

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: P332306-840

Luminaire Tested: **S123RDIP-S775D585U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332306-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S775D585U840-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5441.5 lumens
Efficiency: N/A
Efficacy: 135.0 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: General Diffuse

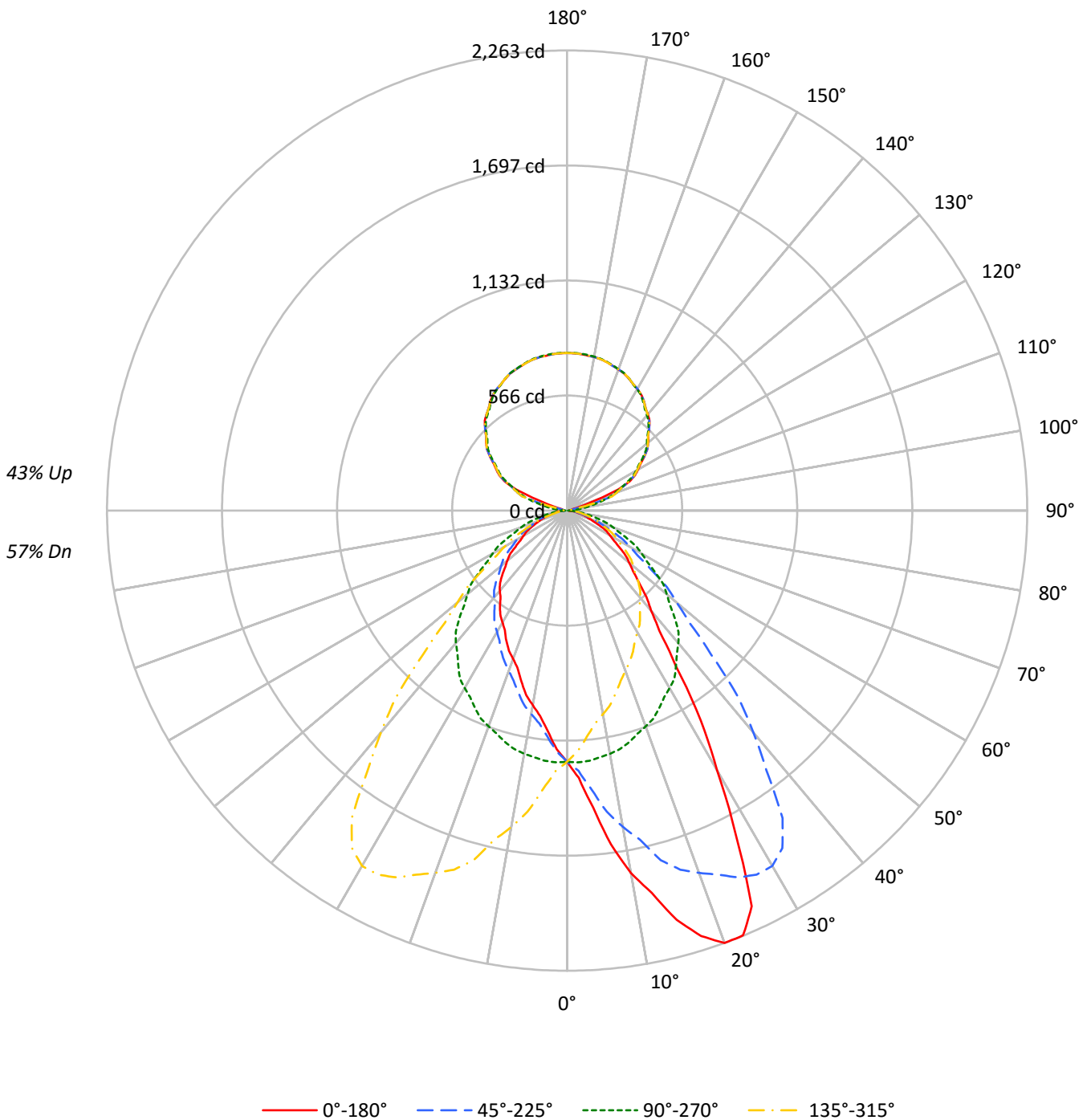
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57
1	100	96	92	89	93	89	86	83	77	75	73	66	65	63	56	55	54	49
2	92	84	79	74	85	79	74	69	69	65	61	59	56	54	50	48	46	42
3	84	75	68	62	78	70	64	59	61	56	52	53	49	46	45	42	40	36
4	77	67	59	53	72	62	56	50	55	49	45	47	43	40	41	38	35	32
5	71	60	52	46	66	56	49	44	49	44	39	43	39	35	37	34	31	28
6	66	54	46	40	61	51	44	38	45	39	35	39	35	31	34	30	28	25
7	61	49	41	36	57	46	39	34	41	35	31	36	31	28	31	27	25	22
8	57	45	37	32	53	42	35	30	37	32	28	33	28	25	28	25	22	20
9	53	41	33	28	49	39	32	27	34	29	25	30	26	23	26	23	20	18
10	49	38	30	26	46	35	29	25	32	26	23	28	24	21	25	21	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13295	13295	13295	13295
5°	15847	13351	11757	13351
10°	19787	13274	10622	13274
15°	23226	13138	9686	13138
20°	25921	12936	8891	12936
25°	25508	12722	8402	12722
30°	18334	12525	7899	12525
35°	12242	12269	7573	12269
40°	9020	11960	7235	11960
45°	7566	11420	6905	11420
50°	6677	10712	6445	10712
55°	5853	9903	5814	9903
60°	5214	9128	5326	9128
65°	4579	8295	4956	8295
70°	3594	7553	4526	7553
75°	3165	6596	4134	6596
80°	2752	5604	4060	5604
85°	2223	4508	4310	4508



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	2.2
10°-20°	379.5	7.0
20°-30°	596.1	11.0
30°-40°	621.9	11.4
40°-50°	532.3	9.8
50°-60°	405.7	7.5
60°-70°	260.0	4.8
70°-80°	125.1	2.3
80°-90°	35.3	0.6
90°-100°	28.2	0.5
100°-110°	134.3	2.5
110°-120°	322.7	5.9
120°-130°	410.9	7.6
130°-140°	439.0	8.1
140°-150°	410.5	7.5
150°-160°	331.2	6.1
160°-170°	213.7	3.9
170°-180°	73.7	1.4
0°-30°	1097.0	20.2
0°-40°	1719.0	31.6
0°-60°	2656.9	48.8
0°-90°	3077.3	56.6
90°-120°	485.2	8.9
90°-150°	1745.7	32.1
90°-180°	2364.0	43.4
0°-180°	5441.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1235	1235	1235	1235	1235	
5°	1467	1236	1088	1236	1467	151
15°	2084	1179	869	1179	2084	591
25°	2148	1071	707	1071	2148	923
35°	932	934	576	934	932	611
45°	497	750	454	750	497	391
55°	312	528	310	528	312	282
65°	180	326	195	326	180	177
75°	76	159	99	159	76	82
85°	18	36	35	36	18	21
90°	17	1	17	1	17	8
95°	22	35	22	35	22	18
105°	25	172	25	172	25	58
115°	339	322	339	322	339	313
125°	463	454	463	454	463	414
135°	571	565	571	565	571	440
145°	658	652	658	652	658	411
155°	717	718	717	718	717	331
165°	756	757	756	757	756	213
175°	772	775	772	775	772	74
180°	775	775	775	775	775	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1315.5	1317.2	1311.6	1310.8	1304.4	1302.7	1302.7	1293.8	1288.4	1281.2	1277.0
5°	1466.6	1475.1	1470.9	1461.4	1445.5	1441.8	1431.8	1415.9	1398.0	1375.7	1365.1
7.5°	1655.5	1667.1	1662.6	1647.9	1631.3	1617.9	1589.5	1563.2	1526.3	1493.9	1466.2
10°	1810.3	1798.2	1788.7	1774.3	1759.1	1734.1	1704.6	1663.9	1616.8	1579.8	1538.5
12.5°	1926.2	1924.2	1912.2	1897.4	1875.8	1852.2	1815.8	1766.3	1711.5	1658.1	1610.9
15°	2084.2	2087.4	2079.4	2064.1	2033.5	1991.7	1936.7	1916.0	1837.9	1779.7	1721.5
17.5°	2193.5	2192.9	2191.8	2170.6	2139.3	2109.6	2058.6	2004.4	1933.5	1851.6	1773.2
20°	2262.9	2257.7	2258.7	2234.8	2211.6	2177.3	2127.6	2048.8	1990.6	1896.0	1815.0
22.5°	2261.2	2260.2	2264.2	2256.0	2239.1	2212.8	2173.6	2107.2	2033.0	1937.4	1846.3
25°	2147.7	2143.4	2168.3	2175.1	2202.1	2206.9	2195.2	2158.8	2088.4	1990.0	1877.4
27.5°	1797.5	1795.1	1841.2	1899.0	1972.1	2029.0	2084.0	2110.5	2088.4	2018.0	1905.2
30°	1475.1	1524.8	1548.1	1631.6	1724.6	1835.7	1933.0	2025.5	2048.2	2017.6	1925.0
32.5°	1224.8	1268.1	1287.5	1359.2	1445.9	1576.0	1721.9	1852.9	1945.5	1968.9	1913.2
35°	931.6	932.1	976.5	1008.2	1088.6	1222.3	1364.1	1539.6	1714.0	1846.2	1860.0
37.5°	743.4	746.0	772.8	804.5	864.7	935.5	1060.3	1206.2	1407.8	1610.6	1729.6
40°	641.9	646.6	666.7	697.9	741.2	794.7	891.9	1029.5	1197.5	1423.3	1607.8
42.5°	576.7	584.4	594.8	618.8	645.7	695.7	774.4	880.5	1033.4	1246.9	1459.8
45°	497.0	501.2	509.2	520.3	544.6	579.5	632.4	703.7	830.6	1002.5	1215.5
47.5°	438.4	436.2	444.5	453.5	469.7	493.5	529.0	587.2	677.7	815.6	996.3
50°	398.7	398.1	403.9	410.8	426.2	443.6	472.7	516.5	588.4	702.7	868.2
52.5°	361.4	363.5	367.6	376.2	387.2	401.3	427.4	459.0	520.8	619.4	757.3
55°	311.9	313.6	319.3	324.1	332.0	346.3	362.7	389.1	431.4	500.2	613.8
57.5°	270.0	269.3	274.9	276.1	285.1	296.7	309.4	329.9	360.6	411.6	488.2
60°	242.2	240.5	245.3	249.0	253.8	263.3	273.9	294.0	318.3	355.8	421.4
62.5°	216.8	216.0	219.5	223.2	227.1	235.8	244.7	260.1	279.3	311.0	363.0
65°	179.8	181.4	182.9	184.5	186.6	191.9	200.4	211.0	224.2	246.4	283.9
67.5°	141.3	142.9	143.4	146.6	151.2	154.5	159.7	169.1	178.2	197.0	218.3
70°	114.2	113.7	114.2	115.8	121.6	127.4	134.3	141.2	146.9	160.2	178.1
72.5°	98.2	97.1	98.6	98.9	101.7	103.3	107.7	114.1	121.6	130.6	143.5
75°	76.1	76.1	76.1	76.1	78.3	79.3	80.9	82.5	85.1	89.4	98.9
77.5°	56.2	56.4	57.1	57.7	58.1	58.7	59.7	61.2	62.2	64.4	68.6
80°	44.4	44.9	44.4	44.9	44.9	45.9	46.6	48.1	48.7	51.3	52.9
82.5°	33.4	33.1	33.4	33.9	33.9	35.0	35.1	36.3	36.4	37.8	39.4
85°	18.0	17.0	18.0	17.5	18.5	17.5	18.0	19.0	19.0	19.6	21.7
87.5°	7.7	8.5	7.6	8.0	7.9	8.3	8.2	8.1	8.8	8.3	8.4
90°	17.3	17.1	16.8	16.6	16.3	15.9	15.3	14.8	14.3	13.8	12.1
92.5°	19.1	19.0	18.8	18.7	18.5	18.0	17.2	16.4	15.6	14.7	13.5
95°	21.9	21.9	21.9	21.9	21.9	21.4	20.5	19.7	18.8	17.9	16.5
97.5°	23.7	23.6	23.4	23.3	23.2	22.6	21.6	20.6	19.6	18.6	27.8
100°	24.2	24.0	23.9	23.8	23.6	23.1	22.1	21.0	20.0	19.0	39.0
102.5°	24.6	24.4	24.2	23.9	23.7	25.2	28.4	31.5	34.7	37.9	59.7
105°	25.3	25.0	24.8	24.5	24.3	35.5	58.2	80.8	103.5	126.1	137.6
107.5°	79.6	96.6	113.7	130.8	147.9	164.7	181.4	197.9	214.6	231.2	229.3
110°	158.3	176.7	195.0	213.3	231.6	242.9	247.1	251.4	255.5	259.7	258.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	271.8	275.6	279.4	283.4	287.2	289.1	289.0	288.9	288.9	288.8	287.4
115°	338.7	338.2	337.7	337.1	336.6	335.8	334.5	333.2	331.9	330.6	329.4
117.5°	376.3	376.2	376.1	376.0	375.9	375.3	374.3	373.2	372.2	371.1	370.6
120°	402.0	402.0	402.0	402.0	402.0	401.5	400.5	399.5	398.5	397.4	397.1
122.5°	427.4	427.3	427.2	427.1	427.0	426.6	425.9	425.2	424.4	423.7	423.2
125°	463.1	462.8	462.6	462.3	462.1	461.8	461.5	461.3	461.0	460.8	460.3
127.5°	497.5	497.7	498.0	498.2	498.5	498.4	498.0	497.6	497.2	496.8	496.1
130°	519.6	519.8	520.1	520.3	520.6	520.4	519.9	519.4	518.9	518.4	517.9
132.5°	539.8	540.2	540.5	540.9	541.3	541.2	540.7	540.2	539.7	539.2	538.7
135°	570.8	571.2	571.6	572.0	572.3	572.3	572.0	571.6	571.2	570.8	570.3
137.5°	600.0	600.2	600.5	600.7	601.0	600.8	600.2	599.6	599.0	598.3	598.0
140°	617.4	617.7	617.9	618.2	618.4	618.3	617.8	617.3	616.8	616.3	615.9
142.5°	633.6	633.9	634.3	634.7	635.0	635.0	634.6	634.2	633.8	633.4	633.0
145°	658.3	658.3	658.3	658.3	658.3	658.2	657.9	657.7	657.4	657.2	656.9
147.5°	676.8	677.4	677.9	678.5	679.1	679.3	679.0	678.8	678.5	678.3	678.0
150°	690.6	690.9	691.4	691.8	692.2	692.2	692.0	691.7	691.5	691.2	690.9
152.5°	701.7	702.3	702.9	703.5	704.0	704.1	703.6	703.2	702.7	702.3	702.1
155°	717.1	717.9	718.6	719.4	720.1	720.2	719.6	718.9	718.3	717.7	717.5
157.5°	730.1	731.1	732.2	733.1	734.1	734.3	733.5	732.7	732.0	731.1	731.2
160°	738.4	739.3	740.2	741.1	741.9	742.0	741.2	740.5	739.7	739.0	739.1
162.5°	746.3	747.0	747.8	748.6	749.4	749.4	748.5	747.6	746.8	745.9	746.0
165°	755.7	756.6	757.5	758.4	759.3	759.2	758.2	757.2	756.2	755.1	755.3
167.5°	762.4	763.6	764.6	765.6	766.6	766.6	765.6	764.6	763.6	762.4	762.4
170°	766.6	767.7	768.7	769.7	770.7	770.7	769.7	768.7	767.7	766.6	766.6
172.5°	768.9	770.0	771.2	772.3	773.5	773.5	772.4	771.4	770.4	769.4	769.3
175°	772.3	773.5	774.5	775.5	776.5	776.6	775.7	774.8	773.9	773.0	772.8
177.5°	773.5	774.5	775.5	776.5	777.5	777.6	776.8	776.0	775.2	774.4	774.3
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1275.3	1273.9	1268.1	1261.3	1252.4	1246.5	1241.8	1239.3	1231.7	1222.3	1216.1
5°	1354.0	1338.2	1321.3	1300.6	1281.6	1262.0	1249.9	1235.6	1218.2	1198.6	1184.9
7.5°	1438.5	1407.3	1373.8	1339.3	1305.0	1274.4	1247.4	1224.2	1196.4	1168.3	1148.7
10°	1503.2	1457.6	1410.6	1362.5	1318.6	1277.4	1245.7	1214.5	1181.1	1148.9	1124.6
12.5°	1562.0	1502.1	1447.8	1388.8	1332.6	1283.3	1237.6	1200.9	1160.8	1126.5	1098.7
15°	1636.4	1575.1	1509.4	1419.6	1345.0	1282.6	1227.2	1179.0	1130.4	1088.1	1061.2
17.5°	1706.0	1613.7	1525.6	1450.6	1353.7	1275.8	1208.0	1150.4	1097.1	1052.3	1019.1
20°	1734.7	1645.4	1549.6	1454.0	1358.8	1271.5	1192.8	1129.3	1073.8	1023.1	992.4
22.5°	1752.0	1650.8	1550.0	1447.2	1346.2	1255.5	1177.6	1107.7	1047.6	999.4	961.5
25°	1772.2	1651.7	1540.7	1439.2	1336.1	1237.7	1145.2	1071.2	1006.1	954.8	914.6
27.5°	1785.5	1643.8	1512.6	1399.7	1295.2	1197.2	1112.4	1034.0	968.0	913.7	870.6
30°	1788.1	1637.4	1491.0	1368.9	1262.5	1172.7	1082.8	1007.7	938.0	880.3	840.1
32.5°	1791.5	1621.7	1461.8	1332.0	1223.2	1134.2	1052.8	981.1	909.6	852.8	811.8
35°	1777.6	1613.2	1417.4	1268.4	1159.4	1073.3	999.8	933.7	863.4	808.4	766.6
37.5°	1717.5	1578.7	1371.6	1196.7	1082.8	1003.0	943.1	885.4	821.0	761.6	722.4
40°	1657.0	1544.9	1336.1	1153.2	1034.2	952.2	898.3	851.2	788.8	733.4	691.1
42.5°	1566.9	1498.8	1302.2	1107.4	979.2	900.2	854.7	810.6	755.9	699.5	659.7
45°	1401.6	1410.6	1232.9	1034.7	903.0	823.7	780.9	750.2	701.7	655.1	614.4
47.5°	1194.4	1278.4	1151.7	957.2	822.7	748.3	710.9	684.2	651.4	605.7	568.6
50°	1059.0	1179.0	1086.5	905.1	772.4	698.4	661.5	639.7	611.2	575.2	539.8
52.5°	934.2	1063.2	1007.8	847.2	717.9	650.3	614.1	596.2	573.5	539.7	507.7
55°	761.8	892.5	879.8	759.7	636.0	575.2	547.8	527.7	512.3	487.0	461.6
57.5°	616.3	740.1	746.7	662.5	563.9	503.8	480.2	465.0	455.0	435.9	412.4
60°	524.5	638.1	660.4	596.9	512.3	459.5	436.2	424.0	416.1	400.8	382.8
62.5°	448.4	545.1	570.3	524.6	462.8	413.3	395.2	383.4	378.0	364.8	348.9
65°	343.2	423.5	447.8	422.4	390.2	350.5	335.8	325.7	320.9	313.6	301.8
67.5°	258.0	316.6	343.3	325.4	313.8	288.7	279.2	273.9	269.6	264.6	254.9
70°	207.2	250.6	278.1	273.4	263.9	250.6	243.8	240.0	235.8	231.6	223.1
72.5°	166.6	196.5	222.3	224.7	216.9	214.2	208.2	206.6	204.1	199.0	194.4
75°	110.5	131.1	149.1	155.9	159.2	161.8	159.2	158.6	158.0	153.9	151.2
77.5°	72.4	83.5	94.8	106.5	111.6	115.1	116.0	118.0	116.5	114.3	113.0
80°	55.5	58.2	66.0	76.1	84.0	87.3	89.4	90.4	89.9	89.4	87.3
82.5°	40.3	42.5	46.3	53.3	60.0	65.2	66.6	66.3	67.5	67.8	66.0
85°	21.7	22.2	23.2	24.3	28.0	33.8	35.4	36.5	37.6	37.6	34.3
87.5°	8.9	8.1	8.6	8.3	9.4	9.5	11.8	13.6	14.3	12.9	13.1
90°	10.5	8.8	7.2	5.7	4.4	3.1	1.8	0.6	1.8	3.1	4.4
92.5°	12.2	11.0	9.7	9.3	9.6	10.0	10.4	10.7	10.4	10.0	9.6
95°	15.0	13.6	12.2	14.1	19.4	24.6	29.9	35.1	29.9	24.6	19.4
97.5°	37.0	46.2	55.4	61.2	63.5	65.9	68.3	70.6	68.3	65.9	63.5
100°	59.0	78.9	98.9	107.6	105.0	102.5	99.9	97.4	99.9	102.5	105.0
102.5°	81.5	103.3	125.1	135.1	133.3	131.5	129.6	127.7	129.6	131.5	133.3
105°	149.2	160.7	172.2	177.2	175.8	174.5	173.1	171.7	173.1	174.5	175.8
107.5°	227.5	225.7	223.9	222.5	221.4	220.3	219.0	217.9	219.0	220.3	221.4
110°	256.9	255.5	254.2	252.9	251.9	250.9	249.8	248.8	249.8	250.9	251.9



TEST NUMBER: P332306-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	286.0	284.6	283.2	282.0	281.0	280.1	279.2	278.3	279.2	280.1	281.0
115°	328.3	327.2	326.0	325.1	324.3	323.5	322.8	321.9	322.8	323.5	324.3
117.5°	370.0	369.4	368.8	368.0	367.1	366.2	365.2	364.3	365.2	366.2	367.1
120°	396.7	396.3	395.9	395.2	393.9	392.8	391.6	390.5	391.6	392.8	393.9
122.5°	422.7	422.2	421.7	421.0	420.1	419.1	418.2	417.3	418.2	419.1	420.1
125°	459.8	459.3	458.8	458.0	457.0	456.0	454.9	453.8	454.9	456.0	457.0
127.5°	495.5	494.8	494.2	493.4	492.4	491.4	490.4	489.4	490.4	491.4	492.4
130°	517.4	516.8	516.3	515.5	514.5	513.5	512.5	511.5	512.5	513.5	514.5
132.5°	538.3	537.9	537.5	536.7	535.7	534.7	533.7	532.7	533.7	534.7	535.7
135°	569.8	569.3	568.8	568.2	567.3	566.5	565.8	565.0	565.8	566.5	567.3
137.5°	597.7	597.4	597.2	596.5	595.6	594.6	593.7	592.7	593.7	594.6	595.6
140°	615.5	615.1	614.8	614.2	613.4	612.7	611.9	611.1	611.9	612.7	613.4
142.5°	632.6	632.2	631.8	631.3	630.5	629.8	628.9	628.1	628.9	629.8	630.5
145°	656.7	656.4	656.2	655.6	654.7	653.8	652.9	652.0	652.9	653.8	654.7
147.5°	677.7	677.5	677.2	676.8	676.2	675.7	675.1	674.5	675.1	675.7	676.2
150°	690.6	690.4	690.1	689.8	689.4	689.0	688.7	688.3	688.7	689.0	689.4
152.5°	702.0	701.8	701.7	701.5	701.3	701.0	700.9	700.7	700.9	701.0	701.3
155°	717.4	717.3	717.2	717.2	717.5	717.7	718.0	718.2	718.0	717.7	717.5
157.5°	731.4	731.5	731.6	731.7	731.7	731.7	731.8	731.8	731.8	731.7	731.7
160°	739.2	739.3	739.5	739.6	739.7	739.9	740.0	740.1	740.0	739.9	739.7
162.5°	746.2	746.3	746.4	746.6	747.0	747.3	747.6	748.0	747.6	747.3	747.0
165°	755.4	755.5	755.6	755.9	756.3	756.7	757.0	757.4	757.0	756.7	756.3
167.5°	762.4	762.4	762.4	762.8	763.3	763.8	764.3	764.8	764.3	763.8	763.3
170°	766.6	766.6	766.6	766.9	767.4	767.9	768.4	768.9	768.4	767.9	767.4
172.5°	769.2	769.1	769.0	769.2	769.8	770.4	771.1	771.7	771.1	770.4	769.8
175°	772.7	772.5	772.4	772.7	773.4	774.0	774.7	775.3	774.7	774.0	773.4
177.5°	774.2	774.1	774.0	774.2	774.7	775.2	775.7	776.2	775.7	775.2	774.7
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



TEST NUMBER: P332306-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1214.0	1208.4	1204.7	1196.2	1190.6	1184.8	1178.8	1182.7	1182.2	1181.7	1181.7
5°	1173.3	1161.0	1149.9	1135.7	1126.7	1115.6	1107.1	1106.1	1108.2	1100.8	1096.5
7.5°	1132.9	1116.2	1100.4	1084.7	1068.0	1054.7	1046.3	1042.4	1037.0	1032.5	1027.7
10°	1104.5	1084.9	1069.5	1050.1	1032.1	1016.2	1006.1	999.3	995.5	991.9	985.0
12.5°	1075.3	1056.1	1036.6	1014.5	997.3	979.0	971.5	963.7	956.6	952.5	943.1
15°	1032.6	1007.7	987.1	963.8	944.8	926.9	916.3	900.9	898.8	893.5	884.0
17.5°	989.8	962.8	934.3	917.2	895.6	877.0	860.8	855.7	840.5	834.9	826.6
20°	955.9	931.1	909.4	886.7	855.5	838.0	825.4	818.5	806.3	798.9	793.6
22.5°	926.8	901.5	876.4	849.9	824.2	804.6	795.3	784.6	778.0	767.6	761.8
25°	885.0	857.6	827.5	798.9	780.4	765.6	750.7	741.2	731.7	727.0	716.4
27.5°	836.7	807.9	779.7	758.1	735.4	720.7	707.3	698.8	687.4	679.4	673.6
30°	810.0	776.2	751.8	732.3	703.2	689.4	679.4	668.8	660.4	651.9	646.1
32.5°	779.1	748.2	725.2	700.9	678.6	663.7	650.7	641.4	634.1	626.1	620.3
35°	730.6	704.8	681.0	656.6	640.3	624.9	609.7	601.7	594.8	587.4	582.1
37.5°	686.9	662.7	640.1	617.0	596.7	584.2	571.9	565.8	556.5	551.6	546.1
40°	659.8	636.0	611.7	589.6	568.4	558.9	547.8	538.8	530.3	526.6	520.8
42.5°	630.3	606.4	585.9	562.0	544.7	531.8	521.5	511.7	505.3	500.0	496.7
45°	586.3	565.2	545.1	521.3	504.9	493.8	482.2	473.2	467.4	463.7	457.9
47.5°	543.7	522.6	502.2	481.4	465.5	452.9	441.3	435.0	427.3	422.7	418.9
50°	512.8	493.8	472.1	453.1	437.3	424.5	415.1	407.1	400.2	394.5	391.8
52.5°	484.5	464.2	445.5	427.8	411.0	396.7	388.0	379.6	374.5	367.8	364.7
55°	437.8	418.2	402.3	384.9	368.5	356.4	345.8	338.4	333.1	325.7	321.4
57.5°	393.8	376.4	357.4	342.2	325.4	315.1	306.3	296.3	289.8	284.1	279.9
60°	364.3	344.2	327.8	313.6	298.7	285.5	277.6	269.6	262.8	256.9	253.3
62.5°	333.5	315.9	300.3	284.8	271.2	259.7	250.5	243.9	237.8	234.1	230.5
65°	286.0	272.3	256.4	243.8	231.1	222.6	215.2	209.3	205.1	202.5	199.3
67.5°	242.5	229.1	215.3	202.8	194.4	187.9	183.1	178.0	175.9	172.6	170.5
70°	214.1	200.4	188.2	178.7	170.3	165.5	162.3	158.6	156.5	152.3	150.2
72.5°	183.3	173.3	164.5	156.7	150.0	145.6	141.6	137.0	133.7	129.0	126.9
75°	144.3	135.3	128.5	123.2	119.0	113.1	107.3	102.6	101.0	99.4	98.9
77.5°	106.9	101.2	96.2	91.8	86.5	82.3	81.0	80.0	79.6	78.8	78.8
80°	84.0	78.8	75.0	69.8	66.7	66.7	66.7	65.5	66.0	66.0	66.0
82.5°	62.5	57.7	55.6	53.7	53.1	53.5	53.5	53.7	53.4	54.2	53.8
85°	32.2	32.8	33.8	33.3	33.8	33.8	34.9	34.3	34.9	33.8	34.9
87.5°	13.0	14.5	15.3	16.1	16.8	16.8	17.3	17.4	17.9	18.0	18.1
90°	5.7	7.2	8.8	10.5	12.1	13.8	14.3	14.8	15.3	15.9	16.3
92.5°	9.3	9.7	11.0	12.2	13.5	14.7	15.6	16.4	17.2	18.0	18.5
95°	14.1	12.2	13.6	15.0	16.5	17.9	18.8	19.7	20.5	21.4	21.9
97.5°	61.2	55.4	46.2	37.0	27.8	18.6	19.6	20.6	21.6	22.6	23.2
100°	107.6	98.9	78.9	59.0	39.0	19.0	20.0	21.0	22.1	23.1	23.6
102.5°	135.1	125.1	103.3	81.5	59.7	37.9	34.7	31.5	28.4	25.2	23.7
105°	177.2	172.2	160.7	149.2	137.6	126.1	103.5	80.8	58.2	35.5	24.3
107.5°	222.5	223.9	225.7	227.5	229.3	231.2	214.6	197.9	181.4	164.7	147.9
110°	252.9	254.2	255.5	256.9	258.3	259.7	255.5	251.4	247.1	242.9	231.6



TEST NUMBER: P332306-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	282.0	283.2	284.6	286.0	287.4	288.8	288.9	288.9	289.0	289.1	287.2
115°	325.1	326.0	327.2	328.3	329.4	330.6	331.9	333.2	334.5	335.8	336.6
117.5°	368.0	368.8	369.4	370.0	370.6	371.1	372.2	373.2	374.3	375.3	375.9
120°	395.2	395.9	396.3	396.7	397.1	397.4	398.5	399.5	400.5	401.5	402.0
122.5°	421.0	421.7	422.2	422.7	423.2	423.7	424.4	425.2	425.9	426.6	427.0
125°	458.0	458.8	459.3	459.8	460.3	460.8	461.0	461.3	461.5	461.8	462.1
127.5°	493.4	494.2	494.8	495.5	496.1	496.8	497.2	497.6	498.0	498.4	498.5
130°	515.5	516.3	516.8	517.4	517.9	518.4	518.9	519.4	519.9	520.4	520.6
132.5°	536.7	537.5	537.9	538.3	538.7	539.2	539.7	540.2	540.7	541.2	541.3
135°	568.2	568.8	569.3	569.8	570.3	570.8	571.2	571.6	572.0	572.3	572.3
137.5°	596.5	597.2	597.4	597.7	598.0	598.3	599.0	599.6	600.2	600.8	601.0
140°	614.2	614.8	615.1	615.5	615.9	616.3	616.8	617.3	617.8	618.3	618.4
142.5°	631.3	631.8	632.2	632.6	633.0	633.4	633.8	634.2	634.6	635.0	635.0
145°	655.6	656.2	656.4	656.7	656.9	657.2	657.4	657.7	657.9	658.2	658.3
147.5°	676.8	677.2	677.5	677.7	678.0	678.3	678.5	678.8	679.0	679.3	679.1
150°	689.8	690.1	690.4	690.6	690.9	691.2	691.5	691.7	692.0	692.2	692.2
152.5°	701.5	701.7	701.8	702.0	702.1	702.3	702.7	703.2	703.6	704.1	704.0
155°	717.2	717.2	717.3	717.4	717.5	717.7	718.3	718.9	719.6	720.2	720.1
157.5°	731.7	731.6	731.5	731.4	731.2	731.1	732.0	732.7	733.5	734.3	734.1
160°	739.6	739.5	739.3	739.2	739.1	739.0	739.7	740.5	741.2	742.0	741.9
162.5°	746.6	746.4	746.3	746.2	746.0	745.9	746.8	747.6	748.5	749.4	749.4
165°	755.9	755.6	755.5	755.4	755.3	755.1	756.2	757.2	758.2	759.2	759.3
167.5°	762.8	762.4	762.4	762.4	762.4	762.4	763.6	764.6	765.6	766.6	766.6
170°	766.9	766.6	766.6	766.6	766.6	766.6	767.7	768.7	769.7	770.7	770.7
172.5°	769.2	769.0	769.1	769.2	769.3	769.4	770.4	771.4	772.4	773.5	773.5
175°	772.7	772.4	772.5	772.7	772.8	773.0	773.9	774.8	775.7	776.6	776.5
177.5°	774.2	774.0	774.1	774.2	774.3	774.4	775.2	776.0	776.8	777.6	777.5
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



TEST NUMBER: P332306-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1176.7	1176.3	1176.7	1175.0	1176.7	1176.3	1176.7	1181.7	1181.7	1182.2	1182.7
5°	1095.0	1094.4	1092.9	1088.1	1092.9	1094.4	1095.0	1096.5	1100.8	1108.2	1106.1
7.5°	1023.6	1022.9	1018.2	1018.3	1018.2	1022.9	1023.6	1027.7	1032.5	1037.0	1042.4
10°	981.3	981.8	975.5	971.8	975.5	981.8	981.3	985.0	991.9	995.5	999.3
12.5°	940.3	937.9	932.7	928.7	932.7	937.9	940.3	943.1	952.5	956.6	963.7
15°	886.2	880.8	868.2	869.2	868.2	880.8	886.2	884.0	893.5	898.8	900.9
17.5°	822.3	818.5	818.2	810.8	818.2	818.5	822.3	826.6	834.9	840.5	855.7
20°	785.2	782.5	783.6	776.2	783.6	782.5	785.2	793.6	798.9	806.3	818.5
22.5°	756.0	753.4	748.9	746.6	748.9	753.4	756.0	761.8	767.6	778.0	784.6
25°	713.3	709.0	704.8	707.4	704.8	709.0	713.3	716.4	727.0	731.7	741.2
27.5°	670.6	667.3	663.1	662.6	663.1	667.3	670.6	673.6	679.4	687.4	698.8
30°	643.5	640.3	638.1	635.5	638.1	640.3	643.5	646.1	651.9	660.4	668.8
32.5°	615.9	615.3	611.5	611.0	611.5	615.3	615.9	620.3	626.1	634.1	641.4
35°	580.0	576.8	575.7	576.3	575.7	576.8	580.0	582.1	587.4	594.8	601.7
37.5°	545.8	541.6	539.7	537.9	539.7	541.6	545.8	546.1	551.6	556.5	565.8
40°	521.3	517.1	516.0	514.9	516.0	517.1	521.3	520.8	526.6	530.3	538.8
42.5°	493.8	492.1	491.5	489.6	491.5	492.1	493.8	496.7	500.0	505.3	511.7
45°	456.3	455.8	452.6	453.6	452.6	455.8	456.3	457.9	463.7	467.4	473.2
47.5°	416.8	414.4	412.2	413.6	412.2	414.4	416.8	418.9	422.7	427.3	435.0
50°	389.7	388.6	383.8	384.9	383.8	388.6	389.7	391.8	394.5	400.2	407.1
52.5°	362.6	358.6	356.8	356.2	356.8	358.6	362.6	364.7	367.8	374.5	379.6
55°	317.8	313.0	310.8	309.8	310.8	313.0	317.8	321.4	325.7	333.1	338.4
57.5°	273.8	272.5	270.8	272.0	270.8	272.5	273.8	279.9	284.1	289.8	296.3
60°	247.9	247.9	247.9	247.4	247.9	247.9	247.9	253.3	256.9	262.8	269.6
62.5°	228.1	226.8	226.4	227.1	226.4	226.8	228.1	230.5	234.1	237.8	243.9
65°	197.7	197.2	195.1	194.6	195.1	197.2	197.7	199.3	202.5	205.1	209.3
67.5°	169.1	167.1	166.5	165.8	166.5	167.1	169.1	170.5	172.6	175.9	178.0
70°	147.5	146.4	143.3	143.8	143.3	146.4	147.5	150.2	152.3	156.5	158.6
72.5°	124.2	123.2	122.6	121.8	122.6	123.2	124.2	126.9	129.0	133.7	137.0
75°	98.4	97.9	97.3	99.4	97.3	97.9	98.4	98.9	99.4	101.0	102.6
77.5°	78.8	78.8	79.1	78.3	79.1	78.8	78.8	78.8	78.8	79.6	80.0
80°	66.0	66.0	65.5	65.5	65.5	66.0	66.0	66.0	66.0	66.0	65.5
82.5°	53.0	53.4	53.7	52.9	53.7	53.4	53.0	53.8	54.2	53.4	53.7
85°	34.9	34.3	35.4	34.9	35.4	34.3	34.9	34.9	33.8	34.9	34.3
87.5°	19.0	18.2	18.2	18.7	18.2	18.2	19.0	18.1	18.0	17.9	17.4
90°	16.6	16.8	17.1	17.3	17.1	16.8	16.6	16.3	15.9	15.3	14.8
92.5°	18.7	18.8	19.0	19.1	19.0	18.8	18.7	18.5	18.0	17.2	16.4
95°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.4	20.5	19.7
97.5°	23.3	23.4	23.6	23.7	23.6	23.4	23.3	23.2	22.6	21.6	20.6
100°	23.8	23.9	24.0	24.2	24.0	23.9	23.8	23.6	23.1	22.1	21.0
102.5°	23.9	24.2	24.4	24.6	24.4	24.2	23.9	23.7	25.2	28.4	31.5
105°	24.5	24.8	25.0	25.3	25.0	24.8	24.5	24.3	35.5	58.2	80.8
107.5°	130.8	113.7	96.6	79.6	96.6	113.7	130.8	147.9	164.7	181.4	197.9
110°	213.3	195.0	176.7	158.3	176.7	195.0	213.3	231.6	242.9	247.1	251.4



TEST NUMBER: P332306-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	283.4	279.4	275.6	271.8	275.6	279.4	283.4	287.2	289.1	289.0	288.9
115°	337.1	337.7	338.2	338.7	338.2	337.7	337.1	336.6	335.8	334.5	333.2
117.5°	376.0	376.1	376.2	376.3	376.2	376.1	376.0	375.9	375.3	374.3	373.2
120°	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	401.5	400.5	399.5
122.5°	427.1	427.2	427.3	427.4	427.3	427.2	427.1	427.0	426.6	425.9	425.2
125°	462.3	462.6	462.8	463.1	462.8	462.6	462.3	462.1	461.8	461.5	461.3
127.5°	498.2	498.0	497.7	497.5	497.7	498.0	498.2	498.5	498.4	498.0	497.6
130°	520.3	520.1	519.8	519.6	519.8	520.1	520.3	520.6	520.4	519.9	519.4
132.5°	540.9	540.5	540.2	539.8	540.2	540.5	540.9	541.3	541.2	540.7	540.2
135°	572.0	571.6	571.2	570.8	571.2	571.6	572.0	572.3	572.3	572.0	571.6
137.5°	600.7	600.5	600.2	600.0	600.2	600.5	600.7	601.0	600.8	600.2	599.6
140°	618.2	617.9	617.7	617.4	617.7	617.9	618.2	618.4	618.3	617.8	617.3
142.5°	634.7	634.3	633.9	633.6	633.9	634.3	634.7	635.0	635.0	634.6	634.2
145°	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.2	657.9	657.7
147.5°	678.5	677.9	677.4	676.8	677.4	677.9	678.5	679.1	679.3	679.0	678.8
150°	691.8	691.4	690.9	690.6	690.9	691.4	691.8	692.2	692.2	692.0	691.7
152.5°	703.5	702.9	702.3	701.7	702.3	702.9	703.5	704.0	704.1	703.6	703.2
155°	719.4	718.6	717.9	717.1	717.9	718.6	719.4	720.1	720.2	719.6	718.9
157.5°	733.1	732.2	731.1	730.1	731.1	732.2	733.1	734.1	734.3	733.5	732.7
160°	741.1	740.2	739.3	738.4	739.3	740.2	741.1	741.9	742.0	741.2	740.5
162.5°	748.6	747.8	747.0	746.3	747.0	747.8	748.6	749.4	749.4	748.5	747.6
165°	758.4	757.5	756.6	755.7	756.6	757.5	758.4	759.3	759.2	758.2	757.2
167.5°	765.6	764.6	763.6	762.4	763.6	764.6	765.6	766.6	766.6	765.6	764.6
170°	769.7	768.7	767.7	766.6	767.7	768.7	769.7	770.7	770.7	769.7	768.7
172.5°	772.3	771.2	770.0	768.9	770.0	771.2	772.3	773.5	773.5	772.4	771.4
175°	775.5	774.5	773.5	772.3	773.5	774.5	775.5	776.5	776.6	775.7	774.8
177.5°	776.5	775.5	774.5	773.5	774.5	775.5	776.5	777.5	777.6	776.8	776.0
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



TEST NUMBER: P332306-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1178.8	1184.8	1190.6	1196.2	1204.7	1208.4	1214.0	1216.1	1222.3	1231.7	1239.3
5°	1107.1	1115.6	1126.7	1135.7	1149.9	1161.0	1173.3	1184.9	1198.6	1218.2	1235.6
7.5°	1046.3	1054.7	1068.0	1084.7	1100.4	1116.2	1132.9	1148.7	1168.3	1196.4	1224.2
10°	1006.1	1016.2	1032.1	1050.1	1069.5	1084.9	1104.5	1124.6	1148.9	1181.1	1214.5
12.5°	971.5	979.0	997.3	1014.5	1036.6	1056.1	1075.3	1098.7	1126.5	1160.8	1200.9
15°	916.3	926.9	944.8	963.8	987.1	1007.7	1032.6	1061.2	1088.1	1130.4	1179.0
17.5°	860.8	877.0	895.6	917.2	934.3	962.8	989.8	1019.1	1052.3	1097.1	1150.4
20°	825.4	838.0	855.5	886.7	909.4	931.1	955.9	992.4	1023.1	1073.8	1129.3
22.5°	795.3	804.6	824.2	849.9	876.4	901.5	926.8	961.5	999.4	1047.6	1107.7
25°	750.7	765.6	780.4	798.9	827.5	857.6	885.0	914.6	954.8	1006.1	1071.2
27.5°	707.3	720.7	735.4	758.1	779.7	807.9	836.7	870.6	913.7	968.0	1034.0
30°	679.4	689.4	703.2	732.3	751.8	776.2	810.0	840.1	880.3	938.0	1007.7
32.5°	650.7	663.7	678.6	700.9	725.2	748.2	779.1	811.8	852.8	909.6	981.1
35°	609.7	624.9	640.3	656.6	681.0	704.8	730.6	766.6	808.4	863.4	933.7
37.5°	571.9	584.2	596.7	617.0	640.1	662.7	686.9	722.4	761.6	821.0	885.4
40°	547.8	558.9	568.4	589.6	611.7	636.0	659.8	691.1	733.4	788.8	851.2
42.5°	521.5	531.8	544.7	562.0	585.9	606.4	630.3	659.7	699.5	755.9	810.6
45°	482.2	493.8	504.9	521.3	545.1	565.2	586.3	614.4	655.1	701.7	750.2
47.5°	441.3	452.9	465.5	481.4	502.2	522.6	543.7	568.6	605.7	651.4	684.2
50°	415.1	424.5	437.3	453.1	472.1	493.8	512.8	539.8	575.2	611.2	639.7
52.5°	388.0	396.7	411.0	427.8	445.5	464.2	484.5	507.7	539.7	573.5	596.2
55°	345.8	356.4	368.5	384.9	402.3	418.2	437.8	461.6	487.0	512.3	527.7
57.5°	306.3	315.1	325.4	342.2	357.4	376.4	393.8	412.4	435.9	455.0	465.0
60°	277.6	285.5	298.7	313.6	327.8	344.2	364.3	382.8	400.8	416.1	424.0
62.5°	250.5	259.7	271.2	284.8	300.3	315.9	333.5	348.9	364.8	378.0	383.4
65°	215.2	222.6	231.1	243.8	256.4	272.3	286.0	301.8	313.6	320.9	325.7
67.5°	183.1	187.9	194.4	202.8	215.3	229.1	242.5	254.9	264.6	269.6	273.9
70°	162.3	165.5	170.3	178.7	188.2	200.4	214.1	223.1	231.6	235.8	240.0
72.5°	141.6	145.6	150.0	156.7	164.5	173.3	183.3	194.4	199.0	204.1	206.6
75°	107.3	113.1	119.0	123.2	128.5	135.3	144.3	151.2	153.9	158.0	158.6
77.5°	81.0	82.3	86.5	91.8	96.2	101.2	106.9	113.0	114.3	116.5	118.0
80°	66.7	66.7	66.7	69.8	75.0	78.8	84.0	87.3	89.4	89.9	90.4
82.5°	53.5	53.5	53.1	53.7	55.6	57.7	62.5	66.0	67.8	67.5	66.3
85°	34.9	33.8	33.8	33.3	33.8	32.8	32.2	34.3	37.6	37.6	36.5
87.5°	17.3	16.8	16.8	16.1	15.3	14.5	13.0	13.1	12.9	14.3	13.6
90°	14.3	13.8	12.1	10.5	8.8	7.2	5.7	4.4	3.1	1.8	0.6
92.5°	15.6	14.7	13.5	12.2	11.0	9.7	9.3	9.6	10.0	10.4	10.7
95°	18.8	17.9	16.5	15.0	13.6	12.2	14.1	19.4	24.6	29.9	35.1
97.5°	19.6	18.6	27.8	37.0	46.2	55.4	61.2	63.5	65.9	68.3	70.6
100°	20.0	19.0	39.0	59.0	78.9	98.9	107.6	105.0	102.5	99.9	97.4
102.5°	34.7	37.9	59.7	81.5	103.3	125.1	135.1	133.3	131.5	129.6	127.7
105°	103.5	126.1	137.6	149.2	160.7	172.2	177.2	175.8	174.5	173.1	171.7
107.5°	214.6	231.2	229.3	227.5	225.7	223.9	222.5	221.4	220.3	219.0	217.9
110°	255.5	259.7	258.3	256.9	255.5	254.2	252.9	251.9	250.9	249.8	248.8



TEST NUMBER: P332306-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	288.9	288.8	287.4	286.0	284.6	283.2	282.0	281.0	280.1	279.2	278.3
115°	331.9	330.6	329.4	328.3	327.2	326.0	325.1	324.3	323.5	322.8	321.9
117.5°	372.2	371.1	370.6	370.0	369.4	368.8	368.0	367.1	366.2	365.2	364.3
120°	398.5	397.4	397.1	396.7	396.3	395.9	395.2	393.9	392.8	391.6	390.5
122.5°	424.4	423.7	423.2	422.7	422.2	421.7	421.0	420.1	419.1	418.2	417.3
125°	461.0	460.8	460.3	459.8	459.3	458.8	458.0	457.0	456.0	454.9	453.8
127.5°	497.2	496.8	496.1	495.5	494.8	494.2	493.4	492.4	491.4	490.4	489.4
130°	518.9	518.4	517.9	517.4	516.8	516.3	515.5	514.5	513.5	512.5	511.5
132.5°	539.7	539.2	538.7	538.3	537.9	537.5	536.7	535.7	534.7	533.7	532.7
135°	571.2	570.8	570.3	569.8	569.3	568.8	568.2	567.3	566.5	565.8	565.0
137.5°	599.0	598.3	598.0	597.7	597.4	597.2	596.5	595.6	594.6	593.7	592.7
140°	616.8	616.3	615.9	615.5	615.1	614.8	614.2	613.4	612.7	611.9	611.1
142.5°	633.8	633.4	633.0	632.6	632.2	631.8	631.3	630.5	629.8	628.9	628.1
145°	657.4	657.2	656.9	656.7	656.4	656.2	655.6	654.7	653.8	652.9	652.0
147.5°	678.5	678.3	678.0	677.7	677.5	677.2	676.8	676.2	675.7	675.1	674.5
150°	691.5	691.2	690.9	690.6	690.4	690.1	689.8	689.4	689.0	688.7	688.3
152.5°	702.7	702.3	702.1	702.0	701.8	701.7	701.5	701.3	701.0	700.9	700.7
155°	718.3	717.7	717.5	717.4	717.3	717.2	717.2	717.5	717.7	718.0	718.2
157.5°	732.0	731.1	731.2	731.4	731.5	731.6	731.7	731.7	731.7	731.8	731.8
160°	739.7	739.0	739.1	739.2	739.3	739.5	739.6	739.7	739.9	740.0	740.1
162.5°	746.8	745.9	746.0	746.2	746.3	746.4	746.6	747.0	747.3	747.6	748.0
165°	756.2	755.1	755.3	755.4	755.5	755.6	755.9	756.3	756.7	757.0	757.4
167.5°	763.6	762.4	762.4	762.4	762.4	762.4	762.8	763.3	763.8	764.3	764.8
170°	767.7	766.6	766.6	766.6	766.6	766.6	766.9	767.4	767.9	768.4	768.9
172.5°	770.4	769.4	769.3	769.2	769.1	769.0	769.2	769.8	770.4	771.1	771.7
175°	773.9	773.0	772.8	772.7	772.5	772.4	772.7	773.4	774.0	774.7	775.3
177.5°	775.2	774.4	774.3	774.2	774.1	774.0	774.2	774.7	775.2	775.7	776.2
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



TEST NUMBER: P332306-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1241.8	1246.5	1252.4	1261.3	1268.1	1273.9	1275.3	1277.0	1281.2	1288.4	1293.8
5°	1249.9	1262.0	1281.6	1300.6	1321.3	1338.2	1354.0	1365.1	1375.7	1398.0	1415.9
7.5°	1247.4	1274.4	1305.0	1339.3	1373.8	1407.3	1438.5	1466.2	1493.9	1526.3	1563.2
10°	1245.7	1277.4	1318.6	1362.5	1410.6	1457.6	1503.2	1538.5	1579.8	1616.8	1663.9
12.5°	1237.6	1283.3	1332.6	1388.8	1447.8	1502.1	1562.0	1610.9	1658.1	1711.5	1766.3
15°	1227.2	1282.6	1345.0	1419.6	1509.4	1575.1	1636.4	1721.5	1779.7	1837.9	1916.0
17.5°	1208.0	1275.8	1353.7	1450.6	1525.6	1613.7	1706.0	1773.2	1851.6	1933.5	2004.4
20°	1192.8	1271.5	1358.8	1454.0	1549.6	1645.4	1734.7	1815.0	1896.0	1990.6	2048.8
22.5°	1177.6	1255.5	1346.2	1447.2	1550.0	1650.8	1752.0	1846.3	1937.4	2033.0	2107.2
25°	1145.2	1237.7	1336.1	1439.2	1540.7	1651.7	1772.2	1877.4	1990.0	2088.4	2158.8
27.5°	1112.4	1197.2	1295.2	1399.7	1512.6	1643.8	1785.5	1905.2	2018.0	2088.4	2110.5
30°	1082.8	1172.7	1262.5	1368.9	1491.0	1637.4	1788.1	1925.0	2017.6	2048.2	2025.5
32.5°	1052.8	1134.2	1223.2	1332.0	1461.8	1621.7	1791.5	1913.2	1968.9	1945.5	1852.9
35°	999.8	1073.3	1159.4	1268.4	1417.4	1613.2	1777.6	1860.0	1846.2	1714.0	1539.6
37.5°	943.1	1003.0	1082.8	1196.7	1371.6	1578.7	1717.5	1729.6	1610.6	1407.8	1206.2
40°	898.3	952.2	1034.2	1153.2	1336.1	1544.9	1657.0	1607.8	1423.3	1197.5	1029.5
42.5°	854.7	900.2	979.2	1107.4	1302.2	1498.8	1566.9	1459.8	1246.9	1033.4	880.5
45°	780.9	823.7	903.0	1034.7	1232.9	1410.6	1401.6	1215.5	1002.5	830.6	703.7
47.5°	710.9	748.3	822.7	957.2	1151.7	1278.4	1194.4	996.3	815.6	677.7	587.2
50°	661.5	698.4	772.4	905.1	1086.5	1179.0	1059.0	868.2	702.7	588.4	516.5
52.5°	614.1	650.3	717.9	847.2	1007.8	1063.2	934.2	757.3	619.4	520.8	459.0
55°	547.8	575.2	636.0	759.7	879.8	892.5	761.8	613.8	500.2	431.4	389.1
57.5°	480.2	503.8	563.9	662.5	746.7	740.1	616.3	488.2	411.6	360.6	329.9
60°	436.2	459.5	512.3	596.9	660.4	638.1	524.5	421.4	355.8	318.3	294.0
62.5°	395.2	413.3	462.8	524.6	570.3	545.1	448.4	363.0	311.0	279.3	260.1
65°	335.8	350.5	390.2	422.4	447.8	423.5	343.2	283.9	246.4	224.2	211.0
67.5°	279.2	288.7	313.8	325.4	343.3	316.6	258.0	218.3	197.0	178.2	169.1
70°	243.8	250.6	263.9	273.4	278.1	250.6	207.2	178.1	160.2	146.9	141.2
72.5°	208.2	214.2	216.9	224.7	222.3	196.5	166.6	143.5	130.6	121.6	114.1
75°	159.2	161.8	159.2	155.9	149.1	131.1	110.5	98.9	89.4	85.1	82.5
77.5°	116.0	115.1	111.6	106.5	94.8	83.5	72.4	68.6	64.4	62.2	61.2
80°	89.4	87.3	84.0	76.1	66.0	58.2	55.5	52.9	51.3	48.7	48.1
82.5°	66.6	65.2	60.0	53.3	46.3	42.5	40.3	39.4	37.8	36.4	36.3
85°	35.4	33.8	28.0	24.3	23.2	22.2	21.7	21.7	19.6	19.0	19.0
87.5°	11.8	9.5	9.4	8.3	8.6	8.1	8.9	8.4	8.3	8.8	8.1
90°	1.8	3.1	4.4	5.7	7.2	8.8	10.5	12.1	13.8	14.3	14.8
92.5°	10.4	10.0	9.6	9.3	9.7	11.0	12.2	13.5	14.7	15.6	16.4
95°	29.9	24.6	19.4	14.1	12.2	13.6	15.0	16.5	17.9	18.8	19.7
97.5°	68.3	65.9	63.5	61.2	55.4	46.2	37.0	27.8	18.6	19.6	20.6
100°	99.9	102.5	105.0	107.6	98.9	78.9	59.0	39.0	19.0	20.0	21.0
102.5°	129.6	131.5	133.3	135.1	125.1	103.3	81.5	59.7	37.9	34.7	31.5
105°	173.1	174.5	175.8	177.2	172.2	160.7	149.2	137.6	126.1	103.5	80.8
107.5°	219.0	220.3	221.4	222.5	223.9	225.7	227.5	229.3	231.2	214.6	197.9
110°	249.8	250.9	251.9	252.9	254.2	255.5	256.9	258.3	259.7	255.5	251.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	279.2	280.1	281.0	282.0	283.2	284.6	286.0	287.4	288.8	288.9	288.9
115°	322.8	323.5	324.3	325.1	326.0	327.2	328.3	329.4	330.6	331.9	333.2
117.5°	365.2	366.2	367.1	368.0	368.8	369.4	370.0	370.6	371.1	372.2	373.2
120°	391.6	392.8	393.9	395.2	395.9	396.3	396.7	397.1	397.4	398.5	399.5
122.5°	418.2	419.1	420.1	421.0	421.7	422.2	422.7	423.2	423.7	424.4	425.2
125°	454.9	456.0	457.0	458.0	458.8	459.3	459.8	460.3	460.8	461.0	461.3
127.5°	490.4	491.4	492.4	493.4	494.2	494.8	495.5	496.1	496.8	497.2	497.6
130°	512.5	513.5	514.5	515.5	516.3	516.8	517.4	517.9	518.4	518.9	519.4
132.5°	533.7	534.7	535.7	536.7	537.5	537.9	538.3	538.7	539.2	539.7	540.2
135°	565.8	566.5	567.3	568.2	568.8	569.3	569.8	570.3	570.8	571.2	571.6
137.5°	593.7	594.6	595.6	596.5	597.2	597.4	597.7	598.0	598.3	599.0	599.6
140°	611.9	612.7	613.4	614.2	614.8	615.1	615.5	615.9	616.3	616.8	617.3
142.5°	628.9	629.8	630.5	631.3	631.8	632.2	632.6	633.0	633.4	633.8	634.2
145°	652.9	653.8	654.7	655.6	656.2	656.4	656.7	656.9	657.2	657.4	657.7
147.5°	675.1	675.7	676.2	676.8	677.2	677.5	677.7	678.0	678.3	678.5	678.8
150°	688.7	689.0	689.4	689.8	690.1	690.4	690.6	690.9	691.2	691.5	691.7
152.5°	700.9	701.0	701.3	701.5	701.7	701.8	702.0	702.1	702.3	702.7	703.2
155°	718.0	717.7	717.5	717.2	717.2	717.3	717.4	717.5	717.7	718.3	718.9
157.5°	731.8	731.7	731.7	731.7	731.6	731.5	731.4	731.2	731.1	732.0	732.7
160°	740.0	739.9	739.7	739.6	739.5	739.3	739.2	739.1	739.0	739.7	740.5
162.5°	747.6	747.3	747.0	746.6	746.4	746.3	746.2	746.0	745.9	746.8	747.6
165°	757.0	756.7	756.3	755.9	755.6	755.5	755.4	755.3	755.1	756.2	757.2
167.5°	764.3	763.8	763.3	762.8	762.4	762.4	762.4	762.4	762.4	763.6	764.6
170°	768.4	767.9	767.4	766.9	766.6	766.6	766.6	766.6	766.6	767.7	768.7
172.5°	771.1	770.4	769.8	769.2	769.0	769.1	769.2	769.3	769.4	770.4	771.4
175°	774.7	774.0	773.4	772.7	772.4	772.5	772.7	772.8	773.0	773.9	774.8
177.5°	775.7	775.2	774.7	774.2	774.0	774.1	774.2	774.3	774.4	775.2	776.0
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1302.7	1302.7	1304.4	1310.8	1311.6	1317.2	1315.5
5°	1431.8	1441.8	1445.5	1461.4	1470.9	1475.1	1466.6
7.5°	1589.5	1617.9	1631.3	1647.9	1662.6	1667.1	1655.5
10°	1704.6	1734.1	1759.1	1774.3	1788.7	1798.2	1810.3
12.5°	1815.8	1852.2	1875.8	1897.4	1912.2	1924.2	1926.2
15°	1936.7	1991.7	2033.5	2064.1	2079.4	2087.4	2084.2
17.5°	2058.6	2109.6	2139.3	2170.6	2191.8	2192.9	2193.5
20°	2127.6	2177.3	2211.6	2234.8	2258.7	2257.7	2262.9
22.5°	2173.6	2212.8	2239.1	2256.0	2264.2	2260.2	2261.2
25°	2195.2	2206.9	2202.1	2175.1	2168.3	2143.4	2147.7
27.5°	2084.0	2029.0	1972.1	1899.0	1841.2	1795.1	1797.5
30°	1933.0	1835.7	1724.6	1631.6	1548.1	1524.8	1475.1
32.5°	1721.9	1576.0	1445.9	1359.2	1287.5	1268.1	1224.8
35°	1364.1	1222.3	1088.6	1008.2	976.5	932.1	931.6
37.5°	1060.3	935.5	864.7	804.5	772.8	746.0	743.4
40°	891.9	794.7	741.2	697.9	666.7	646.6	641.9
42.5°	774.4	695.7	645.7	618.8	594.8	584.4	576.7
45°	632.4	579.5	544.6	520.3	509.2	501.2	497.0
47.5°	529.0	493.5	469.7	453.5	444.5	436.2	438.4
50°	472.7	443.6	426.2	410.8	403.9	398.1	398.7
52.5°	427.4	401.3	387.2	376.2	367.6	363.5	361.4
55°	362.7	346.3	332.0	324.1	319.3	313.6	311.9
57.5°	309.4	296.7	285.1	276.1	274.9	269.3	270.0
60°	273.9	263.3	253.8	249.0	245.3	240.5	242.2
62.5°	244.7	235.8	227.1	223.2	219.5	216.0	216.8
65°	200.4	191.9	186.6	184.5	182.9	181.4	179.8
67.5°	159.7	154.5	151.2	146.6	143.4	142.9	141.3
70°	134.3	127.4	121.6	115.8	114.2	113.7	114.2
72.5°	107.7	103.3	101.7	98.9	98.6	97.1	98.2
75°	80.9	79.3	78.3	76.1	76.1	76.1	76.1
77.5°	59.7	58.7	58.1	57.7	57.1	56.4	56.2
80°	46.6	45.9	44.9	44.9	44.4	44.9	44.4
82.5°	35.1	35.0	33.9	33.9	33.4	33.1	33.4
85°	18.0	17.5	18.5	17.5	18.0	17.0	18.0
87.5°	8.2	8.3	7.9	8.0	7.6	8.5	7.7
90°	15.3	15.9	16.3	16.6	16.8	17.1	17.3
92.5°	17.2	18.0	18.5	18.7	18.8	19.0	19.1
95°	20.5	21.4	21.9	21.9	21.9	21.9	21.9
97.5°	21.6	22.6	23.2	23.3	23.4	23.6	23.7
100°	22.1	23.1	23.6	23.8	23.9	24.0	24.2
102.5°	28.4	25.2	23.7	23.9	24.2	24.4	24.6
105°	58.2	35.5	24.3	24.5	24.8	25.0	25.3
107.5°	181.4	164.7	147.9	130.8	113.7	96.6	79.6
110°	247.1	242.9	231.6	213.3	195.0	176.7	158.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	289.0	289.1	287.2	283.4	279.4	275.6	271.8
115°	334.5	335.8	336.6	337.1	337.7	338.2	338.7
117.5°	374.3	375.3	375.9	376.0	376.1	376.2	376.3
120°	400.5	401.5	402.0	402.0	402.0	402.0	402.0
122.5°	425.9	426.6	427.0	427.1	427.2	427.3	427.4
125°	461.5	461.8	462.1	462.3	462.6	462.8	463.1
127.5°	498.0	498.4	498.5	498.2	498.0	497.7	497.5
130°	519.9	520.4	520.6	520.3	520.1	519.8	519.6
132.5°	540.7	541.2	541.3	540.9	540.5	540.2	539.8
135°	572.0	572.3	572.3	572.0	571.6	571.2	570.8
137.5°	600.2	600.8	601.0	600.7	600.5	600.2	600.0
140°	617.8	618.3	618.4	618.2	617.9	617.7	617.4
142.5°	634.6	635.0	635.0	634.7	634.3	633.9	633.6
145°	657.9	658.2	658.3	658.3	658.3	658.3	658.3
147.5°	679.0	679.3	679.1	678.5	677.9	677.4	676.8
150°	692.0	692.2	692.2	691.8	691.4	690.9	690.6
152.5°	703.6	704.1	704.0	703.5	702.9	702.3	701.7
155°	719.6	720.2	720.1	719.4	718.6	717.9	717.1
157.5°	733.5	734.3	734.1	733.1	732.2	731.1	730.1
160°	741.2	742.0	741.9	741.1	740.2	739.3	738.4
162.5°	748.5	749.4	749.4	748.6	747.8	747.0	746.3
165°	758.2	759.2	759.3	758.4	757.5	756.6	755.7
167.5°	765.6	766.6	766.6	765.6	764.6	763.6	762.4
170°	769.7	770.7	770.7	769.7	768.7	767.7	766.6
172.5°	772.4	773.5	773.5	772.3	771.2	770.0	768.9
175°	775.7	776.6	776.5	775.5	774.5	773.5	772.3
177.5°	776.8	777.6	777.5	776.5	775.5	774.5	773.5
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3

(END OF REPORT)