

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: P331395-935

Luminaire Tested: **S122DIP-S865D725U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331395-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
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-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: 5718.2 lumens
Efficiency: N/A
Efficacy: 105.1 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

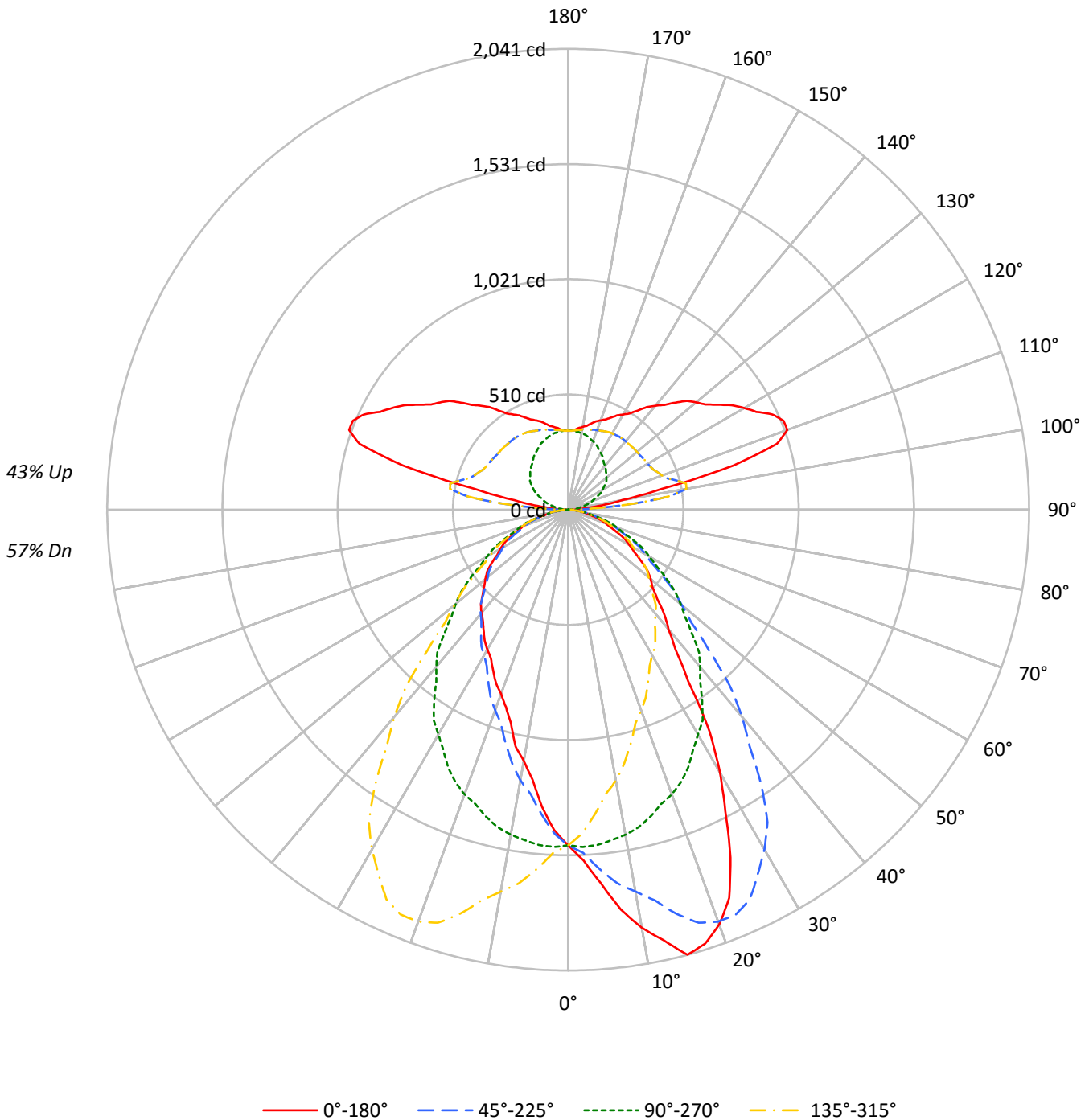
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75	75	75	63	63	63	57
1	100	96	92	89	93	89	86	83	78	75	73	67	65	63	56	55	54	49
2	91	84	78	73	85	79	74	69	69	65	61	59	56	54	50	48	47	42
3	84	75	68	62	78	70	64	59	61	56	52	53	49	46	45	42	40	36
4	77	66	59	53	72	62	56	50	55	49	45	47	43	40	41	38	35	32
5	71	60	52	46	66	56	49	44	49	44	39	43	39	35	37	34	31	28
6	66	54	46	40	61	51	43	38	45	39	35	39	34	31	34	30	28	25
7	61	49	41	35	57	46	39	34	41	35	31	36	31	28	31	27	25	22
8	57	44	37	32	53	42	35	30	37	32	28	33	28	25	29	25	22	20
9	53	41	33	28	49	38	32	27	34	29	25	30	26	23	27	23	20	18
10	49	37	30	26	46	35	29	25	32	26	23	28	24	21	25	21	19	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	7.2
20°-30°	597.3	10.4
30°-40°	630.3	11.0
40°-50°	558.1	9.8
50°-60°	445.4	7.8
60°-70°	302.7	5.3
70°-80°	155.2	2.7
80°-90°	40.6	0.7
90°-100°	139.9	2.4
100°-110°	474.9	8.3
110°-120°	504.5	8.8
120°-130°	415.3	7.3
130°-140°	333.5	5.8
140°-150°	252.0	4.4
150°-160°	177.1	3.1
160°-170°	104.3	1.8
170°-180°	33.9	0.6
0°-30°	1150.5	20.1
0°-40°	1780.8	31.1
0°-60°	2784.3	48.7
0°-90°	3282.8	57.4
90°-120°	1119.3	19.6
90°-150°	2120.1	37.1
90°-180°	2435.0	42.6
0°-180°	5718.2	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°	22	1	22	1	22	13
95°	77	24	77	24	77	100
105°	758	82	758	82	758	734
115°	998	145	998	145	998	977
125°	810	202	810	202	810	732
135°	671	237	671	237	671	521
145°	536	270	536	270	536	340
155°	450	308	450	308	450	210
165°	395	335	395	335	395	113
175°	356	349	356	349	356	35
180°	350	350	350	350	350	



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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°	16.4	16.4	16.8	16.4	16.4	16.6	16.4	16.2	16.8	17.4	17.7
90°	22.2	22.2	22.2	22.2	22.2	21.5	20.2	21.5	22.2	22.9	22.2
92.5°	37.3	38.4	37.8	40.0	40.6	44.7	50.4	58.7	73.9	87.5	86.3
95°	76.7	76.0	78.1	83.4	92.2	107.0	135.3	176.3	230.8	263.8	233.6
97.5°	151.0	156.7	166.5	183.0	215.2	263.8	336.7	411.5	472.5	450.4	339.2
100°	240.9	253.0	272.6	301.5	357.4	438.9	531.1	614.5	628.6	531.7	366.1
102.5°	424.0	440.4	464.8	514.2	574.9	661.2	728.7	747.5	686.7	534.4	355.9
105°	758.5	767.9	796.9	838.6	880.4	902.6	893.8	817.8	677.8	498.7	335.9
107.5°	968.9	981.5	987.2	989.5	984.3	951.7	881.7	767.2	618.6	460.5	325.9
110°	1032.4	1033.1	1027.1	1014.3	985.3	930.1	844.0	723.5	581.5	442.2	323.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1031.4	1027.8	1016.3	994.9	954.7	891.4	799.3	683.7	555.7	430.3	324.3
115°	998.2	992.0	974.6	943.6	895.8	826.5	738.3	634.6	523.7	417.3	327.1
117.5°	938.7	933.7	915.2	882.5	833.8	768.8	688.8	597.8	503.4	411.0	331.9
120°	900.5	893.8	874.3	842.7	795.6	734.3	663.0	579.5	492.7	407.2	335.2
122.5°	860.7	855.1	837.7	806.6	764.3	708.9	641.4	565.0	483.5	405.0	339.0
125°	809.7	804.3	787.5	761.9	722.8	672.4	613.1	543.8	470.5	401.1	344.6
127.5°	765.0	760.7	746.1	722.2	688.1	641.5	585.7	523.0	458.3	398.8	350.4
130°	739.7	734.3	720.8	697.9	665.0	620.5	567.4	509.5	450.3	397.8	354.7
132.5°	713.3	708.4	696.0	673.2	640.8	599.0	550.2	496.5	443.8	397.3	359.0
135°	671.1	668.3	656.3	634.0	605.0	567.4	523.0	478.5	434.8	396.4	364.1
137.5°	629.6	625.5	614.9	595.8	569.4	536.6	501.3	464.2	428.4	396.3	368.7
140°	601.1	597.0	586.9	569.4	547.9	518.2	487.3	455.0	424.7	395.7	370.8
142.5°	572.5	571.7	562.7	546.8	526.3	501.5	474.9	447.5	420.9	395.7	372.5
145°	535.7	533.7	527.0	515.6	499.4	479.9	459.0	436.8	415.9	394.4	374.2
147.5°	504.9	503.7	499.1	490.0	476.6	462.4	446.1	428.6	410.9	392.0	374.8
150°	486.6	485.9	481.9	473.8	463.7	451.6	437.5	422.7	406.5	390.4	374.2
152.5°	471.0	470.9	467.9	460.9	453.0	442.5	430.5	416.7	402.8	387.7	373.2
155°	450.3	451.6	448.9	444.2	436.8	429.4	419.3	408.5	395.7	383.0	371.5
157.5°	432.7	432.7	431.4	427.5	422.2	416.5	408.0	399.0	389.2	378.2	368.4
160°	421.3	421.3	420.7	417.3	412.6	407.9	400.5	393.0	384.4	374.9	366.8
162.5°	410.5	411.1	410.4	408.1	403.5	399.8	393.5	387.1	380.0	372.2	365.2
165°	395.1	395.7	395.7	393.0	390.4	387.7	383.0	378.2	372.9	366.8	362.1
167.5°	380.8	381.6	381.8	380.3	379.1	376.6	373.4	369.8	365.8	362.1	359.0
170°	372.2	373.5	374.2	372.2	371.5	370.1	367.5	365.5	362.1	359.4	357.4
172.5°	365.2	366.0	366.7	365.8	365.1	364.3	362.1	360.6	358.3	356.2	355.2
175°	356.0	357.4	358.1	357.4	357.4	356.7	356.0	355.3	353.4	352.7	352.0
177.5°	350.5	351.6	352.1	352.1	352.1	352.1	351.6	351.6	350.5	350.0	350.5
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



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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°	17.3	16.4	15.8	16.3	14.6	14.3	12.0	10.2	10.2	10.2	9.6
90°	18.2	13.4	10.1	8.1	6.7	5.4	2.7	0.7	2.7	5.4	6.7
92.5°	67.2	45.8	30.6	24.2	19.6	16.7	11.9	8.2	11.9	16.7	19.6
95°	155.5	96.9	66.0	49.8	39.0	33.0	26.3	23.6	26.3	33.0	39.0
97.5°	209.5	127.9	88.9	70.7	58.3	49.2	42.0	38.4	42.0	49.2	58.3
100°	220.8	138.6	103.0	84.1	70.7	59.9	53.8	51.8	53.8	59.9	70.7
102.5°	221.3	148.4	115.4	96.5	82.5	71.7	65.7	64.2	65.7	71.7	82.5
105°	224.8	164.9	133.3	114.4	99.6	89.5	84.8	82.1	84.8	89.5	99.6
107.5°	234.1	181.8	151.2	132.2	117.5	108.2	103.7	101.5	103.7	108.2	117.5
110°	241.6	193.1	163.6	144.0	129.9	121.1	117.1	114.4	117.1	121.1	129.9



TEST NUMBER: P331395-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	249.7	204.0	175.4	155.3	141.7	133.5	129.0	126.2	129.0	133.5	141.7
115°	261.8	220.8	191.8	173.7	160.1	152.1	148.1	144.7	148.1	152.1	160.1
117.5°	274.7	236.3	209.5	190.6	177.7	170.6	166.5	163.8	166.5	170.6	177.7
120°	283.4	247.0	220.8	201.9	188.5	182.4	178.4	175.6	178.4	182.4	188.5
122.5°	290.9	257.3	232.6	213.2	199.8	193.1	189.2	187.0	189.2	193.1	199.8
125°	302.9	272.6	248.3	229.5	216.0	207.9	204.0	201.9	204.0	207.9	216.0
127.5°	314.0	286.9	263.3	243.9	231.0	222.1	216.5	213.8	216.5	222.1	231.0
130°	321.1	295.5	271.9	253.0	239.6	230.1	223.4	220.8	223.4	230.1	239.6
132.5°	328.0	303.0	280.5	261.7	247.7	237.7	230.5	227.2	230.5	237.7	247.7
135°	337.2	313.7	292.1	273.3	257.8	247.7	239.6	236.9	239.6	247.7	257.8
137.5°	344.2	322.3	301.0	283.5	268.1	257.4	249.3	246.1	249.3	257.4	268.1
140°	347.9	327.1	306.9	289.4	274.6	263.8	255.7	253.0	255.7	263.8	274.6
142.5°	351.2	330.9	311.3	294.8	280.5	269.8	262.3	260.0	262.3	269.8	280.5
145°	355.3	336.6	318.3	303.5	290.1	280.0	273.3	270.5	273.3	280.0	290.1
147.5°	357.7	341.1	324.0	310.8	299.6	290.3	283.9	281.9	283.9	290.3	299.6
150°	358.7	343.3	327.8	315.6	305.6	296.8	291.4	289.4	291.4	296.8	305.6
152.5°	359.3	345.4	331.6	320.5	310.9	303.2	297.9	297.0	297.9	303.2	310.9
155°	360.1	348.6	337.2	327.1	319.7	312.3	308.2	307.5	308.2	312.3	319.7
157.5°	360.1	350.9	341.2	332.8	326.8	320.4	317.1	316.5	317.1	320.4	326.8
160°	360.1	352.0	343.9	336.6	331.1	325.7	323.0	322.4	323.0	325.7	331.1
162.5°	359.6	352.6	345.5	339.8	334.9	330.6	327.9	328.3	327.9	330.6	334.9
165°	358.1	353.4	347.3	343.3	339.9	335.9	334.5	335.2	334.5	335.9	339.9
167.5°	357.1	353.2	348.8	346.2	343.8	341.2	340.0	340.9	340.0	341.2	343.8
170°	356.0	352.7	349.3	347.3	345.9	343.9	343.3	344.6	343.3	343.9	345.9
172.5°	354.4	352.1	349.8	348.4	347.6	345.5	345.9	346.7	345.9	345.5	347.6
175°	352.7	351.3	350.0	349.3	349.3	347.9	348.6	349.3	348.6	347.9	349.3
177.5°	351.6	350.5	350.0	350.0	350.0	348.9	349.5	350.5	349.5	348.9	350.0
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331395-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A4

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°	9.4	9.3	9.6	10.5	10.8	10.5	9.9	9.8	9.6	8.9	9.0
90°	8.1	10.1	13.4	18.2	22.2	22.9	22.2	21.5	20.2	21.5	22.2
92.5°	24.2	30.6	45.8	67.2	86.3	87.5	73.9	58.7	50.4	44.7	40.6
95°	49.8	66.0	96.9	155.5	233.6	263.8	230.8	176.3	135.3	107.0	92.2
97.5°	70.7	88.9	127.9	209.5	339.2	450.4	472.5	411.5	336.7	263.8	215.2
100°	84.1	103.0	138.6	220.8	366.1	531.7	628.6	614.5	531.1	438.9	357.4
102.5°	96.5	115.4	148.4	221.3	355.9	534.4	686.7	747.5	728.7	661.2	574.9
105°	114.4	133.3	164.9	224.8	335.9	498.7	677.8	817.8	893.8	902.6	880.4
107.5°	132.2	151.2	181.8	234.1	325.9	460.5	618.6	767.2	881.7	951.7	984.3
110°	144.0	163.6	193.1	241.6	323.7	442.2	581.5	723.5	844.0	930.1	985.3



TEST NUMBER: P331395-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	155.3	175.4	204.0	249.7	324.3	430.3	555.7	683.7	799.3	891.4	954.7
115°	173.7	191.8	220.8	261.8	327.1	417.3	523.7	634.6	738.3	826.5	895.8
117.5°	190.6	209.5	236.3	274.7	331.9	411.0	503.4	597.8	688.8	768.8	833.8
120°	201.9	220.8	247.0	283.4	335.2	407.2	492.7	579.5	663.0	734.3	795.6
122.5°	213.2	232.6	257.3	290.9	339.0	405.0	483.5	565.0	641.4	708.9	764.3
125°	229.5	248.3	272.6	302.9	344.6	401.1	470.5	543.8	613.1	672.4	722.8
127.5°	243.9	263.3	286.9	314.0	350.4	398.8	458.3	523.0	585.7	641.5	688.1
130°	253.0	271.9	295.5	321.1	354.7	397.8	450.3	509.5	567.4	620.5	665.0
132.5°	261.7	280.5	303.0	328.0	359.0	397.3	443.8	496.5	550.2	599.0	640.8
135°	273.3	292.1	313.7	337.2	364.1	396.4	434.8	478.5	523.0	567.4	605.0
137.5°	283.5	301.0	322.3	344.2	368.7	396.3	428.4	464.2	501.3	536.6	569.4
140°	289.4	306.9	327.1	347.9	370.8	395.7	424.7	455.0	487.3	518.2	547.9
142.5°	294.8	311.3	330.9	351.2	372.5	395.7	420.9	447.5	474.9	501.5	526.3
145°	303.5	318.3	336.6	355.3	374.2	394.4	415.9	436.8	459.0	479.9	499.4
147.5°	310.8	324.0	341.1	357.7	374.8	392.0	410.9	428.6	446.1	462.4	476.6
150°	315.6	327.8	343.3	358.7	374.2	390.4	406.5	422.7	437.5	451.6	463.7
152.5°	320.5	331.6	345.4	359.3	373.2	387.7	402.8	416.7	430.5	442.5	453.0
155°	327.1	337.2	348.6	360.1	371.5	383.0	395.7	408.5	419.3	429.4	436.8
157.5°	332.8	341.2	350.9	360.1	368.4	378.2	389.2	399.0	408.0	416.5	422.2
160°	336.6	343.9	352.0	360.1	366.8	374.9	384.4	393.0	400.5	407.9	412.6
162.5°	339.8	345.5	352.6	359.6	365.2	372.2	380.0	387.1	393.5	399.8	403.5
165°	343.3	347.3	353.4	358.1	362.1	366.8	372.9	378.2	383.0	387.7	390.4
167.5°	346.2	348.8	353.2	357.1	359.0	362.1	365.8	369.8	373.4	376.6	379.1
170°	347.3	349.3	352.7	356.0	357.4	359.4	362.1	365.5	367.5	370.1	371.5
172.5°	348.4	349.8	352.1	354.4	355.2	356.2	358.3	360.6	362.1	364.3	365.1
175°	349.3	350.0	351.3	352.7	352.0	352.7	353.4	355.3	356.0	356.7	357.4
177.5°	350.0	350.0	350.5	351.6	350.5	350.0	350.5	351.6	351.6	352.1	352.1
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331395-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A4

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°	9.0	8.5	8.5	8.1	8.5	8.5	9.0	9.0	8.9	9.6	9.8
90°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	21.5	20.2	21.5
92.5°	40.0	37.8	38.4	37.3	38.4	37.8	40.0	40.6	44.7	50.4	58.7
95°	83.4	78.1	76.0	76.7	76.0	78.1	83.4	92.2	107.0	135.3	176.3
97.5°	183.0	166.5	156.7	151.0	156.7	166.5	183.0	215.2	263.8	336.7	411.5
100°	301.5	272.6	253.0	240.9	253.0	272.6	301.5	357.4	438.9	531.1	614.5
102.5°	514.2	464.8	440.4	424.0	440.4	464.8	514.2	574.9	661.2	728.7	747.5
105°	838.6	796.9	767.9	758.5	767.9	796.9	838.6	880.4	902.6	893.8	817.8
107.5°	989.5	987.2	981.5	968.9	981.5	987.2	989.5	984.3	951.7	881.7	767.2
110°	1014.3	1027.1	1033.1	1032.4	1033.1	1027.1	1014.3	985.3	930.1	844.0	723.5



TEST NUMBER: P331395-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	994.9	1016.3	1027.8	1031.4	1027.8	1016.3	994.9	954.7	891.4	799.3	683.7
115°	943.6	974.6	992.0	998.2	992.0	974.6	943.6	895.8	826.5	738.3	634.6
117.5°	882.5	915.2	933.7	938.7	933.7	915.2	882.5	833.8	768.8	688.8	597.8
120°	842.7	874.3	893.8	900.5	893.8	874.3	842.7	795.6	734.3	663.0	579.5
122.5°	806.6	837.7	855.1	860.7	855.1	837.7	806.6	764.3	708.9	641.4	565.0
125°	761.9	787.5	804.3	809.7	804.3	787.5	761.9	722.8	672.4	613.1	543.8
127.5°	722.2	746.1	760.7	765.0	760.7	746.1	722.2	688.1	641.5	585.7	523.0
130°	697.9	720.8	734.3	739.7	734.3	720.8	697.9	665.0	620.5	567.4	509.5
132.5°	673.2	696.0	708.4	713.3	708.4	696.0	673.2	640.8	599.0	550.2	496.5
135°	634.0	656.3	668.3	671.1	668.3	656.3	634.0	605.0	567.4	523.0	478.5
137.5°	595.8	614.9	625.5	629.6	625.5	614.9	595.8	569.4	536.6	501.3	464.2
140°	569.4	586.9	597.0	601.1	597.0	586.9	569.4	547.9	518.2	487.3	455.0
142.5°	546.8	562.7	571.7	572.5	571.7	562.7	546.8	526.3	501.5	474.9	447.5
145°	515.6	527.0	533.7	535.7	533.7	527.0	515.6	499.4	479.9	459.0	436.8
147.5°	490.0	499.1	503.7	504.9	503.7	499.1	490.0	476.6	462.4	446.1	428.6
150°	473.8	481.9	485.9	486.6	485.9	481.9	473.8	463.7	451.6	437.5	422.7
152.5°	460.9	467.9	470.9	471.0	470.9	467.9	460.9	453.0	442.5	430.5	416.7
155°	444.2	448.9	451.6	450.3	451.6	448.9	444.2	436.8	429.4	419.3	408.5
157.5°	427.5	431.4	432.7	432.7	432.7	431.4	427.5	422.2	416.5	408.0	399.0
160°	417.3	420.7	421.3	421.3	421.3	420.7	417.3	412.6	407.9	400.5	393.0
162.5°	408.1	410.4	411.1	410.5	411.1	410.4	408.1	403.5	399.8	393.5	387.1
165°	393.0	395.7	395.7	395.1	395.7	395.7	393.0	390.4	387.7	383.0	378.2
167.5°	380.3	381.8	381.6	380.8	381.6	381.8	380.3	379.1	376.6	373.4	369.8
170°	372.2	374.2	373.5	372.2	373.5	374.2	372.2	371.5	370.1	367.5	365.5
172.5°	365.8	366.7	366.0	365.2	366.0	366.7	365.8	365.1	364.3	362.1	360.6
175°	357.4	358.1	357.4	356.0	357.4	358.1	357.4	357.4	356.7	356.0	355.3
177.5°	352.1	352.1	351.6	350.5	351.6	352.1	352.1	352.1	352.1	351.6	351.6
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331395-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A4

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°	9.9	10.5	10.8	10.5	9.6	9.3	9.4	9.6	10.2	10.2	10.2
90°	22.2	22.9	22.2	18.2	13.4	10.1	8.1	6.7	5.4	2.7	0.7
92.5°	73.9	87.5	86.3	67.2	45.8	30.6	24.2	19.6	16.7	11.9	8.2
95°	230.8	263.8	233.6	155.5	96.9	66.0	49.8	39.0	33.0	26.3	23.6
97.5°	472.5	450.4	339.2	209.5	127.9	88.9	70.7	58.3	49.2	42.0	38.4
100°	628.6	531.7	366.1	220.8	138.6	103.0	84.1	70.7	59.9	53.8	51.8
102.5°	686.7	534.4	355.9	221.3	148.4	115.4	96.5	82.5	71.7	65.7	64.2
105°	677.8	498.7	335.9	224.8	164.9	133.3	114.4	99.6	89.5	84.8	82.1
107.5°	618.6	460.5	325.9	234.1	181.8	151.2	132.2	117.5	108.2	103.7	101.5
110°	581.5	442.2	323.7	241.6	193.1	163.6	144.0	129.9	121.1	117.1	114.4



TEST NUMBER: P331395-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	555.7	430.3	324.3	249.7	204.0	175.4	155.3	141.7	133.5	129.0	126.2
115°	523.7	417.3	327.1	261.8	220.8	191.8	173.7	160.1	152.1	148.1	144.7
117.5°	503.4	411.0	331.9	274.7	236.3	209.5	190.6	177.7	170.6	166.5	163.8
120°	492.7	407.2	335.2	283.4	247.0	220.8	201.9	188.5	182.4	178.4	175.6
122.5°	483.5	405.0	339.0	290.9	257.3	232.6	213.2	199.8	193.1	189.2	187.0
125°	470.5	401.1	344.6	302.9	272.6	248.3	229.5	216.0	207.9	204.0	201.9
127.5°	458.3	398.8	350.4	314.0	286.9	263.3	243.9	231.0	222.1	216.5	213.8
130°	450.3	397.8	354.7	321.1	295.5	271.9	253.0	239.6	230.1	223.4	220.8
132.5°	443.8	397.3	359.0	328.0	303.0	280.5	261.7	247.7	237.7	230.5	227.2
135°	434.8	396.4	364.1	337.2	313.7	292.1	273.3	257.8	247.7	239.6	236.9
137.5°	428.4	396.3	368.7	344.2	322.3	301.0	283.5	268.1	257.4	249.3	246.1
140°	424.7	395.7	370.8	347.9	327.1	306.9	289.4	274.6	263.8	255.7	253.0
142.5°	420.9	395.7	372.5	351.2	330.9	311.3	294.8	280.5	269.8	262.3	260.0
145°	415.9	394.4	374.2	355.3	336.6	318.3	303.5	290.1	280.0	273.3	270.5
147.5°	410.9	392.0	374.8	357.7	341.1	324.0	310.8	299.6	290.3	283.9	281.9
150°	406.5	390.4	374.2	358.7	343.3	327.8	315.6	305.6	296.8	291.4	289.4
152.5°	402.8	387.7	373.2	359.3	345.4	331.6	320.5	310.9	303.2	297.9	297.0
155°	395.7	383.0	371.5	360.1	348.6	337.2	327.1	319.7	312.3	308.2	307.5
157.5°	389.2	378.2	368.4	360.1	350.9	341.2	332.8	326.8	320.4	317.1	316.5
160°	384.4	374.9	366.8	360.1	352.0	343.9	336.6	331.1	325.7	323.0	322.4
162.5°	380.0	372.2	365.2	359.6	352.6	345.5	339.8	334.9	330.6	327.9	328.3
165°	372.9	366.8	362.1	358.1	353.4	347.3	343.3	339.9	335.9	334.5	335.2
167.5°	365.8	362.1	359.0	357.1	353.2	348.8	346.2	343.8	341.2	340.0	340.9
170°	362.1	359.4	357.4	356.0	352.7	349.3	347.3	345.9	343.9	343.3	344.6
172.5°	358.3	356.2	355.2	354.4	352.1	349.8	348.4	347.6	345.5	345.9	346.7
175°	353.4	352.7	352.0	352.7	351.3	350.0	349.3	349.3	347.9	348.6	349.3
177.5°	350.5	350.0	350.5	351.6	350.5	350.0	350.0	350.0	348.9	349.5	350.5
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331395-935

CATALOG NUMBER: S122DIP-S865D725U935-4F0-1E-UDD-A4

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°	12.0	14.3	14.6	16.3	15.8	16.4	17.3	17.7	17.4	16.8	16.2
90°	2.7	5.4	6.7	8.1	10.1	13.4	18.2	22.2	22.9	22.2	21.5
92.5°	11.9	16.7	19.6	24.2	30.6	45.8	67.2	86.3	87.5	73.9	58.7
95°	26.3	33.0	39.0	49.8	66.0	96.9	155.5	233.6	263.8	230.8	176.3
97.5°	42.0	49.2	58.3	70.7	88.9	127.9	209.5	339.2	450.4	472.5	411.5
100°	53.8	59.9	70.7	84.1	103.0	138.6	220.8	366.1	531.7	628.6	614.5
102.5°	65.7	71.7	82.5	96.5	115.4	148.4	221.3	355.9	534.4	686.7	747.5
105°	84.8	89.5	99.6	114.4	133.3	164.9	224.8	335.9	498.7	677.8	817.8
107.5°	103.7	108.2	117.5	132.2	151.2	181.8	234.1	325.9	460.5	618.6	767.2
110°	117.1	121.1	129.9	144.0	163.6	193.1	241.6	323.7	442.2	581.5	723.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	129.0	133.5	141.7	155.3	175.4	204.0	249.7	324.3	430.3	555.7	683.7
115°	148.1	152.1	160.1	173.7	191.8	220.8	261.8	327.1	417.3	523.7	634.6
117.5°	166.5	170.6	177.7	190.6	209.5	236.3	274.7	331.9	411.0	503.4	597.8
120°	178.4	182.4	188.5	201.9	220.8	247.0	283.4	335.2	407.2	492.7	579.5
122.5°	189.2	193.1	199.8	213.2	232.6	257.3	290.9	339.0	405.0	483.5	565.0
125°	204.0	207.9	216.0	229.5	248.3	272.6	302.9	344.6	401.1	470.5	543.8
127.5°	216.5	222.1	231.0	243.9	263.3	286.9	314.0	350.4	398.8	458.3	523.0
130°	223.4	230.1	239.6	253.0	271.9	295.5	321.1	354.7	397.8	450.3	509.5
132.5°	230.5	237.7	247.7	261.7	280.5	303.0	328.0	359.0	397.3	443.8	496.5
135°	239.6	247.7	257.8	273.3	292.1	313.7	337.2	364.1	396.4	434.8	478.5
137.5°	249.3	257.4	268.1	283.5	301.0	322.3	344.2	368.7	396.3	428.4	464.2
140°	255.7	263.8	274.6	289.4	306.9	327.1	347.9	370.8	395.7	424.7	455.0
142.5°	262.3	269.8	280.5	294.8	311.3	330.9	351.2	372.5	395.7	420.9	447.5
145°	273.3	280.0	290.1	303.5	318.3	336.6	355.3	374.2	394.4	415.9	436.8
147.5°	283.9	290.3	299.6	310.8	324.0	341.1	357.7	374.8	392.0	410.9	428.6
150°	291.4	296.8	305.6	315.6	327.8	343.3	358.7	374.2	390.4	406.5	422.7
152.5°	297.9	303.2	310.9	320.5	331.6	345.4	359.3	373.2	387.7	402.8	416.7
155°	308.2	312.3	319.7	327.1	337.2	348.6	360.1	371.5	383.0	395.7	408.5
157.5°	317.1	320.4	326.8	332.8	341.2	350.9	360.1	368.4	378.2	389.2	399.0
160°	323.0	325.7	331.1	336.6	343.9	352.0	360.1	366.8	374.9	384.4	393.0
162.5°	327.9	330.6	334.9	339.8	345.5	352.6	359.6	365.2	372.2	380.0	387.1
165°	334.5	335.9	339.9	343.3	347.3	353.4	358.1	362.1	366.8	372.9	378.2
167.5°	340.0	341.2	343.8	346.2	348.8	353.2	357.1	359.0	362.1	365.8	369.8
170°	343.3	343.9	345.9	347.3	349.3	352.7	356.0	357.4	359.4	362.1	365.5
172.5°	345.9	345.5	347.6	348.4	349.8	352.1	354.4	355.2	356.2	358.3	360.6
175°	348.6	347.9	349.3	349.3	350.0	351.3	352.7	352.0	352.7	353.4	355.3
177.5°	349.5	348.9	350.0	350.0	350.0	350.5	351.6	350.5	350.0	350.5	351.6
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



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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°	16.4	16.6	16.4	16.4	16.8	16.4	16.4
90°	20.2	21.5	22.2	22.2	22.2	22.2	22.2
92.5°	50.4	44.7	40.6	40.0	37.8	38.4	37.3
95°	135.3	107.0	92.2	83.4	78.1	76.0	76.7
97.5°	336.7	263.8	215.2	183.0	166.5	156.7	151.0
100°	531.1	438.9	357.4	301.5	272.6	253.0	240.9
102.5°	728.7	661.2	574.9	514.2	464.8	440.4	424.0
105°	893.8	902.6	880.4	838.6	796.9	767.9	758.5
107.5°	881.7	951.7	984.3	989.5	987.2	981.5	968.9
110°	844.0	930.1	985.3	1014.3	1027.1	1033.1	1032.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	799.3	891.4	954.7	994.9	1016.3	1027.8	1031.4
115°	738.3	826.5	895.8	943.6	974.6	992.0	998.2
117.5°	688.8	768.8	833.8	882.5	915.2	933.7	938.7
120°	663.0	734.3	795.6	842.7	874.3	893.8	900.5
122.5°	641.4	708.9	764.3	806.6	837.7	855.1	860.7
125°	613.1	672.4	722.8	761.9	787.5	804.3	809.7
127.5°	585.7	641.5	688.1	722.2	746.1	760.7	765.0
130°	567.4	620.5	665.0	697.9	720.8	734.3	739.7
132.5°	550.2	599.0	640.8	673.2	696.0	708.4	713.3
135°	523.0	567.4	605.0	634.0	656.3	668.3	671.1
137.5°	501.3	536.6	569.4	595.8	614.9	625.5	629.6
140°	487.3	518.2	547.9	569.4	586.9	597.0	601.1
142.5°	474.9	501.5	526.3	546.8	562.7	571.7	572.5
145°	459.0	479.9	499.4	515.6	527.0	533.7	535.7
147.5°	446.1	462.4	476.6	490.0	499.1	503.7	504.9
150°	437.5	451.6	463.7	473.8	481.9	485.9	486.6
152.5°	430.5	442.5	453.0	460.9	467.9	470.9	471.0
155°	419.3	429.4	436.8	444.2	448.9	451.6	450.3
157.5°	408.0	416.5	422.2	427.5	431.4	432.7	432.7
160°	400.5	407.9	412.6	417.3	420.7	421.3	421.3
162.5°	393.5	399.8	403.5	408.1	410.4	411.1	410.5
165°	383.0	387.7	390.4	393.0	395.7	395.7	395.1
167.5°	373.4	376.6	379.1	380.3	381.8	381.6	380.8
170°	367.5	370.1	371.5	372.2	374.2	373.5	372.2
172.5°	362.1	364.3	365.1	365.8	366.7	366.0	365.2
175°	356.0	356.7	357.4	357.4	358.1	357.4	356.0
177.5°	351.6	352.1	352.1	352.1	352.1	351.6	350.5
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0

(END OF REPORT)