.7
152.5°	1728.5	1727.9	1727.3	1726.6	1726.0	1725.3	1725.7	1727.1	1728.5	1729.9	1731.3
155°	1768.9	1767.9	1767.3	1766.6	1766.0	1765.4	1766.0	1767.9	1769.8	1771.7	1773.6
157.5°	1802.4	1801.4	1801.3	1801.3	1801.2	1801.1	1801.7	1802.8	1803.9	1805.1	1806.2
160°	1823.1	1821.8	1821.5	1821.2	1820.9	1820.5	1821.4	1823.3	1825.1	1827.0	1828.9
162.5°	1841.7	1839.9	1839.7	1839.4	1839.0	1838.7	1839.5	1841.4	1843.3	1845.2	1847.1
165°	1866.2	1864.3	1864.1	1863.8	1863.4	1863.1	1863.9	1865.8	1867.6	1869.6	1871.5
167.5°	1884.5	1882.3	1882.0	1881.6	1881.3	1881.0	1881.8	1883.8	1885.7	1887.7	1889.6
170°	1893.9	1891.3	1891.0	1890.7	1890.4	1890.1	1891.0	1893.2	1895.5	1897.6	1899.9
172.5°	1901.6	1899.3	1898.8	1898.2	1897.6	1897.1	1897.8	1900.1	1902.2	1904.5	1906.7
175°	1909.5	1907.0	1906.7	1906.3	1906.0	1905.7	1906.5	1908.4	1910.3	1912.1	1914.0
177.5°	1913.5	1911.8	1911.5	1911.3	1911.0	1910.7	1911.4	1912.9	1914.4	1915.9	1917.4
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333656-830

CATALOG NUMBER: S125RDIW-S375D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	533.1	534.7	537.0	539.6	541.7	543.9	545.2	545.2	546.2	548.5	551.5
5°	534.7	540.4	545.7	552.7	558.2	564.5	569.3	573.9	578.0	583.2	588.7
7.5°	534.2	543.7	553.5	564.4	576.6	586.2	596.1	603.8	611.4	621.5	629.3
10°	532.5	544.7	558.0	571.9	587.2	600.4	612.5	623.3	633.8	644.7	654.5
12.5°	529.3	544.9	561.1	577.9	597.1	612.3	627.7	639.3	651.6	663.5	675.5
15°	524.6	542.9	562.5	585.9	609.4	626.3	641.6	656.7	668.0	681.5	693.1
17.5°	514.9	538.5	563.2	588.6	611.2	630.9	647.0	661.3	673.4	688.2	703.9
20°	509.2	534.7	560.3	587.6	609.2	629.4	644.9	659.7	674.7	694.1	713.2
22.5°	501.1	528.4	555.6	581.5	604.3	623.9	639.8	657.9	677.7	699.6	722.8
25°	488.5	516.6	543.6	568.2	590.4	610.5	632.3	656.7	680.6	709.5	742.9
27.5°	472.4	499.5	523.6	549.6	571.7	597.2	624.3	650.8	685.3	725.2	766.8
30°	460.4	486.1	509.0	533.6	558.6	586.7	617.2	648.4	689.6	736.3	785.8
32.5°	446.5	469.8	492.4	516.1	545.1	575.9	608.3	646.4	695.6	748.9	800.0
35°	422.3	443.2	465.2	491.5	522.3	555.8	597.2	643.6	703.0	760.3	806.3
37.5°	396.9	413.5	435.5	463.4	496.8	535.6	582.6	638.9	699.9	751.4	770.9
40°	377.4	392.9	416.2	445.4	478.5	520.9	573.6	631.6	693.1	728.7	727.2
42.5°	358.1	373.7	396.2	425.6	460.1	507.6	561.8	622.0	673.8	687.4	659.1
45°	328.4	343.0	365.0	394.6	431.7	481.5	538.6	596.3	629.4	607.4	551.2
47.5°	298.2	312.4	332.8	361.7	402.2	454.4	508.4	555.7	560.3	513.1	445.7
50°	278.3	291.6	311.0	342.0	381.2	432.1	484.2	521.4	509.8	452.1	382.7
52.5°	259.0	271.7	289.9	319.1	359.2	409.1	455.5	484.8	458.1	396.7	334.2
55°	230.5	242.6	260.9	287.7	324.0	369.8	410.6	421.2	382.0	320.2	269.7
57.5°	203.3	212.3	230.3	254.0	289.1	329.4	358.5	356.7	313.4	257.7	221.4
60°	185.3	193.4	210.6	232.3	265.7	301.9	322.3	313.6	269.8	223.9	189.1
62.5°	168.6	176.2	190.6	210.6	239.2	270.7	285.6	273.5	232.2	191.8	164.1
65°	143.3	148.7	160.3	178.8	201.2	223.0	236.3	218.7	182.1	151.6	130.6
67.5°	119.6	124.3	134.6	147.9	163.3	178.4	183.8	167.3	138.8	118.3	103.5
70°	104.3	108.7	115.6	128.1	138.3	148.9	151.6	136.8	113.0	97.4	88.2
72.5°	89.7	93.7	99.8	108.6	115.6	121.8	123.0	109.2	91.0	80.3	73.2
75°	68.4	71.9	75.8	79.1	83.6	84.7	84.3	73.6	63.8	56.6	52.7
77.5°	50.2	51.7	54.1	55.4	55.6	55.5	53.3	46.6	41.5	38.5	36.9
80°	38.7	39.9	40.5	40.9	41.2	39.0	36.6	32.4	30.7	28.9	27.1
82.5°	28.2	28.8	29.5	29.6	28.5	26.6	24.4	22.3	21.1	20.3	19.5
85°	15.3	15.5	15.3	14.1	12.6	12.0	11.5	11.1	10.9	10.7	10.7
87.5°	6.2	6.1	5.8	6.5	7.0	7.3	7.6	7.9	8.2	8.5	8.9
90°	4.0	6.5	9.0	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.8
92.5°	20.1	18.3	16.6	14.8	14.9	16.9	18.8	20.7	22.7	24.3	25.8
95°	79.9	79.0	78.0	77.1	70.6	58.6	46.7	34.7	22.7	24.3	25.8
97.5°	170.5	172.2	174.0	175.7	164.7	140.9	117.3	93.5	69.8	60.9	52.0
100°	237.9	238.8	239.8	240.7	241.9	243.1	244.4	245.6	246.9	199.9	152.9
102.5°	307.4	308.6	309.8	310.9	312.0	312.7	313.5	314.2	315.0	306.1	297.2
105°	418.4	419.7	420.9	422.2	422.8	422.8	422.8	422.8	422.8	422.8	422.8
107.5°	532.3	532.3	532.3	532.3	532.6	533.3	534.0	534.6	535.2	535.3	535.4
110°	607.3	607.3	607.3	607.3	607.6	608.2	608.9	609.4	610.1	609.2	608.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	678.4	679.2	680.0	680.7	681.3	681.6	682.0	682.4	682.8	681.6	680.3
115°	784.8	786.4	788.0	789.5	790.4	790.8	791.1	791.5	791.7	790.4	789.2
117.5°	892.4	892.3	892.3	892.2	892.8	894.0	895.1	896.4	897.6	895.9	894.3
120°	960.3	960.0	959.6	959.3	959.6	960.5	961.5	962.4	963.4	962.8	962.1
122.5°	1021.9	1023.1	1024.4	1025.5	1026.3	1026.8	1027.2	1027.7	1028.1	1027.5	1026.8
125°	1116.0	1118.2	1120.4	1122.7	1123.7	1123.7	1123.7	1123.7	1123.7	1122.5	1121.2
127.5°	1204.2	1205.8	1207.4	1208.9	1209.7	1209.5	1209.3	1209.1	1208.9	1208.2	1207.5
130°	1258.7	1260.3	1261.9	1263.4	1264.3	1264.7	1265.0	1265.3	1265.6	1264.7	1263.8
132.5°	1313.4	1315.2	1317.1	1318.9	1319.5	1318.8	1318.1	1317.4	1316.7	1316.5	1316.4
135°	1390.9	1392.9	1394.8	1396.7	1397.2	1396.7	1396.0	1395.3	1394.8	1394.1	1393.5
137.5°	1461.9	1463.6	1465.2	1466.9	1467.4	1466.8	1466.2	1465.7	1465.1	1465.3	1465.4
140°	1507.5	1508.1	1508.7	1509.4	1509.5	1509.2	1508.9	1508.5	1508.3	1508.9	1509.5
142.5°	1549.2	1549.5	1549.9	1550.3	1550.8	1551.2	1551.6	1552.1	1552.6	1552.7	1552.7
145°	1611.0	1611.7	1612.3	1613.0	1613.3	1613.3	1613.3	1613.3	1613.3	1613.5	1613.9
147.5°	1664.2	1664.1	1664.0	1663.8	1664.0	1664.3	1664.7	1665.1	1665.5	1665.8	1666.2
150°	1697.7	1697.1	1696.5	1695.8	1695.8	1696.5	1697.1	1697.7	1698.4	1699.0	1699.6
152.5°	1729.9	1728.5	1727.1	1725.7	1725.3	1726.0	1726.6	1727.3	1727.9	1728.5	1729.2
155°	1771.7	1769.8	1767.9	1766.0	1765.4	1766.0	1766.6	1767.3	1767.9	1768.9	1769.8
157.5°	1805.1	1803.9	1802.8	1801.7	1801.1	1801.2	1801.3	1801.3	1801.4	1802.4	1803.4
160°	1827.0	1825.1	1823.3	1821.4	1820.5	1820.9	1821.2	1821.5	1821.8	1823.1	1824.3
162.5°	1845.2	1843.3	1841.4	1839.5	1838.7	1839.0	1839.4	1839.7	1839.9	1841.7	1843.5
165°	1869.6	1867.6	1865.8	1863.9	1863.1	1863.4	1863.8	1864.1	1864.3	1866.2	1868.1
167.5°	1887.7	1885.7	1883.8	1881.8	1881.0	1881.3	1881.6	1882.0	1882.3	1884.5	1886.8
170°	1897.6	1895.5	1893.2	1891.0	1890.1	1890.4	1890.7	1891.0	1891.3	1893.9	1896.4
172.5°	1904.5	1902.2	1900.1	1897.8	1897.1	1897.6	1898.2	1898.8	1899.3	1901.6	1903.8
175°	1912.1	1910.3	1908.4	1906.5	1905.7	1906.0	1906.3	1906.7	1907.0	1909.5	1911.9
177.5°	1915.9	1914.4	1912.9	1911.4	1910.7	1911.0	1911.3	1911.5	1911.8	1913.5	1915.3
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	553.7	553.7	556.7	556.5	558.5	557.7	558.1
5°	595.2	598.9	602.2	604.4	607.7	608.5	608.0
7.5°	638.3	646.5	650.4	656.0	657.0	659.9	659.6
10°	664.9	673.0	679.1	683.8	686.3	689.3	689.6
12.5°	685.8	692.7	698.0	702.5	705.4	706.3	706.9
15°	702.2	709.7	716.0	722.4	726.1	729.0	730.5
17.5°	718.6	730.4	741.5	750.1	755.3	759.6	759.6
20°	731.3	744.8	758.7	768.5	778.6	783.0	783.6
22.5°	744.9	765.5	783.5	798.7	811.9	816.4	818.1
25°	773.2	800.1	827.8	849.1	864.4	873.4	874.7
27.5°	807.3	843.8	872.9	892.6	905.2	911.9	913.3
30°	831.3	865.1	891.2	906.0	911.9	912.8	909.5
32.5°	842.1	867.3	877.8	876.9	865.3	857.7	854.8
35°	828.9	823.7	798.2	767.7	744.4	729.6	725.7
37.5°	754.3	709.3	662.4	616.3	591.8	579.3	557.9
40°	680.8	616.5	567.8	529.0	501.3	479.1	473.9
42.5°	597.9	531.5	482.8	449.6	427.4	412.3	405.6
45°	480.4	423.4	383.0	357.6	340.6	329.5	324.5
47.5°	384.3	340.1	310.8	291.9	278.9	269.3	266.6
50°	331.5	296.1	271.4	255.4	245.6	238.3	235.3
52.5°	287.9	259.4	240.3	227.2	218.0	213.4	210.8
55°	237.6	213.0	199.3	188.8	183.6	179.9	178.1
57.5°	194.4	176.5	166.5	159.3	154.5	152.1	151.3
60°	170.1	156.2	147.0	141.4	138.1	135.1	134.1
62.5°	148.6	137.7	130.6	125.6	122.4	121.1	120.6
65°	119.8	112.6	107.4	104.3	101.7	101.2	101.0
67.5°	95.2	91.0	88.2	85.1	84.2	82.7	82.3
70°	81.4	78.6	75.3	74.3	73.1	71.6	71.9
72.5°	69.1	66.3	64.0	62.6	62.2	61.5	62.1
75°	50.5	49.7	48.8	47.7	47.2	47.2	47.0
77.5°	36.1	35.3	34.4	33.7	33.6	32.7	33.0
80°	26.1	25.1	24.6	24.8	24.1	23.9	23.9
82.5°	19.3	18.9	18.5	18.6	18.4	18.2	18.4
85°	10.7	10.5	10.5	10.3	10.3	10.0	10.0
87.5°	9.3	9.8	9.7	9.7	9.9	10.3	10.7
90°	27.4	29.0	30.3	31.2	32.1	33.1	34.0
92.5°	27.4	29.0	30.0	30.4	30.9	31.4	31.8
95°	27.4	29.0	29.8	29.8	29.8	29.8	29.8
97.5°	43.2	34.2	29.8	29.8	29.8	29.8	29.8
100°	105.9	59.0	34.9	33.6	32.3	31.1	29.8
102.5°	288.3	279.5	264.3	242.8	221.4	199.9	178.5
105°	422.8	422.8	422.6	422.4	422.1	421.7	421.4
107.5°	535.4	535.5	535.0	534.0	533.1	532.2	531.2
110°	607.3	606.3	606.1	606.3	606.6	607.0	607.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	679.2	678.0	677.1	676.7	676.3	675.8	675.3
115°	788.0	786.6	785.1	783.3	781.3	779.4	777.5
117.5°	892.7	891.0	889.8	889.0	888.2	887.3	886.5
120°	961.5	960.9	959.8	958.2	956.6	955.1	953.5
122.5°	1026.2	1025.6	1024.4	1022.6	1020.7	1018.9	1017.0
125°	1119.9	1118.7	1117.6	1116.6	1115.7	1114.7	1113.8
127.5°	1206.8	1206.1	1204.6	1202.2	1200.0	1197.6	1195.2
130°	1262.8	1261.9	1260.6	1259.0	1257.4	1255.8	1254.2
132.5°	1316.2	1316.0	1315.0	1313.5	1311.9	1310.3	1308.7
135°	1392.9	1392.2	1390.9	1389.0	1387.1	1385.3	1383.4
137.5°	1465.5	1465.7	1464.9	1463.2	1461.6	1459.9	1458.3
140°	1510.1	1510.8	1510.1	1508.3	1506.4	1504.5	1502.6
142.5°	1552.9	1553.0	1552.2	1550.2	1548.3	1546.4	1544.5
145°	1614.2	1614.5	1613.7	1611.8	1610.0	1608.1	1606.2
147.5°	1666.6	1667.0	1666.0	1663.8	1661.5	1659.3	1657.0
150°	1700.3	1700.9	1700.0	1697.4	1694.9	1692.4	1689.9
152.5°	1729.8	1730.4	1729.6	1727.3	1725.0	1722.8	1720.5
155°	1770.8	1771.7	1770.8	1768.4	1765.9	1763.3	1760.8
157.5°	1804.4	1805.4	1804.7	1802.1	1799.6	1797.1	1794.6
160°	1825.6	1826.8	1826.3	1823.7	1821.2	1818.6	1816.2
162.5°	1845.3	1847.0	1846.5	1843.8	1841.0	1838.2	1835.4
165°	1870.1	1872.0	1871.6	1869.2	1866.6	1864.1	1861.5
167.5°	1889.0	1891.3	1891.0	1888.2	1885.4	1882.5	1879.7
170°	1898.9	1901.4	1901.3	1898.5	1895.6	1892.7	1889.9
172.5°	1906.1	1908.4	1908.1	1905.3	1902.4	1899.6	1896.8
175°	1914.5	1917.0	1916.8	1914.0	1911.2	1908.4	1905.5
177.5°	1917.0	1918.8	1918.7	1916.7	1914.7	1912.6	1910.6
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0

(END OF REPORT)