

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: P331718-935

Luminaire Tested: **SA2XXRDIP-C865D725U935-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331718-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

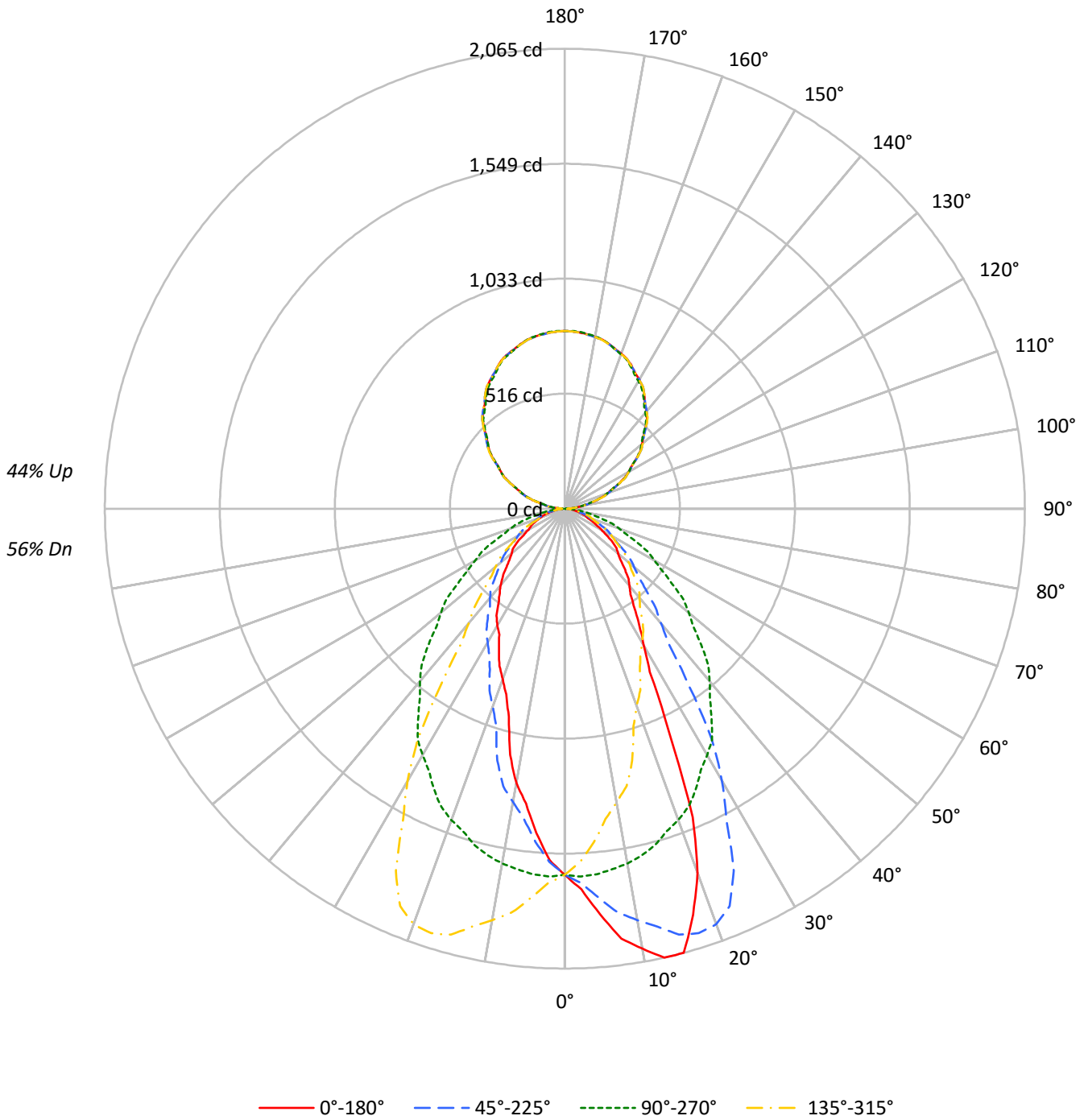
Lumens per Lamp: N/A
Luminaire Lumens: 5074.6 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 54.4
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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56				56
1	100	96	92	89	93	89	86	84	77	75	73	66	65	63	56	55	54	49				49
2	92	85	79	74	85	79	74	70	69	65	62	59	56	54	50	48	47	42				42
3	84	75	69	63	78	71	65	60	62	57	53	53	50	47	45	43	41	37				37
4	78	68	60	54	72	63	57	52	55	50	46	48	44	41	41	38	36	33				33
5	72	61	53	47	67	57	50	45	50	45	41	44	40	36	38	35	32	29				29
6	67	55	47	42	62	52	45	40	46	40	36	40	36	32	35	31	29	26				26
7	62	50	42	37	58	47	40	35	42	36	32	37	32	29	32	29	26	24				24
8	58	46	38	33	54	43	37	32	38	33	29	34	30	26	30	26	24	22				22
9	54	42	35	30	50	40	33	29	36	30	26	31	27	24	28	24	22	20				20
10	51	39	32	27	47	37	30	26	33	28	24	29	25	22	26	22	20	18				18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	26547	26547	26547	26547
5°	29648	26712	23686	26712
10°	32893	26525	20530	26525
15°	34511	26136	16177	26136
20°	29919	25560	13998	25560
25°	19621	24772	12497	24772
30°	13207	23815	11311	23815
35°	10697	22610	10200	22610
40°	9512	21300	9440	21300
45°	8608	19763	8426	19763
50°	7834	18239	7804	18239
55°	7367	16549	7268	16549
60°	6161	14996	6090	14996
65°	5196	13620	5891	13620
70°	4801	12161	5556	12161
75°	4492	10586	5128	10586
80°	4147	8712	4575	8712
85°	3816	6873	4020	6873



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	3.1
10°-20°	434.3	8.6
20°-30°	559.6	11.0
30°-40°	531.8	10.5
40°-50°	455.6	9.0
50°-60°	346.9	6.8
60°-70°	219.3	4.3
70°-80°	109.5	2.2
80°-90°	31.7	0.6
90°-100°	50.5	1.0
100°-110°	157.0	3.1
110°-120°	268.3	5.3
120°-130°	352.8	7.0
130°-140°	396.0	7.8
140°-150°	388.3	7.7
150°-160°	325.7	6.4
160°-170°	216.0	4.3
170°-180°	75.5	1.5
0°-30°	1149.8	22.7
0°-40°	1681.6	33.1
0°-60°	2484.1	49.0
0°-90°	2844.6	56.1
90°-120°	475.8	9.4
90°-150°	1612.8	31.8
90°-180°	2230.0	43.9
0°-180°	5074.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1644	1644	1644	1644	1644	
5°	1829	1648	1461	1648	1829	181
15°	2065	1564	968	1564	2065	557
25°	1101	1390	702	1390	1101	523
35°	543	1147	518	1147	543	347
45°	377	866	369	866	377	292
55°	262	588	258	588	262	230
65°	136	356	154	356	136	138
75°	72	170	82	170	72	76
85°	21	37	22	37	21	23
90°	23	1	23	1	23	11
95°	42	35	42	35	42	47
105°	149	145	149	145	149	157
115°	269	269	269	269	269	266
125°	393	392	393	392	393	350
135°	513	507	513	507	513	395
145°	622	615	622	615	622	388
155°	709	703	709	703	709	326
165°	766	765	766	765	766	216
175°	794	796	794	796	794	75
180°	798	798	798	798	798	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1710.9	1712.3	1713.6	1710.4	1710.4	1707.7	1701.8	1697.2	1684.4	1682.6	1682.6
5°	1829.3	1828.1	1830.4	1823.0	1812.7	1810.4	1799.6	1785.3	1770.4	1753.9	1750.4
7.5°	1946.9	1945.2	1940.6	1939.4	1931.5	1914.3	1896.8	1878.2	1853.5	1829.4	1817.2
10°	2006.3	2025.2	2013.8	1993.7	1997.8	1970.9	1956.6	1932.1	1911.5	1875.5	1867.5
12.5°	2064.9	2072.3	2068.6	2057.3	2052.2	2033.5	2014.2	1992.9	1954.9	1922.6	1894.5
15°	2064.6	2075.4	2078.3	2074.9	2077.8	2076.6	2066.3	2048.6	2015.5	1980.0	1949.2
17.5°	1912.2	1919.8	1938.5	1951.1	1967.1	2001.0	2017.7	2024.1	2019.2	1999.0	1977.3
20°	1741.3	1728.7	1781.2	1808.1	1830.9	1888.1	1937.2	1956.1	1986.3	1985.8	1980.0
22.5°	1499.0	1502.0	1551.9	1583.7	1650.5	1707.5	1763.6	1834.5	1893.1	1931.8	1954.5
25°	1101.4	1123.2	1172.9	1216.2	1290.6	1396.8	1493.3	1605.3	1711.0	1794.4	1873.8
27.5°	827.2	828.8	868.2	908.4	952.4	1039.5	1161.1	1294.8	1445.4	1569.8	1712.8
30°	708.4	705.0	721.5	746.1	783.8	851.2	942.6	1074.0	1224.3	1411.6	1578.5
32.5°	624.3	624.5	637.0	655.1	686.5	731.9	794.5	901.3	1043.3	1227.4	1423.1
35°	542.7	542.2	551.3	564.4	577.6	606.7	649.5	705.5	803.2	975.2	1175.1
37.5°	484.2	486.7	491.2	499.4	513.9	530.1	555.9	593.5	663.1	764.7	932.8
40°	451.3	452.5	458.7	465.6	474.2	486.7	507.9	538.1	589.0	670.1	792.9
42.5°	421.1	422.3	426.7	433.2	439.9	452.5	469.9	496.1	537.4	600.6	702.0
45°	377.0	377.0	381.1	383.9	391.3	402.8	417.1	438.8	467.3	514.2	581.6
47.5°	335.7	335.8	338.5	343.4	348.0	357.0	371.0	388.7	409.5	445.7	503.3
50°	311.9	312.5	314.2	318.2	321.1	329.1	339.9	355.3	377.0	405.0	453.1
52.5°	292.7	292.4	294.5	296.3	298.3	303.9	312.0	325.6	345.1	369.4	409.1
55°	261.7	259.3	262.8	265.6	267.3	269.7	274.2	282.8	299.4	319.9	349.7
57.5°	222.8	221.9	224.3	226.9	232.3	238.4	242.4	247.8	256.4	271.1	300.6
60°	190.8	190.8	196.0	197.7	204.0	212.0	220.0	224.5	233.1	242.8	264.5
62.5°	162.5	162.9	165.3	167.0	170.6	180.4	191.6	201.6	209.7	219.0	233.4
65°	136.0	137.1	137.1	138.3	140.5	142.8	147.4	155.4	169.7	182.8	193.6
67.5°	115.4	115.7	116.1	117.3	117.8	120.3	122.2	125.7	129.0	141.5	154.9
70°	101.7	103.4	102.8	104.0	104.5	105.6	108.0	109.7	114.9	117.7	125.7
72.5°	88.9	90.1	90.1	90.7	92.2	92.5	94.3	96.0	99.3	101.7	106.0
75°	72.0	71.4	72.0	73.1	73.7	74.3	74.3	76.5	78.3	80.6	83.4
77.5°	55.5	56.1	56.0	56.1	56.2	57.3	57.2	58.1	59.8	61.0	62.4
80°	44.6	45.1	44.6	45.1	45.7	46.2	45.7	46.2	48.0	49.2	49.2
82.5°	34.5	34.6	35.0	35.0	35.2	35.3	36.1	36.2	37.5	37.3	37.7
85°	20.6	20.0	20.0	20.0	20.6	21.1	20.6	20.6	21.1	21.1	21.1
87.5°	11.9	12.3	12.3	12.2	12.2	12.2	12.3	12.8	12.4	12.9	11.8
90°	22.9	22.7	22.6	22.5	22.3	22.4	22.6	23.0	23.2	23.6	20.2
92.5°	21.8	21.8	21.8	21.7	21.7	21.6	21.6	21.5	21.4	21.4	20.7
95°	41.8	42.0	42.4	42.6	43.0	43.0	43.0	43.0	43.0	43.0	42.8
97.5°	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	71.8
100°	92.2	92.4	92.5	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.4
102.5°	114.8	114.9	115.1	115.3	115.4	115.5	115.3	115.2	115.0	114.9	114.3
105°	149.4	149.4	149.4	149.4	149.4	149.3	149.0	148.7	148.4	148.1	147.7
107.5°	182.0	182.7	183.4	184.1	184.8	185.0	184.9	184.8	184.7	184.5	184.5
110°	207.2	207.8	208.2	208.6	209.1	209.3	209.3	209.3	209.3	209.3	209.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	231.5	231.9	232.1	232.5	232.8	233.2	233.5	233.8	234.3	234.6	234.7
115°	269.2	269.7	270.1	270.5	271.0	271.3	271.5	271.6	271.7	271.9	272.2
117.5°	305.1	305.6	306.0	306.5	306.9	307.3	307.7	308.1	308.4	308.8	309.6
120°	330.5	330.9	331.3	331.7	332.3	332.4	332.4	332.4	332.4	332.4	333.6
122.5°	355.2	355.5	355.9	356.2	356.5	356.9	357.2	357.6	357.9	358.3	359.1
125°	393.0	393.2	393.3	393.5	393.6	393.9	394.3	394.9	395.3	395.7	396.1
127.5°	427.5	428.0	428.4	429.0	429.4	429.9	430.4	431.0	431.5	432.0	432.6
130°	452.3	452.9	453.5	454.0	454.6	455.1	455.4	455.7	456.0	456.3	456.6
132.5°	476.0	476.4	476.9	477.3	477.9	478.5	479.1	479.7	480.4	481.0	481.0
135°	512.8	513.2	513.8	514.2	514.6	514.9	515.1	515.2	515.4	515.5	515.2
137.5°	546.2	546.8	547.4	548.0	548.6	549.0	549.1	549.2	549.3	549.4	549.1
140°	569.4	570.0	570.6	571.2	571.7	572.0	572.0	572.0	572.0	572.0	571.3
142.5°	590.4	591.0	591.5	592.1	592.7	593.0	592.9	592.7	592.6	592.5	592.0
145°	621.8	622.4	623.0	623.6	624.2	624.5	624.3	624.1	624.1	623.9	622.9
147.5°	650.0	650.6	651.1	651.7	652.3	652.4	652.0	651.7	651.3	651.1	650.5
150°	668.3	668.7	669.2	669.6	670.1	670.1	669.6	669.2	668.7	668.3	667.7
152.5°	685.5	686.0	686.6	687.3	687.8	687.8	687.3	686.6	686.0	685.5	684.8
155°	708.7	709.1	709.6	710.0	710.5	710.3	709.6	708.8	708.1	707.3	706.9
157.5°	728.6	729.3	730.0	730.7	731.4	731.3	730.3	729.3	728.2	727.2	726.9
160°	741.0	741.6	742.2	742.8	743.4	743.2	742.4	741.4	740.5	739.6	739.5
162.5°	751.7	752.4	753.2	753.9	754.6	754.5	753.5	752.4	751.4	750.4	750.3
165°	765.9	766.6	767.3	768.1	768.9	768.7	767.7	766.6	765.6	764.5	764.5
167.5°	777.5	778.3	779.0	779.8	780.6	780.4	779.4	778.3	777.3	776.2	776.3
170°	783.3	784.3	785.1	786.1	787.0	786.9	785.8	784.8	783.8	782.6	782.8
172.5°	788.2	789.1	790.0	790.9	791.8	791.7	790.7	789.6	788.6	787.6	787.7
175°	793.5	794.4	795.2	796.2	797.0	796.9	795.9	794.9	793.8	792.8	793.1
177.5°	795.9	796.6	797.3	798.1	798.7	798.7	798.1	797.3	796.6	795.9	796.1
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1683.4	1679.8	1676.6	1668.4	1664.2	1655.1	1653.7	1653.3	1641.4	1630.0	1626.8
5°	1741.3	1732.2	1718.4	1702.5	1685.8	1668.7	1657.3	1648.1	1625.3	1603.6	1591.0
7.5°	1799.6	1779.9	1756.3	1726.0	1700.7	1672.4	1651.3	1632.5	1600.1	1569.0	1548.1
10°	1843.0	1810.9	1779.5	1737.8	1705.3	1673.3	1643.6	1617.9	1581.3	1540.2	1511.1
12.5°	1869.9	1834.7	1791.4	1750.7	1708.5	1667.8	1628.1	1595.0	1552.0	1509.6	1474.9
15°	1906.3	1868.6	1816.1	1757.8	1703.6	1650.5	1604.7	1563.6	1507.6	1456.7	1414.5
17.5°	1936.2	1884.3	1827.9	1760.5	1697.6	1630.1	1571.2	1518.7	1456.4	1395.1	1345.2
20°	1945.8	1894.4	1829.3	1761.9	1687.6	1608.2	1544.7	1487.6	1420.7	1353.9	1296.8
22.5°	1939.8	1899.9	1827.4	1746.7	1670.7	1587.6	1516.0	1449.7	1375.5	1307.3	1241.0
25°	1899.5	1885.8	1817.2	1729.2	1642.4	1545.9	1463.0	1390.5	1306.0	1232.9	1160.8
27.5°	1805.5	1835.0	1792.6	1698.8	1602.3	1498.8	1405.7	1323.1	1235.4	1153.1	1081.3
30°	1715.0	1783.0	1764.7	1677.8	1569.9	1468.2	1363.7	1277.4	1183.7	1099.2	1028.3
32.5°	1591.1	1703.4	1721.3	1648.6	1537.0	1425.2	1315.7	1229.9	1132.0	1042.9	973.9
35°	1394.0	1561.9	1639.0	1592.8	1480.7	1360.2	1247.1	1147.1	1048.9	960.9	892.3
37.5°	1158.6	1387.4	1516.0	1519.2	1416.4	1291.1	1167.9	1068.7	968.1	881.8	807.5
40°	1006.0	1254.0	1421.3	1458.4	1371.7	1236.2	1111.7	1010.6	912.3	827.8	742.7
42.5°	868.9	1115.9	1321.7	1386.3	1317.2	1182.8	1057.8	952.1	856.6	776.6	689.7
45°	702.7	918.6	1145.4	1260.8	1222.5	1098.0	966.0	865.5	775.8	706.7	623.3
47.5°	592.8	744.9	964.4	1120.5	1119.8	1006.2	876.3	780.1	696.8	632.1	564.6
50°	530.1	662.7	848.3	1025.5	1040.3	944.9	821.5	726.1	648.4	580.4	526.2
52.5°	473.9	583.2	750.1	919.9	962.2	879.5	759.8	671.8	596.3	533.8	487.3
55°	400.5	485.0	611.8	770.7	834.7	776.4	670.1	587.9	526.8	474.2	434.2
57.5°	338.8	402.2	503.9	631.8	706.4	669.7	582.0	515.2	462.9	415.3	383.7
60°	299.9	351.9	438.2	545.0	627.2	601.6	526.8	464.4	419.9	378.8	349.0
62.5°	263.4	308.1	381.9	468.6	544.1	533.5	472.3	420.1	381.1	343.5	318.4
65°	212.0	244.5	302.2	370.2	430.8	435.9	391.9	356.5	321.7	292.0	269.7
67.5°	168.8	190.0	230.7	287.9	333.3	349.5	322.6	295.6	267.9	245.0	225.7
70°	142.2	159.4	189.1	235.4	277.1	294.2	278.8	257.6	233.7	214.8	198.2
72.5°	115.3	132.0	153.9	187.9	223.6	242.1	236.8	221.5	202.1	186.5	170.8
75°	86.9	92.0	106.9	129.7	157.6	173.7	177.7	169.7	154.2	142.2	133.1
77.5°	64.2	67.3	74.4	86.4	104.7	118.9	124.8	123.8	113.2	106.2	97.7
80°	51.4	53.1	56.6	61.7	75.4	89.7	93.7	93.7	86.3	83.4	74.8
82.5°	39.1	40.3	42.4	45.2	51.7	64.1	68.5	69.5	64.7	61.0	54.2
85°	22.3	21.7	22.8	24.5	25.7	29.1	36.0	37.1	36.0	31.4	29.7
87.5°	11.2	10.9	10.3	9.3	9.5	9.6	11.5	13.3	11.9	10.9	10.3
90°	17.0	13.7	10.4	7.8	6.0	4.3	2.5	0.7	2.5	4.3	6.0
92.5°	19.8	19.0	18.3	17.2	15.9	14.6	13.3	12.0	13.3	14.6	15.9
95°	42.4	42.2	41.8	41.0	39.5	38.0	36.5	35.0	36.5	38.0	39.5
97.5°	71.3	70.7	70.2	69.2	67.8	66.6	65.3	64.0	65.3	66.6	67.8
100°	92.0	91.5	91.1	90.2	89.0	87.8	86.7	85.5	86.7	87.8	89.0
102.5°	113.8	113.2	112.7	111.9	111.0	110.0	109.0	108.1	109.0	110.0	111.0
105°	147.5	147.1	146.9	146.5	146.0	145.6	145.2	144.7	145.2	145.6	146.0
107.5°	184.5	184.5	184.5	184.2	183.6	182.9	182.3	181.6	182.3	182.9	183.6
110°	209.3	209.3	209.3	208.9	207.9	207.1	206.1	205.3	206.1	207.1	207.9



TEST NUMBER: P331718-935

CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	234.9	235.0	235.1	234.7	233.8	232.9	232.0	231.1	232.0	232.9	233.8
115°	272.5	272.8	273.1	272.8	271.9	271.0	270.1	269.2	270.1	271.0	271.9
117.5°	310.5	311.3	312.1	311.9	310.7	309.5	308.3	307.1	308.3	309.5	310.7
120°	334.8	336.0	337.3	337.3	336.0	334.8	333.6	332.4	333.6	334.8	336.0
122.5°	360.0	360.8	361.6	361.4	359.9	358.5	357.1	355.6	357.1	358.5	359.9
125°	396.6	397.1	397.5	397.1	395.7	394.3	393.0	391.7	393.0	394.3	395.7
127.5°	433.2	433.7	434.2	433.6	432.0	430.2	428.5	426.8	428.5	430.2	432.0
130°	456.8	457.2	457.4	456.7	454.7	452.8	450.8	448.9	450.8	452.8	454.7
132.5°	481.0	480.9	480.8	480.0	478.4	476.8	475.3	473.6	475.3	476.8	478.4
135°	514.9	514.6	514.3	513.3	511.7	510.1	508.4	506.8	508.4	510.1	511.7
137.5°	548.6	548.3	547.9	547.0	545.7	544.3	542.9	541.7	542.9	544.3	545.7
140°	570.6	569.8	569.0	568.0	566.6	565.3	564.0	562.7	564.0	565.3	566.6
142.5°	591.5	591.0	590.5	589.5	588.2	586.9	585.5	584.2	585.5	586.9	588.2
145°	622.1	621.2	620.3	619.3	618.3	617.3	616.1	615.1	616.1	617.3	618.3
147.5°	649.9	649.3	648.7	647.7	646.4	645.2	643.9	642.7	643.9	645.2	646.4
150°	667.1	666.5	665.9	665.1	664.3	663.3	662.5	661.6	662.5	663.3	664.3
152.5°	684.1	683.4	682.6	681.8	681.0	680.0	679.2	678.2	679.2	680.0	681.0
155°	706.5	705.9	705.5	705.1	704.6	704.2	703.7	703.3	703.7	704.2	704.6
157.5°	726.7	726.4	726.2	725.9	725.6	725.3	725.0	724.7	725.0	725.3	725.6
160°	739.3	739.2	739.0	738.8	738.5	738.2	737.9	737.6	737.9	738.2	738.5
162.5°	750.1	749.9	749.8	749.7	749.6	749.6	749.5	749.4	749.5	749.6	749.6
165°	764.5	764.5	764.5	764.6	764.7	764.9	765.1	765.2	765.1	764.9	764.7
167.5°	776.3	776.4	776.4	776.6	777.1	777.5	777.9	778.3	777.9	777.5	777.1
170°	783.0	783.2	783.3	783.6	784.0	784.5	785.0	785.4	785.0	784.5	784.0
172.5°	787.8	788.0	788.2	788.4	788.8	789.4	789.8	790.2	789.8	789.4	788.8
175°	793.4	793.7	794.0	794.4	794.8	795.2	795.7	796.2	795.7	795.2	794.8
177.5°	796.3	796.6	796.9	797.1	797.5	797.9	798.2	798.6	798.2	797.9	797.5
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5



TEST NUMBER: P331718-935

CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1620.8	1617.6	1611.7	1602.6	1597.1	1587.5	1581.1	1584.8	1585.6	1584.8	1583.8
5°	1577.3	1565.3	1548.8	1532.8	1517.9	1501.9	1492.7	1488.8	1480.7	1476.2	1473.9
7.5°	1524.7	1504.0	1480.5	1452.7	1429.0	1404.2	1391.5	1385.3	1368.9	1359.9	1352.2
10°	1485.3	1452.8	1429.3	1392.8	1370.5	1337.9	1315.7	1316.2	1293.9	1281.3	1272.2
12.5°	1441.9	1406.2	1367.2	1334.3	1303.3	1277.1	1250.3	1239.4	1215.8	1203.7	1179.0
15°	1369.9	1328.3	1287.1	1242.5	1211.1	1170.5	1131.7	1084.3	1046.0	1012.9	1003.8
17.5°	1291.3	1239.7	1198.4	1146.1	1092.3	1024.1	979.0	951.5	928.4	910.9	897.9
20°	1237.4	1184.8	1140.8	1062.0	989.5	943.2	910.1	888.9	865.0	846.1	835.8
22.5°	1180.7	1125.8	1065.9	977.9	921.4	884.2	854.7	830.4	814.2	799.4	790.1
25°	1100.3	1040.3	941.5	880.9	835.2	796.3	775.8	761.0	743.8	723.8	714.6
27.5°	1015.3	919.9	848.9	803.9	760.3	735.0	716.5	694.3	679.0	670.0	660.5
30°	951.7	856.4	800.9	751.8	720.9	692.9	671.2	658.7	643.9	628.4	622.2
32.5°	880.9	804.7	751.6	710.7	679.3	655.5	638.3	618.0	607.3	597.8	584.6
35°	792.9	735.2	686.6	653.6	623.9	604.4	584.4	572.4	553.0	545.0	539.8
37.5°	718.4	668.4	632.1	597.2	573.7	552.2	539.9	520.9	512.5	501.4	490.5
40°	676.4	627.2	592.5	563.9	537.6	521.6	506.2	490.8	478.2	473.0	459.9
42.5°	633.4	593.5	558.6	527.3	509.7	492.8	473.3	461.9	448.9	440.6	432.5
45°	574.1	538.7	509.0	483.3	463.9	446.2	433.6	414.7	407.3	390.7	383.9
47.5°	522.0	489.1	460.8	436.4	417.4	405.9	387.4	372.7	360.8	350.7	341.8
50°	485.0	457.6	430.2	408.5	391.3	374.8	355.9	348.4	330.2	325.0	319.9
52.5°	451.2	425.2	400.0	378.8	361.6	345.5	328.9	319.3	306.9	301.8	298.0
55°	403.9	378.8	354.7	335.9	318.7	302.2	292.0	279.9	274.2	270.2	265.6
57.5°	356.4	333.7	315.4	296.3	279.1	265.9	254.0	246.8	240.8	235.6	230.1
60°	326.2	304.4	287.9	270.2	252.5	241.7	232.5	223.9	217.1	209.1	206.8
62.5°	294.2	275.3	260.0	242.8	227.4	217.4	208.7	200.6	192.4	180.7	177.5
65°	250.2	235.4	219.4	205.1	191.4	181.7	169.1	160.0	156.5	155.4	154.8
67.5°	210.4	196.4	182.7	168.1	155.6	146.6	140.2	138.8	136.4	135.7	134.1
70°	183.9	170.8	157.1	143.4	131.4	129.7	127.4	125.1	122.3	121.1	119.9
72.5°	160.1	146.6	132.9	121.9	116.8	114.6	112.3	110.0	108.1	106.9	106.2
75°	122.9	110.3	101.1	97.1	94.3	92.6	89.1	87.4	86.3	84.6	83.9
77.5°	88.4	81.4	77.1	74.6	71.6	69.8	67.8	66.1	64.9	64.6	63.6
80°	67.4	64.0	61.1	57.7	56.6	54.2	53.7	52.0	52.5	50.9	50.9
82.5°	52.3	48.0	45.5	44.0	42.9	41.0	40.5	39.6	39.8	38.5	38.5
85°	26.9	25.7	24.5	23.4	23.4	21.7	22.3	21.7	21.7	20.6	20.0
87.5°	10.2	10.3	10.1	10.7	11.4	11.5	11.5	11.0	10.9	10.8	10.4
90°	7.8	10.4	13.7	17.0	20.2	23.6	23.2	23.0	22.6	22.4	22.3
92.5°	17.2	18.3	19.0	19.8	20.7	21.4	21.4	21.5	21.6	21.6	21.7
95°	41.0	41.8	42.2	42.4	42.8	43.0	43.0	43.0	43.0	43.0	43.0
97.5°	69.2	70.2	70.7	71.3	71.8	72.4	72.4	72.4	72.4	72.4	72.4
100°	90.2	91.1	91.5	92.0	92.4	92.9	92.9	92.9	92.9	92.9	92.8
102.5°	111.9	112.7	113.2	113.8	114.3	114.9	115.0	115.2	115.3	115.5	115.4
105°	146.5	146.9	147.1	147.5	147.7	148.1	148.4	148.7	149.0	149.3	149.4
107.5°	184.2	184.5	184.5	184.5	184.5	184.5	184.7	184.8	184.9	185.0	184.8
110°	208.9	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.1



TEST NUMBER: P331718-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	234.7	235.1	235.0	234.9	234.7	234.6	234.3	233.8	233.5	233.2	232.8
115°	272.8	273.1	272.8	272.5	272.2	271.9	271.7	271.6	271.5	271.3	271.0
117.5°	311.9	312.1	311.3	310.5	309.6	308.8	308.4	308.1	307.7	307.3	306.9
120°	337.3	337.3	336.0	334.8	333.6	332.4	332.4	332.4	332.4	332.4	332.3
122.5°	361.4	361.6	360.8	360.0	359.1	358.3	357.9	357.6	357.2	356.9	356.5
125°	397.1	397.5	397.1	396.6	396.1	395.7	395.3	394.9	394.3	393.9	393.6
127.5°	433.6	434.2	433.7	433.2	432.6	432.0	431.5	431.0	430.4	429.9	429.4
130°	456.7	457.4	457.2	456.8	456.6	456.3	456.0	455.7	455.4	455.1	454.6
132.5°	480.0	480.8	480.9	481.0	481.0	481.0	480.4	479.7	479.1	478.5	477.9
135°	513.3	514.3	514.6	514.9	515.2	515.5	515.4	515.2	515.1	514.9	514.6
137.5°	547.0	547.9	548.3	548.6	549.1	549.4	549.3	549.2	549.1	549.0	548.6
140°	568.0	569.0	569.8	570.6	571.3	572.0	572.0	572.0	572.0	572.0	571.7
142.5°	589.5	590.5	591.0	591.5	592.0	592.5	592.6	592.7	592.9	593.0	592.7
145°	619.3	620.3	621.2	622.1	622.9	623.9	624.1	624.1	624.3	624.5	624.2
147.5°	647.7	648.7	649.3	649.9	650.5	651.1	651.3	651.7	652.0	652.4	652.3
150°	665.1	665.9	666.5	667.1	667.7	668.3	668.7	669.2	669.6	670.1	670.1
152.5°	681.8	682.6	683.4	684.1	684.8	685.5	686.0	686.6	687.3	687.8	687.8
155°	705.1	705.5	705.9	706.5	706.9	707.3	708.1	708.8	709.6	710.3	710.5
157.5°	725.9	726.2	726.4	726.7	726.9	727.2	728.2	729.3	730.3	731.3	731.4
160°	738.8	739.0	739.2	739.3	739.5	739.6	740.5	741.4	742.4	743.2	743.4
162.5°	749.7	749.8	749.9	750.1	750.3	750.4	751.4	752.4	753.5	754.5	754.6
165°	764.6	764.5	764.5	764.5	764.5	764.5	765.6	766.6	767.7	768.7	768.9
167.5°	776.6	776.4	776.4	776.3	776.3	776.2	777.3	778.3	779.4	780.4	780.6
170°	783.6	783.3	783.2	783.0	782.8	782.6	783.8	784.8	785.8	786.9	787.0
172.5°	788.4	788.2	788.0	787.8	787.7	787.6	788.6	789.6	790.7	791.7	791.8
175°	794.4	794.0	793.7	793.4	793.1	792.8	793.8	794.9	795.9	796.9	797.0
177.5°	797.1	796.9	796.6	796.3	796.1	795.9	796.6	797.3	798.1	798.7	798.7
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5



TEST NUMBER: P331718-935

CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1578.8	1579.7	1578.3	1579.2	1578.3	1579.7	1578.8	1583.8	1584.8	1585.6	1584.8
5°	1471.0	1464.2	1463.0	1461.4	1463.0	1464.2	1471.0	1473.9	1476.2	1480.7	1488.8
7.5°	1342.4	1341.4	1338.5	1334.6	1338.5	1341.4	1342.4	1352.2	1359.9	1368.9	1385.3
10°	1259.6	1256.8	1256.3	1252.2	1256.3	1256.8	1259.6	1272.2	1281.3	1293.9	1316.2
12.5°	1162.8	1144.4	1142.5	1132.5	1142.5	1144.4	1162.8	1179.0	1203.7	1215.8	1239.4
15°	990.1	986.6	975.2	967.8	975.2	986.6	990.1	1003.8	1012.9	1046.0	1084.3
17.5°	891.3	880.1	876.6	874.9	876.6	880.1	891.3	897.9	910.9	928.4	951.5
20°	827.8	817.5	815.8	814.7	815.8	817.5	827.8	835.8	846.1	865.0	888.9
22.5°	783.9	773.2	768.7	765.3	768.7	773.2	783.9	790.1	799.4	814.2	830.4
25°	708.9	705.0	702.7	701.5	702.7	705.0	708.9	714.6	723.8	743.8	761.0
27.5°	650.3	641.5	639.8	636.9	639.8	641.5	650.3	660.5	670.0	679.0	694.3
30°	617.0	614.2	610.1	606.7	610.1	614.2	617.0	622.2	628.4	643.9	658.7
32.5°	577.6	575.3	571.7	570.2	571.7	575.3	577.6	584.6	597.8	607.3	618.0
35°	534.2	526.2	522.7	517.5	522.7	526.2	534.2	539.8	545.0	553.0	572.4
37.5°	488.1	483.9	479.1	480.8	479.1	483.9	488.1	490.5	501.4	512.5	520.9
40°	452.5	449.6	448.5	447.9	448.5	449.6	452.5	459.9	473.0	478.2	490.8
42.5°	424.1	416.2	413.3	413.1	413.3	416.2	424.1	432.5	440.6	448.9	461.9
45°	381.1	373.6	368.5	369.0	368.5	373.6	381.1	383.9	390.7	407.3	414.7
47.5°	336.9	336.7	333.6	334.6	333.6	336.7	336.9	341.8	350.7	360.8	372.7
50°	315.9	312.5	310.2	310.7	310.2	312.5	315.9	319.9	325.0	330.2	348.4
52.5°	295.8	292.8	291.0	293.4	291.0	292.8	295.8	298.0	301.8	306.9	319.3
55°	262.8	259.3	258.8	258.2	258.8	259.3	262.8	265.6	270.2	274.2	279.9
57.5°	225.9	223.6	220.2	218.7	220.2	223.6	225.9	230.1	235.6	240.8	246.8
60°	199.4	194.8	189.1	188.6	189.1	194.8	199.4	206.8	209.1	217.1	223.9
62.5°	175.1	174.3	173.1	173.0	173.1	174.3	175.1	177.5	180.7	192.4	200.6
65°	153.7	153.1	153.7	154.2	153.7	153.1	153.7	154.8	155.4	156.5	160.0
67.5°	133.9	132.9	131.8	132.3	131.8	132.9	133.9	134.1	135.7	136.4	138.8
70°	118.8	118.2	117.7	117.7	117.7	118.2	118.8	119.9	121.1	122.3	125.1
72.5°	104.2	104.1	103.5	103.1	103.5	104.1	104.2	106.2	106.9	108.1	110.0
75°	83.4	82.2	82.2	82.2	82.2	82.2	83.4	83.9	84.6	86.3	87.4
77.5°	63.5	62.9	62.4	61.9	62.4	62.9	63.5	63.6	64.6	64.9	66.1
80°	50.3	49.7	49.2	49.2	49.2	49.7	50.3	50.9	50.9	52.5	52.0
82.5°	38.4	37.8	37.7	37.3	37.7	37.8	38.4	38.5	38.5	39.8	39.6
85°	20.6	21.1	20.6	21.7	20.6	21.1	20.6	20.0	20.6	21.7	21.7
87.5°	10.4	10.0	10.5	10.1	10.5	10.0	10.4	10.4	10.8	10.9	11.0
90°	22.5	22.6	22.7	22.9	22.7	22.6	22.5	22.3	22.4	22.6	23.0
92.5°	21.7	21.8	21.8	21.8	21.8	21.8	21.7	21.7	21.6	21.6	21.5
95°	42.6	42.4	42.0	41.8	42.0	42.4	42.6	43.0	43.0	43.0	43.0
97.5°	72.4	72.3	72.3	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4
100°	92.6	92.5	92.4	92.2	92.4	92.5	92.6	92.8	92.9	92.9	92.9
102.5°	115.3	115.1	114.9	114.8	114.9	115.1	115.3	115.4	115.5	115.3	115.2
105°	149.4	149.4	149.4	149.4	149.4	149.4	149.4	149.4	149.3	149.0	148.7
107.5°	184.1	183.4	182.7	182.0	182.7	183.4	184.1	184.8	185.0	184.9	184.8
110°	208.6	208.2	207.8	207.2	207.8	208.2	208.6	209.1	209.3	209.3	209.3



TEST NUMBER: P331718-935

CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	232.5	232.1	231.9	231.5	231.9	232.1	232.5	232.8	233.2	233.5	233.8
115°	270.5	270.1	269.7	269.2	269.7	270.1	270.5	271.0	271.3	271.5	271.6
117.5°	306.5	306.0	305.6	305.1	305.6	306.0	306.5	306.9	307.3	307.7	308.1
120°	331.7	331.3	330.9	330.5	330.9	331.3	331.7	332.3	332.4	332.4	332.4
122.5°	356.2	355.9	355.5	355.2	355.5	355.9	356.2	356.5	356.9	357.2	357.6
125°	393.5	393.3	393.2	393.0	393.2	393.3	393.5	393.6	393.9	394.3	394.9
127.5°	429.0	428.4	428.0	427.5	428.0	428.4	429.0	429.4	429.9	430.4	431.0
130°	454.0	453.5	452.9	452.3	452.9	453.5	454.0	454.6	455.1	455.4	455.7
132.5°	477.3	476.9	476.4	476.0	476.4	476.9	477.3	477.9	478.5	479.1	479.7
135°	514.2	513.8	513.2	512.8	513.2	513.8	514.2	514.6	514.9	515.1	515.2
137.5°	548.0	547.4	546.8	546.2	546.8	547.4	548.0	548.6	549.0	549.1	549.2
140°	571.2	570.6	570.0	569.4	570.0	570.6	571.2	571.7	572.0	572.0	572.0
142.5°	592.1	591.5	591.0	590.4	591.0	591.5	592.1	592.7	593.0	592.9	592.7
145°	623.6	623.0	622.4	621.8	622.4	623.0	623.6	624.2	624.5	624.3	624.1
147.5°	651.7	651.1	650.6	650.0	650.6	651.1	651.7	652.3	652.4	652.0	651.7
150°	669.6	669.2	668.7	668.3	668.7	669.2	669.6	670.1	670.1	669.6	669.2
152.5°	687.3	686.6	686.0	685.5	686.0	686.6	687.3	687.8	687.8	687.3	686.6
155°	710.0	709.6	709.1	708.7	709.1	709.6	710.0	710.5	710.3	709.6	708.8
157.5°	730.7	730.0	729.3	728.6	729.3	730.0	730.7	731.4	731.3	730.3	729.3
160°	742.8	742.2	741.6	741.0	741.6	742.2	742.8	743.4	743.2	742.4	741.4
162.5°	753.9	753.2	752.4	751.7	752.4	753.2	753.9	754.6	754.5	753.5	752.4
165°	768.1	767.3	766.6	765.9	766.6	767.3	768.1	768.9	768.7	767.7	766.6
167.5°	779.8	779.0	778.3	777.5	778.3	779.0	779.8	780.6	780.4	779.4	778.3
170°	786.1	785.1	784.3	783.3	784.3	785.1	786.1	787.0	786.9	785.8	784.8
172.5°	790.9	790.0	789.1	788.2	789.1	790.0	790.9	791.8	791.7	790.7	789.6
175°	796.2	795.2	794.4	793.5	794.4	795.2	796.2	797.0	796.9	795.9	794.9
177.5°	798.1	797.3	796.6	795.9	796.6	797.3	798.1	798.7	798.7	798.1	797.3
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5



TEST NUMBER: P331718-935

CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1581.1	1587.5	1597.1	1602.6	1611.7	1617.6	1620.8	1626.8	1630.0	1641.4	1653.3
5°	1492.7	1501.9	1517.9	1532.8	1548.8	1565.3	1577.3	1591.0	1603.6	1625.3	1648.1
7.5°	1391.5	1404.2	1429.0	1452.7	1480.5	1504.0	1524.7	1548.1	1569.0	1600.1	1632.5
10°	1315.7	1337.9	1370.5	1392.8	1429.3	1452.8	1485.3	1511.1	1540.2	1581.3	1617.9
12.5°	1250.3	1277.1	1303.3	1334.3	1367.2	1406.2	1441.9	1474.9	1509.6	1552.0	1595.0
15°	1131.7	1170.5	1211.1	1242.5	1287.1	1328.3	1369.9	1414.5	1456.7	1507.6	1563.6
17.5°	979.0	1024.1	1092.3	1146.1	1198.4	1239.7	1291.3	1345.2	1395.1	1456.4	1518.7
20°	910.1	943.2	989.5	1062.0	1140.8	1184.8	1237.4	1296.8	1353.9	1420.7	1487.6
22.5°	854.7	884.2	921.4	977.9	1065.9	1125.8	1180.7	1241.0	1307.3	1375.5	1449.7
25°	775.8	796.3	835.2	880.9	941.5	1040.3	1100.3	1160.8	1232.9	1306.0	1390.5
27.5°	716.5	735.0	760.3	803.9	848.9	919.9	1015.3	1081.3	1153.1	1235.4	1323.1
30°	671.2	692.9	720.9	751.8	800.9	856.4	951.7	1028.3	1099.2	1183.7	1277.4
32.5°	638.3	655.5	679.3	710.7	751.6	804.7	880.9	973.9	1042.9	1132.0	1229.9
35°	584.4	604.4	623.9	653.6	686.6	735.2	792.9	892.3	960.9	1048.9	1147.1
37.5°	539.9	552.2	573.7	597.2	632.1	668.4	718.4	807.5	881.8	968.1	1068.7
40°	506.2	521.6	537.6	563.9	592.5	627.2	676.4	742.7	827.8	912.3	1010.6
42.5°	473.3	492.8	509.7	527.3	558.6	593.5	633.4	689.7	776.6	856.6	952.1
45°	433.6	446.2	463.9	483.3	509.0	538.7	574.1	623.3	706.7	775.8	865.5
47.5°	387.4	405.9	417.4	436.4	460.8	489.1	522.0	564.6	632.1	696.8	780.1
50°	355.9	374.8	391.3	408.5	430.2	457.6	485.0	526.2	580.4	648.4	726.1
52.5°	328.9	345.5	361.6	378.8	400.0	425.2	451.2	487.3	533.8	596.3	671.8
55°	292.0	302.2	318.7	335.9	354.7	378.8	403.9	434.2	474.2	526.8	587.9
57.5°	254.0	265.9	279.1	296.3	315.4	333.7	356.4	383.7	415.3	462.9	515.2
60°	232.5	241.7	252.5	270.2	287.9	304.4	326.2	349.0	378.8	419.9	464.4
62.5°	208.7	217.4	227.4	242.8	260.0	275.3	294.2	318.4	343.5	381.1	420.1
65°	169.1	181.7	191.4	205.1	219.4	235.4	250.2	269.7	292.0	321.7	356.5
67.5°	140.2	146.6	155.6	168.1	182.7	196.4	210.4	225.7	245.0	267.9	295.6
70°	127.4	129.7	131.4	143.4	157.1	170.8	183.9	198.2	214.8	233.7	257.6
72.5°	112.3	114.6	116.8	121.9	132.9	146.6	160.1	170.8	186.5	202.1	221.5
75°	89.1	92.6	94.3	97.1	101.1	110.3	122.9	133.1	142.2	154.2	169.7
77.5°	67.8	69.8	71.6	74.6	77.1	81.4	88.4	97.7	106.2	113.2	123.8
80°	53.7	54.2	56.6	57.7	61.1	64.0	67.4	74.8	83.4	86.3	93.7
82.5°	40.5	41.0	42.9	44.0	45.5	48.0	52.3	54.2	61.0	64.7	69.5
85°	22.3	21.7	23.4	23.4	24.5	25.7	26.9	29.7	31.4	36.0	37.1
87.5°	11.5	11.5	11.4	10.7	10.1	10.3	10.2	10.3	10.9	11.9	13.3
90°	23.2	23.6	20.2	17.0	13.7	10.4	7.8	6.0	4.3	2.5	0.7
92.5°	21.4	21.4	20.7	19.8	19.0	18.3	17.2	15.9	14.6	13.3	12.0
95°	43.0	43.0	42.8	42.4	42.2	41.8	41.0	39.5	38.0	36.5	35.0
97.5°	72.4	72.4	71.8	71.3	70.7	70.2	69.2	67.8	66.6	65.3	64.0
100°	92.9	92.9	92.4	92.0	91.5	91.1	90.2	89.0	87.8	86.7	85.5
102.5°	115.0	114.9	114.3	113.8	113.2	112.7	111.9	111.0	110.0	109.0	108.1
105°	148.4	148.1	147.7	147.5	147.1	146.9	146.5	146.0	145.6	145.2	144.7
107.5°	184.7	184.5	184.5	184.5	184.5	184.5	184.2	183.6	182.9	182.3	181.6
110°	209.3	209.3	209.3	209.3	209.3	209.3	208.9	207.9	207.1	206.1	205.3



TEST NUMBER: P331718-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	234.3	234.6	234.7	234.9	235.0	235.1	234.7	233.8	232.9	232.0	231.1
115°	271.7	271.9	272.2	272.5	272.8	273.1	272.8	271.9	271.0	270.1	269.2
117.5°	308.4	308.8	309.6	310.5	311.3	312.1	311.9	310.7	309.5	308.3	307.1
120°	332.4	332.4	333.6	334.8	336.0	337.3	337.3	336.0	334.8	333.6	332.4
122.5°	357.9	358.3	359.1	360.0	360.8	361.6	361.4	359.9	358.5	357.1	355.6
125°	395.3	395.7	396.1	396.6	397.1	397.5	397.1	395.7	394.3	393.0	391.7
127.5°	431.5	432.0	432.6	433.2	433.7	434.2	433.6	432.0	430.2	428.5	426.8
130°	456.0	456.3	456.6	456.8	457.2	457.4	456.7	454.7	452.8	450.8	448.9
132.5°	480.4	481.0	481.0	481.0	480.9	480.8	480.0	478.4	476.8	475.3	473.6
135°	515.4	515.5	515.2	514.9	514.6	514.3	513.3	511.7	510.1	508.4	506.8
137.5°	549.3	549.4	549.1	548.6	548.3	547.9	547.0	545.7	544.3	542.9	541.7
140°	572.0	572.0	571.3	570.6	569.8	569.0	568.0	566.6	565.3	564.0	562.7
142.5°	592.6	592.5	592.0	591.5	591.0	590.5	589.5	588.2	586.9	585.5	584.2
145°	624.1	623.9	622.9	622.1	621.2	620.3	619.3	618.3	617.3	616.1	615.1
147.5°	651.3	651.1	650.5	649.9	649.3	648.7	647.7	646.4	645.2	643.9	642.7
150°	668.7	668.3	667.7	667.1	666.5	665.9	665.1	664.3	663.3	662.5	661.6
152.5°	686.0	685.5	684.8	684.1	683.4	682.6	681.8	681.0	680.0	679.2	678.2
155°	708.1	707.3	706.9	706.5	705.9	705.5	705.1	704.6	704.2	703.7	703.3
157.5°	728.2	727.2	726.9	726.7	726.4	726.2	725.9	725.6	725.3	725.0	724.7
160°	740.5	739.6	739.5	739.3	739.2	739.0	738.8	738.5	738.2	737.9	737.6
162.5°	751.4	750.4	750.3	750.1	749.9	749.8	749.7	749.6	749.6	749.5	749.4
165°	765.6	764.5	764.5	764.5	764.5	764.5	764.6	764.7	764.9	765.1	765.2
167.5°	777.3	776.2	776.3	776.3	776.4	776.4	776.6	777.1	777.5	777.9	778.3
170°	783.8	782.6	782.8	783.0	783.2	783.3	783.6	784.0	784.5	785.0	785.4
172.5°	788.6	787.6	787.7	787.8	788.0	788.2	788.4	788.8	789.4	789.8	790.2
175°	793.8	792.8	793.1	793.4	793.7	794.0	794.4	794.8	795.2	795.7	796.2
177.5°	796.6	795.9	796.1	796.3	796.6	796.9	797.1	797.5	797.9	798.2	798.6
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5



TEST NUMBER: P331718-935
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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1653.7	1655.1	1664.2	1668.4	1676.6	1679.8	1683.4	1682.6	1682.6	1684.4	1697.2
5°	1657.3	1668.7	1685.8	1702.5	1718.4	1732.2	1741.3	1750.4	1753.9	1770.4	1785.3
7.5°	1651.3	1672.4	1700.7	1726.0	1756.3	1779.9	1799.6	1817.2	1829.4	1853.5	1878.2
10°	1643.6	1673.3	1705.3	1737.8	1779.5	1810.9	1843.0	1867.5	1875.5	1911.5	1932.1
12.5°	1628.1	1667.8	1708.5	1750.7	1791.4	1834.7	1869.9	1894.5	1922.6	1954.9	1992.9
15°	1604.7	1650.5	1703.6	1757.8	1816.1	1868.6	1906.3	1949.2	1980.0	2015.5	2048.6
17.5°	1571.2	1630.1	1697.6	1760.5	1827.9	1884.3	1936.2	1977.3	1999.0	2019.2	2024.1
20°	1544.7	1608.2	1687.6	1761.9	1829.3	1894.4	1945.8	1980.0	1985.8	1986.3	1956.1
22.5°	1516.0	1587.6	1670.7	1746.7	1827.4	1899.9	1939.8	1954.5	1931.8	1893.1	1834.5
25°	1463.0	1545.9	1642.4	1729.2	1817.2	1885.8	1899.5	1873.8	1794.4	1711.0	1605.3
27.5°	1405.7	1498.8	1602.3	1698.8	1792.6	1835.0	1805.5	1712.8	1569.8	1445.4	1294.8
30°	1363.7	1468.2	1569.9	1677.8	1764.7	1783.0	1715.0	1578.5	1411.6	1224.3	1074.0
32.5°	1315.7	1425.2	1537.0	1648.6	1721.3	1703.4	1591.1	1423.1	1227.4	1043.3	901.3
35°	1247.1	1360.2	1480.7	1592.8	1639.0	1561.9	1394.0	1175.1	975.2	803.2	705.5
37.5°	1167.9	1291.1	1416.4	1519.2	1516.0	1387.4	1158.6	932.8	764.7	663.1	593.5
40°	1111.7	1236.2	1371.7	1458.4	1421.3	1254.0	1006.0	792.9	670.1	589.0	538.1
42.5°	1057.8	1182.8	1317.2	1386.3	1321.7	1115.9	868.9	702.0	600.6	537.4	496.1
45°	966.0	1098.0	1222.5	1260.8	1145.4	918.6	702.7	581.6	514.2	467.3	438.8
47.5°	876.3	1006.2	1119.8	1120.5	964.4	744.9	592.8	503.3	445.7	409.5	388.7
50°	821.5	944.9	1040.3	1025.5	848.3	662.7	530.1	453.1	405.0	377.0	355.3
52.5°	759.8	879.5	962.2	919.9	750.1	583.2	473.9	409.1	369.4	345.1	325.6
55°	670.1	776.4	834.7	770.7	611.8	485.0	400.5	349.7	319.9	299.4	282.8
57.5°	582.0	669.7	706.4	631.8	503.9	402.2	338.8	300.6	271.1	256.4	247.8
60°	526.8	601.6	627.2	545.0	438.2	351.9	299.9	264.5	242.8	233.1	224.5
62.5°	472.3	533.5	544.1	468.6	381.9	308.1	263.4	233.4	219.0	209.7	201.6
65°	391.9	435.9	430.8	370.2	302.2	244.5	212.0	193.6	182.8	169.7	155.4
67.5°	322.6	349.5	333.3	287.9	230.7	190.0	168.8	154.9	141.5	129.0	125.7
70°	278.8	294.2	277.1	235.4	189.1	159.4	142.2	125.7	117.7	114.9	109.7
72.5°	236.8	242.1	223.6	187.9	153.9	132.0	115.3	106.0	101.7	99.3	96.0
75°	177.7	173.7	157.6	129.7	106.9	92.0	86.9	83.4	80.6	78.3	76.5
77.5°	124.8	118.9	104.7	86.4	74.4	67.3	64.2	62.4	61.0	59.8	58.1
80°	93.7	89.7	75.4	61.7	56.6	53.1	51.4	49.2	49.2	48.0	46.2
82.5°	68.5	64.1	51.7	45.2	42.4	40.3	39.1	37.7	37.3	37.5	36.2
85°	36.0	29.1	25.7	24.5	22.8	21.7	22.3	21.1	21.1	21.1	20.6
87.5°	11.5	9.6	9.5	9.3	10.3	10.9	11.2	11.8	12.9	12.4	12.8
90°	2.5	4.3	6.0	7.8	10.4	13.7	17.0	20.2	23.6	23.2	23.0
92.5°	13.3	14.6	15.9	17.2	18.3	19.0	19.8	20.7	21.4	21.4	21.5
95°	36.5	38.0	39.5	41.0	41.8	42.2	42.4	42.8	43.0	43.0	43.0
97.5°	65.3	66.6	67.8	69.2	70.2	70.7	71.3	71.8	72.4	72.4	72.4
100°	86.7	87.8	89.0	90.2	91.1	91.5	92.0	92.4	92.9	92.9	92.9
102.5°	109.0	110.0	111.0	111.9	112.7	113.2	113.8	114.3	114.9	115.0	115.2
105°	145.2	145.6	146.0	146.5	146.9	147.1	147.5	147.7	148.1	148.4	148.7
107.5°	182.3	182.9	183.6	184.2	184.5	184.5	184.5	184.5	184.5	184.7	184.8
110°	206.1	207.1	207.9	208.9	209.3	209.3	209.3	209.3	209.3	209.3	209.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	232.0	232.9	233.8	234.7	235.1	235.0	234.9	234.7	234.6	234.3	233.8
115°	270.1	271.0	271.9	272.8	273.1	272.8	272.5	272.2	271.9	271.7	271.6
117.5°	308.3	309.5	310.7	311.9	312.1	311.3	310.5	309.6	308.8	308.4	308.1
120°	333.6	334.8	336.0	337.3	337.3	336.0	334.8	333.6	332.4	332.4	332.4
122.5°	357.1	358.5	359.9	361.4	361.6	360.8	360.0	359.1	358.3	357.9	357.6
125°	393.0	394.3	395.7	397.1	397.5	397.1	396.6	396.1	395.7	395.3	394.9
127.5°	428.5	430.2	432.0	433.6	434.2	433.7	433.2	432.6	432.0	431.5	431.0
130°	450.8	452.8	454.7	456.7	457.4	457.2	456.8	456.6	456.3	456.0	455.7
132.5°	475.3	476.8	478.4	480.0	480.8	480.9	481.0	481.0	481.0	480.4	479.7
135°	508.4	510.1	511.7	513.3	514.3	514.6	514.9	515.2	515.5	515.4	515.2
137.5°	542.9	544.3	545.7	547.0	547.9	548.3	548.6	549.1	549.4	549.3	549.2
140°	564.0	565.3	566.6	568.0	569.0	569.8	570.6	571.3	572.0	572.0	572.0
142.5°	585.5	586.9	588.2	589.5	590.5	591.0	591.5	592.0	592.5	592.6	592.7
145°	616.1	617.3	618.3	619.3	620.3	621.2	622.1	622.9	623.9	624.1	624.1
147.5°	643.9	645.2	646.4	647.7	648.7	649.3	649.9	650.5	651.1	651.3	651.7
150°	662.5	663.3	664.3	665.1	665.9	666.5	667.1	667.7	668.3	668.7	669.2
152.5°	679.2	680.0	681.0	681.8	682.6	683.4	684.1	684.8	685.5	686.0	686.6
155°	703.7	704.2	704.6	705.1	705.5	705.9	706.5	706.9	707.3	708.1	708.8
157.5°	725.0	725.3	725.6	725.9	726.2	726.4	726.7	726.9	727.2	728.2	729.3
160°	737.9	738.2	738.5	738.8	739.0	739.2	739.3	739.5	739.6	740.5	741.4
162.5°	749.5	749.6	749.6	749.7	749.8	749.9	750.1	750.3	750.4	751.4	752.4
165°	765.1	764.9	764.7	764.6	764.5	764.5	764.5	764.5	764.5	765.6	766.6
167.5°	777.9	777.5	777.1	776.6	776.4	776.4	776.3	776.3	776.2	777.3	778.3
170°	785.0	784.5	784.0	783.6	783.3	783.2	783.0	782.8	782.6	783.8	784.8
172.5°	789.8	789.4	788.8	788.4	788.2	788.0	787.8	787.7	787.6	788.6	789.6
175°	795.7	795.2	794.8	794.4	794.0	793.7	793.4	793.1	792.8	793.8	794.9
177.5°	798.2	797.9	797.5	797.1	796.9	796.6	796.3	796.1	795.9	796.6	797.3
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1701.8	1707.7	1710.4	1710.4	1713.6	1712.3	1710.9
5°	1799.6	1810.4	1812.7	1823.0	1830.4	1828.1	1829.3
7.5°	1896.8	1914.3	1931.5	1939.4	1940.6	1945.2	1946.9
10°	1956.6	1970.9	1997.8	1993.7	2013.8	2025.2	2006.3
12.5°	2014.2	2033.5	2052.2	2057.3	2068.6	2072.3	2064.9
15°	2066.3	2076.6	2077.8	2074.9	2078.3	2075.4	2064.6
17.5°	2017.7	2001.0	1967.1	1951.1	1938.5	1919.8	1912.2
20°	1937.2	1888.1	1830.9	1808.1	1781.2	1728.7	1741.3
22.5°	1763.6	1707.5	1650.5	1583.7	1551.9	1502.0	1499.0
25°	1493.3	1396.8	1290.6	1216.2	1172.9	1123.2	1101.4
27.5°	1161.1	1039.5	952.4	908.4	868.2	828.8	827.2
30°	942.6	851.2	783.8	746.1	721.5	705.0	708.4
32.5°	794.5	731.9	686.5	655.1	637.0	624.5	624.3
35°	649.5	606.7	577.6	564.4	551.3	542.2	542.7
37.5°	555.9	530.1	513.9	499.4	491.2	486.7	484.2
40°	507.9	486.7	474.2	465.6	458.7	452.5	451.3
42.5°	469.9	452.5	439.9	433.2	426.7	422.3	421.1
45°	417.1	402.8	391.3	383.9	381.1	377.0	377.0
47.5°	371.0	357.0	348.0	343.4	338.5	335.8	335.7
50°	339.9	329.1	321.1	318.2	314.2	312.5	311.9
52.5°	312.0	303.9	298.3	296.3	294.5	292.4	292.7
55°	274.2	269.7	267.3	265.6	262.8	259.3	261.7
57.5°	242.4	238.4	232.3	226.9	224.3	221.9	222.8
60°	220.0	212.0	204.0	197.7	196.0	190.8	190.8
62.5°	191.6	180.4	170.6	167.0	165.3	162.9	162.5
65°	147.4	142.8	140.5	138.3	137.1	137.1	136.0
67.5°	122.2	120.3	117.8	117.3	116.1	115.7	115.4
70°	108.0	105.6	104.5	104.0	102.8	103.4	101.7
72.5°	94.3	92.5	92.2	90.7	90.1	90.1	88.9
75°	74.3	74.3	73.7	73.1	72.0	71.4	72.0
77.5°	57.2	57.3	56.2	56.1	56.0	56.1	55.5
80°	45.7	46.2	45.7	45.1	44.6	45.1	44.6
82.5°	36.1	35.3	35.2	35.0	35.0	34.6	34.5
85°	20.6	21.1	20.6	20.0	20.0	20.0	20.6
87.5°	12.3	12.2	12.2	12.2	12.3	12.3	11.9
90°	22.6	22.4	22.3	22.5	22.6	22.7	22.9
92.5°	21.6	21.6	21.7	21.7	21.8	21.8	21.8
95°	43.0	43.0	43.0	42.6	42.4	42.0	41.8
97.5°	72.4	72.4	72.4	72.4	72.3	72.3	72.2
100°	92.9	92.9	92.8	92.6	92.5	92.4	92.2
102.5°	115.3	115.5	115.4	115.3	115.1	114.9	114.8
105°	149.0	149.3	149.4	149.4	149.4	149.4	149.4
107.5°	184.9	185.0	184.8	184.1	183.4	182.7	182.0
110°	209.3	209.3	209.1	208.6	208.2	207.8	207.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	233.5	233.2	232.8	232.5	232.1	231.9	231.5
115°	271.5	271.3	271.0	270.5	270.1	269.7	269.2
117.5°	307.7	307.3	306.9	306.5	306.0	305.6	305.1
120°	332.4	332.4	332.3	331.7	331.3	330.9	330.5
122.5°	357.2	356.9	356.5	356.2	355.9	355.5	355.2
125°	394.3	393.9	393.6	393.5	393.3	393.2	393.0
127.5°	430.4	429.9	429.4	429.0	428.4	428.0	427.5
130°	455.4	455.1	454.6	454.0	453.5	452.9	452.3
132.5°	479.1	478.5	477.9	477.3	476.9	476.4	476.0
135°	515.1	514.9	514.6	514.2	513.8	513.2	512.8
137.5°	549.1	549.0	548.6	548.0	547.4	546.8	546.2
140°	572.0	572.0	571.7	571.2	570.6	570.0	569.4
142.5°	592.9	593.0	592.7	592.1	591.5	591.0	590.4
145°	624.3	624.5	624.2	623.6	623.0	622.4	621.8
147.5°	652.0	652.4	652.3	651.7	651.1	650.6	650.0
150°	669.6	670.1	670.1	669.6	669.2	668.7	668.3
152.5°	687.3	687.8	687.8	687.3	686.6	686.0	685.5
155°	709.6	710.3	710.5	710.0	709.6	709.1	708.7
157.5°	730.3	731.3	731.4	730.7	730.0	729.3	728.6
160°	742.4	743.2	743.4	742.8	742.2	741.6	741.0
162.5°	753.5	754.5	754.6	753.9	753.2	752.4	751.7
165°	767.7	768.7	768.9	768.1	767.3	766.6	765.9
167.5°	779.4	780.4	780.6	779.8	779.0	778.3	777.5
170°	785.8	786.9	787.0	786.1	785.1	784.3	783.3
172.5°	790.7	791.7	791.8	790.9	790.0	789.1	788.2
175°	795.9	796.9	797.0	796.2	795.2	794.4	793.5
177.5°	798.1	798.7	798.7	798.1	797.3	796.6	795.9
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5

(END OF REPORT)