

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: P331562-935

Luminaire Tested: **S122DIW-S865D710U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331562-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S865D710U935-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 710 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5399.6 lumens
Efficiency: N/A
Efficacy: 100.7 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: Semi-Direct

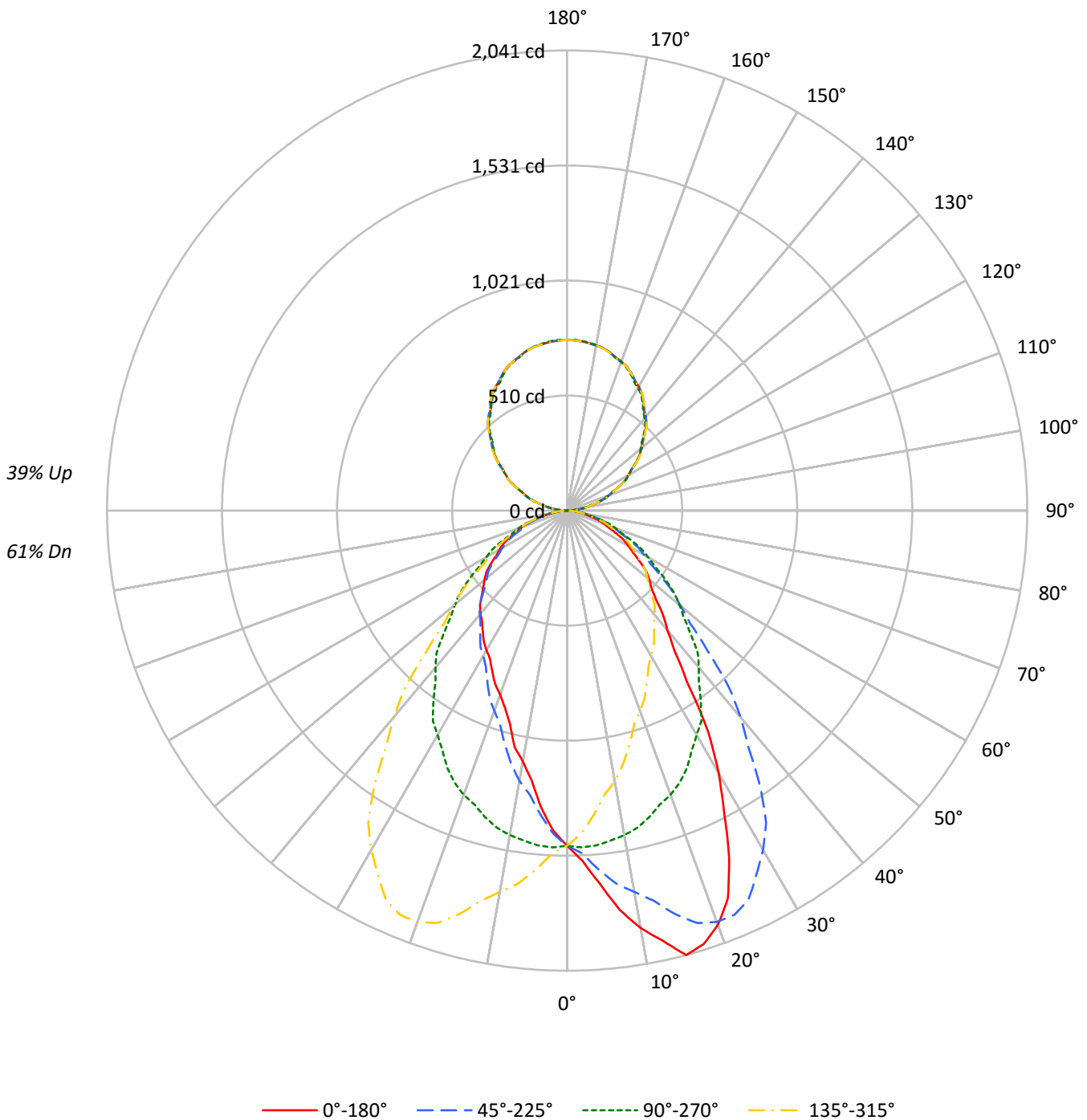
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	101	97	93	89	94	91	87	84	79	77	75	69	67	66	59	58	57	52
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	45
3	85	75	68	62	79	71	65	59	62	58	53	55	51	48	47	45	42	39
4	78	67	59	53	73	63	56	51	56	50	46	49	45	41	43	40	37	34
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	33	30
6	66	54	46	41	62	51	44	39	46	40	36	40	36	32	35	32	29	26
7	61	49	41	36	57	47	40	34	42	36	32	37	32	29	33	29	26	24
8	57	45	37	32	54	43	36	31	38	32	28	34	29	26	30	26	24	21
9	53	41	34	29	50	39	32	28	35	30	26	31	27	23	28	24	21	19
10	50	38	31	26	47	36	30	25	33	27	23	29	25	21	26	22	20	18

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	2.6
10°-20°	411.6	7.6
20°-30°	597.3	11.1
30°-40°	630.3	11.7
40°-50°	558.1	10.3
50°-60°	445.4	8.2
60°-70°	302.7	5.6
70°-80°	155.2	2.9
80°-90°	40.4	0.7
90°-100°	48.0	0.9
100°-110°	149.0	2.8
110°-120°	254.7	4.7
120°-130°	334.9	6.2
130°-140°	375.9	7.0
140°-150°	368.6	6.8
150°-160°	309.2	5.7
160°-170°	205.1	3.8
170°-180°	71.7	1.3
0°-30°	1150.5	21.3
0°-40°	1780.8	33.0
0°-60°	2784.3	51.6
0°-90°	3282.6	60.8
90°-120°	451.7	8.4
90°-150°	1531.1	28.4
90°-180°	2117.0	39.2
0°-180°	5399.6	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	11
95°	40	33	40	33	40	44
105°	142	137	142	137	142	149
115°	256	256	256	256	256	252
125°	373	372	373	372	373	333
135°	487	481	487	481	487	375
145°	590	584	590	584	590	369
155°	673	668	673	668	673	310
165°	727	726	727	726	727	205
175°	753	756	753	756	753	72
180°	757	757	757	757	757	



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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°	16.2	16.2	16.6	16.1	16.1	16.6	16.6	16.3	16.8	17.3	17.1
90°	21.7	21.6	21.4	21.3	21.2	21.3	21.5	21.8	22.0	22.4	19.2
92.5°	20.7	20.7	20.7	20.6	20.6	20.6	20.5	20.4	20.4	20.3	19.5
95°	39.6	39.9	40.2	40.5	40.7	40.9	40.9	40.9	40.9	40.9	40.6
97.5°	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.2
100°	87.6	87.6	87.8	88.0	88.1	88.2	88.2	88.2	88.2	88.2	87.7
102.5°	109.0	109.2	109.3	109.4	109.6	109.6	109.4	109.3	109.3	109.1	108.6
105°	141.8	141.8	141.8	141.8	141.8	141.7	141.4	141.1	140.9	140.6	140.3
107.5°	172.8	173.4	174.1	174.7	175.4	175.6	175.6	175.4	175.3	175.2	175.2
110°	196.8	197.2	197.6	198.0	198.5	198.7	198.7	198.7	198.7	198.7	198.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	219.8	220.1	220.4	220.8	221.0	221.4	221.7	222.1	222.4	222.7	222.8
115°	255.5	256.0	256.4	256.8	257.3	257.5	257.7	257.9	258.0	258.1	258.4
117.5°	289.6	290.1	290.5	290.9	291.4	291.8	292.1	292.5	292.8	293.2	293.9
120°	313.7	314.1	314.5	315.0	315.4	315.6	315.6	315.6	315.6	315.6	316.8
122.5°	337.3	337.5	337.9	338.1	338.5	338.8	339.1	339.5	339.8	340.2	341.0
125°	373.2	373.2	373.4	373.6	373.7	373.9	374.4	374.8	375.2	375.7	376.1
127.5°	405.9	406.3	406.7	407.2	407.7	408.1	408.6	409.1	409.7	410.2	410.7
130°	429.4	429.9	430.5	431.0	431.6	432.0	432.3	432.7	432.9	433.2	433.4
132.5°	451.9	452.3	452.7	453.2	453.7	454.2	454.8	455.5	456.1	456.7	456.7
135°	486.8	487.2	487.7	488.1	488.5	488.9	489.0	489.1	489.2	489.4	489.1
137.5°	518.5	519.1	519.7	520.2	520.8	521.2	521.2	521.3	521.5	521.6	521.2
140°	540.5	541.1	541.7	542.3	542.8	543.0	543.0	543.0	543.0	543.0	542.3
142.5°	560.4	561.0	561.5	562.1	562.7	562.9	562.8	562.7	562.6	562.5	562.0
145°	590.4	590.9	591.5	592.0	592.6	592.8	592.7	592.5	592.4	592.3	591.4
147.5°	617.1	617.6	618.1	618.7	619.2	619.3	619.0	618.7	618.4	618.1	617.5
150°	634.5	634.9	635.2	635.7	636.1	636.1	635.7	635.2	634.9	634.5	633.9
152.5°	650.8	651.3	651.9	652.4	653.0	653.0	652.4	651.9	651.3	650.8	650.1
155°	672.8	673.2	673.6	674.1	674.5	674.3	673.6	672.9	672.2	671.5	671.1
157.5°	691.6	692.3	693.0	693.7	694.4	694.2	693.3	692.3	691.4	690.4	690.2
160°	703.4	704.0	704.6	705.2	705.7	705.6	704.7	703.9	703.0	702.1	702.0
162.5°	713.7	714.4	715.1	715.7	716.4	716.3	715.3	714.3	713.3	712.4	712.2
165°	727.1	727.8	728.5	729.2	730.0	729.8	728.8	727.8	726.8	725.8	725.8
167.5°	738.0	738.8	739.5	740.3	741.0	740.9	739.9	738.9	737.9	736.9	736.9
170°	743.6	744.5	745.4	746.2	747.1	747.0	746.1	745.0	744.1	743.0	743.2
172.5°	748.3	749.2	750.0	750.9	751.7	751.7	750.6	749.7	748.6	747.6	747.8
175°	753.3	754.1	755.0	755.8	756.6	756.6	755.6	754.6	753.6	752.6	752.9
177.5°	755.5	756.2	756.9	757.6	758.3	758.3	757.6	756.9	756.2	755.5	755.8
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



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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°	17.0	16.3	15.7	16.1	14.4	14.0	11.9	10.2	10.1	10.0	9.4
90°	16.1	13.0	9.9	7.5	5.8	4.0	2.3	0.6	2.3	4.0	5.8
92.5°	18.9	18.1	17.4	16.4	15.2	13.9	12.7	11.4	12.7	13.9	15.2
95°	40.3	40.0	39.8	38.9	37.5	36.1	34.6	33.2	34.6	36.1	37.5
97.5°	67.7	67.2	66.6	65.7	64.4	63.2	61.9	60.7	61.9	63.2	64.4
100°	87.3	86.9	86.4	85.7	84.6	83.4	82.3	81.1	82.3	83.4	84.6
102.5°	108.1	107.5	106.9	106.2	105.3	104.4	103.5	102.6	103.5	104.4	105.3
105°	140.0	139.7	139.4	139.1	138.6	138.2	137.8	137.3	137.8	138.2	138.6
107.5°	175.2	175.2	175.2	174.9	174.3	173.7	173.0	172.4	173.0	173.7	174.3
110°	198.7	198.7	198.7	198.3	197.4	196.6	195.7	194.8	195.7	196.6	197.4



TEST NUMBER: P331562-935

CATALOG NUMBER: S122DIW-S865D710U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	222.9	223.1	223.2	222.8	222.0	221.1	220.2	219.4	220.2	221.1	222.0
115°	258.6	259.0	259.2	259.0	258.1	257.3	256.4	255.5	256.4	257.3	258.1
117.5°	294.7	295.5	296.3	296.1	295.0	293.9	292.7	291.6	292.7	293.9	295.0
120°	317.9	319.0	320.1	320.1	319.0	317.9	316.8	315.6	316.8	317.9	319.0
122.5°	341.7	342.5	343.4	343.0	341.6	340.4	339.0	337.6	339.0	340.4	341.6
125°	376.5	376.9	377.4	376.9	375.7	374.4	373.2	371.9	373.2	374.4	375.7
127.5°	411.2	411.7	412.2	411.6	410.0	408.5	406.8	405.2	406.8	408.5	410.0
130°	433.8	434.0	434.3	433.5	431.7	429.8	428.0	426.1	428.0	429.8	431.7
132.5°	456.6	456.5	456.5	455.6	454.2	452.7	451.2	449.7	451.2	452.7	454.2
135°	488.9	488.5	488.3	487.3	485.8	484.2	482.7	481.1	482.7	484.2	485.8
137.5°	520.9	520.5	520.1	519.3	518.1	516.8	515.5	514.2	515.5	516.8	518.1
140°	541.7	541.0	540.2	539.2	538.0	536.7	535.4	534.2	535.4	536.7	538.0
142.5°	561.5	561.0	560.6	559.6	558.4	557.2	555.9	554.6	555.9	557.2	558.4
145°	590.6	589.7	588.8	588.0	586.9	585.9	585.0	583.9	585.0	585.9	586.9
147.5°	616.9	616.4	615.8	614.9	613.7	612.5	611.3	610.2	611.3	612.5	613.7
150°	633.3	632.7	632.1	631.5	630.6	629.7	628.9	628.0	628.9	629.7	630.6
152.5°	649.5	648.8	648.1	647.3	646.4	645.6	644.7	643.9	644.7	645.6	646.4
155°	670.6	670.2	669.8	669.3	668.9	668.5	668.0	667.6	668.0	668.5	668.9
157.5°	689.9	689.7	689.4	689.1	688.8	688.5	688.3	687.9	688.3	688.5	688.8
160°	701.9	701.7	701.6	701.4	701.1	700.8	700.5	700.3	700.5	700.8	701.1
162.5°	712.1	712.0	711.8	711.7	711.6	711.6	711.5	711.4	711.5	711.6	711.6
165°	725.8	725.8	725.8	725.9	726.0	726.2	726.3	726.4	726.3	726.2	726.0
167.5°	736.9	737.0	737.0	737.3	737.7	738.1	738.6	739.0	738.6	738.1	737.7
170°	743.3	743.5	743.6	743.9	744.3	744.8	745.2	745.6	745.2	744.8	744.3
172.5°	748.0	748.0	748.2	748.5	748.9	749.3	749.8	750.2	749.8	749.3	748.9
175°	753.2	753.5	753.8	754.1	754.6	755.0	755.4	755.8	755.4	755.0	754.6
177.5°	756.0	756.2	756.5	756.7	757.1	757.4	757.8	758.1	757.8	757.4	757.1
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



TEST NUMBER: P331562-935

CATALOG NUMBER: S122DIW-S865D710U935-4F0-1E-UDD-A1

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°	9.3	9.3	9.5	10.1	10.2	10.4	9.9	9.8	9.8	8.8	8.8
90°	7.5	9.9	13.0	16.1	19.2	22.4	22.0	21.8	21.5	21.3	21.2
92.5°	16.4	17.4	18.1	18.9	19.5	20.3	20.4	20.4	20.5	20.6	20.6
95°	38.9	39.8	40.0	40.3	40.6	40.9	40.9	40.9	40.9	40.9	40.7
97.5°	65.7	66.6	67.2	67.7	68.2	68.7	68.7	68.7	68.7	68.7	68.7
100°	85.7	86.4	86.9	87.3	87.7	88.2	88.2	88.2	88.2	88.2	88.1
102.5°	106.2	106.9	107.5	108.1	108.6	109.1	109.3	109.3	109.4	109.6	109.6
105°	139.1	139.4	139.7	140.0	140.3	140.6	140.9	141.1	141.4	141.7	141.8
107.5°	174.9	175.2	175.2	175.2	175.2	175.2	175.3	175.4	175.6	175.6	175.4
110°	198.3	198.7	198.7	198.7	198.7	198.7	198.7	198.7	198.7	198.7	198.5



TEST NUMBER: P331562-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	222.8	223.2	223.1	222.9	222.8	222.7	222.4	222.1	221.7	221.4	221.0
115°	259.0	259.2	259.0	258.6	258.4	258.1	258.0	257.9	257.7	257.5	257.3
117.5°	296.1	296.3	295.5	294.7	293.9	293.2	292.8	292.5	292.1	291.8	291.4
120°	320.1	320.1	319.0	317.9	316.8	315.6	315.6	315.6	315.6	315.6	315.4
122.5°	343.0	343.4	342.5	341.7	341.0	340.2	339.8	339.5	339.1	338.8	338.5
125°	376.9	377.4	376.9	376.5	376.1	375.7	375.2	374.8	374.4	373.9	373.7
127.5°	411.6	412.2	411.7	411.2	410.7	410.2	409.7	409.1	408.6	408.1	407.7
130°	433.5	434.3	434.0	433.8	433.4	433.2	432.9	432.7	432.3	432.0	431.6
132.5°	455.6	456.5	456.5	456.6	456.7	456.7	456.1	455.5	454.8	454.2	453.7
135°	487.3	488.3	488.5	488.9	489.1	489.4	489.2	489.1	489.0	488.9	488.5
137.5°	519.3	520.1	520.5	520.9	521.2	521.6	521.5	521.3	521.2	521.2	520.8
140°	539.2	540.2	541.0	541.7	542.3	543.0	543.0	543.0	543.0	543.0	542.8
142.5°	559.6	560.6	561.0	561.5	562.0	562.5	562.6	562.7	562.8	562.9	562.7
145°	588.0	588.8	589.7	590.6	591.4	592.3	592.4	592.5	592.7	592.8	592.6
147.5°	614.9	615.8	616.4	616.9	617.5	618.1	618.4	618.7	619.0	619.3	619.2
150°	631.5	632.1	632.7	633.3	633.9	634.5	634.9	635.2	635.7	636.1	636.1
152.5°	647.3	648.1	648.8	649.5	650.1	650.8	651.3	651.9	652.4	653.0	653.0
155°	669.3	669.8	670.2	670.6	671.1	671.5	672.2	672.9	673.6	674.3	674.5
157.5°	689.1	689.4	689.7	689.9	690.2	690.4	691.4	692.3	693.3	694.2	694.4
160°	701.4	701.6	701.7	701.9	702.0	702.1	703.0	703.9	704.7	705.6	705.7
162.5°	711.7	711.8	712.0	712.1	712.2	712.4	713.3	714.3	715.3	716.3	716.4
165°	725.9	725.8	725.8	725.8	725.8	725.8	726.8	727.8	728.8	729.8	730.0
167.5°	737.3	737.0	737.0	736.9	736.9	736.9	737.9	738.9	739.9	740.9	741.0
170°	743.9	743.6	743.5	743.3	743.2	743.0	744.1	745.0	746.1	747.0	747.1
172.5°	748.5	748.2	748.0	748.0	747.8	747.6	748.6	749.7	750.6	751.7	751.7
175°	754.1	753.8	753.5	753.2	752.9	752.6	753.6	754.6	755.6	756.6	756.6
177.5°	756.7	756.5	756.2	756.0	755.8	755.5	756.2	756.9	757.6	758.3	758.3
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



TEST NUMBER: P331562-935

CATALOG NUMBER: S122DIW-S865D710U935-4F0-1E-UDD-A1

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°	8.9	8.4	8.4	8.0	8.4	8.4	8.9	8.8	8.8	9.8	9.8
90°	21.3	21.4	21.6	21.7	21.6	21.4	21.3	21.2	21.3	21.5	21.8
92.5°	20.6	20.7	20.7	20.7	20.7	20.7	20.6	20.6	20.6	20.5	20.4
95°	40.5	40.2	39.9	39.6	39.9	40.2	40.5	40.7	40.9	40.9	40.9
97.5°	68.7	68.7	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7
100°	88.0	87.8	87.6	87.6	87.6	87.8	88.0	88.1	88.2	88.2	88.2
102.5°	109.4	109.3	109.2	109.0	109.2	109.3	109.4	109.6	109.6	109.4	109.3
105°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.7	141.4	141.1
107.5°	174.7	174.1	173.4	172.8	173.4	174.1	174.7	175.4	175.6	175.6	175.4
110°	198.0	197.6	197.2	196.8	197.2	197.6	198.0	198.5	198.7	198.7	198.7



TEST NUMBER: P331562-935

CATALOG NUMBER: S122DIW-S865D710U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	220.8	220.4	220.1	219.8	220.1	220.4	220.8	221.0	221.4	221.7	222.1
115°	256.8	256.4	256.0	255.5	256.0	256.4	256.8	257.3	257.5	257.7	257.9
117.5°	290.9	290.5	290.1	289.6	290.1	290.5	290.9	291.4	291.8	292.1	292.5
120°	315.0	314.5	314.1	313.7	314.1	314.5	315.0	315.4	315.6	315.6	315.6
122.5°	338.1	337.9	337.5	337.3	337.5	337.9	338.1	338.5	338.8	339.1	339.5
125°	373.6	373.4	373.2	373.2	373.2	373.4	373.6	373.7	373.9	374.4	374.8
127.5°	407.2	406.7	406.3	405.9	406.3	406.7	407.2	407.7	408.1	408.6	409.1
130°	431.0	430.5	429.9	429.4	429.9	430.5	431.0	431.6	432.0	432.3	432.7
132.5°	453.2	452.7	452.3	451.9	452.3	452.7	453.2	453.7	454.2	454.8	455.5
135°	488.1	487.7	487.2	486.8	487.2	487.7	488.1	488.5	488.9	489.0	489.1
137.5°	520.2	519.7	519.1	518.5	519.1	519.7	520.2	520.8	521.2	521.2	521.3
140°	542.3	541.7	541.1	540.5	541.1	541.7	542.3	542.8	543.0	543.0	543.0
142.5°	562.1	561.5	561.0	560.4	561.0	561.5	562.1	562.7	562.9	562.8	562.7
145°	592.0	591.5	590.9	590.4	590.9	591.5	592.0	592.6	592.8	592.7	592.5
147.5°	618.7	618.1	617.6	617.1	617.6	618.1	618.7	619.2	619.3	619.0	618.7
150°	635.7	635.2	634.9	634.5	634.9	635.2	635.7	636.1	636.1	635.7	635.2
152.5°	652.4	651.9	651.3	650.8	651.3	651.9	652.4	653.0	653.0	652.4	651.9
155°	674.1	673.6	673.2	672.8	673.2	673.6	674.1	674.5	674.3	673.6	672.9
157.5°	693.7	693.0	692.3	691.6	692.3	693.0	693.7	694.4	694.2	693.3	692.3
160°	705.2	704.6	704.0	703.4	704.0	704.6	705.2	705.7	705.6	704.7	703.9
162.5°	715.7	715.1	714.4	713.7	714.4	715.1	715.7	716.4	716.3	715.3	714.3
165°	729.2	728.5	727.8	727.1	727.8	728.5	729.2	730.0	729.8	728.8	727.8
167.5°	740.3	739.5	738.8	738.0	738.8	739.5	740.3	741.0	740.9	739.9	738.9
170°	746.2	745.4	744.5	743.6	744.5	745.4	746.2	747.1	747.0	746.1	745.0
172.5°	750.9	750.0	749.2	748.3	749.2	750.0	750.9	751.7	751.7	750.6	749.7
175°	755.8	755.0	754.1	753.3	754.1	755.0	755.8	756.6	756.6	755.6	754.6
177.5°	757.6	756.9	756.2	755.5	756.2	756.9	757.6	758.3	758.3	757.6	756.9
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



TEST NUMBER: P331562-935

CATALOG NUMBER: S122DIW-S865D710U935-4F0-1E-UDD-A1

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	10.4	10.2	10.1	9.5	9.3	9.3	9.4	10.0	10.1	10.2
90°	22.0	22.4	19.2	16.1	13.0	9.9	7.5	5.8	4.0	2.3	0.6
92.5°	20.4	20.3	19.5	18.9	18.1	17.4	16.4	15.2	13.9	12.7	11.4
95°	40.9	40.9	40.6	40.3	40.0	39.8	38.9	37.5	36.1	34.6	33.2
97.5°	68.7	68.7	68.2	67.7	67.2	66.6	65.7	64.4	63.2	61.9	60.7
100°	88.2	88.2	87.7	87.3	86.9	86.4	85.7	84.6	83.4	82.3	81.1
102.5°	109.3	109.1	108.6	108.1	107.5	106.9	106.2	105.3	104.4	103.5	102.6
105°	140.9	140.6	140.3	140.0	139.7	139.4	139.1	138.6	138.2	137.8	137.3
107.5°	175.3	175.2	175.2	175.2	175.2	175.2	174.9	174.3	173.7	173.0	172.4
110°	198.7	198.7	198.7	198.7	198.7	198.7	198.3	197.4	196.6	195.7	194.8



TEST NUMBER: P331562-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	222.4	222.7	222.8	222.9	223.1	223.2	222.8	222.0	221.1	220.2	219.4
115°	258.0	258.1	258.4	258.6	259.0	259.2	259.0	258.1	257.3	256.4	255.5
117.5°	292.8	293.2	293.9	294.7	295.5	296.3	296.1	295.0	293.9	292.7	291.6
120°	315.6	315.6	316.8	317.9	319.0	320.1	320.1	319.0	317.9	316.8	315.6
122.5°	339.8	340.2	341.0	341.7	342.5	343.4	343.0	341.6	340.4	339.0	337.6
125°	375.2	375.7	376.1	376.5	376.9	377.4	376.9	375.7	374.4	373.2	371.9
127.5°	409.7	410.2	410.7	411.2	411.7	412.2	411.6	410.0	408.5	406.8	405.2
130°	432.9	433.2	433.4	433.8	434.0	434.3	433.5	431.7	429.8	428.0	426.1
132.5°	456.1	456.7	456.7	456.6	456.5	456.5	455.6	454.2	452.7	451.2	449.7
135°	489.2	489.4	489.1	488.9	488.5	488.3	487.3	485.8	484.2	482.7	481.1
137.5°	521.5	521.6	521.2	520.9	520.5	520.1	519.3	518.1	516.8	515.5	514.2
140°	543.0	543.0	542.3	541.7	541.0	540.2	539.2	538.0	536.7	535.4	534.2
142.5°	562.6	562.5	562.0	561.5	561.0	560.6	559.6	558.4	557.2	555.9	554.6
145°	592.4	592.3	591.4	590.6	589.7	588.8	588.0	586.9	585.9	585.0	583.9
147.5°	618.4	618.1	617.5	616.9	616.4	615.8	614.9	613.7	612.5	611.3	610.2
150°	634.9	634.5	633.9	633.3	632.7	632.1	631.5	630.6	629.7	628.9	628.0
152.5°	651.3	650.8	650.1	649.5	648.8	648.1	647.3	646.4	645.6	644.7	643.9
155°	672.2	671.5	671.1	670.6	670.2	669.8	669.3	668.9	668.5	668.0	667.6
157.5°	691.4	690.4	690.2	689.9	689.7	689.4	689.1	688.8	688.5	688.3	687.9
160°	703.0	702.1	702.0	701.9	701.7	701.6	701.4	701.1	700.8	700.5	700.3
162.5°	713.3	712.4	712.2	712.1	712.0	711.8	711.7	711.6	711.6	711.5	711.4
165°	726.8	725.8	725.8	725.8	725.8	725.8	725.9	726.0	726.2	726.3	726.4
167.5°	737.9	736.9	736.9	736.9	737.0	737.0	737.3	737.7	738.1	738.6	739.0
170°	744.1	743.0	743.2	743.3	743.5	743.6	743.9	744.3	744.8	745.2	745.6
172.5°	748.6	747.6	747.8	748.0	748.0	748.2	748.5	748.9	749.3	749.8	750.2
175°	753.6	752.6	752.9	753.2	753.5	753.8	754.1	754.6	755.0	755.4	755.8
177.5°	756.2	755.5	755.8	756.0	756.2	756.5	756.7	757.1	757.4	757.8	758.1
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



TEST NUMBER: P331562-935

CATALOG NUMBER: S122DIW-S865D710U935-4F0-1E-UDD-A1

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	14.0	14.4	16.1	15.7	16.3	17.0	17.1	17.3	16.8	16.3
90°	2.3	4.0	5.8	7.5	9.9	13.0	16.1	19.2	22.4	22.0	21.8
92.5°	12.7	13.9	15.2	16.4	17.4	18.1	18.9	19.5	20.3	20.4	20.4
95°	34.6	36.1	37.5	38.9	39.8	40.0	40.3	40.6	40.9	40.9	40.9
97.5°	61.9	63.2	64.4	65.7	66.6	67.2	67.7	68.2	68.7	68.7	68.7
100°	82.3	83.4	84.6	85.7	86.4	86.9	87.3	87.7	88.2	88.2	88.2
102.5°	103.5	104.4	105.3	106.2	106.9	107.5	108.1	108.6	109.1	109.3	109.3
105°	137.8	138.2	138.6	139.1	139.4	139.7	140.0	140.3	140.6	140.9	141.1
107.5°	173.0	173.7	174.3	174.9	175.2	175.2	175.2	175.2	175.2	175.3	175.4
110°	195.7	196.6	197.4	198.3	198.7	198.7	198.7	198.7	198.7	198.7	198.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	220.2	221.1	222.0	222.8	223.2	223.1	222.9	222.8	222.7	222.4	222.1
115°	256.4	257.3	258.1	259.0	259.2	259.0	258.6	258.4	258.1	258.0	257.9
117.5°	292.7	293.9	295.0	296.1	296.3	295.5	294.7	293.9	293.2	292.8	292.5
120°	316.8	317.9	319.0	320.1	320.1	319.0	317.9	316.8	315.6	315.6	315.6
122.5°	339.0	340.4	341.6	343.0	343.4	342.5	341.7	341.0	340.2	339.8	339.5
125°	373.2	374.4	375.7	376.9	377.4	376.9	376.5	376.1	375.7	375.2	374.8
127.5°	406.8	408.5	410.0	411.6	412.2	411.7	411.2	410.7	410.2	409.7	409.1
130°	428.0	429.8	431.7	433.5	434.3	434.0	433.8	433.4	433.2	432.9	432.7
132.5°	451.2	452.7	454.2	455.6	456.5	456.5	456.6	456.7	456.7	456.1	455.5
135°	482.7	484.2	485.8	487.3	488.3	488.5	488.9	489.1	489.4	489.2	489.1
137.5°	515.5	516.8	518.1	519.3	520.1	520.5	520.9	521.2	521.6	521.5	521.3
140°	535.4	536.7	538.0	539.2	540.2	541.0	541.7	542.3	543.0	543.0	543.0
142.5°	555.9	557.2	558.4	559.6	560.6	561.0	561.5	562.0	562.5	562.6	562.7
145°	585.0	585.9	586.9	588.0	588.8	589.7	590.6	591.4	592.3	592.4	592.5
147.5°	611.3	612.5	613.7	614.9	615.8	616.4	616.9	617.5	618.1	618.4	618.7
150°	628.9	629.7	630.6	631.5	632.1	632.7	633.3	633.9	634.5	634.9	635.2
152.5°	644.7	645.6	646.4	647.3	648.1	648.8	649.5	650.1	650.8	651.3	651.9
155°	668.0	668.5	668.9	669.3	669.8	670.2	670.6	671.1	671.5	672.2	672.9
157.5°	688.3	688.5	688.8	689.1	689.4	689.7	689.9	690.2	690.4	691.4	692.3
160°	700.5	700.8	701.1	701.4	701.6	701.7	701.9	702.0	702.1	703.0	703.9
162.5°	711.5	711.6	711.6	711.7	711.8	712.0	712.1	712.2	712.4	713.3	714.3
165°	726.3	726.2	726.0	725.9	725.8	725.8	725.8	725.8	725.8	726.8	727.8
167.5°	738.6	738.1	737.7	737.3	737.0	737.0	736.9	736.9	736.9	737.9	738.9
170°	745.2	744.8	744.3	743.9	743.6	743.5	743.3	743.2	743.0	744.1	745.0
172.5°	749.8	749.3	748.9	748.5	748.2	748.0	748.0	747.8	747.6	748.6	749.7
175°	755.4	755.0	754.6	754.1	753.8	753.5	753.2	752.9	752.6	753.6	754.6
177.5°	757.8	757.4	757.1	756.7	756.5	756.2	756.0	755.8	755.5	756.2	756.9
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



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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°	16.6	16.6	16.1	16.1	16.6	16.2	16.2
90°	21.5	21.3	21.2	21.3	21.4	21.6	21.7
92.5°	20.5	20.6	20.6	20.6	20.7	20.7	20.7
95°	40.9	40.9	40.7	40.5	40.2	39.9	39.6
97.5°	68.7	68.7	68.7	68.7	68.7	68.6	68.6
100°	88.2	88.2	88.1	88.0	87.8	87.6	87.6
102.5°	109.4	109.6	109.6	109.4	109.3	109.2	109.0
105°	141.4	141.7	141.8	141.8	141.8	141.8	141.8
107.5°	175.6	175.6	175.4	174.7	174.1	173.4	172.8
110°	198.7	198.7	198.5	198.0	197.6	197.2	196.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	221.7	221.4	221.0	220.8	220.4	220.1	219.8
115°	257.7	257.5	257.3	256.8	256.4	256.0	255.5
117.5°	292.1	291.8	291.4	290.9	290.5	290.1	289.6
120°	315.6	315.6	315.4	315.0	314.5	314.1	313.7
122.5°	339.1	338.8	338.5	338.1	337.9	337.5	337.3
125°	374.4	373.9	373.7	373.6	373.4	373.2	373.2
127.5°	408.6	408.1	407.7	407.2	406.7	406.3	405.9
130°	432.3	432.0	431.6	431.0	430.5	429.9	429.4
132.5°	454.8	454.2	453.7	453.2	452.7	452.3	451.9
135°	489.0	488.9	488.5	488.1	487.7	487.2	486.8
137.5°	521.2	521.2	520.8	520.2	519.7	519.1	518.5
140°	543.0	543.0	542.8	542.3	541.7	541.1	540.5
142.5°	562.8	562.9	562.7	562.1	561.5	561.0	560.4
145°	592.7	592.8	592.6	592.0	591.5	590.9	590.4
147.5°	619.0	619.3	619.2	618.7	618.1	617.6	617.1
150°	635.7	636.1	636.1	635.7	635.2	634.9	634.5
152.5°	652.4	653.0	653.0	652.4	651.9	651.3	650.8
155°	673.6	674.3	674.5	674.1	673.6	673.2	672.8
157.5°	693.3	694.2	694.4	693.7	693.0	692.3	691.6
160°	704.7	705.6	705.7	705.2	704.6	704.0	703.4
162.5°	715.3	716.3	716.4	715.7	715.1	714.4	713.7
165°	728.8	729.8	730.0	729.2	728.5	727.8	727.1
167.5°	739.9	740.9	741.0	740.3	739.5	738.8	738.0
170°	746.1	747.0	747.1	746.2	745.4	744.5	743.6
172.5°	750.6	751.7	751.7	750.9	750.0	749.2	748.3
175°	755.6	756.6	756.6	755.8	755.0	754.1	753.3
177.5°	757.6	758.3	758.3	757.6	756.9	756.2	755.5
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1

(END OF REPORT)