

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: P332308-840

Luminaire Tested: **S123RDIP-S775D585U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332308-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
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-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 585 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5218.1 lumens
Efficiency: N/A
Efficacy: 129.5 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

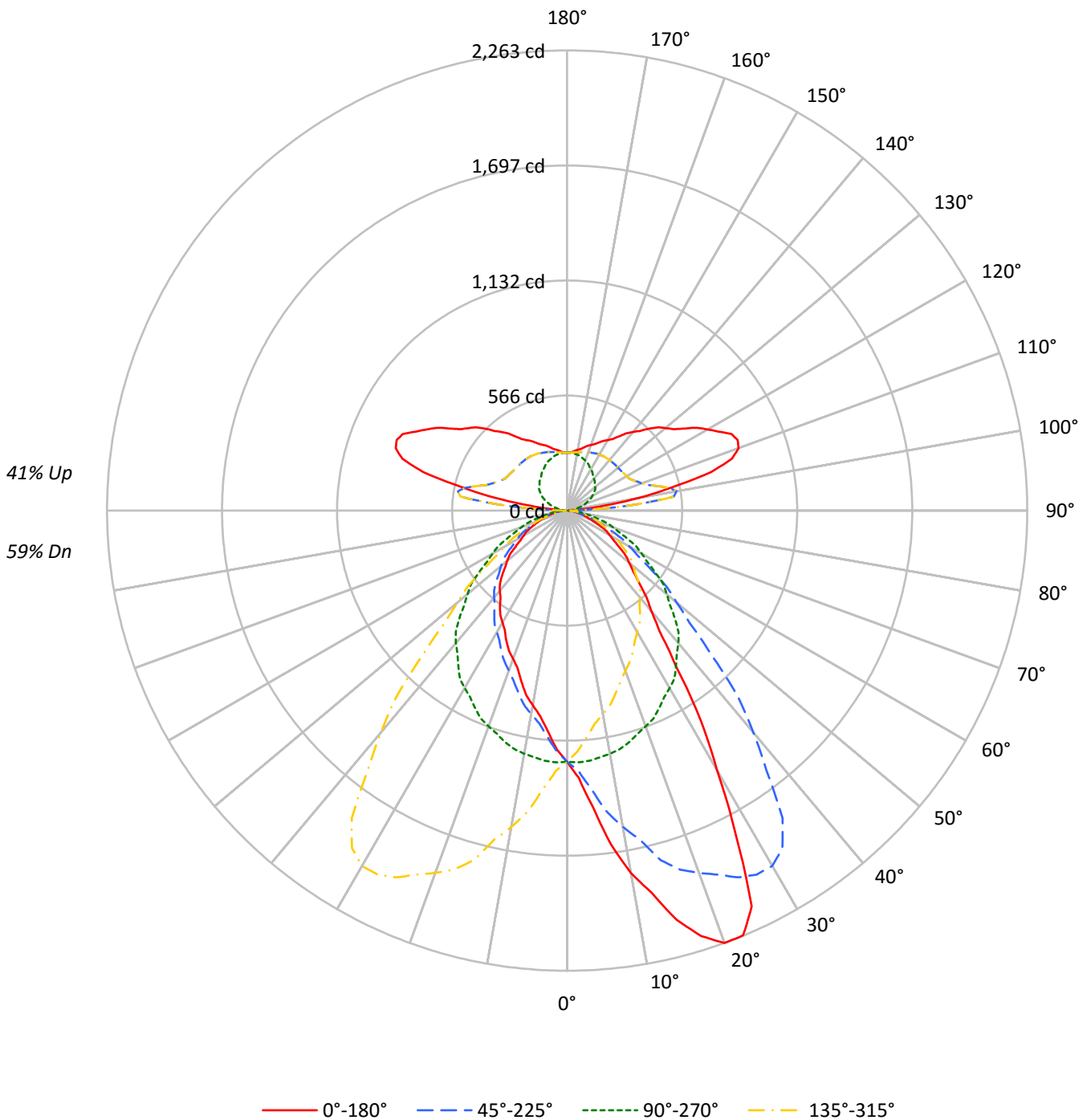
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59								
1	100	96	93	89	94	90	87	84	79	76	74	68	66	65	58	57	56	51								
2	92	85	79	74	86	80	75	70	70	66	62	60	58	55	52	50	48	44								
3	84	75	68	63	79	71	64	59	62	57	53	54	50	47	47	44	42	38								
4	78	67	59	54	72	63	56	51	56	50	46	49	44	41	42	39	36	33								
5	72	60	52	46	67	57	50	44	50	44	40	44	40	36	38	35	32	29								
6	66	54	46	41	62	51	44	39	45	40	35	40	35	32	35	31	29	26								
7	61	49	41	36	57	47	39	34	41	36	31	37	32	29	32	28	26	23								
8	57	45	37	32	53	42	36	31	38	32	28	34	29	26	30	26	23	21								
9	53	41	34	29	50	39	32	28	35	29	25	31	26	23	27	24	21	19								
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	25	22	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	2.3
10°-20°	379.5	7.3
20°-30°	596.1	11.4
30°-40°	621.9	11.9
40°-50°	532.3	10.2
50°-60°	405.7	7.8
60°-70°	260.0	5.0
70°-80°	125.1	2.4
80°-90°	35.3	0.7
90°-100°	158.3	3.0
100°-110°	448.4	8.6
110°-120°	441.1	8.5
120°-130°	351.8	6.7
130°-140°	277.4	5.3
140°-150°	207.0	4.0
150°-160°	144.3	2.8
160°-170°	84.8	1.6
170°-180°	27.6	0.5
0°-30°	1097.0	21.0
0°-40°	1719.0	32.9
0°-60°	2656.9	50.9
0°-90°	3077.3	59.0
90°-120°	1047.8	20.1
90°-150°	1884.1	36.1
90°-180°	2141.0	41.0
0°-180°	5218.1	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	9
95°	67	20	67	20	67	120
105°	733	67	733	67	733	723
115°	891	118	891	118	891	866
125°	703	164	703	164	703	637
135°	570	192	570	192	570	442
145°	445	219	445	219	445	283
155°	369	249	369	249	369	172
165°	322	272	322	272	322	92
175°	290	284	290	284	290	28
180°	285	285	285	285	285	



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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°	7.6	8.5	7.6	7.9	8.0	8.2	8.1	8.0	8.7	8.4	8.5
90°	16.7	17.3	16.7	16.2	16.7	15.6	14.9	14.4	13.8	14.4	12.6
92.5°	27.8	28.8	28.2	30.0	31.0	34.0	38.5	48.5	66.9	88.6	97.5
95°	66.9	69.1	73.1	78.4	89.3	110.0	140.6	207.3	277.0	341.5	304.2
97.5°	181.9	186.8	202.4	228.3	270.8	339.7	414.0	516.9	566.3	529.4	387.5
100°	361.1	360.6	383.0	425.1	483.2	565.0	632.5	679.1	658.9	545.4	368.6
102.5°	529.8	543.0	561.8	595.1	640.4	692.3	731.5	733.1	663.6	515.5	341.0
105°	732.7	735.6	754.0	775.9	802.3	817.4	806.4	748.8	628.4	463.1	307.0
107.5°	849.5	854.7	861.0	868.4	867.9	847.4	797.0	703.4	566.9	416.8	285.4
110°	897.4	898.6	899.7	895.1	879.0	838.7	766.1	660.0	528.2	390.5	277.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	907.1	906.9	902.5	888.2	858.7	806.9	725.5	617.2	494.5	373.0	272.5
115°	891.1	888.2	876.7	851.3	808.1	745.4	660.7	560.5	453.9	354.3	270.7
117.5°	840.1	836.3	819.6	790.6	745.6	681.9	605.8	519.3	429.4	343.2	271.8
120°	797.8	794.3	780.5	748.2	702.8	644.5	575.4	497.7	416.5	338.1	273.6
122.5°	758.1	753.8	738.5	709.5	669.0	615.0	551.0	480.6	405.9	334.9	276.8
125°	702.8	698.7	684.3	658.9	622.1	576.0	520.7	457.9	392.2	330.6	281.7
127.5°	657.1	653.4	640.4	618.7	585.9	544.0	494.1	438.1	380.3	328.5	287.2
130°	631.3	626.7	614.6	593.9	563.3	524.1	477.5	425.7	373.9	327.2	290.8
132.5°	605.9	602.7	592.0	571.3	542.6	505.2	461.8	414.1	367.8	326.7	293.7
135°	569.7	565.6	555.2	538.0	509.8	477.0	439.5	398.6	360.0	326.0	297.8
137.5°	531.3	528.7	519.9	502.4	478.7	450.2	418.0	384.5	353.3	324.8	300.5
140°	504.5	505.1	495.9	479.8	457.9	433.1	405.5	376.2	349.0	324.3	302.4
142.5°	479.7	480.3	472.0	457.7	439.0	417.5	393.5	368.3	345.4	323.4	303.8
145°	445.2	444.1	439.5	427.4	413.0	396.3	377.9	358.8	340.4	321.9	304.7
147.5°	416.9	416.5	412.0	403.8	392.9	381.1	366.2	351.1	335.6	319.8	304.7
150°	400.3	400.3	396.9	390.5	381.9	370.9	358.8	345.6	332.3	317.9	304.7
152.5°	386.5	386.5	384.5	378.5	371.7	362.6	351.9	340.5	328.7	315.7	303.4
155°	369.2	368.6	367.5	362.8	357.7	350.8	342.1	333.0	323.2	311.6	301.8
157.5°	353.5	353.6	352.6	349.2	344.7	339.3	332.5	324.9	316.9	308.0	299.8
160°	343.3	343.9	343.9	340.4	336.4	332.3	326.6	320.2	312.8	305.3	298.9
162.5°	334.1	334.7	334.7	331.6	329.0	325.5	320.1	314.8	308.6	302.6	297.1
165°	321.9	321.9	322.6	320.2	317.9	315.1	311.0	307.6	303.0	298.4	294.4
167.5°	310.4	310.4	311.0	309.4	308.4	306.3	304.0	301.3	297.6	294.2	291.5
170°	303.6	303.6	304.2	303.0	302.4	301.2	298.9	297.2	294.4	291.4	289.7
172.5°	297.1	297.6	298.6	297.4	297.3	296.6	294.8	293.6	291.1	289.1	288.3
175°	289.7	290.3	290.8	290.3	290.3	290.3	289.1	288.6	287.4	286.3	286.3
177.5°	285.5	285.5	286.4	285.9	286.4	286.4	285.9	285.5	285.0	284.6	285.0
180°	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6



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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°	9.0	8.2	8.7	8.5	9.5	9.6	11.9	13.7	14.4	12.9	13.3
90°	10.9	9.2	7.5	6.4	5.2	3.4	2.3	1.1	2.3	3.4	5.2
92.5°	73.1	48.4	33.3	24.7	19.9	15.5	10.6	7.2	10.6	15.5	19.9
95°	209.6	123.8	74.8	52.4	37.5	27.7	21.3	19.6	21.3	27.7	37.5
97.5°	230.0	133.3	86.5	62.2	47.5	39.0	34.0	33.4	34.0	39.0	47.5
100°	217.1	131.9	91.6	69.1	55.3	47.3	43.2	42.6	43.2	47.3	55.3
102.5°	206.1	133.7	97.6	77.0	64.5	57.0	53.3	52.3	53.3	57.0	64.5
105°	198.1	138.9	107.8	89.9	78.9	72.0	68.6	66.9	68.6	72.0	78.9
107.5°	197.5	148.2	121.0	104.4	94.1	87.4	84.0	82.2	84.0	87.4	94.1
110°	199.9	156.1	130.2	114.0	104.2	98.0	95.0	93.3	95.0	98.0	104.2



TEST NUMBER: P332308-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	204.5	163.9	139.9	124.2	114.4	108.1	105.2	103.4	105.2	108.1	114.4
115°	212.0	176.8	154.9	139.4	129.6	123.8	120.4	118.1	120.4	123.8	129.6
117.5°	221.9	190.6	168.8	154.5	143.5	138.3	135.3	132.7	135.3	138.3	143.5
120°	229.2	199.2	178.5	164.2	153.2	147.4	144.6	142.9	144.6	147.4	153.2
122.5°	236.2	208.5	188.2	172.9	162.4	156.2	153.3	151.6	153.3	156.2	162.4
125°	247.1	221.8	201.6	186.0	175.1	168.7	165.3	164.2	165.3	168.7	175.1
127.5°	256.1	233.3	213.8	198.2	186.1	179.8	175.4	173.7	175.4	179.8	186.1
130°	262.1	240.1	221.2	205.6	193.5	186.6	181.5	179.8	181.5	186.6	193.5
132.5°	267.6	246.2	227.6	212.6	200.5	192.2	186.5	184.3	186.5	192.2	200.5
135°	274.8	255.2	237.3	221.8	209.6	201.1	194.7	192.4	194.7	201.1	209.6
137.5°	280.0	261.4	244.2	229.8	217.8	208.6	202.4	200.0	202.4	208.6	217.8
140°	282.9	265.5	248.8	234.4	222.9	213.7	207.9	205.1	207.9	213.7	222.9
142.5°	285.6	268.7	252.6	239.0	227.5	219.2	213.0	210.6	213.0	219.2	227.5
145°	288.6	273.1	258.0	244.8	235.0	226.4	221.2	219.4	221.2	226.4	235.0
147.5°	290.4	276.5	262.8	251.5	242.1	234.6	229.4	228.4	229.4	234.6	242.1
150°	290.8	278.8	265.5	255.2	247.1	239.6	235.0	234.4	235.0	239.6	247.1
152.5°	291.9	280.1	268.7	258.8	251.8	245.2	240.5	240.4	240.5	245.2	251.8
155°	292.1	282.9	273.1	265.0	258.6	252.9	249.4	249.4	249.4	252.9	258.6
157.5°	292.7	284.3	276.5	270.2	264.9	259.7	257.0	256.5	257.0	259.7	264.9
160°	292.7	285.7	278.8	273.1	269.0	264.4	262.1	262.1	262.1	264.4	269.0
162.5°	292.2	286.2	280.1	275.3	271.8	268.1	266.2	266.2	266.2	268.1	271.8
165°	290.8	286.8	282.3	278.2	275.9	273.1	271.9	272.5	271.9	273.1	275.9
167.5°	289.9	286.7	283.4	280.8	279.2	277.0	276.5	277.2	276.5	277.0	279.2
170°	288.6	286.3	283.4	282.3	281.0	279.3	278.8	279.9	278.8	279.3	281.0
172.5°	288.1	286.3	283.9	283.2	282.5	281.2	281.0	281.8	281.0	281.2	282.5
175°	286.8	285.7	284.6	284.0	284.0	282.9	283.4	284.0	283.4	282.9	284.0
177.5°	285.9	285.0	284.6	284.6	284.6	284.1	284.6	285.0	284.6	284.1	284.6
180°	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6



TEST NUMBER: P332308-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A4

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°	13.1	14.6	15.3	16.2	17.0	16.9	17.2	17.3	17.8	17.9	18.2
90°	6.4	7.5	9.2	10.9	12.6	14.4	13.8	14.4	14.9	15.6	16.7
92.5°	24.7	33.3	48.4	73.1	97.5	88.6	66.9	48.5	38.5	34.0	31.0
95°	52.4	74.8	123.8	209.6	304.2	341.5	277.0	207.3	140.6	110.0	89.3
97.5°	62.2	86.5	133.3	230.0	387.5	529.4	566.3	516.9	414.0	339.7	270.8
100°	69.1	91.6	131.9	217.1	368.6	545.4	658.9	679.1	632.5	565.0	483.2
102.5°	77.0	97.6	133.7	206.1	341.0	515.5	663.6	733.1	731.5	692.3	640.4
105°	89.9	107.8	138.9	198.1	307.0	463.1	628.4	748.8	806.4	817.4	802.3
107.5°	104.4	121.0	148.2	197.5	285.4	416.8	566.9	703.4	797.0	847.4	867.9
110°	114.0	130.2	156.1	199.9	277.0	390.5	528.2	660.0	766.1	838.7	879.0



TEST NUMBER: P332308-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	124.2	139.9	163.9	204.5	272.5	373.0	494.5	617.2	725.5	806.9	858.7
115°	139.4	154.9	176.8	212.0	270.7	354.3	453.9	560.5	660.7	745.4	808.1
117.5°	154.5	168.8	190.6	221.9	271.8	343.2	429.4	519.3	605.8	681.9	745.6
120°	164.2	178.5	199.2	229.2	273.6	338.1	416.5	497.7	575.4	644.5	702.8
122.5°	172.9	188.2	208.5	236.2	276.8	334.9	405.9	480.6	551.0	615.0	669.0
125°	186.0	201.6	221.8	247.1	281.7	330.6	392.2	457.9	520.7	576.0	622.1
127.5°	198.2	213.8	233.3	256.1	287.2	328.5	380.3	438.1	494.1	544.0	585.9
130°	205.6	221.2	240.1	262.1	290.8	327.2	373.9	425.7	477.5	524.1	563.3
132.5°	212.6	227.6	246.2	267.6	293.7	326.7	367.8	414.1	461.8	505.2	542.6
135°	221.8	237.3	255.2	274.8	297.8	326.0	360.0	398.6	439.5	477.0	509.8
137.5°	229.8	244.2	261.4	280.0	300.5	324.8	353.3	384.5	418.0	450.2	478.7
140°	234.4	248.8	265.5	282.9	302.4	324.3	349.0	376.2	405.5	433.1	457.9
142.5°	239.0	252.6	268.7	285.6	303.8	323.4	345.4	368.3	393.5	417.5	439.0
145°	244.8	258.0	273.1	288.6	304.7	321.9	340.4	358.8	377.9	396.3	413.0
147.5°	251.5	262.8	276.5	290.4	304.7	319.8	335.6	351.1	366.2	381.1	392.9
150°	255.2	265.5	278.8	290.8	304.7	317.9	332.3	345.6	358.8	370.9	381.9
152.5°	258.8	268.7	280.1	291.9	303.4	315.7	328.7	340.5	351.9	362.6	371.7
155°	265.0	273.1	282.9	292.1	301.8	311.6	323.2	333.0	342.1	350.8	357.7
157.5°	270.2	276.5	284.3	292.7	299.8	308.0	316.9	324.9	332.5	339.3	344.7
160°	273.1	278.8	285.7	292.7	298.9	305.3	312.8	320.2	326.6	332.3	336.4
162.5°	275.3	280.1	286.2	292.2	297.1	302.6	308.6	314.8	320.1	325.5	329.0
165°	278.2	282.3	286.8	290.8	294.4	298.4	303.0	307.6	311.0	315.1	317.9
167.5°	280.8	283.4	286.7	289.9	291.5	294.2	297.6	301.3	304.0	306.3	308.4
170°	282.3	283.4	286.3	288.6	289.7	291.4	294.4	297.2	298.9	301.2	302.4
172.5°	283.2	283.9	286.3	288.1	288.3	289.1	291.1	293.6	294.8	296.6	297.3
175°	284.0	284.6	285.7	286.8	286.3	286.3	287.4	288.6	289.1	290.3	290.3
177.5°	284.6	284.6	285.0	285.9	285.0	284.6	285.0	285.5	285.9	286.4	286.4
180°	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6



TEST NUMBER: P332308-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A4

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°	18.9	18.2	18.3	18.6	18.3	18.2	18.9	18.2	17.9	17.8	17.3
90°	16.2	16.7	17.3	16.7	17.3	16.7	16.2	16.7	15.6	14.9	14.4
92.5°	30.0	28.2	28.8	27.8	28.8	28.2	30.0	31.0	34.0	38.5	48.5
95°	78.4	73.1	69.1	66.9	69.1	73.1	78.4	89.3	110.0	140.6	207.3
97.5°	228.3	202.4	186.8	181.9	186.8	202.4	228.3	270.8	339.7	414.0	516.9
100°	425.1	383.0	360.6	361.1	360.6	383.0	425.1	483.2	565.0	632.5	679.1
102.5°	595.1	561.8	543.0	529.8	543.0	561.8	595.1	640.4	692.3	731.5	733.1
105°	775.9	754.0	735.6	732.7	735.6	754.0	775.9	802.3	817.4	806.4	748.8
107.5°	868.4	861.0	854.7	849.5	854.7	861.0	868.4	867.9	847.4	797.0	703.4
110°	895.1	899.7	898.6	897.4	898.6	899.7	895.1	879.0	838.7	766.1	660.0



TEST NUMBER: P332308-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	888.2	902.5	906.9	907.1	906.9	902.5	888.2	858.7	806.9	725.5	617.2
115°	851.3	876.7	888.2	891.1	888.2	876.7	851.3	808.1	745.4	660.7	560.5
117.5°	790.6	819.6	836.3	840.1	836.3	819.6	790.6	745.6	681.9	605.8	519.3
120°	748.2	780.5	794.3	797.8	794.3	780.5	748.2	702.8	644.5	575.4	497.7
122.5°	709.5	738.5	753.8	758.1	753.8	738.5	709.5	669.0	615.0	551.0	480.6
125°	658.9	684.3	698.7	702.8	698.7	684.3	658.9	622.1	576.0	520.7	457.9
127.5°	618.7	640.4	653.4	657.1	653.4	640.4	618.7	585.9	544.0	494.1	438.1
130°	593.9	614.6	626.7	631.3	626.7	614.6	593.9	563.3	524.1	477.5	425.7
132.5°	571.3	592.0	602.7	605.9	602.7	592.0	571.3	542.6	505.2	461.8	414.1
135°	538.0	555.2	565.6	569.7	565.6	555.2	538.0	509.8	477.0	439.5	398.6
137.5°	502.4	519.9	528.7	531.3	528.7	519.9	502.4	478.7	450.2	418.0	384.5
140°	479.8	495.9	505.1	504.5	505.1	495.9	479.8	457.9	433.1	405.5	376.2
142.5°	457.7	472.0	480.3	479.7	480.3	472.0	457.7	439.0	417.5	393.5	368.3
145°	427.4	439.5	444.1	445.2	444.1	439.5	427.4	413.0	396.3	377.9	358.8
147.5°	403.8	412.0	416.5	416.9	416.5	412.0	403.8	392.9	381.1	366.2	351.1
150°	390.5	396.9	400.3	400.3	400.3	396.9	390.5	381.9	370.9	358.8	345.6
152.5°	378.5	384.5	386.5	386.5	386.5	384.5	378.5	371.7	362.6	351.9	340.5
155°	362.8	367.5	368.6	369.2	368.6	367.5	362.8	357.7	350.8	342.1	333.0
157.5°	349.2	352.6	353.6	353.5	353.6	352.6	349.2	344.7	339.3	332.5	324.9
160°	340.4	343.9	343.9	343.3	343.9	343.9	340.4	336.4	332.3	326.6	320.2
162.5°	331.6	334.7	334.7	334.1	334.7	334.7	331.6	329.0	325.5	320.1	314.8
165°	320.2	322.6	321.9	321.9	321.9	322.6	320.2	317.9	315.1	311.0	307.6
167.5°	309.4	311.0	310.4	310.4	310.4	311.0	309.4	308.4	306.3	304.0	301.3
170°	303.0	304.2	303.6	303.6	303.6	304.2	303.0	302.4	301.2	298.9	297.2
172.5°	297.4	298.6	297.6	297.1	297.6	298.6	297.4	297.3	296.6	294.8	293.6
175°	290.3	290.8	290.3	289.7	290.3	290.8	290.3	290.3	290.3	289.1	288.6
177.5°	285.9	286.4	285.5	285.5	285.5	286.4	285.9	286.4	286.4	285.9	285.5
180°	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6



TEST NUMBER: P332308-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A4

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°	17.2	16.9	17.0	16.2	15.3	14.6	13.1	13.3	12.9	14.4	13.7
90°	13.8	14.4	12.6	10.9	9.2	7.5	6.4	5.2	3.4	2.3	1.1
92.5°	66.9	88.6	97.5	73.1	48.4	33.3	24.7	19.9	15.5	10.6	7.2
95°	277.0	341.5	304.2	209.6	123.8	74.8	52.4	37.5	27.7	21.3	19.6
97.5°	566.3	529.4	387.5	230.0	133.3	86.5	62.2	47.5	39.0	34.0	33.4
100°	658.9	545.4	368.6	217.1	131.9	91.6	69.1	55.3	47.3	43.2	42.6
102.5°	663.6	515.5	341.0	206.1	133.7	97.6	77.0	64.5	57.0	53.3	52.3
105°	628.4	463.1	307.0	198.1	138.9	107.8	89.9	78.9	72.0	68.6	66.9
107.5°	566.9	416.8	285.4	197.5	148.2	121.0	104.4	94.1	87.4	84.0	82.2
110°	528.2	390.5	277.0	199.9	156.1	130.2	114.0	104.2	98.0	95.0	93.3



TEST NUMBER: P332308-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	494.5	373.0	272.5	204.5	163.9	139.9	124.2	114.4	108.1	105.2	103.4
115°	453.9	354.3	270.7	212.0	176.8	154.9	139.4	129.6	123.8	120.4	118.1
117.5°	429.4	343.2	271.8	221.9	190.6	168.8	154.5	143.5	138.3	135.3	132.7
120°	416.5	338.1	273.6	229.2	199.2	178.5	164.2	153.2	147.4	144.6	142.9
122.5°	405.9	334.9	276.8	236.2	208.5	188.2	172.9	162.4	156.2	153.3	151.6
125°	392.2	330.6	281.7	247.1	221.8	201.6	186.0	175.1	168.7	165.3	164.2
127.5°	380.3	328.5	287.2	256.1	233.3	213.8	198.2	186.1	179.8	175.4	173.7
130°	373.9	327.2	290.8	262.1	240.1	221.2	205.6	193.5	186.6	181.5	179.8
132.5°	367.8	326.7	293.7	267.6	246.2	227.6	212.6	200.5	192.2	186.5	184.3
135°	360.0	326.0	297.8	274.8	255.2	237.3	221.8	209.6	201.1	194.7	192.4
137.5°	353.3	324.8	300.5	280.0	261.4	244.2	229.8	217.8	208.6	202.4	200.0
140°	349.0	324.3	302.4	282.9	265.5	248.8	234.4	222.9	213.7	207.9	205.1
142.5°	345.4	323.4	303.8	285.6	268.7	252.6	239.0	227.5	219.2	213.0	210.6
145°	340.4	321.9	304.7	288.6	273.1	258.0	244.8	235.0	226.4	221.2	219.4
147.5°	335.6	319.8	304.7	290.4	276.5	262.8	251.5	242.1	234.6	229.4	228.4
150°	332.3	317.9	304.7	290.8	278.8	265.5	255.2	247.1	239.6	235.0	234.4
152.5°	328.7	315.7	303.4	291.9	280.1	268.7	258.8	251.8	245.2	240.5	240.4
155°	323.2	311.6	301.8	292.1	282.9	273.1	265.0	258.6	252.9	249.4	249.4
157.5°	316.9	308.0	299.8	292.7	284.3	276.5	270.2	264.9	259.7	257.0	256.5
160°	312.8	305.3	298.9	292.7	285.7	278.8	273.1	269.0	264.4	262.1	262.1
162.5°	308.6	302.6	297.1	292.2	286.2	280.1	275.3	271.8	268.1	266.2	266.2
165°	303.0	298.4	294.4	290.8	286.8	282.3	278.2	275.9	273.1	271.9	272.5
167.5°	297.6	294.2	291.5	289.9	286.7	283.4	280.8	279.2	277.0	276.5	277.2
170°	294.4	291.4	289.7	288.6	286.3	283.4	282.3	281.0	279.3	278.8	279.9
172.5°	291.1	289.1	288.3	288.1	286.3	283.9	283.2	282.5	281.2	281.0	281.8
175°	287.4	286.3	286.3	286.8	285.7	284.6	284.0	284.0	282.9	283.4	284.0
177.5°	285.0	284.6	285.0	285.9	285.0	284.6	284.6	284.6	284.1	284.6	285.0
180°	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6



TEST NUMBER: P332308-840

CATALOG NUMBER: S123RDIP-S775D585U840-4F0-1E-UDD-A4

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°	11.9	9.6	9.5	8.5	8.7	8.2	9.0	8.5	8.4	8.7	8.0
90°	2.3	3.4	5.2	6.4	7.5	9.2	10.9	12.6	14.4	13.8	14.4
92.5°	10.6	15.5	19.9	24.7	33.3	48.4	73.1	97.5	88.6	66.9	48.5
95°	21.3	27.7	37.5	52.4	74.8	123.8	209.6	304.2	341.5	277.0	207.3
97.5°	34.0	39.0	47.5	62.2	86.5	133.3	230.0	387.5	529.4	566.3	516.9
100°	43.2	47.3	55.3	69.1	91.6	131.9	217.1	368.6	545.4	658.9	679.1
102.5°	53.3	57.0	64.5	77.0	97.6	133.7	206.1	341.0	515.5	663.6	733.1
105°	68.6	72.0	78.9	89.9	107.8	138.9	198.1	307.0	463.1	628.4	748.8
107.5°	84.0	87.4	94.1	104.4	121.0	148.2	197.5	285.4	416.8	566.9	703.4
110°	95.0	98.0	104.2	114.0	130.2	156.1	199.9	277.0	390.5	528.2	660.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	105.2	108.1	114.4	124.2	139.9	163.9	204.5	272.5	373.0	494.5	617.2
115°	120.4	123.8	129.6	139.4	154.9	176.8	212.0	270.7	354.3	453.9	560.5
117.5°	135.3	138.3	143.5	154.5	168.8	190.6	221.9	271.8	343.2	429.4	519.3
120°	144.6	147.4	153.2	164.2	178.5	199.2	229.2	273.6	338.1	416.5	497.7
122.5°	153.3	156.2	162.4	172.9	188.2	208.5	236.2	276.8	334.9	405.9	480.6
125°	165.3	168.7	175.1	186.0	201.6	221.8	247.1	281.7	330.6	392.2	457.9
127.5°	175.4	179.8	186.1	198.2	213.8	233.3	256.1	287.2	328.5	380.3	438.1
130°	181.5	186.6	193.5	205.6	221.2	240.1	262.1	290.8	327.2	373.9	425.7
132.5°	186.5	192.2	200.5	212.6	227.6	246.2	267.6	293.7	326.7	367.8	414.1
135°	194.7	201.1	209.6	221.8	237.3	255.2	274.8	297.8	326.0	360.0	398.6
137.5°	202.4	208.6	217.8	229.8	244.2	261.4	280.0	300.5	324.8	353.3	384.5
140°	207.9	213.7	222.9	234.4	248.8	265.5	282.9	302.4	324.3	349.0	376.2
142.5°	213.0	219.2	227.5	239.0	252.6	268.7	285.6	303.8	323.4	345.4	368.3
145°	221.2	226.4	235.0	244.8	258.0	273.1	288.6	304.7	321.9	340.4	358.8
147.5°	229.4	234.6	242.1	251.5	262.8	276.5	290.4	304.7	319.8	335.6	351.1
150°	235.0	239.6	247.1	255.2	265.5	278.8	290.8	304.7	317.9	332.3	345.6
152.5°	240.5	245.2	251.8	258.8	268.7	280.1	291.9	303.4	315.7	328.7	340.5
155°	249.4	252.9	258.6	265.0	273.1	282.9	292.1	301.8	311.6	323.2	333.0
157.5°	257.0	259.7	264.9	270.2	276.5	284.3	292.7	299.8	308.0	316.9	324.9
160°	262.1	264.4	269.0	273.1	278.8	285.7	292.7	298.9	305.3	312.8	320.2
162.5°	266.2	268.1	271.8	275.3	280.1	286.2	292.2	297.1	302.6	308.6	314.8
165°	271.9	273.1	275.9	278.2	282.3	286.8	290.8	294.4	298.4	303.0	307.6
167.5°	276.5	277.0	279.2	280.8	283.4	286.7	289.9	291.5	294.2	297.6	301.3
170°	278.8	279.3	281.0	282.3	283.4	286.3	288.6	289.7	291.4	294.4	297.2
172.5°	281.0	281.2	282.5	283.2	283.9	286.3	288.1	288.3	289.1	291.1	293.6
175°	283.4	282.9	284.0	284.0	284.6	285.7	286.8	286.3	286.3	287.4	288.6
177.5°	284.6	284.1	284.6	284.6	284.6	285.0	285.9	285.0	284.6	285.0	285.5
180°	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6



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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°	8.1	8.2	8.0	7.9	7.6	8.5	7.6
90°	14.9	15.6	16.7	16.2	16.7	17.3	16.7
92.5°	38.5	34.0	31.0	30.0	28.2	28.8	27.8
95°	140.6	110.0	89.3	78.4	73.1	69.1	66.9
97.5°	414.0	339.7	270.8	228.3	202.4	186.8	181.9
100°	632.5	565.0	483.2	425.1	383.0	360.6	361.1
102.5°	731.5	692.3	640.4	595.1	561.8	543.0	529.8
105°	806.4	817.4	802.3	775.9	754.0	735.6	732.7
107.5°	797.0	847.4	867.9	868.4	861.0	854.7	849.5
110°	766.1	838.7	879.0	895.1	899.7	898.6	897.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	725.5	806.9	858.7	888.2	902.5	906.9	907.1
115°	660.7	745.4	808.1	851.3	876.7	888.2	891.1
117.5°	605.8	681.9	745.6	790.6	819.6	836.3	840.1
120°	575.4	644.5	702.8	748.2	780.5	794.3	797.8
122.5°	551.0	615.0	669.0	709.5	738.5	753.8	758.1
125°	520.7	576.0	622.1	658.9	684.3	698.7	702.8
127.5°	494.1	544.0	585.9	618.7	640.4	653.4	657.1
130°	477.5	524.1	563.3	593.9	614.6	626.7	631.3
132.5°	461.8	505.2	542.6	571.3	592.0	602.7	605.9
135°	439.5	477.0	509.8	538.0	555.2	565.6	569.7
137.5°	418.0	450.2	478.7	502.4	519.9	528.7	531.3
140°	405.5	433.1	457.9	479.8	495.9	505.1	504.5
142.5°	393.5	417.5	439.0	457.7	472.0	480.3	479.7
145°	377.9	396.3	413.0	427.4	439.5	444.1	445.2
147.5°	366.2	381.1	392.9	403.8	412.0	416.5	416.9
150°	358.8	370.9	381.9	390.5	396.9	400.3	400.3
152.5°	351.9	362.6	371.7	378.5	384.5	386.5	386.5
155°	342.1	350.8	357.7	362.8	367.5	368.6	369.2
157.5°	332.5	339.3	344.7	349.2	352.6	353.6	353.5
160°	326.6	332.3	336.4	340.4	343.9	343.9	343.3
162.5°	320.1	325.5	329.0	331.6	334.7	334.7	334.1
165°	311.0	315.1	317.9	320.2	322.6	321.9	321.9
167.5°	304.0	306.3	308.4	309.4	311.0	310.4	310.4
170°	298.9	301.2	302.4	303.0	304.2	303.6	303.6
172.5°	294.8	296.6	297.3	297.4	298.6	297.6	297.1
175°	289.1	290.3	290.3	290.3	290.8	290.3	289.7
177.5°	285.9	286.4	286.4	285.9	286.4	285.5	285.5
180°	284.6	284.6	284.6	284.6	284.6	284.6	284.6

(END OF REPORT)