

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: P331395-930

Luminaire Tested: **SA2XXDIP-C865D725U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331395-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C865D725U930-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

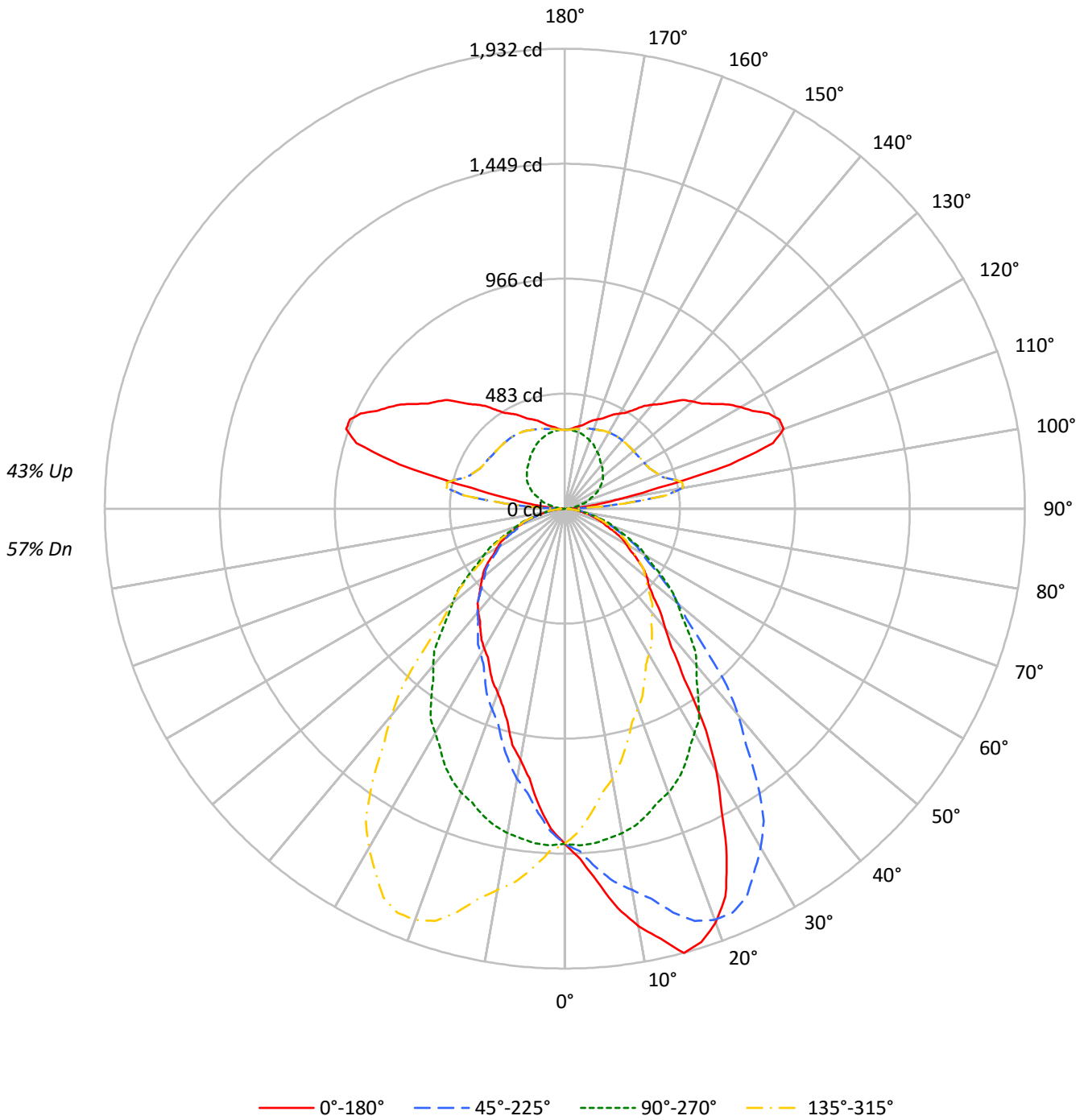
Lumens per Lamp: N/A
Luminaire Lumens: 5414.7 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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	75	75	75	63	63	63	57				57
1	100	96	92	89	93	89	86	83	78	75	73	67	65	63	56	55	54	49				49
2	91	84	78	73	85	79	74	69	69	65	61	59	56	54	50	48	47	42				42
3	84	75	68	62	78	70	64	59	61	56	52	53	49	46	45	42	40	36				36
4	77	66	59	53	72	62	56	50	55	49	45	47	43	40	41	38	35	32				32
5	71	60	52	46	66	56	49	44	49	44	39	43	39	35	37	34	31	28				28
6	66	54	46	40	61	51	43	38	45	39	35	39	34	31	34	30	28	25				25
7	61	49	41	35	57	46	39	34	41	35	31	36	31	28	31	27	25	22				22
8	57	44	37	32	53	42	35	30	37	32	28	33	28	25	29	25	22	20				20
9	53	41	33	28	49	38	32	27	34	29	25	30	26	23	27	23	20	18				18
10	49	37	30	26	46	35	29	25	32	26	23	28	24	21	25	21	19	17				17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22727	22727	22727	22727
5°	25480	22875	20272	22875
10°	29198	22689	17544	22689
15°	32301	22272	15499	22272
20°	31809	21825	14129	21825
25°	28682	21232	13261	21232
30°	23702	20282	12629	20282
35°	17274	19291	12177	19291
40°	13797	18120	11927	18120
45°	12056	16762	11586	16762
50°	11333	15450	11359	15450
55°	10446	14117	11054	14117
60°	9571	12700	10585	12700
65°	8722	11427	10128	11427
70°	7917	10192	9451	10192
75°	7018	8808	8372	8808
80°	6034	7290	6741	7290
85°	5409	5409	4001	5409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	2.5
10°-20°	389.7	7.2
20°-30°	565.6	10.4
30°-40°	596.9	11.0
40°-50°	528.5	9.8
50°-60°	421.7	7.8
60°-70°	286.7	5.3
70°-80°	147.0	2.7
80°-90°	38.4	0.7
90°-100°	132.5	2.4
100°-110°	449.7	8.3
110°-120°	477.7	8.8
120°-130°	393.2	7.3
130°-140°	315.8	5.8
140°-150°	238.6	4.4
150°-160°	167.7	3.1
160°-170°	98.7	1.8
170°-180°	32.1	0.6
0°-30°	1089.4	20.1
0°-40°	1686.3	31.1
0°-60°	2636.5	48.7
0°-90°	3108.5	57.4
90°-120°	1059.9	19.6
90°-150°	2007.6	37.1
90°-180°	2306.0	42.6
0°-180°	5414.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1408	1408	1408	1408	1408	
5°	1572	1411	1251	1411	1572	157
15°	1932	1332	927	1332	1932	533
25°	1610	1192	744	1192	1610	728
35°	876	979	618	979	876	570
45°	528	734	507	734	528	415
55°	371	502	393	502	371	333
65°	228	299	265	299	228	227
75°	112	141	134	141	112	120
85°	29	29	22	29	29	33
90°	21	1	21	1	21	13
95°	73	22	73	22	73	94
105°	718	78	718	78	718	695
115°	945	137	945	137	945	926
125°	767	191	767	191	767	693
135°	635	224	635	224	635	494
145°	507	256	507	256	507	322
155°	426	291	426	291	426	199
165°	374	317	374	317	374	107
175°	337	331	337	331	337	33
180°	331	331	331	331	331	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1472.6	1473.0	1473.9	1467.0	1466.1	1466.1	1460.0	1454.8	1448.8	1440.6	1441.4
5°	1572.1	1578.1	1580.2	1573.8	1564.0	1562.9	1553.7	1538.6	1524.5	1513.1	1505.0
7.5°	1690.9	1693.3	1688.0	1679.4	1672.2	1659.2	1642.1	1625.4	1601.9	1580.4	1564.3
10°	1780.9	1784.2	1775.0	1762.5	1752.2	1737.1	1712.2	1686.8	1656.0	1626.2	1602.4
12.5°	1849.3	1857.3	1845.5	1843.9	1826.3	1805.5	1775.9	1763.0	1719.6	1678.1	1652.6
15°	1932.4	1931.9	1933.0	1922.6	1909.7	1906.4	1875.1	1841.0	1779.9	1755.5	1713.4
17.5°	1908.4	1916.6	1920.4	1920.3	1919.9	1917.9	1907.9	1886.4	1855.7	1816.2	1767.5
20°	1851.3	1862.1	1863.7	1876.2	1883.2	1892.4	1896.1	1890.2	1871.3	1838.3	1796.1
22.5°	1763.0	1766.0	1771.1	1790.5	1805.7	1828.8	1840.8	1860.8	1853.5	1837.4	1802.1
25°	1610.0	1604.6	1623.5	1633.2	1668.4	1705.2	1731.7	1760.9	1786.9	1802.5	1792.3
27.5°	1426.3	1418.1	1446.5	1472.3	1500.9	1540.8	1582.1	1630.8	1671.4	1722.2	1739.6
30°	1271.3	1276.2	1303.3	1330.8	1374.1	1430.4	1476.9	1530.5	1588.4	1645.1	1684.7
32.5°	1104.2	1123.0	1140.1	1182.3	1220.5	1283.2	1351.4	1418.4	1490.5	1555.1	1616.2
35°	876.4	898.1	921.9	952.7	1006.2	1068.4	1135.0	1225.3	1323.8	1412.0	1484.5
37.5°	737.7	734.3	747.9	770.1	813.5	863.7	940.4	1029.6	1145.5	1249.1	1351.4
40°	654.6	652.4	662.2	682.7	715.8	752.5	819.6	898.1	1005.7	1132.3	1254.0
42.5°	597.5	598.8	604.1	618.6	641.3	671.6	721.8	788.6	887.1	1006.3	1137.2
45°	528.0	531.8	537.8	544.8	557.7	582.6	610.7	658.4	736.3	835.8	964.6
47.5°	478.0	478.1	484.2	490.3	498.1	512.1	535.0	564.9	619.9	700.9	811.6
50°	451.2	447.4	451.8	456.6	464.7	474.4	489.6	517.7	554.5	620.0	712.5
52.5°	418.3	418.4	422.3	424.1	431.4	441.2	454.9	474.4	507.8	559.0	635.0
55°	371.1	373.8	376.0	379.2	385.7	392.7	403.6	416.5	442.5	480.9	537.2
57.5°	326.8	327.6	329.8	336.0	340.1	346.6	356.9	368.6	385.5	413.9	456.2
60°	296.4	296.4	300.8	303.5	308.9	315.4	323.5	334.8	350.0	373.2	407.4
62.5°	268.8	268.3	270.0	274.5	278.6	284.7	292.8	302.4	316.7	337.4	365.4
65°	228.3	227.2	230.5	231.5	235.9	241.8	248.3	258.6	269.9	285.1	310.0
67.5°	189.3	190.6	192.4	194.4	196.8	203.1	207.4	214.7	224.3	236.8	253.7
70°	167.7	167.7	167.7	169.3	172.6	175.9	180.2	186.1	195.3	206.1	221.3
72.5°	143.5	145.2	146.9	145.9	150.1	152.1	157.2	160.5	169.3	176.3	189.6
75°	112.5	112.5	112.5	115.2	116.8	118.5	121.7	125.0	129.3	137.9	145.0
77.5°	84.0	83.7	84.3	85.0	86.7	88.6	89.6	92.5	96.5	100.5	106.5
80°	64.9	66.0	66.5	67.6	67.6	68.7	69.2	73.1	75.7	78.4	82.3
82.5°	50.2	50.4	50.5	50.7	51.2	51.9	53.2	54.5	55.4	57.6	60.6
85°	29.2	28.7	28.7	29.8	29.2	29.2	30.3	31.4	31.4	31.9	33.5
87.5°	15.5	15.5	15.9	15.5	15.5	15.7	15.5	15.3	15.9	16.5	16.8
90°	21.0	21.0	21.0	21.0	21.0	20.4	19.2	20.4	21.0	21.7	21.0
92.5°	35.3	36.4	35.8	37.8	38.4	42.3	47.7	55.6	70.0	82.8	81.7
95°	72.6	72.0	73.9	79.0	87.3	101.3	128.1	167.0	218.6	249.8	221.2
97.5°	143.0	148.4	157.7	173.3	203.8	249.8	318.8	389.6	447.4	426.5	321.2
100°	228.1	239.6	258.1	285.5	338.4	415.6	502.9	581.9	595.3	503.4	346.7
102.5°	401.5	417.0	440.1	486.9	544.4	626.1	690.0	707.8	650.3	506.1	337.0
105°	718.3	727.2	754.6	794.1	833.6	854.7	846.4	774.4	641.8	472.2	318.0
107.5°	917.5	929.4	934.8	937.0	932.1	901.2	834.9	726.4	585.8	436.0	308.6
110°	977.6	978.3	972.6	960.4	933.0	880.8	799.2	685.1	550.7	418.7	306.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	976.6	973.2	962.4	942.1	904.0	844.1	756.8	647.4	526.2	407.5	307.0
115°	945.2	939.4	922.8	893.5	848.2	782.6	699.1	601.0	495.9	395.2	309.7
117.5°	888.9	884.1	866.7	835.7	789.5	728.0	652.2	566.1	476.7	389.1	314.3
120°	852.7	846.4	827.9	797.9	753.3	695.3	627.8	548.7	466.5	385.6	317.4
122.5°	815.0	809.7	793.2	763.8	723.7	671.3	607.4	535.0	457.9	383.5	321.0
125°	766.7	761.6	745.7	721.5	684.4	636.7	580.6	514.9	445.5	379.8	326.3
127.5°	724.4	720.3	706.5	683.9	651.6	607.5	554.6	495.2	434.0	377.6	331.8
130°	700.4	695.3	682.6	660.9	629.7	587.6	537.3	482.4	426.4	376.7	335.9
132.5°	675.4	670.8	659.1	637.5	606.7	567.2	521.0	470.2	420.3	376.2	340.0
135°	635.4	632.8	621.4	600.4	572.9	537.3	495.2	453.1	411.7	375.4	344.8
137.5°	596.1	592.3	582.3	564.2	539.2	508.1	474.7	439.5	405.7	375.3	349.1
140°	569.2	565.3	555.7	539.2	518.8	490.7	461.5	430.8	402.2	374.7	351.1
142.5°	542.1	541.4	532.8	517.8	498.4	474.9	449.7	423.7	398.6	374.7	352.7
145°	507.3	505.4	499.0	488.2	472.9	454.4	434.6	413.6	393.9	373.5	354.3
147.5°	478.1	477.0	472.6	464.0	451.3	437.8	422.4	405.9	389.1	371.2	354.9
150°	460.8	460.2	456.3	448.7	439.1	427.6	414.3	400.2	384.9	369.7	354.3
152.5°	446.0	445.9	443.0	436.4	428.9	419.0	407.6	394.6	381.4	367.1	353.4
155°	426.4	427.6	425.1	420.6	413.6	406.6	397.1	386.9	374.7	362.6	351.8
157.5°	409.7	409.7	408.5	404.8	399.8	394.4	386.4	377.8	368.5	358.1	348.9
160°	398.9	398.9	398.4	395.2	390.7	386.2	379.2	372.2	363.9	355.0	347.3
162.5°	388.7	389.3	388.7	386.5	382.0	378.5	372.6	366.6	359.8	352.5	345.8
165°	374.1	374.7	374.7	372.2	369.7	367.1	362.6	358.2	353.1	347.3	342.9
167.5°	360.6	361.3	361.5	360.1	359.0	356.6	353.6	350.2	346.4	342.9	340.0
170°	352.5	353.7	354.3	352.5	351.8	350.5	348.0	346.1	342.9	340.3	338.4
172.5°	345.8	346.6	347.2	346.3	345.7	345.0	342.9	341.4	339.3	337.3	336.4
175°	337.1	338.4	339.1	338.4	338.4	337.8	337.1	336.5	334.6	333.9	333.3
177.5°	331.9	333.0	333.5	333.5	333.5	333.5	333.0	333.0	331.9	331.4	331.9
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1444.5	1441.0	1438.8	1431.0	1424.1	1417.2	1415.0	1415.8	1406.4	1397.3	1393.3
5°	1500.7	1489.9	1479.6	1465.0	1447.7	1428.7	1419.0	1411.4	1392.5	1372.0	1360.1
7.5°	1551.1	1535.6	1515.9	1488.4	1463.1	1433.4	1414.5	1397.7	1370.0	1341.0	1323.2
10°	1581.8	1560.7	1535.3	1501.8	1471.0	1434.7	1409.2	1383.9	1351.4	1316.8	1295.1
12.5°	1608.3	1579.8	1554.8	1511.7	1475.3	1430.0	1399.8	1363.9	1329.8	1288.7	1267.5
15°	1671.1	1618.6	1571.0	1522.3	1477.4	1414.1	1380.6	1332.4	1287.5	1236.7	1212.4
17.5°	1719.7	1660.8	1585.8	1523.9	1471.5	1401.4	1352.2	1294.5	1241.4	1183.2	1150.1
20°	1747.4	1679.8	1599.1	1525.6	1462.8	1382.7	1329.2	1270.2	1208.0	1142.6	1106.9
22.5°	1763.8	1692.7	1613.0	1519.1	1445.5	1367.6	1300.2	1235.6	1172.6	1101.9	1064.5
25°	1769.0	1704.1	1619.8	1513.7	1423.9	1335.7	1254.6	1191.8	1115.5	1049.5	994.9
27.5°	1743.3	1696.7	1615.6	1503.5	1398.9	1295.8	1205.3	1134.2	1053.8	982.1	927.2
30°	1711.7	1684.7	1605.7	1493.1	1379.0	1268.1	1168.6	1087.9	1007.9	935.4	879.1
32.5°	1662.8	1656.9	1587.5	1478.4	1357.8	1233.1	1130.0	1048.6	959.9	888.6	834.9
35°	1566.7	1592.7	1548.8	1445.5	1317.8	1183.2	1071.7	978.7	886.7	818.5	768.2
37.5°	1437.9	1502.4	1490.9	1397.3	1264.0	1128.9	1005.8	908.6	820.9	752.1	702.7
40°	1349.2	1431.4	1443.3	1360.6	1225.9	1086.9	956.5	859.7	774.1	711.4	661.6
42.5°	1254.0	1350.1	1382.7	1316.5	1184.3	1042.7	912.3	812.0	727.4	666.4	622.2
45°	1094.5	1221.6	1280.5	1242.7	1115.0	970.0	835.8	734.1	657.3	600.0	565.9
47.5°	945.2	1084.1	1163.4	1150.1	1037.8	894.2	761.6	664.0	589.2	543.5	513.0
50°	839.6	982.4	1078.2	1082.6	982.4	840.2	707.1	615.1	546.4	503.7	478.7
52.5°	747.9	884.2	988.6	1011.5	920.6	783.9	658.2	566.6	506.1	466.8	444.6
55°	628.1	743.3	859.1	901.3	828.3	698.4	582.1	501.5	444.7	417.7	398.2
57.5°	522.2	618.2	725.1	771.8	726.8	615.6	506.5	436.6	390.4	366.8	351.9
60°	466.4	542.1	637.3	693.0	654.0	555.1	459.8	393.3	355.5	334.4	320.2
62.5°	414.4	481.5	562.0	612.9	591.7	498.4	413.1	354.3	321.6	301.9	291.7
65°	341.9	394.9	457.1	504.2	490.2	419.2	349.5	299.1	273.2	257.5	249.4
67.5°	281.5	319.8	363.0	404.2	392.9	342.7	286.6	247.4	228.1	214.6	209.7
70°	243.4	272.6	311.0	344.1	334.8	293.8	249.4	215.9	199.1	187.8	182.9
72.5°	207.1	231.1	260.4	287.4	281.2	247.0	210.0	184.7	171.8	161.3	157.4
75°	156.4	174.7	192.6	210.4	208.8	182.3	160.7	141.2	130.9	122.8	121.2
77.5°	115.4	125.7	137.9	148.5	145.5	130.4	113.4	102.2	94.7	89.3	88.4
80°	88.2	94.2	102.8	110.4	106.6	100.1	86.6	78.4	73.1	67.6	65.5
82.5°	63.9	69.9	75.1	79.2	76.3	70.2	61.9	56.3	53.2	49.4	48.6
85°	33.5	36.8	39.0	40.0	39.0	35.1	31.4	29.2	26.5	24.9	24.4
87.5°	16.4	15.6	14.9	15.4	13.9	13.5	11.3	9.6	9.6	9.7	9.0
90°	17.2	12.7	9.5	7.7	6.4	5.1	2.5	0.7	2.5	5.1	6.4
92.5°	63.6	43.4	28.9	22.9	18.6	15.8	11.3	7.7	11.3	15.8	18.6
95°	147.2	91.8	62.5	47.1	36.9	31.2	24.9	22.3	24.9	31.2	36.9
97.5°	198.4	121.1	84.2	66.9	55.2	46.6	39.8	36.4	39.8	46.6	55.2
100°	209.0	131.3	97.5	79.7	66.9	56.7	51.0	49.1	51.0	56.7	66.9
102.5°	209.5	140.5	109.3	91.4	78.1	67.9	62.2	60.8	62.2	67.9	78.1
105°	212.9	156.1	126.2	108.4	94.3	84.8	80.3	77.8	80.3	84.8	94.3
107.5°	221.7	172.2	143.2	125.1	111.3	102.5	98.2	96.1	98.2	102.5	111.3
110°	228.8	182.9	154.9	136.4	123.0	114.7	110.9	108.4	110.9	114.7	123.0



TEST NUMBER: P331395-930

CATALOG NUMBER: SA2XXDIP-C865D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	236.4	193.1	166.1	147.1	134.2	126.5	122.1	119.5	122.1	126.5	134.2
115°	247.9	209.0	181.6	164.4	151.6	144.1	140.2	137.1	140.2	144.1	151.6
117.5°	260.2	223.7	198.4	180.5	168.3	161.5	157.7	155.2	157.7	161.5	168.3
120°	268.3	233.9	209.0	191.2	178.5	172.7	168.9	166.3	168.9	172.7	178.5
122.5°	275.5	243.6	220.3	201.9	189.1	182.9	179.1	177.1	179.1	182.9	189.1
125°	286.8	258.1	235.1	217.4	204.6	196.9	193.1	191.2	193.1	196.9	204.6
127.5°	297.3	271.7	249.3	231.0	218.7	210.3	205.0	202.4	205.0	210.3	218.7
130°	304.0	279.8	257.5	239.6	226.9	217.9	211.6	209.0	211.6	217.9	226.9
132.5°	310.6	286.9	265.6	247.8	234.6	225.1	218.3	215.2	218.3	225.1	234.6
135°	319.3	297.0	276.6	258.8	244.1	234.6	226.9	224.4	226.9	234.6	244.1
137.5°	326.0	305.2	285.0	268.5	253.9	243.7	236.0	233.0	236.0	243.7	253.9
140°	329.5	309.7	290.7	274.0	260.0	249.8	242.1	239.6	242.1	249.8	260.0
142.5°	332.6	313.3	294.7	279.2	265.6	255.4	248.3	246.2	248.3	255.4	265.6
145°	336.5	318.7	301.4	287.4	274.7	265.1	258.8	256.2	258.8	265.1	274.7
147.5°	338.7	323.0	306.8	294.3	283.7	274.9	268.8	266.9	268.8	274.9	283.7
150°	339.7	325.1	310.4	298.9	289.3	281.0	276.0	274.0	276.0	281.0	289.3
152.5°	340.2	327.1	314.0	303.5	294.4	287.1	282.1	281.2	282.1	287.1	294.4
155°	341.0	330.1	319.3	309.7	302.7	295.7	291.9	291.2	291.9	295.7	302.7
157.5°	341.0	332.3	323.1	315.1	309.5	303.4	300.3	299.7	300.3	303.4	309.5
160°	341.0	333.3	325.6	318.7	313.6	308.4	305.9	305.2	305.9	308.4	313.6
162.5°	340.5	333.9	327.2	321.7	317.2	313.1	310.5	310.9	310.5	313.1	317.2
165°	339.1	334.6	328.9	325.1	321.9	318.0	316.7	317.4	316.7	318.0	321.9
167.5°	338.2	334.4	330.3	327.8	325.5	323.1	322.0	322.8	322.0	323.1	325.5
170°	337.1	333.9	330.8	328.9	327.6	325.6	325.1	326.3	325.1	325.6	327.6
172.5°	335.6	333.5	331.3	329.9	329.1	327.2	327.6	328.3	327.6	327.2	329.1
175°	333.9	332.6	331.4	330.8	330.8	329.5	330.1	330.8	330.1	329.5	330.8
177.5°	333.0	331.9	331.4	331.4	331.4	330.4	330.9	331.9	330.9	330.4	331.4
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331395-930

CATALOG NUMBER: SA2XXDIP-C865D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1389.0	1386.4	1377.4	1372.6	1364.8	1357.5	1352.7	1354.9	1356.6	1355.7	1354.5
5°	1349.2	1339.0	1323.2	1309.7	1300.0	1282.1	1274.6	1270.8	1267.5	1263.7	1260.0
7.5°	1301.9	1285.6	1263.1	1243.8	1225.6	1203.5	1190.8	1183.2	1175.5	1166.9	1159.4
10°	1268.1	1245.4	1221.6	1194.5	1172.9	1152.8	1135.0	1123.1	1112.3	1102.0	1094.5
12.5°	1232.6	1206.4	1177.0	1140.0	1116.1	1087.5	1084.8	1063.8	1046.9	1040.6	1031.7
15°	1176.2	1139.3	1102.0	1058.2	1039.3	1013.3	997.0	980.8	966.2	955.9	953.2
17.5°	1112.0	1064.4	1027.2	995.7	964.7	938.1	923.2	910.2	898.1	884.4	882.6
20°	1063.1	1021.9	981.4	953.7	921.9	894.8	876.4	863.4	853.1	845.1	838.0
22.5°	1016.8	971.8	934.6	904.4	872.9	851.1	836.6	824.0	815.5	806.5	799.9
25°	942.4	907.3	866.7	832.6	806.6	792.6	780.6	769.8	764.4	758.5	750.9
27.5°	877.3	838.3	800.4	774.0	751.1	738.7	730.3	722.8	717.8	714.3	710.0
30°	831.5	792.0	762.2	736.3	717.4	704.9	699.5	695.2	689.3	687.1	684.9
32.5°	787.3	751.8	726.4	703.8	685.7	677.7	672.7	668.8	664.1	661.9	657.6
35°	725.0	695.2	670.3	657.9	643.3	636.2	632.4	627.0	622.6	620.5	620.0
37.5°	666.2	640.3	623.9	608.0	601.8	597.5	592.3	588.6	587.3	586.9	586.4
40°	628.1	607.0	592.4	579.4	576.7	570.2	565.9	562.6	562.6	563.2	562.6
42.5°	593.5	574.5	561.7	550.4	547.2	543.4	539.1	538.8	539.7	541.5	539.7
45°	541.0	527.5	518.3	512.8	506.9	503.1	502.6	504.2	504.8	505.3	506.9
47.5°	492.8	483.7	475.4	469.4	466.8	466.2	465.5	468.4	471.0	472.0	474.4
50°	464.1	453.9	446.9	443.0	440.9	439.9	440.9	444.2	446.3	449.0	450.6
52.5°	432.1	424.9	420.0	417.1	416.2	416.9	417.1	420.8	424.3	425.2	426.0
55°	387.9	382.5	381.4	376.5	378.7	378.1	380.8	383.0	386.3	389.6	390.0
57.5°	343.7	339.4	336.5	337.0	337.6	340.0	342.3	346.0	349.5	352.9	353.3
60°	314.3	312.2	310.5	310.5	311.6	314.9	317.6	321.3	323.5	325.7	327.3
62.5°	287.5	285.4	283.7	284.5	287.4	289.3	292.4	294.5	296.7	298.8	299.6
65°	245.1	244.0	245.6	246.7	247.2	250.0	253.7	255.4	257.5	258.6	262.4
67.5°	206.0	206.2	206.0	207.5	210.7	211.3	214.9	218.7	219.1	221.2	223.6
70°	179.6	180.7	181.8	182.9	185.6	186.6	189.3	190.9	193.1	194.8	196.4
72.5°	155.4	155.6	156.7	156.5	158.7	161.1	163.4	165.0	167.1	169.3	170.8
75°	119.5	119.5	120.7	121.2	123.9	126.6	126.0	127.1	129.3	131.4	132.6
77.5°	87.3	86.1	87.3	87.9	88.7	91.0	91.4	92.9	95.4	94.7	95.9
80°	66.5	64.9	66.5	67.1	67.1	69.8	69.8	70.8	72.5	70.8	72.5
82.5°	47.5	46.7	47.9	48.0	48.9	49.0	49.9	50.1	51.7	51.0	51.7
85°	23.8	23.2	23.8	23.2	23.8	24.4	24.4	23.8	23.8	24.9	23.2
87.5°	8.9	8.8	9.0	9.9	10.3	9.9	9.4	9.3	9.0	8.4	8.6
90°	7.7	9.5	12.7	17.2	21.0	21.7	21.0	20.4	19.2	20.4	21.0
92.5°	22.9	28.9	43.4	63.6	81.7	82.8	70.0	55.6	47.7	42.3	38.4
95°	47.1	62.5	91.8	147.2	221.2	249.8	218.6	167.0	128.1	101.3	87.3
97.5°	66.9	84.2	121.1	198.4	321.2	426.5	447.4	389.6	318.8	249.8	203.8
100°	79.7	97.5	131.3	209.0	346.7	503.4	595.3	581.9	502.9	415.6	338.4
102.5°	91.4	109.3	140.5	209.5	337.0	506.1	650.3	707.8	690.0	626.1	544.4
105°	108.4	126.2	156.1	212.9	318.0	472.2	641.8	774.4	846.4	854.7	833.6
107.5°	125.1	143.2	172.2	221.7	308.6	436.0	585.8	726.4	834.9	901.2	932.1
110°	136.4	154.9	182.9	228.8	306.6	418.7	550.7	685.1	799.2	880.8	933.0



TEST NUMBER: P331395-930

CATALOG NUMBER: SA2XXDIP-C865D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	147.1	166.1	193.1	236.4	307.0	407.5	526.2	647.4	756.8	844.1	904.0
115°	164.4	181.6	209.0	247.9	309.7	395.2	495.9	601.0	699.1	782.6	848.2
117.5°	180.5	198.4	223.7	260.2	314.3	389.1	476.7	566.1	652.2	728.0	789.5
120°	191.2	209.0	233.9	268.3	317.4	385.6	466.5	548.7	627.8	695.3	753.3
122.5°	201.9	220.3	243.6	275.5	321.0	383.5	457.9	535.0	607.4	671.3	723.7
125°	217.4	235.1	258.1	286.8	326.3	379.8	445.5	514.9	580.6	636.7	684.4
127.5°	231.0	249.3	271.7	297.3	331.8	377.6	434.0	495.2	554.6	607.5	651.6
130°	239.6	257.5	279.8	304.0	335.9	376.7	426.4	482.4	537.3	587.6	629.7
132.5°	247.8	265.6	286.9	310.6	340.0	376.2	420.3	470.2	521.0	567.2	606.7
135°	258.8	276.6	297.0	319.3	344.8	375.4	411.7	453.1	495.2	537.3	572.9
137.5°	268.5	285.0	305.2	326.0	349.1	375.3	405.7	439.5	474.7	508.1	539.2
140°	274.0	290.7	309.7	329.5	351.1	374.7	402.2	430.8	461.5	490.7	518.8
142.5°	279.2	294.7	313.3	332.6	352.7	374.7	398.6	423.7	449.7	474.9	498.4
145°	287.4	301.4	318.7	336.5	354.3	373.5	393.9	413.6	434.6	454.4	472.9
147.5°	294.3	306.8	323.0	338.7	354.9	371.2	389.1	405.9	422.4	437.8	451.3
150°	298.9	310.4	325.1	339.7	354.3	369.7	384.9	400.2	414.3	427.6	439.1
152.5°	303.5	314.0	327.1	340.2	353.4	367.1	381.4	394.6	407.6	419.0	428.9
155°	309.7	319.3	330.1	341.0	351.8	362.6	374.7	386.9	397.1	406.6	413.6
157.5°	315.1	323.1	332.3	341.0	348.9	358.1	368.5	377.8	386.4	394.4	399.8
160°	318.7	325.6	333.3	341.0	347.3	355.0	363.9	372.2	379.2	386.2	390.7
162.5°	321.7	327.2	333.9	340.5	345.8	352.5	359.8	366.6	372.6	378.5	382.0
165°	325.1	328.9	334.6	339.1	342.9	347.3	353.1	358.2	362.6	367.1	369.7
167.5°	327.8	330.3	334.4	338.2	340.0	342.9	346.4	350.2	353.6	356.6	359.0
170°	328.9	330.8	333.9	337.1	338.4	340.3	342.9	346.1	348.0	350.5	351.8
172.5°	329.9	331.3	333.5	335.6	336.4	337.3	339.3	341.4	342.9	345.0	345.7
175°	330.8	331.4	332.6	333.9	333.3	333.9	334.6	336.5	337.1	337.8	338.4
177.5°	331.4	331.4	331.9	333.0	331.9	331.4	331.9	333.0	333.0	333.5	333.5
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331395-930
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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1350.1	1349.2	1349.2	1345.3	1349.2	1349.2	1350.1	1354.5	1355.7	1356.6	1354.9
5°	1252.4	1250.8	1248.1	1250.8	1248.1	1250.8	1252.4	1260.0	1263.7	1267.5	1270.8
7.5°	1155.8	1149.2	1148.3	1141.9	1148.3	1149.2	1155.8	1159.4	1166.9	1175.5	1183.2
10°	1085.2	1080.9	1080.4	1070.1	1080.4	1080.9	1085.2	1094.5	1102.0	1112.3	1123.1
12.5°	1031.6	1021.2	1023.2	1017.2	1023.2	1021.2	1031.6	1031.7	1040.6	1046.9	1063.8
15°	938.7	938.7	936.5	927.2	936.5	938.7	938.7	953.2	955.9	966.2	980.8
17.5°	871.9	870.7	865.6	868.2	865.6	870.7	871.9	882.6	884.4	898.1	910.2
20°	832.0	828.8	822.3	822.3	822.3	828.8	832.0	838.0	845.1	853.1	863.4
22.5°	794.4	794.2	787.3	789.4	787.3	794.2	794.4	799.9	806.5	815.5	824.0
25°	750.3	746.0	742.8	744.4	742.8	746.0	750.3	750.9	758.5	764.4	769.8
27.5°	708.6	706.2	706.0	701.6	706.0	706.2	708.6	710.0	714.3	717.8	722.8
30°	684.4	679.0	680.0	677.4	680.0	679.0	684.4	684.9	687.1	689.3	695.2
32.5°	656.6	654.7	653.6	651.3	653.6	654.7	656.6	657.6	661.9	664.1	668.8
35°	618.9	619.5	616.7	617.8	616.7	619.5	618.9	620.0	620.5	622.6	627.0
37.5°	585.9	587.6	586.4	586.7	586.4	587.6	585.9	586.4	586.9	587.3	588.6
40°	564.3	564.3	564.3	565.9	564.3	564.3	564.3	562.6	563.2	562.6	562.6
42.5°	543.5	542.6	541.8	541.6	541.8	542.6	543.5	539.7	541.5	539.7	538.8
45°	508.0	509.6	510.1	507.4	510.1	509.6	508.0	506.9	505.3	504.8	504.2
47.5°	475.9	476.1	475.9	478.3	475.9	476.1	475.9	474.4	472.0	471.0	468.4
50°	453.4	452.2	453.4	452.2	453.4	452.2	453.4	450.6	449.0	446.3	444.2
52.5°	429.6	429.7	429.1	428.9	429.1	429.7	429.6	426.0	425.2	424.3	420.8
55°	392.2	393.3	392.7	392.7	392.7	393.3	392.2	390.0	389.6	386.3	383.0
57.5°	353.6	354.6	355.3	352.9	355.3	354.6	353.6	353.3	352.9	349.5	346.0
60°	326.8	329.5	328.9	327.8	328.9	329.5	326.8	327.3	325.7	323.5	321.3
62.5°	302.1	303.0	303.0	302.7	303.0	303.0	302.1	299.6	298.8	296.7	294.5
65°	264.0	265.1	263.4	265.1	263.4	265.1	264.0	262.4	258.6	257.5	255.4
67.5°	223.0	223.3	224.5	225.3	224.5	223.3	223.0	223.6	221.2	219.1	218.7
70°	197.5	196.9	198.5	200.2	198.5	196.9	197.5	196.4	194.8	193.1	190.9
72.5°	170.6	171.8	171.3	172.4	171.3	171.8	170.6	170.8	169.3	167.1	165.0
75°	131.4	133.1	132.6	134.2	132.6	133.1	131.4	132.6	131.4	129.3	127.1
77.5°	95.0	95.2	95.0	95.9	95.0	95.2	95.0	95.9	94.7	95.4	92.9
80°	72.5	71.4	70.4	72.5	70.4	71.4	72.5	72.5	70.8	72.5	70.8
82.5°	50.4	51.0	50.0	50.0	50.0	51.0	50.4	51.7	51.0	51.7	50.1
85°	23.2	22.7	21.6	21.6	21.6	22.7	23.2	23.2	24.9	23.8	23.8
87.5°	8.6	8.1	8.1	7.7	8.1	8.1	8.6	8.6	8.4	9.0	9.3
90°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.4	19.2	20.4
92.5°	37.8	35.8	36.4	35.3	36.4	35.8	37.8	38.4	42.3	47.7	55.6
95°	79.0	73.9	72.0	72.6	72.0	73.9	79.0	87.3	101.3	128.1	167.0
97.5°	173.3	157.7	148.4	143.0	148.4	157.7	173.3	203.8	249.8	318.8	389.6
100°	285.5	258.1	239.6	228.1	239.6	258.1	285.5	338.4	415.6	502.9	581.9
102.5°	486.9	440.1	417.0	401.5	417.0	440.1	486.9	544.4	626.1	690.0	707.8
105°	794.1	754.6	727.2	718.3	727.2	754.6	794.1	833.6	854.7	846.4	774.4
107.5°	937.0	934.8	929.4	917.5	929.4	934.8	937.0	932.1	901.2	834.9	726.4
110°	960.4	972.6	978.3	977.6	978.3	972.6	960.4	933.0	880.8	799.2	685.1



TEST NUMBER: P331395-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	942.1	962.4	973.2	976.6	973.2	962.4	942.1	904.0	844.1	756.8	647.4
115°	893.5	922.8	939.4	945.2	939.4	922.8	893.5	848.2	782.6	699.1	601.0
117.5°	835.7	866.7	884.1	888.9	884.1	866.7	835.7	789.5	728.0	652.2	566.1
120°	797.9	827.9	846.4	852.7	846.4	827.9	797.9	753.3	695.3	627.8	548.7
122.5°	763.8	793.2	809.7	815.0	809.7	793.2	763.8	723.7	671.3	607.4	535.0
125°	721.5	745.7	761.6	766.7	761.6	745.7	721.5	684.4	636.7	580.6	514.9
127.5°	683.9	706.5	720.3	724.4	720.3	706.5	683.9	651.6	607.5	554.6	495.2
130°	660.9	682.6	695.3	700.4	695.3	682.6	660.9	629.7	587.6	537.3	482.4
132.5°	637.5	659.1	670.8	675.4	670.8	659.1	637.5	606.7	567.2	521.0	470.2
135°	600.4	621.4	632.8	635.4	632.8	621.4	600.4	572.9	537.3	495.2	453.1
137.5°	564.2	582.3	592.3	596.1	592.3	582.3	564.2	539.2	508.1	474.7	439.5
140°	539.2	555.7	565.3	569.2	565.3	555.7	539.2	518.8	490.7	461.5	430.8
142.5°	517.8	532.8	541.4	542.1	541.4	532.8	517.8	498.4	474.9	449.7	423.7
145°	488.2	499.0	505.4	507.3	505.4	499.0	488.2	472.9	454.4	434.6	413.6
147.5°	464.0	472.6	477.0	478.1	477.0	472.6	464.0	451.3	437.8	422.4	405.9
150°	448.7	456.3	460.2	460.8	460.2	456.3	448.7	439.1	427.6	414.3	400.2
152.5°	436.4	443.0	445.9	446.0	445.9	443.0	436.4	428.9	419.0	407.6	394.6
155°	420.6	425.1	427.6	426.4	427.6	425.1	420.6	413.6	406.6	397.1	386.9
157.5°	404.8	408.5	409.7	409.7	409.7	408.5	404.8	399.8	394.4	386.4	377.8
160°	395.2	398.4	398.9	398.9	398.9	398.4	395.2	390.7	386.2	379.2	372.2
162.5°	386.5	388.7	389.3	388.7	389.3	388.7	386.5	382.0	378.5	372.6	366.6
165°	372.2	374.7	374.7	374.1	374.7	374.7	372.2	369.7	367.1	362.6	358.2
167.5°	360.1	361.5	361.3	360.6	361.3	361.5	360.1	359.0	356.6	353.6	350.2
170°	352.5	354.3	353.7	352.5	353.7	354.3	352.5	351.8	350.5	348.0	346.1
172.5°	346.3	347.2	346.6	345.8	346.6	347.2	346.3	345.7	345.0	342.9	341.4
175°	338.4	339.1	338.4	337.1	338.4	339.1	338.4	338.4	337.8	337.1	336.5
177.5°	333.5	333.5	333.0	331.9	333.0	333.5	333.5	333.5	333.5	333.0	333.0
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331395-930

CATALOG NUMBER: SA2XXDIP-C865D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1352.7	1357.5	1364.8	1372.6	1377.4	1386.4	1389.0	1393.3	1397.3	1406.4	1415.8
5°	1274.6	1282.1	1300.0	1309.7	1323.2	1339.0	1349.2	1360.1	1372.0	1392.5	1411.4
7.5°	1190.8	1203.5	1225.6	1243.8	1263.1	1285.6	1301.9	1323.2	1341.0	1370.0	1397.7
10°	1135.0	1152.8	1172.9	1194.5	1221.6	1245.4	1268.1	1295.1	1316.8	1351.4	1383.9
12.5°	1084.8	1087.5	1116.1	1140.0	1177.0	1206.4	1232.6	1267.5	1288.7	1329.8	1363.9
15°	997.0	1013.3	1039.3	1058.2	1102.0	1139.3	1176.2	1212.4	1236.7	1287.5	1332.4
17.5°	923.2	938.1	964.7	995.7	1027.2	1064.4	1112.0	1150.1	1183.2	1241.4	1294.5
20°	876.4	894.8	921.9	953.7	981.4	1021.9	1063.1	1106.9	1142.6	1208.0	1270.2
22.5°	836.6	851.1	872.9	904.4	934.6	971.8	1016.8	1064.5	1101.9	1172.6	1235.6
25°	780.6	792.6	806.6	832.6	866.7	907.3	942.4	994.9	1049.5	1115.5	1191.8
27.5°	730.3	738.7	751.1	774.0	800.4	838.3	877.3	927.2	982.1	1053.8	1134.2
30°	699.5	704.9	717.4	736.3	762.2	792.0	831.5	879.1	935.4	1007.9	1087.9
32.5°	672.7	677.7	685.7	703.8	726.4	751.8	787.3	834.9	888.6	959.9	1048.6
35°	632.4	636.2	643.3	657.9	670.3	695.2	725.0	768.2	818.5	886.7	978.7
37.5°	592.3	597.5	601.8	608.0	623.9	640.3	666.2	702.7	752.1	820.9	908.6
40°	565.9	570.2	576.7	579.4	592.4	607.0	628.1	661.6	711.4	774.1	859.7
42.5°	539.1	543.4	547.2	550.4	561.7	574.5	593.5	622.2	666.4	727.4	812.0
45°	502.6	503.1	506.9	512.8	518.3	527.5	541.0	565.9	600.0	657.3	734.1
47.5°	465.5	466.2	466.8	469.4	475.4	483.7	492.8	513.0	543.5	589.2	664.0
50°	440.9	439.9	440.9	443.0	446.9	453.9	464.1	478.7	503.7	546.4	615.1
52.5°	417.1	416.9	416.2	417.1	420.0	424.9	432.1	444.6	466.8	506.1	566.6
55°	380.8	378.1	378.7	376.5	381.4	382.5	387.9	398.2	417.7	444.7	501.5
57.5°	342.3	340.0	337.6	337.0	336.5	339.4	343.7	351.9	366.8	390.4	436.6
60°	317.6	314.9	311.6	310.5	310.5	312.2	314.3	320.2	334.4	355.5	393.3
62.5°	292.4	289.3	287.4	284.5	283.7	285.4	287.5	291.7	301.9	321.6	354.3
65°	253.7	250.0	247.2	246.7	245.6	244.0	245.1	249.4	257.5	273.2	299.1
67.5°	214.9	211.3	210.7	207.5	206.0	206.2	206.0	209.7	214.6	228.1	247.4
70°	189.3	186.6	185.6	182.9	181.8	180.7	179.6	182.9	187.8	199.1	215.9
72.5°	163.4	161.1	158.7	156.5	156.7	155.6	155.4	157.4	161.3	171.8	184.7
75°	126.0	126.6	123.9	121.2	120.7	119.5	119.5	121.2	122.8	130.9	141.2
77.5°	91.4	91.0	88.7	87.9	87.3	86.1	87.3	88.4	89.3	94.7	102.2
80°	69.8	69.8	67.1	67.1	66.5	64.9	66.5	65.5	67.6	73.1	78.4
82.5°	49.9	49.0	48.9	48.0	47.9	46.7	47.5	48.6	49.4	53.2	56.3
85°	24.4	24.4	23.8	23.2	23.8	23.2	23.8	24.4	24.9	26.5	29.2
87.5°	9.4	9.9	10.3	9.9	9.0	8.8	8.9	9.0	9.7	9.6	9.6
90°	21.0	21.7	21.0	17.2	12.7	9.5	7.7	6.4	5.1	2.5	0.7
92.5°	70.0	82.8	81.7	63.6	43.4	28.9	22.9	18.6	15.8	11.3	7.7
95°	218.6	249.8	221.2	147.2	91.8	62.5	47.1	36.9	31.2	24.9	22.3
97.5°	447.4	426.5	321.2	198.4	121.1	84.2	66.9	55.2	46.6	39.8	36.4
100°	595.3	503.4	346.7	209.0	131.3	97.5	79.7	66.9	56.7	51.0	49.1
102.5°	650.3	506.1	337.0	209.5	140.5	109.3	91.4	78.1	67.9	62.2	60.8
105°	641.8	472.2	318.0	212.9	156.1	126.2	108.4	94.3	84.8	80.3	77.8
107.5°	585.8	436.0	308.6	221.7	172.2	143.2	125.1	111.3	102.5	98.2	96.1
110°	550.7	418.7	306.6	228.8	182.9	154.9	136.4	123.0	114.7	110.9	108.4



TEST NUMBER: P331395-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	526.2	407.5	307.0	236.4	193.1	166.1	147.1	134.2	126.5	122.1	119.5
115°	495.9	395.2	309.7	247.9	209.0	181.6	164.4	151.6	144.1	140.2	137.1
117.5°	476.7	389.1	314.3	260.2	223.7	198.4	180.5	168.3	161.5	157.7	155.2
120°	466.5	385.6	317.4	268.3	233.9	209.0	191.2	178.5	172.7	168.9	166.3
122.5°	457.9	383.5	321.0	275.5	243.6	220.3	201.9	189.1	182.9	179.1	177.1
125°	445.5	379.8	326.3	286.8	258.1	235.1	217.4	204.6	196.9	193.1	191.2
127.5°	434.0	377.6	331.8	297.3	271.7	249.3	231.0	218.7	210.3	205.0	202.4
130°	426.4	376.7	335.9	304.0	279.8	257.5	239.6	226.9	217.9	211.6	209.0
132.5°	420.3	376.2	340.0	310.6	286.9	265.6	247.8	234.6	225.1	218.3	215.2
135°	411.7	375.4	344.8	319.3	297.0	276.6	258.8	244.1	234.6	226.9	224.4
137.5°	405.7	375.3	349.1	326.0	305.2	285.0	268.5	253.9	243.7	236.0	233.0
140°	402.2	374.7	351.1	329.5	309.7	290.7	274.0	260.0	249.8	242.1	239.6
142.5°	398.6	374.7	352.7	332.6	313.3	294.7	279.2	265.6	255.4	248.3	246.2
145°	393.9	373.5	354.3	336.5	318.7	301.4	287.4	274.7	265.1	258.8	256.2
147.5°	389.1	371.2	354.9	338.7	323.0	306.8	294.3	283.7	274.9	268.8	266.9
150°	384.9	369.7	354.3	339.7	325.1	310.4	298.9	289.3	281.0	276.0	274.0
152.5°	381.4	367.1	353.4	340.2	327.1	314.0	303.5	294.4	287.1	282.1	281.2
155°	374.7	362.6	351.8	341.0	330.1	319.3	309.7	302.7	295.7	291.9	291.2
157.5°	368.5	358.1	348.9	341.0	332.3	323.1	315.1	309.5	303.4	300.3	299.7
160°	363.9	355.0	347.3	341.0	333.3	325.6	318.7	313.6	308.4	305.9	305.2
162.5°	359.8	352.5	345.8	340.5	333.9	327.2	321.7	317.2	313.1	310.5	310.9
165°	353.1	347.3	342.9	339.1	334.6	328.9	325.1	321.9	318.0	316.7	317.4
167.5°	346.4	342.9	340.0	338.2	334.4	330.3	327.8	325.5	323.1	322.0	322.8
170°	342.9	340.3	338.4	337.1	333.9	330.8	328.9	327.6	325.6	325.1	326.3
172.5°	339.3	337.3	336.4	335.6	333.5	331.3	329.9	329.1	327.2	327.6	328.3
175°	334.6	333.9	333.3	333.9	332.6	331.4	330.8	330.8	329.5	330.1	330.8
177.5°	331.9	331.4	331.9	333.0	331.9	331.4	331.4	331.4	330.4	330.9	331.9
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331395-930

CATALOG NUMBER: SA2XXDIP-C865D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1415.0	1417.2	1424.1	1431.0	1438.8	1441.0	1444.5	1441.4	1440.6	1448.8	1454.8
5°	1419.0	1428.7	1447.7	1465.0	1479.6	1489.9	1500.7	1505.0	1513.1	1524.5	1538.6
7.5°	1414.5	1433.4	1463.1	1488.4	1515.9	1535.6	1551.1	1564.3	1580.4	1601.9	1625.4
10°	1409.2	1434.7	1471.0	1501.8	1535.3	1560.7	1581.8	1602.4	1626.2	1656.0	1686.8
12.5°	1399.8	1430.0	1475.3	1511.7	1554.8	1579.8	1608.3	1652.6	1678.1	1719.6	1763.0
15°	1380.6	1414.1	1477.4	1522.3	1571.0	1618.6	1671.1	1713.4	1755.5	1779.9	1841.0
17.5°	1352.2	1401.4	1471.5	1523.9	1585.8	1660.8	1719.7	1767.5	1816.2	1855.7	1886.4
20°	1329.2	1382.7	1462.8	1525.6	1599.1	1679.8	1747.4	1796.1	1838.3	1871.3	1890.2
22.5°	1300.2	1367.6	1445.5	1519.1	1613.0	1692.7	1763.8	1802.1	1837.4	1853.5	1860.8
25°	1254.6	1335.7	1423.9	1513.7	1619.8	1704.1	1769.0	1792.3	1802.5	1786.9	1760.9
27.5°	1205.3	1295.8	1398.9	1503.5	1615.6	1696.7	1743.3	1739.6	1722.2	1671.4	1630.8
30°	1168.6	1268.1	1379.0	1493.1	1605.7	1684.7	1711.7	1684.7	1645.1	1588.4	1530.5
32.5°	1130.0	1233.1	1357.8	1478.4	1587.5	1656.9	1662.8	1616.2	1555.1	1490.5	1418.4
35°	1071.7	1183.2	1317.8	1445.5	1548.8	1592.7	1566.7	1484.5	1412.0	1323.8	1225.3
37.5°	1005.8	1128.9	1264.0	1397.3	1490.9	1502.4	1437.9	1351.4	1249.1	1145.5	1029.6
40°	956.5	1086.9	1225.9	1360.6	1443.3	1431.4	1349.2	1254.0	1132.3	1005.7	898.1
42.5°	912.3	1042.7	1184.3	1316.5	1382.7	1350.1	1254.0	1137.2	1006.3	887.1	788.6
45°	835.8	970.0	1115.0	1242.7	1280.5	1221.6	1094.5	964.6	835.8	736.3	658.4
47.5°	761.6	894.2	1037.8	1150.1	1163.4	1084.1	945.2	811.6	700.9	619.9	564.9
50°	707.1	840.2	982.4	1082.6	1078.2	982.4	839.6	712.5	620.0	554.5	517.7
52.5°	658.2	783.9	920.6	1011.5	988.6	884.2	747.9	635.0	559.0	507.8	474.4
55°	582.1	698.4	828.3	901.3	859.1	743.3	628.1	537.2	480.9	442.5	416.5
57.5°	506.5	615.6	726.8	771.8	725.1	618.2	522.2	456.2	413.9	385.5	368.6
60°	459.8	555.1	654.0	693.0	637.3	542.1	466.4	407.4	373.2	350.0	334.8
62.5°	413.1	498.4	591.7	612.9	562.0	481.5	414.4	365.4	337.4	316.7	302.4
65°	349.5	419.2	490.2	504.2	457.1	394.9	341.9	310.0	285.1	269.9	258.6
67.5°	286.6	342.7	392.9	404.2	363.0	319.8	281.5	253.7	236.8	224.3	214.7
70°	249.4	293.8	334.8	344.1	311.0	272.6	243.4	221.3	206.1	195.3	186.1
72.5°	210.0	247.0	281.2	287.4	260.4	231.1	207.1	189.6	176.3	169.3	160.5
75°	160.7	182.3	208.8	210.4	192.6	174.7	156.4	145.0	137.9	129.3	125.0
77.5°	113.4	130.4	145.5	148.5	137.9	125.7	115.4	106.5	100.5	96.5	92.5
80°	86.6	100.1	106.6	110.4	102.8	94.2	88.2	82.3	78.4	75.7	73.1
82.5°	61.9	70.2	76.3	79.2	75.1	69.9	63.9	60.6	57.6	55.4	54.5
85°	31.4	35.1	39.0	40.0	39.0	36.8	33.5	33.5	31.9	31.4	31.4
87.5°	11.3	13.5	13.9	15.4	14.9	15.6	16.4	16.8	16.5	15.9	15.3
90°	2.5	5.1	6.4	7.7	9.5	12.7	17.2	21.0	21.7	21.0	20.4
92.5°	11.3	15.8	18.6	22.9	28.9	43.4	63.6	81.7	82.8	70.0	55.6
95°	24.9	31.2	36.9	47.1	62.5	91.8	147.2	221.2	249.8	218.6	167.0
97.5°	39.8	46.6	55.2	66.9	84.2	121.1	198.4	321.2	426.5	447.4	389.6
100°	51.0	56.7	66.9	79.7	97.5	131.3	209.0	346.7	503.4	595.3	581.9
102.5°	62.2	67.9	78.1	91.4	109.3	140.5	209.5	337.0	506.1	650.3	707.8
105°	80.3	84.8	94.3	108.4	126.2	156.1	212.9	318.0	472.2	641.8	774.4
107.5°	98.2	102.5	111.3	125.1	143.2	172.2	221.7	308.6	436.0	585.8	726.4
110°	110.9	114.7	123.0	136.4	154.9	182.9	228.8	306.6	418.7	550.7	685.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	122.1	126.5	134.2	147.1	166.1	193.1	236.4	307.0	407.5	526.2	647.4
115°	140.2	144.1	151.6	164.4	181.6	209.0	247.9	309.7	395.2	495.9	601.0
117.5°	157.7	161.5	168.3	180.5	198.4	223.7	260.2	314.3	389.1	476.7	566.1
120°	168.9	172.7	178.5	191.2	209.0	233.9	268.3	317.4	385.6	466.5	548.7
122.5°	179.1	182.9	189.1	201.9	220.3	243.6	275.5	321.0	383.5	457.9	535.0
125°	193.1	196.9	204.6	217.4	235.1	258.1	286.8	326.3	379.8	445.5	514.9
127.5°	205.0	210.3	218.7	231.0	249.3	271.7	297.3	331.8	377.6	434.0	495.2
130°	211.6	217.9	226.9	239.6	257.5	279.8	304.0	335.9	376.7	426.4	482.4
132.5°	218.3	225.1	234.6	247.8	265.6	286.9	310.6	340.0	376.2	420.3	470.2
135°	226.9	234.6	244.1	258.8	276.6	297.0	319.3	344.8	375.4	411.7	453.1
137.5°	236.0	243.7	253.9	268.5	285.0	305.2	326.0	349.1	375.3	405.7	439.5
140°	242.1	249.8	260.0	274.0	290.7	309.7	329.5	351.1	374.7	402.2	430.8
142.5°	248.3	255.4	265.6	279.2	294.7	313.3	332.6	352.7	374.7	398.6	423.7
145°	258.8	265.1	274.7	287.4	301.4	318.7	336.5	354.3	373.5	393.9	413.6
147.5°	268.8	274.9	283.7	294.3	306.8	323.0	338.7	354.9	371.2	389.1	405.9
150°	276.0	281.0	289.3	298.9	310.4	325.1	339.7	354.3	369.7	384.9	400.2
152.5°	282.1	287.1	294.4	303.5	314.0	327.1	340.2	353.4	367.1	381.4	394.6
155°	291.9	295.7	302.7	309.7	319.3	330.1	341.0	351.8	362.6	374.7	386.9
157.5°	300.3	303.4	309.5	315.1	323.1	332.3	341.0	348.9	358.1	368.5	377.8
160°	305.9	308.4	313.6	318.7	325.6	333.3	341.0	347.3	355.0	363.9	372.2
162.5°	310.5	313.1	317.2	321.7	327.2	333.9	340.5	345.8	352.5	359.8	366.6
165°	316.7	318.0	321.9	325.1	328.9	334.6	339.1	342.9	347.3	353.1	358.2
167.5°	322.0	323.1	325.5	327.8	330.3	334.4	338.2	340.0	342.9	346.4	350.2
170°	325.1	325.6	327.6	328.9	330.8	333.9	337.1	338.4	340.3	342.9	346.1
172.5°	327.6	327.2	329.1	329.9	331.3	333.5	335.6	336.4	337.3	339.3	341.4
175°	330.1	329.5	330.8	330.8	331.4	332.6	333.9	333.3	333.9	334.6	336.5
177.5°	330.9	330.4	331.4	331.4	331.4	331.9	333.0	331.9	331.4	331.9	333.0
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1460.0	1466.1	1466.1	1467.0	1473.9	1473.0	1472.6
5°	1553.7	1562.9	1564.0	1573.8	1580.2	1578.1	1572.1
7.5°	1642.1	1659.2	1672.2	1679.4	1688.0	1693.3	1690.9
10°	1712.2	1737.1	1752.2	1762.5	1775.0	1784.2	1780.9
12.5°	1775.9	1805.5	1826.3	1843.9	1845.5	1857.3	1849.3
15°	1875.1	1906.4	1909.7	1922.6	1933.0	1931.9	1932.4
17.5°	1907.9	1917.9	1919.9	1920.3	1920.4	1916.6	1908.4
20°	1896.1	1892.4	1883.2	1876.2	1863.7	1862.1	1851.3
22.5°	1840.8	1828.8	1805.7	1790.5	1771.1	1766.0	1763.0
25°	1731.7	1705.2	1668.4	1633.2	1623.5	1604.6	1610.0
27.5°	1582.1	1540.8	1500.9	1472.3	1446.5	1418.1	1426.3
30°	1476.9	1430.4	1374.1	1330.8	1303.3	1276.2	1271.3
32.5°	1351.4	1283.2	1220.5	1182.3	1140.1	1123.0	1104.2
35°	1135.0	1068.4	1006.2	952.7	921.9	898.1	876.4
37.5°	940.4	863.7	813.5	770.1	747.9	734.3	737.7
40°	819.6	752.5	715.8	682.7	662.2	652.4	654.6
42.5°	721.8	671.6	641.3	618.6	604.1	598.8	597.5
45°	610.7	582.6	557.7	544.8	537.8	531.8	528.0
47.5°	535.0	512.1	498.1	490.3	484.2	478.1	478.0
50°	489.6	474.4	464.7	456.6	451.8	447.4	451.2
52.5°	454.9	441.2	431.4	424.1	422.3	418.4	418.3
55°	403.6	392.7	385.7	379.2	376.0	373.8	371.1
57.5°	356.9	346.6	340.1	336.0	329.8	327.6	326.8
60°	323.5	315.4	308.9	303.5	300.8	296.4	296.4
62.5°	292.8	284.7	278.6	274.5	270.0	268.3	268.8
65°	248.3	241.8	235.9	231.5	230.5	227.2	228.3
67.5°	207.4	203.1	196.8	194.4	192.4	190.6	189.3
70°	180.2	175.9	172.6	169.3	167.7	167.7	167.7
72.5°	157.2	152.1	150.1	145.9	146.9	145.2	143.5
75°	121.7	118.5	116.8	115.2	112.5	112.5	112.5
77.5°	89.6	88.6	86.7	85.0	84.3	83.7	84.0
80°	69.2	68.7	67.6	67.6	66.5	66.0	64.9
82.5°	53.2	51.9	51.2	50.7	50.5	50.4	50.2
85°	30.3	29.2	29.2	29.8	28.7	28.7	29.2
87.5°	15.5	15.7	15.5	15.5	15.9	15.5	15.5
90°	19.2	20.4	21.0	21.0	21.0	21.0	21.0
92.5°	47.7	42.3	38.4	37.8	35.8	36.4	35.3
95°	128.1	101.3	87.3	79.0	73.9	72.0	72.6
97.5°	318.8	249.8	203.8	173.3	157.7	148.4	143.0
100°	502.9	415.6	338.4	285.5	258.1	239.6	228.1
102.5°	690.0	626.1	544.4	486.9	440.1	417.0	401.5
105°	846.4	854.7	833.6	794.1	754.6	727.2	718.3
107.5°	834.9	901.2	932.1	937.0	934.8	929.4	917.5
110°	799.2	880.8	933.0	960.4	972.6	978.3	977.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	756.8	844.1	904.0	942.1	962.4	973.2	976.6
115°	699.1	782.6	848.2	893.5	922.8	939.4	945.2
117.5°	652.2	728.0	789.5	835.7	866.7	884.1	888.9
120°	627.8	695.3	753.3	797.9	827.9	846.4	852.7
122.5°	607.4	671.3	723.7	763.8	793.2	809.7	815.0
125°	580.6	636.7	684.4	721.5	745.7	761.6	766.7
127.5°	554.6	607.5	651.6	683.9	706.5	720.3	724.4
130°	537.3	587.6	629.7	660.9	682.6	695.3	700.4
132.5°	521.0	567.2	606.7	637.5	659.1	670.8	675.4
135°	495.2	537.3	572.9	600.4	621.4	632.8	635.4
137.5°	474.7	508.1	539.2	564.2	582.3	592.3	596.1
140°	461.5	490.7	518.8	539.2	555.7	565.3	569.2
142.5°	449.7	474.9	498.4	517.8	532.8	541.4	542.1
145°	434.6	454.4	472.9	488.2	499.0	505.4	507.3
147.5°	422.4	437.8	451.3	464.0	472.6	477.0	478.1
150°	414.3	427.6	439.1	448.7	456.3	460.2	460.8
152.5°	407.6	419.0	428.9	436.4	443.0	445.9	446.0
155°	397.1	406.6	413.6	420.6	425.1	427.6	426.4
157.5°	386.4	394.4	399.8	404.8	408.5	409.7	409.7
160°	379.2	386.2	390.7	395.2	398.4	398.9	398.9
162.5°	372.6	378.5	382.0	386.5	388.7	389.3	388.7
165°	362.6	367.1	369.7	372.2	374.7	374.7	374.1
167.5°	353.6	356.6	359.0	360.1	361.5	361.3	360.6
170°	348.0	350.5	351.8	352.5	354.3	353.7	352.5
172.5°	342.9	345.0	345.7	346.3	347.2	346.6	345.8
175°	337.1	337.8	338.4	338.4	339.1	338.4	337.1
177.5°	333.0	333.5	333.5	333.5	333.5	333.0	331.9
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4

(END OF REPORT)