

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: P331393-935

Luminaire Tested: **S122DIP-S865D725U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331393-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S865D725U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5776.1 lumens
Efficiency: N/A
Efficacy: 106.2 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

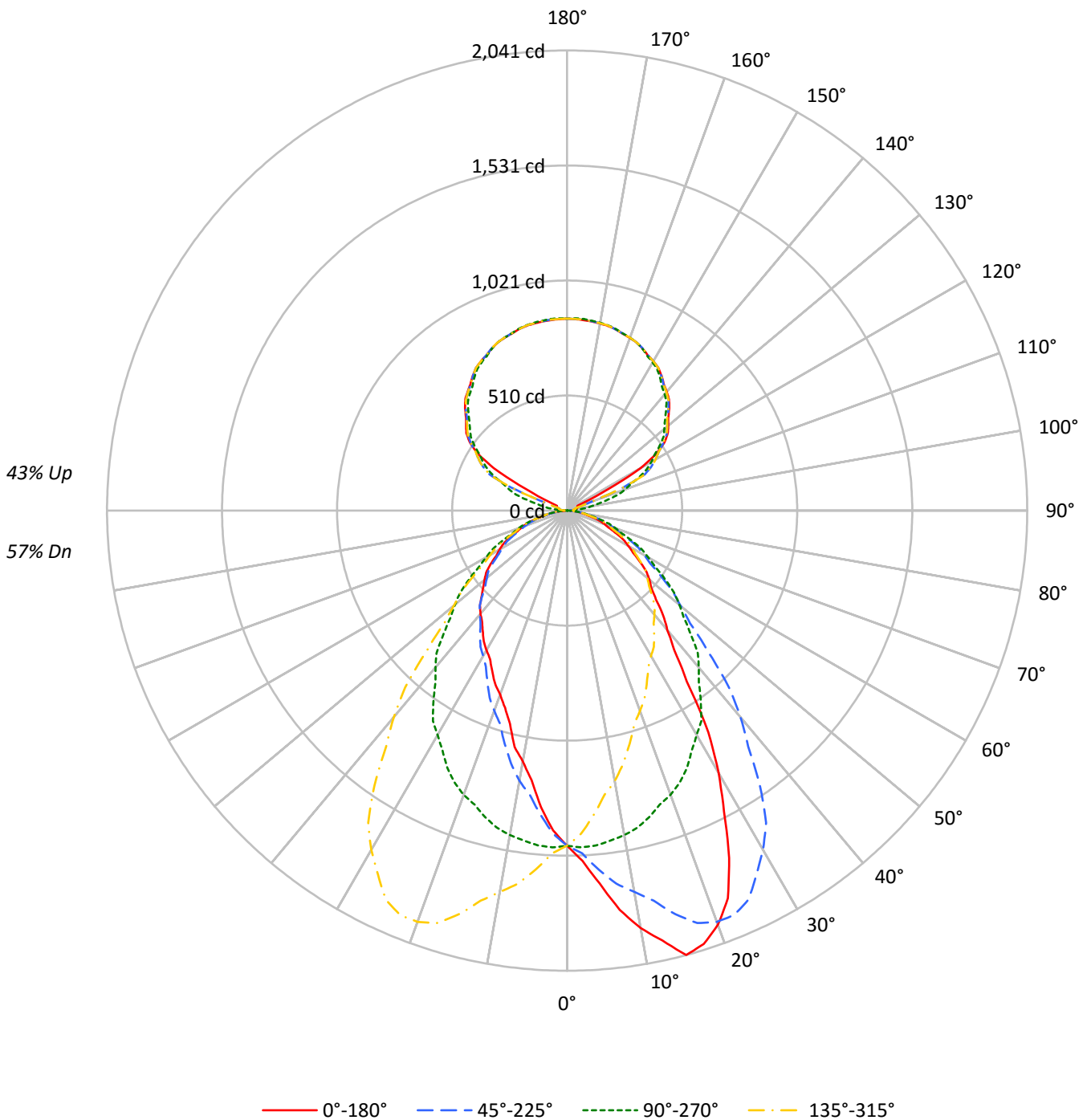
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57
1	100	96	92	89	93	89	86	83	77	75	73	66	64	63	56	55	54	49
2	91	84	78	73	85	79	74	69	68	64	61	59	56	53	50	48	46	42
3	84	75	67	62	78	70	63	58	61	56	52	52	49	46	45	42	40	36
4	77	66	59	53	71	62	55	50	54	49	45	47	43	40	40	37	35	31
5	71	59	52	46	66	56	49	43	49	43	39	43	38	35	37	33	31	28
6	65	54	46	40	61	50	43	38	44	39	34	39	34	31	33	30	27	25
7	61	49	41	35	56	46	39	34	40	35	31	35	31	28	31	27	25	22
8	56	44	37	31	53	42	35	30	37	31	27	33	28	25	28	25	22	20
9	53	41	33	28	49	38	32	27	34	29	25	30	26	22	26	23	20	18
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	24	21	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24001	24001	24001	24001
5°	26909	24159	21409	24159
10°	30836	23961	18528	23961
15°	34111	23520	16368	23520
20°	33593	23048	14921	23048
25°	30289	22422	14004	22422
30°	25031	21420	13336	21420
35°	18242	20371	12861	20371
40°	14570	19134	12596	19134
45°	12732	17701	12237	17701
50°	11969	16317	11997	16317
55°	11032	14908	11674	14908
60°	10111	13411	11179	13411
65°	9211	12069	10693	12069
70°	8360	10763	9980	10763
75°	7411	9301	8840	9301
80°	6369	7699	7113	7699
85°	5706	5706	4224	5706



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	2.5
10°-20°	411.6	7.1
20°-30°	597.3	10.3
30°-40°	630.3	10.9
40°-50°	558.1	9.7
50°-60°	445.4	7.7
60°-70°	302.7	5.2
70°-80°	155.2	2.7
80°-90°	39.5	0.7
90°-100°	28.4	0.5
100°-110°	104.1	1.8
110°-120°	278.3	4.8
120°-130°	459.4	8.0
130°-140°	488.6	8.5
140°-150°	454.1	7.9
150°-160°	365.1	6.3
160°-170°	235.3	4.1
170°-180°	81.0	1.4
0°-30°	1150.5	19.9
0°-40°	1780.8	30.8
0°-60°	2784.3	48.2
0°-90°	3281.7	56.8
90°-120°	410.8	7.1
90°-150°	1813.0	31.4
90°-180°	2494.0	43.2
0°-180°	5776.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1486	1486	1486	1486	1486	
5°	1660	1491	1321	1491	1660	166
15°	2041	1407	979	1407	2041	563
25°	1700	1259	786	1259	1700	768
35°	926	1034	652	1034	926	602
45°	558	775	536	775	558	438
55°	392	530	415	530	392	351
65°	241	316	280	316	241	240
75°	119	149	142	149	119	127
85°	31	31	23	31	31	34
90°	17	1	17	1	17	9
95°	26	40	26	40	26	25
105°	47	187	47	187	47	49
115°	50	354	50	354	50	126
125°	527	501	527	501	527	456
135°	640	620	640	620	640	493
145°	730	719	730	719	730	456
155°	792	791	792	791	792	365
165°	832	834	832	834	832	235
175°	848	853	848	853	848	81
180°	851	851	851	851	851	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1555.1	1555.6	1556.5	1549.2	1548.3	1548.3	1541.9	1536.4	1530.0	1521.3	1522.2
5°	1660.3	1666.6	1668.8	1662.0	1651.7	1650.5	1640.8	1624.8	1610.0	1597.9	1589.4
7.5°	1785.7	1788.2	1782.6	1773.6	1765.9	1752.2	1734.1	1716.5	1691.7	1669.0	1652.0
10°	1880.8	1884.2	1874.5	1861.3	1850.5	1834.4	1808.2	1781.3	1748.8	1717.4	1692.2
12.5°	1953.0	1961.4	1949.0	1947.2	1928.6	1906.7	1875.4	1861.8	1816.0	1772.2	1745.2
15°	2040.7	2040.1	2041.3	2030.4	2016.7	2013.3	1980.2	1944.2	1879.6	1853.9	1809.4
17.5°	2015.3	2024.0	2028.1	2027.9	2027.6	2025.4	2014.8	1992.1	1959.7	1918.0	1866.6
20°	1955.1	1966.4	1968.2	1981.3	1988.7	1998.5	2002.4	1996.1	1976.2	1941.3	1896.8
22.5°	1861.8	1865.0	1870.4	1890.8	1906.9	1931.3	1944.0	1965.1	1957.4	1940.4	1903.2
25°	1700.2	1694.5	1714.5	1724.8	1762.0	1800.8	1828.8	1859.6	1887.1	1903.6	1892.7
27.5°	1506.2	1497.6	1527.6	1554.9	1585.0	1627.1	1670.8	1722.3	1765.1	1818.7	1837.1
30°	1342.6	1347.7	1376.3	1405.4	1451.1	1510.5	1559.7	1616.3	1677.4	1737.3	1779.1
32.5°	1166.1	1185.9	1204.0	1248.6	1288.9	1355.1	1427.1	1497.9	1574.1	1642.3	1706.8
35°	925.5	948.4	973.5	1006.1	1062.6	1128.3	1198.6	1294.0	1398.0	1491.2	1567.7
37.5°	779.0	775.4	789.8	813.3	859.1	912.1	993.1	1087.4	1209.7	1319.1	1427.1
40°	691.3	689.0	699.3	721.0	755.9	794.7	865.6	948.4	1062.0	1195.8	1324.3
42.5°	630.9	632.3	638.0	653.3	677.3	709.2	762.2	832.8	936.9	1062.7	1200.9
45°	557.6	561.6	567.9	575.3	589.0	615.3	645.0	695.3	777.6	882.7	1018.6
47.5°	504.8	504.9	511.3	517.8	526.0	540.8	565.0	596.6	654.6	740.2	857.1
50°	476.5	472.5	477.1	482.2	490.8	501.0	517.0	546.7	585.6	654.7	752.4
52.5°	441.8	441.9	446.0	447.9	455.6	465.9	480.4	501.0	536.2	590.3	670.6
55°	391.9	394.8	397.1	400.5	407.3	414.7	426.2	439.9	467.4	507.9	567.3
57.5°	345.1	345.9	348.3	354.8	359.1	366.0	376.9	389.3	407.1	437.1	481.8
60°	313.1	313.1	317.6	320.5	326.2	333.0	341.6	353.6	369.6	394.2	430.2
62.5°	283.9	283.4	285.2	289.9	294.2	300.7	309.2	319.3	334.4	356.3	385.9
65°	241.1	240.0	243.4	244.5	249.1	255.4	262.3	273.1	285.1	301.1	327.4
67.5°	199.9	201.3	203.2	205.3	207.8	214.5	219.0	226.7	236.9	250.1	267.9
70°	177.1	177.1	177.1	178.8	182.3	185.7	190.3	196.6	206.2	217.7	233.7
72.5°	151.5	153.3	155.2	154.1	158.5	160.6	166.0	169.5	178.8	186.1	200.3
75°	118.8	118.8	118.8	121.7	123.4	125.1	128.5	132.0	136.6	145.7	153.1
77.5°	88.7	88.4	89.0	89.7	91.5	93.6	94.6	97.7	101.9	106.2	112.4
80°	68.5	69.7	70.3	71.4	71.4	72.6	73.1	77.1	80.0	82.8	86.9
82.5°	53.0	53.2	53.4	53.6	54.1	54.8	56.2	57.5	58.5	60.9	64.0
85°	30.8	30.3	30.3	31.4	30.8	30.8	32.0	33.1	33.1	33.7	35.4
87.5°	15.2	15.2	15.6	15.1	15.0	15.3	15.2	14.6	15.0	15.2	15.5
90°	16.6	16.4	16.1	15.8	15.5	15.1	14.4	13.7	13.0	12.3	11.2
92.5°	16.6	16.4	16.3	16.1	16.0	15.7	15.3	15.0	14.6	14.3	13.8
95°	26.5	26.6	26.8	26.9	27.0	26.8	26.1	25.4	24.7	24.0	23.1
97.5°	35.4	35.2	35.0	34.9	34.7	34.4	33.8	33.2	32.7	32.1	30.0
100°	41.2	41.0	40.7	40.5	40.2	39.5	38.4	37.3	36.2	35.1	32.8
102.5°	44.3	43.8	43.5	43.0	42.7	41.8	40.4	38.9	37.5	36.1	35.5
105°	46.8	46.2	45.7	45.2	44.6	43.6	42.1	40.6	39.1	37.5	37.9
107.5°	48.1	47.6	47.1	46.5	46.0	46.5	48.0	49.5	51.1	52.6	52.4
110°	48.6	48.1	47.5	47.0	46.5	53.0	66.7	80.4	94.1	107.8	147.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	49.2	48.7	48.3	47.9	47.4	72.2	122.1	172.0	222.0	271.8	281.6
115°	50.5	60.4	70.2	80.1	89.9	126.6	189.9	253.3	316.7	380.0	376.6
117.5°	206.2	238.6	271.0	303.3	335.7	359.6	374.9	390.3	405.6	420.9	418.5
120°	375.7	394.2	412.7	431.1	449.6	458.1	456.4	454.8	453.1	451.4	449.0
122.5°	468.8	472.4	476.0	479.6	483.2	484.5	483.5	482.5	481.5	480.5	477.9
125°	526.6	526.2	525.8	525.4	525.0	524.3	523.3	522.4	521.4	520.5	517.8
127.5°	563.1	563.0	562.9	562.8	562.7	562.0	560.6	559.2	557.8	556.4	554.5
130°	585.7	585.8	586.0	586.2	586.3	585.6	584.1	582.6	581.1	579.5	578.1
132.5°	607.9	608.0	608.2	608.3	608.5	607.9	606.6	605.3	604.0	602.7	601.2
135°	639.9	640.2	640.5	640.8	641.0	640.5	639.1	637.7	636.4	635.0	633.8
137.5°	669.1	669.6	670.0	670.5	671.0	670.5	669.2	667.9	666.5	665.2	663.7
140°	687.3	688.0	688.7	689.4	690.1	689.8	688.5	687.3	686.1	684.9	683.4
142.5°	705.1	705.8	706.5	707.1	707.8	707.6	706.5	705.3	704.2	703.1	701.4
145°	729.9	730.6	731.2	731.9	732.5	732.5	731.5	730.6	729.6	728.6	726.3
147.5°	751.7	752.3	752.8	753.4	754.0	753.9	753.2	752.4	751.7	751.1	748.7
150°	764.9	765.6	766.3	767.0	767.7	767.6	766.8	765.9	765.2	764.3	762.2
152.5°	776.3	777.2	778.1	779.0	779.9	780.0	779.1	778.3	777.5	776.6	774.6
155°	792.0	793.2	794.3	795.3	796.4	796.6	795.7	795.0	794.1	793.2	791.6
157.5°	806.5	807.5	808.6	809.7	810.7	810.8	809.9	808.9	808.0	807.1	805.9
160°	814.9	815.8	816.7	817.7	818.6	818.7	817.9	817.1	816.3	815.5	814.6
162.5°	821.7	822.9	824.1	825.3	826.5	826.6	825.6	824.7	823.8	822.9	822.2
165°	832.1	833.0	834.0	835.0	835.9	835.9	835.0	834.0	833.0	832.1	831.6
167.5°	838.6	839.8	841.1	842.3	843.5	843.7	842.7	841.8	840.8	839.8	839.5
170°	842.6	843.8	845.0	846.3	847.5	847.7	846.6	845.7	844.7	843.8	843.5
172.5°	845.5	846.7	848.0	849.2	850.4	850.6	849.6	848.7	847.7	846.7	846.4
175°	848.1	849.5	850.8	852.2	853.6	853.8	852.8	851.9	850.9	850.0	849.6
177.5°	849.7	850.7	851.7	852.6	853.7	853.8	853.0	852.2	851.4	850.7	850.6
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1525.4	1521.7	1519.5	1511.2	1503.9	1496.6	1494.4	1495.2	1485.2	1475.6	1471.4
5°	1584.8	1573.4	1562.5	1547.1	1528.9	1508.8	1498.6	1490.6	1470.6	1448.9	1436.3
7.5°	1638.1	1621.7	1600.9	1571.8	1545.2	1513.7	1493.7	1476.0	1446.8	1416.2	1397.4
10°	1670.5	1648.2	1621.3	1586.0	1553.4	1515.1	1488.2	1461.5	1427.1	1390.6	1367.7
12.5°	1698.4	1668.4	1641.9	1596.5	1558.0	1510.1	1478.3	1440.4	1404.3	1360.9	1338.5
15°	1764.8	1709.3	1659.1	1607.7	1560.2	1493.4	1458.0	1407.1	1359.7	1306.1	1280.3
17.5°	1816.1	1753.9	1674.6	1609.3	1553.9	1480.0	1428.0	1367.0	1311.0	1249.6	1214.6
20°	1845.4	1773.9	1688.8	1611.1	1544.8	1460.3	1403.7	1341.4	1275.7	1206.6	1168.9
22.5°	1862.7	1787.6	1703.4	1604.2	1526.6	1444.2	1373.1	1304.8	1238.3	1163.6	1124.1
25°	1868.2	1799.7	1710.5	1598.5	1503.7	1410.6	1324.9	1258.6	1178.0	1108.4	1050.7
27.5°	1841.0	1791.8	1706.2	1587.8	1477.3	1368.4	1272.9	1197.8	1112.8	1037.2	979.1
30°	1807.7	1779.1	1695.7	1576.8	1456.3	1339.2	1234.1	1148.9	1064.4	987.8	928.4
32.5°	1756.0	1749.8	1676.5	1561.3	1433.9	1302.2	1193.3	1107.3	1013.7	938.4	881.8
35°	1654.5	1682.0	1635.6	1526.6	1391.7	1249.5	1131.8	1033.5	936.4	864.4	811.2
37.5°	1518.5	1586.7	1574.5	1475.7	1334.8	1192.1	1062.2	959.5	866.9	794.3	742.1
40°	1424.9	1511.7	1524.2	1436.8	1294.6	1147.8	1010.1	907.8	817.5	751.3	698.7
42.5°	1324.3	1425.7	1460.3	1390.3	1250.7	1101.1	963.5	857.6	768.2	703.8	657.1
45°	1155.8	1290.0	1352.3	1312.3	1177.5	1024.3	882.7	775.2	694.1	633.6	597.6
47.5°	998.2	1144.9	1228.6	1214.5	1096.0	944.3	804.3	701.2	622.2	573.9	541.7
50°	886.7	1037.5	1138.6	1143.2	1037.5	887.3	746.7	649.6	577.0	531.9	505.6
52.5°	789.8	933.8	1044.0	1068.2	972.2	827.9	695.1	598.4	534.5	493.0	469.5
55°	663.3	785.0	907.2	951.8	874.7	737.5	614.8	529.6	469.6	441.1	420.5
57.5°	551.5	652.9	765.8	815.0	767.5	650.1	534.9	461.1	412.3	387.4	371.6
60°	492.5	572.5	673.0	731.8	690.7	586.2	485.6	415.3	375.4	353.1	338.2
62.5°	437.6	508.5	593.5	647.3	624.9	526.3	436.3	374.2	339.7	318.8	308.1
65°	361.1	417.1	482.8	532.4	517.6	442.7	369.1	315.9	288.5	271.9	263.4
67.5°	297.3	337.8	383.3	426.9	414.9	361.9	302.6	261.3	240.9	226.6	221.4
70°	257.1	287.9	328.5	363.3	353.6	310.2	263.4	228.0	210.3	198.3	193.1
72.5°	218.7	244.1	275.0	303.5	297.0	260.9	221.8	195.0	181.4	170.4	166.2
75°	165.1	184.5	203.4	222.2	220.5	192.5	169.7	149.1	138.3	129.7	127.9
77.5°	121.9	132.8	145.6	156.8	153.7	137.7	119.8	108.0	100.0	94.3	93.3
80°	93.2	99.4	108.6	116.6	112.5	105.7	91.4	82.8	77.1	71.4	69.1
82.5°	67.5	73.8	79.3	83.6	80.6	74.1	65.3	59.5	56.1	52.2	51.3
85°	35.4	38.8	41.2	42.3	41.2	37.1	33.1	30.8	28.0	26.3	25.7
87.5°	15.8	15.5	15.3	15.9	14.3	13.9	11.9	10.2	10.0	9.9	9.2
90°	10.2	9.0	7.9	6.6	5.2	3.6	2.2	0.6	2.2	3.6	5.2
92.5°	13.2	12.7	12.1	11.9	12.1	12.1	12.3	12.4	12.3	12.1	12.1
95°	22.1	21.2	20.1	22.0	26.5	31.0	35.6	40.0	35.6	31.0	26.5
97.5°	27.7	25.5	23.2	28.5	41.2	54.0	66.7	79.5	66.7	54.0	41.2
100°	30.5	28.2	25.8	34.0	52.8	71.5	90.2	109.0	90.2	71.5	52.8
102.5°	75.0	94.5	113.9	125.6	129.7	133.6	137.6	141.5	137.6	133.6	129.7
105°	112.3	149.6	187.0	203.6	199.6	195.4	191.3	187.3	191.3	195.4	199.6
107.5°	142.2	187.0	231.9	252.6	249.3	246.0	242.6	239.4	242.6	246.0	249.3
110°	186.9	226.4	266.0	284.3	281.5	278.6	275.7	272.9	275.7	278.6	281.5



TEST NUMBER: P331393-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	291.4	301.2	310.9	314.5	312.0	309.4	306.9	304.4	306.9	309.4	312.0
115°	373.2	369.7	366.4	363.4	361.1	358.8	356.5	354.1	356.5	358.8	361.1
117.5°	416.2	413.9	411.5	409.0	406.4	403.8	401.2	398.6	401.2	403.8	406.4
120°	446.5	444.1	441.6	439.4	437.3	435.2	433.2	431.1	433.2	435.2	437.3
122.5°	475.2	472.5	469.8	467.4	465.2	463.0	460.9	458.7	460.9	463.0	465.2
125°	515.2	512.6	510.1	507.8	506.1	504.3	502.5	500.8	502.5	504.3	506.1
127.5°	552.5	550.6	548.6	546.6	544.7	542.8	540.8	538.8	540.8	542.8	544.7
130°	576.5	575.1	573.5	571.7	569.5	567.3	565.2	562.9	565.2	567.3	569.5
132.5°	599.7	598.2	596.7	595.0	593.1	591.3	589.4	587.5	589.4	591.3	593.1
135°	632.5	631.3	630.1	628.4	626.2	624.0	621.8	619.6	621.8	624.0	626.2
137.5°	662.4	661.0	659.6	658.1	656.6	655.0	653.5	652.0	653.5	655.0	656.6
140°	681.9	680.4	678.9	677.5	676.5	675.4	674.2	673.2	674.2	675.4	676.5
142.5°	699.6	697.9	696.2	694.8	693.9	692.9	691.9	691.0	691.9	692.9	693.9
145°	723.9	721.6	719.3	718.2	718.3	718.5	718.6	718.8	718.6	718.5	718.3
147.5°	746.4	744.2	741.8	741.0	741.5	742.0	742.5	743.0	742.5	742.0	741.5
150°	759.9	757.8	755.6	754.9	756.0	756.9	757.9	758.8	757.9	756.9	756.0
152.5°	772.5	770.4	768.4	767.8	768.9	770.0	771.0	772.1	771.0	770.0	768.9
155°	790.0	788.3	786.7	786.5	787.7	788.9	790.2	791.4	790.2	788.9	787.7
157.5°	804.8	803.7	802.5	802.5	803.5	804.5	805.6	806.6	805.6	804.5	803.5
160°	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5	814.6	813.8	813.0
162.5°	821.4	820.7	820.0	820.0	820.9	821.7	822.5	823.4	822.5	821.7	820.9
165°	831.3	830.9	830.4	830.6	831.5	832.3	833.1	834.0	833.1	832.3	831.5
167.5°	839.0	838.7	838.3	838.5	839.4	840.2	841.0	841.8	841.0	840.2	839.4
170°	843.3	843.0	842.7	843.0	843.8	844.6	845.4	846.3	845.4	844.6	843.8
172.5°	846.2	845.9	845.7	845.9	846.7	847.6	848.3	849.2	848.3	847.6	846.7
175°	849.4	849.1	848.9	849.2	850.2	851.1	852.0	853.0	852.0	851.1	850.2
177.5°	850.5	850.3	850.2	850.6	851.4	852.1	852.9	853.7	852.9	852.1	851.4
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331393-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1466.9	1464.1	1454.6	1449.6	1441.3	1433.6	1428.5	1430.8	1432.6	1431.7	1430.4
5°	1424.9	1414.0	1397.4	1383.1	1372.9	1354.0	1346.0	1342.0	1338.6	1334.6	1330.6
7.5°	1374.8	1357.7	1333.9	1313.5	1294.3	1270.9	1257.6	1249.6	1241.4	1232.3	1224.3
10°	1339.2	1315.2	1290.0	1261.5	1238.6	1217.5	1198.6	1186.0	1174.7	1163.7	1155.8
12.5°	1301.7	1274.0	1242.9	1203.9	1178.7	1148.5	1145.6	1123.4	1105.6	1098.9	1089.5
15°	1242.1	1203.2	1163.7	1117.5	1097.5	1070.1	1052.9	1035.8	1020.4	1009.5	1006.7
17.5°	1174.3	1124.0	1084.8	1051.5	1018.7	990.7	974.9	961.2	948.5	934.0	932.0
20°	1122.7	1079.2	1036.4	1007.2	973.5	944.9	925.5	911.8	901.0	892.4	884.9
22.5°	1073.8	1026.2	987.0	955.1	921.9	898.8	883.5	870.2	861.2	851.7	844.7
25°	995.2	958.1	915.2	879.3	851.8	837.0	824.4	813.0	807.3	801.0	793.0
27.5°	926.5	885.3	845.2	817.3	793.2	780.1	771.2	763.4	758.0	754.3	749.8
30°	878.1	836.4	804.9	777.6	757.6	744.4	738.7	734.2	727.9	725.6	723.3
32.5°	831.5	793.9	767.1	743.3	724.2	715.7	710.4	706.3	701.4	699.0	694.5
35°	765.6	734.2	707.8	694.7	679.3	671.8	667.9	662.2	657.5	655.3	654.7
37.5°	703.5	676.2	658.9	642.0	635.5	630.9	625.5	621.6	620.2	619.8	619.3
40°	663.3	641.0	625.6	611.9	609.0	602.2	597.6	594.2	594.2	594.8	594.2
42.5°	626.7	606.7	593.1	581.3	577.9	573.9	569.3	569.0	570.0	571.9	570.0
45°	571.3	557.1	547.3	541.6	535.3	531.3	530.7	532.4	533.0	533.6	535.3
47.5°	520.4	510.8	502.0	495.8	493.0	492.3	491.6	494.6	497.4	498.4	501.0
50°	490.2	479.3	471.9	467.9	465.6	464.5	465.6	469.1	471.3	474.2	475.9
52.5°	456.3	448.7	443.6	440.5	439.5	440.2	440.5	444.4	448.1	449.0	449.9
55°	409.7	403.9	402.8	397.6	399.9	399.3	402.2	404.5	407.9	411.4	411.9
57.5°	363.0	358.4	355.3	355.9	356.5	359.0	361.4	365.4	369.1	372.7	373.1
60°	331.9	329.7	328.0	328.0	329.1	332.5	335.4	339.3	341.6	344.0	345.6
62.5°	303.6	301.4	299.6	300.5	303.5	305.6	308.8	311.0	313.3	315.6	316.4
65°	258.8	257.7	259.4	260.5	261.1	264.0	267.9	269.7	271.9	273.1	277.1
67.5°	217.6	217.7	217.6	219.1	222.5	223.2	227.0	230.9	231.4	233.6	236.2
70°	189.7	190.8	192.0	193.1	196.0	197.1	199.9	201.6	204.0	205.7	207.4
72.5°	164.1	164.3	165.5	165.2	167.6	170.1	172.5	174.3	176.5	178.7	180.4
75°	126.2	126.2	127.4	127.9	130.9	133.7	133.1	134.2	136.6	138.8	140.0
77.5°	92.2	90.9	92.2	92.8	93.7	96.1	96.5	98.2	100.7	100.0	101.3
80°	70.3	68.5	70.3	70.9	70.9	73.7	73.7	74.8	76.5	74.8	76.5
82.5°	50.2	49.3	50.6	50.7	51.7	51.7	52.7	52.9	54.6	53.8	54.6
85°	25.1	24.5	25.1	24.5	25.1	25.7	25.7	25.1	25.1	26.3	24.5
87.5°	9.1	8.9	8.7	8.9	8.6	8.4	8.1	8.2	8.4	7.6	7.7
90°	6.6	7.9	9.0	10.2	11.2	12.3	13.0	13.7	14.4	15.1	15.5
92.5°	11.9	12.1	12.7	13.2	13.8	14.3	14.6	15.0	15.3	15.7	16.0
95°	22.0	20.1	21.2	22.1	23.1	24.0	24.7	25.4	26.1	26.8	27.0
97.5°	28.5	23.2	25.5	27.7	30.0	32.1	32.7	33.2	33.8	34.4	34.7
100°	34.0	25.8	28.2	30.5	32.8	35.1	36.2	37.3	38.4	39.5	40.2
102.5°	125.6	113.9	94.5	75.0	55.5	36.1	37.5	38.9	40.4	41.8	42.7
105°	203.6	187.0	149.6	112.3	74.9	37.5	39.1	40.6	42.1	43.6	44.6
107.5°	252.6	231.9	187.0	142.2	97.4	52.6	51.1	49.5	48.0	46.5	46.0
110°	284.3	266.0	226.4	186.9	147.3	107.8	94.1	80.4	66.7	53.0	46.5



TEST NUMBER: P331393-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	314.5	310.9	301.2	291.4	281.6	271.8	222.0	172.0	122.1	72.2	47.4
115°	363.4	366.4	369.7	373.2	376.6	380.0	316.7	253.3	189.9	126.6	89.9
117.5°	409.0	411.5	413.9	416.2	418.5	420.9	405.6	390.3	374.9	359.6	335.7
120°	439.4	441.6	444.1	446.5	449.0	451.4	453.1	454.8	456.4	458.1	449.6
122.5°	467.4	469.8	472.5	475.2	477.9	480.5	481.5	482.5	483.5	484.5	483.2
125°	507.8	510.1	512.6	515.2	517.8	520.5	521.4	522.4	523.3	524.3	525.0
127.5°	546.6	548.6	550.6	552.5	554.5	556.4	557.8	559.2	560.6	562.0	562.7
130°	571.7	573.5	575.1	576.5	578.1	579.5	581.1	582.6	584.1	585.6	586.3
132.5°	595.0	596.7	598.2	599.7	601.2	602.7	604.0	605.3	606.6	607.9	608.5
135°	628.4	630.1	631.3	632.5	633.8	635.0	636.4	637.7	639.1	640.5	641.0
137.5°	658.1	659.6	661.0	662.4	663.7	665.2	666.5	667.9	669.2	670.5	671.0
140°	677.5	678.9	680.4	681.9	683.4	684.9	686.1	687.3	688.5	689.8	690.1
142.5°	694.8	696.2	697.9	699.6	701.4	703.1	704.2	705.3	706.5	707.6	707.8
145°	718.2	719.3	721.6	723.9	726.3	728.6	729.6	730.6	731.5	732.5	732.5
147.5°	741.0	741.8	744.2	746.4	748.7	751.1	751.7	752.4	753.2	753.9	754.0
150°	754.9	755.6	757.8	759.9	762.2	764.3	765.2	765.9	766.8	767.6	767.7
152.5°	767.8	768.4	770.4	772.5	774.6	776.6	777.5	778.3	779.1	780.0	779.9
155°	786.5	786.7	788.3	790.0	791.6	793.2	794.1	795.0	795.7	796.6	796.4
157.5°	802.5	802.5	803.7	804.8	805.9	807.1	808.0	808.9	809.9	810.8	810.7
160°	812.2	812.2	813.0	813.8	814.6	815.5	816.3	817.1	817.9	818.7	818.6
162.5°	820.0	820.0	820.7	821.4	822.2	822.9	823.8	824.7	825.6	826.6	826.5
165°	830.6	830.4	830.9	831.3	831.6	832.1	833.0	834.0	835.0	835.9	835.9
167.5°	838.5	838.3	838.7	839.0	839.5	839.8	840.8	841.8	842.7	843.7	843.5
170°	843.0	842.7	843.0	843.3	843.5	843.8	844.7	845.7	846.6	847.7	847.5
172.5°	845.9	845.7	845.9	846.2	846.4	846.7	847.7	848.7	849.6	850.6	850.4
175°	849.2	848.9	849.1	849.4	849.6	850.0	850.9	851.9	852.8	853.8	853.6
177.5°	850.6	850.2	850.3	850.5	850.6	850.7	851.4	852.2	853.0	853.8	853.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331393-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1425.7	1424.9	1424.9	1420.7	1424.9	1424.9	1425.7	1430.4	1431.7	1432.6	1430.8
5°	1322.6	1320.9	1318.0	1320.9	1318.0	1320.9	1322.6	1330.6	1334.6	1338.6	1342.0
7.5°	1220.6	1213.7	1212.6	1205.9	1212.6	1213.7	1220.6	1224.3	1232.3	1241.4	1249.6
10°	1146.1	1141.5	1140.9	1130.1	1140.9	1141.5	1146.1	1155.8	1163.7	1174.7	1186.0
12.5°	1089.4	1078.4	1080.6	1074.3	1080.6	1078.4	1089.4	1089.5	1098.9	1105.6	1123.4
15°	991.3	991.3	988.9	979.2	988.9	991.3	991.3	1006.7	1009.5	1020.4	1035.8
17.5°	920.8	919.5	914.1	916.9	914.1	919.5	920.8	932.0	934.0	948.5	961.2
20°	878.7	875.3	868.4	868.4	868.4	875.3	878.7	884.9	892.4	901.0	911.8
22.5°	839.0	838.7	831.4	833.6	831.4	838.7	839.0	844.7	851.7	861.2	870.2
25°	792.4	787.8	784.5	786.1	784.5	787.8	792.4	793.0	801.0	807.3	813.0
27.5°	748.3	745.8	745.5	740.9	745.5	745.8	748.3	749.8	754.3	758.0	763.4
30°	722.7	717.0	718.2	715.3	718.2	717.0	722.7	723.3	725.6	727.9	734.2
32.5°	693.4	691.4	690.3	687.9	690.3	691.4	693.4	694.5	699.0	701.4	706.3
35°	653.6	654.2	651.3	652.5	651.3	654.2	653.6	654.7	655.3	657.5	662.2
37.5°	618.7	620.5	619.2	619.6	619.2	620.5	618.7	619.3	619.8	620.2	621.6
40°	595.9	595.9	595.9	597.6	595.9	595.9	595.9	594.2	594.8	594.2	594.2
42.5°	573.9	573.0	572.1	572.0	572.1	573.0	573.9	570.0	571.9	570.0	569.0
45°	536.5	538.2	538.7	535.9	538.7	538.2	536.5	535.3	533.6	533.0	532.4
47.5°	502.6	502.7	502.6	505.1	502.6	502.7	502.6	501.0	498.4	497.4	494.6
50°	478.8	477.6	478.8	477.6	478.8	477.6	478.8	475.9	474.2	471.3	469.1
52.5°	453.7	453.8	453.1	453.0	453.1	453.8	453.7	449.9	449.0	448.1	444.4
55°	414.2	415.3	414.7	414.7	414.7	415.3	414.2	411.9	411.4	407.9	404.5
57.5°	373.4	374.4	375.2	372.7	375.2	374.4	373.4	373.1	372.7	369.1	365.4
60°	345.1	347.9	347.3	346.2	347.3	347.9	345.1	345.6	344.0	341.6	339.3
62.5°	319.0	320.0	319.9	319.7	319.9	320.0	319.0	316.4	315.6	313.3	311.0
65°	278.8	279.9	278.2	279.9	278.2	279.9	278.8	277.1	273.1	271.9	269.7
67.5°	235.5	235.8	237.1	237.9	237.1	235.8	235.5	236.2	233.6	231.4	230.9
70°	208.5	207.9	209.7	211.4	209.7	207.9	208.5	207.4	205.7	204.0	201.6
72.5°	180.2	181.4	180.9	182.1	180.9	181.4	180.2	180.4	178.7	176.5	174.3
75°	138.8	140.5	140.0	141.7	140.0	140.5	138.8	140.0	138.8	136.6	134.2
77.5°	100.3	100.6	100.3	101.3	100.3	100.6	100.3	101.3	100.0	100.7	98.2
80°	76.5	75.4	74.3	76.5	74.3	75.4	76.5	76.5	74.8	76.5	74.8
82.5°	53.2	53.9	52.8	52.8	52.8	53.9	53.2	54.6	53.8	54.6	52.9
85°	24.5	24.0	22.8	22.8	22.8	24.0	24.5	24.5	26.3	25.1	25.1
87.5°	7.7	7.3	7.4	7.0	7.4	7.3	7.7	7.7	7.6	8.4	8.2
90°	15.8	16.1	16.4	16.6	16.4	16.1	15.8	15.5	15.1	14.4	13.7
92.5°	16.1	16.3	16.4	16.6	16.4	16.3	16.1	16.0	15.7	15.3	15.0
95°	26.9	26.8	26.6	26.5	26.6	26.8	26.9	27.0	26.8	26.1	25.4
97.5°	34.9	35.0	35.2	35.4	35.2	35.0	34.9	34.7	34.4	33.8	33.2
100°	40.5	40.7	41.0	41.2	41.0	40.7	40.5	40.2	39.5	38.4	37.3
102.5°	43.0	43.5	43.8	44.3	43.8	43.5	43.0	42.7	41.8	40.4	38.9
105°	45.2	45.7	46.2	46.8	46.2	45.7	45.2	44.6	43.6	42.1	40.6
107.5°	46.5	47.1	47.6	48.1	47.6	47.1	46.5	46.0	46.5	48.0	49.5
110°	47.0	47.5	48.1	48.6	48.1	47.5	47.0	46.5	53.0	66.7	80.4



TEST NUMBER: P331393-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	47.9	48.3	48.7	49.2	48.7	48.3	47.9	47.4	72.2	122.1	172.0
115°	80.1	70.2	60.4	50.5	60.4	70.2	80.1	89.9	126.6	189.9	253.3
117.5°	303.3	271.0	238.6	206.2	238.6	271.0	303.3	335.7	359.6	374.9	390.3
120°	431.1	412.7	394.2	375.7	394.2	412.7	431.1	449.6	458.1	456.4	454.8
122.5°	479.6	476.0	472.4	468.8	472.4	476.0	479.6	483.2	484.5	483.5	482.5
125°	525.4	525.8	526.2	526.6	526.2	525.8	525.4	525.0	524.3	523.3	522.4
127.5°	562.8	562.9	563.0	563.1	563.0	562.9	562.8	562.7	562.0	560.6	559.2
130°	586.2	586.0	585.8	585.7	585.8	586.0	586.2	586.3	585.6	584.1	582.6
132.5°	608.3	608.2	608.0	607.9	608.0	608.2	608.3	608.5	607.9	606.6	605.3
135°	640.8	640.5	640.2	639.9	640.2	640.5	640.8	641.0	640.5	639.1	637.7
137.5°	670.5	670.0	669.6	669.1	669.6	670.0	670.5	671.0	670.5	669.2	667.9
140°	689.4	688.7	688.0	687.3	688.0	688.7	689.4	690.1	689.8	688.5	687.3
142.5°	707.1	706.5	705.8	705.1	705.8	706.5	707.1	707.8	707.6	706.5	705.3
145°	731.9	731.2	730.6	729.9	730.6	731.2	731.9	732.5	732.5	731.5	730.6
147.5°	753.4	752.8	752.3	751.7	752.3	752.8	753.4	754.0	753.9	753.2	752.4
150°	767.0	766.3	765.6	764.9	765.6	766.3	767.0	767.7	767.6	766.8	765.9
152.5°	779.0	778.1	777.2	776.3	777.2	778.1	779.0	779.9	780.0	779.1	778.3
155°	795.3	794.3	793.2	792.0	793.2	794.3	795.3	796.4	796.6	795.7	795.0
157.5°	809.7	808.6	807.5	806.5	807.5	808.6	809.7	810.7	810.8	809.9	808.9
160°	817.7	816.7	815.8	814.9	815.8	816.7	817.7	818.6	818.7	817.9	817.1
162.5°	825.3	824.1	822.9	821.7	822.9	824.1	825.3	826.5	826.6	825.6	824.7
165°	835.0	834.0	833.0	832.1	833.0	834.0	835.0	835.9	835.9	835.0	834.0
167.5°	842.3	841.1	839.8	838.6	839.8	841.1	842.3	843.5	843.7	842.7	841.8
170°	846.3	845.0	843.8	842.6	843.8	845.0	846.3	847.5	847.7	846.6	845.7
172.5°	849.2	848.0	846.7	845.5	846.7	848.0	849.2	850.4	850.6	849.6	848.7
175°	852.2	850.8	849.5	848.1	849.5	850.8	852.2	853.6	853.8	852.8	851.9
177.5°	852.6	851.7	850.7	849.7	850.7	851.7	852.6	853.7	853.8	853.0	852.2
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331393-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1428.5	1433.6	1441.3	1449.6	1454.6	1464.1	1466.9	1471.4	1475.6	1485.2	1495.2
5°	1346.0	1354.0	1372.9	1383.1	1397.4	1414.0	1424.9	1436.3	1448.9	1470.6	1490.6
7.5°	1257.6	1270.9	1294.3	1313.5	1333.9	1357.7	1374.8	1397.4	1416.2	1446.8	1476.0
10°	1198.6	1217.5	1238.6	1261.5	1290.0	1315.2	1339.2	1367.7	1390.6	1427.1	1461.5
12.5°	1145.6	1148.5	1178.7	1203.9	1242.9	1274.0	1301.7	1338.5	1360.9	1404.3	1440.4
15°	1052.9	1070.1	1097.5	1117.5	1163.7	1203.2	1242.1	1280.3	1306.1	1359.7	1407.1
17.5°	974.9	990.7	1018.7	1051.5	1084.8	1124.0	1174.3	1214.6	1249.6	1311.0	1367.0
20°	925.5	944.9	973.5	1007.2	1036.4	1079.2	1122.7	1168.9	1206.6	1275.7	1341.4
22.5°	883.5	898.8	921.9	955.1	987.0	1026.2	1073.8	1124.1	1163.6	1238.3	1304.8
25°	824.4	837.0	851.8	879.3	915.2	958.1	995.2	1050.7	1108.4	1178.0	1258.6
27.5°	771.2	780.1	793.2	817.3	845.2	885.3	926.5	979.1	1037.2	1112.8	1197.8
30°	738.7	744.4	757.6	777.6	804.9	836.4	878.1	928.4	987.8	1064.4	1148.9
32.5°	710.4	715.7	724.2	743.3	767.1	793.9	831.5	881.8	938.4	1013.7	1107.3
35°	667.9	671.8	679.3	694.7	707.8	734.2	765.6	811.2	864.4	936.4	1033.5
37.5°	625.5	630.9	635.5	642.0	658.9	676.2	703.5	742.1	794.3	866.9	959.5
40°	597.6	602.2	609.0	611.9	625.6	641.0	663.3	698.7	751.3	817.5	907.8
42.5°	569.3	573.9	577.9	581.3	593.1	606.7	626.7	657.1	703.8	768.2	857.6
45°	530.7	531.3	535.3	541.6	547.3	557.1	571.3	597.6	633.6	694.1	775.2
47.5°	491.6	492.3	493.0	495.8	502.0	510.8	520.4	541.7	573.9	622.2	701.2
50°	465.6	464.5	465.6	467.9	471.9	479.3	490.2	505.6	531.9	577.0	649.6
52.5°	440.5	440.2	439.5	440.5	443.6	448.7	456.3	469.5	493.0	534.5	598.4
55°	402.2	399.3	399.9	397.6	402.8	403.9	409.7	420.5	441.1	469.6	529.6
57.5°	361.4	359.0	356.5	355.9	355.3	358.4	363.0	371.6	387.4	412.3	461.1
60°	335.4	332.5	329.1	328.0	328.0	329.7	331.9	338.2	353.1	375.4	415.3
62.5°	308.8	305.6	303.5	300.5	299.6	301.4	303.6	308.1	318.8	339.7	374.2
65°	267.9	264.0	261.1	260.5	259.4	257.7	258.8	263.4	271.9	288.5	315.9
67.5°	227.0	223.2	222.5	219.1	217.6	217.7	217.6	221.4	226.6	240.9	261.3
70°	199.9	197.1	196.0	193.1	192.0	190.8	189.7	193.1	198.3	210.3	228.0
72.5°	172.5	170.1	167.6	165.2	165.5	164.3	164.1	166.2	170.4	181.4	195.0
75°	133.1	133.7	130.9	127.9	127.4	126.2	126.2	127.9	129.7	138.3	149.1
77.5°	96.5	96.1	93.7	92.8	92.2	90.9	92.2	93.3	94.3	100.0	108.0
80°	73.7	73.7	70.9	70.9	70.3	68.5	70.3	69.1	71.4	77.1	82.8
82.5°	52.7	51.7	51.7	50.7	50.6	49.3	50.2	51.3	52.2	56.1	59.5
85°	25.7	25.7	25.1	24.5	25.1	24.5	25.1	25.7	26.3	28.0	30.8
87.5°	8.1	8.4	8.6	8.9	8.7	8.9	9.1	9.2	9.9	10.0	10.2
90°	13.0	12.3	11.2	10.2	9.0	7.9	6.6	5.2	3.6	2.2	0.6
92.5°	14.6	14.3	13.8	13.2	12.7	12.1	11.9	12.1	12.1	12.3	12.4
95°	24.7	24.0	23.1	22.1	21.2	20.1	22.0	26.5	31.0	35.6	40.0
97.5°	32.7	32.1	30.0	27.7	25.5	23.2	28.5	41.2	54.0	66.7	79.5
100°	36.2	35.1	32.8	30.5	28.2	25.8	34.0	52.8	71.5	90.2	109.0
102.5°	37.5	36.1	55.5	75.0	94.5	113.9	125.6	129.7	133.6	137.6	141.5
105°	39.1	37.5	74.9	112.3	149.6	187.0	203.6	199.6	195.4	191.3	187.3
107.5°	51.1	52.6	97.4	142.2	187.0	231.9	252.6	249.3	246.0	242.6	239.4
110°	94.1	107.8	147.3	186.9	226.4	266.0	284.3	281.5	278.6	275.7	272.9



TEST NUMBER: P331393-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	222.0	271.8	281.6	291.4	301.2	310.9	314.5	312.0	309.4	306.9	304.4
115°	316.7	380.0	376.6	373.2	369.7	366.4	363.4	361.1	358.8	356.5	354.1
117.5°	405.6	420.9	418.5	416.2	413.9	411.5	409.0	406.4	403.8	401.2	398.6
120°	453.1	451.4	449.0	446.5	444.1	441.6	439.4	437.3	435.2	433.2	431.1
122.5°	481.5	480.5	477.9	475.2	472.5	469.8	467.4	465.2	463.0	460.9	458.7
125°	521.4	520.5	517.8	515.2	512.6	510.1	507.8	506.1	504.3	502.5	500.8
127.5°	557.8	556.4	554.5	552.5	550.6	548.6	546.6	544.7	542.8	540.8	538.8
130°	581.1	579.5	578.1	576.5	575.1	573.5	571.7	569.5	567.3	565.2	562.9
132.5°	604.0	602.7	601.2	599.7	598.2	596.7	595.0	593.1	591.3	589.4	587.5
135°	636.4	635.0	633.8	632.5	631.3	630.1	628.4	626.2	624.0	621.8	619.6
137.5°	666.5	665.2	663.7	662.4	661.0	659.6	658.1	656.6	655.0	653.5	652.0
140°	686.1	684.9	683.4	681.9	680.4	678.9	677.5	676.5	675.4	674.2	673.2
142.5°	704.2	703.1	701.4	699.6	697.9	696.2	694.8	693.9	692.9	691.9	691.0
145°	729.6	728.6	726.3	723.9	721.6	719.3	718.2	718.3	718.5	718.6	718.8
147.5°	751.7	751.1	748.7	746.4	744.2	741.8	741.0	741.5	742.0	742.5	743.0
150°	765.2	764.3	762.2	759.9	757.8	755.6	754.9	756.0	756.9	757.9	758.8
152.5°	777.5	776.6	774.6	772.5	770.4	768.4	767.8	768.9	770.0	771.0	772.1
155°	794.1	793.2	791.6	790.0	788.3	786.7	786.5	787.7	788.9	790.2	791.4
157.5°	808.0	807.1	805.9	804.8	803.7	802.5	802.5	803.5	804.5	805.6	806.6
160°	816.3	815.5	814.6	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5
162.5°	823.8	822.9	822.2	821.4	820.7	820.0	820.0	820.9	821.7	822.5	823.4
165°	833.0	832.1	831.6	831.3	830.9	830.4	830.6	831.5	832.3	833.1	834.0
167.5°	840.8	839.8	839.5	839.0	838.7	838.3	838.5	839.4	840.2	841.0	841.8
170°	844.7	843.8	843.5	843.3	843.0	842.7	843.0	843.8	844.6	845.4	846.3
172.5°	847.7	846.7	846.4	846.2	845.9	845.7	845.9	846.7	847.6	848.3	849.2
175°	850.9	850.0	849.6	849.4	849.1	848.9	849.2	850.2	851.1	852.0	853.0
177.5°	851.4	850.7	850.6	850.5	850.3	850.2	850.6	851.4	852.1	852.9	853.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331393-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1494.4	1496.6	1503.9	1511.2	1519.5	1521.7	1525.4	1522.2	1521.3	1530.0	1536.4
5°	1498.6	1508.8	1528.9	1547.1	1562.5	1573.4	1584.8	1589.4	1597.9	1610.0	1624.8
7.5°	1493.7	1513.7	1545.2	1571.8	1600.9	1621.7	1638.1	1652.0	1669.0	1691.7	1716.5
10°	1488.2	1515.1	1553.4	1586.0	1621.3	1648.2	1670.5	1692.2	1717.4	1748.8	1781.3
12.5°	1478.3	1510.1	1558.0	1596.5	1641.9	1668.4	1698.4	1745.2	1772.2	1816.0	1861.8
15°	1458.0	1493.4	1560.2	1607.7	1659.1	1709.3	1764.8	1809.4	1853.9	1879.6	1944.2
17.5°	1428.0	1480.0	1553.9	1609.3	1674.6	1753.9	1816.1	1866.6	1918.0	1959.7	1992.1
20°	1403.7	1460.3	1544.8	1611.1	1688.8	1773.9	1845.4	1896.8	1941.3	1976.2	1996.1
22.5°	1373.1	1444.2	1526.6	1604.2	1703.4	1787.6	1862.7	1903.2	1940.4	1957.4	1965.1
25°	1324.9	1410.6	1503.7	1598.5	1710.5	1799.7	1868.2	1892.7	1903.6	1887.1	1859.6
27.5°	1272.9	1368.4	1477.3	1587.8	1706.2	1791.8	1841.0	1837.1	1818.7	1765.1	1722.3
30°	1234.1	1339.2	1456.3	1576.8	1695.7	1779.1	1807.7	1779.1	1737.3	1677.4	1616.3
32.5°	1193.3	1302.2	1433.9	1561.3	1676.5	1749.8	1756.0	1706.8	1642.3	1574.1	1497.9
35°	1131.8	1249.5	1391.7	1526.6	1635.6	1682.0	1654.5	1567.7	1491.2	1398.0	1294.0
37.5°	1062.2	1192.1	1334.8	1475.7	1574.5	1586.7	1518.5	1427.1	1319.1	1209.7	1087.4
40°	1010.1	1147.8	1294.6	1436.8	1524.2	1511.7	1424.9	1324.3	1195.8	1062.0	948.4
42.5°	963.5	1101.1	1250.7	1390.3	1460.3	1425.7	1324.3	1200.9	1062.7	936.9	832.8
45°	882.7	1024.3	1177.5	1312.3	1352.3	1290.0	1155.8	1018.6	882.7	777.6	695.3
47.5°	804.3	944.3	1096.0	1214.5	1228.6	1144.9	998.2	857.1	740.2	654.6	596.6
50°	746.7	887.3	1037.5	1143.2	1138.6	1037.5	886.7	752.4	654.7	585.6	546.7
52.5°	695.1	827.9	972.2	1068.2	1044.0	933.8	789.8	670.6	590.3	536.2	501.0
55°	614.8	737.5	874.7	951.8	907.2	785.0	663.3	567.3	507.9	467.4	439.9
57.5°	534.9	650.1	767.5	815.0	765.8	652.9	551.5	481.8	437.1	407.1	389.3
60°	485.6	586.2	690.7	731.8	673.0	572.5	492.5	430.2	394.2	369.6	353.6
62.5°	436.3	526.3	624.9	647.3	593.5	508.5	437.6	385.9	356.3	334.4	319.3
65°	369.1	442.7	517.6	532.4	482.8	417.1	361.1	327.4	301.1	285.1	273.1
67.5°	302.6	361.9	414.9	426.9	383.3	337.8	297.3	267.9	250.1	236.9	226.7
70°	263.4	310.2	353.6	363.3	328.5	287.9	257.1	233.7	217.7	206.2	196.6
72.5°	221.8	260.9	297.0	303.5	275.0	244.1	218.7	200.3	186.1	178.8	169.5
75°	169.7	192.5	220.5	222.2	203.4	184.5	165.1	153.1	145.7	136.6	132.0
77.5°	119.8	137.7	153.7	156.8	145.6	132.8	121.9	112.4	106.2	101.9	97.7
80°	91.4	105.7	112.5	116.6	108.6	99.4	93.2	86.9	82.8	80.0	77.1
82.5°	65.3	74.1	80.6	83.6	79.3	73.8	67.5	64.0	60.9	58.5	57.5
85°	33.1	37.1	41.2	42.3	41.2	38.8	35.4	35.4	33.7	33.1	33.1
87.5°	11.9	13.9	14.3	15.9	15.3	15.5	15.8	15.5	15.2	15.0	14.6
90°	2.2	3.6	5.2	6.6	7.9	9.0	10.2	11.2	12.3	13.0	13.7
92.5°	12.3	12.1	12.1	11.9	12.1	12.7	13.2	13.8	14.3	14.6	15.0
95°	35.6	31.0	26.5	22.0	20.1	21.2	22.1	23.1	24.0	24.7	25.4
97.5°	66.7	54.0	41.2	28.5	23.2	25.5	27.7	30.0	32.1	32.7	33.2
100°	90.2	71.5	52.8	34.0	25.8	28.2	30.5	32.8	35.1	36.2	37.3
102.5°	137.6	133.6	129.7	125.6	113.9	94.5	75.0	55.5	36.1	37.5	38.9
105°	191.3	195.4	199.6	203.6	187.0	149.6	112.3	74.9	37.5	39.1	40.6
107.5°	242.6	246.0	249.3	252.6	231.9	187.0	142.2	97.4	52.6	51.1	49.5
110°	275.7	278.6	281.5	284.3	266.0	226.4	186.9	147.3	107.8	94.1	80.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	306.9	309.4	312.0	314.5	310.9	301.2	291.4	281.6	271.8	222.0	172.0
115°	356.5	358.8	361.1	363.4	366.4	369.7	373.2	376.6	380.0	316.7	253.3
117.5°	401.2	403.8	406.4	409.0	411.5	413.9	416.2	418.5	420.9	405.6	390.3
120°	433.2	435.2	437.3	439.4	441.6	444.1	446.5	449.0	451.4	453.1	454.8
122.5°	460.9	463.0	465.2	467.4	469.8	472.5	475.2	477.9	480.5	481.5	482.5
125°	502.5	504.3	506.1	507.8	510.1	512.6	515.2	517.8	520.5	521.4	522.4
127.5°	540.8	542.8	544.7	546.6	548.6	550.6	552.5	554.5	556.4	557.8	559.2
130°	565.2	567.3	569.5	571.7	573.5	575.1	576.5	578.1	579.5	581.1	582.6
132.5°	589.4	591.3	593.1	595.0	596.7	598.2	599.7	601.2	602.7	604.0	605.3
135°	621.8	624.0	626.2	628.4	630.1	631.3	632.5	633.8	635.0	636.4	637.7
137.5°	653.5	655.0	656.6	658.1	659.6	661.0	662.4	663.7	665.2	666.5	667.9
140°	674.2	675.4	676.5	677.5	678.9	680.4	681.9	683.4	684.9	686.1	687.3
142.5°	691.9	692.9	693.9	694.8	696.2	697.9	699.6	701.4	703.1	704.2	705.3
145°	718.6	718.5	718.3	718.2	719.3	721.6	723.9	726.3	728.6	729.6	730.6
147.5°	742.5	742.0	741.5	741.0	741.8	744.2	746.4	748.7	751.1	751.7	752.4
150°	757.9	756.9	756.0	754.9	755.6	757.8	759.9	762.2	764.3	765.2	765.9
152.5°	771.0	770.0	768.9	767.8	768.4	770.4	772.5	774.6	776.6	777.5	778.3
155°	790.2	788.9	787.7	786.5	786.7	788.3	790.0	791.6	793.2	794.1	795.0
157.5°	805.6	804.5	803.5	802.5	802.5	803.7	804.8	805.9	807.1	808.0	808.9
160°	814.6	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5	816.3	817.1
162.5°	822.5	821.7	820.9	820.0	820.0	820.7	821.4	822.2	822.9	823.8	824.7
165°	833.1	832.3	831.5	830.6	830.4	830.9	831.3	831.6	832.1	833.0	834.0
167.5°	841.0	840.2	839.4	838.5	838.3	838.7	839.0	839.5	839.8	840.8	841.8
170°	845.4	844.6	843.8	843.0	842.7	843.0	843.3	843.5	843.8	844.7	845.7
172.5°	848.3	847.6	846.7	845.9	845.7	845.9	846.2	846.4	846.7	847.7	848.7
175°	852.0	851.1	850.2	849.2	848.9	849.1	849.4	849.6	850.0	850.9	851.9
177.5°	852.9	852.1	851.4	850.6	850.2	850.3	850.5	850.6	850.7	851.4	852.2
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1541.9	1548.3	1548.3	1549.2	1556.5	1555.6	1555.1
5°	1640.8	1650.5	1651.7	1662.0	1668.8	1666.6	1660.3
7.5°	1734.1	1752.2	1765.9	1773.6	1782.6	1788.2	1785.7
10°	1808.2	1834.4	1850.5	1861.3	1874.5	1884.2	1880.8
12.5°	1875.4	1906.7	1928.6	1947.2	1949.0	1961.4	1953.0
15°	1980.2	2013.3	2016.7	2030.4	2041.3	2040.1	2040.7
17.5°	2014.8	2025.4	2027.6	2027.9	2028.1	2024.0	2015.3
20°	2002.4	1998.5	1988.7	1981.3	1968.2	1966.4	1955.1
22.5°	1944.0	1931.3	1906.9	1890.8	1870.4	1865.0	1861.8
25°	1828.8	1800.8	1762.0	1724.8	1714.5	1694.5	1700.2
27.5°	1670.8	1627.1	1585.0	1554.9	1527.6	1497.6	1506.2
30°	1559.7	1510.5	1451.1	1405.4	1376.3	1347.7	1342.6
32.5°	1427.1	1355.1	1288.9	1248.6	1204.0	1185.9	1166.1
35°	1198.6	1128.3	1062.6	1006.1	973.5	948.4	925.5
37.5°	993.1	912.1	859.1	813.3	789.8	775.4	779.0
40°	865.6	794.7	755.9	721.0	699.3	689.0	691.3
42.5°	762.2	709.2	677.3	653.3	638.0	632.3	630.9
45°	645.0	615.3	589.0	575.3	567.9	561.6	557.6
47.5°	565.0	540.8	526.0	517.8	511.3	504.9	504.8
50°	517.0	501.0	490.8	482.2	477.1	472.5	476.5
52.5°	480.4	465.9	455.6	447.9	446.0	441.9	441.8
55°	426.2	414.7	407.3	400.5	397.1	394.8	391.9
57.5°	376.9	366.0	359.1	354.8	348.3	345.9	345.1
60°	341.6	333.0	326.2	320.5	317.6	313.1	313.1
62.5°	309.2	300.7	294.2	289.9	285.2	283.4	283.9
65°	262.3	255.4	249.1	244.5	243.4	240.0	241.1
67.5°	219.0	214.5	207.8	205.3	203.2	201.3	199.9
70°	190.3	185.7	182.3	178.8	177.1	177.1	177.1
72.5°	166.0	160.6	158.5	154.1	155.2	153.3	151.5
75°	128.5	125.1	123.4	121.7	118.8	118.8	118.8
77.5°	94.6	93.6	91.5	89.7	89.0	88.4	88.7
80°	73.1	72.6	71.4	71.4	70.3	69.7	68.5
82.5°	56.2	54.8	54.1	53.6	53.4	53.2	53.0
85°	32.0	30.8	30.8	31.4	30.3	30.3	30.8
87.5°	15.2	15.3	15.0	15.1	15.6	15.2	15.2
90°	14.4	15.1	15.5	15.8	16.1	16.4	16.6
92.5°	15.3	15.7	16.0	16.1	16.3	16.4	16.6
95°	26.1	26.8	27.0	26.9	26.8	26.6	26.5
97.5°	33.8	34.4	34.7	34.9	35.0	35.2	35.4
100°	38.4	39.5	40.2	40.5	40.7	41.0	41.2
102.5°	40.4	41.8	42.7	43.0	43.5	43.8	44.3
105°	42.1	43.6	44.6	45.2	45.7	46.2	46.8
107.5°	48.0	46.5	46.0	46.5	47.1	47.6	48.1
110°	66.7	53.0	46.5	47.0	47.5	48.1	48.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	122.1	72.2	47.4	47.9	48.3	48.7	49.2
115°	189.9	126.6	89.9	80.1	70.2	60.4	50.5
117.5°	374.9	359.6	335.7	303.3	271.0	238.6	206.2
120°	456.4	458.1	449.6	431.1	412.7	394.2	375.7
122.5°	483.5	484.5	483.2	479.6	476.0	472.4	468.8
125°	523.3	524.3	525.0	525.4	525.8	526.2	526.6
127.5°	560.6	562.0	562.7	562.8	562.9	563.0	563.1
130°	584.1	585.6	586.3	586.2	586.0	585.8	585.7
132.5°	606.6	607.9	608.5	608.3	608.2	608.0	607.9
135°	639.1	640.5	641.0	640.8	640.5	640.2	639.9
137.5°	669.2	670.5	671.0	670.5	670.0	669.6	669.1
140°	688.5	689.8	690.1	689.4	688.7	688.0	687.3
142.5°	706.5	707.6	707.8	707.1	706.5	705.8	705.1
145°	731.5	732.5	732.5	731.9	731.2	730.6	729.9
147.5°	753.2	753.9	754.0	753.4	752.8	752.3	751.7
150°	766.8	767.6	767.7	767.0	766.3	765.6	764.9
152.5°	779.1	780.0	779.9	779.0	778.1	777.2	776.3
155°	795.7	796.6	796.4	795.3	794.3	793.2	792.0
157.5°	809.9	810.8	810.7	809.7	808.6	807.5	806.5
160°	817.9	818.7	818.6	817.7	816.7	815.8	814.9
162.5°	825.6	826.6	826.5	825.3	824.1	822.9	821.7
165°	835.0	835.9	835.9	835.0	834.0	833.0	832.1
167.5°	842.7	843.7	843.5	842.3	841.1	839.8	838.6
170°	846.6	847.7	847.5	846.3	845.0	843.8	842.6
172.5°	849.6	850.6	850.4	849.2	848.0	846.7	845.5
175°	852.8	853.8	853.6	852.2	850.8	849.5	848.1
177.5°	853.0	853.8	853.7	852.6	851.7	850.7	849.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2

(END OF REPORT)