

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: P333612-935

Luminaire Tested: **S125RDIP-S1270D365U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333612-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S1270D365U935-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 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: 5368.6 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

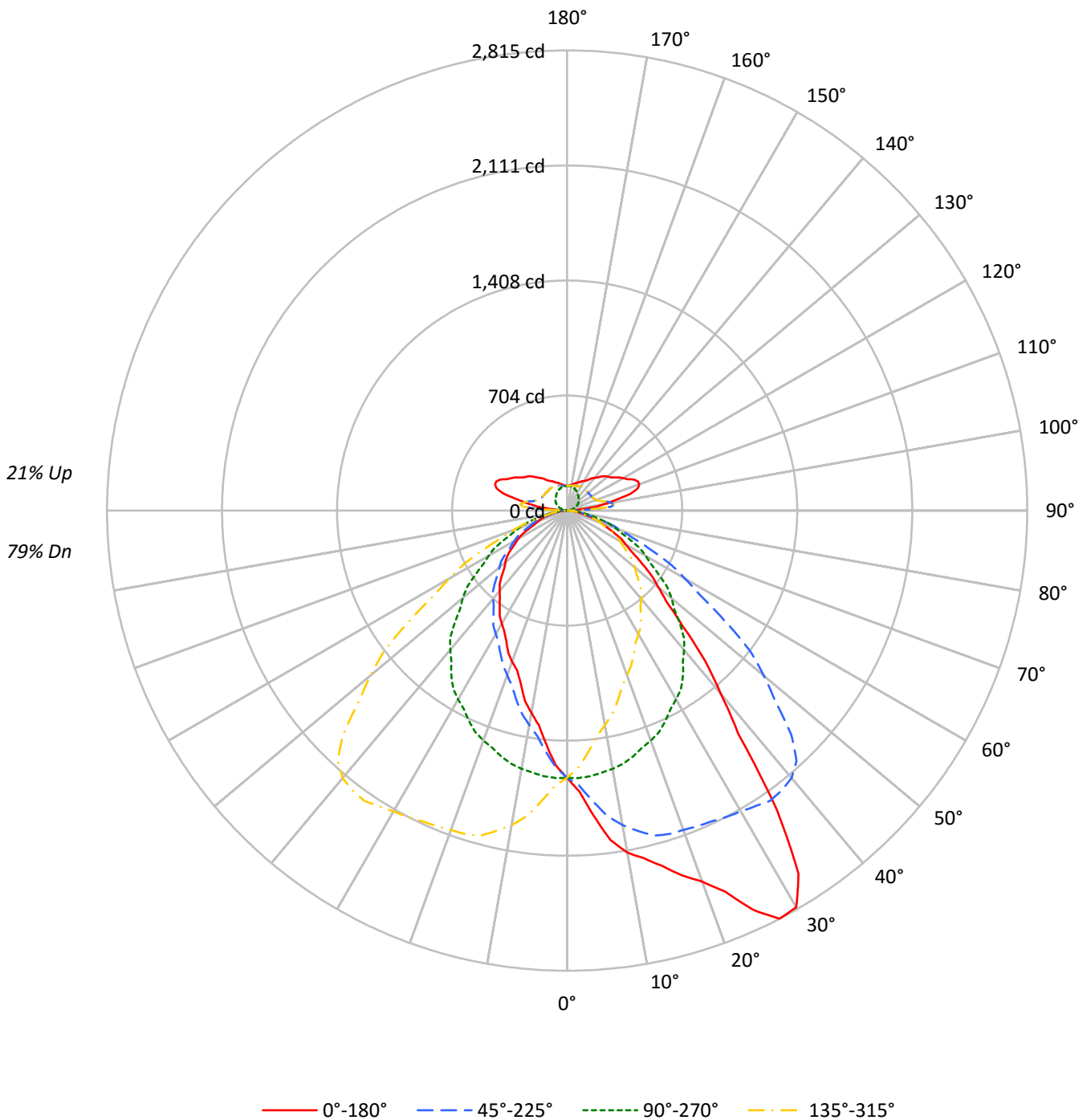
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79
1	105	101	97	93	100	96	93	90	88	86	83	81	79	77	74	73	71	68
2	96	89	83	77	92	85	80	75	78	74	70	72	68	65	66	63	61	58
3	88	79	71	65	84	75	69	63	70	64	60	64	60	56	59	56	53	50
4	81	70	62	56	77	67	60	54	62	56	51	58	53	49	53	49	46	43
5	75	63	54	48	71	60	53	47	56	50	45	52	47	42	48	44	40	38
6	69	57	48	42	66	55	47	41	51	44	39	47	42	37	44	39	36	33
7	64	51	43	38	61	50	42	37	46	40	35	43	37	33	40	35	32	30
8	60	47	39	33	57	45	38	33	42	36	31	39	34	30	37	32	29	26
9	56	43	35	30	53	42	34	29	39	33	28	36	31	27	34	29	26	24
10	52	40	32	27	50	38	31	27	36	30	26	34	28	25	32	27	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10559	10559	10559	10559
5°	12149	10573	9337	10573
10°	13935	10519	8239	10519
15°	15051	10411	7324	10411
20°	16597	10287	6763	10287
25°	19207	10120	6274	10120
30°	20901	9945	5956	9945
35°	17631	9742	5662	9742
40°	12312	9377	5409	9377
45°	9134	8882	5161	8882
50°	7283	8368	4950	8368
55°	6182	7731	4761	7731
60°	5341	7161	4456	7161
65°	4759	6544	3836	6544
70°	4181	5995	3497	5995
75°	3618	5190	3284	5190
80°	2745	4366	2745	4366
85°	2290	3431	2586	3431



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.8	2.9
10°-20°	459.5	8.6
20°-30°	728.5	13.6
30°-40°	878.5	16.4
40°-50°	784.5	14.6
50°-60°	601.6	11.2
60°-70°	391.0	7.3
70°-80°	190.1	3.5
80°-90°	46.2	0.9
90°-100°	109.4	2.0
100°-110°	235.2	4.4
110°-120°	220.7	4.1
120°-130°	178.9	3.3
130°-140°	143.5	2.7
140°-150°	108.3	2.0
150°-160°	76.2	1.4
160°-170°	44.9	0.8
170°-180°	14.6	0.3
0°-30°	1344.7	25.0
0°-40°	2223.3	41.4
0°-60°	3609.4	67.2
0°-90°	4236.7	78.9
90°-120°	565.3	10.5
90°-150°	996.0	18.6
90°-180°	1132.0	21.1
0°-180°	5368.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1635	1635	1635	1635	1635	
5°	1874	1631	1440	1631	1874	187
15°	2251	1557	1095	1557	2251	645
25°	2695	1420	880	1420	2695	1238
35°	2236	1236	718	1236	2236	1351
45°	1000	972	565	972	1000	798
55°	549	687	423	687	549	498
65°	311	428	251	428	311	310
75°	145	208	132	208	145	154
85°	31	46	35	46	31	36
90°	7	0	7	0	7	6
95°	72	10	72	10	72	101
105°	403	34	403	34	403	401
115°	449	62	449	62	449	439
125°	354	85	354	85	354	320
135°	294	100	294	100	294	228
145°	232	116	232	116	232	147
155°	194	133	194	133	194	91
165°	170	145	170	145	170	49
175°	153	151	153	151	153	15
180°	151	151	151	151	151	



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1719.8	1718.7	1720.9	1714.9	1715.5	1706.3	1706.3	1699.4	1690.2	1683.3	1680.1
5°	1873.9	1875.3	1872.5	1862.4	1855.8	1845.7	1834.3	1814.1	1797.3	1781.2	1768.5
7.5°	2032.6	2033.5	2024.6	2021.5	2004.6	1992.3	1966.9	1939.5	1915.2	1884.4	1860.7
10°	2124.9	2124.3	2114.8	2107.5	2092.7	2073.9	2049.1	2016.8	1986.7	1953.1	1920.9
12.5°	2178.6	2176.9	2173.9	2164.9	2151.2	2134.6	2113.5	2081.8	2044.6	2007.9	1970.2
15°	2251.1	2246.3	2237.7	2226.2	2206.7	2187.3	2163.8	2135.6	2100.1	2058.5	2023.5
17.5°	2340.7	2340.9	2327.5	2311.6	2285.2	2250.8	2214.6	2169.0	2120.7	2074.9	2037.8
20°	2414.8	2412.8	2399.4	2368.5	2338.3	2295.3	2253.8	2198.0	2139.0	2079.2	2032.9
22.5°	2521.2	2515.9	2502.0	2461.4	2414.6	2359.2	2295.6	2227.6	2156.2	2088.4	2027.6
25°	2695.4	2691.3	2663.8	2616.8	2551.1	2465.8	2382.6	2289.3	2186.7	2097.4	2023.5
27.5°	2814.6	2810.1	2789.7	2750.7	2690.0	2600.3	2487.7	2363.0	2234.8	2112.0	2005.5
30°	2802.7	2812.8	2810.1	2792.1	2746.4	2665.8	2561.8	2421.6	2269.2	2124.9	1998.0
32.5°	2634.1	2643.2	2666.8	2702.3	2705.0	2672.8	2595.1	2465.6	2307.8	2143.7	1992.1
35°	2236.3	2248.4	2294.0	2365.9	2459.8	2538.3	2554.4	2484.7	2343.0	2166.5	1983.3
37.5°	1719.2	1785.3	1823.7	1899.3	2041.3	2185.7	2324.6	2375.8	2315.5	2157.1	1968.9
40°	1460.4	1476.5	1545.0	1630.2	1749.7	1900.1	2098.1	2241.0	2245.7	2135.6	1946.4
42.5°	1250.0	1270.4	1317.3	1385.4	1487.7	1638.1	1842.5	2031.1	2118.5	2076.6	1916.8
45°	1000.1	1015.5	1049.7	1102.1	1180.6	1304.8	1480.6	1698.7	1871.9	1939.7	1837.6
47.5°	821.5	829.8	859.6	899.5	957.6	1048.1	1184.2	1373.6	1581.2	1726.9	1712.5
50°	724.9	734.3	757.1	787.3	836.3	912.7	1021.5	1179.2	1393.4	1571.2	1606.8
52.5°	649.7	657.5	671.7	700.3	740.7	799.5	887.3	1029.9	1222.6	1411.7	1494.0
55°	549.0	554.4	565.8	581.9	614.2	656.4	732.2	830.9	986.6	1177.2	1298.0
57.5°	466.1	468.7	476.0	490.9	513.2	544.1	598.8	682.4	794.1	965.8	1099.1
60°	413.5	416.1	425.5	435.6	453.1	481.2	524.2	582.6	689.9	831.6	966.5
62.5°	371.5	373.2	377.2	387.3	402.6	424.3	458.1	505.8	591.2	715.6	843.0
65°	311.4	312.1	313.4	321.5	330.9	347.0	369.1	402.7	467.1	561.1	673.8
67.5°	253.7	254.6	259.3	262.2	272.0	280.4	293.4	319.1	364.5	427.8	515.5
70°	221.4	220.8	225.5	228.9	232.2	242.3	251.0	271.8	300.0	348.4	421.5
72.5°	191.4	189.7	191.7	192.9	197.3	204.1	212.9	225.7	247.4	280.7	336.7
75°	145.0	145.7	145.7	147.0	150.3	153.0	155.7	162.4	174.5	196.7	226.9
77.5°	101.8	100.7	103.5	103.9	105.9	108.8	111.2	113.8	118.8	127.9	143.5
80°	73.8	73.8	74.5	76.5	75.9	77.1	80.5	83.3	89.3	94.6	100.0
82.5°	56.7	56.1	56.7	57.2	57.1	58.4	59.6	60.1	62.4	65.1	68.9
85°	30.9	30.9	31.5	31.5	32.2	32.2	32.9	32.9	32.9	33.6	34.3
87.5°	13.2	12.7	12.1	12.1	12.7	13.6	13.0	12.4	12.3	12.2	12.7
90°	7.0	7.0	6.7	6.7	6.7	6.1	5.8	5.5	5.2	4.9	4.2
92.5°	19.4	19.9	20.3	21.1	25.0	29.4	39.1	53.9	79.4	98.1	99.7
95°	71.5	76.4	78.8	87.9	109.5	135.1	172.5	218.8	263.8	269.6	220.0
97.5°	172.8	176.8	185.5	202.6	221.4	256.9	293.4	325.8	333.8	287.9	196.5
100°	237.4	242.2	253.5	275.3	296.4	328.0	359.4	374.3	350.9	274.7	175.3
102.5°	309.4	313.1	325.3	340.9	363.3	384.8	399.8	390.5	340.6	251.7	159.2
105°	403.2	406.8	412.9	422.9	432.7	436.0	422.7	381.0	308.0	220.6	143.6
107.5°	453.0	455.4	457.4	457.4	452.5	436.6	402.3	346.6	274.6	199.2	137.1
110°	469.5	469.5	467.4	461.6	447.9	422.1	379.2	321.3	255.6	189.2	135.1



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	467.6	465.4	460.1	450.1	430.2	399.7	356.3	301.4	241.5	183.4	135.1
115°	449.1	445.1	436.6	422.1	398.3	365.2	323.5	276.3	226.1	177.1	136.0
117.5°	416.8	414.4	406.0	390.8	367.1	336.7	300.7	260.1	216.9	174.0	138.0
120°	395.9	393.5	385.2	370.7	348.1	321.3	287.8	251.3	211.8	172.5	140.0
122.5°	377.4	375.2	367.0	353.6	333.5	308.4	278.6	244.8	207.4	171.3	141.6
125°	353.9	350.9	344.1	331.7	314.6	292.7	266.2	235.2	201.5	169.8	144.6
127.5°	333.8	332.4	326.1	315.1	299.6	279.1	254.4	225.5	196.0	169.1	147.7
130°	322.9	321.1	315.0	304.9	289.7	269.9	246.2	219.4	192.3	168.6	149.7
132.5°	311.9	309.8	304.2	294.2	279.0	259.9	238.4	213.3	189.4	168.6	151.9
135°	293.9	292.1	286.6	276.6	263.2	245.9	226.4	205.4	185.9	168.6	154.9
137.5°	274.7	272.8	267.7	258.6	246.6	231.9	215.7	198.7	182.8	168.9	157.6
140°	261.4	259.8	255.3	247.4	236.1	223.3	209.3	195.0	181.3	169.2	158.9
142.5°	249.0	247.7	243.4	236.7	227.1	216.0	204.0	191.9	180.1	169.4	159.5
145°	231.9	230.7	227.3	222.1	214.8	206.6	197.2	187.8	178.3	169.2	160.3
147.5°	217.4	216.8	214.9	210.8	205.0	198.8	191.5	183.8	176.4	168.4	160.7
150°	209.3	209.1	207.8	204.1	199.6	194.2	188.4	181.7	175.0	167.6	160.7
152.5°	203.0	202.7	201.5	198.5	194.8	190.5	185.2	179.3	173.2	166.7	160.4
155°	194.4	194.2	193.2	191.1	188.0	184.7	180.5	175.6	170.4	165.0	159.7
157.5°	186.8	186.8	186.0	184.3	181.8	179.3	175.9	171.9	167.7	163.1	158.9
160°	181.7	181.9	181.3	179.9	177.7	175.6	172.5	169.5	165.6	161.9	158.3
162.5°	177.0	177.1	176.9	175.7	174.1	172.2	169.6	166.8	163.6	160.4	157.5
165°	170.4	170.4	170.4	169.8	168.6	167.0	165.2	163.1	160.7	158.3	156.4
167.5°	164.3	164.4	164.6	164.1	163.5	162.4	161.0	159.5	157.8	156.1	154.7
170°	160.7	161.0	161.0	160.7	160.1	159.5	158.5	157.6	156.1	154.9	153.9
172.5°	157.2	157.6	158.1	157.5	157.4	157.0	156.4	155.4	154.4	153.4	153.0
175°	153.1	153.3	153.9	153.7	153.7	153.7	153.1	153.1	152.1	151.9	151.9
177.5°	150.9	150.9	151.6	151.4	151.6	151.6	151.6	151.4	151.2	150.9	150.9
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1680.1	1676.3	1669.3	1662.8	1654.8	1647.9	1643.0	1637.1	1629.6	1620.5	1612.9
5°	1754.4	1739.7	1720.2	1703.4	1682.0	1665.2	1647.7	1630.9	1614.1	1592.7	1573.9
7.5°	1836.9	1806.4	1776.7	1739.4	1705.6	1675.3	1646.3	1617.0	1588.2	1557.7	1528.4
10°	1887.3	1850.4	1809.5	1762.5	1719.5	1678.6	1641.0	1604.0	1565.1	1530.9	1494.0
12.5°	1934.6	1886.9	1840.0	1780.7	1729.1	1679.1	1631.3	1585.3	1543.7	1499.3	1459.7
15°	1977.2	1930.3	1877.9	1805.4	1733.6	1673.2	1616.8	1557.1	1505.4	1455.8	1411.4
17.5°	1993.7	1944.5	1883.7	1814.0	1735.5	1659.5	1586.9	1521.4	1460.6	1402.7	1352.9
20°	1987.3	1939.7	1877.2	1810.8	1726.9	1647.7	1569.2	1496.7	1428.9	1367.8	1314.8
22.5°	1971.8	1922.4	1862.2	1792.0	1712.4	1628.4	1544.5	1467.1	1396.1	1332.9	1275.1
25°	1948.4	1881.3	1819.6	1751.0	1675.2	1592.0	1505.4	1420.1	1344.4	1279.9	1216.9
27.5°	1924.1	1840.3	1761.8	1693.8	1613.6	1539.4	1455.9	1368.5	1288.7	1223.1	1158.4
30°	1902.0	1808.1	1721.5	1644.3	1568.5	1498.1	1418.8	1333.6	1251.7	1184.0	1118.2
32.5°	1874.7	1774.8	1679.6	1590.6	1517.5	1447.6	1375.9	1294.4	1214.7	1144.7	1077.9
35°	1840.3	1712.8	1609.5	1514.8	1433.6	1365.8	1301.4	1235.6	1155.7	1083.2	1018.1
37.5°	1795.2	1650.5	1530.9	1427.8	1342.2	1274.1	1223.2	1163.1	1090.2	1020.8	960.4
40°	1767.8	1605.4	1474.5	1372.5	1282.5	1210.7	1163.1	1112.2	1045.7	980.6	920.2
42.5°	1731.3	1564.1	1417.6	1311.3	1220.8	1151.7	1103.5	1058.9	1003.2	941.9	877.2
45°	1659.7	1483.9	1330.2	1216.2	1124.9	1057.0	1012.1	972.5	930.2	873.8	817.4
47.5°	1566.6	1400.3	1239.5	1114.9	1025.5	962.6	918.9	887.7	857.5	809.5	754.8
50°	1492.0	1331.6	1174.5	1053.7	958.4	898.7	857.7	832.9	805.4	761.7	716.1
52.5°	1403.9	1260.7	1106.9	983.3	893.5	837.5	798.1	773.4	750.6	715.1	671.6
55°	1265.2	1139.6	998.7	886.6	804.1	747.7	710.1	686.6	673.2	643.0	608.7
57.5°	1105.0	1015.0	890.8	782.7	709.7	654.0	626.5	606.5	591.3	570.0	545.8
60°	993.3	930.2	818.8	716.1	649.0	596.0	571.2	554.4	540.3	522.2	503.3
62.5°	880.0	834.1	737.2	649.0	587.3	542.9	519.6	504.5	488.2	476.0	457.7
65°	728.2	687.3	620.2	551.0	494.0	458.4	441.6	428.2	418.1	404.7	391.9
67.5°	566.5	549.8	503.5	455.8	414.9	383.2	368.8	359.4	347.2	339.2	330.5
70°	467.1	459.1	426.2	394.7	356.4	334.9	321.5	317.5	302.7	294.6	288.6
72.5°	379.1	375.3	356.4	334.5	307.5	288.7	276.4	271.8	262.4	256.0	252.1
75°	259.8	261.1	257.7	243.7	233.6	221.4	210.8	208.0	201.4	196.0	192.6
77.5°	164.3	171.2	171.4	170.7	166.7	159.4	154.9	152.9	146.3	144.3	143.5
80°	112.8	120.1	126.8	126.1	124.8	122.9	119.5	117.4	114.1	112.1	110.7
82.5°	75.2	82.1	87.6	91.3	91.0	89.0	86.7	85.8	85.1	83.6	83.3
85°	35.6	36.9	38.9	43.7	47.0	47.6	47.0	46.3	44.3	44.9	45.6
87.5°	13.2	13.0	13.5	13.3	12.7	15.2	16.8	17.2	16.2	15.2	14.3
90°	4.0	3.4	3.0	2.4	1.8	1.2	0.6	0.3	0.6	1.2	1.8
92.5°	69.4	41.6	25.0	16.1	10.8	7.1	4.5	3.7	4.5	7.1	10.8
95°	136.0	69.1	36.5	22.8	16.1	12.7	10.3	10.1	10.3	12.7	16.1
97.5°	108.6	59.5	38.0	28.2	22.1	18.8	17.0	16.7	17.0	18.8	22.1
100°	98.6	59.1	41.4	32.3	26.4	23.2	21.9	21.3	21.9	23.2	26.4
102.5°	94.5	61.2	45.5	36.7	31.3	27.7	26.8	26.4	26.8	27.7	31.3
105°	92.8	65.7	52.3	43.8	38.9	35.9	34.4	34.4	34.4	35.9	38.9
107.5°	95.6	72.4	59.5	51.8	46.8	44.3	42.8	42.2	42.8	44.3	46.8
110°	98.3	77.3	64.8	56.9	52.3	49.6	48.4	47.8	48.4	49.6	52.3



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	101.7	81.9	69.9	62.3	57.7	54.9	54.0	53.4	54.0	54.9	57.7
115°	106.8	89.2	77.9	70.3	65.7	63.0	62.1	61.5	62.1	63.0	65.7
117.5°	112.6	96.6	85.9	78.6	73.4	70.7	69.7	68.8	69.7	70.7	73.4
120°	116.6	101.9	91.3	83.7	78.5	75.8	74.6	73.6	74.6	75.8	78.5
122.5°	120.9	107.0	96.4	88.8	83.2	80.4	79.4	78.8	79.4	80.4	83.2
125°	126.9	113.8	103.8	95.8	90.1	87.3	85.8	85.2	85.8	87.3	90.1
127.5°	132.3	120.3	110.6	102.7	96.6	93.1	91.2	90.2	91.2	93.1	96.6
130°	136.0	124.4	115.0	107.1	100.7	96.8	94.4	93.4	94.4	96.8	100.7
132.5°	139.2	128.4	118.9	111.0	104.4	100.0	97.0	95.8	97.0	100.0	104.4
135°	143.6	133.5	124.2	116.0	109.5	104.7	101.0	99.8	101.0	104.7	109.5
137.5°	146.9	137.3	128.7	120.3	114.0	109.1	105.7	104.8	105.7	109.1	114.0
140°	149.1	140.0	131.1	123.0	117.2	112.3	108.7	107.7	108.7	112.3	117.2
142.5°	150.3	141.6	133.4	125.6	120.1	115.2	111.8	111.2	111.8	115.2	120.1
145°	152.1	144.6	136.6	129.7	124.2	119.9	116.8	116.2	116.8	119.9	124.2
147.5°	153.3	146.4	139.4	133.3	128.5	124.6	121.9	121.6	121.9	124.6	128.5
150°	153.9	147.6	140.9	135.7	131.5	127.5	125.4	124.8	125.4	127.5	131.5
152.5°	154.5	148.8	142.6	137.9	133.9	130.4	128.5	128.2	128.5	130.4	133.9
155°	154.9	150.0	144.8	140.6	137.5	134.5	132.7	132.7	132.7	134.5	137.5
157.5°	155.2	151.0	146.6	143.4	140.7	138.1	136.6	136.7	136.6	138.1	140.7
160°	155.2	151.5	147.6	144.8	142.4	140.3	139.1	139.4	139.1	140.3	142.4
162.5°	155.0	152.1	148.5	146.3	144.4	142.5	141.3	141.5	141.3	142.5	144.4
165°	154.5	152.1	149.7	147.9	146.6	145.2	144.2	144.8	144.2	145.2	146.6
167.5°	153.9	152.1	150.2	149.0	148.1	147.3	146.7	147.1	146.7	147.3	148.1
170°	153.3	152.1	150.6	149.7	149.1	148.5	148.2	148.5	148.2	148.5	149.1
172.5°	152.9	151.9	150.6	150.2	149.8	149.2	149.0	149.5	149.0	149.2	149.8
175°	152.1	151.5	150.6	150.6	150.6	150.3	150.0	150.6	150.0	150.3	150.6
177.5°	151.4	151.2	150.7	150.7	150.9	150.7	150.7	151.2	150.7	150.7	150.9
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1607.6	1600.1	1594.7	1583.9	1576.4	1573.2	1567.3	1565.6	1571.6	1567.3	1566.8
5°	1559.8	1540.3	1524.9	1509.4	1492.6	1482.0	1465.9	1463.1	1459.1	1453.0	1451.7
7.5°	1502.4	1477.1	1457.2	1431.8	1409.5	1391.7	1371.6	1362.0	1356.8	1349.0	1338.6
10°	1463.8	1433.6	1406.8	1381.2	1353.8	1331.6	1311.5	1296.0	1285.9	1276.5	1272.6
12.5°	1425.6	1394.9	1360.6	1329.7	1299.0	1274.1	1251.8	1241.8	1230.6	1219.6	1210.2
15°	1366.5	1325.5	1288.0	1252.4	1226.2	1199.4	1177.8	1163.1	1146.3	1141.7	1123.5
17.5°	1303.6	1263.5	1219.5	1182.1	1151.7	1122.1	1098.5	1081.8	1069.2	1051.9	1043.5
20°	1264.5	1216.9	1173.9	1139.6	1106.0	1071.2	1047.0	1032.9	1020.8	1006.8	1000.1
22.5°	1222.6	1176.0	1132.0	1091.8	1057.7	1023.4	1006.2	991.6	977.8	964.8	956.0
25°	1161.1	1114.1	1067.8	1026.2	990.7	965.8	945.6	928.8	921.5	908.8	899.3
27.5°	1100.3	1050.3	1002.3	960.8	932.9	908.4	891.8	878.6	865.2	854.1	845.9
30°	1061.1	1010.1	957.8	924.9	895.4	871.8	853.7	840.9	830.9	820.8	814.8
32.5°	1021.9	969.3	922.8	887.3	859.4	839.0	820.4	808.2	797.6	786.4	779.4
35°	959.1	905.4	867.8	832.9	805.4	786.6	773.9	756.4	747.7	739.6	732.2
37.5°	900.7	850.8	810.1	779.5	755.6	736.9	720.4	711.0	700.3	693.0	686.9
40°	857.7	812.1	775.2	743.0	725.6	704.7	689.3	677.2	669.2	659.8	653.1
42.5°	819.1	776.7	740.8	711.9	690.1	672.5	657.6	645.5	635.3	628.6	622.9
45°	764.5	722.2	687.3	660.4	640.3	623.5	608.0	602.0	588.6	580.6	577.9
47.5°	707.9	670.1	636.4	611.7	591.0	575.1	560.7	548.4	541.0	533.0	528.7
50°	669.9	633.6	602.0	577.9	557.8	540.3	526.8	518.8	508.8	501.4	496.0
52.5°	631.7	598.1	566.6	543.5	526.1	508.6	493.6	485.5	476.0	471.3	467.5
55°	577.2	541.7	514.8	492.0	473.8	457.7	443.7	435.6	429.6	424.8	423.5
57.5°	515.5	487.2	462.3	441.8	422.9	407.8	395.5	387.8	382.5	381.8	377.7
60°	475.2	449.7	426.9	404.7	388.6	374.5	363.8	355.1	349.7	349.0	347.7
62.5°	434.9	410.4	389.3	369.8	355.3	341.7	331.6	321.8	318.6	315.2	312.2
65°	375.1	353.0	335.6	320.1	304.7	293.3	283.3	277.2	269.8	265.8	258.4
67.5°	316.5	299.4	282.6	269.6	257.4	246.6	238.2	229.3	224.3	221.1	215.7
70°	277.8	264.4	247.6	233.6	224.2	215.4	208.7	198.6	195.3	192.6	189.9
72.5°	241.3	229.5	215.4	204.1	194.7	186.4	178.7	173.9	170.7	167.9	166.3
75°	189.9	178.6	166.4	158.4	151.7	145.0	140.9	137.6	136.2	135.6	132.9
77.5°	139.5	133.5	123.7	117.4	112.9	110.2	106.6	104.9	104.7	101.8	100.8
80°	106.7	103.3	95.3	92.6	89.3	86.6	84.6	81.2	77.8	76.5	74.5
82.5°	79.3	75.9	72.8	68.4	65.6	64.1	62.0	60.8	61.2	59.3	58.4
85°	42.3	38.9	37.6	36.9	35.6	36.9	36.2	35.6	34.9	34.3	34.9
87.5°	13.9	14.0	13.5	14.7	13.2	13.9	13.9	13.4	13.5	13.6	13.2
90°	2.4	3.0	3.4	4.0	4.2	4.9	5.2	5.5	5.8	6.1	6.7
92.5°	16.1	25.0	41.6	69.4	99.7	98.1	79.4	53.9	39.1	29.4	25.0
95°	22.8	36.5	69.1	136.0	220.0	269.6	263.8	218.8	172.5	135.1	109.5
97.5°	28.2	38.0	59.5	108.6	196.5	287.9	333.8	325.8	293.4	256.9	221.4
100°	32.3	41.4	59.1	98.6	175.3	274.7	350.9	374.3	359.4	328.0	296.4
102.5°	36.7	45.5	61.2	94.5	159.2	251.7	340.6	390.5	399.8	384.8	363.3
105°	43.8	52.3	65.7	92.8	143.6	220.6	308.0	381.0	422.7	436.0	432.7
107.5°	51.8	59.5	72.4	95.6	137.1	199.2	274.6	346.6	402.3	436.6	452.5
110°	56.9	64.8	77.3	98.3	135.1	189.2	255.6	321.3	379.2	422.1	447.9



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	62.3	69.9	81.9	101.7	135.1	183.4	241.5	301.4	356.3	399.7	430.2
115°	70.3	77.9	89.2	106.8	136.0	177.1	226.1	276.3	323.5	365.2	398.3
117.5°	78.6	85.9	96.6	112.6	138.0	174.0	216.9	260.1	300.7	336.7	367.1
120°	83.7	91.3	101.9	116.6	140.0	172.5	211.8	251.3	287.8	321.3	348.1
122.5°	88.8	96.4	107.0	120.9	141.6	171.3	207.4	244.8	278.6	308.4	333.5
125°	95.8	103.8	113.8	126.9	144.6	169.8	201.5	235.2	266.2	292.7	314.6
127.5°	102.7	110.6	120.3	132.3	147.7	169.1	196.0	225.5	254.4	279.1	299.6
130°	107.1	115.0	124.4	136.0	149.7	168.6	192.3	219.4	246.2	269.9	289.7
132.5°	111.0	118.9	128.4	139.2	151.9	168.6	189.4	213.3	238.4	259.9	279.0
135°	116.0	124.2	133.5	143.6	154.9	168.6	185.9	205.4	226.4	245.9	263.2
137.5°	120.3	128.7	137.3	146.9	157.6	168.9	182.8	198.7	215.7	231.9	246.6
140°	123.0	131.1	140.0	149.1	158.9	169.2	181.3	195.0	209.3	223.3	236.1
142.5°	125.6	133.4	141.6	150.3	159.5	169.4	180.1	191.9	204.0	216.0	227.1
145°	129.7	136.6	144.6	152.1	160.3	169.2	178.3	187.8	197.2	206.6	214.8
147.5°	133.3	139.4	146.4	153.3	160.7	168.4	176.4	183.8	191.5	198.8	205.0
150°	135.7	140.9	147.6	153.9	160.7	167.6	175.0	181.7	188.4	194.2	199.6
152.5°	137.9	142.6	148.8	154.5	160.4	166.7	173.2	179.3	185.2	190.5	194.8
155°	140.6	144.8	150.0	154.9	159.7	165.0	170.4	175.6	180.5	184.7	188.0
157.5°	143.4	146.6	151.0	155.2	158.9	163.1	167.7	171.9	175.9	179.3	181.8
160°	144.8	147.6	151.5	155.2	158.3	161.9	165.6	169.5	172.5	175.6	177.7
162.5°	146.3	148.5	152.1	155.0	157.5	160.4	163.6	166.8	169.6	172.2	174.1
165°	147.9	149.7	152.1	154.5	156.4	158.3	160.7	163.1	165.2	167.0	168.6
167.5°	149.0	150.2	152.1	153.9	154.7	156.1	157.8	159.5	161.0	162.4	163.5
170°	149.7	150.6	152.1	153.3	153.9	154.9	156.1	157.6	158.5	159.5	160.1
172.5°	150.2	150.6	151.9	152.9	153.0	153.4	154.4	155.4	156.4	157.0	157.4
175°	150.6	150.6	151.5	152.1	151.9	151.9	152.1	153.1	153.1	153.7	153.7
177.5°	150.7	150.7	151.2	151.4	150.9	150.9	151.2	151.4	151.6	151.6	151.6
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1566.2	1560.3	1558.7	1560.8	1558.7	1560.3	1566.2	1566.8	1567.3	1571.6	1565.6
5°	1445.0	1438.3	1441.7	1440.3	1441.7	1438.3	1445.0	1451.7	1453.0	1459.1	1463.1
7.5°	1338.4	1330.1	1321.2	1324.0	1321.2	1330.1	1338.4	1338.6	1349.0	1356.8	1362.0
10°	1263.8	1257.1	1253.0	1256.4	1253.0	1257.1	1263.8	1272.6	1276.5	1285.9	1296.0
12.5°	1201.0	1197.0	1193.4	1192.0	1193.4	1197.0	1201.0	1210.2	1219.6	1230.6	1241.8
15°	1115.4	1107.4	1104.1	1095.4	1104.1	1107.4	1115.4	1123.5	1141.7	1146.3	1163.1
17.5°	1036.6	1034.0	1025.3	1021.5	1025.3	1034.0	1036.6	1043.5	1051.9	1069.2	1081.8
20°	990.0	987.3	978.5	984.0	978.5	987.3	990.0	1000.1	1006.8	1020.8	1032.9
22.5°	951.3	945.4	942.5	941.0	942.5	945.4	951.3	956.0	964.8	977.8	991.6
25°	896.6	887.9	884.6	880.5	884.6	887.9	896.6	899.3	908.8	921.5	928.8
27.5°	842.1	837.5	833.0	832.0	833.0	837.5	842.1	845.9	854.1	865.2	878.6
30°	806.8	802.0	798.7	798.7	798.7	802.0	806.8	814.8	820.8	830.9	840.9
32.5°	775.1	771.5	768.1	767.6	768.1	771.5	775.1	779.4	786.4	797.6	808.2
35°	728.9	723.5	722.2	718.2	722.2	723.5	728.9	732.2	739.6	747.7	756.4
37.5°	681.0	676.5	676.4	676.0	676.4	676.5	681.0	686.9	693.0	700.3	711.0
40°	650.3	647.0	646.4	641.6	646.4	647.0	650.3	653.1	659.8	669.2	677.2
42.5°	617.6	615.9	613.5	611.6	613.5	615.9	617.6	622.9	628.6	635.3	645.5
45°	573.2	568.4	568.4	565.1	568.4	568.4	573.2	577.9	580.6	588.6	602.0
47.5°	527.3	523.7	524.0	520.6	524.0	523.7	527.3	528.7	533.0	541.0	548.4
50°	496.6	494.6	494.0	492.7	494.0	494.6	496.6	496.0	501.4	508.8	518.8
52.5°	466.1	465.1	467.7	464.7	467.7	465.1	466.1	467.5	471.3	476.0	485.5
55°	424.8	422.8	426.9	422.8	426.9	422.8	424.8	423.5	424.8	429.6	435.6
57.5°	377.5	375.6	379.2	377.2	379.2	375.6	377.5	377.7	381.8	382.5	387.8
60°	346.3	342.3	344.3	345.0	344.3	342.3	346.3	347.7	349.0	349.7	355.1
62.5°	309.3	306.9	308.3	305.2	308.3	306.9	309.3	312.2	315.2	318.6	321.8
65°	257.1	255.0	252.4	251.0	252.4	255.0	257.1	258.4	265.8	269.8	277.2
67.5°	215.9	211.1	211.0	212.1	211.0	211.1	215.9	215.7	221.1	224.3	229.3
70°	185.9	185.9	185.2	185.2	185.2	185.9	185.9	189.9	192.6	195.3	198.6
72.5°	165.0	164.5	163.2	162.7	163.2	164.5	165.0	166.3	167.9	170.7	173.9
75°	132.9	133.5	132.2	131.6	132.2	133.5	132.9	132.9	135.6	136.2	137.6
77.5°	98.2	95.3	96.8	95.3	96.8	95.3	98.2	100.8	101.8	104.7	104.9
80°	74.5	73.8	75.9	73.8	75.9	73.8	74.5	74.5	76.5	77.8	81.2
82.5°	58.9	58.3	59.2	57.7	59.2	58.3	58.9	58.4	59.3	61.2	60.8
85°	35.6	34.9	34.3	34.9	34.3	34.9	35.6	34.9	34.3	34.9	35.6
87.5°	13.7	13.2	13.2	13.2	13.2	13.2	13.7	13.2	13.6	13.5	13.4
90°	6.7	6.7	7.0	7.0	7.0	6.7	6.7	6.7	6.1	5.8	5.5
92.5°	21.1	20.3	19.9	19.4	19.9	20.3	21.1	25.0	29.4	39.1	53.9
95°	87.9	78.8	76.4	71.5	76.4	78.8	87.9	109.5	135.1	172.5	218.8
97.5°	202.6	185.5	176.8	172.8	176.8	185.5	202.6	221.4	256.9	293.4	325.8
100°	275.3	253.5	242.2	237.4	242.2	253.5	275.3	296.4	328.0	359.4	374.3
102.5°	340.9	325.3	313.1	309.4	313.1	325.3	340.9	363.3	384.8	399.8	390.5
105°	422.9	412.9	406.8	403.2	406.8	412.9	422.9	432.7	436.0	422.7	381.0
107.5°	457.4	457.4	455.4	453.0	455.4	457.4	457.4	452.5	436.6	402.3	346.6
110°	461.6	467.4	469.5	469.5	469.5	467.4	461.6	447.9	422.1	379.2	321.3



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	450.1	460.1	465.4	467.6	465.4	460.1	450.1	430.2	399.7	356.3	301.4
115°	422.1	436.6	445.1	449.1	445.1	436.6	422.1	398.3	365.2	323.5	276.3
117.5°	390.8	406.0	414.4	416.8	414.4	406.0	390.8	367.1	336.7	300.7	260.1
120°	370.7	385.2	393.5	395.9	393.5	385.2	370.7	348.1	321.3	287.8	251.3
122.5°	353.6	367.0	375.2	377.4	375.2	367.0	353.6	333.5	308.4	278.6	244.8
125°	331.7	344.1	350.9	353.9	350.9	344.1	331.7	314.6	292.7	266.2	235.2
127.5°	315.1	326.1	332.4	333.8	332.4	326.1	315.1	299.6	279.1	254.4	225.5
130°	304.9	315.0	321.1	322.9	321.1	315.0	304.9	289.7	269.9	246.2	219.4
132.5°	294.2	304.2	309.8	311.9	309.8	304.2	294.2	279.0	259.9	238.4	213.3
135°	276.6	286.6	292.1	293.9	292.1	286.6	276.6	263.2	245.9	226.4	205.4
137.5°	258.6	267.7	272.8	274.7	272.8	267.7	258.6	246.6	231.9	215.7	198.7
140°	247.4	255.3	259.8	261.4	259.8	255.3	247.4	236.1	223.3	209.3	195.0
142.5°	236.7	243.4	247.7	249.0	247.7	243.4	236.7	227.1	216.0	204.0	191.9
145°	222.1	227.3	230.7	231.9	230.7	227.3	222.1	214.8	206.6	197.2	187.8
147.5°	210.8	214.9	216.8	217.4	216.8	214.9	210.8	205.0	198.8	191.5	183.8
150°	204.1	207.8	209.1	209.3	209.1	207.8	204.1	199.6	194.2	188.4	181.7
152.5°	198.5	201.5	202.7	203.0	202.7	201.5	198.5	194.8	190.5	185.2	179.3
155°	191.1	193.2	194.2	194.4	194.2	193.2	191.1	188.0	184.7	180.5	175.6
157.5°	184.3	186.0	186.8	186.8	186.8	186.0	184.3	181.8	179.3	175.9	171.9
160°	179.9	181.3	181.9	181.7	181.9	181.3	179.9	177.7	175.6	172.5	169.5
162.5°	175.7	176.9	177.1	177.0	177.1	176.9	175.7	174.1	172.2	169.6	166.8
165°	169.8	170.4	170.4	170.4	170.4	170.4	169.8	168.6	167.0	165.2	163.1
167.5°	164.1	164.6	164.4	164.3	164.4	164.6	164.1	163.5	162.4	161.0	159.5
170°	160.7	161.0	161.0	160.7	161.0	161.0	160.7	160.1	159.5	158.5	157.6
172.5°	157.5	158.1	157.6	157.2	157.6	158.1	157.5	157.4	157.0	156.4	155.4
175°	153.7	153.9	153.3	153.1	153.3	153.9	153.7	153.7	153.7	153.1	153.1
177.5°	151.4	151.6	150.9	150.9	150.9	151.6	151.4	151.6	151.6	151.6	151.4
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1567.3	1573.2	1576.4	1583.9	1594.7	1600.1	1607.6	1612.9	1620.5	1629.6	1637.1
5°	1465.9	1482.0	1492.6	1509.4	1524.9	1540.3	1559.8	1573.9	1592.7	1614.1	1630.9
7.5°	1371.6	1391.7	1409.5	1431.8	1457.2	1477.1	1502.4	1528.4	1557.7	1588.2	1617.0
10°	1311.5	1331.6	1353.8	1381.2	1406.8	1433.6	1463.8	1494.0	1530.9	1565.1	1604.0
12.5°	1251.8	1274.1	1299.0	1329.7	1360.6	1394.9	1425.6	1459.7	1499.3	1543.7	1585.3
15°	1177.8	1199.4	1226.2	1252.4	1288.0	1325.5	1366.5	1411.4	1455.8	1505.4	1557.1
17.5°	1098.5	1122.1	1151.7	1182.1	1219.5	1263.5	1303.6	1352.9	1402.7	1460.6	1521.4
20°	1047.0	1071.2	1106.0	1139.6	1173.9	1216.9	1264.5	1314.8	1367.8	1428.9	1496.7
22.5°	1006.2	1023.4	1057.7	1091.8	1132.0	1176.0	1222.6	1275.1	1332.9	1396.1	1467.1
25°	945.6	965.8	990.7	1026.2	1067.8	1114.1	1161.1	1216.9	1279.9	1344.4	1420.1
27.5°	891.8	908.4	932.9	960.8	1002.3	1050.3	1100.3	1158.4	1223.1	1288.7	1368.5
30°	853.7	871.8	895.4	924.9	957.8	1010.1	1061.1	1118.2	1184.0	1251.7	1333.6
32.5°	820.4	839.0	859.4	887.3	922.8	969.3	1021.9	1077.9	1144.7	1214.7	1294.4
35°	773.9	786.6	805.4	832.9	867.8	905.4	959.1	1018.1	1083.2	1155.7	1235.6
37.5°	720.4	736.9	755.6	779.5	810.1	850.8	900.7	960.4	1020.8	1090.2	1163.1
40°	689.3	704.7	725.6	743.0	775.2	812.1	857.7	920.2	980.6	1045.7	1112.2
42.5°	657.6	672.5	690.1	711.9	740.8	776.7	819.1	877.2	941.9	1003.2	1058.9
45°	608.0	623.5	640.3	660.4	687.3	722.2	764.5	817.4	873.8	930.2	972.5
47.5°	560.7	575.1	591.0	611.7	636.4	670.1	707.9	754.8	809.5	857.5	887.7
50°	526.8	540.3	557.8	577.9	602.0	633.6	669.9	716.1	761.7	805.4	832.9
52.5°	493.6	508.6	526.1	543.5	566.6	598.1	631.7	671.6	715.1	750.6	773.4
55°	443.7	457.7	473.8	492.0	514.8	541.7	577.2	608.7	643.0	673.2	686.6
57.5°	395.5	407.8	422.9	441.8	462.3	487.2	515.5	545.8	570.0	591.3	606.5
60°	363.8	374.5	388.6	404.7	426.9	449.7	475.2	503.3	522.2	540.3	554.4
62.5°	331.6	341.7	355.3	369.8	389.3	410.4	434.9	457.7	476.0	488.2	504.5
65°	283.3	293.3	304.7	320.1	335.6	353.0	375.1	391.9	404.7	418.1	428.2
67.5°	238.2	246.6	257.4	269.6	282.6	299.4	316.5	330.5	339.2	347.2	359.4
70°	208.7	215.4	224.2	233.6	247.6	264.4	277.8	288.6	294.6	302.7	317.5
72.5°	178.7	186.4	194.7	204.1	215.4	229.5	241.3	252.1	256.0	262.4	271.8
75°	140.9	145.0	151.7	158.4	166.4	178.6	189.9	192.6	196.0	201.4	208.0
77.5°	106.6	110.2	112.9	117.4	123.7	133.5	139.5	143.5	144.3	146.3	152.9
80°	84.6	86.6	89.3	92.6	95.3	103.3	106.7	110.7	112.1	114.1	117.4
82.5°	62.0	64.1	65.6	68.4	72.8	75.9	79.3	83.3	83.6	85.1	85.8
85°	36.2	36.9	35.6	36.9	37.6	38.9	42.3	45.6	44.9	44.3	46.3
87.5°	13.9	13.9	13.2	14.7	13.5	14.0	13.9	14.3	15.2	16.2	17.2
90°	5.2	4.9	4.2	4.0	3.4	3.0	2.4	1.8	1.2	0.6	0.3
92.5°	79.4	98.1	99.7	69.4	41.6	25.0	16.1	10.8	7.1	4.5	3.7
95°	263.8	269.6	220.0	136.0	69.1	36.5	22.8	16.1	12.7	10.3	10.1
97.5°	333.8	287.9	196.5	108.6	59.5	38.0	28.2	22.1	18.8	17.0	16.7
100°	350.9	274.7	175.3	98.6	59.1	41.4	32.3	26.4	23.2	21.9	21.3
102.5°	340.6	251.7	159.2	94.5	61.2	45.5	36.7	31.3	27.7	26.8	26.4
105°	308.0	220.6	143.6	92.8	65.7	52.3	43.8	38.9	35.9	34.4	34.4
107.5°	274.6	199.2	137.1	95.6	72.4	59.5	51.8	46.8	44.3	42.8	42.2
110°	255.6	189.2	135.1	98.3	77.3	64.8	56.9	52.3	49.6	48.4	47.8



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	241.5	183.4	135.1	101.7	81.9	69.9	62.3	57.7	54.9	54.0	53.4
115°	226.1	177.1	136.0	106.8	89.2	77.9	70.3	65.7	63.0	62.1	61.5
117.5°	216.9	174.0	138.0	112.6	96.6	85.9	78.6	73.4	70.7	69.7	68.8
120°	211.8	172.5	140.0	116.6	101.9	91.3	83.7	78.5	75.8	74.6	73.6
122.5°	207.4	171.3	141.6	120.9	107.0	96.4	88.8	83.2	80.4	79.4	78.8
125°	201.5	169.8	144.6	126.9	113.8	103.8	95.8	90.1	87.3	85.8	85.2
127.5°	196.0	169.1	147.7	132.3	120.3	110.6	102.7	96.6	93.1	91.2	90.2
130°	192.3	168.6	149.7	136.0	124.4	115.0	107.1	100.7	96.8	94.4	93.4
132.5°	189.4	168.6	151.9	139.2	128.4	118.9	111.0	104.4	100.0	97.0	95.8
135°	185.9	168.6	154.9	143.6	133.5	124.2	116.0	109.5	104.7	101.0	99.8
137.5°	182.8	168.9	157.6	146.9	137.3	128.7	120.3	114.0	109.1	105.7	104.8
140°	181.3	169.2	158.9	149.1	140.0	131.1	123.0	117.2	112.3	108.7	107.7
142.5°	180.1	169.4	159.5	150.3	141.6	133.4	125.6	120.1	115.2	111.8	111.2
145°	178.3	169.2	160.3	152.1	144.6	136.6	129.7	124.2	119.9	116.8	116.2
147.5°	176.4	168.4	160.7	153.3	146.4	139.4	133.3	128.5	124.6	121.9	121.6
150°	175.0	167.6	160.7	153.9	147.6	140.9	135.7	131.5	127.5	125.4	124.8
152.5°	173.2	166.7	160.4	154.5	148.8	142.6	137.9	133.9	130.4	128.5	128.2
155°	170.4	165.0	159.7	154.9	150.0	144.8	140.6	137.5	134.5	132.7	132.7
157.5°	167.7	163.1	158.9	155.2	151.0	146.6	143.4	140.7	138.1	136.6	136.7
160°	165.6	161.9	158.3	155.2	151.5	147.6	144.8	142.4	140.3	139.1	139.4
162.5°	163.6	160.4	157.5	155.0	152.1	148.5	146.3	144.4	142.5	141.3	141.5
165°	160.7	158.3	156.4	154.5	152.1	149.7	147.9	146.6	145.2	144.2	144.8
167.5°	157.8	156.1	154.7	153.9	152.1	150.2	149.0	148.1	147.3	146.7	147.1
170°	156.1	154.9	153.9	153.3	152.1	150.6	149.7	149.1	148.5	148.2	148.5
172.5°	154.4	153.4	153.0	152.9	151.9	150.6	150.2	149.8	149.2	149.0	149.5
175°	152.1	151.9	151.9	152.1	151.5	150.6	150.6	150.6	150.3	150.0	150.6
177.5°	151.2	150.9	150.9	151.4	151.2	150.7	150.7	150.9	150.7	150.7	151.2
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1643.0	1647.9	1654.8	1662.8	1669.3	1676.3	1680.1	1680.1	1683.3	1690.2	1699.4
5°	1647.7	1665.2	1682.0	1703.4	1720.2	1739.7	1754.4	1768.5	1781.2	1797.3	1814.1
7.5°	1646.3	1675.3	1705.6	1739.4	1776.7	1806.4	1836.9	1860.7	1884.4	1915.2	1939.5
10°	1641.0	1678.6	1719.5	1762.5	1809.5	1850.4	1887.3	1920.9	1953.1	1986.7	2016.8
12.5°	1631.3	1679.1	1729.1	1780.7	1840.0	1886.9	1934.6	1970.2	2007.9	2044.6	2081.8
15°	1616.8	1673.2	1733.6	1805.4	1877.9	1930.3	1977.2	2023.5	2058.5	2100.1	2135.6
17.5°	1586.9	1659.5	1735.5	1814.0	1883.7	1944.5	1993.7	2037.8	2074.9	2120.7	2169.0
20°	1569.2	1647.7	1726.9	1810.8	1877.2	1939.7	1987.3	2032.9	2079.2	2139.0	2198.0
22.5°	1544.5	1628.4	1712.4	1792.0	1862.2	1922.4	1971.8	2027.6	2088.4	2156.2	2227.6
25°	1505.4	1592.0	1675.2	1751.0	1819.6	1881.3	1948.4	2023.5	2097.4	2186.7	2289.3
27.5°	1455.9	1539.4	1613.6	1693.8	1761.8	1840.3	1924.1	2005.5	2112.0	2234.8	2363.0
30°	1418.8	1498.1	1568.5	1644.3	1721.5	1808.1	1902.0	1998.0	2124.9	2269.2	2421.6
32.5°	1375.9	1447.6	1517.5	1590.6	1679.6	1774.8	1874.7	1992.1	2143.7	2307.8	2465.6
35°	1301.4	1365.8	1433.6	1514.8	1609.5	1712.8	1840.3	1983.3	2166.5	2343.0	2484.7
37.5°	1223.2	1274.1	1342.2	1427.8	1530.9	1650.5	1795.2	1968.9	2157.1	2315.5	2375.8
40°	1163.1	1210.7	1282.5	1372.5	1474.5	1605.4	1767.8	1946.4	2135.6	2245.7	2241.0
42.5°	1103.5	1151.7	1220.8	1311.3	1417.6	1564.1	1731.3	1916.8	2076.6	2118.5	2031.1
45°	1012.1	1057.0	1124.9	1216.2	1330.2	1483.9	1659.7	1837.6	1939.7	1871.9	1698.7
47.5°	918.9	962.6	1025.5	1114.9	1239.5	1400.3	1566.6	1712.5	1726.9	1581.2	1373.6
50°	857.7	898.7	958.4	1053.7	1174.5	1331.6	1492.0	1606.8	1571.2	1393.4	1179.2
52.5°	798.1	837.5	893.5	983.3	1106.9	1260.7	1403.9	1494.0	1411.7	1222.6	1029.9
55°	710.1	747.7	804.1	886.6	998.7	1139.6	1265.2	1298.0	1177.2	986.6	830.9
57.5°	626.5	654.0	709.7	782.7	890.8	1015.0	1105.0	1099.1	965.8	794.1	682.4
60°	571.2	596.0	649.0	716.1	818.8	930.2	993.3	966.5	831.6	689.9	582.6
62.5°	519.6	542.9	587.3	649.0	737.2	834.1	880.0	843.0	715.6	591.2	505.8
65°	441.6	458.4	494.0	551.0	620.2	687.3	728.2	673.8	561.1	467.1	402.7
67.5°	368.8	383.2	414.9	455.8	503.5	549.8	566.5	515.5	427.8	364.5	319.1
70°	321.5	334.9	356.4	394.7	426.2	459.1	467.1	421.5	348.4	300.0	271.8
72.5°	276.4	288.7	307.5	334.5	356.4	375.3	379.1	336.7	280.7	247.4	225.7
75°	210.8	221.4	233.6	243.7	257.7	261.1	259.8	226.9	196.7	174.5	162.4
77.5°	154.9	159.4	166.7	170.7	171.4	171.2	164.3	143.5	127.9	118.8	113.8
80°	119.5	122.9	124.8	126.1	126.8	120.1	112.8	100.0	94.6	89.3	83.3
82.5°	86.7	89.0	91.0	91.3	87.6	82.1	75.2	68.9	65.1	62.4	60.1
85°	47.0	47.6	47.0	43.7	38.9	36.9	35.6	34.3	33.6	32.9	32.9
87.5°	16.8	15.2	12.7	13.3	13.5	13.0	13.2	12.7	12.2	12.3	12.4
90°	0.6	1.2	1.8	2.4	3.0	3.4	4.0	4.2	4.9	5.2	5.5
92.5°	4.5	7.1	10.8	16.1	25.0	41.6	69.4	99.7	98.1	79.4	53.9
95°	10.3	12.7	16.1	22.8	36.5	69.1	136.0	220.0	269.6	263.8	218.8
97.5°	17.0	18.8	22.1	28.2	38.0	59.5	108.6	196.5	287.9	333.8	325.8
100°	21.9	23.2	26.4	32.3	41.4	59.1	98.6	175.3	274.7	350.9	374.3
102.5°	26.8	27.7	31.3	36.7	45.5	61.2	94.5	159.2	251.7	340.6	390.5
105°	34.4	35.9	38.9	43.8	52.3	65.7	92.8	143.6	220.6	308.0	381.0
107.5°	42.8	44.3	46.8	51.8	59.5	72.4	95.6	137.1	199.2	274.6	346.6
110°	48.4	49.6	52.3	56.9	64.8	77.3	98.3	135.1	189.2	255.6	321.3



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	54.0	54.9	57.7	62.3	69.9	81.9	101.7	135.1	183.4	241.5	301.4
115°	62.1	63.0	65.7	70.3	77.9	89.2	106.8	136.0	177.1	226.1	276.3
117.5°	69.7	70.7	73.4	78.6	85.9	96.6	112.6	138.0	174.0	216.9	260.1
120°	74.6	75.8	78.5	83.7	91.3	101.9	116.6	140.0	172.5	211.8	251.3
122.5°	79.4	80.4	83.2	88.8	96.4	107.0	120.9	141.6	171.3	207.4	244.8
125°	85.8	87.3	90.1	95.8	103.8	113.8	126.9	144.6	169.8	201.5	235.2
127.5°	91.2	93.1	96.6	102.7	110.6	120.3	132.3	147.7	169.1	196.0	225.5
130°	94.4	96.8	100.7	107.1	115.0	124.4	136.0	149.7	168.6	192.3	219.4
132.5°	97.0	100.0	104.4	111.0	118.9	128.4	139.2	151.9	168.6	189.4	213.3
135°	101.0	104.7	109.5	116.0	124.2	133.5	143.6	154.9	168.6	185.9	205.4
137.5°	105.7	109.1	114.0	120.3	128.7	137.3	146.9	157.6	168.9	182.8	198.7
140°	108.7	112.3	117.2	123.0	131.1	140.0	149.1	158.9	169.2	181.3	195.0
142.5°	111.8	115.2	120.1	125.6	133.4	141.6	150.3	159.5	169.4	180.1	191.9
145°	116.8	119.9	124.2	129.7	136.6	144.6	152.1	160.3	169.2	178.3	187.8
147.5°	121.9	124.6	128.5	133.3	139.4	146.4	153.3	160.7	168.4	176.4	183.8
150°	125.4	127.5	131.5	135.7	140.9	147.6	153.9	160.7	167.6	175.0	181.7
152.5°	128.5	130.4	133.9	137.9	142.6	148.8	154.5	160.4	166.7	173.2	179.3
155°	132.7	134.5	137.5	140.6	144.8	150.0	154.9	159.7	165.0	170.4	175.6
157.5°	136.6	138.1	140.7	143.4	146.6	151.0	155.2	158.9	163.1	167.7	171.9
160°	139.1	140.3	142.4	144.8	147.6	151.5	155.2	158.3	161.9	165.6	169.5
162.5°	141.3	142.5	144.4	146.3	148.5	152.1	155.0	157.5	160.4	163.6	166.8
165°	144.2	145.2	146.6	147.9	149.7	152.1	154.5	156.4	158.3	160.7	163.1
167.5°	146.7	147.3	148.1	149.0	150.2	152.1	153.9	154.7	156.1	157.8	159.5
170°	148.2	148.5	149.1	149.7	150.6	152.1	153.3	153.9	154.9	156.1	157.6
172.5°	149.0	149.2	149.8	150.2	150.6	151.9	152.9	153.0	153.4	154.4	155.4
175°	150.0	150.3	150.6	150.6	150.6	151.5	152.1	151.9	151.9	152.1	153.1
177.5°	150.7	150.7	150.9	150.7	150.7	151.2	151.4	150.9	150.9	151.2	151.4
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1706.3	1706.3	1715.5	1714.9	1720.9	1718.7	1719.8
5°	1834.3	1845.7	1855.8	1862.4	1872.5	1875.3	1873.9
7.5°	1966.9	1992.3	2004.6	2021.5	2024.6	2033.5	2032.6
10°	2049.1	2073.9	2092.7	2107.5	2114.8	2124.3	2124.9
12.5°	2113.5	2134.6	2151.2	2164.9	2173.9	2176.9	2178.6
15°	2163.8	2187.3	2206.7	2226.2	2237.7	2246.3	2251.1
17.5°	2214.6	2250.8	2285.2	2311.6	2327.5	2340.9	2340.7
20°	2253.8	2295.3	2338.3	2368.5	2399.4	2412.8	2414.8
22.5°	2295.6	2359.2	2414.6	2461.4	2502.0	2515.9	2521.2
25°	2382.6	2465.8	2551.1	2616.8	2663.8	2691.3	2695.4
27.5°	2487.7	2600.3	2690.0	2750.7	2789.7	2810.1	2814.6
30°	2561.8	2665.8	2746.4	2792.1	2810.1	2812.8	2802.7
32.5°	2595.1	2672.8	2705.0	2702.3	2666.8	2643.2	2634.1
35°	2554.4	2538.3	2459.8	2365.9	2294.0	2248.4	2236.3
37.5°	2324.6	2185.7	2041.3	1899.3	1823.7	1785.3	1719.2
40°	2098.1	1900.1	1749.7	1630.2	1545.0	1476.5	1460.4
42.5°	1842.5	1638.1	1487.7	1385.4	1317.3	1270.4	1250.0
45°	1480.6	1304.8	1180.6	1102.1	1049.7	1015.5	1000.1
47.5°	1184.2	1048.1	957.6	899.5	859.6	829.8	821.5
50°	1021.5	912.7	836.3	787.3	757.1	734.3	724.9
52.5°	887.3	799.5	740.7	700.3	671.7	657.5	649.7
55°	732.2	656.4	614.2	581.9	565.8	554.4	549.0
57.5°	598.8	544.1	513.2	490.9	476.0	468.7	466.1
60°	524.2	481.2	453.1	435.6	425.5	416.1	413.5
62.5°	458.1	424.3	402.6	387.3	377.2	373.2	371.5
65°	369.1	347.0	330.9	321.5	313.4	312.1	311.4
67.5°	293.4	280.4	272.0	262.2	259.3	254.6	253.7
70°	251.0	242.3	232.2	228.9	225.5	220.8	221.4
72.5°	212.9	204.1	197.3	192.9	191.7	189.7	191.4
75°	155.7	153.0	150.3	147.0	145.7	145.7	145.0
77.5°	111.2	108.8	105.9	103.9	103.5	100.7	101.8
80°	80.5	77.1	75.9	76.5	74.5	73.8	73.8
82.5°	59.6	58.4	57.1	57.2	56.7	56.1	56.7
85°	32.9	32.2	32.2	31.5	31.5	30.9	30.9
87.5°	13.0	13.6	12.7	12.1	12.1	12.7	13.2
90°	5.8	6.1	6.7	6.7	6.7	7.0	7.0
92.5°	39.1	29.4	25.0	21.1	20.3	19.9	19.4
95°	172.5	135.1	109.5	87.9	78.8	76.4	71.5
97.5°	293.4	256.9	221.4	202.6	185.5	176.8	172.8
100°	359.4	328.0	296.4	275.3	253.5	242.2	237.4
102.5°	399.8	384.8	363.3	340.9	325.3	313.1	309.4
105°	422.7	436.0	432.7	422.9	412.9	406.8	403.2
107.5°	402.3	436.6	452.5	457.4	457.4	455.4	453.0
110°	379.2	422.1	447.9	461.6	467.4	469.5	469.5



TEST NUMBER: P333612-935

CATALOG NUMBER: S125RDIP-S1270D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	356.3	399.7	430.2	450.1	460.1	465.4	467.6
115°	323.5	365.2	398.3	422.1	436.6	445.1	449.1
117.5°	300.7	336.7	367.1	390.8	406.0	414.4	416.8
120°	287.8	321.3	348.1	370.7	385.2	393.5	395.9
122.5°	278.6	308.4	333.5	353.6	367.0	375.2	377.4
125°	266.2	292.7	314.6	331.7	344.1	350.9	353.9
127.5°	254.4	279.1	299.6	315.1	326.1	332.4	333.8
130°	246.2	269.9	289.7	304.9	315.0	321.1	322.9
132.5°	238.4	259.9	279.0	294.2	304.2	309.8	311.9
135°	226.4	245.9	263.2	276.6	286.6	292.1	293.9
137.5°	215.7	231.9	246.6	258.6	267.7	272.8	274.7
140°	209.3	223.3	236.1	247.4	255.3	259.8	261.4
142.5°	204.0	216.0	227.1	236.7	243.4	247.7	249.0
145°	197.2	206.6	214.8	222.1	227.3	230.7	231.9
147.5°	191.5	198.8	205.0	210.8	214.9	216.8	217.4
150°	188.4	194.2	199.6	204.1	207.8	209.1	209.3
152.5°	185.2	190.5	194.8	198.5	201.5	202.7	203.0
155°	180.5	184.7	188.0	191.1	193.2	194.2	194.4
157.5°	175.9	179.3	181.8	184.3	186.0	186.8	186.8
160°	172.5	175.6	177.7	179.9	181.3	181.9	181.7
162.5°	169.6	172.2	174.1	175.7	176.9	177.1	177.0
165°	165.2	167.0	168.6	169.8	170.4	170.4	170.4
167.5°	161.0	162.4	163.5	164.1	164.6	164.4	164.3
170°	158.5	159.5	160.1	160.7	161.0	161.0	160.7
172.5°	156.4	157.0	157.4	157.5	158.1	157.6	157.2
175°	153.1	153.7	153.7	153.7	153.9	153.3	153.1
177.5°	151.6	151.6	151.6	151.4	151.6	150.9	150.9
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9

(END OF REPORT)