

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: P332927-840

Luminaire Tested: **S124RDIP-S795D365U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332927-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIP-S795D365U840-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4691.9 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Direct

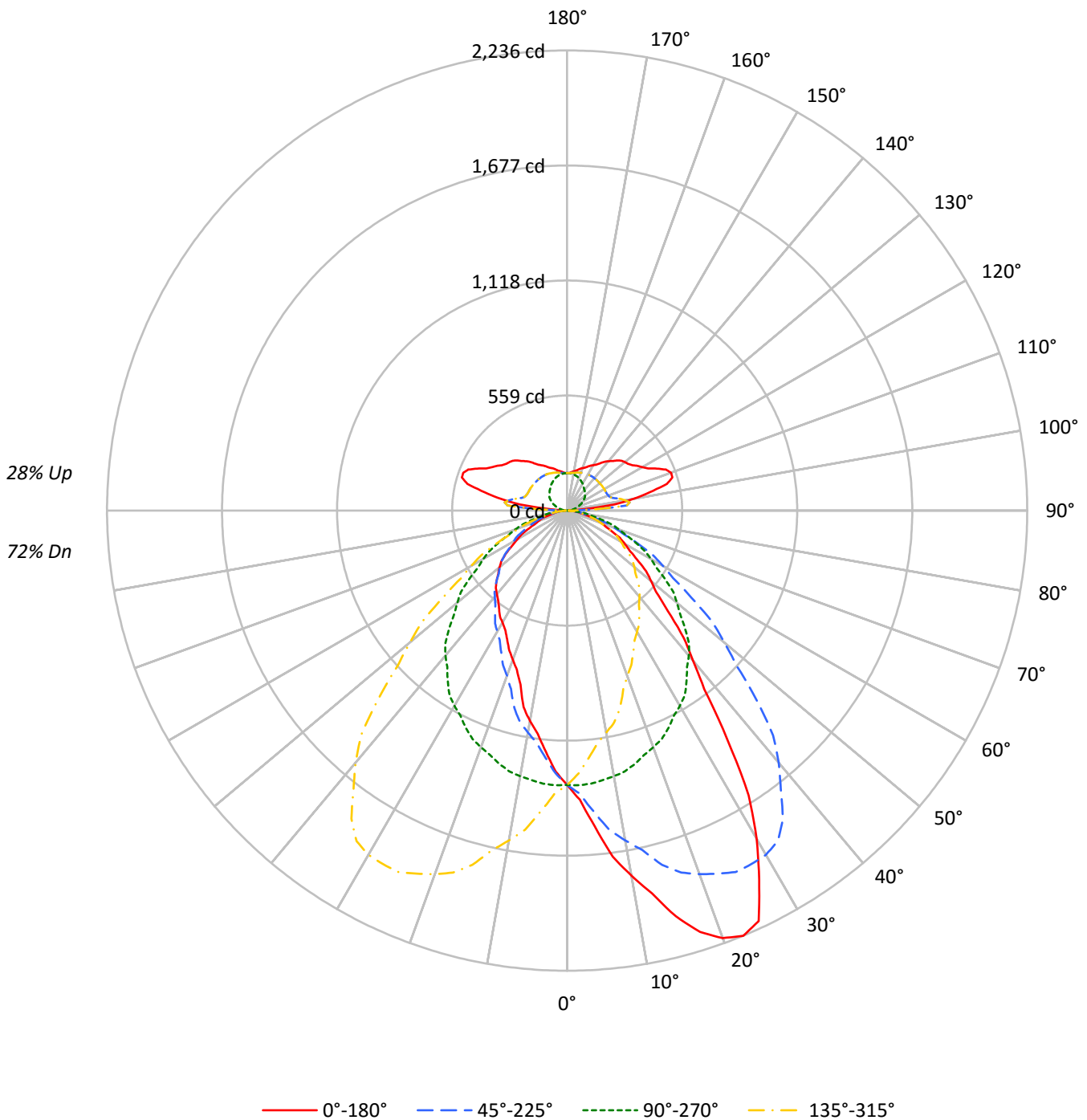
Input Watts (W): 35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	72
1	103	99	95	92	98	94	91	88	85	82	80	76	74	73	68	67	66	62
2	95	87	81	76	90	83	78	73	75	71	67	68	65	62	61	59	56	53
3	87	77	70	64	82	74	67	62	67	62	57	61	56	53	55	51	49	46
4	80	69	61	55	75	66	59	53	60	54	50	54	50	46	49	46	42	40
5	74	62	54	48	70	59	52	46	54	48	43	49	44	40	45	41	37	35
6	68	56	48	42	64	53	46	41	49	43	38	45	40	36	41	36	33	31
7	63	51	43	37	60	49	41	36	45	38	34	41	36	32	37	33	30	27
8	59	46	38	33	56	44	37	32	41	35	30	37	32	29	34	30	27	25
9	55	42	35	30	52	41	34	29	38	32	27	35	29	26	32	27	24	22
10	51	39	32	27	49	38	31	26	35	29	25	32	27	23	30	25	22	20

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

	0°	90°	180°	270°
0°	10761	10761	10761	10761
5°	12482	10794	9541	10794
10°	14767	10747	8515	10747
15°	17057	10647	7317	10647
20°	18991	10511	6617	10511
25°	19605	10377	6143	10377
30°	17162	10213	5857	10213
35°	13360	9973	5685	9973
40°	10019	9695	5593	9695
45°	7911	9252	5543	9252
50°	6678	8743	5383	8743
55°	5820	8179	5095	8179
60°	5238	7597	4510	7597
65°	4617	6967	3878	6967
70°	4157	6314	3498	6314
75°	3484	5596	2982	5596
80°	2947	4770	2799	4770
85°	2492	3733	2492	3733



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.2	2.8
10°-20°	389.6	8.3
20°-30°	609.4	13.0
30°-40°	677.4	14.4
40°-50°	601.0	12.8
50°-60°	468.4	10.0
60°-70°	306.6	6.5
70°-80°	150.8	3.2
80°-90°	38.2	0.8
90°-100°	131.2	2.8
100°-110°	273.1	5.8
110°-120°	244.6	5.2
120°-130°	205.8	4.4
130°-140°	171.6	3.7
140°-150°	131.1	2.8
150°-160°	92.1	2.0
160°-170°	54.2	1.2
170°-180°	17.6	0.4
0°-30°	1128.1	24.0
0°-40°	1805.6	38.5
0°-60°	2875.0	61.3
0°-90°	3370.6	71.8
90°-120°	648.9	13.8
90°-150°	1157.3	24.7
90°-180°	1321.0	28.2
0°-180°	4691.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1333	1333	1333	1333	1333	
5°	1540	1332	1177	1332	1540	156
15°	2041	1274	876	1274	2041	580
25°	2201	1165	690	1165	2201	976
35°	1356	1012	577	1012	1356	850
45°	693	810	486	810	693	549
55°	414	581	362	581	414	376
65°	242	365	203	365	242	243
75°	112	179	96	179	112	123
85°	27	40	27	40	27	30
90°	8	0	8	0	8	7
95°	87	12	87	12	87	135
105°	502	42	502	42	502	496
115°	482	74	482	74	482	479
125°	385	102	385	102	385	350
135°	344	122	344	122	344	266
145°	281	140	281	140	281	178
155°	235	160	235	160	235	110
165°	205	174	205	174	205	59
175°	185	181	185	181	185	18
180°	182	182	182	182	182	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1406.0	1410.0	1406.0	1405.6	1401.4	1400.1	1398.4	1392.8	1382.4	1376.4	1377.8
5°	1540.3	1553.8	1546.3	1545.2	1533.4	1521.6	1514.0	1496.8	1478.5	1466.2	1456.0
7.5°	1695.7	1703.4	1698.7	1691.1	1672.0	1661.2	1643.8	1621.1	1588.4	1563.4	1540.4
10°	1801.4	1807.9	1805.6	1791.7	1777.8	1749.3	1733.1	1701.5	1660.1	1627.4	1596.8
12.5°	1905.3	1912.3	1893.3	1894.0	1867.5	1845.1	1819.6	1779.7	1731.9	1689.7	1651.3
15°	2040.9	2032.4	2032.4	2021.5	1992.1	1960.9	1934.6	1892.7	1832.5	1782.0	1728.9
17.5°	2147.1	2150.0	2145.7	2120.3	2097.1	2064.9	2016.6	1967.7	1911.9	1844.1	1789.8
20°	2210.6	2210.6	2205.8	2188.6	2158.6	2124.2	2072.0	2018.9	1948.0	1879.8	1818.6
22.5°	2236.4	2238.2	2232.4	2218.3	2191.2	2157.7	2113.3	2059.3	1986.2	1909.5	1833.6
25°	2201.0	2211.2	2212.2	2208.5	2200.4	2180.0	2141.9	2086.6	2021.0	1937.8	1856.1
27.5°	2020.7	2033.6	2044.9	2063.5	2088.2	2101.0	2102.7	2074.7	2017.5	1937.3	1855.2
30°	1841.1	1851.9	1886.7	1932.4	1967.9	2000.1	2028.0	2035.6	2003.4	1931.4	1844.9
32.5°	1641.7	1656.4	1691.3	1740.4	1799.5	1854.0	1916.7	1948.7	1947.9	1904.7	1824.7
35°	1355.6	1366.3	1398.6	1450.2	1521.1	1602.2	1701.5	1778.8	1831.5	1827.7	1778.8
37.5°	1093.3	1105.4	1138.0	1180.7	1249.5	1349.9	1446.0	1552.6	1649.9	1704.6	1688.3
40°	950.7	951.2	982.9	1026.9	1091.4	1178.9	1283.6	1401.8	1510.3	1598.9	1616.1
42.5°	838.1	838.2	859.1	906.6	953.0	1035.4	1135.4	1252.7	1379.7	1482.1	1527.6
45°	692.9	697.7	714.9	743.4	779.8	849.7	929.7	1038.7	1181.0	1302.4	1378.2
47.5°	586.7	593.8	604.7	627.9	657.0	703.6	769.7	867.7	983.5	1117.0	1224.8
50°	531.7	532.8	546.7	559.7	584.9	622.0	679.9	761.5	867.9	996.3	1116.1
52.5°	484.4	484.2	492.6	509.0	529.5	558.4	605.2	679.5	773.9	888.9	1012.5
55°	413.5	416.3	422.7	435.6	451.1	471.6	508.6	564.5	638.6	736.9	849.1
57.5°	359.6	361.0	366.1	371.5	385.9	400.7	428.5	467.3	529.8	610.3	714.9
60°	324.4	325.0	326.6	334.6	345.9	359.8	378.6	411.4	464.0	537.7	620.4
62.5°	290.0	290.9	293.5	299.3	308.1	317.7	337.4	363.8	407.3	470.2	544.7
65°	241.7	242.3	246.0	248.1	255.1	263.7	278.2	295.9	326.0	378.6	435.0
67.5°	202.0	202.0	202.2	205.1	209.8	215.6	224.3	238.4	261.2	293.5	343.2
70°	176.1	176.1	177.2	178.8	181.6	186.3	191.2	202.0	218.6	244.9	283.1
72.5°	152.1	152.5	153.6	153.9	155.3	159.3	162.9	169.8	182.1	202.0	232.8
75°	111.7	113.3	116.0	118.2	120.9	120.3	124.1	128.4	132.1	143.9	161.7
77.5°	83.1	82.3	82.6	84.4	84.7	85.3	88.0	91.3	94.1	99.7	106.0
80°	63.4	63.4	65.0	65.5	65.0	65.5	68.2	69.8	70.9	73.0	79.0
82.5°	47.9	48.8	48.3	48.8	49.1	49.6	51.9	52.2	53.3	54.1	56.7
85°	26.9	27.4	28.0	26.9	26.9	26.9	28.0	28.5	29.6	29.0	30.1
87.5°	10.9	10.5	11.0	10.9	11.3	10.9	11.2	12.0	11.1	11.6	11.4
90°	7.5	7.5	7.9	7.5	7.2	7.2	6.8	6.5	6.1	6.5	5.8
92.5°	27.5	27.5	28.7	30.6	34.8	42.0	52.7	70.1	94.3	113.2	99.1
95°	87.1	91.7	98.2	109.2	126.7	161.3	209.1	264.5	299.1	290.8	219.5
97.5°	232.8	240.2	251.0	272.4	298.0	335.3	370.2	390.7	375.8	306.4	205.4
100°	327.3	330.1	340.8	362.6	393.6	420.1	437.6	430.4	378.3	287.0	186.3
102.5°	409.5	411.8	423.1	438.9	457.9	468.9	463.8	428.5	356.9	262.7	173.5
105°	502.2	504.3	509.3	512.2	511.5	496.9	461.5	399.7	318.0	234.1	162.4
107.5°	536.5	535.6	532.1	523.9	506.3	474.4	424.7	359.0	286.6	218.1	160.4
110°	537.1	533.9	527.6	512.5	487.2	448.0	396.2	334.5	270.9	212.7	161.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	520.3	515.1	506.1	488.0	459.2	419.9	371.0	316.4	262.1	210.2	162.7
115°	482.2	479.4	467.9	446.5	418.3	384.1	342.2	298.4	253.8	208.8	165.9
117.5°	443.5	441.3	429.8	411.8	387.8	358.7	325.9	289.5	250.0	208.4	169.5
120°	421.9	418.0	408.7	392.9	372.6	347.3	318.7	285.5	248.0	208.4	172.1
122.5°	404.8	400.8	392.9	379.5	362.3	340.1	314.2	282.1	245.8	208.1	174.6
125°	384.8	382.6	375.9	365.5	351.2	331.5	306.9	276.3	242.0	207.7	178.4
127.5°	373.0	370.9	365.2	356.0	341.6	323.1	298.4	269.1	236.9	206.9	181.6
130°	366.2	364.1	358.3	349.4	334.8	315.9	291.6	263.4	233.8	206.6	183.8
132.5°	358.5	356.4	350.9	340.8	326.5	307.6	283.9	257.4	231.0	206.4	185.8
135°	344.1	341.9	336.2	326.2	311.9	294.1	272.4	249.1	226.6	205.9	188.8
137.5°	326.2	323.7	318.9	309.1	295.7	279.6	261.3	241.7	223.0	205.9	190.6
140°	313.4	310.5	305.5	297.7	285.2	270.1	254.1	237.3	221.0	205.6	192.0
142.5°	299.6	297.7	293.3	286.0	274.9	261.9	248.1	233.4	219.2	205.6	193.2
145°	280.8	279.1	275.5	269.4	260.5	250.5	239.8	227.7	216.3	204.9	193.8
147.5°	264.3	263.6	260.9	255.7	249.1	241.3	232.7	223.1	213.7	203.6	194.2
150°	254.8	254.5	252.4	247.7	242.0	235.6	228.4	220.3	211.7	202.7	194.2
152.5°	246.3	245.9	244.6	240.9	236.0	230.8	224.2	217.1	209.3	201.3	193.6
155°	235.2	235.2	234.1	231.3	227.7	223.4	218.0	212.4	205.9	199.1	192.8
157.5°	225.5	225.5	224.9	222.7	220.0	216.6	212.1	207.3	202.5	196.9	191.8
160°	219.5	219.5	219.1	217.0	214.9	212.0	208.0	204.2	199.9	195.2	191.0
162.5°	213.8	214.1	213.7	211.6	210.1	207.4	204.4	201.1	197.6	193.5	190.1
165°	205.2	205.6	205.9	204.5	203.1	201.3	198.8	196.6	193.8	191.0	188.4
167.5°	198.4	198.7	198.8	197.8	197.1	196.1	194.1	192.5	190.4	188.3	186.7
170°	194.2	194.2	194.5	194.2	193.5	192.4	191.0	189.9	188.1	186.6	185.6
172.5°	189.9	190.5	190.8	190.5	190.1	189.2	188.3	187.6	186.1	184.9	184.5
175°	184.9	185.6	186.3	185.6	185.6	185.6	184.9	184.5	183.8	183.1	183.1
177.5°	182.0	182.5	183.1	182.8	183.1	182.8	182.8	182.5	182.3	182.0	182.0
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1373.4	1367.5	1364.4	1357.6	1349.4	1345.0	1341.2	1335.6	1328.3	1320.6	1314.9
5°	1443.1	1430.3	1414.1	1394.8	1377.7	1361.0	1346.5	1332.0	1315.3	1298.1	1280.9
7.5°	1514.7	1489.3	1462.0	1430.3	1399.5	1371.4	1345.6	1320.9	1292.9	1268.0	1245.2
10°	1564.5	1530.1	1492.0	1451.8	1411.5	1376.5	1342.2	1311.0	1276.7	1246.1	1220.2
12.5°	1604.9	1564.5	1518.6	1468.4	1420.1	1377.9	1338.3	1297.7	1258.6	1225.4	1191.0
15°	1671.9	1616.6	1554.9	1494.7	1431.9	1374.4	1321.2	1273.9	1229.4	1182.7	1149.9
17.5°	1718.0	1652.3	1577.3	1505.0	1430.8	1363.0	1301.7	1245.4	1194.0	1146.2	1107.2
20°	1745.6	1673.0	1589.7	1507.6	1424.3	1351.8	1285.8	1223.5	1170.3	1118.7	1078.4
22.5°	1761.0	1680.7	1589.7	1503.7	1417.4	1339.0	1266.5	1201.5	1143.7	1092.1	1047.5
25°	1766.0	1680.0	1587.1	1488.2	1393.7	1310.5	1235.3	1165.0	1100.4	1048.9	1001.7
27.5°	1759.1	1657.9	1562.7	1461.3	1363.7	1276.0	1197.1	1123.2	1058.6	1003.3	954.8
30°	1748.8	1640.2	1538.2	1432.9	1334.1	1249.8	1166.5	1095.6	1028.5	971.1	922.2
32.5°	1726.4	1618.8	1508.9	1401.2	1301.0	1214.2	1135.2	1063.9	998.0	939.3	887.4
35°	1682.1	1573.2	1453.9	1343.2	1245.0	1154.7	1080.7	1011.9	949.1	886.2	831.4
37.5°	1623.9	1512.5	1393.8	1272.6	1174.3	1089.1	1021.1	956.5	895.2	837.9	777.2
40°	1568.8	1467.3	1344.8	1224.6	1123.6	1041.4	978.6	920.0	858.3	801.3	740.6
42.5°	1502.2	1415.7	1292.0	1171.2	1071.6	992.4	933.9	876.7	820.4	765.3	702.0
45°	1391.1	1325.5	1209.5	1093.5	993.1	914.6	860.9	810.4	761.0	708.4	648.8
47.5°	1263.6	1219.3	1119.1	1000.4	907.5	836.9	785.0	743.8	702.0	649.3	597.0
50°	1175.2	1146.7	1050.0	941.5	852.9	787.9	734.8	696.1	661.2	610.7	563.9
52.5°	1080.7	1065.5	983.8	880.1	794.5	730.7	685.3	650.6	615.2	573.3	529.6
55°	936.6	944.7	875.5	785.8	705.2	651.5	610.2	581.1	551.1	515.6	481.8
57.5°	789.5	818.9	772.4	693.7	618.1	568.6	537.5	513.0	487.8	458.4	429.5
60°	701.5	726.1	699.8	630.6	564.5	518.3	489.3	470.5	445.2	418.4	396.4
62.5°	615.5	642.0	626.3	570.4	509.1	469.3	443.7	426.3	407.5	384.1	361.1
65°	507.6	524.7	517.3	478.6	435.0	401.2	377.6	364.7	347.5	330.3	309.9
67.5°	388.7	421.9	417.6	397.0	359.4	333.0	317.5	306.1	290.4	277.7	263.8
70°	319.5	350.2	349.6	333.0	312.6	287.9	277.1	267.5	253.5	241.2	229.8
72.5°	261.6	289.6	293.8	281.0	267.0	248.3	238.0	231.4	217.8	209.3	200.3
75°	183.2	203.6	208.9	208.9	202.5	192.8	183.7	179.4	169.8	162.2	156.8
77.5°	120.1	133.0	141.4	143.3	144.3	141.1	133.5	130.5	123.1	120.4	115.2
80°	84.8	93.4	103.1	106.3	109.1	108.0	104.7	102.6	95.6	92.9	90.8
82.5°	58.7	63.4	71.3	78.4	77.7	80.5	77.7	75.9	70.7	69.7	67.6
85°	30.6	31.1	32.2	37.1	39.8	40.8	41.4	40.3	38.7	38.7	34.9
87.5°	11.3	10.9	11.3	11.3	11.7	13.3	14.4	14.6	13.5	12.4	11.2
90°	4.9	4.9	2.8	2.8	2.5	2.1	1.1	0.4	1.1	2.1	2.5
92.5°	72.1	44.4	26.3	18.9	13.6	9.3	6.0	4.0	6.0	9.3	13.6
95°	134.2	75.6	44.6	29.6	21.1	16.5	12.8	11.8	12.8	16.5	21.1
97.5°	120.7	72.3	48.4	35.9	28.5	24.2	21.1	21.1	21.1	24.2	28.5
100°	113.5	73.2	52.1	40.7	33.9	29.6	27.2	27.2	27.2	29.6	33.9
102.5°	111.5	76.0	57.0	46.2	39.6	35.6	33.4	32.8	33.4	35.6	39.6
105°	112.4	82.8	65.6	55.3	48.9	44.6	42.8	41.8	42.8	44.6	48.9
107.5°	117.8	90.7	75.0	64.8	58.7	54.1	52.3	51.6	52.3	54.1	58.7
110°	121.7	96.7	81.0	71.4	64.9	60.7	58.9	58.2	58.9	60.7	64.9





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	126.0	102.4	87.3	77.7	71.2	67.3	65.1	64.4	65.1	67.3	71.2
115°	132.8	111.4	97.0	87.5	80.7	77.1	74.6	73.5	74.6	77.1	80.7
117.5°	139.7	120.0	106.4	96.4	90.1	86.1	83.9	82.9	83.9	86.1	90.1
120°	144.5	126.0	112.4	102.4	96.3	92.4	90.0	89.3	90.0	92.4	96.3
122.5°	149.2	131.7	118.2	108.5	101.8	98.2	95.6	94.9	95.6	98.2	101.8
125°	155.9	139.6	126.7	116.7	110.0	106.0	103.8	102.4	103.8	106.0	110.0
127.5°	161.9	146.8	134.4	124.3	117.2	112.8	110.2	109.1	110.2	112.8	117.2
130°	165.6	151.7	139.6	129.2	122.4	117.0	114.2	112.8	114.2	117.0	122.4
132.5°	169.4	155.7	143.5	133.8	126.4	121.4	117.6	116.5	117.6	121.4	126.4
135°	174.2	161.3	149.6	140.3	132.8	126.7	123.1	121.7	123.1	126.7	132.8
137.5°	177.6	165.6	154.6	145.7	137.9	132.2	128.3	126.9	128.3	132.2	137.9
140°	179.9	168.4	157.7	149.2	141.7	135.6	131.7	130.7	131.7	135.6	141.7
142.5°	181.6	171.1	160.6	152.3	145.1	139.4	135.7	134.6	135.7	139.4	145.1
145°	183.5	173.8	164.5	156.7	149.9	144.9	141.4	140.3	141.4	144.9	149.9
147.5°	185.1	176.6	167.9	160.9	155.2	150.2	146.9	146.6	146.9	150.2	155.2
150°	185.9	178.1	170.3	163.5	158.1	153.8	151.0	150.6	151.0	153.8	158.1
152.5°	186.5	179.3	172.3	166.0	161.3	157.2	154.4	154.3	154.4	157.2	161.3
155°	187.0	181.0	174.9	169.6	165.6	162.1	159.9	159.6	159.9	162.1	165.6
157.5°	187.0	182.2	177.0	172.8	169.4	166.6	164.6	164.6	164.6	166.6	169.4
160°	187.0	182.8	178.4	174.5	171.7	169.2	167.7	167.7	167.7	169.2	171.7
162.5°	187.0	183.3	179.4	176.2	173.7	171.5	170.4	170.6	170.4	171.5	173.7
165°	186.3	183.5	180.3	178.1	176.3	174.5	173.8	173.8	173.8	174.5	176.3
167.5°	185.4	183.4	181.1	179.4	178.3	177.0	176.6	177.0	176.6	177.0	178.3
170°	184.9	183.1	181.3	180.3	179.6	178.4	178.1	178.4	178.1	178.4	179.6
172.5°	184.3	182.8	181.6	180.8	180.4	179.6	179.6	179.9	179.6	179.6	180.4
175°	183.5	182.4	181.7	181.7	181.3	181.0	181.0	181.3	181.0	181.0	181.3
177.5°	182.5	182.0	181.7	181.7	181.7	181.4	181.7	182.0	181.7	181.4	181.7
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



TEST NUMBER: P332927-840

CATALOG NUMBER: S124RDIP-S795D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1309.0	1304.6	1299.1	1292.6	1285.0	1278.1	1275.1	1277.6	1278.9	1275.5	1275.1
5°	1269.1	1255.7	1245.0	1228.8	1216.0	1205.2	1197.7	1194.5	1195.6	1187.0	1184.8
7.5°	1224.4	1208.4	1190.8	1171.7	1153.9	1138.1	1129.8	1125.3	1116.2	1112.3	1105.7
10°	1195.6	1174.1	1156.9	1134.3	1113.9	1095.1	1086.0	1078.4	1069.3	1065.0	1055.9
12.5°	1165.9	1140.9	1122.1	1098.6	1077.8	1055.1	1046.4	1032.5	1018.2	1009.2	997.4
15°	1124.1	1094.1	1071.0	1043.0	1018.3	992.5	969.5	943.6	934.0	913.6	901.8
17.5°	1075.2	1044.7	1016.1	978.7	940.6	908.6	883.9	859.2	844.4	831.4	825.4
20°	1043.0	1015.1	975.3	931.8	889.4	853.9	834.0	818.0	801.8	792.7	786.3
22.5°	1012.5	976.8	930.7	883.7	841.3	813.5	796.7	780.1	767.1	758.4	749.7
25°	961.4	914.6	865.8	812.0	783.0	758.9	740.6	727.2	719.1	707.9	703.6
27.5°	908.9	852.2	798.3	762.2	732.1	709.9	694.0	683.9	673.7	666.5	661.0
30°	868.5	811.0	762.7	728.3	697.7	679.4	666.5	654.7	646.6	640.8	636.4
32.5°	828.5	771.0	730.4	693.5	669.3	651.5	637.7	628.9	622.6	615.0	612.4
35°	770.7	719.7	684.3	651.0	626.2	610.2	599.4	590.3	584.9	582.7	581.1
37.5°	715.2	673.4	635.3	607.9	585.9	573.3	560.6	556.1	552.4	548.6	550.3
40°	679.9	640.8	606.9	577.9	560.2	546.2	538.7	533.3	530.1	530.1	530.1
42.5°	649.4	611.1	578.1	552.1	534.4	522.6	514.2	509.7	508.6	508.2	510.8
45°	602.1	566.6	533.3	511.8	496.8	484.9	480.2	476.4	476.4	478.6	479.1
47.5°	555.1	521.9	495.2	471.1	457.4	450.0	445.8	443.8	444.0	446.3	448.7
50°	526.3	493.6	467.3	445.8	432.9	425.9	422.1	421.1	422.1	422.1	425.9
52.5°	494.9	465.6	439.8	421.7	407.1	400.5	398.5	397.0	397.7	399.4	401.0
55°	449.0	422.7	398.0	380.8	370.0	365.8	360.9	361.4	360.4	361.4	361.4
57.5°	402.9	379.3	356.3	342.6	333.3	327.0	321.7	323.3	321.6	321.4	320.5
60°	373.2	347.5	329.2	316.9	306.1	300.7	295.9	297.0	295.4	294.3	292.2
62.5°	341.0	319.5	302.2	290.2	281.7	275.4	270.5	269.5	265.8	262.1	257.4
65°	294.3	276.6	261.1	249.7	241.7	236.8	233.1	229.8	221.8	213.2	208.9
67.5°	248.9	236.1	221.6	212.1	205.5	199.1	192.0	186.5	178.9	174.2	171.6
70°	219.6	207.3	195.0	185.8	178.8	173.0	164.9	161.2	155.7	153.6	150.9
72.5°	191.8	180.3	168.7	160.5	153.1	148.5	142.1	138.4	136.0	135.1	132.5
75°	149.4	140.2	131.6	124.1	118.2	114.9	112.3	109.6	108.5	103.6	101.0
77.5°	109.0	102.9	97.6	92.2	88.0	85.8	80.7	77.6	75.7	73.5	72.9
80°	84.8	80.6	75.2	72.0	66.0	63.9	61.8	61.2	60.7	60.2	59.6
82.5°	63.8	59.5	54.1	52.2	50.6	49.3	48.0	47.5	47.0	47.3	47.2
85°	32.2	30.1	30.1	29.6	29.0	28.5	28.0	28.0	27.4	28.0	27.4
87.5°	11.3	10.9	11.3	10.4	11.0	11.2	10.7	10.7	11.2	10.4	10.4
90°	2.8	2.8	4.9	4.9	5.8	6.5	6.1	6.5	6.8	7.2	7.2
92.5°	18.9	26.3	44.4	72.1	99.1	113.2	94.3	70.1	52.7	42.0	34.8
95°	29.6	44.6	75.6	134.2	219.5	290.8	299.1	264.5	209.1	161.3	126.7
97.5°	35.9	48.4	72.3	120.7	205.4	306.4	375.8	390.7	370.2	335.3	298.0
100°	40.7	52.1	73.2	113.5	186.3	287.0	378.3	430.4	437.6	420.1	393.6
102.5°	46.2	57.0	76.0	111.5	173.5	262.7	356.9	428.5	463.8	468.9	457.9
105°	55.3	65.6	82.8	112.4	162.4	234.1	318.0	399.7	461.5	496.9	511.5
107.5°	64.8	75.0	90.7	117.8	160.4	218.1	286.6	359.0	424.7	474.4	506.3
110°	71.4	81.0	96.7	121.7	161.0	212.7	270.9	334.5	396.2	448.0	487.2



TEST NUMBER: P332927-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	77.7	87.3	102.4	126.0	162.7	210.2	262.1	316.4	371.0	419.9	459.2
115°	87.5	97.0	111.4	132.8	165.9	208.8	253.8	298.4	342.2	384.1	418.3
117.5°	96.4	106.4	120.0	139.7	169.5	208.4	250.0	289.5	325.9	358.7	387.8
120°	102.4	112.4	126.0	144.5	172.1	208.4	248.0	285.5	318.7	347.3	372.6
122.5°	108.5	118.2	131.7	149.2	174.6	208.1	245.8	282.1	314.2	340.1	362.3
125°	116.7	126.7	139.6	155.9	178.4	207.7	242.0	276.3	306.9	331.5	351.2
127.5°	124.3	134.4	146.8	161.9	181.6	206.9	236.9	269.1	298.4	323.1	341.6
130°	129.2	139.6	151.7	165.6	183.8	206.6	233.8	263.4	291.6	315.9	334.8
132.5°	133.8	143.5	155.7	169.4	185.8	206.4	231.0	257.4	283.9	307.6	326.5
135°	140.3	149.6	161.3	174.2	188.8	205.9	226.6	249.1	272.4	294.1	311.9
137.5°	145.7	154.6	165.6	177.6	190.6	205.9	223.0	241.7	261.3	279.6	295.7
140°	149.2	157.7	168.4	179.9	192.0	205.6	221.0	237.3	254.1	270.1	285.2
142.5°	152.3	160.6	171.1	181.6	193.2	205.6	219.2	233.4	248.1	261.9	274.9
145°	156.7	164.5	173.8	183.5	193.8	204.9	216.3	227.7	239.8	250.5	260.5
147.5°	160.9	167.9	176.6	185.1	194.2	203.6	213.7	223.1	232.7	241.3	249.1
150°	163.5	170.3	178.1	185.9	194.2	202.7	211.7	220.3	228.4	235.6	242.0
152.5°	166.0	172.3	179.3	186.5	193.6	201.3	209.3	217.1	224.2	230.8	236.0
155°	169.6	174.9	181.0	187.0	192.8	199.1	205.9	212.4	218.0	223.4	227.7
157.5°	172.8	177.0	182.2	187.0	191.8	196.9	202.5	207.3	212.1	216.6	220.0
160°	174.5	178.4	182.8	187.0	191.0	195.2	199.9	204.2	208.0	212.0	214.9
162.5°	176.2	179.4	183.3	187.0	190.1	193.5	197.6	201.1	204.4	207.4	210.1
165°	178.1	180.3	183.5	186.3	188.4	191.0	193.8	196.6	198.8	201.3	203.1
167.5°	179.4	181.1	183.4	185.4	186.7	188.3	190.4	192.5	194.1	196.1	197.1
170°	180.3	181.3	183.1	184.9	185.6	186.6	188.1	189.9	191.0	192.4	193.5
172.5°	180.8	181.6	182.8	184.3	184.5	184.9	186.1	187.6	188.3	189.2	190.1
175°	181.7	181.7	182.4	183.5	183.1	183.1	183.8	184.5	184.9	185.6	185.6
177.5°	181.7	181.7	182.0	182.5	182.0	182.0	182.3	182.5	182.8	182.8	183.1
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1272.4	1273.3	1270.3	1269.4	1270.3	1273.3	1272.4	1275.1	1275.5	1278.9	1277.6
5°	1180.5	1179.4	1176.8	1177.3	1176.8	1179.4	1180.5	1184.8	1187.0	1195.6	1194.5
7.5°	1101.9	1097.7	1098.8	1094.6	1098.8	1097.7	1101.9	1105.7	1112.3	1116.2	1125.3
10°	1053.8	1047.8	1043.0	1038.7	1043.0	1047.8	1053.8	1055.9	1065.0	1069.3	1078.4
12.5°	988.1	983.0	976.4	977.8	976.4	983.0	988.1	997.4	1009.2	1018.2	1032.5
15°	894.7	886.8	873.8	875.5	873.8	886.8	894.7	901.8	913.6	934.0	943.6
17.5°	815.9	816.0	810.0	811.4	810.0	816.0	815.9	825.4	831.4	844.4	859.2
20°	775.0	771.2	771.7	770.2	771.7	771.2	775.0	786.3	792.7	801.8	818.0
22.5°	746.7	742.0	738.3	735.0	738.3	742.0	746.7	749.7	758.4	767.1	780.1
25°	698.7	695.5	690.6	689.6	690.6	695.5	698.7	703.6	707.9	719.1	727.2
27.5°	656.6	656.0	654.1	651.6	654.1	656.0	656.6	661.0	666.5	673.7	683.9
30°	632.2	631.1	630.0	628.3	630.0	631.1	632.2	636.4	640.8	646.6	654.7
32.5°	610.3	609.6	608.5	608.6	608.5	609.6	610.3	612.4	615.0	622.6	628.9
35°	579.0	578.5	577.3	576.8	577.3	578.5	579.0	581.1	582.7	584.9	590.3
37.5°	549.8	551.2	550.5	550.4	550.5	551.2	549.8	550.3	548.6	552.4	556.1
40°	529.6	530.1	531.2	530.7	531.2	530.1	529.6	530.1	530.1	530.1	533.3
42.5°	512.8	512.9	514.4	512.6	514.4	512.9	512.8	510.8	508.2	508.6	509.7
45°	482.8	486.0	485.5	485.5	485.5	486.0	482.8	479.1	478.6	476.4	476.4
47.5°	450.1	452.8	453.6	453.5	453.6	452.8	450.1	448.7	446.3	444.0	443.8
50°	428.6	427.5	429.1	428.6	429.1	427.5	428.6	425.9	422.1	422.1	421.1
52.5°	402.4	402.6	402.5	401.9	402.5	402.6	402.4	401.0	399.4	397.7	397.0
55°	362.0	362.5	361.4	362.0	361.4	362.5	362.0	361.4	361.4	360.4	361.4
57.5°	318.2	315.6	316.7	315.4	316.7	315.6	318.2	320.5	321.4	321.6	323.3
60°	286.8	282.5	281.4	279.3	281.4	282.5	286.8	292.2	294.3	295.4	297.0
62.5°	251.6	248.5	244.9	246.6	244.9	248.5	251.6	257.4	262.1	265.8	269.5
65°	204.6	202.5	200.9	203.0	200.9	202.5	204.6	208.9	213.2	221.8	229.8
67.5°	169.4	168.2	168.2	167.1	168.2	168.2	169.4	171.6	174.2	178.9	186.5
70°	150.9	149.4	149.4	148.2	149.4	149.4	150.9	150.9	153.6	155.7	161.2
72.5°	132.0	130.4	130.9	130.2	130.9	130.4	132.0	132.5	135.1	136.0	138.4
75°	97.8	95.0	95.0	95.6	95.0	95.0	97.8	101.0	103.6	108.5	109.6
77.5°	72.9	72.4	73.1	72.2	73.1	72.4	72.9	72.9	73.5	75.7	77.6
80°	59.6	59.1	58.6	60.2	58.6	59.1	59.6	59.6	60.2	60.7	61.2
82.5°	46.3	46.2	46.0	48.2	46.0	46.2	46.3	47.2	47.3	47.0	47.5
85°	28.0	26.9	28.0	26.9	28.0	26.9	28.0	27.4	28.0	27.4	28.0
87.5°	11.4	11.0	10.5	10.9	10.5	11.0	11.4	10.4	10.4	11.2	10.7
90°	7.5	7.9	7.5	7.5	7.5	7.9	7.5	7.2	7.2	6.8	6.5
92.5°	30.6	28.7	27.5	27.5	27.5	28.7	30.6	34.8	42.0	52.7	70.1
95°	109.2	98.2	91.7	87.1	91.7	98.2	109.2	126.7	161.3	209.1	264.5
97.5°	272.4	251.0	240.2	232.8	240.2	251.0	272.4	298.0	335.3	370.2	390.7
100°	362.6	340.8	330.1	327.3	330.1	340.8	362.6	393.6	420.1	437.6	430.4
102.5°	438.9	423.1	411.8	409.5	411.8	423.1	438.9	457.9	468.9	463.8	428.5
105°	512.2	509.3	504.3	502.2	504.3	509.3	512.2	511.5	496.9	461.5	399.7
107.5°	523.9	532.1	535.6	536.5	535.6	532.1	523.9	506.3	474.4	424.7	359.0
110°	512.5	527.6	533.9	537.1	533.9	527.6	512.5	487.2	448.0	396.2	334.5



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	488.0	506.1	515.1	520.3	515.1	506.1	488.0	459.2	419.9	371.0	316.4
115°	446.5	467.9	479.4	482.2	479.4	467.9	446.5	418.3	384.1	342.2	298.4
117.5°	411.8	429.8	441.3	443.5	441.3	429.8	411.8	387.8	358.7	325.9	289.5
120°	392.9	408.7	418.0	421.9	418.0	408.7	392.9	372.6	347.3	318.7	285.5
122.5°	379.5	392.9	400.8	404.8	400.8	392.9	379.5	362.3	340.1	314.2	282.1
125°	365.5	375.9	382.6	384.8	382.6	375.9	365.5	351.2	331.5	306.9	276.3
127.5°	356.0	365.2	370.9	373.0	370.9	365.2	356.0	341.6	323.1	298.4	269.1
130°	349.4	358.3	364.1	366.2	364.1	358.3	349.4	334.8	315.9	291.6	263.4
132.5°	340.8	350.9	356.4	358.5	356.4	350.9	340.8	326.5	307.6	283.9	257.4
135°	326.2	336.2	341.9	344.1	341.9	336.2	326.2	311.9	294.1	272.4	249.1
137.5°	309.1	318.9	323.7	326.2	323.7	318.9	309.1	295.7	279.6	261.3	241.7
140°	297.7	305.5	310.5	313.4	310.5	305.5	297.7	285.2	270.1	254.1	237.3
142.5°	286.0	293.3	297.7	299.6	297.7	293.3	286.0	274.9	261.9	248.1	233.4
145°	269.4	275.5	279.1	280.8	279.1	275.5	269.4	260.5	250.5	239.8	227.7
147.5°	255.7	260.9	263.6	264.3	263.6	260.9	255.7	249.1	241.3	232.7	223.1
150°	247.7	252.4	254.5	254.8	254.5	252.4	247.7	242.0	235.6	228.4	220.3
152.5°	240.9	244.6	245.9	246.3	245.9	244.6	240.9	236.0	230.8	224.2	217.1
155°	231.3	234.1	235.2	235.2	235.2	234.1	231.3	227.7	223.4	218.0	212.4
157.5°	222.7	224.9	225.5	225.5	225.5	224.9	222.7	220.0	216.6	212.1	207.3
160°	217.0	219.1	219.5	219.5	219.5	219.1	217.0	214.9	212.0	208.0	204.2
162.5°	211.6	213.7	214.1	213.8	214.1	213.7	211.6	210.1	207.4	204.4	201.1
165°	204.5	205.9	205.6	205.2	205.6	205.9	204.5	203.1	201.3	198.8	196.6
167.5°	197.8	198.8	198.7	198.4	198.7	198.8	197.8	197.1	196.1	194.1	192.5
170°	194.2	194.5	194.2	194.2	194.2	194.5	194.2	193.5	192.4	191.0	189.9
172.5°	190.5	190.8	190.5	189.9	190.5	190.8	190.5	190.1	189.2	188.3	187.6
175°	185.6	186.3	185.6	184.9	185.6	186.3	185.6	185.6	185.6	184.9	184.5
177.5°	182.8	183.1	182.5	182.0	182.5	183.1	182.8	183.1	182.8	182.8	182.5
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



TEST NUMBER: P332927-840

CATALOG NUMBER: S124RDIP-S795D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1275.1	1278.1	1285.0	1292.6	1299.1	1304.6	1309.0	1314.9	1320.6	1328.3	1335.6
5°	1197.7	1205.2	1216.0	1228.8	1245.0	1255.7	1269.1	1280.9	1298.1	1315.3	1332.0
7.5°	1129.8	1138.1	1153.9	1171.7	1190.8	1208.4	1224.4	1245.2	1268.0	1292.9	1320.9
10°	1086.0	1095.1	1113.9	1134.3	1156.9	1174.1	1195.6	1220.2	1246.1	1276.7	1311.0
12.5°	1046.4	1055.1	1077.8	1098.6	1122.1	1140.9	1165.9	1191.0	1225.4	1258.6	1297.7
15°	969.5	992.5	1018.3	1043.0	1071.0	1094.1	1124.1	1149.9	1182.7	1229.4	1273.9
17.5°	883.9	908.6	940.6	978.7	1016.1	1044.7	1075.2	1107.2	1146.2	1194.0	1245.4
20°	834.0	853.9	889.4	931.8	975.3	1015.1	1043.0	1078.4	1118.7	1170.3	1223.5
22.5°	796.7	813.5	841.3	883.7	930.7	976.8	1012.5	1047.5	1092.1	1143.7	1201.5
25°	740.6	758.9	783.0	812.0	865.8	914.6	961.4	1001.7	1048.9	1100.4	1165.0
27.5°	694.0	709.9	732.1	762.2	798.3	852.2	908.9	954.8	1003.3	1058.6	1123.2
30°	666.5	679.4	697.7	728.3	762.7	811.0	868.5	922.2	971.1	1028.5	1095.6
32.5°	637.7	651.5	669.3	693.5	730.4	771.0	828.5	887.4	939.3	998.0	1063.9
35°	599.4	610.2	626.2	651.0	684.3	719.7	770.7	831.4	886.2	949.1	1011.9
37.5°	560.6	573.3	585.9	607.9	635.3	673.4	715.2	777.2	837.9	895.2	956.5
40°	538.7	546.2	560.2	577.9	606.9	640.8	679.9	740.6	801.3	858.3	920.0
42.5°	514.2	522.6	534.4	552.1	578.1	611.1	649.4	702.0	765.3	820.4	876.7
45°	480.2	484.9	496.8	511.8	533.3	566.6	602.1	648.8	708.4	761.0	810.4
47.5°	445.8	450.0	457.4	471.1	495.2	521.9	555.1	597.0	649.3	702.0	743.8
50°	422.1	425.9	432.9	445.8	467.3	493.6	526.3	563.9	610.7	661.2	696.1
52.5°	398.5	400.5	407.1	421.7	439.8	465.6	494.9	529.6	573.3	615.2	650.6
55°	360.9	365.8	370.0	380.8	398.0	422.7	449.0	481.8	515.6	551.1	581.1
57.5°	321.7	327.0	333.3	342.6	356.3	379.3	402.9	429.5	458.4	487.8	513.0
60°	295.9	300.7	306.1	316.9	329.2	347.5	373.2	396.4	418.4	445.2	470.5
62.5°	270.5	275.4	281.7	290.2	302.2	319.5	341.0	361.1	384.1	407.5	426.3
65°	233.1	236.8	241.7	249.7	261.1	276.6	294.3	309.9	330.3	347.5	364.7
67.5°	192.0	199.1	205.5	212.1	221.6	236.1	248.9	263.8	277.7	290.4	306.1
70°	164.9	173.0	178.8	185.8	195.0	207.3	219.6	229.8	241.2	253.5	267.5
72.5°	142.1	148.5	153.1	160.5	168.7	180.3	191.8	200.3	209.3	217.8	231.4
75°	112.3	114.9	118.2	124.1	131.6	140.2	149.4	156.8	162.2	169.8	179.4
77.5°	80.7	85.8	88.0	92.2	97.6	102.9	109.0	115.2	120.4	123.1	130.5
80°	61.8	63.9	66.0	72.0	75.2	80.6	84.8	90.8	92.9	95.6	102.6
82.5°	48.0	49.3	50.6	52.2	54.1	59.5	63.8	67.6	69.7	70.7	75.9
85°	28.0	28.5	29.0	29.6	30.1	30.1	32.2	34.9	38.7	38.7	40.3
87.5°	10.7	11.2	11.0	10.4	11.3	10.9	11.3	11.2	12.4	13.5	14.6
90°	6.1	6.5	5.8	4.9	4.9	2.8	2.8	2.5	2.1	1.1	0.4
92.5°	94.3	113.2	99.1	72.1	44.4	26.3	18.9	13.6	9.3	6.0	4.0
95°	299.1	290.8	219.5	134.2	75.6	44.6	29.6	21.1	16.5	12.8	11.8
97.5°	375.8	306.4	205.4	120.7	72.3	48.4	35.9	28.5	24.2	21.1	21.1
100°	378.3	287.0	186.3	113.5	73.2	52.1	40.7	33.9	29.6	27.2	27.2
102.5°	356.9	262.7	173.5	111.5	76.0	57.0	46.2	39.6	35.6	33.4	32.8
105°	318.0	234.1	162.4	112.4	82.8	65.6	55.3	48.9	44.6	42.8	41.8
107.5°	286.6	218.1	160.4	117.8	90.7	75.0	64.8	58.7	54.1	52.3	51.6
110°	270.9	212.7	161.0	121.7	96.7	81.0	71.4	64.9	60.7	58.9	58.2



TEST NUMBER: P332927-840

CATALOG NUMBER: S124RDIP-S795D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	262.1	210.2	162.7	126.0	102.4	87.3	77.7	71.2	67.3	65.1	64.4
115°	253.8	208.8	165.9	132.8	111.4	97.0	87.5	80.7	77.1	74.6	73.5
117.5°	250.0	208.4	169.5	139.7	120.0	106.4	96.4	90.1	86.1	83.9	82.9
120°	248.0	208.4	172.1	144.5	126.0	112.4	102.4	96.3	92.4	90.0	89.3
122.5°	245.8	208.1	174.6	149.2	131.7	118.2	108.5	101.8	98.2	95.6	94.9
125°	242.0	207.7	178.4	155.9	139.6	126.7	116.7	110.0	106.0	103.8	102.4
127.5°	236.9	206.9	181.6	161.9	146.8	134.4	124.3	117.2	112.8	110.2	109.1
130°	233.8	206.6	183.8	165.6	151.7	139.6	129.2	122.4	117.0	114.2	112.8
132.5°	231.0	206.4	185.8	169.4	155.7	143.5	133.8	126.4	121.4	117.6	116.5
135°	226.6	205.9	188.8	174.2	161.3	149.6	140.3	132.8	126.7	123.1	121.7
137.5°	223.0	205.9	190.6	177.6	165.6	154.6	145.7	137.9	132.2	128.3	126.9
140°	221.0	205.6	192.0	179.9	168.4	157.7	149.2	141.7	135.6	131.7	130.7
142.5°	219.2	205.6	193.2	181.6	171.1	160.6	152.3	145.1	139.4	135.7	134.6
145°	216.3	204.9	193.8	183.5	173.8	164.5	156.7	149.9	144.9	141.4	140.3
147.5°	213.7	203.6	194.2	185.1	176.6	167.9	160.9	155.2	150.2	146.9	146.6
150°	211.7	202.7	194.2	185.9	178.1	170.3	163.5	158.1	153.8	151.0	150.6
152.5°	209.3	201.3	193.6	186.5	179.3	172.3	166.0	161.3	157.2	154.4	154.3
155°	205.9	199.1	192.8	187.0	181.0	174.9	169.6	165.6	162.1	159.9	159.6
157.5°	202.5	196.9	191.8	187.0	182.2	177.0	172.8	169.4	166.6	164.6	164.6
160°	199.9	195.2	191.0	187.0	182.8	178.4	174.5	171.7	169.2	167.7	167.7
162.5°	197.6	193.5	190.1	187.0	183.3	179.4	176.2	173.7	171.5	170.4	170.6
165°	193.8	191.0	188.4	186.3	183.5	180.3	178.1	176.3	174.5	173.8	173.8
167.5°	190.4	188.3	186.7	185.4	183.4	181.1	179.4	178.3	177.0	176.6	177.0
170°	188.1	186.6	185.6	184.9	183.1	181.3	180.3	179.6	178.4	178.1	178.4
172.5°	186.1	184.9	184.5	184.3	182.8	181.6	180.8	180.4	179.6	179.6	179.9
175°	183.8	183.1	183.1	183.5	182.4	181.7	181.7	181.3	181.0	181.0	181.3
177.5°	182.3	182.0	182.0	182.5	182.0	181.7	181.7	181.7	181.4	181.7	182.0
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



TEST NUMBER: P332927-840

CATALOG NUMBER: S124RDIP-S795D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1341.2	1345.0	1349.4	1357.6	1364.4	1367.5	1373.4	1377.8	1376.4	1382.4	1392.8
5°	1346.5	1361.0	1377.7	1394.8	1414.1	1430.3	1443.1	1456.0	1466.2	1478.5	1496.8
7.5°	1345.6	1371.4	1399.5	1430.3	1462.0	1489.3	1514.7	1540.4	1563.4	1588.4	1621.1
10°	1342.2	1376.5	1411.5	1451.8	1492.0	1530.1	1564.5	1596.8	1627.4	1660.1	1701.5
12.5°	1338.3	1377.9	1420.1	1468.4	1518.6	1564.5	1604.9	1651.3	1689.7	1731.9	1779.7
15°	1321.2	1374.4	1431.9	1494.7	1554.9	1616.6	1671.9	1728.9	1782.0	1832.5	1892.7
17.5°	1301.7	1363.0	1430.8	1505.0	1577.3	1652.3	1718.0	1789.8	1844.1	1911.9	1967.7
20°	1285.8	1351.8	1424.3	1507.6	1589.7	1673.0	1745.6	1818.6	1879.8	1948.0	2018.9
22.5°	1266.5	1339.0	1417.4	1503.7	1589.7	1680.7	1761.0	1833.6	1909.5	1986.2	2059.3
25°	1235.3	1310.5	1393.7	1488.2	1587.1	1680.0	1766.0	1856.1	1937.8	2021.0	2086.6
27.5°	1197.1	1276.0	1363.7	1461.3	1562.7	1657.9	1759.1	1855.2	1937.3	2017.5	2074.7
30°	1166.5	1249.8	1334.1	1432.9	1538.2	1640.2	1748.8	1844.9	1931.4	2003.4	2035.6
32.5°	1135.2	1214.2	1301.0	1401.2	1508.9	1618.8	1726.4	1824.7	1904.7	1947.9	1948.7
35°	1080.7	1154.7	1245.0	1343.2	1453.9	1573.2	1682.1	1778.8	1827.7	1831.5	1778.8
37.5°	1021.1	1089.1	1174.3	1272.6	1393.8	1512.5	1623.9	1688.3	1704.6	1649.9	1552.6
40°	978.6	1041.4	1123.6	1224.6	1344.8	1467.3	1568.8	1616.1	1598.9	1510.3	1401.8
42.5°	933.9	992.4	1071.6	1171.2	1292.0	1415.7	1502.2	1527.6	1482.1	1379.7	1252.7
45°	860.9	914.6	993.1	1093.5	1209.5	1325.5	1391.1	1378.2	1302.4	1181.0	1038.7
47.5°	785.0	836.9	907.5	1000.4	1119.1	1219.3	1263.6	1224.8	1117.0	983.5	867.7
50°	734.8	787.9	852.9	941.5	1050.0	1146.7	1175.2	1116.1	996.3	867.9	761.5
52.5°	685.3	730.7	794.5	880.1	983.8	1065.5	1080.7	1012.5	888.9	773.9	679.5
55°	610.2	651.5	705.2	785.8	875.5	944.7	936.6	849.1	736.9	638.6	564.5
57.5°	537.5	568.6	618.1	693.7	772.4	818.9	789.5	714.9	610.3	529.8	467.3
60°	489.3	518.3	564.5	630.6	699.8	726.1	701.5	620.4	537.7	464.0	411.4
62.5°	443.7	469.3	509.1	570.4	626.3	642.0	615.5	544.7	470.2	407.3	363.8
65°	377.6	401.2	435.0	478.6	517.3	524.7	507.6	435.0	378.6	326.0	295.9
67.5°	317.5	333.0	359.4	397.0	417.6	421.9	388.7	343.2	293.5	261.2	238.4
70°	277.1	287.9	312.6	333.0	349.6	350.2	319.5	283.1	244.9	218.6	202.0
72.5°	238.0	248.3	267.0	281.0	293.8	289.6	261.6	232.8	202.0	182.1	169.8
75°	183.7	192.8	202.5	208.9	208.9	203.6	183.2	161.7	143.9	132.1	128.4
77.5°	133.5	141.1	144.3	143.3	141.4	133.0	120.1	106.0	99.7	94.1	91.3
80°	104.7	108.0	109.1	106.3	103.1	93.4	84.8	79.0	73.0	70.9	69.8
82.5°	77.7	80.5	77.7	78.4	71.3	63.4	58.7	56.7	54.1	53.3	52.2
85°	41.4	40.8	39.8	37.1	32.2	31.1	30.6	30.1	29.0	29.6	28.5
87.5°	14.4	13.3	11.7	11.3	11.3	10.9	11.3	11.4	11.6	11.1	12.0
90°	1.1	2.1	2.5	2.8	2.8	4.9	4.9	5.8	6.5	6.1	6.5
92.5°	6.0	9.3	13.6	18.9	26.3	44.4	72.1	99.1	113.2	94.3	70.1
95°	12.8	16.5	21.1	29.6	44.6	75.6	134.2	219.5	290.8	299.1	264.5
97.5°	21.1	24.2	28.5	35.9	48.4	72.3	120.7	205.4	306.4	375.8	390.7
100°	27.2	29.6	33.9	40.7	52.1	73.2	113.5	186.3	287.0	378.3	430.4
102.5°	33.4	35.6	39.6	46.2	57.0	76.0	111.5	173.5	262.7	356.9	428.5
105°	42.8	44.6	48.9	55.3	65.6	82.8	112.4	162.4	234.1	318.0	399.7
107.5°	52.3	54.1	58.7	64.8	75.0	90.7	117.8	160.4	218.1	286.6	359.0
110°	58.9	60.7	64.9	71.4	81.0	96.7	121.7	161.0	212.7	270.9	334.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	65.1	67.3	71.2	77.7	87.3	102.4	126.0	162.7	210.2	262.1	316.4
115°	74.6	77.1	80.7	87.5	97.0	111.4	132.8	165.9	208.8	253.8	298.4
117.5°	83.9	86.1	90.1	96.4	106.4	120.0	139.7	169.5	208.4	250.0	289.5
120°	90.0	92.4	96.3	102.4	112.4	126.0	144.5	172.1	208.4	248.0	285.5
122.5°	95.6	98.2	101.8	108.5	118.2	131.7	149.2	174.6	208.1	245.8	282.1
125°	103.8	106.0	110.0	116.7	126.7	139.6	155.9	178.4	207.7	242.0	276.3
127.5°	110.2	112.8	117.2	124.3	134.4	146.8	161.9	181.6	206.9	236.9	269.1
130°	114.2	117.0	122.4	129.2	139.6	151.7	165.6	183.8	206.6	233.8	263.4
132.5°	117.6	121.4	126.4	133.8	143.5	155.7	169.4	185.8	206.4	231.0	257.4
135°	123.1	126.7	132.8	140.3	149.6	161.3	174.2	188.8	205.9	226.6	249.1
137.5°	128.3	132.2	137.9	145.7	154.6	165.6	177.6	190.6	205.9	223.0	241.7
140°	131.7	135.6	141.7	149.2	157.7	168.4	179.9	192.0	205.6	221.0	237.3
142.5°	135.7	139.4	145.1	152.3	160.6	171.1	181.6	193.2	205.6	219.2	233.4
145°	141.4	144.9	149.9	156.7	164.5	173.8	183.5	193.8	204.9	216.3	227.7
147.5°	146.9	150.2	155.2	160.9	167.9	176.6	185.1	194.2	203.6	213.7	223.1
150°	151.0	153.8	158.1	163.5	170.3	178.1	185.9	194.2	202.7	211.7	220.3
152.5°	154.4	157.2	161.3	166.0	172.3	179.3	186.5	193.6	201.3	209.3	217.1
155°	159.9	162.1	165.6	169.6	174.9	181.0	187.0	192.8	199.1	205.9	212.4
157.5°	164.6	166.6	169.4	172.8	177.0	182.2	187.0	191.8	196.9	202.5	207.3
160°	167.7	169.2	171.7	174.5	178.4	182.8	187.0	191.0	195.2	199.9	204.2
162.5°	170.4	171.5	173.7	176.2	179.4	183.3	187.0	190.1	193.5	197.6	201.1
165°	173.8	174.5	176.3	178.1	180.3	183.5	186.3	188.4	191.0	193.8	196.6
167.5°	176.6	177.0	178.3	179.4	181.1	183.4	185.4	186.7	188.3	190.4	192.5
170°	178.1	178.4	179.6	180.3	181.3	183.1	184.9	185.6	186.6	188.1	189.9
172.5°	179.6	179.6	180.4	180.8	181.6	182.8	184.3	184.5	184.9	186.1	187.6
175°	181.0	181.0	181.3	181.7	181.7	182.4	183.5	183.1	183.1	183.8	184.5
177.5°	181.7	181.4	181.7	181.7	181.7	182.0	182.5	182.0	182.0	182.3	182.5
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1398.4	1400.1	1401.4	1405.6	1406.0	1410.0	1406.0
5°	1514.0	1521.6	1533.4	1545.2	1546.3	1553.8	1540.3
7.5°	1643.8	1661.2	1672.0	1691.1	1698.7	1703.4	1695.7
10°	1733.1	1749.3	1777.8	1791.7	1805.6	1807.9	1801.4
12.5°	1819.6	1845.1	1867.5	1894.0	1893.3	1912.3	1905.3
15°	1934.6	1960.9	1992.1	2021.5	2032.4	2032.4	2040.9
17.5°	2016.6	2064.9	2097.1	2120.3	2145.7	2150.0	2147.1
20°	2072.0	2124.2	2158.6	2188.6	2205.8	2210.6	2210.6
22.5°	2113.3	2157.7	2191.2	2218.3	2232.4	2238.2	2236.4
25°	2141.9	2180.0	2200.4	2208.5	2212.2	2211.2	2201.0
27.5°	2102.7	2101.0	2088.2	2063.5	2044.9	2033.6	2020.7
30°	2028.0	2000.1	1967.9	1932.4	1886.7	1851.9	1841.1
32.5°	1916.7	1854.0	1799.5	1740.4	1691.3	1656.4	1641.7
35°	1701.5	1602.2	1521.1	1450.2	1398.6	1366.3	1355.6
37.5°	1446.0	1349.9	1249.5	1180.7	1138.0	1105.4	1093.3
40°	1283.6	1178.9	1091.4	1026.9	982.9	951.2	950.7
42.5°	1135.4	1035.4	953.0	906.6	859.1	838.2	838.1
45°	929.7	849.7	779.8	743.4	714.9	697.7	692.9
47.5°	769.7	703.6	657.0	627.9	604.7	593.8	586.7
50°	679.9	622.0	584.9	559.7	546.7	532.8	531.7
52.5°	605.2	558.4	529.5	509.0	492.6	484.2	484.4
55°	508.6	471.6	451.1	435.6	422.7	416.3	413.5
57.5°	428.5	400.7	385.9	371.5	366.1	361.0	359.6
60°	378.6	359.8	345.9	334.6	326.6	325.0	324.4
62.5°	337.4	317.7	308.1	299.3	293.5	290.9	290.0
65°	278.2	263.7	255.1	248.1	246.0	242.3	241.7
67.5°	224.3	215.6	209.8	205.1	202.2	202.0	202.0
70°	191.2	186.3	181.6	178.8	177.2	176.1	176.1
72.5°	162.9	159.3	155.3	153.9	153.6	152.5	152.1
75°	124.1	120.3	120.9	118.2	116.0	113.3	111.7
77.5°	88.0	85.3	84.7	84.4	82.6	82.3	83.1
80°	68.2	65.5	65.0	65.5	65.0	63.4	63.4
82.5°	51.9	49.6	49.1	48.8	48.3	48.8	47.9
85°	28.0	26.9	26.9	26.9	28.0	27.4	26.9
87.5°	11.2	10.9	11.3	10.9	11.0	10.5	10.9
90°	6.8	7.2	7.2	7.5	7.9	7.5	7.5
92.5°	52.7	42.0	34.8	30.6	28.7	27.5	27.5
95°	209.1	161.3	126.7	109.2	98.2	91.7	87.1
97.5°	370.2	335.3	298.0	272.4	251.0	240.2	232.8
100°	437.6	420.1	393.6	362.6	340.8	330.1	327.3
102.5°	463.8	468.9	457.9	438.9	423.1	411.8	409.5
105°	461.5	496.9	511.5	512.2	509.3	504.3	502.2
107.5°	424.7	474.4	506.3	523.9	532.1	535.6	536.5
110°	396.2	448.0	487.2	512.5	527.6	533.9	537.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	371.0	419.9	459.2	488.0	506.1	515.1	520.3
115°	342.2	384.1	418.3	446.5	467.9	479.4	482.2
117.5°	325.9	358.7	387.8	411.8	429.8	441.3	443.5
120°	318.7	347.3	372.6	392.9	408.7	418.0	421.9
122.5°	314.2	340.1	362.3	379.5	392.9	400.8	404.8
125°	306.9	331.5	351.2	365.5	375.9	382.6	384.8
127.5°	298.4	323.1	341.6	356.0	365.2	370.9	373.0
130°	291.6	315.9	334.8	349.4	358.3	364.1	366.2
132.5°	283.9	307.6	326.5	340.8	350.9	356.4	358.5
135°	272.4	294.1	311.9	326.2	336.2	341.9	344.1
137.5°	261.3	279.6	295.7	309.1	318.9	323.7	326.2
140°	254.1	270.1	285.2	297.7	305.5	310.5	313.4
142.5°	248.1	261.9	274.9	286.0	293.3	297.7	299.6
145°	239.8	250.5	260.5	269.4	275.5	279.1	280.8
147.5°	232.7	241.3	249.1	255.7	260.9	263.6	264.3
150°	228.4	235.6	242.0	247.7	252.4	254.5	254.8
152.5°	224.2	230.8	236.0	240.9	244.6	245.9	246.3
155°	218.0	223.4	227.7	231.3	234.1	235.2	235.2
157.5°	212.1	216.6	220.0	222.7	224.9	225.5	225.5
160°	208.0	212.0	214.9	217.0	219.1	219.5	219.5
162.5°	204.4	207.4	210.1	211.6	213.7	214.1	213.8
165°	198.8	201.3	203.1	204.5	205.9	205.6	205.2
167.5°	194.1	196.1	197.1	197.8	198.8	198.7	198.4
170°	191.0	192.4	193.5	194.2	194.5	194.2	194.2
172.5°	188.3	189.2	190.1	190.5	190.8	190.5	189.9
175°	184.9	185.6	185.6	185.6	186.3	185.6	184.9
177.5°	182.8	182.8	183.1	182.8	183.1	182.5	182.0
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7

(END OF REPORT)