

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: P332455-930

Luminaire Tested: **S123RDIW-S1000D755U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332455-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIW-S1000D755U930-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5363.7 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

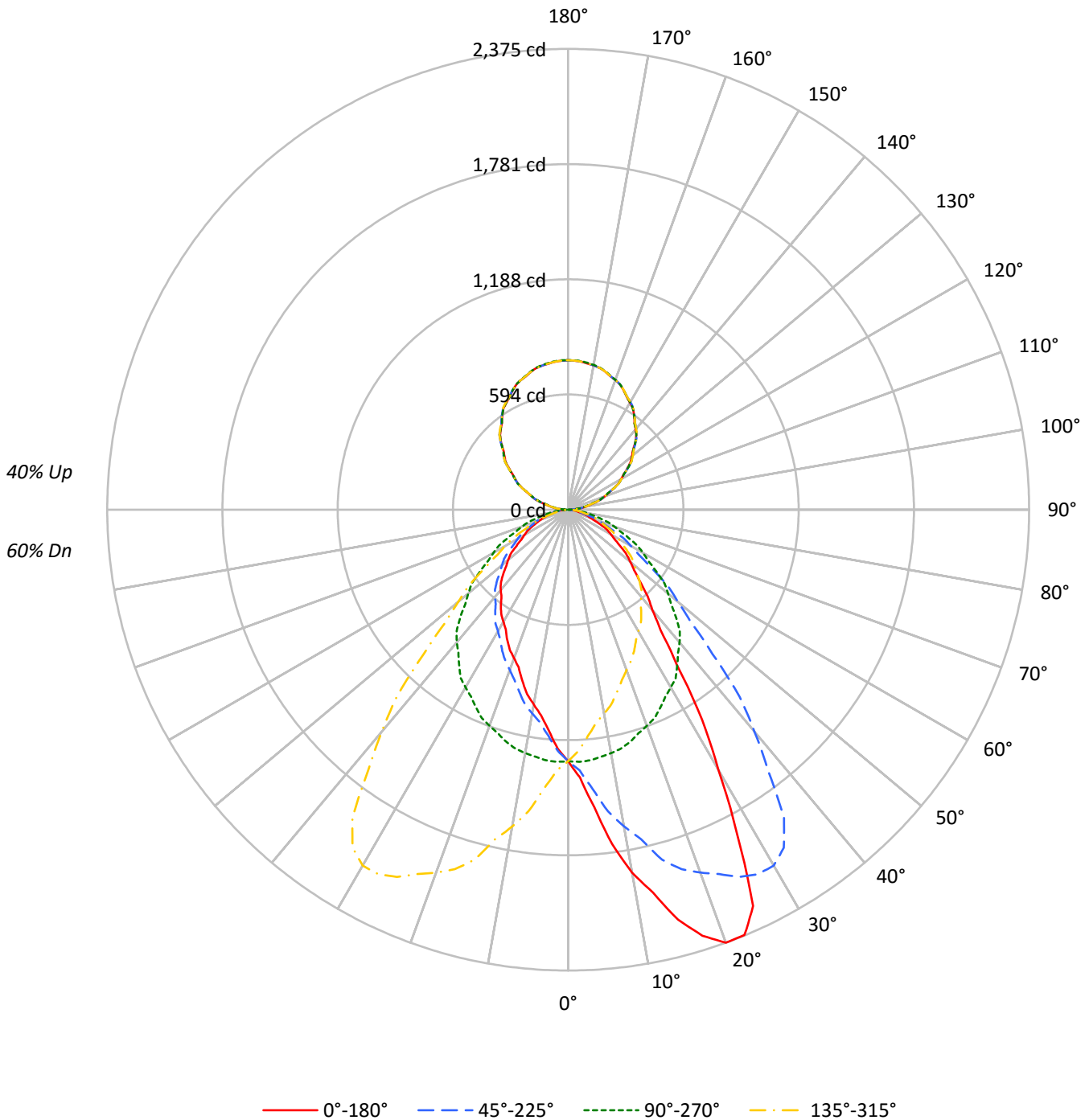
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	89	89	89	77	77	77	65	65	65	60
1	101	97	93	90	94	91	87	84	79	77	75	69	67	65	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	76	68	63	79	71	65	60	63	58	54	55	51	48	47	45	42	39
4	78	67	60	54	73	63	57	51	56	51	46	49	45	42	43	40	37	34
5	72	60	52	47	67	57	50	45	51	45	41	45	40	37	39	35	33	30
6	66	55	47	41	62	52	44	39	46	40	36	40	36	32	36	32	29	26
7	62	49	42	36	58	47	40	35	42	36	32	37	32	29	33	29	26	24
8	57	45	37	32	54	43	36	31	38	33	28	34	29	26	30	26	24	21
9	53	41	34	29	50	39	32	28	35	30	26	31	27	24	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°	13951	13951	13951	13951
5°	16630	14011	12337	14011
10°	20764	13930	11146	13930
15°	24373	13788	10165	13788
20°	27202	13575	9330	13575
25°	26766	13351	8817	13351
30°	19240	13144	8289	13144
35°	12846	12875	7947	12875
40°	9465	12552	7593	12552
45°	7939	11985	7247	11985
50°	7005	11241	6764	11241
55°	6142	10393	6101	10393
60°	5470	9580	5591	9580
65°	4806	8706	5201	8706
70°	3770	7928	4749	7928
75°	3323	6924	4338	6924
80°	2889	5883	4265	5883
85°	2322	4730	4520	4730



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	2.4
10°-20°	398.2	7.4
20°-30°	625.6	11.7
30°-40°	652.7	12.2
40°-50°	558.6	10.4
50°-60°	425.7	7.9
60°-70°	272.9	5.1
70°-80°	131.3	2.4
80°-90°	37.0	0.7
90°-100°	50.2	0.9
100°-110°	150.2	2.8
110°-120°	255.5	4.8
120°-130°	336.1	6.3
130°-140°	377.7	7.0
140°-150°	371.3	6.9
150°-160°	312.6	5.8
160°-170°	208.1	3.9
170°-180°	72.9	1.4
0°-30°	1151.2	21.5
0°-40°	1803.9	33.6
0°-60°	2788.2	52.0
0°-90°	3229.3	60.2
90°-120°	455.9	8.5
90°-150°	1540.9	28.7
90°-180°	2134.0	39.8
0°-180°	5363.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1296	1296	1296	1296	1296	
5°	1539	1297	1142	1297	1539	159
15°	2187	1237	912	1237	2187	620
25°	2254	1124	742	1124	2254	969
35°	978	980	605	980	978	641
45°	522	787	476	787	522	410
55°	327	554	325	554	327	296
65°	189	342	204	342	189	186
75°	80	166	104	166	80	86
85°	19	38	37	38	19	22
90°	18	1	18	1	18	9
95°	47	36	47	36	47	48
105°	144	136	144	136	144	153
115°	258	257	258	257	258	255
125°	372	376	372	376	372	333
135°	488	488	488	488	488	375
145°	592	592	592	592	592	370
155°	677	678	677	678	677	312
165°	736	739	736	739	736	208
175°	766	768	766	768	766	73
180°	770	770	770	770	770	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1380.5	1382.2	1376.5	1375.6	1368.9	1367.1	1367.1	1357.8	1352.0	1344.5	1340.0
5°	1539.1	1548.0	1543.5	1533.6	1516.9	1513.0	1502.5	1485.9	1467.0	1443.7	1432.6
7.5°	1737.3	1749.4	1744.7	1729.3	1711.9	1697.8	1668.1	1640.5	1601.7	1567.7	1538.7
10°	1899.7	1887.0	1877.0	1862.1	1845.9	1819.8	1788.8	1746.0	1696.7	1657.8	1614.6
12.5°	2021.4	2019.3	2006.6	1991.2	1968.5	1943.7	1905.5	1853.5	1796.1	1740.0	1690.4
15°	2187.2	2190.5	2182.1	2166.1	2133.9	2090.1	2032.4	2010.8	1928.6	1867.6	1806.5
17.5°	2301.9	2301.3	2300.1	2277.9	2245.0	2213.8	2160.3	2103.4	2029.0	1943.0	1860.8
20°	2374.7	2369.2	2370.2	2345.3	2320.9	2284.8	2232.7	2150.0	2089.0	1989.7	1904.8
22.5°	2372.9	2371.8	2376.0	2367.5	2349.8	2322.1	2281.0	2211.3	2133.3	2033.1	1937.6
25°	2253.7	2249.3	2275.4	2282.6	2310.9	2315.9	2303.7	2265.4	2191.6	2088.4	1970.3
27.5°	1886.2	1883.7	1932.2	1992.8	2069.6	2129.2	2187.0	2214.8	2191.6	2117.7	1999.3
30°	1548.0	1600.2	1624.6	1712.2	1809.9	1926.4	2028.5	2125.6	2149.5	2117.3	2020.1
32.5°	1285.2	1330.7	1351.1	1426.4	1517.4	1653.8	1807.0	1944.5	2041.6	2066.2	2007.8
35°	977.6	978.2	1024.7	1058.1	1142.4	1282.8	1431.5	1615.7	1798.8	1937.5	1951.9
37.5°	780.1	782.9	811.1	844.2	907.5	981.7	1112.6	1265.8	1477.3	1690.3	1815.1
40°	673.6	678.6	699.7	732.4	777.9	833.9	936.0	1080.3	1256.7	1493.6	1687.3
42.5°	605.2	613.3	624.2	649.4	677.6	730.0	812.6	924.1	1084.5	1308.6	1531.9
45°	521.5	525.9	534.3	545.9	571.4	608.1	663.6	738.5	871.6	1052.0	1275.5
47.5°	460.1	457.7	466.5	476.0	492.9	517.9	555.1	616.2	711.2	855.9	1045.5
50°	418.3	417.8	423.9	431.1	447.2	465.5	496.0	542.1	617.5	737.4	911.0
52.5°	379.3	381.4	385.7	394.7	406.3	421.1	448.5	481.7	546.5	650.0	794.8
55°	327.3	329.1	335.1	340.1	348.5	363.4	380.6	408.4	452.7	524.9	644.2
57.5°	283.4	282.7	288.5	289.8	299.1	311.4	324.7	346.3	378.4	432.0	512.3
60°	254.1	252.4	257.5	261.3	266.4	276.3	287.4	308.5	334.0	373.4	442.2
62.5°	227.5	226.7	230.4	234.2	238.4	247.4	256.8	273.0	293.2	326.4	381.0
65°	188.7	190.3	192.0	193.6	195.8	201.4	210.3	221.4	235.2	258.5	297.9
67.5°	148.2	149.9	150.5	153.9	158.7	162.2	167.5	177.4	187.1	206.8	229.2
70°	119.8	119.3	119.8	121.5	127.6	133.7	141.0	148.1	154.3	168.1	186.9
72.5°	103.0	102.0	103.5	103.8	106.7	108.4	113.0	119.8	127.6	137.1	150.6
75°	79.9	79.9	79.9	79.9	82.1	83.2	84.9	86.6	89.4	93.8	103.8
77.5°	59.0	59.1	59.9	60.5	60.9	61.6	62.6	64.2	65.2	67.6	71.9
80°	46.6	47.1	46.6	47.1	47.1	48.3	48.8	50.5	51.0	53.8	55.5
82.5°	35.1	34.7	35.1	35.6	35.6	36.8	36.9	38.1	38.2	39.6	41.3
85°	18.8	17.8	18.8	18.3	19.4	18.3	18.8	20.0	20.0	20.5	22.7
87.5°	8.1	8.9	8.0	8.3	8.3	8.6	8.6	8.5	9.2	8.6	8.8
90°	18.2	17.9	17.6	17.4	17.0	16.7	16.1	15.6	15.1	14.5	12.8
92.5°	24.5	24.6	24.8	24.9	25.1	24.9	24.5	24.1	23.6	23.2	22.3
95°	47.2	47.2	47.2	47.2	47.2	47.0	46.4	45.8	45.3	44.8	43.7
97.5°	72.6	72.6	72.7	72.8	72.8	72.6	71.9	71.3	70.7	70.1	69.3
100°	92.0	91.7	91.5	91.2	90.9	90.6	90.2	89.8	89.4	88.9	88.3
102.5°	111.9	111.9	111.9	112.0	112.0	111.9	111.5	111.0	110.6	110.2	109.3
105°	144.1	143.7	143.5	143.2	142.9	142.8	142.8	142.8	142.8	142.8	141.6
107.5°	177.6	177.7	177.9	178.1	178.2	178.1	177.7	177.2	176.8	176.3	175.9
110°	200.3	200.6	200.8	201.1	201.4	201.2	200.7	200.2	199.7	199.1	198.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	224.5	224.5	224.6	224.7	224.7	224.5	223.8	223.1	222.5	221.8	221.8
115°	257.8	258.0	258.0	258.2	258.4	258.4	258.2	258.0	258.0	257.8	258.0
117.5°	291.6	292.0	292.3	292.7	293.1	293.3	293.3	293.3	293.3	293.3	293.8
120°	315.3	315.5	315.8	316.1	316.3	316.6	316.7	316.8	317.0	317.1	317.8
122.5°	338.0	338.4	338.8	339.2	339.6	339.9	340.2	340.6	341.0	341.3	341.7
125°	372.2	372.7	373.2	373.8	374.3	374.9	375.4	375.9	376.5	377.0	377.2
127.5°	406.2	406.8	407.4	408.1	408.6	409.4	410.1	410.8	411.6	412.4	412.6
130°	428.4	429.4	430.3	431.3	432.2	432.9	433.5	434.1	434.6	435.1	435.5
132.5°	451.7	452.4	453.1	453.9	454.6	455.3	455.9	456.6	457.2	457.9	458.1
135°	487.7	488.0	488.3	488.5	488.9	489.3	489.8	490.3	490.8	491.4	491.5
137.5°	519.6	520.1	520.6	521.1	521.6	522.2	522.7	523.3	523.8	524.4	524.1
140°	540.4	541.4	542.3	543.2	544.1	544.7	544.9	544.9	545.1	545.3	545.1
142.5°	561.7	562.4	563.1	563.9	564.6	565.0	565.2	565.3	565.4	565.6	565.3
145°	592.5	593.0	593.5	594.0	594.6	594.9	595.1	595.2	595.3	595.5	595.1
147.5°	619.8	620.6	621.4	622.2	623.1	623.5	623.5	623.5	623.5	623.5	623.1
150°	637.2	638.1	638.9	639.6	640.4	640.8	640.8	640.8	640.8	640.8	640.6
152.5°	654.2	654.8	655.6	656.2	657.0	657.2	657.0	656.8	656.6	656.3	656.2
155°	677.2	678.1	679.1	680.0	680.9	681.1	680.6	680.0	679.6	679.0	678.8
157.5°	698.1	698.9	699.6	700.3	701.1	701.2	700.7	700.1	699.5	699.0	698.9
160°	711.7	712.2	712.7	713.3	713.8	713.7	713.1	712.4	711.8	711.0	711.0
162.5°	721.8	722.7	723.6	724.4	725.3	725.4	724.7	724.0	723.3	722.7	722.6
165°	736.5	737.4	738.3	739.3	740.2	740.3	739.5	738.7	737.8	737.0	737.0
167.5°	748.9	749.7	750.6	751.5	752.3	752.3	751.5	750.6	749.7	748.9	748.9
170°	755.2	756.2	757.1	758.1	759.0	759.0	758.1	757.1	756.2	755.2	755.2
172.5°	760.1	761.0	762.0	762.9	763.9	763.9	763.0	762.2	761.4	760.5	760.5
175°	765.5	766.5	767.4	768.3	769.3	769.3	768.5	767.8	767.0	766.1	766.1
177.5°	768.4	769.2	769.9	770.7	771.4	771.5	770.9	770.2	769.6	768.9	768.9
180°	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1338.2	1336.9	1330.7	1323.6	1314.3	1308.1	1303.2	1300.6	1292.6	1282.8	1276.1
5°	1420.9	1404.3	1386.6	1364.9	1344.9	1324.4	1311.7	1296.7	1278.3	1257.8	1243.4
7.5°	1509.5	1476.8	1441.7	1405.4	1369.5	1337.4	1309.0	1284.7	1255.5	1226.0	1205.4
10°	1577.4	1529.7	1480.3	1429.8	1383.7	1340.5	1307.2	1274.5	1239.5	1205.7	1180.1
12.5°	1639.1	1576.3	1519.4	1457.3	1398.4	1346.7	1298.8	1260.3	1218.2	1182.1	1153.1
15°	1717.2	1652.9	1584.0	1489.7	1411.5	1346.1	1287.8	1237.3	1186.3	1141.8	1113.5
17.5°	1790.2	1693.4	1600.9	1522.2	1420.6	1338.8	1267.7	1207.3	1151.3	1104.2	1069.4
20°	1820.4	1726.6	1626.2	1525.8	1426.0	1334.4	1251.7	1185.1	1126.9	1073.6	1041.5
22.5°	1838.6	1732.4	1626.7	1518.7	1412.6	1317.5	1235.7	1162.5	1099.3	1048.7	1009.0
25°	1859.8	1733.3	1616.8	1510.3	1402.1	1298.9	1201.8	1124.1	1055.9	1002.0	959.9
27.5°	1873.8	1725.0	1587.3	1468.8	1359.1	1256.4	1167.3	1085.0	1015.8	958.9	913.6
30°	1876.5	1718.3	1564.6	1436.5	1324.9	1230.6	1136.3	1057.5	984.3	923.8	881.7
32.5°	1880.0	1701.9	1534.0	1397.8	1283.7	1190.3	1104.8	1029.6	954.6	895.0	851.9
35°	1865.4	1692.8	1487.5	1331.1	1216.8	1126.3	1049.2	979.8	906.0	848.3	804.5
37.5°	1802.3	1656.8	1439.3	1255.8	1136.3	1052.6	989.7	929.3	861.5	799.3	758.0
40°	1738.9	1621.2	1402.1	1210.1	1085.2	999.2	942.6	893.3	827.9	769.6	725.2
42.5°	1644.3	1572.9	1366.6	1162.1	1027.5	944.7	896.9	850.7	793.2	734.0	692.4
45°	1470.9	1480.3	1293.9	1085.8	947.6	864.5	819.5	787.3	736.3	687.5	644.7
47.5°	1253.4	1341.6	1208.5	1004.4	863.4	785.3	746.0	718.0	683.5	635.6	596.6
50°	1111.3	1237.3	1140.2	949.9	810.7	733.0	694.1	671.3	641.4	603.6	566.5
52.5°	980.4	1115.7	1057.6	889.1	753.3	682.3	644.4	625.7	601.9	566.4	532.7
55°	799.5	936.5	923.2	797.3	667.5	603.6	574.8	553.8	537.6	511.0	484.4
57.5°	646.7	776.7	783.5	695.2	591.8	528.7	503.9	488.0	477.5	457.4	432.8
60°	550.4	669.7	693.0	626.4	537.6	482.2	457.7	445.0	436.7	420.5	401.7
62.5°	470.5	572.0	598.4	550.5	485.7	433.7	414.7	402.4	396.7	382.9	366.2
65°	360.1	444.4	469.9	443.3	409.4	367.9	352.3	341.8	336.8	329.1	316.8
67.5°	270.8	332.2	360.2	341.4	329.2	303.0	293.1	287.4	283.0	277.6	267.4
70°	217.5	263.0	291.9	286.8	276.9	263.0	255.8	251.9	247.4	243.0	234.2
72.5°	174.9	206.2	233.3	235.8	227.6	224.9	218.5	216.9	214.2	208.9	204.0
75°	115.9	137.6	156.5	163.7	167.0	169.7	167.0	166.5	165.9	161.4	158.7
77.5°	76.0	87.6	99.5	111.9	117.1	120.8	121.7	123.8	122.3	119.9	118.6
80°	58.3	61.1	69.4	79.9	88.2	91.6	93.8	94.9	94.3	93.8	91.6
82.5°	42.3	44.6	48.5	55.9	62.9	68.5	69.8	69.5	70.8	71.1	69.4
85°	22.7	23.3	24.4	25.5	29.4	35.5	37.2	38.3	39.4	39.4	36.0
87.5°	9.3	8.5	9.0	8.7	9.8	9.9	12.4	14.3	15.0	13.5	13.8
90°	11.0	9.3	7.5	6.0	4.6	3.3	2.0	0.6	2.0	3.3	4.6
92.5°	21.3	20.2	19.2	18.3	17.4	16.5	15.6	14.7	15.6	16.5	17.4
95°	42.6	41.6	40.4	39.5	38.6	37.6	36.6	35.7	36.6	37.6	38.6
97.5°	68.5	67.8	66.9	66.2	65.6	64.8	64.1	63.4	64.1	64.8	65.6
100°	87.6	86.9	86.3	85.5	84.7	83.9	83.1	82.3	83.1	83.9	84.7
102.5°	108.5	107.6	106.7	106.0	105.5	105.1	104.6	104.1	104.6	105.1	105.5
105°	140.4	139.2	137.9	137.2	137.0	136.7	136.4	136.2	136.4	136.7	137.0
107.5°	175.4	174.9	174.4	174.1	173.9	173.7	173.6	173.4	173.6	173.7	173.9
110°	198.5	198.3	198.0	197.7	197.5	197.2	197.0	196.7	197.0	197.2	197.5



TEST NUMBER: P332455-930

CATALOG NUMBER: S123RDIW-S1000D755U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	221.8	221.7	221.6	221.5	221.4	221.2	221.0	220.9	221.0	221.2	221.4
115°	258.4	258.6	258.9	258.8	258.4	258.0	257.6	257.2	257.6	258.0	258.4
117.5°	294.1	294.4	294.8	294.8	294.6	294.2	294.0	293.8	294.0	294.2	294.6
120°	318.5	319.1	319.8	319.8	318.9	318.1	317.3	316.5	317.3	318.1	318.9
122.5°	342.0	342.3	342.7	342.6	342.0	341.4	340.8	340.2	340.8	341.4	342.0
125°	377.6	377.8	378.1	378.1	377.6	377.2	376.8	376.4	376.8	377.2	377.6
127.5°	412.9	413.3	413.5	413.3	412.4	411.6	410.7	409.8	410.7	411.6	412.4
130°	435.9	436.3	436.8	436.3	435.3	434.2	433.2	432.1	433.2	434.2	435.3
132.5°	458.4	458.8	459.0	458.7	457.5	456.5	455.4	454.4	455.4	456.5	457.5
135°	491.6	491.8	492.0	491.5	490.8	490.0	489.2	488.4	489.2	490.0	490.8
137.5°	523.7	523.3	523.0	522.5	521.9	521.1	520.5	519.8	520.5	521.1	521.9
140°	544.9	544.9	544.7	544.3	543.6	543.0	542.3	541.6	542.3	543.0	543.6
142.5°	565.1	564.8	564.6	564.1	563.5	562.8	562.1	561.5	562.1	562.8	563.5
145°	594.7	594.3	593.9	593.5	593.2	593.0	592.7	592.5	592.7	593.0	593.2
147.5°	622.6	622.3	621.9	621.5	621.0	620.5	620.0	619.5	620.0	620.5	621.0
150°	640.3	640.0	639.8	639.5	639.3	639.0	638.7	638.5	638.7	639.0	639.3
152.5°	656.0	655.8	655.7	655.4	655.1	654.7	654.3	654.0	654.3	654.7	655.1
155°	678.7	678.6	678.4	678.4	678.4	678.4	678.4	678.4	678.4	678.4	678.4
157.5°	698.7	698.6	698.5	698.5	698.7	698.9	699.0	699.2	699.0	698.9	698.7
160°	711.0	711.0	711.0	711.2	711.4	711.8	712.0	712.2	712.0	711.8	711.4
162.5°	722.4	722.4	722.3	722.4	722.8	723.1	723.5	723.9	723.5	723.1	722.8
165°	737.0	737.0	737.0	737.3	737.7	738.1	738.5	738.9	738.5	738.1	737.7
167.5°	748.7	748.6	748.5	748.7	749.3	749.8	750.3	750.9	750.3	749.8	749.3
170°	755.2	755.2	755.2	755.5	756.0	756.6	757.1	757.7	757.1	756.6	756.0
172.5°	760.5	760.5	760.5	760.8	761.3	761.9	762.5	763.0	762.5	761.9	761.3
175°	766.1	766.1	766.1	766.4	767.0	767.4	768.0	768.5	768.0	767.4	767.0
177.5°	768.9	768.9	768.9	769.2	769.6	770.0	770.4	770.9	770.4	770.0	769.6
180°	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4



TEST NUMBER: P332455-930

CATALOG NUMBER: S123RDIW-S1000D755U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1273.9	1268.1	1264.1	1255.2	1249.5	1243.2	1237.1	1241.0	1240.6	1240.2	1240.2
5°	1231.2	1218.4	1206.8	1191.8	1182.3	1170.7	1161.8	1160.7	1162.9	1155.2	1150.7
7.5°	1188.8	1171.3	1154.9	1138.3	1120.8	1106.8	1098.0	1093.9	1088.3	1083.5	1078.5
10°	1159.0	1138.6	1122.4	1101.9	1083.0	1066.4	1055.9	1048.6	1044.7	1040.9	1033.6
12.5°	1128.5	1108.3	1087.9	1064.6	1046.7	1027.4	1019.5	1011.4	1004.0	999.6	989.7
15°	1083.6	1057.5	1035.9	1011.5	991.5	972.7	961.6	945.4	943.2	937.7	927.7
17.5°	1038.7	1010.3	980.5	962.5	939.9	920.2	903.4	898.0	882.1	876.1	867.4
20°	1003.1	977.1	954.3	930.5	897.7	879.4	866.1	858.9	846.1	838.4	832.8
22.5°	972.5	946.0	919.7	891.9	864.9	844.3	834.6	823.4	816.4	805.5	799.5
25°	928.8	899.9	868.3	838.4	819.0	803.4	787.9	777.9	767.9	762.9	751.8
27.5°	878.0	847.8	818.2	795.5	771.7	756.4	742.2	733.4	721.4	713.0	706.9
30°	850.0	814.5	789.0	768.4	737.9	723.5	713.0	701.9	693.0	684.1	678.0
32.5°	817.6	785.2	761.0	735.6	712.2	696.4	682.8	673.0	665.4	657.0	650.9
35°	766.8	739.6	714.6	689.1	671.9	655.8	639.8	631.4	624.2	616.4	610.9
37.5°	720.8	695.5	671.7	647.5	626.1	613.1	600.1	593.8	584.0	578.8	573.2
40°	692.4	667.5	642.0	618.6	596.5	586.4	574.8	565.4	556.5	552.6	546.5
42.5°	661.4	636.4	614.9	589.8	571.6	558.1	547.3	537.0	530.4	524.6	521.2
45°	615.3	593.1	572.0	547.1	529.9	518.2	506.0	496.6	490.5	486.6	480.5
47.5°	570.6	548.4	527.0	505.2	488.6	475.2	463.1	456.5	448.4	443.7	439.5
50°	538.2	518.2	495.5	475.5	458.9	445.6	435.5	427.2	420.0	413.9	411.2
52.5°	508.4	487.1	467.5	448.9	431.3	416.2	407.2	398.4	393.0	386.0	382.7
55°	459.4	438.9	422.2	403.9	386.7	374.0	362.9	355.1	349.5	341.8	337.4
57.5°	413.4	394.9	375.0	359.2	341.4	330.7	321.5	311.0	304.2	298.1	293.8
60°	382.3	361.2	344.0	329.1	313.5	299.6	291.3	283.0	275.7	269.6	265.8
62.5°	349.8	331.5	315.1	298.8	284.6	272.6	262.9	255.9	249.6	245.6	241.8
65°	300.2	285.8	269.1	255.8	242.5	233.6	225.8	219.7	215.2	212.5	209.2
67.5°	254.5	240.4	225.9	212.9	204.0	197.2	192.1	186.9	184.7	181.1	178.9
70°	224.7	210.3	197.5	187.5	178.6	173.7	170.3	166.5	164.2	159.8	157.6
72.5°	192.3	181.9	172.7	164.4	157.4	152.8	148.5	143.8	140.2	135.3	133.1
75°	151.5	142.0	134.9	129.3	124.8	118.7	112.6	107.6	106.0	104.3	103.8
77.5°	112.2	106.2	101.0	96.3	90.7	86.3	85.0	83.9	83.6	82.7	82.7
80°	88.2	82.7	78.8	73.2	69.9	69.9	69.9	68.8	69.4	69.4	69.4
82.5°	65.6	60.5	58.4	56.3	55.7	56.2	56.2	56.3	56.0	56.9	56.5
85°	33.8	34.4	35.5	35.0	35.5	35.5	36.6	36.0	36.6	35.5	36.6
87.5°	13.6	15.2	16.1	16.9	17.6	17.5	18.1	18.2	18.8	18.8	18.9
90°	6.0	7.5	9.3	11.0	12.8	14.5	15.1	15.6	16.1	16.7	17.0
92.5°	18.3	19.2	20.2	21.3	22.3	23.2	23.6	24.1	24.5	24.9	25.1
95°	39.5	40.4	41.6	42.6	43.7	44.8	45.3	45.8	46.4	47.0	47.2
97.5°	66.2	66.9	67.8	68.5	69.3	70.1	70.7	71.3	71.9	72.6	72.8
100°	85.5	86.3	86.9	87.6	88.3	88.9	89.4	89.8	90.2	90.6	90.9
102.5°	106.0	106.7	107.6	108.5	109.3	110.2	110.6	111.0	111.5	111.9	112.0
105°	137.2	137.9	139.2	140.4	141.6	142.8	142.8	142.8	142.8	142.8	142.9
107.5°	174.1	174.4	174.9	175.4	175.9	176.3	176.8	177.2	177.7	178.1	178.2
110°	197.7	198.0	198.3	198.5	198.9	199.1	199.7	200.2	200.7	201.2	201.4



TEST NUMBER: P332455-930

CATALOG NUMBER: S123RDIW-S1000D755U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	221.5	221.6	221.7	221.8	221.8	221.8	222.5	223.1	223.8	224.5	224.7
115°	258.8	258.9	258.6	258.4	258.0	257.8	258.0	258.0	258.2	258.4	258.4
117.5°	294.8	294.8	294.4	294.1	293.8	293.3	293.3	293.3	293.3	293.3	293.1
120°	319.8	319.8	319.1	318.5	317.8	317.1	317.0	316.8	316.7	316.6	316.3
122.5°	342.6	342.7	342.3	342.0	341.7	341.3	341.0	340.6	340.2	339.9	339.6
125°	378.1	378.1	377.8	377.6	377.2	377.0	376.5	375.9	375.4	374.9	374.3
127.5°	413.3	413.5	413.3	412.9	412.6	412.4	411.6	410.8	410.1	409.4	408.6
130°	436.3	436.8	436.3	435.9	435.5	435.1	434.6	434.1	433.5	432.9	432.2
132.5°	458.7	459.0	458.8	458.4	458.1	457.9	457.2	456.6	455.9	455.3	454.6
135°	491.5	492.0	491.8	491.6	491.5	491.4	490.8	490.3	489.8	489.3	488.9
137.5°	522.5	523.0	523.3	523.7	524.1	524.4	523.8	523.3	522.7	522.2	521.6
140°	544.3	544.7	544.9	544.9	545.1	545.3	545.1	544.9	544.9	544.7	544.1
142.5°	564.1	564.6	564.8	565.1	565.3	565.6	565.4	565.3	565.2	565.0	564.6
145°	593.5	593.9	594.3	594.7	595.1	595.5	595.3	595.2	595.1	594.9	594.6
147.5°	621.5	621.9	622.3	622.6	623.1	623.5	623.5	623.5	623.5	623.5	623.1
150°	639.5	639.8	640.0	640.3	640.6	640.8	640.8	640.8	640.8	640.8	640.4
152.5°	655.4	655.7	655.8	656.0	656.2	656.3	656.6	656.8	657.0	657.2	657.0
155°	678.4	678.4	678.6	678.7	678.8	679.0	679.6	680.0	680.6	681.1	680.9
157.5°	698.5	698.5	698.6	698.7	698.9	699.0	699.5	700.1	700.7	701.2	701.1
160°	711.2	711.0	711.0	711.0	711.0	711.0	711.8	712.4	713.1	713.7	713.8
162.5°	722.4	722.3	722.4	722.4	722.6	722.7	723.3	724.0	724.7	725.4	725.3
165°	737.3	737.0	737.0	737.0	737.0	737.0	737.8	738.7	739.5	740.3	740.2
167.5°	748.7	748.5	748.6	748.7	748.9	748.9	749.7	750.6	751.5	752.3	752.3
170°	755.5	755.2	755.2	755.2	755.2	755.2	756.2	757.1	758.1	759.0	759.0
172.5°	760.8	760.5	760.5	760.5	760.5	760.5	761.4	762.2	763.0	763.9	763.9
175°	766.4	766.1	766.1	766.1	766.1	766.1	767.0	767.8	768.5	769.3	769.3
177.5°	769.2	768.9	768.9	768.9	768.9	768.9	769.6	770.2	770.9	771.5	771.4
180°	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4



TEST NUMBER: P332455-930

CATALOG NUMBER: S123RDIW-S1000D755U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1234.9	1234.4	1234.9	1233.1	1234.9	1234.4	1234.9	1240.2	1240.2	1240.6	1241.0
5°	1149.1	1148.5	1146.9	1141.8	1146.9	1148.5	1149.1	1150.7	1155.2	1162.9	1160.7
7.5°	1074.2	1073.4	1068.5	1068.6	1068.5	1073.4	1074.2	1078.5	1083.5	1088.3	1093.9
10°	1029.8	1030.3	1023.7	1019.8	1023.7	1030.3	1029.8	1033.6	1040.9	1044.7	1048.6
12.5°	986.8	984.1	978.8	974.5	978.8	984.1	986.8	989.7	999.6	1004.0	1011.4
15°	929.9	924.4	911.0	912.2	911.0	924.4	929.9	927.7	937.7	943.2	945.4
17.5°	863.0	858.9	858.7	850.9	858.7	858.9	863.0	867.4	876.1	882.1	898.0
20°	823.9	821.2	822.2	814.5	822.2	821.2	823.9	832.8	838.4	846.1	858.9
22.5°	793.3	790.5	785.9	783.4	785.9	790.5	793.3	799.5	805.5	816.4	823.4
25°	748.4	744.0	739.6	742.4	739.6	744.0	748.4	751.8	762.9	767.9	777.9
27.5°	703.7	700.3	695.9	695.3	695.9	700.3	703.7	706.9	713.0	721.4	733.4
30°	675.2	671.9	669.7	666.9	669.7	671.9	675.2	678.0	684.1	693.0	701.9
32.5°	646.4	645.7	641.7	641.2	641.7	645.7	646.4	650.9	657.0	665.4	673.0
35°	608.6	605.4	604.2	604.8	604.2	605.4	608.6	610.9	616.4	624.2	631.4
37.5°	572.8	568.3	566.4	564.4	566.4	568.3	572.8	573.2	578.8	584.0	593.8
40°	547.1	542.7	541.5	540.4	541.5	542.7	547.1	546.5	552.6	556.5	565.4
42.5°	518.2	516.4	515.8	513.8	515.8	516.4	518.2	521.2	524.6	530.4	537.0
45°	478.8	478.3	474.9	476.1	474.9	478.3	478.8	480.5	486.6	490.5	496.6
47.5°	437.3	434.9	432.5	434.1	432.5	434.9	437.3	439.5	443.7	448.4	456.5
50°	409.0	407.8	402.8	403.9	402.8	407.8	409.0	411.2	413.9	420.0	427.2
52.5°	380.5	376.3	374.4	373.7	374.4	376.3	380.5	382.7	386.0	393.0	398.4
55°	333.5	328.5	326.3	325.1	326.3	328.5	333.5	337.4	341.8	349.5	355.1
57.5°	287.3	285.9	284.2	285.4	284.2	285.9	287.3	293.8	298.1	304.2	311.0
60°	260.2	260.2	260.2	259.7	260.2	260.2	260.2	265.8	269.6	275.7	283.0
62.5°	239.4	238.0	237.6	238.4	237.6	238.0	239.4	241.8	245.6	249.6	255.9
65°	207.5	206.9	204.7	204.2	204.7	206.9	207.5	209.2	212.5	215.2	219.7
67.5°	177.4	175.5	174.8	174.0	174.8	175.5	177.4	178.9	181.1	184.7	186.9
70°	154.8	153.7	150.3	150.9	150.3	153.7	154.8	157.6	159.8	164.2	166.5
72.5°	130.4	129.3	128.6	127.8	128.6	129.3	130.4	133.1	135.3	140.2	143.8
75°	103.2	102.6	102.1	104.3	102.1	102.6	103.2	103.8	104.3	106.0	107.6
77.5°	82.7	82.7	83.0	82.1	83.0	82.7	82.7	82.7	82.7	83.6	83.9
80°	69.4	69.4	68.8	68.8	68.8	69.4	69.4	69.4	69.4	69.4	68.8
82.5°	55.6	56.0	56.3	55.5	56.3	56.0	55.6	56.5	56.9	56.0	56.3
85°	36.6	36.0	37.2	36.6	37.2	36.0	36.6	36.6	35.5	36.6	36.0
87.5°	19.9	19.1	19.1	19.6	19.1	19.1	19.9	18.9	18.8	18.8	18.2
90°	17.4	17.6	17.9	18.2	17.9	17.6	17.4	17.0	16.7	16.1	15.6
92.5°	24.9	24.8	24.6	24.5	24.6	24.8	24.9	25.1	24.9	24.5	24.1
95°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.0	46.4	45.8
97.5°	72.8	72.7	72.6	72.6	72.6	72.7	72.8	72.8	72.6	71.9	71.3
100°	91.2	91.5	91.7	92.0	91.7	91.5	91.2	90.9	90.6	90.2	89.8
102.5°	112.0	111.9	111.9	111.9	111.9	111.9	112.0	112.0	111.9	111.5	111.0
105°	143.2	143.5	143.7	144.1	143.7	143.5	143.2	142.9	142.8	142.8	142.8
107.5°	178.1	177.9	177.7	177.6	177.7	177.9	178.1	178.2	178.1	177.7	177.2
110°	201.1	200.8	200.6	200.3	200.6	200.8	201.1	201.4	201.2	200.7	200.2



TEST NUMBER: P332455-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	224.7	224.6	224.5	224.5	224.5	224.6	224.7	224.7	224.5	223.8	223.1
115°	258.2	258.0	258.0	257.8	258.0	258.0	258.2	258.4	258.4	258.2	258.0
117.5°	292.7	292.3	292.0	291.6	292.0	292.3	292.7	293.1	293.3	293.3	293.3
120°	316.1	315.8	315.5	315.3	315.5	315.8	316.1	316.3	316.6	316.7	316.8
122.5°	339.2	338.8	338.4	338.0	338.4	338.8	339.2	339.6	339.9	340.2	340.6
125°	373.8	373.2	372.7	372.2	372.7	373.2	373.8	374.3	374.9	375.4	375.9
127.5°	408.1	407.4	406.8	406.2	406.8	407.4	408.1	408.6	409.4	410.1	410.8
130°	431.3	430.3	429.4	428.4	429.4	430.3	431.3	432.2	432.9	433.5	434.1
132.5°	453.9	453.1	452.4	451.7	452.4	453.1	453.9	454.6	455.3	455.9	456.6
135°	488.5	488.3	488.0	487.7	488.0	488.3	488.5	488.9	489.3	489.8	490.3
137.5°	521.1	520.6	520.1	519.6	520.1	520.6	521.1	521.6	522.2	522.7	523.3
140°	543.2	542.3	541.4	540.4	541.4	542.3	543.2	544.1	544.7	544.9	544.9
142.5°	563.9	563.1	562.4	561.7	562.4	563.1	563.9	564.6	565.0	565.2	565.3
145°	594.0	593.5	593.0	592.5	593.0	593.5	594.0	594.6	594.9	595.1	595.2
147.5°	622.2	621.4	620.6	619.8	620.6	621.4	622.2	623.1	623.5	623.5	623.5
150°	639.6	638.9	638.1	637.2	638.1	638.9	639.6	640.4	640.8	640.8	640.8
152.5°	656.2	655.6	654.8	654.2	654.8	655.6	656.2	657.0	657.2	657.0	656.8
155°	680.0	679.1	678.1	677.2	678.1	679.1	680.0	680.9	681.1	680.6	680.0
157.5°	700.3	699.6	698.9	698.1	698.9	699.6	700.3	701.1	701.2	700.7	700.1
160°	713.3	712.7	712.2	711.7	712.2	712.7	713.3	713.8	713.7	713.1	712.4
162.5°	724.4	723.6	722.7	721.8	722.7	723.6	724.4	725.3	725.4	724.7	724.0
165°	739.3	738.3	737.4	736.5	737.4	738.3	739.3	740.2	740.3	739.5	738.7
167.5°	751.5	750.6	749.7	748.9	749.7	750.6	751.5	752.3	752.3	751.5	750.6
170°	758.1	757.1	756.2	755.2	756.2	757.1	758.1	759.0	759.0	758.1	757.1
172.5°	762.9	762.0	761.0	760.1	761.0	762.0	762.9	763.9	763.9	763.0	762.2
175°	768.3	767.4	766.5	765.5	766.5	767.4	768.3	769.3	769.3	768.5	767.8
177.5°	770.7	769.9	769.2	768.4	769.2	769.9	770.7	771.4	771.5	770.9	770.2
180°	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4



TEST NUMBER: P332455-930

CATALOG NUMBER: S123RDIW-S1000D755U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1237.1	1243.2	1249.5	1255.2	1264.1	1268.1	1273.9	1276.1	1282.8	1292.6	1300.6
5°	1161.8	1170.7	1182.3	1191.8	1206.8	1218.4	1231.2	1243.4	1257.8	1278.3	1296.7
7.5°	1098.0	1106.8	1120.8	1138.3	1154.9	1171.3	1188.8	1205.4	1226.0	1255.5	1284.7
10°	1055.9	1066.4	1083.0	1101.9	1122.4	1138.6	1159.0	1180.1	1205.7	1239.5	1274.5
12.5°	1019.5	1027.4	1046.7	1064.6	1087.9	1108.3	1128.5	1153.1	1182.1	1218.2	1260.3
15°	961.6	972.7	991.5	1011.5	1035.9	1057.5	1083.6	1113.5	1141.8	1186.3	1237.3
17.5°	903.4	920.2	939.9	962.5	980.5	1010.3	1038.7	1069.4	1104.2	1151.3	1207.3
20°	866.1	879.4	897.7	930.5	954.3	977.1	1003.1	1041.5	1073.6	1126.9	1185.1
22.5°	834.6	844.3	864.9	891.9	919.7	946.0	972.5	1009.0	1048.7	1099.3	1162.5
25°	787.9	803.4	819.0	838.4	868.3	899.9	928.8	959.9	1002.0	1055.9	1124.1
27.5°	742.2	756.4	771.7	795.5	818.2	847.8	878.0	913.6	958.9	1015.8	1085.0
30°	713.0	723.5	737.9	768.4	789.0	814.5	850.0	881.7	923.8	984.3	1057.5
32.5°	682.8	696.4	712.2	735.6	761.0	785.2	817.6	851.9	895.0	954.6	1029.6
35°	639.8	655.8	671.9	689.1	714.6	739.6	766.8	804.5	848.3	906.0	979.8
37.5°	600.1	613.1	626.1	647.5	671.7	695.5	720.8	758.0	799.3	861.5	929.3
40°	574.8	586.4	596.5	618.6	642.0	667.5	692.4	725.2	769.6	827.9	893.3
42.5°	547.3	558.1	571.6	589.8	614.9	636.4	661.4	692.4	734.0	793.2	850.7
45°	506.0	518.2	529.9	547.1	572.0	593.1	615.3	644.7	687.5	736.3	787.3
47.5°	463.1	475.2	488.6	505.2	527.0	548.4	570.6	596.6	635.6	683.5	718.0
50°	435.5	445.6	458.9	475.5	495.5	518.2	538.2	566.5	603.6	641.4	671.3
52.5°	407.2	416.2	431.3	448.9	467.5	487.1	508.4	532.7	566.4	601.9	625.7
55°	362.9	374.0	386.7	403.9	422.2	438.9	459.4	484.4	511.0	537.6	553.8
57.5°	321.5	330.7	341.4	359.2	375.0	394.9	413.4	432.8	457.4	477.5	488.0
60°	291.3	299.6	313.5	329.1	344.0	361.2	382.3	401.7	420.5	436.7	445.0
62.5°	262.9	272.6	284.6	298.8	315.1	331.5	349.8	366.2	382.9	396.7	402.4
65°	225.8	233.6	242.5	255.8	269.1	285.8	300.2	316.8	329.1	336.8	341.8
67.5°	192.1	197.2	204.0	212.9	225.9	240.4	254.5	267.4	277.6	283.0	287.4
70°	170.3	173.7	178.6	187.5	197.5	210.3	224.7	234.2	243.0	247.4	251.9
72.5°	148.5	152.8	157.4	164.4	172.7	181.9	192.3	204.0	208.9	214.2	216.9
75°	112.6	118.7	124.8	129.3	134.9	142.0	151.5	158.7	161.4	165.9	166.5
77.5°	85.0	86.3	90.7	96.3	101.0	106.2	112.2	118.6	119.9	122.3	123.8
80°	69.9	69.9	69.9	73.2	78.8	82.7	88.2	91.6	93.8	94.3	94.9
82.5°	56.2	56.2	55.7	56.3	58.4	60.5	65.6	69.4	71.1	70.8	69.5
85°	36.6	35.5	35.5	35.0	35.5	34.4	33.8	36.0	39.4	39.4	38.3
87.5°	18.1	17.5	17.6	16.9	16.1	15.2	13.6	13.8	13.5	15.0	14.3
90°	15.1	14.5	12.8	11.0	9.3	7.5	6.0	4.6	3.3	2.0	0.6
92.5°	23.6	23.2	22.3	21.3	20.2	19.2	18.3	17.4	16.5	15.6	14.7
95°	45.3	44.8	43.7	42.6	41.6	40.4	39.5	38.6	37.6	36.6	35.7
97.5°	70.7	70.1	69.3	68.5	67.8	66.9	66.2	65.6	64.8	64.1	63.4
100°	89.4	88.9	88.3	87.6	86.9	86.3	85.5	84.7	83.9	83.1	82.3
102.5°	110.6	110.2	109.3	108.5	107.6	106.7	106.0	105.5	105.1	104.6	104.1
105°	142.8	142.8	141.6	140.4	139.2	137.9	137.2	137.0	136.7	136.4	136.2
107.5°	176.8	176.3	175.9	175.4	174.9	174.4	174.1	173.9	173.7	173.6	173.4
110°	199.7	199.1	198.9	198.5	198.3	198.0	197.7	197.5	197.2	197.0	196.7



TEST NUMBER: P332455-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	222.5	221.8	221.8	221.8	221.7	221.6	221.5	221.4	221.2	221.0	220.9
115°	258.0	257.8	258.0	258.4	258.6	258.9	258.8	258.4	258.0	257.6	257.2
117.5°	293.3	293.3	293.8	294.1	294.4	294.8	294.8	294.6	294.2	294.0	293.8
120°	317.0	317.1	317.8	318.5	319.1	319.8	319.8	318.9	318.1	317.3	316.5
122.5°	341.0	341.3	341.7	342.0	342.3	342.7	342.6	342.0	341.4	340.8	340.2
125°	376.5	377.0	377.2	377.6	377.8	378.1	378.1	377.6	377.2	376.8	376.4
127.5°	411.6	412.4	412.6	412.9	413.3	413.5	413.3	412.4	411.6	410.7	409.8
130°	434.6	435.1	435.5	435.9	436.3	436.8	436.3	435.3	434.2	433.2	432.1
132.5°	457.2	457.9	458.1	458.4	458.8	459.0	458.7	457.5	456.5	455.4	454.4
135°	490.8	491.4	491.5	491.6	491.8	492.0	491.5	490.8	490.0	489.2	488.4
137.5°	523.8	524.4	524.1	523.7	523.3	523.0	522.5	521.9	521.1	520.5	519.8
140°	545.1	545.3	545.1	544.9	544.9	544.7	544.3	543.6	543.0	542.3	541.6
142.5°	565.4	565.6	565.3	565.1	564.8	564.6	564.1	563.5	562.8	562.1	561.5
145°	595.3	595.5	595.1	594.7	594.3	593.9	593.5	593.2	593.0	592.7	592.5
147.5°	623.5	623.5	623.1	622.6	622.3	621.9	621.5	621.0	620.5	620.0	619.5
150°	640.8	640.8	640.6	640.3	640.0	639.8	639.5	639.3	639.0	638.7	638.5
152.5°	656.6	656.3	656.2	656.0	655.8	655.7	655.4	655.1	654.7	654.3	654.0
155°	679.6	679.0	678.8	678.7	678.6	678.4	678.4	678.4	678.4	678.4	678.4
157.5°	699.5	699.0	698.9	698.7	698.6	698.5	698.5	698.7	698.9	699.0	699.2
160°	711.8	711.0	711.0	711.0	711.0	711.0	711.2	711.4	711.8	712.0	712.2
162.5°	723.3	722.7	722.6	722.4	722.4	722.3	722.4	722.8	723.1	723.5	723.9
165°	737.8	737.0	737.0	737.0	737.0	737.0	737.3	737.7	738.1	738.5	738.9
167.5°	749.7	748.9	748.9	748.7	748.6	748.5	748.7	749.3	749.8	750.3	750.9
170°	756.2	755.2	755.2	755.2	755.2	755.2	755.5	756.0	756.6	757.1	757.7
172.5°	761.4	760.5	760.5	760.5	760.5	760.5	760.8	761.3	761.9	762.5	763.0
175°	767.0	766.1	766.1	766.1	766.1	766.1	766.4	767.0	767.4	768.0	768.5
177.5°	769.6	768.9	768.9	768.9	768.9	768.9	769.2	769.6	770.0	770.4	770.9
180°	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4



TEST NUMBER: P332455-930

CATALOG NUMBER: S123RDIW-S1000D755U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1303.2	1308.1	1314.3	1323.6	1330.7	1336.9	1338.2	1340.0	1344.5	1352.0	1357.8
5°	1311.7	1324.4	1344.9	1364.9	1386.6	1404.3	1420.9	1432.6	1443.7	1467.0	1485.9
7.5°	1309.0	1337.4	1369.5	1405.4	1441.7	1476.8	1509.5	1538.7	1567.7	1601.7	1640.5
10°	1307.2	1340.5	1383.7	1429.8	1480.3	1529.7	1577.4	1614.6	1657.8	1696.7	1746.0
12.5°	1298.8	1346.7	1398.4	1457.3	1519.4	1576.3	1639.1	1690.4	1740.0	1796.1	1853.5
15°	1287.8	1346.1	1411.5	1489.7	1584.0	1652.9	1717.2	1806.5	1867.6	1928.6	2010.8
17.5°	1267.7	1338.8	1420.6	1522.2	1600.9	1693.4	1790.2	1860.8	1943.0	2029.0	2103.4
20°	1251.7	1334.4	1426.0	1525.8	1626.2	1726.6	1820.4	1904.8	1989.7	2089.0	2150.0
22.5°	1235.7	1317.5	1412.6	1518.7	1626.7	1732.4	1838.6	1937.6	2033.1	2133.3	2211.3
25°	1201.8	1298.9	1402.1	1510.3	1616.8	1733.3	1859.8	1970.3	2088.4	2191.6	2265.4
27.5°	1167.3	1256.4	1359.1	1468.8	1587.3	1725.0	1873.8	1999.3	2117.7	2191.6	2214.8
30°	1136.3	1230.6	1324.9	1436.5	1564.6	1718.3	1876.5	2020.1	2117.3	2149.5	2125.6
32.5°	1104.8	1190.3	1283.7	1397.8	1534.0	1701.9	1880.0	2007.8	2066.2	2041.6	1944.5
35°	1049.2	1126.3	1216.8	1331.1	1487.5	1692.8	1865.4	1951.9	1937.5	1798.8	1615.7
37.5°	989.7	1052.6	1136.3	1255.8	1439.3	1656.8	1802.3	1815.1	1690.3	1477.3	1265.8
40°	942.6	999.2	1085.2	1210.1	1402.1	1621.2	1738.9	1687.3	1493.6	1256.7	1080.3
42.5°	896.9	944.7	1027.5	1162.1	1366.6	1572.9	1644.3	1531.9	1308.6	1084.5	924.1
45°	819.5	864.5	947.6	1085.8	1293.9	1480.3	1470.9	1275.5	1052.0	871.6	738.5
47.5°	746.0	785.3	863.4	1004.4	1208.5	1341.6	1253.4	1045.5	855.9	711.2	616.2
50°	694.1	733.0	810.7	949.9	1140.2	1237.3	1111.3	911.0	737.4	617.5	542.1
52.5°	644.4	682.3	753.3	889.1	1057.6	1115.7	980.4	794.8	650.0	546.5	481.7
55°	574.8	603.6	667.5	797.3	923.2	936.5	799.5	644.2	524.9	452.7	408.4
57.5°	503.9	528.7	591.8	695.2	783.5	776.7	646.7	512.3	432.0	378.4	346.3
60°	457.7	482.2	537.6	626.4	693.0	669.7	550.4	442.2	373.4	334.0	308.5
62.5°	414.7	433.7	485.7	550.5	598.4	572.0	470.5	381.0	326.4	293.2	273.0
65°	352.3	367.9	409.4	443.3	469.9	444.4	360.1	297.9	258.5	235.2	221.4
67.5°	293.1	303.0	329.2	341.4	360.2	332.2	270.8	229.2	206.8	187.1	177.4
70°	255.8	263.0	276.9	286.8	291.9	263.0	217.5	186.9	168.1	154.3	148.1
72.5°	218.5	224.9	227.6	235.8	233.3	206.2	174.9	150.6	137.1	127.6	119.8
75°	167.0	169.7	167.0	163.7	156.5	137.6	115.9	103.8	93.8	89.4	86.6
77.5°	121.7	120.8	117.1	111.9	99.5	87.6	76.0	71.9	67.6	65.2	64.2
80°	93.8	91.6	88.2	79.9	69.4	61.1	58.3	55.5	53.8	51.0	50.5
82.5°	69.8	68.5	62.9	55.9	48.5	44.6	42.3	41.3	39.6	38.2	38.1
85°	37.2	35.5	29.4	25.5	24.4	23.3	22.7	22.7	20.5	20.0	20.0
87.5°	12.4	9.9	9.8	8.7	9.0	8.5	9.3	8.8	8.6	9.2	8.5
90°	2.0	3.3	4.6	6.0	7.5	9.3	11.0	12.8	14.5	15.1	15.6
92.5°	15.6	16.5	17.4	18.3	19.2	20.2	21.3	22.3	23.2	23.6	24.1
95°	36.6	37.6	38.6	39.5	40.4	41.6	42.6	43.7	44.8	45.3	45.8
97.5°	64.1	64.8	65.6	66.2	66.9	67.8	68.5	69.3	70.1	70.7	71.3
100°	83.1	83.9	84.7	85.5	86.3	86.9	87.6	88.3	88.9	89.4	89.8
102.5°	104.6	105.1	105.5	106.0	106.7	107.6	108.5	109.3	110.2	110.6	111.0
105°	136.4	136.7	137.0	137.2	137.9	139.2	140.4	141.6	142.8	142.8	142.8
107.5°	173.6	173.7	173.9	174.1	174.4	174.9	175.4	175.9	176.3	176.8	177.2
110°	197.0	197.2	197.5	197.7	198.0	198.3	198.5	198.9	199.1	199.7	200.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	221.0	221.2	221.4	221.5	221.6	221.7	221.8	221.8	221.8	222.5	223.1
115°	257.6	258.0	258.4	258.8	258.9	258.6	258.4	258.0	257.8	258.0	258.0
117.5°	294.0	294.2	294.6	294.8	294.8	294.4	294.1	293.8	293.3	293.3	293.3
120°	317.3	318.1	318.9	319.8	319.8	319.1	318.5	317.8	317.1	317.0	316.8
122.5°	340.8	341.4	342.0	342.6	342.7	342.3	342.0	341.7	341.3	341.0	340.6
125°	376.8	377.2	377.6	378.1	378.1	377.8	377.6	377.2	377.0	376.5	375.9
127.5°	410.7	411.6	412.4	413.3	413.5	413.3	412.9	412.6	412.4	411.6	410.8
130°	433.2	434.2	435.3	436.3	436.8	436.3	435.9	435.5	435.1	434.6	434.1
132.5°	455.4	456.5	457.5	458.7	459.0	458.8	458.4	458.1	457.9	457.2	456.6
135°	489.2	490.0	490.8	491.5	492.0	491.8	491.6	491.5	491.4	490.8	490.3
137.5°	520.5	521.1	521.9	522.5	523.0	523.3	523.7	524.1	524.4	523.8	523.3
140°	542.3	543.0	543.6	544.3	544.7	544.9	544.9	545.1	545.3	545.1	544.9
142.5°	562.1	562.8	563.5	564.1	564.6	564.8	565.1	565.3	565.6	565.4	565.3
145°	592.7	593.0	593.2	593.5	593.9	594.3	594.7	595.1	595.5	595.3	595.2
147.5°	620.0	620.5	621.0	621.5	621.9	622.3	622.6	623.1	623.5	623.5	623.5
150°	638.7	639.0	639.3	639.5	639.8	640.0	640.3	640.6	640.8	640.8	640.8
152.5°	654.3	654.7	655.1	655.4	655.7	655.8	656.0	656.2	656.3	656.6	656.8
155°	678.4	678.4	678.4	678.4	678.4	678.6	678.7	678.8	679.0	679.6	680.0
157.5°	699.0	698.9	698.7	698.5	698.5	698.6	698.7	698.9	699.0	699.5	700.1
160°	712.0	711.8	711.4	711.2	711.0	711.0	711.0	711.0	711.0	711.8	712.4
162.5°	723.5	723.1	722.8	722.4	722.3	722.4	722.4	722.6	722.7	723.3	724.0
165°	738.5	738.1	737.7	737.3	737.0	737.0	737.0	737.0	737.0	737.8	738.7
167.5°	750.3	749.8	749.3	748.7	748.5	748.6	748.7	748.9	748.9	749.7	750.6
170°	757.1	756.6	756.0	755.5	755.2	755.2	755.2	755.2	755.2	756.2	757.1
172.5°	762.5	761.9	761.3	760.8	760.5	760.5	760.5	760.5	760.5	761.4	762.2
175°	768.0	767.4	767.0	766.4	766.1	766.1	766.1	766.1	766.1	767.0	767.8
177.5°	770.4	770.0	769.6	769.2	768.9	768.9	768.9	768.9	768.9	769.6	770.2
180°	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1367.1	1367.1	1368.9	1375.6	1376.5	1382.2	1380.5
5°	1502.5	1513.0	1516.9	1533.6	1543.5	1548.0	1539.1
7.5°	1668.1	1697.8	1711.9	1729.3	1744.7	1749.4	1737.3
10°	1788.8	1819.8	1845.9	1862.1	1877.0	1887.0	1899.7
12.5°	1905.5	1943.7	1968.5	1991.2	2006.6	2019.3	2021.4
15°	2032.4	2090.1	2133.9	2166.1	2182.1	2190.5	2187.2
17.5°	2160.3	2213.8	2245.0	2277.9	2300.1	2301.3	2301.9
20°	2232.7	2284.8	2320.9	2345.3	2370.2	2369.2	2374.7
22.5°	2281.0	2322.1	2349.8	2367.5	2376.0	2371.8	2372.9
25°	2303.7	2315.9	2310.9	2282.6	2275.4	2249.3	2253.7
27.5°	2187.0	2129.2	2069.6	1992.8	1932.2	1883.7	1886.2
30°	2028.5	1926.4	1809.9	1712.2	1624.6	1600.2	1548.0
32.5°	1807.0	1653.8	1517.4	1426.4	1351.1	1330.7	1285.2
35°	1431.5	1282.8	1142.4	1058.1	1024.7	978.2	977.6
37.5°	1112.6	981.7	907.5	844.2	811.1	782.9	780.1
40°	936.0	833.9	777.9	732.4	699.7	678.6	673.6
42.5°	812.6	730.0	677.6	649.4	624.2	613.3	605.2
45°	663.6	608.1	571.4	545.9	534.3	525.9	521.5
47.5°	555.1	517.9	492.9	476.0	466.5	457.7	460.1
50°	496.0	465.5	447.2	431.1	423.9	417.8	418.3
52.5°	448.5	421.1	406.3	394.7	385.7	381.4	379.3
55°	380.6	363.4	348.5	340.1	335.1	329.1	327.3
57.5°	324.7	311.4	299.1	289.8	288.5	282.7	283.4
60°	287.4	276.3	266.4	261.3	257.5	252.4	254.1
62.5°	256.8	247.4	238.4	234.2	230.4	226.7	227.5
65°	210.3	201.4	195.8	193.6	192.0	190.3	188.7
67.5°	167.5	162.2	158.7	153.9	150.5	149.9	148.2
70°	141.0	133.7	127.6	121.5	119.8	119.3	119.8
72.5°	113.0	108.4	106.7	103.8	103.5	102.0	103.0
75°	84.9	83.2	82.1	79.9	79.9	79.9	79.9
77.5°	62.6	61.6	60.9	60.5	59.9	59.1	59.0
80°	48.8	48.3	47.1	47.1	46.6	47.1	46.6
82.5°	36.9	36.8	35.6	35.6	35.1	34.7	35.1
85°	18.8	18.3	19.4	18.3	18.8	17.8	18.8
87.5°	8.6	8.6	8.3	8.3	8.0	8.9	8.1
90°	16.1	16.7	17.0	17.4	17.6	17.9	18.2
92.5°	24.5	24.9	25.1	24.9	24.8	24.6	24.5
95°	46.4	47.0	47.2	47.2	47.2	47.2	47.2
97.5°	71.9	72.6	72.8	72.8	72.7	72.6	72.6
100°	90.2	90.6	90.9	91.2	91.5	91.7	92.0
102.5°	111.5	111.9	112.0	112.0	111.9	111.9	111.9
105°	142.8	142.8	142.9	143.2	143.5	143.7	144.1
107.5°	177.7	178.1	178.2	178.1	177.9	177.7	177.6
110°	200.7	201.2	201.4	201.1	200.8	200.6	200.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	223.8	224.5	224.7	224.7	224.6	224.5	224.5
115°	258.2	258.4	258.4	258.2	258.0	258.0	257.8
117.5°	293.3	293.3	293.1	292.7	292.3	292.0	291.6
120°	316.7	316.6	316.3	316.1	315.8	315.5	315.3
122.5°	340.2	339.9	339.6	339.2	338.8	338.4	338.0
125°	375.4	374.9	374.3	373.8	373.2	372.7	372.2
127.5°	410.1	409.4	408.6	408.1	407.4	406.8	406.2
130°	433.5	432.9	432.2	431.3	430.3	429.4	428.4
132.5°	455.9	455.3	454.6	453.9	453.1	452.4	451.7
135°	489.8	489.3	488.9	488.5	488.3	488.0	487.7
137.5°	522.7	522.2	521.6	521.1	520.6	520.1	519.6
140°	544.9	544.7	544.1	543.2	542.3	541.4	540.4
142.5°	565.2	565.0	564.6	563.9	563.1	562.4	561.7
145°	595.1	594.9	594.6	594.0	593.5	593.0	592.5
147.5°	623.5	623.5	623.1	622.2	621.4	620.6	619.8
150°	640.8	640.8	640.4	639.6	638.9	638.1	637.2
152.5°	657.0	657.2	657.0	656.2	655.6	654.8	654.2
155°	680.6	681.1	680.9	680.0	679.1	678.1	677.2
157.5°	700.7	701.2	701.1	700.3	699.6	698.9	698.1
160°	713.1	713.7	713.8	713.3	712.7	712.2	711.7
162.5°	724.7	725.4	725.3	724.4	723.6	722.7	721.8
165°	739.5	740.3	740.2	739.3	738.3	737.4	736.5
167.5°	751.5	752.3	752.3	751.5	750.6	749.7	748.9
170°	758.1	759.0	759.0	758.1	757.1	756.2	755.2
172.5°	763.0	763.9	763.9	762.9	762.0	761.0	760.1
175°	768.5	769.3	769.3	768.3	767.4	766.5	765.5
177.5°	770.9	771.5	771.4	770.7	769.9	769.2	768.4
180°	770.4	770.4	770.4	770.4	770.4	770.4	770.4

(END OF REPORT)