

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: P332781

Luminaire Tested: **S124DIW-S795D770U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332781  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIW-S795D770U835-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 770 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6615.0 lumens  
Efficiency: N/A  
Efficacy: 147.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

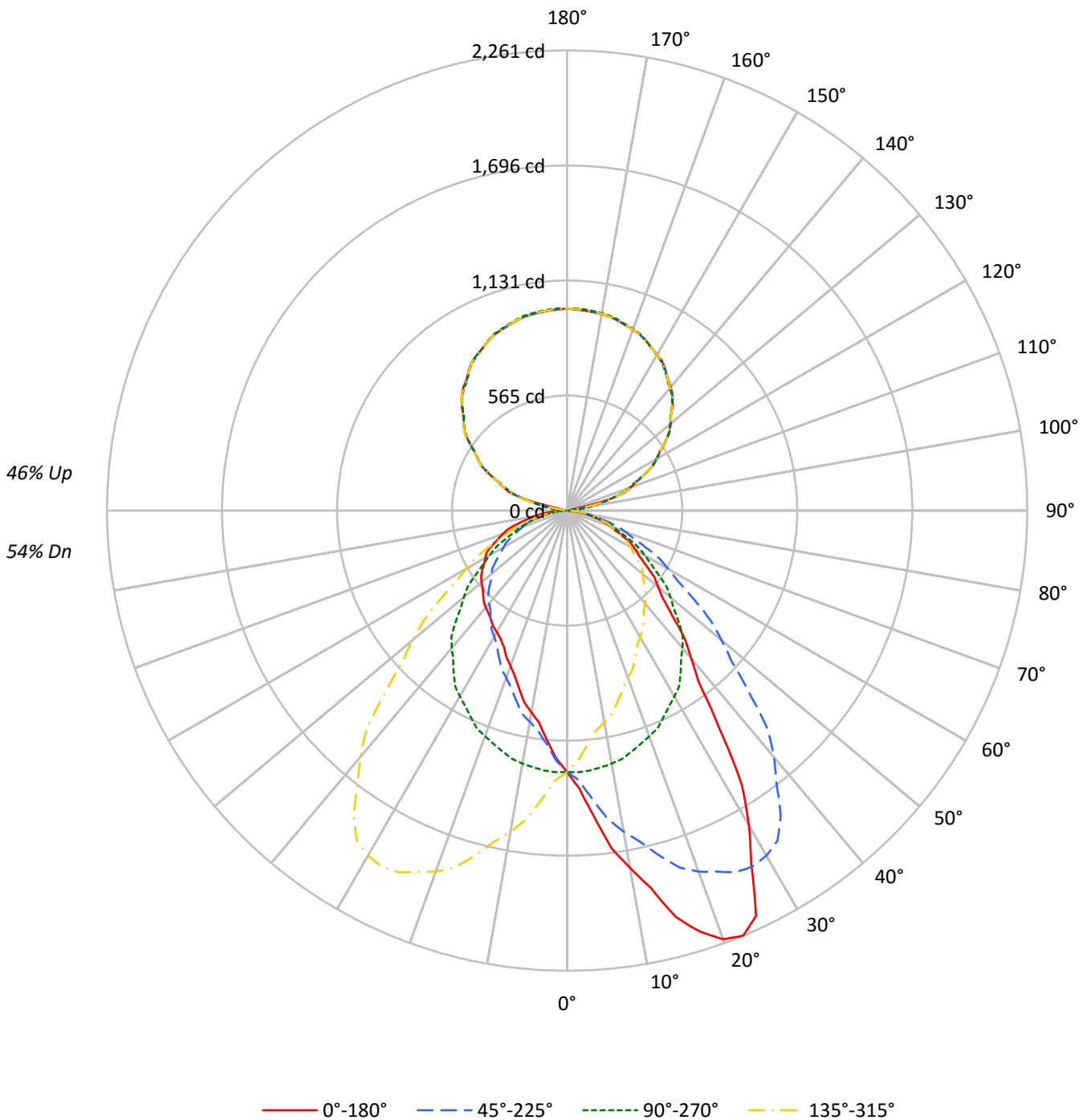
Input Watts (W): 45  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54
1	99	95	91	87	91	88	85	82	75	73	71	64	62	60	53	52	51	46
2	90	83	77	72	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	66	60	76	68	62	57	59	54	50	50	46	43	42	39	37	33
4	76	65	57	51	70	60	54	48	52	47	43	45	40	37	37	34	32	28
5	69	58	50	44	64	54	47	42	47	41	37	40	36	32	34	31	28	25
6	64	52	44	38	59	49	41	36	42	37	32	36	32	29	31	27	25	22
7	59	47	39	34	55	44	37	32	38	33	29	33	29	25	28	25	22	20
8	55	43	35	30	51	40	33	28	35	29	25	30	26	23	26	22	20	18
9	51	39	32	27	48	37	30	25	32	27	23	28	24	20	24	20	18	16
10	48	36	29	24	44	34	27	23	30	24	21	26	22	18	22	19	16	14

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	10365	10365	10365	10365
5°	12206	10391	9172	10391
10°	14614	10346	8257	10346
15°	17291	10242	7583	10242
20°	19254	10134	6981	10134
25°	19565	9977	6566	9977
30°	16648	9826	6435	9826
35°	12799	9581	6436	9581
40°	9977	9293	6558	9293
45°	8318	8859	6667	8859
50°	7321	8329	6894	8329
55°	6707	7695	7171	7695
60°	6286	7127	7505	7127
65°	5851	6491	7782	6491
70°	5349	5863	7959	5863
75°	4779	5159	7863	5159
80°	4007	4226	7615	4226
85°	2955	3057	7290	3057



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.1	1.9
10°-20°	385.5	5.8
20°-30°	611.3	9.2
30°-40°	680.3	10.3
40°-50°	619.3	9.4
50°-60°	506.1	7.7
60°-70°	361.3	5.5
70°-80°	198.9	3.0
80°-90°	57.2	0.9
90°-100°	33.9	0.5
100°-110°	216.4	3.3
110°-120°	414.0	6.3
120°-130°	525.6	7.9
130°-140°	562.3	8.5
140°-150°	525.8	7.9
150°-160°	424.0	6.4
160°-170°	273.5	4.1
170°-180°	94.3	1.4
0°-30°	1121.9	17.0
0°-40°	1802.3	27.2
0°-60°	2927.7	44.3
0°-90°	3545.1	53.6
90°-120°	664.4	10.0
90°-150°	2278.1	34.4
90°-180°	3070.0	46.4
0°-180°	6615.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1284	1284	1284	1284	1284	
5°	1506	1282	1132	1282	1506	153
15°	2069	1225	907	1225	2069	585
25°	2196	1120	737	1120	2196	968
35°	1299	972	653	972	1299	824
45°	729	776	584	776	729	574
55°	476	547	510	547	476	430
65°	306	340	407	340	306	303
75°	153	165	252	165	153	163
85°	32	33	79	33	32	39
90°	22	2	22	2	22	11
95°	22	41	22	41	22	17
105°	212	223	212	223	212	185
115°	420	417	420	417	420	416
125°	591	586	591	586	591	526
135°	733	727	733	727	733	564
145°	843	839	843	839	843	527
155°	919	920	919	920	919	424
165°	966	970	966	970	966	273
175°	986	992	986	992	986	94
180°	992	992	992	992	992	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1366.4	1366.0	1361.7	1360.9	1357.9	1354.1	1353.2	1346.4	1332.8	1326.4	1324.7
5°	1506.2	1516.8	1503.0	1500.3	1498.7	1481.2	1472.1	1461.5	1437.0	1422.7	1411.5
7.5°	1673.0	1674.2	1668.2	1663.3	1649.8	1634.4	1611.5	1587.0	1557.9	1527.5	1504.7
10°	1782.7	1787.0	1780.1	1779.0	1751.9	1734.9	1700.8	1672.1	1639.1	1602.4	1568.9
12.5°	1898.5	1892.5	1889.0	1866.2	1861.2	1830.2	1790.6	1761.0	1710.2	1668.0	1623.4
15°	2068.9	2057.2	2049.7	2018.3	2002.9	1959.8	1917.8	1885.4	1818.9	1755.6	1707.7
17.5°	2168.8	2180.5	2163.3	2150.4	2110.5	2080.3	2037.4	1969.3	1917.3	1838.7	1778.3
20°	2241.2	2242.2	2232.7	2219.4	2188.0	2149.7	2102.9	2028.4	1966.2	1888.0	1805.1
22.5°	2260.7	2261.0	2256.9	2244.5	2220.7	2189.7	2142.5	2080.3	2004.9	1919.9	1837.0
25°	2196.5	2194.4	2199.2	2213.0	2203.9	2194.4	2167.2	2121.0	2050.8	1960.9	1871.5
27.5°	1957.8	1972.5	1999.5	2033.5	2066.3	2091.3	2098.3	2088.8	2045.3	1971.4	1877.8
30°	1785.9	1804.0	1824.2	1858.2	1924.2	1962.0	2003.4	2034.8	2017.3	1958.2	1871.0
32.5°	1597.0	1601.5	1631.5	1670.2	1730.6	1803.3	1869.0	1932.7	1953.9	1922.9	1850.2
35°	1298.7	1306.2	1338.6	1376.9	1450.9	1539.7	1638.6	1726.9	1799.7	1829.0	1791.8
37.5°	1059.8	1081.2	1104.1	1145.3	1210.4	1290.3	1393.1	1507.3	1615.9	1688.7	1701.0
40°	946.7	960.0	976.5	1007.8	1063.1	1141.9	1230.1	1361.0	1476.4	1580.6	1614.7
42.5°	857.3	865.1	875.2	903.6	945.7	1024.0	1104.6	1219.7	1335.6	1460.2	1517.2
45°	728.6	736.6	753.6	770.1	802.0	856.3	931.2	1025.9	1142.4	1262.6	1367.9
47.5°	635.7	640.8	650.9	668.5	695.6	731.4	792.4	871.5	979.4	1096.1	1208.3
50°	582.9	587.1	595.1	611.1	631.8	663.7	713.7	787.7	872.2	989.8	1099.8
52.5°	541.2	542.9	548.8	559.6	576.1	602.9	643.9	705.1	783.7	888.5	998.2
55°	476.5	478.7	484.0	492.0	506.3	523.3	554.7	600.4	669.1	760.0	855.2
57.5°	423.3	424.8	429.3	432.4	444.2	458.0	482.2	514.8	566.8	643.9	728.9
60°	389.3	388.2	393.6	396.2	404.2	415.9	434.5	465.9	511.1	573.3	651.5
62.5°	356.1	354.6	359.1	362.6	367.2	377.2	392.4	417.0	453.7	509.9	577.5
65°	306.3	304.2	306.9	311.1	315.4	320.7	331.9	353.7	382.9	423.3	474.9
67.5°	256.3	258.6	259.0	261.1	263.6	270.8	278.5	293.9	314.5	346.9	390.6
70°	226.6	227.1	229.2	229.2	230.8	237.2	243.6	252.6	272.8	302.6	338.2
72.5°	196.8	199.0	198.2	199.9	201.0	205.3	210.0	218.6	235.8	257.9	288.0
75°	153.2	154.8	154.8	155.3	156.9	158.5	162.2	168.6	180.8	197.3	218.1
77.5°	111.7	111.9	112.6	114.6	114.6	117.1	119.9	125.0	131.0	142.3	155.0
80°	86.2	87.2	86.7	87.8	87.8	89.9	90.9	97.3	100.0	107.4	117.5
82.5°	63.2	64.2	64.1	65.6	66.5	66.9	68.4	70.9	73.6	80.2	84.3
85°	31.9	33.0	31.9	33.0	34.6	35.1	36.7	37.2	39.4	41.0	44.7
87.5°	13.8	15.0	15.0	15.3	16.1	16.4	16.6	16.0	17.5	17.7	19.2
90°	22.3	21.9	21.6	21.3	20.9	20.3	19.3	18.3	17.3	16.3	15.0
92.5°	20.5	20.4	20.4	20.3	20.2	19.7	18.7	17.7	16.7	15.7	14.4
95°	21.5	21.4	21.2	21.0	20.9	20.3	19.3	18.3	17.3	16.3	16.2
97.5°	20.8	20.6	20.5	20.3	20.1	20.0	19.9	19.8	19.7	19.6	38.0
100°	20.8	20.6	20.5	20.3	20.1	21.4	24.2	27.1	29.9	32.7	55.4
102.5°	21.4	21.3	21.3	21.3	21.2	36.4	66.6	96.9	127.1	157.4	160.3
105°	211.6	217.5	223.4	229.4	235.3	237.5	236.0	234.6	233.1	231.6	230.8
107.5°	294.8	294.2	293.6	293.0	292.3	291.7	290.9	290.2	289.5	288.7	287.6
110°	331.1	330.6	330.1	329.6	329.1	328.7	328.3	328.0	327.7	327.3	326.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	367.3	366.7	366.0	365.4	364.8	364.5	364.6	364.6	364.7	364.8	364.3
115°	420.1	420.1	420.1	420.1	420.1	420.0	419.6	419.3	419.0	418.6	418.8
117.5°	473.9	473.9	474.0	474.1	474.1	474.2	474.3	474.3	474.4	474.5	474.1
120°	507.7	508.1	508.4	508.7	509.0	509.0	508.7	508.4	508.1	507.7	507.9
122.5°	541.0	541.3	541.6	542.0	542.3	542.4	542.2	542.0	541.8	541.6	541.3
125°	590.9	590.7	590.5	590.4	590.2	589.9	589.4	588.9	588.4	587.9	588.2
127.5°	634.7	634.8	634.9	635.1	635.2	635.3	635.4	635.5	635.6	635.7	634.9
130°	664.3	664.3	664.3	664.3	664.3	664.3	664.1	663.9	663.8	663.6	663.1
132.5°	691.7	691.8	691.9	692.1	692.2	692.2	692.0	691.8	691.7	691.5	690.9
135°	732.6	732.3	732.0	731.6	731.3	731.0	730.7	730.3	730.0	729.7	729.0
137.5°	767.7	767.8	767.9	768.0	768.1	767.9	767.6	767.2	766.8	766.5	765.8
140°	792.0	791.9	791.7	791.5	791.4	791.0	790.5	790.0	789.5	789.1	788.7
142.5°	812.2	812.2	812.1	812.1	812.1	811.9	811.5	811.2	810.8	810.4	810.2
145°	843.2	842.9	842.6	842.2	841.9	841.7	841.5	841.3	841.2	841.0	841.0
147.5°	868.9	868.8	868.6	868.4	868.3	868.1	868.0	867.8	867.7	867.6	867.7
150°	885.5	885.4	885.2	885.1	884.9	884.8	884.8	884.8	884.8	884.8	885.0
152.5°	899.8	899.9	900.0	900.1	900.2	900.1	899.8	899.6	899.3	899.1	899.4
155°	919.0	919.4	919.9	920.4	920.9	920.8	920.2	919.5	918.9	918.2	918.7
157.5°	935.0	935.8	936.7	937.6	938.4	938.4	937.6	936.7	935.8	935.0	935.5
160°	945.7	946.7	947.7	948.6	949.6	949.6	948.6	947.7	946.7	945.7	945.8
162.5°	954.0	955.1	956.2	957.4	958.5	958.5	957.5	956.6	955.6	954.6	954.7
165°	965.7	967.2	968.7	970.2	971.7	971.7	970.4	969.1	967.8	966.5	966.5
167.5°	974.5	976.1	977.8	979.4	981.1	981.2	979.7	978.3	976.8	975.4	975.5
170°	979.8	981.5	983.1	984.8	986.4	986.6	985.3	983.9	982.6	981.3	981.1
172.5°	982.8	984.6	986.4	988.1	989.9	990.1	988.8	987.5	986.2	984.9	984.7
175°	986.5	988.5	990.5	992.4	994.4	994.7	993.2	991.7	990.2	988.7	988.6
177.5°	988.9	990.5	992.0	993.6	995.2	995.5	994.4	993.4	992.3	991.2	991.0
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1325.1	1319.2	1314.9	1311.5	1302.2	1296.6	1292.4	1286.4	1279.6	1272.4	1263.4
5°	1400.3	1382.2	1369.0	1348.7	1329.6	1313.6	1297.2	1282.3	1264.2	1244.5	1230.1
7.5°	1479.4	1452.5	1418.0	1388.1	1354.5	1325.2	1299.1	1272.3	1244.4	1217.4	1192.6
10°	1529.6	1495.0	1456.7	1411.5	1369.0	1331.2	1296.1	1262.1	1229.1	1196.1	1167.9
12.5°	1583.6	1540.5	1483.9	1431.1	1383.4	1332.9	1290.6	1248.9	1209.1	1174.4	1141.5
15°	1656.1	1593.9	1528.5	1457.8	1395.0	1336.0	1278.0	1225.4	1180.7	1134.9	1103.0
17.5°	1700.7	1623.7	1548.9	1475.0	1399.1	1324.6	1262.1	1201.3	1145.4	1099.9	1059.7
20°	1730.1	1653.5	1560.4	1486.5	1396.1	1319.5	1247.2	1179.6	1121.1	1072.7	1031.2
22.5°	1755.6	1667.1	1574.0	1476.7	1386.7	1305.5	1226.3	1158.3	1098.6	1047.6	1007.8
25°	1769.4	1667.8	1566.8	1470.0	1367.9	1271.6	1199.8	1120.1	1056.2	1002.5	960.0
27.5°	1770.9	1662.3	1548.0	1440.4	1335.0	1245.4	1154.7	1083.5	1017.2	960.4	919.5
30°	1766.2	1653.0	1530.1	1413.6	1307.8	1210.5	1131.8	1054.1	986.6	930.2	887.6
32.5°	1751.3	1633.4	1507.1	1383.8	1274.2	1179.0	1097.7	1023.9	958.1	902.5	857.9
35°	1708.3	1591.8	1457.2	1329.1	1216.8	1120.6	1047.2	972.2	906.3	853.6	810.5
37.5°	1640.9	1535.6	1398.8	1266.2	1156.0	1059.3	986.6	918.8	859.3	805.8	761.7
40°	1582.2	1489.7	1352.5	1223.2	1104.1	1012.1	944.0	881.8	822.8	772.2	730.2
42.5°	1514.6	1433.9	1307.4	1170.5	1055.6	963.2	896.8	840.9	785.3	738.6	696.6
45°	1393.9	1340.8	1221.6	1095.1	975.4	888.2	824.9	776.0	729.2	683.4	648.3
47.5°	1255.2	1228.9	1128.6	1008.4	894.8	808.8	753.9	708.7	667.7	629.0	598.0
50°	1162.1	1149.3	1062.6	946.7	838.2	757.3	702.0	663.2	628.1	594.1	564.8
52.5°	1070.2	1069.7	991.6	885.4	785.0	707.1	652.2	616.0	585.6	557.9	531.6
55°	929.7	944.5	883.4	788.7	698.8	628.6	579.2	546.7	525.5	502.6	482.9
57.5°	800.6	825.3	774.9	691.5	616.5	551.8	508.8	484.4	461.7	447.9	433.6
60°	716.4	739.8	700.4	630.2	559.5	504.2	463.2	441.4	421.7	412.2	402.1
62.5°	641.5	662.4	633.2	568.1	506.7	453.6	419.0	398.0	384.7	374.3	367.6
65°	534.5	552.0	527.1	479.7	427.1	384.5	356.3	339.8	327.1	322.8	315.4
67.5°	432.1	448.0	434.5	394.3	352.1	319.8	297.8	282.0	274.4	270.7	265.4
70°	371.2	387.2	372.8	337.7	305.3	278.2	257.4	248.4	240.4	238.8	231.3
72.5°	319.7	330.6	316.2	288.8	261.0	238.2	222.1	212.6	208.5	205.6	201.6
75°	239.9	249.4	239.9	218.6	198.9	183.0	169.1	165.4	160.6	159.0	156.4
77.5°	169.8	178.1	170.7	157.4	142.7	130.4	123.0	118.2	117.1	114.3	115.6
80°	129.8	135.1	128.2	119.1	107.4	98.9	93.6	90.9	87.8	86.7	88.8
82.5°	93.2	95.5	92.0	85.9	77.2	71.7	68.1	65.0	64.4	64.6	64.6
85°	48.4	47.9	47.3	42.0	39.4	35.6	33.5	33.0	32.4	33.5	34.6
87.5°	18.9	19.1	18.4	16.4	14.7	13.1	12.3	11.5	12.3	13.1	13.9
90°	13.7	12.4	11.1	9.5	7.7	5.9	4.0	2.2	4.0	5.9	7.7
92.5°	13.1	11.8	10.5	9.7	9.6	9.6	9.5	9.4	9.5	9.6	9.6
95°	16.0	15.8	15.7	18.4	24.0	29.6	35.2	40.8	35.2	29.6	24.0
97.5°	56.4	74.8	93.2	100.7	97.2	93.7	90.2	86.7	90.2	93.7	97.2
100°	78.2	101.0	123.7	133.6	130.6	127.7	124.7	121.7	124.7	127.7	130.6
102.5°	163.3	166.3	169.2	169.6	167.5	165.3	163.1	160.9	163.1	165.3	167.5
105°	229.9	229.1	228.3	227.4	226.4	225.4	224.4	223.4	224.4	225.4	226.4
107.5°	286.5	285.4	284.3	283.5	283.0	282.5	282.0	281.5	282.0	282.5	283.0
110°	325.4	324.4	323.4	322.6	322.2	321.7	321.2	320.7	321.2	321.7	322.2





TEST NUMBER: P332781

CATALOG NUMBER: S124DIW-S795D770U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	363.8	363.4	362.9	362.2	361.3	360.5	359.6	358.7	359.6	360.5	361.3
115°	419.0	419.1	419.3	419.1	418.6	418.2	417.7	417.2	417.7	418.2	418.6
117.5°	473.7	473.4	473.0	472.5	471.8	471.2	470.5	469.9	470.5	471.2	471.8
120°	508.1	508.2	508.4	508.1	507.5	506.8	506.2	505.5	506.2	506.8	507.5
122.5°	541.1	540.9	540.6	540.3	539.9	539.5	539.1	538.8	539.1	539.5	539.9
125°	588.6	588.9	589.2	589.0	588.4	587.7	587.1	586.4	587.1	587.7	588.4
127.5°	634.2	633.4	632.7	632.2	632.0	631.9	631.7	631.5	631.7	631.9	632.0
130°	662.6	662.1	661.6	661.3	661.1	661.0	660.8	660.6	660.8	661.0	661.1
132.5°	690.3	689.6	689.0	688.5	688.2	688.0	687.7	687.4	687.7	688.0	688.2
135°	728.3	727.7	727.0	726.8	726.9	727.1	727.3	727.4	727.3	727.1	726.9
137.5°	765.0	764.3	763.6	763.2	763.1	763.1	763.0	762.9	763.0	763.1	763.1
140°	788.4	788.1	787.7	787.4	787.1	786.7	786.4	786.1	786.4	786.7	787.1
142.5°	810.0	809.8	809.6	809.2	808.6	808.1	807.5	806.9	807.5	808.1	808.6
145°	841.0	841.0	841.0	840.8	840.3	839.8	839.3	838.8	839.3	839.8	840.3
147.5°	867.9	868.1	868.2	867.9	866.9	866.0	865.1	864.2	865.1	866.0	866.9
150°	885.1	885.3	885.5	885.2	884.6	883.9	883.2	882.6	883.2	883.9	884.6
152.5°	899.7	899.9	900.2	900.1	899.6	899.1	898.5	898.0	898.5	899.1	899.6
155°	919.2	919.7	920.2	920.4	920.2	920.0	919.9	919.7	919.9	920.0	920.2
157.5°	936.1	936.7	937.2	937.6	937.7	937.8	937.9	938.0	937.9	937.8	937.7
160°	946.0	946.2	946.3	946.7	947.2	947.7	948.1	948.6	948.1	947.7	947.2
162.5°	954.9	955.1	955.2	955.6	956.3	956.9	957.5	958.1	957.5	956.9	956.3
165°	966.5	966.5	966.5	966.9	967.7	968.5	969.3	970.2	969.3	968.5	967.7
167.5°	975.6	975.7	975.8	976.2	977.1	978.0	978.8	979.7	978.8	978.0	977.1
170°	981.0	980.8	980.6	981.1	982.0	983.0	984.0	985.0	984.0	983.0	982.0
172.5°	984.5	984.4	984.2	984.6	985.6	986.6	987.6	988.6	987.6	986.6	985.6
175°	988.4	988.2	988.1	988.5	989.5	990.5	991.4	992.4	991.4	990.5	989.5
177.5°	990.7	990.5	990.2	990.5	991.4	992.4	993.3	994.2	993.3	992.4	991.4
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4



TEST NUMBER: P332781

CATALOG NUMBER: S124DIW-S795D770U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1259.2	1255.4	1249.8	1242.2	1235.8	1229.0	1227.3	1224.7	1229.8	1225.6	1224.3
5°	1217.9	1206.7	1192.4	1175.9	1166.3	1152.5	1149.8	1144.5	1139.2	1138.7	1133.3
7.5°	1174.2	1157.8	1139.0	1122.2	1106.6	1091.5	1081.7	1079.5	1071.7	1067.1	1061.8
10°	1146.1	1125.9	1104.1	1088.1	1070.1	1054.1	1042.9	1036.6	1031.2	1025.4	1020.1
12.5°	1112.9	1091.4	1073.5	1056.2	1034.7	1022.6	1004.2	993.2	992.1	992.2	978.4
15°	1074.3	1053.0	1025.4	1000.9	989.2	965.8	955.7	942.9	935.0	927.0	920.6
17.5°	1030.2	1003.7	982.1	954.0	931.7	913.1	899.8	892.1	880.1	868.8	860.6
20°	1002.5	974.3	951.5	921.7	897.2	874.3	863.2	852.5	843.5	833.9	824.9
22.5°	974.4	945.0	917.0	888.1	865.3	841.2	830.4	815.9	807.3	802.0	793.0
25°	930.2	898.3	866.4	838.7	815.3	794.0	779.7	768.5	758.9	754.7	748.8
27.5°	882.1	850.4	819.6	788.2	761.6	746.2	734.7	726.3	720.7	715.1	712.5
30°	851.5	818.5	785.5	756.3	731.8	716.4	705.7	699.9	695.6	693.0	690.3
32.5°	820.4	787.9	753.2	726.5	704.6	690.9	682.8	676.9	674.8	673.8	672.9
35°	770.6	737.7	705.7	681.8	661.1	655.8	648.8	645.7	644.6	648.3	649.9
37.5°	722.4	691.8	662.5	639.3	625.7	617.9	615.5	615.7	619.5	622.8	626.6
40°	691.4	661.6	634.0	613.7	601.0	596.2	595.1	597.8	602.0	605.8	610.0
42.5°	661.2	631.8	606.7	587.8	578.9	574.5	575.1	577.8	583.7	588.3	594.7
45°	614.3	589.8	565.3	549.9	542.5	543.5	543.5	548.3	554.2	561.1	568.0
47.5°	570.1	545.5	525.3	512.4	508.5	507.6	510.6	516.8	525.2	533.8	543.4
50°	540.3	516.9	499.4	487.7	483.4	485.0	489.3	495.1	505.2	515.9	526.0
52.5°	510.1	488.9	472.6	461.7	458.8	461.6	465.9	475.1	484.0	495.5	507.7
55°	463.2	445.1	432.4	424.4	423.3	424.9	429.7	439.8	452.6	467.0	478.7
57.5°	416.5	401.4	389.7	384.2	384.7	386.2	394.1	406.1	419.7	435.0	450.1
60°	385.1	371.2	361.7	357.4	357.9	361.1	370.7	381.9	398.9	413.8	429.7
62.5°	355.3	343.1	334.0	330.2	329.4	336.4	345.6	357.2	374.2	390.8	408.0
65°	307.4	297.8	290.4	288.3	289.9	295.2	306.9	322.3	336.7	354.2	372.3
67.5°	260.6	252.7	247.6	248.6	250.5	258.4	268.2	281.4	297.7	315.9	333.8
70°	230.8	223.4	219.1	219.6	222.8	232.4	240.9	254.2	271.8	290.4	305.3
72.5°	200.2	195.3	191.5	193.7	196.9	203.5	214.1	227.4	242.8	260.2	275.9
75°	153.7	153.7	151.6	153.2	158.0	164.3	172.3	186.1	201.6	215.4	228.2
77.5°	114.0	112.9	114.2	116.2	118.9	126.5	135.6	145.5	157.1	170.9	181.5
80°	87.2	87.8	90.4	93.6	94.7	100.5	110.1	119.1	128.2	139.9	150.0
82.5°	65.5	66.1	67.4	71.5	72.5	78.8	85.0	94.0	102.2	110.1	118.5
85°	35.6	35.6	38.3	39.9	42.5	46.8	50.5	55.8	63.3	68.6	76.6
87.5°	15.5	15.8	17.8	18.9	20.4	22.8	23.9	28.8	30.7	33.0	37.0
90°	9.5	11.1	12.4	13.7	15.0	16.3	17.3	18.3	19.3	20.3	20.9
92.5°	9.7	10.5	11.8	13.1	14.4	15.7	16.7	17.7	18.7	19.7	20.2
95°	18.4	15.7	15.8	16.0	16.2	16.3	17.3	18.3	19.3	20.3	20.9
97.5°	100.7	93.2	74.8	56.4	38.0	19.6	19.7	19.8	19.9	20.0	20.1
100°	133.6	123.7	101.0	78.2	55.4	32.7	29.9	27.1	24.2	21.4	20.1
102.5°	169.6	169.2	166.3	163.3	160.3	157.4	127.1	96.9	66.6	36.4	21.2
105°	227.4	228.3	229.1	229.9	230.8	231.6	233.1	234.6	236.0	237.5	235.3
107.5°	283.5	284.3	285.4	286.5	287.6	288.7	289.5	290.2	290.9	291.7	292.3
110°	322.6	323.4	324.4	325.4	326.4	327.3	327.7	328.0	328.3	328.7	329.1



TEST NUMBER: P332781

CATALOG NUMBER: S124DIW-S795D770U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	362.2	362.9	363.4	363.8	364.3	364.8	364.7	364.6	364.6	364.5	364.8
115°	419.1	419.3	419.1	419.0	418.8	418.6	419.0	419.3	419.6	420.0	420.1
117.5°	472.5	473.0	473.4	473.7	474.1	474.5	474.4	474.3	474.3	474.2	474.1
120°	508.1	508.4	508.2	508.1	507.9	507.7	508.1	508.4	508.7	509.0	509.0
122.5°	540.3	540.6	540.9	541.1	541.3	541.6	541.8	542.0	542.2	542.4	542.3
125°	589.0	589.2	588.9	588.6	588.2	587.9	588.4	588.9	589.4	589.9	590.2
127.5°	632.2	632.7	633.4	634.2	634.9	635.7	635.6	635.5	635.4	635.3	635.2
130°	661.3	661.6	662.1	662.6	663.1	663.6	663.8	663.9	664.1	664.3	664.3
132.5°	688.5	689.0	689.6	690.3	690.9	691.5	691.7	691.8	692.0	692.2	692.2
135°	726.8	727.0	727.7	728.3	729.0	729.7	730.0	730.3	730.7	731.0	731.3
137.5°	763.2	763.6	764.3	765.0	765.8	766.5	766.8	767.2	767.6	767.9	768.1
140°	787.4	787.7	788.1	788.4	788.7	789.1	789.5	790.0	790.5	791.0	791.4
142.5°	809.2	809.6	809.8	810.0	810.2	810.4	810.8	811.2	811.5	811.9	812.1
145°	840.8	841.0	841.0	841.0	841.0	841.0	841.2	841.3	841.5	841.7	841.9
147.5°	867.9	868.2	868.1	867.9	867.7	867.6	867.7	867.8	868.0	868.1	868.3
150°	885.2	885.5	885.3	885.1	885.0	884.8	884.8	884.8	884.8	884.8	884.9
152.5°	900.1	900.2	899.9	899.7	899.4	899.1	899.3	899.6	899.8	900.1	900.2
155°	920.4	920.2	919.7	919.2	918.7	918.2	918.9	919.5	920.2	920.8	920.9
157.5°	937.6	937.2	936.7	936.1	935.5	935.0	935.8	936.7	937.6	938.4	938.4
160°	946.7	946.3	946.2	946.0	945.8	945.7	946.7	947.7	948.6	949.6	949.6
162.5°	955.6	955.2	955.1	954.9	954.7	954.6	955.6	956.6	957.5	958.5	958.5
165°	966.9	966.5	966.5	966.5	966.5	966.5	967.8	969.1	970.4	971.7	971.7
167.5°	976.2	975.8	975.7	975.6	975.5	975.4	976.8	978.3	979.7	981.2	981.1
170°	981.1	980.6	980.8	981.0	981.1	981.3	982.6	983.9	985.3	986.6	986.4
172.5°	984.6	984.2	984.4	984.5	984.7	984.9	986.2	987.5	988.8	990.1	989.9
175°	988.5	988.1	988.2	988.4	988.6	988.7	990.2	991.7	993.2	994.7	994.4
177.5°	990.5	990.2	990.5	990.7	991.0	991.2	992.3	993.4	994.4	995.5	995.2
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4



TEST NUMBER: P332781

CATALOG NUMBER: S124DIW-S795D770U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1223.4	1222.6	1219.6	1219.2	1219.6	1222.6	1223.4	1224.3	1225.6	1229.8	1224.7
5°	1130.2	1127.5	1125.9	1131.8	1125.9	1127.5	1130.2	1133.3	1138.7	1139.2	1144.5
7.5°	1059.8	1057.7	1053.0	1051.6	1053.0	1057.7	1059.8	1061.8	1067.1	1071.7	1079.5
10°	1014.7	1012.6	1008.4	1007.3	1008.4	1012.6	1014.7	1020.1	1025.4	1031.2	1036.6
12.5°	971.3	967.1	966.2	967.3	966.2	967.1	971.3	978.4	992.2	992.1	993.2
15°	913.7	911.6	905.7	907.3	905.7	911.6	913.7	920.6	927.0	935.0	942.9
17.5°	856.9	854.3	847.2	853.5	847.2	854.3	856.9	860.6	868.8	880.1	892.1
20°	821.2	816.9	813.2	812.6	813.2	816.9	821.2	824.9	833.9	843.5	852.5
22.5°	787.1	783.3	783.0	779.5	783.0	783.3	787.1	793.0	802.0	807.3	815.9
25°	744.6	740.9	739.8	737.1	739.8	740.9	744.6	748.8	754.7	758.9	768.5
27.5°	711.9	710.1	708.2	709.0	708.2	710.1	711.9	712.5	715.1	720.7	726.3
30°	691.9	691.4	690.3	690.3	690.3	691.4	691.9	690.3	693.0	695.6	699.9
32.5°	675.3	675.2	675.9	675.9	675.9	675.2	675.3	672.9	673.8	674.8	676.9
35°	652.0	653.6	654.7	653.1	654.7	653.6	652.0	649.9	648.3	644.6	645.7
37.5°	631.0	632.6	634.1	635.9	634.1	632.6	631.0	626.6	622.8	619.5	615.7
40°	614.8	618.5	619.6	622.3	619.6	618.5	614.8	610.0	605.8	602.0	597.8
42.5°	599.5	603.6	606.4	606.9	606.4	603.6	599.5	594.7	588.3	583.7	577.8
45°	576.0	580.2	584.0	584.0	584.0	580.2	576.0	568.0	561.1	554.2	548.3
47.5°	551.6	557.8	561.5	562.5	561.5	557.8	551.6	543.4	533.8	525.2	516.8
50°	535.0	542.5	546.2	548.9	546.2	542.5	535.0	526.0	515.9	505.2	495.1
52.5°	518.9	526.3	531.3	532.7	531.3	526.3	518.9	507.7	495.5	484.0	475.1
55°	490.9	501.5	507.4	509.5	507.4	501.5	490.9	478.7	467.0	452.6	439.8
57.5°	464.5	474.3	481.1	482.7	481.1	474.3	464.5	450.1	435.0	419.7	406.1
60°	444.1	454.7	463.2	464.8	463.2	454.7	444.1	429.7	413.8	398.9	381.9
62.5°	423.2	434.3	442.0	446.1	442.0	434.3	423.2	408.0	390.8	374.2	357.2
65°	387.2	398.3	405.8	407.4	405.8	398.3	387.2	372.3	354.2	336.7	322.3
67.5°	347.8	359.0	363.9	367.0	363.9	359.0	347.8	333.8	315.9	297.7	281.4
70°	320.2	329.2	334.5	337.2	334.5	329.2	320.2	305.3	290.4	271.8	254.2
72.5°	288.7	298.1	304.3	304.8	304.3	298.1	288.7	275.9	260.2	242.8	227.4
75°	240.4	248.9	252.1	252.1	252.1	248.9	240.4	228.2	215.4	201.6	186.1
77.5°	190.3	194.7	198.7	199.5	198.7	194.7	190.3	181.5	170.9	157.1	145.5
80°	158.0	160.6	163.8	163.8	163.8	160.6	158.0	150.0	139.9	128.2	119.1
82.5°	124.8	127.0	130.2	129.8	130.2	127.0	124.8	118.5	110.1	102.2	94.0
85°	75.5	80.3	79.8	78.7	79.8	80.3	75.5	76.6	68.6	63.3	55.8
87.5°	38.3	38.8	40.1	41.0	40.1	38.8	38.3	37.0	33.0	30.7	28.8
90°	21.3	21.6	21.9	22.3	21.9	21.6	21.3	20.9	20.3	19.3	18.3
92.5°	20.3	20.4	20.4	20.5	20.4	20.4	20.3	20.2	19.7	18.7	17.7
95°	21.0	21.2	21.4	21.5	21.4	21.2	21.0	20.9	20.3	19.3	18.3
97.5°	20.3	20.5	20.6	20.8	20.6	20.5	20.3	20.1	20.0	19.9	19.8
100°	20.3	20.5	20.6	20.8	20.6	20.5	20.3	20.1	21.4	24.2	27.1
102.5°	21.3	21.3	21.3	21.4	21.3	21.3	21.3	21.2	36.4	66.6	96.9
105°	229.4	223.4	217.5	211.6	217.5	223.4	229.4	235.3	237.5	236.0	234.6
107.5°	293.0	293.6	294.2	294.8	294.2	293.6	293.0	292.3	291.7	290.9	290.2
110°	329.6	330.1	330.6	331.1	330.6	330.1	329.6	329.1	328.7	328.3	328.0



TEST NUMBER: P332781

CATALOG NUMBER: S124DIW-S795D770U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	365.4	366.0	366.7	367.3	366.7	366.0	365.4	364.8	364.5	364.6	364.6
115°	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.0	419.6	419.3
117.5°	474.1	474.0	473.9	473.9	473.9	474.0	474.1	474.1	474.2	474.3	474.3
120°	508.7	508.4	508.1	507.7	508.1	508.4	508.7	509.0	509.0	508.7	508.4
122.5°	542.0	541.6	541.3	541.0	541.3	541.6	542.0	542.3	542.4	542.2	542.0
125°	590.4	590.5	590.7	590.9	590.7	590.5	590.4	590.2	589.9	589.4	588.9
127.5°	635.1	634.9	634.8	634.7	634.8	634.9	635.1	635.2	635.3	635.4	635.5
130°	664.3	664.3	664.3	664.3	664.3	664.3	664.3	664.3	664.3	664.1	663.9
132.5°	692.1	691.9	691.8	691.7	691.8	691.9	692.1	692.2	692.2	692.0	691.8
135°	731.6	732.0	732.3	732.6	732.3	732.0	731.6	731.3	731.0	730.7	730.3
137.5°	768.0	767.9	767.8	767.7	767.8	767.9	768.0	768.1	767.9	767.6	767.2
140°	791.5	791.7	791.9	792.0	791.9	791.7	791.5	791.4	791.0	790.5	790.0
142.5°	812.1	812.1	812.2	812.2	812.2	812.1	812.1	812.1	811.9	811.5	811.2
145°	842.2	842.6	842.9	843.2	842.9	842.6	842.2	841.9	841.7	841.5	841.3
147.5°	868.4	868.6	868.8	868.9	868.8	868.6	868.4	868.3	868.1	868.0	867.8
150°	885.1	885.2	885.4	885.5	885.4	885.2	885.1	884.9	884.8	884.8	884.8
152.5°	900.1	900.0	899.9	899.8	899.9	900.0	900.1	900.2	900.1	899.8	899.6
155°	920.4	919.9	919.4	919.0	919.4	919.9	920.4	920.9	920.8	920.2	919.5
157.5°	937.6	936.7	935.8	935.0	935.8	936.7	937.6	938.4	938.4	937.6	936.7
160°	948.6	947.7	946.7	945.7	946.7	947.7	948.6	949.6	949.6	948.6	947.7
162.5°	957.4	956.2	955.1	954.0	955.1	956.2	957.4	958.5	958.5	957.5	956.6
165°	970.2	968.7	967.2	965.7	967.2	968.7	970.2	971.7	971.7	970.4	969.1
167.5°	979.4	977.8	976.1	974.5	976.1	977.8	979.4	981.1	981.2	979.7	978.3
170°	984.8	983.1	981.5	979.8	981.5	983.1	984.8	986.4	986.6	985.3	983.9
172.5°	988.1	986.4	984.6	982.8	984.6	986.4	988.1	989.9	990.1	988.8	987.5
175°	992.4	990.5	988.5	986.5	988.5	990.5	992.4	994.4	994.7	993.2	991.7
177.5°	993.6	992.0	990.5	988.9	990.5	992.0	993.6	995.2	995.5	994.4	993.4
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4



TEST NUMBER: P332781

CATALOG NUMBER: S124DIW-S795D770U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1227.3	1229.0	1235.8	1242.2	1249.8	1255.4	1259.2	1263.4	1272.4	1279.6	1286.4
5°	1149.8	1152.5	1166.3	1175.9	1192.4	1206.7	1217.9	1230.1	1244.5	1264.2	1282.3
7.5°	1081.7	1091.5	1106.6	1122.2	1139.0	1157.8	1174.2	1192.6	1217.4	1244.4	1272.3
10°	1042.9	1054.1	1070.1	1088.1	1104.1	1125.9	1146.1	1167.9	1196.1	1229.1	1262.1
12.5°	1004.2	1022.6	1034.7	1056.2	1073.5	1091.4	1112.9	1141.5	1174.4	1209.1	1248.9
15°	955.7	965.8	989.2	1000.9	1025.4	1053.0	1074.3	1103.0	1134.9	1180.7	1225.4
17.5°	899.8	913.1	931.7	954.0	982.1	1003.7	1030.2	1059.7	1099.9	1145.4	1201.3
20°	863.2	874.3	897.2	921.7	951.5	974.3	1002.5	1031.2	1072.7	1121.1	1179.6
22.5°	830.4	841.2	865.3	888.1	917.0	945.0	974.4	1007.8	1047.6	1098.6	1158.3
25°	779.7	794.0	815.3	838.7	866.4	898.3	930.2	960.0	1002.5	1056.2	1120.1
27.5°	734.7	746.2	761.6	788.2	819.6	850.4	882.1	919.5	960.4	1017.2	1083.5
30°	705.7	716.4	731.8	756.3	785.5	818.5	851.5	887.6	930.2	986.6	1054.1
32.5°	682.8	690.9	704.6	726.5	753.2	787.9	820.4	857.9	902.5	958.1	1023.9
35°	648.8	655.8	661.1	681.8	705.7	737.7	770.6	810.5	853.6	906.3	972.2
37.5°	615.5	617.9	625.7	639.3	662.5	691.8	722.4	761.7	805.8	859.3	918.8
40°	595.1	596.2	601.0	613.7	634.0	661.6	691.4	730.2	772.2	822.8	881.8
42.5°	575.1	574.5	578.9	587.8	606.7	631.8	661.2	696.6	738.6	785.3	840.9
45°	543.5	543.5	542.5	549.9	565.3	589.8	614.3	648.3	683.4	729.2	776.0
47.5°	510.6	507.6	508.5	512.4	525.3	545.5	570.1	598.0	629.0	667.7	708.7
50°	489.3	485.0	483.4	487.7	499.4	516.9	540.3	564.8	594.1	628.1	663.2
52.5°	465.9	461.6	458.8	461.7	472.6	488.9	510.1	531.6	557.9	585.6	616.0
55°	429.7	424.9	423.3	424.4	432.4	445.1	463.2	482.9	502.6	525.5	546.7
57.5°	394.1	386.2	384.7	384.2	389.7	401.4	416.5	433.6	447.9	461.7	484.4
60°	370.7	361.1	357.9	357.4	361.7	371.2	385.1	402.1	412.2	421.7	441.4
62.5°	345.6	336.4	329.4	330.2	334.0	343.1	355.3	367.6	374.3	384.7	398.0
65°	306.9	295.2	289.9	288.3	290.4	297.8	307.4	315.4	322.8	327.1	339.8
67.5°	268.2	258.4	250.5	248.6	247.6	252.7	260.6	265.4	270.7	274.4	282.0
70°	240.9	232.4	222.8	219.6	219.1	223.4	230.8	231.3	238.8	240.4	248.4
72.5°	214.1	203.5	196.9	193.7	191.5	195.3	200.2	201.6	205.6	208.5	212.6
75°	172.3	164.3	158.0	153.2	151.6	153.7	153.7	156.4	159.0	160.6	165.4
77.5°	135.6	126.5	118.9	116.2	114.2	112.9	114.0	115.6	114.3	117.1	118.2
80°	110.1	100.5	94.7	93.6	90.4	87.8	87.2	88.8	86.7	87.8	90.9
82.5°	85.0	78.8	72.5	71.5	67.4	66.1	65.5	64.6	64.6	64.4	65.0
85°	50.5	46.8	42.5	39.9	38.3	35.6	35.6	34.6	33.5	32.4	33.0
87.5°	23.9	22.8	20.4	18.9	17.8	15.8	15.5	13.9	13.1	12.3	11.5
90°	17.3	16.3	15.0	13.7	12.4	11.1	9.5	7.7	5.9	4.0	2.2
92.5°	16.7	15.7	14.4	13.1	11.8	10.5	9.7	9.6	9.6	9.5	9.4
95°	17.3	16.3	16.2	16.0	15.8	15.7	18.4	24.0	29.6	35.2	40.8
97.5°	19.7	19.6	38.0	56.4	74.8	93.2	100.7	97.2	93.7	90.2	86.7
100°	29.9	32.7	55.4	78.2	101.0	123.7	133.6	130.6	127.7	124.7	121.7
102.5°	127.1	157.4	160.3	163.3	166.3	169.2	169.6	167.5	165.3	163.1	160.9
105°	233.1	231.6	230.8	229.9	229.1	228.3	227.4	226.4	225.4	224.4	223.4
107.5°	289.5	288.7	287.6	286.5	285.4	284.3	283.5	283.0	282.5	282.0	281.5
110°	327.7	327.3	326.4	325.4	324.4	323.4	322.6	322.2	321.7	321.2	320.7



TEST NUMBER: P332781

CATALOG NUMBER: S124DIW-S795D770U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	364.7	364.8	364.3	363.8	363.4	362.9	362.2	361.3	360.5	359.6	358.7
115°	419.0	418.6	418.8	419.0	419.1	419.3	419.1	418.6	418.2	417.7	417.2
117.5°	474.4	474.5	474.1	473.7	473.4	473.0	472.5	471.8	471.2	470.5	469.9
120°	508.1	507.7	507.9	508.1	508.2	508.4	508.1	507.5	506.8	506.2	505.5
122.5°	541.8	541.6	541.3	541.1	540.9	540.6	540.3	539.9	539.5	539.1	538.8
125°	588.4	587.9	588.2	588.6	588.9	589.2	589.0	588.4	587.7	587.1	586.4
127.5°	635.6	635.7	634.9	634.2	633.4	632.7	632.2	632.0	631.9	631.7	631.5
130°	663.8	663.6	663.1	662.6	662.1	661.6	661.3	661.1	661.0	660.8	660.6
132.5°	691.7	691.5	690.9	690.3	689.6	689.0	688.5	688.2	688.0	687.7	687.4
135°	730.0	729.7	729.0	728.3	727.7	727.0	726.8	726.9	727.1	727.3	727.4
137.5°	766.8	766.5	765.8	765.0	764.3	763.6	763.2	763.1	763.1	763.0	762.9
140°	789.5	789.1	788.7	788.4	788.1	787.7	787.4	787.1	786.7	786.4	786.1
142.5°	810.8	810.4	810.2	810.0	809.8	809.6	809.2	808.6	808.1	807.5	806.9
145°	841.2	841.0	841.0	841.0	841.0	841.0	840.8	840.3	839.8	839.3	838.8
147.5°	867.7	867.6	867.7	867.9	868.1	868.2	867.9	866.9	866.0	865.1	864.2
150°	884.8	884.8	885.0	885.1	885.3	885.5	885.2	884.6	883.9	883.2	882.6
152.5°	899.3	899.1	899.4	899.7	899.9	900.2	900.1	899.6	899.1	898.5	898.0
155°	918.9	918.2	918.7	919.2	919.7	920.2	920.4	920.2	920.0	919.9	919.7
157.5°	935.8	935.0	935.5	936.1	936.7	937.2	937.6	937.7	937.8	937.9	938.0
160°	946.7	945.7	945.8	946.0	946.2	946.3	946.7	947.2	947.7	948.1	948.6
162.5°	955.6	954.6	954.7	954.9	955.1	955.2	955.6	956.3	956.9	957.5	958.1
165°	967.8	966.5	966.5	966.5	966.5	966.5	966.9	967.7	968.5	969.3	970.2
167.5°	976.8	975.4	975.5	975.6	975.7	975.8	976.2	977.1	978.0	978.8	979.7
170°	982.6	981.3	981.1	981.0	980.8	980.6	981.1	982.0	983.0	984.0	985.0
172.5°	986.2	984.9	984.7	984.5	984.4	984.2	984.6	985.6	986.6	987.6	988.6
175°	990.2	988.7	988.6	988.4	988.2	988.1	988.5	989.5	990.5	991.4	992.4
177.5°	992.3	991.2	991.0	990.7	990.5	990.2	990.5	991.4	992.4	993.3	994.2
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4



TEST NUMBER: P332781

CATALOG NUMBER: S124DIW-S795D770U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1292.4	1296.6	1302.2	1311.5	1314.9	1319.2	1325.1	1324.7	1326.4	1332.8	1346.4
5°	1297.2	1313.6	1329.6	1348.7	1369.0	1382.2	1400.3	1411.5	1422.7	1437.0	1461.5
7.5°	1299.1	1325.2	1354.5	1388.1	1418.0	1452.5	1479.4	1504.7	1527.5	1557.9	1587.0
10°	1296.1	1331.2	1369.0	1411.5	1456.7	1495.0	1529.6	1568.9	1602.4	1639.1	1672.1
12.5°	1290.6	1332.9	1383.4	1431.1	1483.9	1540.5	1583.6	1623.4	1668.0	1710.2	1761.0
15°	1278.0	1336.0	1395.0	1457.8	1528.5	1593.9	1656.1	1707.7	1755.6	1818.9	1885.4
17.5°	1262.1	1324.6	1399.1	1475.0	1548.9	1623.7	1700.7	1778.3	1838.7	1917.3	1969.3
20°	1247.2	1319.5	1396.1	1486.5	1560.4	1653.5	1730.1	1805.1	1888.0	1966.2	2028.4
22.5°	1226.3	1305.5	1386.7	1476.7	1574.0	1667.1	1755.6	1837.0	1919.9	2004.9	2080.3
25°	1199.8	1271.6	1367.9	1470.0	1566.8	1667.8	1769.4	1871.5	1960.9	2050.8	2121.0
27.5°	1154.7	1245.4	1335.0	1440.4	1548.0	1662.3	1770.9	1877.8	1971.4	2045.3	2088.8
30°	1131.8	1210.5	1307.8	1413.6	1530.1	1653.0	1766.2	1871.0	1958.2	2017.3	2034.8
32.5°	1097.7	1179.0	1274.2	1383.8	1507.1	1633.4	1751.3	1850.2	1922.9	1953.9	1932.7
35°	1047.2	1120.6	1216.8	1329.1	1457.2	1591.8	1708.3	1791.8	1829.0	1799.7	1726.9
37.5°	986.6	1059.3	1156.0	1266.2	1398.8	1535.6	1640.9	1701.0	1688.7	1615.9	1507.3
40°	944.0	1012.1	1104.1	1223.2	1352.5	1489.7	1582.2	1614.7	1580.6	1476.4	1361.0
42.5°	896.8	963.2	1055.6	1170.5	1307.4	1433.9	1514.6	1517.2	1460.2	1335.6	1219.7
45°	824.9	888.2	975.4	1095.1	1221.6	1340.8	1393.9	1367.9	1262.6	1142.4	1025.9
47.5°	753.9	808.8	894.8	1008.4	1128.6	1228.9	1255.2	1208.3	1096.1	979.4	871.5
50°	702.0	757.3	838.2	946.7	1062.6	1149.3	1162.1	1099.8	989.8	872.2	787.7
52.5°	652.2	707.1	785.0	885.4	991.6	1069.7	1070.2	998.2	888.5	783.7	705.1
55°	579.2	628.6	698.8	788.7	883.4	944.5	929.7	855.2	760.0	669.1	600.4
57.5°	508.8	551.8	616.5	691.5	774.9	825.3	800.6	728.9	643.9	566.8	514.8
60°	463.2	504.2	559.5	630.2	700.4	739.8	716.4	651.5	573.3	511.1	465.9
62.5°	419.0	453.6	506.7	568.1	633.2	662.4	641.5	577.5	509.9	453.7	417.0
65°	356.3	384.5	427.1	479.7	527.1	552.0	534.5	474.9	423.3	382.9	353.7
67.5°	297.8	319.8	352.1	394.3	434.5	448.0	432.1	390.6	346.9	314.5	293.9
70°	257.4	278.2	305.3	337.7	372.8	387.2	371.2	338.2	302.6	272.8	252.6
72.5°	222.1	238.2	261.0	288.8	316.2	330.6	319.7	288.0	257.9	235.8	218.6
75°	169.1	183.0	198.9	218.6	239.9	249.4	239.9	218.1	197.3	180.8	168.6
77.5°	123.0	130.4	142.7	157.4	170.7	178.1	169.8	155.0	142.3	131.0	125.0
80°	93.6	98.9	107.4	119.1	128.2	135.1	129.8	117.5	107.4	100.0	97.3
82.5°	68.1	71.7	77.2	85.9	92.0	95.5	93.2	84.3	80.2	73.6	70.9
85°	33.5	35.6	39.4	42.0	47.3	47.9	48.4	44.7	41.0	39.4	37.2
87.5°	12.3	13.1	14.7	16.4	18.4	19.1	18.9	19.2	17.7	17.5	16.0
90°	4.0	5.9	7.7	9.5	11.1	12.4	13.7	15.0	16.3	17.3	18.3
92.5°	9.5	9.6	9.6	9.7	10.5	11.8	13.1	14.4	15.7	16.7	17.7
95°	35.2	29.6	24.0	18.4	15.7	15.8	16.0	16.2	16.3	17.3	18.3
97.5°	90.2	93.7	97.2	100.7	93.2	74.8	56.4	38.0	19.6	19.7	19.8
100°	124.7	127.7	130.6	133.6	123.7	101.0	78.2	55.4	32.7	29.9	27.1
102.5°	163.1	165.3	167.5	169.6	169.2	166.3	163.3	160.3	157.4	127.1	96.9
105°	224.4	225.4	226.4	227.4	228.3	229.1	229.9	230.8	231.6	233.1	234.6
107.5°	282.0	282.5	283.0	283.5	284.3	285.4	286.5	287.6	288.7	289.5	290.2
110°	321.2	321.7	322.2	322.6	323.4	324.4	325.4	326.4	327.3	327.7	328.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	359.6	360.5	361.3	362.2	362.9	363.4	363.8	364.3	364.8	364.7	364.6
115°	417.7	418.2	418.6	419.1	419.3	419.1	419.0	418.8	418.6	419.0	419.3
117.5°	470.5	471.2	471.8	472.5	473.0	473.4	473.7	474.1	474.5	474.4	474.3
120°	506.2	506.8	507.5	508.1	508.4	508.2	508.1	507.9	507.7	508.1	508.4
122.5°	539.1	539.5	539.9	540.3	540.6	540.9	541.1	541.3	541.6	541.8	542.0
125°	587.1	587.7	588.4	589.0	589.2	588.9	588.6	588.2	587.9	588.4	588.9
127.5°	631.7	631.9	632.0	632.2	632.7	633.4	634.2	634.9	635.7	635.6	635.5
130°	660.8	661.0	661.1	661.3	661.6	662.1	662.6	663.1	663.6	663.8	663.9
132.5°	687.7	688.0	688.2	688.5	689.0	689.6	690.3	690.9	691.5	691.7	691.8
135°	727.3	727.1	726.9	726.8	727.0	727.7	728.3	729.0	729.7	730.0	730.3
137.5°	763.0	763.1	763.1	763.2	763.6	764.3	765.0	765.8	766.5	766.8	767.2
140°	786.4	786.7	787.1	787.4	787.7	788.1	788.4	788.7	789.1	789.5	790.0
142.5°	807.5	808.1	808.6	809.2	809.6	809.8	810.0	810.2	810.4	810.8	811.2
145°	839.3	839.8	840.3	840.8	841.0	841.0	841.0	841.0	841.0	841.2	841.3
147.5°	865.1	866.0	866.9	867.9	868.2	868.1	867.9	867.7	867.6	867.7	867.8
150°	883.2	883.9	884.6	885.2	885.5	885.3	885.1	885.0	884.8	884.8	884.8
152.5°	898.5	899.1	899.6	900.1	900.2	899.9	899.7	899.4	899.1	899.3	899.6
155°	919.9	920.0	920.2	920.4	920.2	919.7	919.2	918.7	918.2	918.9	919.5
157.5°	937.9	937.8	937.7	937.6	937.2	936.7	936.1	935.5	935.0	935.8	936.7
160°	948.1	947.7	947.2	946.7	946.3	946.2	946.0	945.8	945.7	946.7	947.7
162.5°	957.5	956.9	956.3	955.6	955.2	955.1	954.9	954.7	954.6	955.6	956.6
165°	969.3	968.5	967.7	966.9	966.5	966.5	966.5	966.5	966.5	967.8	969.1
167.5°	978.8	978.0	977.1	976.2	975.8	975.7	975.6	975.5	975.4	976.8	978.3
170°	984.0	983.0	982.0	981.1	980.6	980.8	981.0	981.1	981.3	982.6	983.9
172.5°	987.6	986.6	985.6	984.6	984.2	984.4	984.5	984.7	984.9	986.2	987.5
175°	991.4	990.5	989.5	988.5	988.1	988.2	988.4	988.6	988.7	990.2	991.7
177.5°	993.3	992.4	991.4	990.5	990.2	990.5	990.7	991.0	991.2	992.3	993.4
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1353.2	1354.1	1357.9	1360.9	1361.7	1366.0	1366.4
5°	1472.1	1481.2	1498.7	1500.3	1503.0	1516.8	1506.2
7.5°	1611.5	1634.4	1649.8	1663.3	1668.2	1674.2	1673.0
10°	1700.8	1734.9	1751.9	1779.0	1780.1	1787.0	1782.7
12.5°	1790.6	1830.2	1861.2	1866.2	1889.0	1892.5	1898.5
15°	1917.8	1959.8	2002.9	2018.3	2049.7	2057.2	2068.9
17.5°	2037.4	2080.3	2110.5	2150.4	2163.3	2180.5	2168.8
20°	2102.9	2149.7	2188.0	2219.4	2232.7	2242.2	2241.2
22.5°	2142.5	2189.7	2220.7	2244.5	2256.9	2261.0	2260.7
25°	2167.2	2194.4	2203.9	2213.0	2199.2	2194.4	2196.5
27.5°	2098.3	2091.3	2066.3	2033.5	1999.5	1972.5	1957.8
30°	2003.4	1962.0	1924.2	1858.2	1824.2	1804.0	1785.9
32.5°	1869.0	1803.3	1730.6	1670.2	1631.5	1601.5	1597.0
35°	1638.6	1539.7	1450.9	1376.9	1338.6	1306.2	1298.7
37.5°	1393.1	1290.3	1210.4	1145.3	1104.1	1081.2	1059.8
40°	1230.1	1141.9	1063.1	1007.8	976.5	960.0	946.7
42.5°	1104.6	1024.0	945.7	903.6	875.2	865.1	857.3
45°	931.2	856.3	802.0	770.1	753.6	736.6	728.6
47.5°	792.4	731.4	695.6	668.5	650.9	640.8	635.7
50°	713.7	663.7	631.8	611.1	595.1	587.1	582.9
52.5°	643.9	602.9	576.1	559.6	548.8	542.9	541.2
55°	554.7	523.3	506.3	492.0	484.0	478.7	476.5
57.5°	482.2	458.0	444.2	432.4	429.3	424.8	423.3
60°	434.5	415.9	404.2	396.2	393.6	388.2	389.3
62.5°	392.4	377.2	367.2	362.6	359.1	354.6	356.1
65°	331.9	320.7	315.4	311.1	306.9	304.2	306.3
67.5°	278.5	270.8	263.6	261.1	259.0	258.6	256.3
70°	243.6	237.2	230.8	229.2	229.2	227.1	226.6
72.5°	210.0	205.3	201.0	199.9	198.2	199.0	196.8
75°	162.2	158.5	156.9	155.3	154.8	154.8	153.2
77.5°	119.9	117.1	114.6	114.6	112.6	111.9	111.7
80°	90.9	89.9	87.8	87.8	86.7	87.2	86.2
82.5°	68.4	66.9	66.5	65.6	64.1	64.2	63.2
85°	36.7	35.1	34.6	33.0	31.9	33.0	31.9
87.5°	16.6	16.4	16.1	15.3	15.0	15.0	13.8
90°	19.3	20.3	20.9	21.3	21.6	21.9	22.3
92.5°	18.7	19.7	20.2	20.3	20.4	20.4	20.5
95°	19.3	20.3	20.9	21.0	21.2	21.4	21.5
97.5°	19.9	20.0	20.1	20.3	20.5	20.6	20.8
100°	24.2	21.4	20.1	20.3	20.5	20.6	20.8
102.5°	66.6	36.4	21.2	21.3	21.3	21.3	21.4
105°	236.0	237.5	235.3	229.4	223.4	217.5	211.6
107.5°	290.9	291.7	292.3	293.0	293.6	294.2	294.8
110°	328.3	328.7	329.1	329.6	330.1	330.6	331.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	364.6	364.5	364.8	365.4	366.0	366.7	367.3
115°	419.6	420.0	420.1	420.1	420.1	420.1	420.1
117.5°	474.3	474.2	474.1	474.1	474.0	473.9	473.9
120°	508.7	509.0	509.0	508.7	508.4	508.1	507.7
122.5°	542.2	542.4	542.3	542.0	541.6	541.3	541.0
125°	589.4	589.9	590.2	590.4	590.5	590.7	590.9
127.5°	635.4	635.3	635.2	635.1	634.9	634.8	634.7
130°	664.1	664.3	664.3	664.3	664.3	664.3	664.3
132.5°	692.0	692.2	692.2	692.1	691.9	691.8	691.7
135°	730.7	731.0	731.3	731.6	732.0	732.3	732.6
137.5°	767.6	767.9	768.1	768.0	767.9	767.8	767.7
140°	790.5	791.0	791.4	791.5	791.7	791.9	792.0
142.5°	811.5	811.9	812.1	812.1	812.1	812.2	812.2
145°	841.5	841.7	841.9	842.2	842.6	842.9	843.2
147.5°	868.0	868.1	868.3	868.4	868.6	868.8	868.9
150°	884.8	884.8	884.9	885.1	885.2	885.4	885.5
152.5°	899.8	900.1	900.2	900.1	900.0	899.9	899.8
155°	920.2	920.8	920.9	920.4	919.9	919.4	919.0
157.5°	937.6	938.4	938.4	937.6	936.7	935.8	935.0
160°	948.6	949.6	949.6	948.6	947.7	946.7	945.7
162.5°	957.5	958.5	958.5	957.4	956.2	955.1	954.0
165°	970.4	971.7	971.7	970.2	968.7	967.2	965.7
167.5°	979.7	981.2	981.1	979.4	977.8	976.1	974.5
170°	985.3	986.6	986.4	984.8	983.1	981.5	979.8
172.5°	988.8	990.1	989.9	988.1	986.4	984.6	982.8
175°	993.2	994.7	994.4	992.4	990.5	988.5	986.5
177.5°	994.4	995.5	995.2	993.6	992.0	990.5	988.9
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4

(END OF REPORT)