

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: P331724-927

Luminaire Tested: **SA2XXRDIP-C865D925U927-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331724-927
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-C865D925U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5237.6 lumens
Efficiency: N/A
Efficacy: 86.6 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

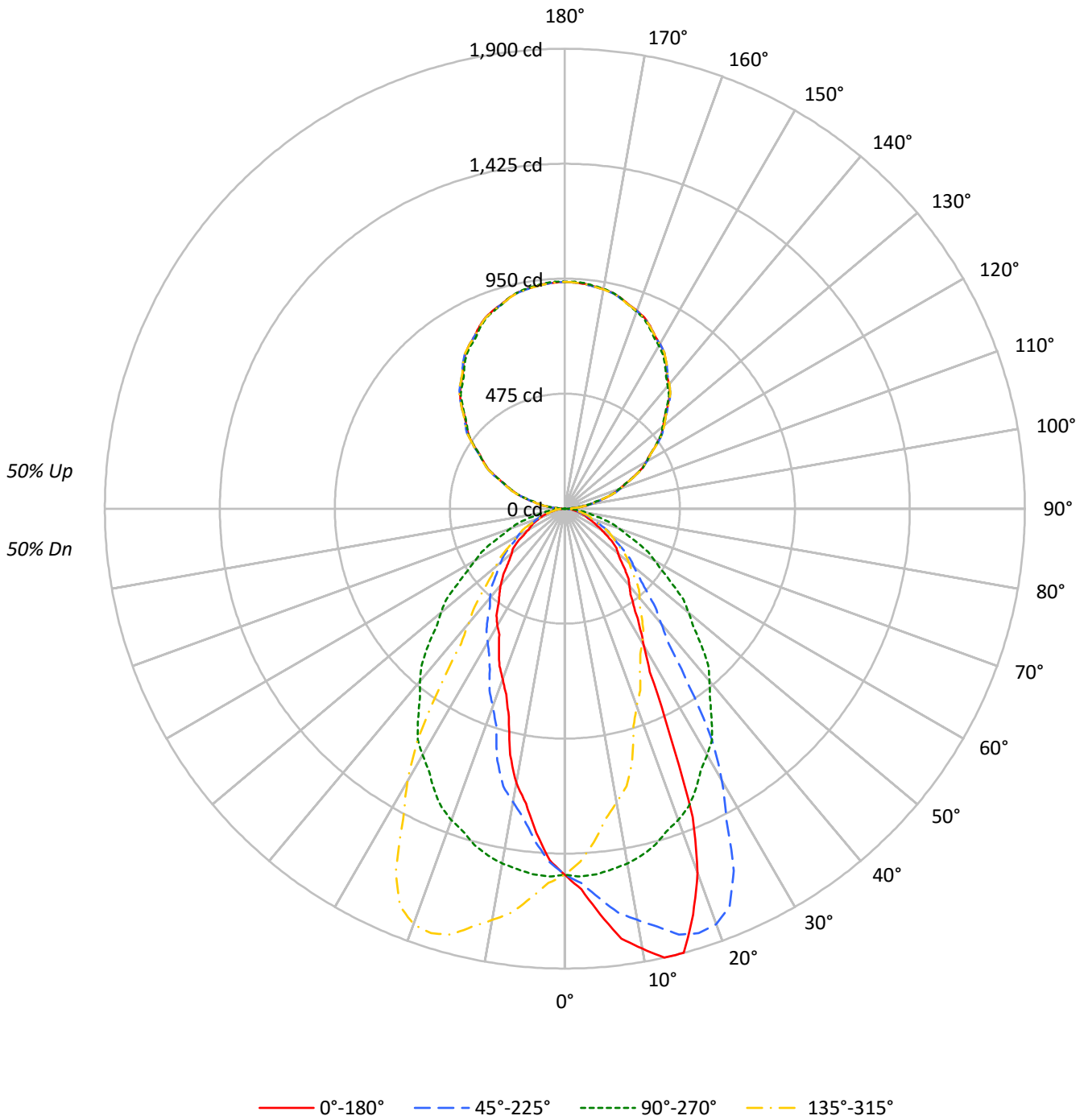
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	99	94	91	88	91	87	84	82	74	72	70	62	60	59	51	50	49	44				
2	90	83	78	73	83	77	72	68	66	62	59	55	53	51	46	44	42	38				
3	83	74	67	62	76	69	63	58	59	54	51	50	47	44	41	39	37	33				
4	76	66	59	53	70	62	55	50	53	48	44	45	41	38	37	35	33	29				
5	70	59	52	46	65	55	49	44	48	43	39	41	37	34	34	31	29	26				
6	65	54	46	41	60	50	43	38	44	38	34	37	33	30	31	28	26	23				
7	61	49	41	36	56	46	39	34	40	34	31	34	30	27	29	26	24	21				
8	56	45	37	32	52	42	35	31	37	31	28	32	27	25	27	24	22	19				
9	53	41	34	29	49	38	32	28	34	29	25	29	25	22	25	22	20	18				
10	49	38	31	26	46	36	29	25	31	26	23	27	23	20	23	20	18	16				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24425	24425	24425	24425
5°	27279	24577	21793	24577
10°	30263	24405	18889	24405
15°	31753	24047	14883	24047
20°	27527	23517	12880	23517
25°	18054	22792	11500	22792
30°	12152	21912	10407	21912
35°	9841	20802	9386	20802
40°	8753	19597	8686	19597
45°	7921	18182	7752	18182
50°	7209	16779	7181	16779
55°	6776	15226	6688	15226
60°	5667	13798	5603	13798
65°	4779	12531	5421	12531
70°	4419	11188	5113	11188
75°	4130	9738	4722	9738
80°	3812	8015	4203	8015
85°	3501	6317	3705	6317



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	2.7
10°-20°	399.6	7.6
20°-30°	514.9	9.8
30°-40°	489.3	9.3
40°-50°	419.2	8.0
50°-60°	319.2	6.1
60°-70°	201.8	3.9
70°-80°	100.8	1.9
80°-90°	30.0	0.6
90°-100°	59.4	1.1
100°-110°	184.4	3.5
110°-120°	315.1	6.0
120°-130°	414.4	7.9
130°-140°	465.2	8.9
140°-150°	456.1	8.7
150°-160°	382.5	7.3
160°-170°	253.7	4.8
170°-180°	88.7	1.7
0°-30°	1057.9	20.2
0°-40°	1547.2	29.5
0°-60°	2285.6	43.6
0°-90°	2618.1	50.0
90°-120°	558.9	10.7
90°-150°	1894.5	36.2
90°-180°	2620.0	50.0
0°-180°	5237.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1513	1513	1513	1513	1513	
5°	1683	1516	1345	1516	1683	166
15°	1900	1439	890	1439	1900	512
25°	1013	1279	646	1279	1013	481
35°	499	1055	476	1055	499	319
45°	347	796	340	796	347	269
55°	241	541	238	541	241	211
65°	125	328	142	328	125	127
75°	66	156	76	156	66	70
85°	19	34	20	34	19	21
90°	27	1	27	1	27	13
95°	49	41	49	41	49	55
105°	176	170	176	170	176	185
115°	316	316	316	316	316	312
125°	462	460	462	460	462	412
135°	602	595	602	595	602	464
145°	730	722	730	722	730	456
155°	832	826	832	826	832	383
165°	900	899	900	899	900	254
175°	932	935	932	935	932	89
180°	937	937	937	937	937	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1574.1	1575.4	1576.7	1573.7	1573.7	1571.2	1565.7	1561.5	1549.7	1548.1	1548.1
5°	1683.1	1682.0	1684.1	1677.3	1667.8	1665.7	1655.7	1642.6	1628.9	1613.7	1610.5
7.5°	1791.3	1789.7	1785.5	1784.4	1777.1	1761.3	1745.2	1728.1	1705.3	1683.1	1672.0
10°	1845.9	1863.3	1852.8	1834.4	1838.1	1813.4	1800.2	1777.7	1758.7	1725.6	1718.2
12.5°	1899.8	1906.6	1903.3	1892.8	1888.2	1871.0	1853.2	1833.6	1798.6	1768.9	1743.0
15°	1899.6	1909.6	1912.2	1909.1	1911.7	1910.7	1901.2	1884.8	1854.4	1821.8	1793.4
17.5°	1759.4	1766.3	1783.5	1795.2	1809.9	1841.0	1856.4	1862.3	1857.8	1839.2	1819.2
20°	1602.1	1590.5	1638.9	1663.6	1684.6	1737.2	1782.4	1799.8	1827.6	1827.1	1821.8
22.5°	1379.2	1382.0	1427.8	1457.1	1518.5	1571.1	1622.6	1687.9	1741.8	1777.4	1798.3
25°	1013.4	1033.4	1079.1	1119.0	1187.4	1285.2	1374.0	1477.0	1574.2	1651.0	1724.0
27.5°	761.1	762.6	798.8	835.8	876.3	956.4	1068.3	1191.3	1329.9	1444.3	1575.9
30°	651.8	648.6	663.8	686.4	721.1	783.2	867.3	988.2	1126.4	1298.8	1452.3
32.5°	574.4	574.6	586.1	602.8	631.6	673.4	731.0	829.3	959.9	1129.3	1309.3
35°	499.3	498.8	507.2	519.3	531.4	558.2	597.6	649.1	739.0	897.2	1081.2
37.5°	445.5	447.8	451.9	459.5	472.9	487.7	511.4	546.1	610.1	703.6	858.3
40°	415.3	416.3	422.1	428.4	436.3	447.8	467.3	495.1	541.9	616.6	729.5
42.5°	387.5	388.6	392.6	398.5	404.7	416.3	432.4	456.5	494.4	552.6	645.9
45°	346.9	346.9	350.6	353.2	360.0	370.6	383.7	403.7	429.9	473.1	535.1
47.5°	308.9	309.0	311.4	315.9	320.2	328.4	341.4	357.7	376.8	410.1	463.1
50°	287.0	287.5	289.1	292.8	295.4	302.8	312.8	326.9	346.9	372.6	416.8
52.5°	269.3	269.0	271.0	272.6	274.4	279.6	287.1	299.6	317.5	339.8	376.4
55°	240.7	238.6	241.8	244.4	246.0	248.1	252.3	260.2	275.4	294.4	321.7
57.5°	205.0	204.1	206.4	208.7	213.7	219.4	223.0	228.0	235.9	249.5	276.6
60°	175.5	175.5	180.3	181.9	187.7	195.0	202.4	206.6	214.4	223.4	243.4
62.5°	149.5	149.9	152.1	153.7	156.9	166.0	176.3	185.5	193.0	201.5	214.8
65°	125.1	126.1	126.1	127.2	129.3	131.4	135.6	143.0	156.1	168.2	178.2
67.5°	106.2	106.5	106.8	107.9	108.4	110.7	112.4	115.7	118.7	130.2	142.5
70°	93.6	95.1	94.6	95.7	96.2	97.2	99.3	100.9	105.7	108.3	115.7
72.5°	81.8	82.9	82.9	83.5	84.8	85.1	86.7	88.3	91.3	93.6	97.5
75°	66.2	65.7	66.2	67.3	67.8	68.4	68.4	70.4	72.0	74.1	76.8
77.5°	51.1	51.7	51.5	51.7	51.7	52.7	52.6	53.5	55.1	56.2	57.4
80°	41.0	41.5	41.0	41.5	42.1	42.5	42.1	42.5	44.1	45.2	45.2
82.5°	31.8	31.8	32.2	32.2	32.4	32.5	33.2	33.4	34.5	34.3	34.7
85°	18.9	18.4	18.4	18.4	18.9	19.4	18.9	18.9	19.4	19.4	19.4
87.5°	12.1	12.5	12.4	12.4	12.4	12.4	12.4	13.0	12.6	13.1	11.9
90°	26.9	26.7	26.5	26.4	26.1	26.3	26.6	26.9	27.3	27.6	23.8
92.5°	25.6	25.6	25.5	25.5	25.5	25.4	25.3	25.3	25.2	25.1	24.2
95°	49.0	49.4	49.7	50.1	50.4	50.6	50.6	50.6	50.6	50.6	50.2
97.5°	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	84.4
100°	108.3	108.4	108.7	108.8	109.0	109.1	109.1	109.1	109.1	109.1	108.6
102.5°	134.9	135.1	135.2	135.4	135.5	135.6	135.5	135.3	135.1	135.1	134.4
105°	175.5	175.5	175.5	175.5	175.5	175.3	175.0	174.6	174.3	173.9	173.6
107.5°	213.7	214.6	215.4	216.2	217.0	217.3	217.2	217.1	216.9	216.7	216.7
110°	243.5	244.0	244.5	245.1	245.6	245.9	245.9	245.9	245.9	245.9	245.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	272.0	272.4	272.7	273.1	273.5	273.9	274.3	274.7	275.2	275.6	275.8
115°	316.2	316.7	317.3	317.8	318.3	318.7	318.9	319.0	319.2	319.4	319.7
117.5°	358.5	358.9	359.5	360.0	360.5	361.0	361.5	361.9	362.3	362.7	363.7
120°	388.2	388.7	389.2	389.8	390.3	390.5	390.5	390.5	390.5	390.5	392.0
122.5°	417.2	417.6	418.0	418.4	418.8	419.2	419.6	420.0	420.5	420.9	421.9
125°	461.7	461.8	462.0	462.2	462.4	462.7	463.3	463.8	464.3	464.9	465.4
127.5°	502.2	502.7	503.3	503.8	504.4	505.0	505.6	506.3	506.9	507.6	508.2
130°	531.2	532.0	532.7	533.4	534.1	534.6	535.0	535.3	535.7	536.0	536.4
132.5°	559.1	559.7	560.2	560.8	561.3	562.0	562.8	563.6	564.4	565.1	565.0
135°	602.4	602.9	603.5	604.0	604.5	604.8	605.1	605.2	605.4	605.5	605.2
137.5°	641.6	642.3	643.0	643.7	644.4	644.8	645.0	645.2	645.3	645.4	645.0
140°	668.8	669.6	670.2	670.9	671.6	672.0	672.0	672.0	672.0	672.0	671.1
142.5°	693.5	694.2	694.9	695.6	696.3	696.6	696.4	696.3	696.2	696.0	695.4
145°	730.5	731.2	731.9	732.6	733.3	733.6	733.4	733.2	733.0	732.8	731.8
147.5°	763.5	764.2	764.9	765.6	766.2	766.4	766.0	765.6	765.2	764.8	764.1
150°	785.1	785.5	786.1	786.6	787.1	787.1	786.6	786.1	785.5	785.1	784.3
152.5°	805.3	806.0	806.6	807.2	807.9	807.9	807.2	806.6	806.0	805.3	804.4
155°	832.4	833.0	833.5	834.0	834.6	834.4	833.5	832.7	831.8	830.8	830.4
157.5°	855.9	856.7	857.5	858.4	859.2	859.0	857.9	856.7	855.5	854.3	854.0
160°	870.4	871.1	871.8	872.5	873.2	873.1	872.0	870.9	869.9	868.8	868.6
162.5°	883.0	883.9	884.7	885.6	886.5	886.2	885.0	883.8	882.6	881.5	881.3
165°	899.7	900.6	901.4	902.3	903.2	903.0	901.7	900.6	899.3	898.1	898.1
167.5°	913.2	914.2	915.0	916.0	916.9	916.7	915.5	914.3	913.1	911.8	911.9
170°	920.2	921.2	922.3	923.4	924.4	924.3	923.1	921.9	920.7	919.4	919.6
172.5°	925.9	926.9	928.0	929.1	930.1	930.0	928.8	927.6	926.4	925.1	925.3
175°	932.1	933.1	934.1	935.3	936.3	936.2	934.9	933.7	932.5	931.3	931.6
177.5°	934.9	935.7	936.6	937.5	938.3	938.3	937.5	936.6	935.7	934.9	935.2
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1548.9	1545.5	1542.6	1535.0	1531.2	1522.8	1521.5	1521.1	1510.2	1499.7	1496.7
5°	1602.1	1593.7	1581.0	1566.4	1551.1	1535.3	1524.8	1516.4	1495.4	1475.4	1463.9
7.5°	1655.7	1637.6	1615.9	1588.0	1564.8	1538.7	1519.3	1502.0	1472.2	1443.6	1424.3
10°	1695.7	1666.2	1637.3	1598.9	1569.0	1539.5	1512.2	1488.6	1454.9	1417.1	1390.3
12.5°	1720.5	1688.1	1648.2	1610.7	1571.9	1534.5	1497.9	1467.5	1428.0	1388.9	1357.0
15°	1754.0	1719.3	1671.0	1617.3	1567.4	1518.5	1476.5	1438.6	1387.1	1340.3	1301.4
17.5°	1781.5	1733.7	1681.8	1619.8	1561.9	1499.8	1445.7	1397.3	1340.0	1283.6	1237.7
20°	1790.3	1743.0	1683.1	1621.0	1552.7	1479.6	1421.3	1368.7	1307.2	1245.7	1193.2
22.5°	1784.8	1748.0	1681.3	1607.1	1537.2	1460.7	1394.8	1333.8	1265.6	1202.8	1141.9
25°	1747.7	1735.0	1672.0	1591.0	1511.2	1422.4	1346.1	1279.4	1201.6	1134.3	1068.0
27.5°	1661.2	1688.4	1649.3	1563.1	1474.3	1379.0	1293.3	1217.3	1136.6	1060.9	994.9
30°	1577.9	1640.5	1623.7	1543.7	1444.4	1350.8	1254.7	1175.3	1089.1	1011.3	946.1
32.5°	1464.0	1567.3	1583.7	1516.9	1414.1	1311.3	1210.5	1131.6	1041.6	959.6	896.0
35°	1282.5	1437.0	1508.0	1465.5	1362.4	1251.5	1147.4	1055.4	965.0	884.1	821.0
37.5°	1066.0	1276.5	1394.8	1397.8	1303.2	1187.9	1074.6	983.3	890.7	811.3	743.0
40°	925.6	1153.7	1307.7	1341.9	1262.0	1137.4	1022.9	929.8	839.4	761.6	683.3
42.5°	799.5	1026.7	1216.1	1275.5	1212.0	1088.2	973.3	876.0	788.1	714.5	634.5
45°	646.5	845.2	1053.8	1160.1	1124.8	1010.3	888.8	796.3	713.8	650.2	573.5
47.5°	545.4	685.4	887.3	1030.9	1030.3	925.7	806.3	717.7	641.1	581.5	519.4
50°	487.7	609.7	780.5	943.5	957.1	869.3	755.8	668.0	596.6	534.0	484.1
52.5°	436.0	536.5	690.1	846.4	885.3	809.2	699.1	618.1	548.7	491.2	448.4
55°	368.4	446.2	562.9	709.1	767.9	714.3	616.6	540.9	484.7	436.3	399.5
57.5°	311.7	370.0	463.7	581.3	649.9	616.2	535.5	474.0	425.9	382.1	353.1
60°	275.9	323.8	403.1	501.5	577.1	553.5	484.7	427.3	386.3	348.5	321.2
62.5°	242.3	283.4	351.4	431.2	500.6	490.8	434.6	386.5	350.6	316.1	292.9
65°	195.0	225.0	278.1	340.6	396.3	401.1	360.6	328.0	296.0	268.6	248.1
67.5°	155.3	174.8	212.2	264.9	306.7	321.5	296.8	272.0	246.5	225.4	207.6
70°	130.9	146.6	174.0	216.6	254.9	270.7	256.5	237.0	215.0	197.6	182.4
72.5°	106.1	121.4	141.6	172.9	205.7	222.8	217.9	203.8	185.9	171.6	157.2
75°	79.9	84.6	98.3	119.3	145.0	159.8	163.5	156.1	141.9	130.9	122.5
77.5°	59.1	61.9	68.4	79.5	96.3	109.4	114.8	113.9	104.2	97.8	89.9
80°	47.3	48.9	52.0	56.8	69.4	82.5	86.2	86.2	79.4	76.8	68.8
82.5°	36.0	37.1	39.0	41.6	47.5	58.9	63.1	63.9	59.6	56.2	49.9
85°	20.5	20.0	21.0	22.6	23.7	26.8	33.1	34.1	33.1	28.9	27.3
87.5°	11.2	10.8	10.0	9.0	9.0	9.0	10.7	12.4	11.1	10.2	9.8
90°	20.0	16.1	12.2	9.2	7.1	5.0	2.9	0.8	2.9	5.0	7.1
92.5°	23.3	22.4	21.5	20.3	18.7	17.2	15.6	14.1	15.6	17.2	18.7
95°	49.9	49.5	49.2	48.2	46.3	44.6	42.9	41.1	42.9	44.6	46.3
97.5°	83.7	83.1	82.4	81.3	79.8	78.2	76.7	75.1	76.7	78.2	79.8
100°	108.1	107.5	107.0	106.0	104.6	103.2	101.8	100.4	101.8	103.2	104.6
102.5°	133.7	133.0	132.4	131.4	130.3	129.2	128.1	127.0	128.1	129.2	130.3
105°	173.3	172.9	172.5	172.1	171.6	171.0	170.5	170.0	170.5	171.0	171.6
107.5°	216.7	216.7	216.7	216.4	215.6	214.8	214.0	213.3	214.0	214.8	215.6
110°	245.9	245.9	245.9	245.3	244.3	243.2	242.2	241.1	242.2	243.2	244.3



TEST NUMBER: P331724-927

CATALOG NUMBER: SA2XXRDIP-C865D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.8	276.0	276.2	275.7	274.6	273.6	272.5	271.5	272.5	273.6	274.6
115°	320.1	320.4	320.8	320.4	319.4	318.3	317.3	316.2	317.3	318.3	319.4
117.5°	364.6	365.7	366.6	366.5	365.0	363.6	362.2	360.8	362.2	363.6	365.0
120°	393.3	394.7	396.2	396.2	394.7	393.3	392.0	390.5	392.0	393.3	394.7
122.5°	422.9	423.8	424.8	424.5	422.8	421.1	419.4	417.7	419.4	421.1	422.8
125°	465.9	466.4	467.0	466.4	464.9	463.3	461.7	460.1	461.7	463.3	464.9
127.5°	508.8	509.5	510.1	509.4	507.4	505.4	503.4	501.4	503.4	505.4	507.4
130°	536.7	537.0	537.4	536.5	534.2	531.9	529.6	527.3	529.6	531.9	534.2
132.5°	565.0	564.9	564.8	563.9	562.0	560.2	558.3	556.4	558.3	560.2	562.0
135°	604.8	604.5	604.2	603.0	601.1	599.1	597.2	595.3	597.2	599.1	601.1
137.5°	644.5	644.0	643.6	642.5	641.0	639.4	637.8	636.3	637.8	639.4	641.0
140°	670.2	669.3	668.4	667.3	665.7	664.1	662.5	660.9	662.5	664.1	665.7
142.5°	694.8	694.2	693.6	692.5	690.9	689.4	687.8	686.2	687.8	689.4	690.9
145°	730.7	729.7	728.6	727.5	726.3	725.0	723.8	722.5	723.8	725.0	726.3
147.5°	763.3	762.7	762.0	760.9	759.4	758.0	756.5	754.9	756.5	758.0	759.4
150°	783.6	782.9	782.2	781.3	780.3	779.2	778.2	777.1	778.2	779.2	780.3
152.5°	803.6	802.7	801.9	801.0	799.9	798.8	797.8	796.7	797.8	798.8	799.9
155°	829.8	829.3	828.8	828.2	827.8	827.2	826.6	826.2	826.6	827.2	827.8
157.5°	853.7	853.3	853.0	852.7	852.3	852.0	851.6	851.3	851.6	852.0	852.3
160°	868.5	868.3	868.2	867.8	867.5	867.1	866.8	866.5	866.8	867.1	867.5
162.5°	881.1	881.0	880.7	880.7	880.6	880.5	880.4	880.4	880.4	880.5	880.6
165°	898.1	898.1	898.1	898.2	898.3	898.5	898.7	898.9	898.7	898.5	898.3
167.5°	911.9	912.0	912.0	912.3	912.8	913.3	913.9	914.3	913.9	913.3	912.8
170°	919.8	920.0	920.1	920.4	921.0	921.5	922.0	922.6	922.0	921.5	921.0
172.5°	925.4	925.7	925.8	926.1	926.7	927.2	927.7	928.3	927.7	927.2	926.7
175°	932.0	932.3	932.7	933.1	933.7	934.1	934.7	935.3	934.7	934.1	933.7
177.5°	935.5	935.7	936.0	936.4	936.8	937.2	937.6	938.1	937.6	937.2	936.8
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331724-927

CATALOG NUMBER: SA2XXRDIP-C865D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1491.3	1488.4	1482.9	1474.5	1469.4	1460.6	1454.7	1458.1	1458.9	1458.1	1457.2
5°	1451.2	1440.2	1425.0	1410.2	1396.5	1381.9	1373.4	1369.8	1362.4	1358.2	1356.1
7.5°	1402.8	1383.8	1362.2	1336.6	1314.8	1292.0	1280.3	1274.5	1259.5	1251.3	1244.1
10°	1366.6	1336.6	1315.1	1281.4	1261.0	1231.0	1210.5	1211.0	1190.5	1178.9	1170.5
12.5°	1326.7	1293.8	1257.9	1227.6	1199.1	1175.0	1150.4	1140.3	1118.6	1107.5	1084.7
15°	1260.4	1222.1	1184.2	1143.2	1114.3	1077.0	1041.2	997.6	962.4	931.9	923.5
17.5°	1188.1	1140.6	1102.6	1054.5	1005.0	942.2	900.8	875.4	854.2	838.1	826.2
20°	1138.5	1090.1	1049.6	977.2	910.4	867.8	837.3	817.8	795.8	778.5	769.0
22.5°	1086.3	1035.9	980.7	899.8	847.7	813.6	786.4	764.1	749.1	735.5	726.9
25°	1012.3	957.1	866.3	810.5	768.4	732.7	713.8	700.1	684.4	666.0	657.5
27.5°	934.1	846.4	781.1	739.7	699.5	676.3	659.3	638.8	624.7	616.5	607.7
30°	875.7	787.9	736.9	691.7	663.3	637.5	617.6	606.0	592.4	578.2	572.4
32.5°	810.5	740.4	691.5	653.9	625.0	603.1	587.3	568.6	558.7	550.0	537.9
35°	729.5	676.4	631.8	601.3	574.0	556.1	537.7	526.6	508.8	501.5	496.7
37.5°	661.0	615.0	581.6	549.5	527.8	508.0	496.8	479.3	471.5	461.3	451.3
40°	622.3	577.1	545.1	518.8	494.6	479.9	465.7	451.5	440.0	435.2	423.1
42.5°	582.8	546.1	514.0	485.1	469.0	453.4	435.5	425.0	413.0	405.4	397.9
45°	528.2	495.7	468.3	444.7	426.8	410.5	398.9	381.6	374.8	359.5	353.2
47.5°	480.3	450.0	424.0	401.5	384.0	373.4	356.5	342.9	332.0	322.7	314.5
50°	446.2	421.0	395.8	375.8	360.0	344.8	327.5	320.6	303.8	299.0	294.4
52.5°	415.1	391.2	368.0	348.5	332.7	317.9	302.6	293.7	282.3	277.7	274.2
55°	371.6	348.5	326.4	309.0	293.3	278.1	268.6	257.5	252.3	248.6	244.4
57.5°	327.9	307.0	290.2	272.6	256.7	244.6	233.7	227.0	221.6	216.7	211.8
60°	300.2	280.1	264.9	248.6	232.3	222.4	213.9	206.0	199.7	192.3	190.3
62.5°	270.7	253.3	239.2	223.4	209.2	200.0	192.0	184.6	177.1	166.3	163.3
65°	230.2	216.6	201.8	188.7	176.1	167.2	155.6	147.2	144.0	143.0	142.4
67.5°	193.6	180.7	168.1	154.6	143.1	134.9	129.0	127.7	125.5	124.8	123.4
70°	169.2	157.2	144.6	131.9	120.9	119.3	117.2	115.1	112.5	111.5	110.4
72.5°	147.3	134.9	122.2	112.2	107.4	105.4	103.3	101.2	99.4	98.4	97.8
75°	113.0	101.5	93.0	89.4	86.7	85.2	82.0	80.4	79.4	77.8	77.2
77.5°	81.4	74.9	71.0	68.7	65.9	64.2	62.4	60.8	59.7	59.4	58.5
80°	62.0	58.9	56.2	53.1	52.0	49.9	49.4	47.8	48.3	46.8	46.8
82.5°	48.2	44.1	41.9	40.5	39.5	37.7	37.2	36.4	36.6	35.4	35.4
85°	24.7	23.7	22.6	21.5	21.5	20.0	20.5	20.0	20.0	18.9	18.4
87.5°	9.8	10.0	10.0	10.7	11.5	11.8	11.8	11.2	11.2	11.2	10.7
90°	9.2	12.2	16.1	20.0	23.8	27.6	27.3	26.9	26.6	26.3	26.1
92.5°	20.3	21.5	22.4	23.3	24.2	25.1	25.2	25.3	25.3	25.4	25.5
95°	48.2	49.2	49.5	49.9	50.2	50.6	50.6	50.6	50.6	50.6	50.4
97.5°	81.3	82.4	83.1	83.7	84.4	85.1	85.1	85.1	85.1	85.1	85.1
100°	106.0	107.0	107.5	108.1	108.6	109.1	109.1	109.1	109.1	109.1	109.0
102.5°	131.4	132.4	133.0	133.7	134.4	135.1	135.1	135.3	135.5	135.6	135.5
105°	172.1	172.5	172.9	173.3	173.6	173.9	174.3	174.6	175.0	175.3	175.5
107.5°	216.4	216.7	216.7	216.7	216.7	216.7	216.9	217.1	217.2	217.3	217.0
110°	245.3	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.6



TEST NUMBER: P331724-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	275.7	276.2	276.0	275.8	275.8	275.6	275.2	274.7	274.3	273.9	273.5
115°	320.4	320.8	320.4	320.1	319.7	319.4	319.2	319.0	318.9	318.7	318.3
117.5°	366.5	366.6	365.7	364.6	363.7	362.7	362.3	361.9	361.5	361.0	360.5
120°	396.2	396.2	394.7	393.3	392.0	390.5	390.5	390.5	390.5	390.5	390.3
122.5°	424.5	424.8	423.8	422.9	421.9	420.9	420.5	420.0	419.6	419.2	418.8
125°	466.4	467.0	466.4	465.9	465.4	464.9	464.3	463.8	463.3	462.7	462.4
127.5°	509.4	510.1	509.5	508.8	508.2	507.6	506.9	506.3	505.6	505.0	504.4
130°	536.5	537.4	537.0	536.7	536.4	536.0	535.7	535.3	535.0	534.6	534.1
132.5°	563.9	564.8	564.9	565.0	565.0	565.1	564.4	563.6	562.8	562.0	561.3
135°	603.0	604.2	604.5	604.8	605.2	605.5	605.4	605.2	605.1	604.8	604.5
137.5°	642.5	643.6	644.0	644.5	645.0	645.4	645.3	645.2	645.0	644.8	644.4
140°	667.3	668.4	669.3	670.2	671.1	672.0	672.0	672.0	672.0	672.0	671.6
142.5°	692.5	693.6	694.2	694.8	695.4	696.0	696.2	696.3	696.4	696.6	696.3
145°	727.5	728.6	729.7	730.7	731.8	732.8	733.0	733.2	733.4	733.6	733.3
147.5°	760.9	762.0	762.7	763.3	764.1	764.8	765.2	765.6	766.0	766.4	766.2
150°	781.3	782.2	782.9	783.6	784.3	785.1	785.5	786.1	786.6	787.1	787.1
152.5°	801.0	801.9	802.7	803.6	804.4	805.3	806.0	806.6	807.2	807.9	807.9
155°	828.2	828.8	829.3	829.8	830.4	830.8	831.8	832.7	833.5	834.4	834.6
157.5°	852.7	853.0	853.3	853.7	854.0	854.3	855.5	856.7	857.9	859.0	859.2
160°	867.8	868.2	868.3	868.5	868.6	868.8	869.9	870.9	872.0	873.1	873.2
162.5°	880.7	880.7	881.0	881.1	881.3	881.5	882.6	883.8	885.0	886.2	886.5
165°	898.2	898.1	898.1	898.1	898.1	898.1	899.3	900.6	901.7	903.0	903.2
167.5°	912.3	912.0	912.0	911.9	911.9	911.8	913.1	914.3	915.5	916.7	916.9
170°	920.4	920.1	920.0	919.8	919.6	919.4	920.7	921.9	923.1	924.3	924.4
172.5°	926.1	925.8	925.7	925.4	925.3	925.1	926.4	927.6	928.8	930.0	930.1
175°	933.1	932.7	932.3	932.0	931.6	931.3	932.5	933.7	934.9	936.2	936.3
177.5°	936.4	936.0	935.7	935.5	935.2	934.9	935.7	936.6	937.5	938.3	938.3
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331724-927

CATALOG NUMBER: SA2XXRDIP-C865D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1452.6	1453.4	1452.1	1453.0	1452.1	1453.4	1452.6	1457.2	1458.1	1458.9	1458.1
5°	1353.4	1347.2	1346.1	1344.6	1346.1	1347.2	1353.4	1356.1	1358.2	1362.4	1369.8
7.5°	1235.1	1234.1	1231.5	1227.9	1231.5	1234.1	1235.1	1244.1	1251.3	1259.5	1274.5
10°	1159.0	1156.3	1155.9	1152.1	1155.9	1156.3	1159.0	1170.5	1178.9	1190.5	1211.0
12.5°	1069.8	1052.9	1051.1	1042.0	1051.1	1052.9	1069.8	1084.7	1107.5	1118.6	1140.3
15°	910.9	907.8	897.2	890.4	897.2	907.8	910.9	923.5	931.9	962.4	997.6
17.5°	820.1	809.8	806.5	805.0	806.5	809.8	820.1	826.2	838.1	854.2	875.4
20°	761.6	752.2	750.6	749.6	750.6	752.2	761.6	769.0	778.5	795.8	817.8
22.5°	721.3	711.4	707.3	704.1	707.3	711.4	721.3	726.9	735.5	749.1	764.1
25°	652.3	648.6	646.5	645.5	646.5	648.6	652.3	657.5	666.0	684.4	700.1
27.5°	598.3	590.3	588.7	586.0	588.7	590.3	598.3	607.7	616.5	624.7	638.8
30°	567.7	565.1	561.3	558.2	561.3	565.1	567.7	572.4	578.2	592.4	606.0
32.5°	531.5	529.3	526.0	524.6	526.0	529.3	531.5	537.9	550.0	558.7	568.6
35°	491.5	484.1	480.9	476.2	480.9	484.1	491.5	496.7	501.5	508.8	526.6
37.5°	449.1	445.2	440.8	442.4	440.8	445.2	449.1	451.3	461.3	471.5	479.3
40°	416.3	413.7	412.6	412.1	412.6	413.7	416.3	423.1	435.2	440.0	451.5
42.5°	390.2	382.9	380.2	380.1	380.2	382.9	390.2	397.9	405.4	413.0	425.0
45°	350.6	343.7	339.1	339.5	339.1	343.7	350.6	353.2	359.5	374.8	381.6
47.5°	310.0	309.8	306.9	307.8	306.9	309.8	310.0	314.5	322.7	332.0	342.9
50°	290.7	287.5	285.4	285.9	285.4	287.5	290.7	294.4	299.0	303.8	320.6
52.5°	272.2	269.4	267.8	270.0	267.8	269.4	272.2	274.2	277.7	282.3	293.7
55°	241.8	238.6	238.1	237.6	238.1	238.6	241.8	244.4	248.6	252.3	257.5
57.5°	207.9	205.7	202.6	201.2	202.6	205.7	207.9	211.8	216.7	221.6	227.0
60°	183.5	179.3	174.0	173.5	174.0	179.3	183.5	190.3	192.3	199.7	206.0
62.5°	161.1	160.3	159.2	159.1	159.2	160.3	161.1	163.3	166.3	177.1	184.6
65°	141.4	140.9	141.4	141.9	141.4	140.9	141.4	142.4	143.0	144.0	147.2
67.5°	123.2	122.2	121.3	121.8	121.3	122.2	123.2	123.4	124.8	125.5	127.7
70°	109.3	108.8	108.3	108.3	108.3	108.8	109.3	110.4	111.5	112.5	115.1
72.5°	95.9	95.8	95.2	94.8	95.2	95.8	95.9	97.8	98.4	99.4	101.2
75°	76.8	75.7	75.7	75.7	75.7	75.7	76.8	77.2	77.8	79.4	80.4
77.5°	58.5	57.9	57.4	57.0	57.4	57.9	58.5	58.5	59.4	59.7	60.8
80°	46.3	45.7	45.2	45.2	45.2	45.7	46.3	46.8	46.8	48.3	47.8
82.5°	35.3	34.8	34.7	34.3	34.7	34.8	35.3	35.4	35.4	36.6	36.4
85°	18.9	19.4	18.9	20.0	18.9	19.4	18.9	18.4	18.9	20.0	20.0
87.5°	10.8	10.4	10.8	10.5	10.8	10.4	10.8	10.7	11.2	11.2	11.2
90°	26.4	26.5	26.7	26.9	26.7	26.5	26.4	26.1	26.3	26.6	26.9
92.5°	25.5	25.5	25.6	25.6	25.6	25.5	25.5	25.5	25.4	25.3	25.3
95°	50.1	49.7	49.4	49.0	49.4	49.7	50.1	50.4	50.6	50.6	50.6
97.5°	85.0	85.0	84.9	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1
100°	108.8	108.7	108.4	108.3	108.4	108.7	108.8	109.0	109.1	109.1	109.1
102.5°	135.4	135.2	135.1	134.9	135.1	135.2	135.4	135.5	135.6	135.5	135.3
105°	175.5	175.5	175.5	175.5	175.5	175.5	175.5	175.5	175.3	175.0	174.6
107.5°	216.2	215.4	214.6	213.7	214.6	215.4	216.2	217.0	217.3	217.2	217.1
110°	245.1	244.5	244.0	243.5	244.0	244.5	245.1	245.6	245.9	245.9	245.9



TEST NUMBER: P331724-927

CATALOG NUMBER: SA2XXRDIP-C865D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	273.1	272.7	272.4	272.0	272.4	272.7	273.1	273.5	273.9	274.3	274.7
115°	317.8	317.3	316.7	316.2	316.7	317.3	317.8	318.3	318.7	318.9	319.0
117.5°	360.0	359.5	358.9	358.5	358.9	359.5	360.0	360.5	361.0	361.5	361.9
120°	389.8	389.2	388.7	388.2	388.7	389.2	389.8	390.3	390.5	390.5	390.5
122.5°	418.4	418.0	417.6	417.2	417.6	418.0	418.4	418.8	419.2	419.6	420.0
125°	462.2	462.0	461.8	461.7	461.8	462.0	462.2	462.4	462.7	463.3	463.8
127.5°	503.8	503.3	502.7	502.2	502.7	503.3	503.8	504.4	505.0	505.6	506.3
130°	533.4	532.7	532.0	531.2	532.0	532.7	533.4	534.1	534.6	535.0	535.3
132.5°	560.8	560.2	559.7	559.1	559.7	560.2	560.8	561.3	562.0	562.8	563.6
135°	604.0	603.5	602.9	602.4	602.9	603.5	604.0	604.5	604.8	605.1	605.2
137.5°	643.7	643.0	642.3	641.6	642.3	643.0	643.7	644.4	644.8	645.0	645.2
140°	670.9	670.2	669.6	668.8	669.6	670.2	670.9	671.6	672.0	672.0	672.0
142.5°	695.6	694.9	694.2	693.5	694.2	694.9	695.6	696.3	696.6	696.4	696.3
145°	732.6	731.9	731.2	730.5	731.2	731.9	732.6	733.3	733.6	733.4	733.2
147.5°	765.6	764.9	764.2	763.5	764.2	764.9	765.6	766.2	766.4	766.0	765.6
150°	786.6	786.1	785.5	785.1	785.5	786.1	786.6	787.1	787.1	786.6	786.1
152.5°	807.2	806.6	806.0	805.3	806.0	806.6	807.2	807.9	807.9	807.2	806.6
155°	834.0	833.5	833.0	832.4	833.0	833.5	834.0	834.6	834.4	833.5	832.7
157.5°	858.4	857.5	856.7	855.9	856.7	857.5	858.4	859.2	859.0	857.9	856.7
160°	872.5	871.8	871.1	870.4	871.1	871.8	872.5	873.2	873.1	872.0	870.9
162.5°	885.6	884.7	883.9	883.0	883.9	884.7	885.6	886.5	886.2	885.0	883.8
165°	902.3	901.4	900.6	899.7	900.6	901.4	902.3	903.2	903.0	901.7	900.6
167.5°	916.0	915.0	914.2	913.2	914.2	915.0	916.0	916.9	916.7	915.5	914.3
170°	923.4	922.3	921.2	920.2	921.2	922.3	923.4	924.4	924.3	923.1	921.9
172.5°	929.1	928.0	926.9	925.9	926.9	928.0	929.1	930.1	930.0	928.8	927.6
175°	935.3	934.1	933.1	932.1	933.1	934.1	935.3	936.3	936.2	934.9	933.7
177.5°	937.5	936.6	935.7	934.9	935.7	936.6	937.5	938.3	938.3	937.5	936.6
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331724-927

CATALOG NUMBER: SA2XXRDIP-C865D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1454.7	1460.6	1469.4	1474.5	1482.9	1488.4	1491.3	1496.7	1499.7	1510.2	1521.1
5°	1373.4	1381.9	1396.5	1410.2	1425.0	1440.2	1451.2	1463.9	1475.4	1495.4	1516.4
7.5°	1280.3	1292.0	1314.8	1336.6	1362.2	1383.8	1402.8	1424.3	1443.6	1472.2	1502.0
10°	1210.5	1231.0	1261.0	1281.4	1315.1	1336.6	1366.6	1390.3	1417.1	1454.9	1488.6
12.5°	1150.4	1175.0	1199.1	1227.6	1257.9	1293.8	1326.7	1357.0	1388.9	1428.0	1467.5
15°	1041.2	1077.0	1114.3	1143.2	1184.2	1222.1	1260.4	1301.4	1340.3	1387.1	1438.6
17.5°	900.8	942.2	1005.0	1054.5	1102.6	1140.6	1188.1	1237.7	1283.6	1340.0	1397.3
20°	837.3	867.8	910.4	977.2	1049.6	1090.1	1138.5	1193.2	1245.7	1307.2	1368.7
22.5°	786.4	813.6	847.7	899.8	980.7	1035.9	1086.3	1141.9	1202.8	1265.6	1333.8
25°	713.8	732.7	768.4	810.5	866.3	957.1	1012.3	1068.0	1134.3	1201.6	1279.4
27.5°	659.3	676.3	699.5	739.7	781.1	846.4	934.1	994.9	1060.9	1136.6	1217.3
30°	617.6	637.5	663.3	691.7	736.9	787.9	875.7	946.1	1011.3	1089.1	1175.3
32.5°	587.3	603.1	625.0	653.9	691.5	740.4	810.5	896.0	959.6	1041.6	1131.6
35°	537.7	556.1	574.0	601.3	631.8	676.4	729.5	821.0	884.1	965.0	1055.4
37.5°	496.8	508.0	527.8	549.5	581.6	615.0	661.0	743.0	811.3	890.7	983.3
40°	465.7	479.9	494.6	518.8	545.1	577.1	622.3	683.3	761.6	839.4	929.8
42.5°	435.5	453.4	469.0	485.1	514.0	546.1	582.8	634.5	714.5	788.1	876.0
45°	398.9	410.5	426.8	444.7	468.3	495.7	528.2	573.5	650.2	713.8	796.3
47.5°	356.5	373.4	384.0	401.5	424.0	450.0	480.3	519.4	581.5	641.1	717.7
50°	327.5	344.8	360.0	375.8	395.8	421.0	446.2	484.1	534.0	596.6	668.0
52.5°	302.6	317.9	332.7	348.5	368.0	391.2	415.1	448.4	491.2	548.7	618.1
55°	268.6	278.1	293.3	309.0	326.4	348.5	371.6	399.5	436.3	484.7	540.9
57.5°	233.7	244.6	256.7	272.6	290.2	307.0	327.9	353.1	382.1	425.9	474.0
60°	213.9	222.4	232.3	248.6	264.9	280.1	300.2	321.2	348.5	386.3	427.3
62.5°	192.0	200.0	209.2	223.4	239.2	253.3	270.7	292.9	316.1	350.6	386.5
65°	155.6	167.2	176.1	188.7	201.8	216.6	230.2	248.1	268.6	296.0	328.0
67.5°	129.0	134.9	143.1	154.6	168.1	180.7	193.6	207.6	225.4	246.5	272.0
70°	117.2	119.3	120.9	131.9	144.6	157.2	169.2	182.4	197.6	215.0	237.0
72.5°	103.3	105.4	107.4	112.2	122.2	134.9	147.3	157.2	171.6	185.9	203.8
75°	82.0	85.2	86.7	89.4	93.0	101.5	113.0	122.5	130.9	141.9	156.1
77.5°	62.4	64.2	65.9	68.7	71.0	74.9	81.4	89.9	97.8	104.2	113.9
80°	49.4	49.9	52.0	53.1	56.2	58.9	62.0	68.8	76.8	79.4	86.2
82.5°	37.2	37.7	39.5	40.5	41.9	44.1	48.2	49.9	56.2	59.6	63.9
85°	20.5	20.0	21.5	21.5	22.6	23.7	24.7	27.3	28.9	33.1	34.1
87.5°	11.8	11.8	11.5	10.7	10.0	10.0	9.8	9.8	10.2	11.1	12.4
90°	27.3	27.6	23.8	20.0	16.1	12.2	9.2	7.1	5.0	2.9	0.8
92.5°	25.2	25.1	24.2	23.3	22.4	21.5	20.3	18.7	17.2	15.6	14.1
95°	50.6	50.6	50.2	49.9	49.5	49.2	48.2	46.3	44.6	42.9	41.1
97.5°	85.1	85.1	84.4	83.7	83.1	82.4	81.3	79.8	78.2	76.7	75.1
100°	109.1	109.1	108.6	108.1	107.5	107.0	106.0	104.6	103.2	101.8	100.4
102.5°	135.1	135.1	134.4	133.7	133.0	132.4	131.4	130.3	129.2	128.1	127.0
105°	174.3	173.9	173.6	173.3	172.9	172.5	172.1	171.6	171.0	170.5	170.0
107.5°	216.9	216.7	216.7	216.7	216.7	216.7	216.4	215.6	214.8	214.0	213.3
110°	245.9	245.9	245.9	245.9	245.9	245.9	245.3	244.3	243.2	242.2	241.1



TEST NUMBER: P331724-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	275.2	275.6	275.8	275.8	276.0	276.2	275.7	274.6	273.6	272.5	271.5
115°	319.2	319.4	319.7	320.1	320.4	320.8	320.4	319.4	318.3	317.3	316.2
117.5°	362.3	362.7	363.7	364.6	365.7	366.6	366.5	365.0	363.6	362.2	360.8
120°	390.5	390.5	392.0	393.3	394.7	396.2	396.2	394.7	393.3	392.0	390.5
122.5°	420.5	420.9	421.9	422.9	423.8	424.8	424.5	422.8	421.1	419.4	417.7
125°	464.3	464.9	465.4	465.9	466.4	467.0	466.4	464.9	463.3	461.7	460.1
127.5°	506.9	507.6	508.2	508.8	509.5	510.1	509.4	507.4	505.4	503.4	501.4
130°	535.7	536.0	536.4	536.7	537.0	537.4	536.5	534.2	531.9	529.6	527.3
132.5°	564.4	565.1	565.0	565.0	564.9	564.8	563.9	562.0	560.2	558.3	556.4
135°	605.4	605.5	605.2	604.8	604.5	604.2	603.0	601.1	599.1	597.2	595.3
137.5°	645.3	645.4	645.0	644.5	644.0	643.6	642.5	641.0	639.4	637.8	636.3
140°	672.0	672.0	671.1	670.2	669.3	668.4	667.3	665.7	664.1	662.5	660.9
142.5°	696.2	696.0	695.4	694.8	694.2	693.6	692.5	690.9	689.4	687.8	686.2
145°	733.0	732.8	731.8	730.7	729.7	728.6	727.5	726.3	725.0	723.8	722.5
147.5°	765.2	764.8	764.1	763.3	762.7	762.0	760.9	759.4	758.0	756.5	754.9
150°	785.5	785.1	784.3	783.6	782.9	782.2	781.3	780.3	779.2	778.2	777.1
152.5°	806.0	805.3	804.4	803.6	802.7	801.9	801.0	799.9	798.8	797.8	796.7
155°	831.8	830.8	830.4	829.8	829.3	828.8	828.2	827.8	827.2	826.6	826.2
157.5°	855.5	854.3	854.0	853.7	853.3	853.0	852.7	852.3	852.0	851.6	851.3
160°	869.9	868.8	868.6	868.5	868.3	868.2	867.8	867.5	867.1	866.8	866.5
162.5°	882.6	881.5	881.3	881.1	881.0	880.7	880.7	880.6	880.5	880.4	880.4
165°	899.3	898.1	898.1	898.1	898.1	898.1	898.2	898.3	898.5	898.7	898.9
167.5°	913.1	911.8	911.9	911.9	912.0	912.0	912.3	912.8	913.3	913.9	914.3
170°	920.7	919.4	919.6	919.8	920.0	920.1	920.4	921.0	921.5	922.0	922.6
172.5°	926.4	925.1	925.3	925.4	925.7	925.8	926.1	926.7	927.2	927.7	928.3
175°	932.5	931.3	931.6	932.0	932.3	932.7	933.1	933.7	934.1	934.7	935.3
177.5°	935.7	934.9	935.2	935.5	935.7	936.0	936.4	936.8	937.2	937.6	938.1
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331724-927
 CATALOG NUMBER: SA2XXRDIP-C865D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1521.5	1522.8	1531.2	1535.0	1542.6	1545.5	1548.9	1548.1	1548.1	1549.7	1561.5
5°	1524.8	1535.3	1551.1	1566.4	1581.0	1593.7	1602.1	1610.5	1613.7	1628.9	1642.6
7.5°	1519.3	1538.7	1564.8	1588.0	1615.9	1637.6	1655.7	1672.0	1683.1	1705.3	1728.1
10°	1512.2	1539.5	1569.0	1598.9	1637.3	1666.2	1695.7	1718.2	1725.6	1758.7	1777.7
12.5°	1497.9	1534.5	1571.9	1610.7	1648.2	1688.1	1720.5	1743.0	1768.9	1798.6	1833.6
15°	1476.5	1518.5	1567.4	1617.3	1671.0	1719.3	1754.0	1793.4	1821.8	1854.4	1884.8
17.5°	1445.7	1499.8	1561.9	1619.8	1681.8	1733.7	1781.5	1819.2	1839.2	1857.8	1862.3
20°	1421.3	1479.6	1552.7	1621.0	1683.1	1743.0	1790.3	1821.8	1827.1	1827.6	1799.8
22.5°	1394.8	1460.7	1537.2	1607.1	1681.3	1748.0	1784.8	1798.3	1777.4	1741.8	1687.9
25°	1346.1	1422.4	1511.2	1591.0	1672.0	1735.0	1747.7	1724.0	1651.0	1574.2	1477.0
27.5°	1293.3	1379.0	1474.3	1563.1	1649.3	1688.4	1661.2	1575.9	1444.3	1329.9	1191.3
30°	1254.7	1350.8	1444.4	1543.7	1623.7	1640.5	1577.9	1452.3	1298.8	1126.4	988.2
32.5°	1210.5	1311.3	1414.1	1516.9	1583.7	1567.3	1464.0	1309.3	1129.3	959.9	829.3
35°	1147.4	1251.5	1362.4	1465.5	1508.0	1437.0	1282.5	1081.2	897.2	739.0	649.1
37.5°	1074.6	1187.9	1303.2	1397.8	1394.8	1276.5	1066.0	858.3	703.6	610.1	546.1
40°	1022.9	1137.4	1262.0	1341.9	1307.7	1153.7	925.6	729.5	616.6	541.9	495.1
42.5°	973.3	1088.2	1212.0	1275.5	1216.1	1026.7	799.5	645.9	552.6	494.4	456.5
45°	888.8	1010.3	1124.8	1160.1	1053.8	845.2	646.5	535.1	473.1	429.9	403.7
47.5°	806.3	925.7	1030.3	1030.9	887.3	685.4	545.4	463.1	410.1	376.8	357.7
50°	755.8	869.3	957.1	943.5	780.5	609.7	487.7	416.8	372.6	346.9	326.9
52.5°	699.1	809.2	885.3	846.4	690.1	536.5	436.0	376.4	339.8	317.5	299.6
55°	616.6	714.3	767.9	709.1	562.9	446.2	368.4	321.7	294.4	275.4	260.2
57.5°	535.5	616.2	649.9	581.3	463.7	370.0	311.7	276.6	249.5	235.9	228.0
60°	484.7	553.5	577.1	501.5	403.1	323.8	275.9	243.4	223.4	214.4	206.6
62.5°	434.6	490.8	500.6	431.2	351.4	283.4	242.3	214.8	201.5	193.0	185.5
65°	360.6	401.1	396.3	340.6	278.1	225.0	195.0	178.2	168.2	156.1	143.0
67.5°	296.8	321.5	306.7	264.9	212.2	174.8	155.3	142.5	130.2	118.7	115.7
70°	256.5	270.7	254.9	216.6	174.0	146.6	130.9	115.7	108.3	105.7	100.9
72.5°	217.9	222.8	205.7	172.9	141.6	121.4	106.1	97.5	93.6	91.3	88.3
75°	163.5	159.8	145.0	119.3	98.3	84.6	79.9	76.8	74.1	72.0	70.4
77.5°	114.8	109.4	96.3	79.5	68.4	61.9	59.1	57.4	56.2	55.1	53.5
80°	86.2	82.5	69.4	56.8	52.0	48.9	47.3	45.2	45.2	44.1	42.5
82.5°	63.1	58.9	47.5	41.6	39.0	37.1	36.0	34.7	34.3	34.5	33.4
85°	33.1	26.8	23.7	22.6	21.0	20.0	20.5	19.4	19.4	19.4	18.9
87.5°	10.7	9.0	9.0	9.0	10.0	10.8	11.2	11.9	13.1	12.6	13.0
90°	2.9	5.0	7.1	9.2	12.2	16.1	20.0	23.8	27.6	27.3	26.9
92.5°	15.6	17.2	18.7	20.3	21.5	22.4	23.3	24.2	25.1	25.2	25.3
95°	42.9	44.6	46.3	48.2	49.2	49.5	49.9	50.2	50.6	50.6	50.6
97.5°	76.7	78.2	79.8	81.3	82.4	83.1	83.7	84.4	85.1	85.1	85.1
100°	101.8	103.2	104.6	106.0	107.0	107.5	108.1	108.6	109.1	109.1	109.1
102.5°	128.1	129.2	130.3	131.4	132.4	133.0	133.7	134.4	135.1	135.1	135.3
105°	170.5	171.0	171.6	172.1	172.5	172.9	173.3	173.6	173.9	174.3	174.6
107.5°	214.0	214.8	215.6	216.4	216.7	216.7	216.7	216.7	216.7	216.9	217.1
110°	242.2	243.2	244.3	245.3	245.9	245.9	245.9	245.9	245.9	245.9	245.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	272.5	273.6	274.6	275.7	276.2	276.0	275.8	275.8	275.6	275.2	274.7
115°	317.3	318.3	319.4	320.4	320.8	320.4	320.1	319.7	319.4	319.2	319.0
117.5°	362.2	363.6	365.0	366.5	366.6	365.7	364.6	363.7	362.7	362.3	361.9
120°	392.0	393.3	394.7	396.2	396.2	394.7	393.3	392.0	390.5	390.5	390.5
122.5°	419.4	421.1	422.8	424.5	424.8	423.8	422.9	421.9	420.9	420.5	420.0
125°	461.7	463.3	464.9	466.4	467.0	466.4	465.9	465.4	464.9	464.3	463.8
127.5°	503.4	505.4	507.4	509.4	510.1	509.5	508.8	508.2	507.6	506.9	506.3
130°	529.6	531.9	534.2	536.5	537.4	537.0	536.7	536.4	536.0	535.7	535.3
132.5°	558.3	560.2	562.0	563.9	564.8	564.9	565.0	565.0	565.1	564.4	563.6
135°	597.2	599.1	601.1	603.0	604.2	604.5	604.8	605.2	605.5	605.4	605.2
137.5°	637.8	639.4	641.0	642.5	643.6	644.0	644.5	645.0	645.4	645.3	645.2
140°	662.5	664.1	665.7	667.3	668.4	669.3	670.2	671.1	672.0	672.0	672.0
142.5°	687.8	689.4	690.9	692.5	693.6	694.2	694.8	695.4	696.0	696.2	696.3
145°	723.8	725.0	726.3	727.5	728.6	729.7	730.7	731.8	732.8	733.0	733.2
147.5°	756.5	758.0	759.4	760.9	762.0	762.7	763.3	764.1	764.8	765.2	765.6
150°	778.2	779.2	780.3	781.3	782.2	782.9	783.6	784.3	785.1	785.5	786.1
152.5°	797.8	798.8	799.9	801.0	801.9	802.7	803.6	804.4	805.3	806.0	806.6
155°	826.6	827.2	827.8	828.2	828.8	829.3	829.8	830.4	830.8	831.8	832.7
157.5°	851.6	852.0	852.3	852.7	853.0	853.3	853.7	854.0	854.3	855.5	856.7
160°	866.8	867.1	867.5	867.8	868.2	868.3	868.5	868.6	868.8	869.9	870.9
162.5°	880.4	880.5	880.6	880.7	880.7	881.0	881.1	881.3	881.5	882.6	883.8
165°	898.7	898.5	898.3	898.2	898.1	898.1	898.1	898.1	898.1	899.3	900.6
167.5°	913.9	913.3	912.8	912.3	912.0	912.0	911.9	911.9	911.8	913.1	914.3
170°	922.0	921.5	921.0	920.4	920.1	920.0	919.8	919.6	919.4	920.7	921.9
172.5°	927.7	927.2	926.7	926.1	925.8	925.7	925.4	925.3	925.1	926.4	927.6
175°	934.7	934.1	933.7	933.1	932.7	932.3	932.0	931.6	931.3	932.5	933.7
177.5°	937.6	937.2	936.8	936.4	936.0	935.7	935.5	935.2	934.9	935.7	936.6
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1565.7	1571.2	1573.7	1573.7	1576.7	1575.4	1574.1
5°	1655.7	1665.7	1667.8	1677.3	1684.1	1682.0	1683.1
7.5°	1745.2	1761.3	1777.1	1784.4	1785.5	1789.7	1791.3
10°	1800.2	1813.4	1838.1	1834.4	1852.8	1863.3	1845.9
12.5°	1853.2	1871.0	1888.2	1892.8	1903.3	1906.6	1899.8
15°	1901.2	1910.7	1911.7	1909.1	1912.2	1909.6	1899.6
17.5°	1856.4	1841.0	1809.9	1795.2	1783.5	1766.3	1759.4
20°	1782.4	1737.2	1684.6	1663.6	1638.9	1590.5	1602.1
22.5°	1622.6	1571.1	1518.5	1457.1	1427.8	1382.0	1379.2
25°	1374.0	1285.2	1187.4	1119.0	1079.1	1033.4	1013.4
27.5°	1068.3	956.4	876.3	835.8	798.8	762.6	761.1
30°	867.3	783.2	721.1	686.4	663.8	648.6	651.8
32.5°	731.0	673.4	631.6	602.8	586.1	574.6	574.4
35°	597.6	558.2	531.4	519.3	507.2	498.8	499.3
37.5°	511.4	487.7	472.9	459.5	451.9	447.8	445.5
40°	467.3	447.8	436.3	428.4	422.1	416.3	415.3
42.5°	432.4	416.3	404.7	398.5	392.6	388.6	387.5
45°	383.7	370.6	360.0	353.2	350.6	346.9	346.9
47.5°	341.4	328.4	320.2	315.9	311.4	309.0	308.9
50°	312.8	302.8	295.4	292.8	289.1	287.5	287.0
52.5°	287.1	279.6	274.4	272.6	271.0	269.0	269.3
55°	252.3	248.1	246.0	244.4	241.8	238.6	240.7
57.5°	223.0	219.4	213.7	208.7	206.4	204.1	205.0
60°	202.4	195.0	187.7	181.9	180.3	175.5	175.5
62.5°	176.3	166.0	156.9	153.7	152.1	149.9	149.5
65°	135.6	131.4	129.3	127.2	126.1	126.1	125.1
67.5°	112.4	110.7	108.4	107.9	106.8	106.5	106.2
70°	99.3	97.2	96.2	95.7	94.6	95.1	93.6
72.5°	86.7	85.1	84.8	83.5	82.9	82.9	81.8
75°	68.4	68.4	67.8	67.3	66.2	65.7	66.2
77.5°	52.6	52.7	51.7	51.7	51.5	51.7	51.1
80°	42.1	42.5	42.1	41.5	41.0	41.5	41.0
82.5°	33.2	32.5	32.4	32.2	32.2	31.8	31.8
85°	18.9	19.4	18.9	18.4	18.4	18.4	18.9
87.5°	12.4	12.4	12.4	12.4	12.4	12.5	12.1
90°	26.6	26.3	26.1	26.4	26.5	26.7	26.9
92.5°	25.3	25.4	25.5	25.5	25.5	25.6	25.6
95°	50.6	50.6	50.4	50.1	49.7	49.4	49.0
97.5°	85.1	85.1	85.1	85.0	85.0	84.9	84.9
100°	109.1	109.1	109.0	108.8	108.7	108.4	108.3
102.5°	135.5	135.6	135.5	135.4	135.2	135.1	134.9
105°	175.0	175.3	175.5	175.5	175.5	175.5	175.5
107.5°	217.2	217.3	217.0	216.2	215.4	214.6	213.7
110°	245.9	245.9	245.6	245.1	244.5	244.0	243.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	274.3	273.9	273.5	273.1	272.7	272.4	272.0
115°	318.9	318.7	318.3	317.8	317.3	316.7	316.2
117.5°	361.5	361.0	360.5	360.0	359.5	358.9	358.5
120°	390.5	390.5	390.3	389.8	389.2	388.7	388.2
122.5°	419.6	419.2	418.8	418.4	418.0	417.6	417.2
125°	463.3	462.7	462.4	462.2	462.0	461.8	461.7
127.5°	505.6	505.0	504.4	503.8	503.3	502.7	502.2
130°	535.0	534.6	534.1	533.4	532.7	532.0	531.2
132.5°	562.8	562.0	561.3	560.8	560.2	559.7	559.1
135°	605.1	604.8	604.5	604.0	603.5	602.9	602.4
137.5°	645.0	644.8	644.4	643.7	643.0	642.3	641.6
140°	672.0	672.0	671.6	670.9	670.2	669.6	668.8
142.5°	696.4	696.6	696.3	695.6	694.9	694.2	693.5
145°	733.4	733.6	733.3	732.6	731.9	731.2	730.5
147.5°	766.0	766.4	766.2	765.6	764.9	764.2	763.5
150°	786.6	787.1	787.1	786.6	786.1	785.5	785.1
152.5°	807.2	807.9	807.9	807.2	806.6	806.0	805.3
155°	833.5	834.4	834.6	834.0	833.5	833.0	832.4
157.5°	857.9	859.0	859.2	858.4	857.5	856.7	855.9
160°	872.0	873.1	873.2	872.5	871.8	871.1	870.4
162.5°	885.0	886.2	886.5	885.6	884.7	883.9	883.0
165°	901.7	903.0	903.2	902.3	901.4	900.6	899.7
167.5°	915.5	916.7	916.9	916.0	915.0	914.2	913.2
170°	923.1	924.3	924.4	923.4	922.3	921.2	920.2
172.5°	928.8	930.0	930.1	929.1	928.0	926.9	925.9
175°	934.9	936.2	936.3	935.3	934.1	933.1	932.1
177.5°	937.5	938.3	938.3	937.5	936.6	935.7	934.9
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8

(END OF REPORT)