

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: P332302-840

Luminaire Tested: **S123RDIP-S775D365U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332302-840  
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-S775D365U840-4F0-1E-UDD-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4402.8 lumens  
Efficiency: N/A  
Efficacy: 125.8 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

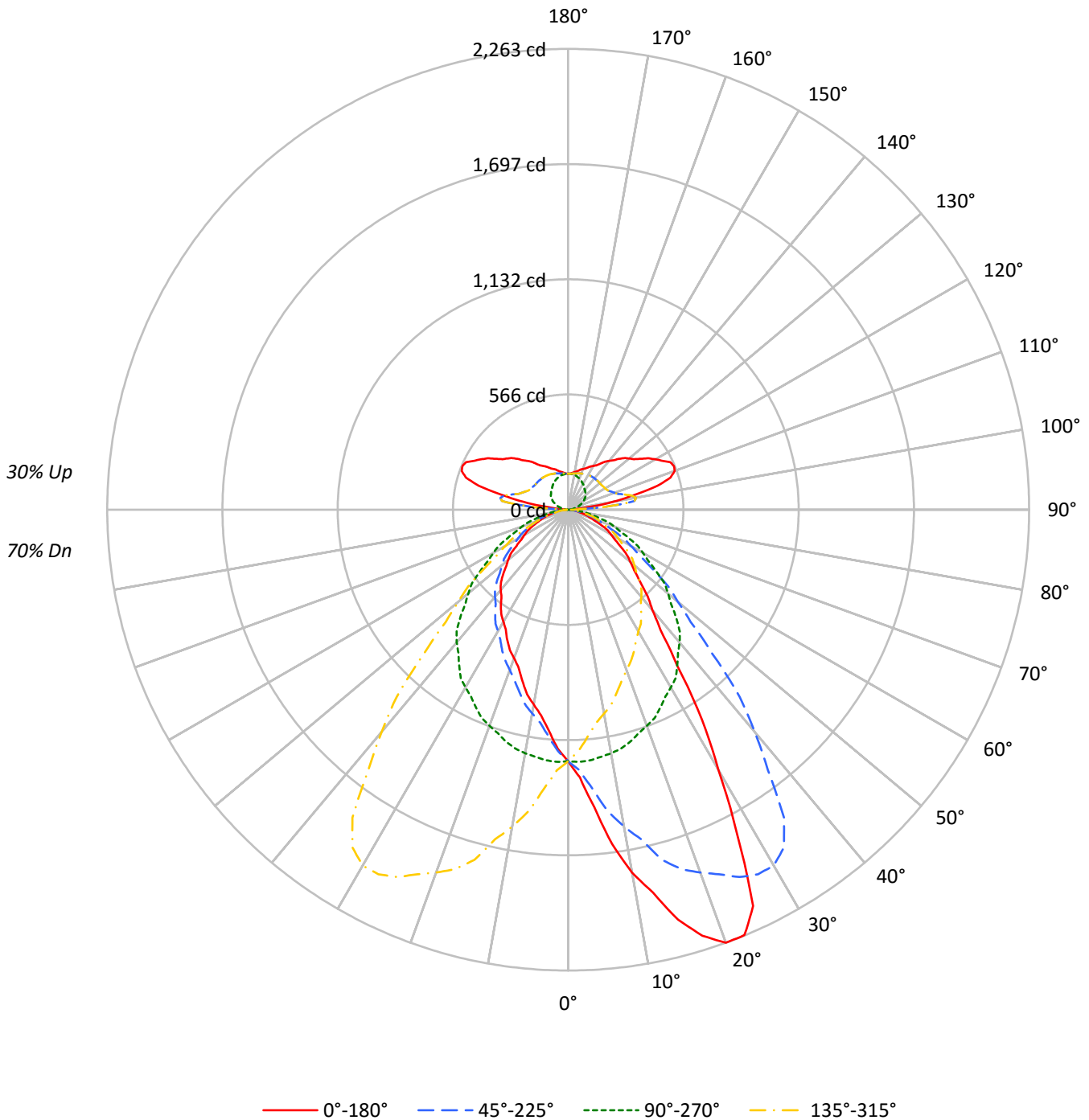
Input Watts (W): 35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

**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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	74	74	74	70		
1	103	99	95	92	97	94	91	88	84	82	79	75	73	72	67	66	64	64	64	64	64	64	64	61		
2	95	87	81	76	89	83	78	73	75	71	67	67	64	61	60	58	56	56	56	56	56	56	56	52		
3	87	78	70	65	82	74	67	62	67	62	57	60	56	53	54	51	48	48	48	48	48	48	48	45		
4	80	69	62	56	75	66	59	54	60	54	50	54	50	46	49	45	42	42	42	42	42	42	42	39		
5	74	62	54	48	70	59	52	47	54	48	43	49	44	40	44	40	37	37	37	37	37	37	37	35		
6	68	56	48	42	64	54	46	41	49	43	38	45	40	36	40	36	33	33	33	33	33	33	33	31		
7	63	51	43	38	60	49	42	37	45	39	34	41	36	32	37	33	30	30	30	30	30	30	30	28		
8	59	47	39	34	56	45	38	33	41	35	31	38	33	29	34	30	27	27	27	27	27	27	27	25		
9	55	43	35	30	52	41	34	29	38	32	28	35	30	26	32	28	25	25	25	25	25	25	25	23		
10	52	40	32	27	49	38	31	27	35	29	25	32	27	24	30	25	22	22	22	22	22	22	22	21		

**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



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.5	2.8
10°-20°	379.5	8.6
20°-30°	596.1	13.5
30°-40°	621.9	14.1
40°-50°	532.3	12.1
50°-60°	405.7	9.2
60°-70°	260.0	5.9
70°-80°	125.1	2.8
80°-90°	34.5	0.8
90°-100°	98.1	2.2
100°-110°	277.8	6.3
110°-120°	273.3	6.2
120°-130°	218.0	5.0
130°-140°	171.9	3.9
140°-150°	128.3	2.9
150°-160°	89.4	2.0
160°-170°	52.5	1.2
170°-180°	17.1	0.4
0°-30°	1097.0	24.9
0°-40°	1719.0	39.0
0°-60°	2656.9	60.3
0°-90°	3076.5	69.9
90°-120°	649.2	14.7
90°-150°	1167.3	26.5
90°-180°	1326.0	30.1
0°-180°	4402.8	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°	10	1	10	1	10	6
95°	41	12	41	12	41	75
105°	454	41	454	41	454	448
115°	552	73	552	73	552	536
125°	435	102	435	102	435	395
135°	353	119	353	119	353	274
145°	276	136	276	136	276	175
155°	229	154	229	154	229	107
165°	199	169	199	169	199	57
175°	180	176	180	176	180	17
180°	176	176	176	176	176	



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

**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°	6.3	7.2	6.3	6.7	6.8	7.0	7.0	6.9	7.7	7.3	7.5
90°	10.3	10.7	10.3	10.0	10.3	9.6	9.3	8.9	8.6	8.9	7.9
92.5°	17.2	17.9	17.5	18.6	19.2	21.0	23.8	30.1	41.4	54.8	60.4
95°	41.4	42.8	45.3	48.6	55.3	68.2	87.1	128.5	171.7	211.7	188.4
97.5°	112.7	115.7	125.4	141.5	167.8	210.5	256.5	320.2	350.8	328.0	240.1
100°	223.8	223.4	237.3	263.4	299.4	350.1	391.8	420.7	408.3	338.0	228.4
102.5°	328.2	336.5	348.1	368.7	396.8	428.9	453.2	454.1	411.1	319.4	211.3
105°	453.9	455.8	467.2	480.7	497.2	506.3	499.6	463.9	389.3	286.9	190.3
107.5°	526.3	529.6	533.4	538.1	537.8	525.0	493.7	435.8	351.2	258.2	176.8
110°	556.0	556.7	557.4	554.6	544.6	519.6	474.6	409.0	327.3	242.0	171.7



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	562.0	561.9	559.2	550.3	532.0	499.9	449.5	382.4	306.4	231.1	168.7
115°	552.1	550.3	543.1	527.5	500.7	461.8	409.3	347.2	281.2	219.4	167.7
117.5°	520.5	518.1	507.9	489.9	461.9	422.4	375.4	321.7	266.0	212.6	168.3
120°	494.2	492.1	483.5	463.5	435.4	399.3	356.5	308.3	258.0	209.4	169.6
122.5°	469.7	467.0	457.6	439.6	414.5	381.0	341.3	297.8	251.5	207.5	171.5
125°	435.4	432.9	423.9	408.3	385.5	356.9	322.7	283.7	243.1	204.8	174.5
127.5°	407.1	404.9	396.8	383.3	363.0	337.0	306.1	271.5	235.6	203.6	177.9
130°	391.1	388.3	380.8	367.9	349.0	324.8	295.9	263.7	231.6	202.7	180.3
132.5°	375.5	373.4	366.8	354.0	336.2	313.1	286.1	256.6	227.9	202.4	182.0
135°	352.9	350.4	344.1	333.4	315.8	295.5	272.3	246.9	223.1	202.0	184.5
137.5°	329.2	327.5	322.1	311.2	296.6	278.9	258.9	238.1	218.8	201.2	186.2
140°	312.7	313.0	307.3	297.3	283.7	268.3	251.3	233.1	216.2	201.0	187.3
142.5°	297.2	297.5	292.5	283.6	272.0	258.6	243.8	228.2	214.0	200.4	188.2
145°	275.9	275.2	272.3	264.8	255.9	245.5	234.1	222.4	210.9	199.4	188.7
147.5°	258.3	258.0	255.3	250.2	243.5	236.1	226.9	217.5	207.9	198.1	188.7
150°	248.0	248.0	245.9	242.0	236.6	229.8	222.4	214.1	205.9	197.0	188.7
152.5°	239.4	239.4	238.1	234.5	230.4	224.7	218.0	211.0	203.6	195.6	187.9
155°	228.7	228.4	227.7	224.8	221.6	217.3	212.0	206.3	200.2	193.1	187.0
157.5°	218.9	219.0	218.4	216.3	213.6	210.2	206.0	201.3	196.3	190.9	185.8
160°	212.7	213.1	213.1	210.9	208.4	205.9	202.4	198.4	193.8	189.1	185.2
162.5°	207.0	207.3	207.3	205.5	203.9	201.7	198.3	195.0	191.2	187.4	184.1
165°	199.4	199.4	199.9	198.4	197.0	195.2	192.7	190.6	187.7	184.9	182.4
167.5°	192.4	192.4	192.7	191.7	191.1	189.8	188.3	186.7	184.4	182.3	180.7
170°	188.0	188.0	188.4	187.7	187.3	186.6	185.2	184.1	182.4	180.6	179.6
172.5°	184.1	184.4	185.0	184.3	184.2	183.8	182.7	181.9	180.4	179.2	178.6
175°	179.6	179.9	180.3	179.9	179.9	179.9	179.2	178.7	178.0	177.3	177.3
177.5°	176.8	176.8	177.4	177.1	177.4	177.4	177.1	176.8	176.6	176.3	176.6
180°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

**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°	8.1	7.5	8.1	8.0	9.1	9.3	11.7	13.6	14.2	12.7	12.9
90°	6.8	5.8	4.6	3.9	3.2	2.1	1.4	0.7	1.4	2.1	3.2
92.5°	45.3	30.0	20.6	15.3	12.3	9.6	6.6	4.4	6.6	9.6	12.3
95°	129.9	76.7	46.4	32.5	23.2	17.2	13.2	12.1	13.2	17.2	23.2
97.5°	142.5	82.6	53.6	38.6	29.4	24.1	21.0	20.7	21.0	24.1	29.4
100°	134.5	81.7	56.8	42.8	34.2	29.3	26.8	26.5	26.8	29.3	34.2
102.5°	127.6	82.9	60.5	47.7	40.0	35.2	33.0	32.4	33.0	35.2	40.0
105°	122.8	86.0	66.8	55.6	48.9	44.6	42.5	41.4	42.5	44.6	48.9
107.5°	122.4	91.9	74.9	64.6	58.3	54.1	52.0	51.0	52.0	54.1	58.3
110°	123.8	96.7	80.7	70.7	64.6	60.7	58.9	57.8	58.9	60.7	64.6





TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	126.7	101.6	86.6	77.0	70.9	67.0	65.1	64.1	65.1	67.0	70.9
115°	131.3	109.6	96.0	86.3	80.3	76.7	74.6	73.1	74.6	76.7	80.3
117.5°	137.4	118.1	104.6	95.7	89.0	85.6	83.8	82.2	83.8	85.6	89.0
120°	142.0	123.5	110.6	101.7	94.9	91.4	89.6	88.5	89.6	91.4	94.9
122.5°	146.3	129.2	116.6	107.1	100.7	96.7	95.0	93.9	95.0	96.7	100.7
125°	153.1	137.4	124.9	115.2	108.5	104.5	102.4	101.7	102.4	104.5	108.5
127.5°	158.6	144.5	132.5	122.8	115.3	111.4	108.7	107.7	108.7	111.4	115.3
130°	162.4	148.9	137.0	127.4	119.9	115.6	112.4	111.4	112.4	115.6	119.9
132.5°	165.8	152.5	141.1	131.7	124.2	119.1	115.5	114.2	115.5	119.1	124.2
135°	170.3	158.0	147.0	137.4	129.9	124.5	120.6	119.2	120.6	124.5	129.9
137.5°	173.5	162.0	151.3	142.4	134.9	129.3	125.4	123.9	125.4	129.3	134.9
140°	175.2	164.5	154.2	145.2	138.1	132.4	128.9	127.0	128.9	132.4	138.1
142.5°	176.9	166.5	156.4	148.1	141.0	135.8	132.0	130.5	132.0	135.8	141.0
145°	178.7	169.2	159.9	151.7	145.6	140.3	137.0	135.9	137.0	140.3	145.6
147.5°	180.0	171.3	162.8	155.8	150.0	145.3	142.2	141.6	142.2	145.3	150.0
150°	180.3	172.7	164.5	158.0	153.1	148.5	145.6	145.2	145.6	148.5	153.1
152.5°	180.8	173.6	166.5	160.4	155.9	151.9	149.1	149.0	149.1	151.9	155.9
155°	181.0	175.2	169.2	164.2	160.3	156.6	154.5	154.5	154.5	156.6	160.3
157.5°	181.3	176.1	171.3	167.4	164.1	161.0	159.3	159.0	159.3	161.0	164.1
160°	181.3	177.0	172.7	169.2	166.6	163.8	162.4	162.4	162.4	163.8	166.6
162.5°	181.0	177.3	173.6	170.6	168.3	166.1	164.9	164.9	164.9	166.1	168.3
165°	180.3	177.7	174.9	172.4	171.0	169.2	168.4	168.7	168.4	169.2	171.0
167.5°	179.7	177.6	175.6	174.0	173.0	171.7	171.3	171.7	171.3	171.7	173.0
170°	178.7	177.3	175.6	174.9	174.1	173.1	172.7	173.4	172.7	173.1	174.1
172.5°	178.5	177.3	175.8	175.4	175.0	174.2	174.1	174.6	174.1	174.2	175.0
175°	177.7	177.0	176.3	175.9	175.9	175.2	175.6	175.9	175.6	175.2	175.9
177.5°	177.1	176.6	176.3	176.3	176.3	176.0	176.3	176.6	176.3	176.0	176.3
180°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-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°	12.6	14.0	14.6	15.3	16.0	15.8	16.1	16.2	16.7	16.8	16.9
90°	3.9	4.6	5.8	6.8	7.9	8.9	8.6	8.9	9.3	9.6	10.3
92.5°	15.3	20.6	30.0	45.3	60.4	54.8	41.4	30.1	23.8	21.0	19.2
95°	32.5	46.4	76.7	129.9	188.4	211.7	171.7	128.5	87.1	68.2	55.3
97.5°	38.6	53.6	82.6	142.5	240.1	328.0	350.8	320.2	256.5	210.5	167.8
100°	42.8	56.8	81.7	134.5	228.4	338.0	408.3	420.7	391.8	350.1	299.4
102.5°	47.7	60.5	82.9	127.6	211.3	319.4	411.1	454.1	453.2	428.9	396.8
105°	55.6	66.8	86.0	122.8	190.3	286.9	389.3	463.9	499.6	506.3	497.2
107.5°	64.6	74.9	91.9	122.4	176.8	258.2	351.2	435.8	493.7	525.0	537.8
110°	70.7	80.7	96.7	123.8	171.7	242.0	327.3	409.0	474.6	519.6	544.6



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	77.0	86.6	101.6	126.7	168.7	231.1	306.4	382.4	449.5	499.9	532.0
115°	86.3	96.0	109.6	131.3	167.7	219.4	281.2	347.2	409.3	461.8	500.7
117.5°	95.7	104.6	118.1	137.4	168.3	212.6	266.0	321.7	375.4	422.4	461.9
120°	101.7	110.6	123.5	142.0	169.6	209.4	258.0	308.3	356.5	399.3	435.4
122.5°	107.1	116.6	129.2	146.3	171.5	207.5	251.5	297.8	341.3	381.0	414.5
125°	115.2	124.9	137.4	153.1	174.5	204.8	243.1	283.7	322.7	356.9	385.5
127.5°	122.8	132.5	144.5	158.6	177.9	203.6	235.6	271.5	306.1	337.0	363.0
130°	127.4	137.0	148.9	162.4	180.3	202.7	231.6	263.7	295.9	324.8	349.0
132.5°	131.7	141.1	152.5	165.8	182.0	202.4	227.9	256.6	286.1	313.1	336.2
135°	137.4	147.0	158.0	170.3	184.5	202.0	223.1	246.9	272.3	295.5	315.8
137.5°	142.4	151.3	162.0	173.5	186.2	201.2	218.8	238.1	258.9	278.9	296.6
140°	145.2	154.2	164.5	175.2	187.3	201.0	216.2	233.1	251.3	268.3	283.7
142.5°	148.1	156.4	166.5	176.9	188.2	200.4	214.0	228.2	243.8	258.6	272.0
145°	151.7	159.9	169.2	178.7	188.7	199.4	210.9	222.4	234.1	245.5	255.9
147.5°	155.8	162.8	171.3	180.0	188.7	198.1	207.9	217.5	226.9	236.1	243.5
150°	158.0	164.5	172.7	180.3	188.7	197.0	205.9	214.1	222.4	229.8	236.6
152.5°	160.4	166.5	173.6	180.8	187.9	195.6	203.6	211.0	218.0	224.7	230.4
155°	164.2	169.2	175.2	181.0	187.0	193.1	200.2	206.3	212.0	217.3	221.6
157.5°	167.4	171.3	176.1	181.3	185.8	190.9	196.3	201.3	206.0	210.2	213.6
160°	169.2	172.7	177.0	181.3	185.2	189.1	193.8	198.4	202.4	205.9	208.4
162.5°	170.6	173.6	177.3	181.0	184.1	187.4	191.2	195.0	198.3	201.7	203.9
165°	172.4	174.9	177.7	180.3	182.4	184.9	187.7	190.6	192.7	195.2	197.0
167.5°	174.0	175.6	177.6	179.7	180.7	182.3	184.4	186.7	188.3	189.8	191.1
170°	174.9	175.6	177.3	178.7	179.6	180.6	182.4	184.1	185.2	186.6	187.3
172.5°	175.4	175.8	177.3	178.5	178.6	179.2	180.4	181.9	182.7	183.8	184.2
175°	175.9	176.3	177.0	177.7	177.3	177.3	178.0	178.7	179.2	179.9	179.9
177.5°	176.3	176.3	176.6	177.1	176.6	176.3	176.6	176.8	177.1	177.4	177.4
180°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-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°	17.7	16.9	17.0	17.3	17.0	16.9	17.7	16.9	16.8	16.7	16.2
90°	10.0	10.3	10.7	10.3	10.7	10.3	10.0	10.3	9.6	9.3	8.9
92.5°	18.6	17.5	17.9	17.2	17.9	17.5	18.6	19.2	21.0	23.8	30.1
95°	48.6	45.3	42.8	41.4	42.8	45.3	48.6	55.3	68.2	87.1	128.5
97.5°	141.5	125.4	115.7	112.7	115.7	125.4	141.5	167.8	210.5	256.5	320.2
100°	263.4	237.3	223.4	223.8	223.4	237.3	263.4	299.4	350.1	391.8	420.7
102.5°	368.7	348.1	336.5	328.2	336.5	348.1	368.7	396.8	428.9	453.2	454.1
105°	480.7	467.2	455.8	453.9	455.8	467.2	480.7	497.2	506.3	499.6	463.9
107.5°	538.1	533.4	529.6	526.3	529.6	533.4	538.1	537.8	525.0	493.7	435.8
110°	554.6	557.4	556.7	556.0	556.7	557.4	554.6	544.6	519.6	474.6	409.0



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	550.3	559.2	561.9	562.0	561.9	559.2	550.3	532.0	499.9	449.5	382.4
115°	527.5	543.1	550.3	552.1	550.3	543.1	527.5	500.7	461.8	409.3	347.2
117.5°	489.9	507.9	518.1	520.5	518.1	507.9	489.9	461.9	422.4	375.4	321.7
120°	463.5	483.5	492.1	494.2	492.1	483.5	463.5	435.4	399.3	356.5	308.3
122.5°	439.6	457.6	467.0	469.7	467.0	457.6	439.6	414.5	381.0	341.3	297.8
125°	408.3	423.9	432.9	435.4	432.9	423.9	408.3	385.5	356.9	322.7	283.7
127.5°	383.3	396.8	404.9	407.1	404.9	396.8	383.3	363.0	337.0	306.1	271.5
130°	367.9	380.8	388.3	391.1	388.3	380.8	367.9	349.0	324.8	295.9	263.7
132.5°	354.0	366.8	373.4	375.5	373.4	366.8	354.0	336.2	313.1	286.1	256.6
135°	333.4	344.1	350.4	352.9	350.4	344.1	333.4	315.8	295.5	272.3	246.9
137.5°	311.2	322.1	327.5	329.2	327.5	322.1	311.2	296.6	278.9	258.9	238.1
140°	297.3	307.3	313.0	312.7	313.0	307.3	297.3	283.7	268.3	251.3	233.1
142.5°	283.6	292.5	297.5	297.2	297.5	292.5	283.6	272.0	258.6	243.8	228.2
145°	264.8	272.3	275.2	275.9	275.2	272.3	264.8	255.9	245.5	234.1	222.4
147.5°	250.2	255.3	258.0	258.3	258.0	255.3	250.2	243.5	236.1	226.9	217.5
150°	242.0	245.9	248.0	248.0	248.0	245.9	242.0	236.6	229.8	222.4	214.1
152.5°	234.5	238.1	239.4	239.4	239.4	238.1	234.5	230.4	224.7	218.0	211.0
155°	224.8	227.7	228.4	228.7	228.4	227.7	224.8	221.6	217.3	212.0	206.3
157.5°	216.3	218.4	219.0	218.9	219.0	218.4	216.3	213.6	210.2	206.0	201.3
160°	210.9	213.1	213.1	212.7	213.1	213.1	210.9	208.4	205.9	202.4	198.4
162.5°	205.5	207.3	207.3	207.0	207.3	207.3	205.5	203.9	201.7	198.3	195.0
165°	198.4	199.9	199.4	199.4	199.4	199.9	198.4	197.0	195.2	192.7	190.6
167.5°	191.7	192.7	192.4	192.4	192.4	192.7	191.7	191.1	189.8	188.3	186.7
170°	187.7	188.4	188.0	188.0	188.0	188.4	187.7	187.3	186.6	185.2	184.1
172.5°	184.3	185.0	184.4	184.1	184.4	185.0	184.3	184.2	183.8	182.7	181.9
175°	179.9	180.3	179.9	179.6	179.9	180.3	179.9	179.9	179.9	179.2	178.7
177.5°	177.1	177.4	176.8	176.8	176.8	177.4	177.1	177.4	177.4	177.1	176.8
180°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-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°	16.1	15.8	16.0	15.3	14.6	14.0	12.6	12.9	12.7	14.2	13.6
90°	8.6	8.9	7.9	6.8	5.8	4.6	3.9	3.2	2.1	1.4	0.7
92.5°	41.4	54.8	60.4	45.3	30.0	20.6	15.3	12.3	9.6	6.6	4.4
95°	171.7	211.7	188.4	129.9	76.7	46.4	32.5	23.2	17.2	13.2	12.1
97.5°	350.8	328.0	240.1	142.5	82.6	53.6	38.6	29.4	24.1	21.0	20.7
100°	408.3	338.0	228.4	134.5	81.7	56.8	42.8	34.2	29.3	26.8	26.5
102.5°	411.1	319.4	211.3	127.6	82.9	60.5	47.7	40.0	35.2	33.0	32.4
105°	389.3	286.9	190.3	122.8	86.0	66.8	55.6	48.9	44.6	42.5	41.4
107.5°	351.2	258.2	176.8	122.4	91.9	74.9	64.6	58.3	54.1	52.0	51.0
110°	327.3	242.0	171.7	123.8	96.7	80.7	70.7	64.6	60.7	58.9	57.8



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	306.4	231.1	168.7	126.7	101.6	86.6	77.0	70.9	67.0	65.1	64.1
115°	281.2	219.4	167.7	131.3	109.6	96.0	86.3	80.3	76.7	74.6	73.1
117.5°	266.0	212.6	168.3	137.4	118.1	104.6	95.7	89.0	85.6	83.8	82.2
120°	258.0	209.4	169.6	142.0	123.5	110.6	101.7	94.9	91.4	89.6	88.5
122.5°	251.5	207.5	171.5	146.3	129.2	116.6	107.1	100.7	96.7	95.0	93.9
125°	243.1	204.8	174.5	153.1	137.4	124.9	115.2	108.5	104.5	102.4	101.7
127.5°	235.6	203.6	177.9	158.6	144.5	132.5	122.8	115.3	111.4	108.7	107.7
130°	231.6	202.7	180.3	162.4	148.9	137.0	127.4	119.9	115.6	112.4	111.4
132.5°	227.9	202.4	182.0	165.8	152.5	141.1	131.7	124.2	119.1	115.5	114.2
135°	223.1	202.0	184.5	170.3	158.0	147.0	137.4	129.9	124.5	120.6	119.2
137.5°	218.8	201.2	186.2	173.5	162.0	151.3	142.4	134.9	129.3	125.4	123.9
140°	216.2	201.0	187.3	175.2	164.5	154.2	145.2	138.1	132.4	128.9	127.0
142.5°	214.0	200.4	188.2	176.9	166.5	156.4	148.1	141.0	135.8	132.0	130.5
145°	210.9	199.4	188.7	178.7	169.2	159.9	151.7	145.6	140.3	137.0	135.9
147.5°	207.9	198.1	188.7	180.0	171.3	162.8	155.8	150.0	145.3	142.2	141.6
150°	205.9	197.0	188.7	180.3	172.7	164.5	158.0	153.1	148.5	145.6	145.2
152.5°	203.6	195.6	187.9	180.8	173.6	166.5	160.4	155.9	151.9	149.1	149.0
155°	200.2	193.1	187.0	181.0	175.2	169.2	164.2	160.3	156.6	154.5	154.5
157.5°	196.3	190.9	185.8	181.3	176.1	171.3	167.4	164.1	161.0	159.3	159.0
160°	193.8	189.1	185.2	181.3	177.0	172.7	169.2	166.6	163.8	162.4	162.4
162.5°	191.2	187.4	184.1	181.0	177.3	173.6	170.6	168.3	166.1	164.9	164.9
165°	187.7	184.9	182.4	180.3	177.7	174.9	172.4	171.0	169.2	168.4	168.7
167.5°	184.4	182.3	180.7	179.7	177.6	175.6	174.0	173.0	171.7	171.3	171.7
170°	182.4	180.6	179.6	178.7	177.3	175.6	174.9	174.1	173.1	172.7	173.4
172.5°	180.4	179.2	178.6	178.5	177.3	175.8	175.4	175.0	174.2	174.1	174.6
175°	178.0	177.3	177.3	177.7	177.0	176.3	175.9	175.9	175.2	175.6	175.9
177.5°	176.6	176.3	176.6	177.1	176.6	176.3	176.3	176.3	176.0	176.3	176.6
180°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-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°	11.7	9.3	9.1	8.0	8.1	7.5	8.1	7.5	7.3	7.7	6.9
90°	1.4	2.1	3.2	3.9	4.6	5.8	6.8	7.9	8.9	8.6	8.9
92.5°	6.6	9.6	12.3	15.3	20.6	30.0	45.3	60.4	54.8	41.4	30.1
95°	13.2	17.2	23.2	32.5	46.4	76.7	129.9	188.4	211.7	171.7	128.5
97.5°	21.0	24.1	29.4	38.6	53.6	82.6	142.5	240.1	328.0	350.8	320.2
100°	26.8	29.3	34.2	42.8	56.8	81.7	134.5	228.4	338.0	408.3	420.7
102.5°	33.0	35.2	40.0	47.7	60.5	82.9	127.6	211.3	319.4	411.1	454.1
105°	42.5	44.6	48.9	55.6	66.8	86.0	122.8	190.3	286.9	389.3	463.9
107.5°	52.0	54.1	58.3	64.6	74.9	91.9	122.4	176.8	258.2	351.2	435.8
110°	58.9	60.7	64.6	70.7	80.7	96.7	123.8	171.7	242.0	327.3	409.0





TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	65.1	67.0	70.9	77.0	86.6	101.6	126.7	168.7	231.1	306.4	382.4
115°	74.6	76.7	80.3	86.3	96.0	109.6	131.3	167.7	219.4	281.2	347.2
117.5°	83.8	85.6	89.0	95.7	104.6	118.1	137.4	168.3	212.6	266.0	321.7
120°	89.6	91.4	94.9	101.7	110.6	123.5	142.0	169.6	209.4	258.0	308.3
122.5°	95.0	96.7	100.7	107.1	116.6	129.2	146.3	171.5	207.5	251.5	297.8
125°	102.4	104.5	108.5	115.2	124.9	137.4	153.1	174.5	204.8	243.1	283.7
127.5°	108.7	111.4	115.3	122.8	132.5	144.5	158.6	177.9	203.6	235.6	271.5
130°	112.4	115.6	119.9	127.4	137.0	148.9	162.4	180.3	202.7	231.6	263.7
132.5°	115.5	119.1	124.2	131.7	141.1	152.5	165.8	182.0	202.4	227.9	256.6
135°	120.6	124.5	129.9	137.4	147.0	158.0	170.3	184.5	202.0	223.1	246.9
137.5°	125.4	129.3	134.9	142.4	151.3	162.0	173.5	186.2	201.2	218.8	238.1
140°	128.9	132.4	138.1	145.2	154.2	164.5	175.2	187.3	201.0	216.2	233.1
142.5°	132.0	135.8	141.0	148.1	156.4	166.5	176.9	188.2	200.4	214.0	228.2
145°	137.0	140.3	145.6	151.7	159.9	169.2	178.7	188.7	199.4	210.9	222.4
147.5°	142.2	145.3	150.0	155.8	162.8	171.3	180.0	188.7	198.1	207.9	217.5
150°	145.6	148.5	153.1	158.0	164.5	172.7	180.3	188.7	197.0	205.9	214.1
152.5°	149.1	151.9	155.9	160.4	166.5	173.6	180.8	187.9	195.6	203.6	211.0
155°	154.5	156.6	160.3	164.2	169.2	175.2	181.0	187.0	193.1	200.2	206.3
157.5°	159.3	161.0	164.1	167.4	171.3	176.1	181.3	185.8	190.9	196.3	201.3
160°	162.4	163.8	166.6	169.2	172.7	177.0	181.3	185.2	189.1	193.8	198.4
162.5°	164.9	166.1	168.3	170.6	173.6	177.3	181.0	184.1	187.4	191.2	195.0
165°	168.4	169.2	171.0	172.4	174.9	177.7	180.3	182.4	184.9	187.7	190.6
167.5°	171.3	171.7	173.0	174.0	175.6	177.6	179.7	180.7	182.3	184.4	186.7
170°	172.7	173.1	174.1	174.9	175.6	177.3	178.7	179.6	180.6	182.4	184.1
172.5°	174.1	174.2	175.0	175.4	175.8	177.3	178.5	178.6	179.2	180.4	181.9
175°	175.6	175.2	175.9	175.9	176.3	177.0	177.7	177.3	177.3	178.0	178.7
177.5°	176.3	176.0	176.3	176.3	176.3	176.6	177.1	176.6	176.3	176.6	176.8
180°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

**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°	7.0	7.0	6.8	6.7	6.3	7.2	6.3
90°	9.3	9.6	10.3	10.0	10.3	10.7	10.3
92.5°	23.8	21.0	19.2	18.6	17.5	17.9	17.2
95°	87.1	68.2	55.3	48.6	45.3	42.8	41.4
97.5°	256.5	210.5	167.8	141.5	125.4	115.7	112.7
100°	391.8	350.1	299.4	263.4	237.3	223.4	223.8
102.5°	453.2	428.9	396.8	368.7	348.1	336.5	328.2
105°	499.6	506.3	497.2	480.7	467.2	455.8	453.9
107.5°	493.7	525.0	537.8	538.1	533.4	529.6	526.3
110°	474.6	519.6	544.6	554.6	557.4	556.7	556.0



TEST NUMBER: P332302-840

CATALOG NUMBER: S123RDIP-S775D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	449.5	499.9	532.0	550.3	559.2	561.9	562.0
115°	409.3	461.8	500.7	527.5	543.1	550.3	552.1
117.5°	375.4	422.4	461.9	489.9	507.9	518.1	520.5
120°	356.5	399.3	435.4	463.5	483.5	492.1	494.2
122.5°	341.3	381.0	414.5	439.6	457.6	467.0	469.7
125°	322.7	356.9	385.5	408.3	423.9	432.9	435.4
127.5°	306.1	337.0	363.0	383.3	396.8	404.9	407.1
130°	295.9	324.8	349.0	367.9	380.8	388.3	391.1
132.5°	286.1	313.1	336.2	354.0	366.8	373.4	375.5
135°	272.3	295.5	315.8	333.4	344.1	350.4	352.9
137.5°	258.9	278.9	296.6	311.2	322.1	327.5	329.2
140°	251.3	268.3	283.7	297.3	307.3	313.0	312.7
142.5°	243.8	258.6	272.0	283.6	292.5	297.5	297.2
145°	234.1	245.5	255.9	264.8	272.3	275.2	275.9
147.5°	226.9	236.1	243.5	250.2	255.3	258.0	258.3
150°	222.4	229.8	236.6	242.0	245.9	248.0	248.0
152.5°	218.0	224.7	230.4	234.5	238.1	239.4	239.4
155°	212.0	217.3	221.6	224.8	227.7	228.4	228.7
157.5°	206.0	210.2	213.6	216.3	218.4	219.0	218.9
160°	202.4	205.9	208.4	210.9	213.1	213.1	212.7
162.5°	198.3	201.7	203.9	205.5	207.3	207.3	207.0
165°	192.7	195.2	197.0	198.4	199.9	199.4	199.4
167.5°	188.3	189.8	191.1	191.7	192.7	192.4	192.4
170°	185.2	186.6	187.3	187.7	188.4	188.0	188.0
172.5°	182.7	183.8	184.2	184.3	185.0	184.4	184.1
175°	179.2	179.9	179.9	179.9	180.3	179.9	179.6
177.5°	177.1	177.4	177.4	177.1	177.4	176.8	176.8
180°	176.3	176.3	176.3	176.3	176.3	176.3	176.3

(END OF REPORT)