

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: P333612-930

Luminaire Tested: **S125RDIP-S1270D365U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333612-930  
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-S1270D365U930-4F0-1E-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: 5083.6 lumens  
Efficiency: N/A  
Efficacy: 102.1 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

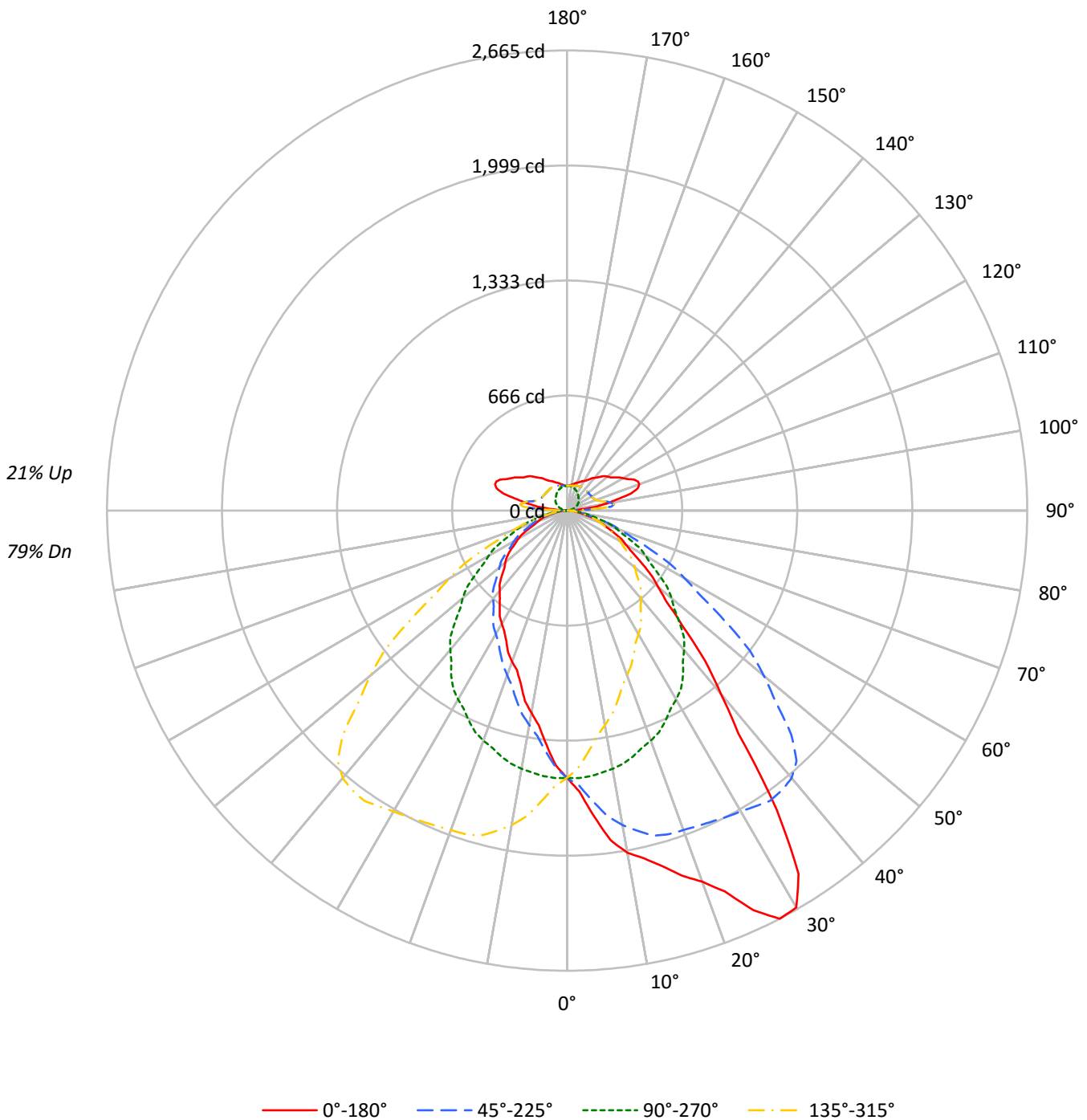
Input Watts (W): 49.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	9999	9999	9999	9999
5°	11503	10012	8842	10012
10°	13195	9961	7802	9961
15°	14252	9859	6935	9859
20°	15716	9740	6403	9740
25°	18188	9583	5942	9583
30°	19792	9417	5640	9417
35°	16696	9224	5361	9224
40°	11659	8878	5123	8878
45°	8649	8411	4887	8411
50°	6897	7924	4687	7924
55°	5853	7320	4508	7320
60°	5057	6781	4220	6781
65°	4507	6195	3632	6195
70°	3960	5676	3312	5676
75°	3426	4916	3109	4916
80°	2600	4136	2600	4136
85°	2171	3253	2445	3253



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.5	2.9
10°-20°	435.1	8.6
20°-30°	689.8	13.6
30°-40°	831.9	16.4
40°-50°	742.9	14.6
50°-60°	569.7	11.2
60°-70°	370.2	7.3
70°-80°	180.0	3.5
80°-90°	43.8	0.9
90°-100°	103.6	2.0
100°-110°	222.7	4.4
110°-120°	209.0	4.1
120°-130°	169.4	3.3
130°-140°	135.9	2.7
140°-150°	102.6	2.0
150°-160°	72.2	1.4
160°-170°	42.6	0.8
170°-180°	13.8	0.3
0°-30°	1273.4	25.0
0°-40°	2105.3	41.4
0°-60°	3417.9	67.2
0°-90°	4011.9	78.9
90°-120°	535.3	10.5
90°-150°	943.1	18.6
90°-180°	1072.0	21.1
0°-180°	5083.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1548	1548	1548	1548	1548	
5°	1774	1544	1364	1544	1774	177
15°	2132	1474	1037	1474	2132	611
25°	2552	1345	834	1345	2552	1172
35°	2118	1170	680	1170	2118	1279
45°	947	921	535	921	947	756
55°	520	650	400	650	520	472
65°	295	405	238	405	295	293
75°	137	197	125	197	137	146
85°	29	44	33	44	29	34
90°	7	0	7	0	7	6
95°	68	10	68	10	68	96
105°	382	32	382	32	382	380
115°	425	58	425	58	425	416
125°	335	81	335	81	335	303
135°	278	94	278	94	278	216
145°	220	110	220	110	220	140
155°	184	126	184	126	184	86
165°	161	137	161	137	161	46
175°	145	143	145	143	145	14
180°	143	143	143	143	143	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1628.5	1627.5	1629.5	1623.9	1624.4	1615.8	1615.8	1609.2	1600.5	1593.9	1590.9
5°	1774.4	1775.7	1773.1	1763.6	1757.3	1747.8	1736.9	1717.8	1701.9	1686.7	1674.6
7.5°	1924.7	1925.6	1917.2	1914.2	1898.2	1886.5	1862.5	1836.5	1813.6	1784.4	1761.9
10°	2012.1	2011.5	2002.5	1995.6	1981.6	1963.8	1940.3	1909.8	1881.2	1849.4	1818.9
12.5°	2063.0	2061.3	2058.5	2050.0	2037.0	2021.3	2001.3	1971.3	1936.1	1901.3	1865.6
15°	2131.6	2127.1	2118.9	2108.0	2089.6	2071.2	2048.9	2022.3	1988.6	1949.2	1916.1
17.5°	2216.5	2216.6	2203.9	2188.9	2163.9	2131.4	2097.0	2053.9	2008.2	1964.8	1929.7
20°	2286.7	2284.7	2272.1	2242.8	2214.2	2173.5	2134.1	2081.4	2025.4	1968.9	1925.0
22.5°	2387.4	2382.4	2369.2	2330.8	2286.4	2234.0	2173.8	2109.3	2041.8	1977.5	1919.9
25°	2552.3	2548.5	2522.5	2477.9	2415.7	2334.9	2256.2	2167.8	2070.6	1986.1	1916.1
27.5°	2665.2	2661.0	2641.7	2604.7	2547.2	2462.3	2355.6	2237.6	2116.2	1999.9	1899.1
30°	2654.0	2663.5	2661.0	2643.9	2600.6	2524.3	2425.8	2293.0	2148.7	2012.1	1892.0
32.5°	2494.3	2502.9	2525.2	2558.9	2561.4	2530.9	2457.4	2334.7	2185.3	2029.9	1886.4
35°	2117.6	2129.1	2172.3	2240.3	2329.2	2403.6	2418.8	2352.8	2218.7	2051.5	1878.0
37.5°	1628.0	1690.5	1726.9	1798.5	1932.9	2069.7	2201.2	2249.7	2192.6	2042.7	1864.4
40°	1382.9	1398.2	1463.0	1543.7	1656.9	1799.2	1986.7	2122.1	2126.5	2022.3	1843.1
42.5°	1183.7	1203.0	1247.4	1311.9	1408.8	1551.1	1744.7	1923.3	2006.0	1966.3	1815.1
45°	947.0	961.6	994.0	1043.6	1117.9	1235.5	1402.0	1608.5	1772.5	1836.7	1740.1
47.5°	777.9	785.8	814.0	851.7	906.8	992.5	1121.4	1300.6	1497.3	1635.2	1621.6
50°	686.4	695.3	716.9	745.5	791.9	864.3	967.3	1116.6	1319.4	1487.8	1521.5
52.5°	615.2	622.6	636.0	663.1	701.4	757.1	840.2	975.3	1157.7	1336.8	1414.7
55°	519.8	525.0	535.7	551.0	581.6	621.6	693.3	786.8	934.3	1114.8	1229.1
57.5°	441.3	443.8	450.7	464.8	485.9	515.2	567.0	646.2	752.0	914.5	1040.7
60°	391.5	394.0	402.9	412.5	429.0	455.7	496.4	551.6	653.3	787.4	915.2
62.5°	351.8	353.4	357.2	366.7	381.2	401.8	433.8	478.9	559.8	677.6	798.3
65°	294.9	295.5	296.8	304.4	313.3	328.6	349.5	381.3	442.3	531.3	638.1
67.5°	240.3	241.1	245.6	248.3	257.6	265.5	277.9	302.1	345.1	405.1	488.1
70°	209.7	209.1	213.5	216.7	219.9	229.4	237.7	257.4	284.1	329.9	399.1
72.5°	181.2	179.6	181.5	182.6	186.9	193.3	201.6	213.7	234.2	265.8	318.8
75°	137.3	137.9	137.9	139.2	142.4	144.9	147.4	153.8	165.3	186.2	214.8
77.5°	96.4	95.3	98.0	98.4	100.3	103.1	105.3	107.8	112.5	121.2	135.9
80°	69.9	69.9	70.5	72.5	71.8	73.1	76.2	78.8	84.5	89.6	94.7
82.5°	53.6	53.2	53.7	54.1	54.1	55.3	56.4	56.9	59.1	61.6	65.2
85°	29.3	29.3	29.8	29.8	30.5	30.5	31.1	31.1	31.1	31.8	32.4
87.5°	12.5	12.0	11.4	11.4	12.0	12.9	12.3	11.7	11.7	11.6	12.0
90°	6.6	6.6	6.4	6.4	6.4	5.8	5.5	5.2	4.9	4.6	4.0
92.5°	18.3	18.8	19.2	20.0	23.6	27.9	37.0	51.0	75.2	92.9	94.4
95°	67.8	72.3	74.6	83.2	103.7	127.9	163.4	207.2	249.8	255.3	208.3
97.5°	163.6	167.4	175.7	191.8	209.6	243.3	277.9	308.5	316.1	272.6	186.1
100°	224.8	229.3	240.0	260.7	280.6	310.6	340.3	354.4	332.2	260.2	166.0
102.5°	293.0	296.4	308.0	322.8	344.1	364.4	378.5	369.8	322.5	238.3	150.7
105°	381.8	385.2	391.0	400.5	409.8	412.9	400.2	360.8	291.6	208.9	136.0
107.5°	428.9	431.2	433.2	433.2	428.5	413.4	380.9	328.2	260.0	188.7	129.8
110°	444.6	444.6	442.5	437.1	424.1	399.7	359.1	304.3	242.1	179.2	127.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	442.8	440.7	435.7	426.2	407.3	378.5	337.4	285.4	228.7	173.7	127.9
115°	425.3	421.5	413.4	399.7	377.2	345.8	306.3	261.6	214.1	167.7	128.8
117.5°	394.7	392.4	384.4	370.1	347.6	318.8	284.8	246.3	205.4	164.8	130.7
120°	374.9	372.6	364.8	351.0	329.6	304.3	272.6	238.0	200.6	163.4	132.6
122.5°	357.3	355.3	347.5	334.8	315.8	292.0	263.8	231.8	196.4	162.2	134.1
125°	335.1	332.2	325.9	314.1	297.9	277.2	252.1	222.7	190.8	160.8	136.9
127.5°	316.1	314.8	308.8	298.4	283.7	264.3	240.9	213.5	185.6	160.1	139.9
130°	305.7	304.0	298.2	288.7	274.3	255.6	233.1	207.7	182.1	159.6	141.8
132.5°	295.3	293.3	288.0	278.6	264.2	246.1	225.8	201.9	179.4	159.6	143.8
135°	278.3	276.6	271.4	262.0	249.2	232.8	214.3	194.5	176.0	159.6	146.7
137.5°	260.2	258.3	253.5	244.8	233.5	219.6	204.2	188.2	173.1	160.0	149.3
140°	247.5	246.1	241.7	234.2	223.6	211.5	198.2	184.7	171.7	160.2	150.4
142.5°	235.8	234.6	230.5	224.1	215.1	204.6	193.1	181.7	170.6	160.5	151.1
145°	219.6	218.4	215.2	210.3	203.4	195.7	186.7	177.8	168.8	160.2	151.8
147.5°	205.9	205.3	203.5	199.6	194.1	188.3	181.3	174.1	167.1	159.5	152.1
150°	198.2	198.0	196.8	193.3	189.0	183.8	178.4	172.0	165.7	158.7	152.1
152.5°	192.2	191.9	190.8	188.0	184.4	180.3	175.4	169.7	164.0	157.8	151.9
155°	184.1	183.8	183.0	180.9	178.1	174.9	170.9	166.2	161.3	156.2	151.2
157.5°	176.8	176.9	176.1	174.5	172.2	169.7	166.6	162.8	158.8	154.4	150.5
160°	172.0	172.3	171.7	170.3	168.3	166.2	163.4	160.5	156.8	153.3	149.9
162.5°	167.6	167.7	167.5	166.4	164.9	163.1	160.6	157.9	154.9	151.9	149.1
165°	161.3	161.3	161.3	160.8	159.6	158.2	156.5	154.4	152.1	149.9	148.1
167.5°	155.6	155.6	155.9	155.4	154.8	153.8	152.5	151.1	149.4	147.8	146.5
170°	152.1	152.5	152.5	152.1	151.6	151.0	150.1	149.3	147.8	146.7	145.8
172.5°	148.9	149.2	149.7	149.1	149.0	148.7	148.1	147.2	146.2	145.3	144.9
175°	145.0	145.2	145.8	145.5	145.5	145.5	145.0	145.0	144.1	143.8	143.8
177.5°	142.9	142.9	143.6	143.4	143.6	143.6	143.6	143.4	143.2	142.9	142.9
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1590.9	1587.3	1580.7	1574.6	1567.0	1560.4	1555.8	1550.2	1543.1	1534.5	1527.3
5°	1661.3	1647.3	1628.9	1613.0	1592.7	1576.8	1560.2	1544.3	1528.4	1508.1	1490.4
7.5°	1739.4	1710.5	1682.4	1647.1	1615.0	1586.4	1558.9	1531.1	1503.9	1475.0	1447.2
10°	1787.1	1752.2	1713.4	1668.9	1628.2	1589.5	1553.9	1518.9	1482.1	1449.7	1414.7
12.5°	1831.9	1786.7	1742.4	1686.2	1637.4	1590.0	1544.7	1501.1	1461.8	1419.7	1382.2
15°	1872.3	1827.8	1778.2	1709.6	1641.6	1584.4	1531.0	1474.5	1425.5	1378.5	1336.5
17.5°	1887.9	1841.3	1783.7	1717.8	1643.4	1571.4	1502.7	1440.6	1383.1	1328.3	1281.1
20°	1881.8	1836.7	1777.6	1714.7	1635.2	1560.2	1485.9	1417.2	1353.1	1295.2	1245.0
22.5°	1867.1	1820.4	1763.3	1696.9	1621.5	1542.0	1462.5	1389.3	1322.0	1262.2	1207.4
25°	1844.9	1781.4	1723.0	1658.1	1586.3	1507.5	1425.5	1344.8	1273.0	1211.9	1152.3
27.5°	1821.9	1742.6	1668.3	1603.9	1528.0	1457.7	1378.6	1295.8	1220.3	1158.2	1096.9
30°	1801.1	1712.1	1630.1	1557.1	1485.2	1418.5	1343.5	1262.8	1185.3	1121.1	1058.8
32.5°	1775.2	1680.6	1590.5	1506.2	1437.0	1370.8	1302.8	1225.7	1150.2	1083.9	1020.7
35°	1742.6	1621.9	1524.0	1434.4	1357.5	1293.3	1232.3	1170.0	1094.4	1025.7	964.1
37.5°	1699.9	1562.9	1449.7	1352.0	1271.0	1206.5	1158.3	1101.4	1032.3	966.6	909.5
40°	1674.0	1520.2	1396.3	1299.7	1214.5	1146.5	1101.4	1053.1	990.2	928.5	871.3
42.5°	1639.4	1481.1	1342.4	1241.7	1156.0	1090.5	1045.0	1002.7	950.0	891.9	830.6
45°	1571.7	1405.2	1259.6	1151.6	1065.2	1000.9	958.4	920.9	880.8	827.4	774.0
47.5°	1483.4	1326.0	1173.7	1055.7	971.1	911.5	870.2	840.6	812.0	766.5	714.7
50°	1412.8	1260.9	1112.1	997.8	907.5	851.0	812.2	788.7	762.6	721.3	678.1
52.5°	1329.4	1193.8	1048.1	931.2	846.0	793.0	755.8	732.3	710.8	677.1	635.9
55°	1198.0	1079.1	945.7	839.5	761.4	708.0	672.4	650.1	637.5	608.9	576.4
57.5°	1046.4	961.2	843.5	741.2	672.1	619.3	593.2	574.3	559.9	539.7	516.8
60°	940.6	880.8	775.3	678.1	614.6	564.4	540.9	525.0	511.6	494.5	476.6
62.5°	833.3	789.9	698.1	614.6	556.1	514.0	492.0	477.7	462.3	450.7	433.4
65°	689.6	650.8	587.3	521.8	467.7	434.1	418.2	405.4	395.9	383.2	371.1
67.5°	536.4	520.7	476.8	431.6	392.9	362.9	349.2	340.3	328.8	321.2	312.9
70°	442.3	434.7	403.6	373.7	337.5	317.2	304.4	300.6	286.7	279.0	273.3
72.5°	359.0	355.4	337.5	316.7	291.2	273.4	261.7	257.4	248.5	242.4	238.7
75°	246.0	247.2	244.0	230.7	221.2	209.7	199.6	197.0	190.7	185.6	182.4
77.5°	155.6	162.1	162.3	161.7	157.8	150.9	146.7	144.8	138.5	136.6	135.9
80°	106.8	113.7	120.1	119.4	118.2	116.3	113.2	111.2	108.0	106.2	104.8
82.5°	71.2	77.7	83.0	86.4	86.2	84.3	82.1	81.2	80.6	79.2	78.9
85°	33.7	35.0	36.9	41.3	44.5	45.1	44.5	43.9	41.9	42.6	43.2
87.5°	12.5	12.3	12.8	12.6	12.1	14.4	15.9	16.3	15.3	14.4	13.5
90°	3.8	3.2	2.9	2.3	1.7	1.1	0.6	0.3	0.6	1.1	1.7
92.5°	65.7	39.4	23.6	15.2	10.3	6.7	4.2	3.5	4.2	6.7	10.3
95°	128.8	65.4	34.6	21.6	15.2	12.1	9.8	9.5	9.8	12.1	15.2
97.5°	102.8	56.3	36.0	26.7	21.0	17.8	16.1	15.8	16.1	17.8	21.0
100°	93.4	55.9	39.2	30.6	25.0	21.9	20.7	20.1	20.7	21.9	25.0
102.5°	89.4	58.0	43.1	34.7	29.7	26.3	25.4	25.0	25.4	26.3	29.7
105°	87.9	62.2	49.6	41.5	36.9	34.0	32.5	32.5	32.5	34.0	36.9
107.5°	90.5	68.6	56.3	49.1	44.3	41.9	40.5	39.9	40.5	41.9	44.3
110°	93.1	73.2	61.4	53.9	49.6	47.0	45.8	45.2	45.8	47.0	49.6





TEST NUMBER: P333612-930

CATALOG NUMBER: S125RDIP-S1270D365U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	96.3	77.5	66.2	58.9	54.6	52.0	51.1	50.5	51.1	52.0	54.6
115°	101.1	84.5	73.8	66.5	62.2	59.7	58.8	58.2	58.8	59.7	62.2
117.5°	106.6	91.5	81.4	74.4	69.5	66.9	66.0	65.1	66.0	66.9	69.5
120°	110.4	96.5	86.4	79.2	74.4	71.7	70.6	69.7	70.6	71.7	74.4
122.5°	114.5	101.3	91.3	84.1	78.8	76.1	75.2	74.6	75.2	76.1	78.8
125°	120.2	107.8	98.2	90.7	85.3	82.7	81.3	80.7	81.3	82.7	85.3
127.5°	125.3	113.9	104.8	97.3	91.5	88.1	86.3	85.4	86.3	88.1	91.5
130°	128.8	117.8	108.9	101.4	95.4	91.6	89.4	88.5	89.4	91.6	95.4
132.5°	131.8	121.6	112.6	105.1	98.8	94.7	91.9	90.7	91.9	94.7	98.8
135°	136.0	126.5	117.6	109.8	103.7	99.1	95.6	94.5	95.6	99.1	103.7
137.5°	139.1	130.0	121.9	113.9	107.9	103.3	100.1	99.2	100.1	103.3	107.9
140°	141.2	132.6	124.2	116.4	111.0	106.3	102.9	102.0	102.9	106.3	111.0
142.5°	142.4	134.1	126.3	119.0	113.7	109.1	105.8	105.3	105.8	109.1	113.7
145°	144.1	136.9	129.4	122.8	117.6	113.5	110.6	110.1	110.6	113.5	117.6
147.5°	145.1	138.6	132.0	126.2	121.7	118.0	115.4	115.1	115.4	118.0	121.7
150°	145.8	139.7	133.4	128.5	124.5	120.7	118.7	118.1	118.7	120.7	124.5
152.5°	146.3	140.9	135.0	130.6	126.8	123.5	121.7	121.4	121.7	123.5	126.8
155°	146.7	142.0	137.1	133.1	130.2	127.3	125.6	125.6	125.6	127.3	130.2
157.5°	146.9	143.0	138.8	135.7	133.2	130.8	129.4	129.5	129.4	130.8	133.2
160°	146.9	143.5	139.7	137.1	134.9	132.8	131.7	132.0	131.7	132.8	134.9
162.5°	146.8	144.0	140.6	138.5	136.7	134.9	133.8	134.0	133.8	134.9	136.7
165°	146.3	144.1	141.8	140.1	138.8	137.5	136.6	137.1	136.6	137.5	138.8
167.5°	145.7	144.1	142.2	141.0	140.2	139.5	138.9	139.3	138.9	139.5	140.2
170°	145.2	144.1	142.6	141.8	141.2	140.6	140.3	140.6	140.3	140.6	141.2
172.5°	144.8	143.8	142.6	142.2	141.9	141.3	141.0	141.5	141.0	141.3	141.9
175°	144.1	143.5	142.6	142.6	142.6	142.4	142.0	142.6	142.0	142.4	142.6
177.5°	143.4	143.2	142.7	142.7	142.9	142.7	142.7	143.2	142.7	142.7	142.9
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333612-930

CATALOG NUMBER: S125RDIP-S1270D365U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1522.2	1515.2	1510.0	1499.8	1492.7	1489.7	1484.1	1482.5	1488.2	1484.1	1483.6
5°	1477.0	1458.6	1444.0	1429.3	1413.4	1403.3	1388.0	1385.4	1381.7	1375.9	1374.7
7.5°	1422.7	1398.7	1379.9	1355.8	1334.7	1317.8	1298.8	1289.7	1284.8	1277.4	1267.5
10°	1386.1	1357.5	1332.1	1307.9	1281.9	1260.9	1241.9	1227.2	1217.6	1208.8	1205.0
12.5°	1350.0	1320.9	1288.3	1259.1	1230.0	1206.5	1185.4	1175.9	1165.3	1154.9	1146.0
15°	1294.0	1255.2	1219.6	1185.9	1161.1	1135.7	1115.3	1101.4	1085.5	1081.1	1063.9
17.5°	1234.4	1196.5	1154.8	1119.3	1090.5	1062.6	1040.2	1024.3	1012.4	996.1	988.1
20°	1197.3	1152.3	1111.6	1079.1	1047.3	1014.3	991.4	978.1	966.6	953.3	947.0
22.5°	1157.7	1113.6	1071.9	1033.9	1001.6	969.1	952.8	939.0	925.9	913.6	905.2
25°	1099.5	1055.0	1011.1	971.8	938.1	914.5	895.4	879.5	872.6	860.5	851.6
27.5°	1041.9	994.6	949.1	909.8	883.4	860.1	844.5	831.9	819.3	808.8	801.0
30°	1004.8	956.5	906.9	875.8	847.8	825.6	808.4	796.3	786.8	777.2	771.5
32.5°	967.7	917.9	873.8	840.2	813.8	794.5	776.9	765.3	755.3	744.7	738.0
35°	908.2	857.4	821.7	788.7	762.6	744.9	732.8	716.2	708.0	700.3	693.3
37.5°	852.9	805.6	767.1	738.1	715.5	697.8	682.2	673.3	663.1	656.2	650.4
40°	812.2	769.0	734.0	703.5	687.1	667.3	652.7	641.2	633.7	624.8	618.4
42.5°	775.6	735.5	701.5	674.1	653.5	636.8	622.7	611.2	601.6	595.3	589.9
45°	723.9	683.9	650.8	625.3	606.3	590.4	575.8	570.1	557.3	549.8	547.2
47.5°	670.3	634.5	602.6	579.2	559.6	544.6	530.9	519.3	512.3	504.8	500.7
50°	634.3	600.0	570.1	547.2	528.2	511.6	498.9	491.3	481.8	474.7	469.7
52.5°	598.2	566.4	536.5	514.6	498.1	481.6	467.4	459.7	450.7	446.3	442.7
55°	546.6	512.9	487.5	465.9	448.7	433.4	420.1	412.5	406.8	402.3	401.0
57.5°	488.1	461.4	437.7	418.3	400.5	386.1	374.5	367.2	362.2	361.5	357.7
60°	450.0	425.8	404.2	383.2	367.9	354.7	344.5	336.2	331.1	330.4	329.2
62.5°	411.8	388.7	368.6	350.2	336.5	323.6	314.0	304.7	301.7	298.5	295.6
65°	355.2	334.3	317.8	303.1	288.5	277.7	268.2	262.4	255.5	251.7	244.7
67.5°	299.7	283.5	267.6	255.3	243.8	233.5	225.6	217.1	212.4	209.4	204.2
70°	263.1	250.4	234.5	221.2	212.3	204.0	197.6	188.1	184.9	182.4	179.9
72.5°	228.5	217.4	204.0	193.2	184.3	176.5	169.2	164.7	161.6	159.0	157.5
75°	179.9	169.1	157.6	150.0	143.7	137.3	133.5	130.3	129.0	128.4	125.8
77.5°	132.1	126.4	117.2	111.1	106.9	104.4	100.9	99.3	99.1	96.4	95.5
80°	101.0	97.8	90.3	87.7	84.5	82.0	80.1	76.9	73.7	72.5	70.5
82.5°	75.1	71.9	68.9	64.8	62.1	60.7	58.7	57.6	58.0	56.2	55.3
85°	40.0	36.9	35.6	35.0	33.7	35.0	34.3	33.7	33.0	32.4	33.0
87.5°	13.2	13.3	12.8	13.9	12.5	13.1	13.2	12.7	12.8	12.9	12.5
90°	2.3	2.9	3.2	3.8	4.0	4.6	4.9	5.2	5.5	5.8	6.4
92.5°	15.2	23.6	39.4	65.7	94.4	92.9	75.2	51.0	37.0	27.9	23.6
95°	21.6	34.6	65.4	128.8	208.3	255.3	249.8	207.2	163.4	127.9	103.7
97.5°	26.7	36.0	56.3	102.8	186.1	272.6	316.1	308.5	277.9	243.3	209.6
100°	30.6	39.2	55.9	93.4	166.0	260.2	332.2	354.4	340.3	310.6	280.6
102.5°	34.7	43.1	58.0	89.4	150.7	238.3	322.5	369.8	378.5	364.4	344.1
105°	41.5	49.6	62.2	87.9	136.0	208.9	291.6	360.8	400.2	412.9	409.8
107.5°	49.1	56.3	68.6	90.5	129.8	188.7	260.0	328.2	380.9	413.4	428.5
110°	53.9	61.4	73.2	93.1	127.9	179.2	242.1	304.3	359.1	399.7	424.1



TEST NUMBER: P333612-930

CATALOG NUMBER: S125RDIP-S1270D365U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	58.9	66.2	77.5	96.3	127.9	173.7	228.7	285.4	337.4	378.5	407.3
115°	66.5	73.8	84.5	101.1	128.8	167.7	214.1	261.6	306.3	345.8	377.2
117.5°	74.4	81.4	91.5	106.6	130.7	164.8	205.4	246.3	284.8	318.8	347.6
120°	79.2	86.4	96.5	110.4	132.6	163.4	200.6	238.0	272.6	304.3	329.6
122.5°	84.1	91.3	101.3	114.5	134.1	162.2	196.4	231.8	263.8	292.0	315.8
125°	90.7	98.2	107.8	120.2	136.9	160.8	190.8	222.7	252.1	277.2	297.9
127.5°	97.3	104.8	113.9	125.3	139.9	160.1	185.6	213.5	240.9	264.3	283.7
130°	101.4	108.9	117.8	128.8	141.8	159.6	182.1	207.7	233.1	255.6	274.3
132.5°	105.1	112.6	121.6	131.8	143.8	159.6	179.4	201.9	225.8	246.1	264.2
135°	109.8	117.6	126.5	136.0	146.7	159.6	176.0	194.5	214.3	232.8	249.2
137.5°	113.9	121.9	130.0	139.1	149.3	160.0	173.1	188.2	204.2	219.6	233.5
140°	116.4	124.2	132.6	141.2	150.4	160.2	171.7	184.7	198.2	211.5	223.6
142.5°	119.0	126.3	134.1	142.4	151.1	160.5	170.6	181.7	193.1	204.6	215.1
145°	122.8	129.4	136.9	144.1	151.8	160.2	168.8	177.8	186.7	195.7	203.4
147.5°	126.2	132.0	138.6	145.1	152.1	159.5	167.1	174.1	181.3	188.3	194.1
150°	128.5	133.4	139.7	145.8	152.1	158.7	165.7	172.0	178.4	183.8	189.0
152.5°	130.6	135.0	140.9	146.3	151.9	157.8	164.0	169.7	175.4	180.3	184.4
155°	133.1	137.1	142.0	146.7	151.2	156.2	161.3	166.2	170.9	174.9	178.1
157.5°	135.7	138.8	143.0	146.9	150.5	154.4	158.8	162.8	166.6	169.7	172.2
160°	137.1	139.7	143.5	146.9	149.9	153.3	156.8	160.5	163.4	166.2	168.3
162.5°	138.5	140.6	144.0	146.8	149.1	151.9	154.9	157.9	160.6	163.1	164.9
165°	140.1	141.8	144.1	146.3	148.1	149.9	152.1	154.4	156.5	158.2	159.6
167.5°	141.0	142.2	144.1	145.7	146.5	147.8	149.4	151.1	152.5	153.8	154.8
170°	141.8	142.6	144.1	145.2	145.8	146.7	147.8	149.3	150.1	151.0	151.6
172.5°	142.2	142.6	143.8	144.8	144.9	145.3	146.2	147.2	148.1	148.7	149.0
175°	142.6	142.6	143.5	144.1	143.8	143.8	144.1	145.0	145.0	145.5	145.5
177.5°	142.7	142.7	143.2	143.4	142.9	142.9	143.2	143.4	143.6	143.6	143.6
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333612-930

CATALOG NUMBER: S125RDIP-S1270D365U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1483.1	1477.5	1475.9	1478.0	1475.9	1477.5	1483.1	1483.6	1484.1	1488.2	1482.5
5°	1368.3	1362.0	1365.1	1363.8	1365.1	1362.0	1368.3	1374.7	1375.9	1381.7	1385.4
7.5°	1267.4	1259.5	1251.1	1253.8	1251.1	1259.5	1267.4	1267.5	1277.4	1284.8	1289.7
10°	1196.7	1190.3	1186.5	1189.7	1186.5	1190.3	1196.7	1205.0	1208.8	1217.6	1227.2
12.5°	1137.3	1133.4	1130.1	1128.7	1130.1	1133.4	1137.3	1146.0	1154.9	1165.3	1175.9
15°	1056.2	1048.6	1045.5	1037.2	1045.5	1048.6	1056.2	1063.9	1081.1	1085.5	1101.4
17.5°	981.6	979.1	970.9	967.3	970.9	979.1	981.6	988.1	996.1	1012.4	1024.3
20°	937.4	934.9	926.6	931.7	926.6	934.9	937.4	947.0	953.3	966.6	978.1
22.5°	900.8	895.2	892.5	891.0	892.5	895.2	900.8	905.2	913.6	925.9	939.0
25°	849.1	840.8	837.6	833.8	837.6	840.8	849.1	851.6	860.5	872.6	879.5
27.5°	797.4	793.0	788.8	787.8	788.8	793.0	797.4	801.0	808.8	819.3	831.9
30°	763.9	759.5	756.3	756.3	756.3	759.5	763.9	771.5	777.2	786.8	796.3
32.5°	733.9	730.5	727.3	726.8	727.3	730.5	733.9	738.0	744.7	755.3	765.3
35°	690.2	685.1	683.9	680.0	683.9	685.1	690.2	693.3	700.3	708.0	716.2
37.5°	644.8	640.6	640.5	640.1	640.5	640.6	644.8	650.4	656.2	663.1	673.3
40°	615.8	612.6	612.0	607.6	612.0	612.6	615.8	618.4	624.8	633.7	641.2
42.5°	584.8	583.2	581.0	579.1	581.0	583.2	584.8	589.9	595.3	601.6	611.2
45°	542.7	538.3	538.3	535.1	538.3	538.3	542.7	547.2	549.8	557.3	570.1
47.5°	499.3	495.9	496.2	492.9	496.2	495.9	499.3	500.7	504.8	512.3	519.3
50°	470.3	468.4	467.7	466.5	467.7	468.4	470.3	469.7	474.7	481.8	491.3
52.5°	441.3	440.4	442.9	440.0	442.9	440.4	441.3	442.7	446.3	450.7	459.7
55°	402.3	400.4	404.2	400.4	404.2	400.4	402.3	401.0	402.3	406.8	412.5
57.5°	357.4	355.6	359.1	357.2	359.1	355.6	357.4	357.7	361.5	362.2	367.2
60°	327.9	324.2	326.0	326.7	326.0	324.2	327.9	329.2	330.4	331.1	336.2
62.5°	292.9	290.6	292.0	289.0	292.0	290.6	292.9	295.6	298.5	301.7	304.7
65°	243.4	241.5	239.0	237.7	239.0	241.5	243.4	244.7	251.7	255.5	262.4
67.5°	204.5	199.9	199.8	200.8	199.8	199.9	204.5	204.2	209.4	212.4	217.1
70°	176.0	176.0	175.4	175.4	175.4	176.0	176.0	179.9	182.4	184.9	188.1
72.5°	156.2	155.7	154.6	154.1	154.6	155.7	156.2	157.5	159.0	161.6	164.7
75°	125.8	126.5	125.2	124.6	125.2	126.5	125.8	125.8	128.4	129.0	130.3
77.5°	92.9	90.3	91.6	90.3	91.6	90.3	92.9	95.5	96.4	99.1	99.3
80°	70.5	69.9	71.8	69.9	71.8	69.9	70.5	70.5	72.5	73.7	76.9
82.5°	55.8	55.2	56.1	54.6	56.1	55.2	55.8	55.3	56.2	58.0	57.6
85°	33.7	33.0	32.4	33.0	32.4	33.0	33.7	33.0	32.4	33.0	33.7
87.5°	13.0	12.5	12.5	12.5	12.5	12.5	13.0	12.5	12.9	12.8	12.7
90°	6.4	6.4	6.6	6.6	6.6	6.4	6.4	6.4	5.8	5.5	5.2
92.5°	20.0	19.2	18.8	18.3	18.8	19.2	20.0	23.6	27.9	37.0	51.0
95°	83.2	74.6	72.3	67.8	72.3	74.6	83.2	103.7	127.9	163.4	207.2
97.5°	191.8	175.7	167.4	163.6	167.4	175.7	191.8	209.6	243.3	277.9	308.5
100°	260.7	240.0	229.3	224.8	229.3	240.0	260.7	280.6	310.6	340.3	354.4
102.5°	322.8	308.0	296.4	293.0	296.4	308.0	322.8	344.1	364.4	378.5	369.8
105°	400.5	391.0	385.2	381.8	385.2	391.0	400.5	409.8	412.9	400.2	360.8
107.5°	433.2	433.2	431.2	428.9	431.2	433.2	433.2	428.5	413.4	380.9	328.2
110°	437.1	442.5	444.6	444.6	444.6	442.5	437.1	424.1	399.7	359.1	304.3



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	426.2	435.7	440.7	442.8	440.7	435.7	426.2	407.3	378.5	337.4	285.4
115°	399.7	413.4	421.5	425.3	421.5	413.4	399.7	377.2	345.8	306.3	261.6
117.5°	370.1	384.4	392.4	394.7	392.4	384.4	370.1	347.6	318.8	284.8	246.3
120°	351.0	364.8	372.6	374.9	372.6	364.8	351.0	329.6	304.3	272.6	238.0
122.5°	334.8	347.5	355.3	357.3	355.3	347.5	334.8	315.8	292.0	263.8	231.8
125°	314.1	325.9	332.2	335.1	332.2	325.9	314.1	297.9	277.2	252.1	222.7
127.5°	298.4	308.8	314.8	316.1	314.8	308.8	298.4	283.7	264.3	240.9	213.5
130°	288.7	298.2	304.0	305.7	304.0	298.2	288.7	274.3	255.6	233.1	207.7
132.5°	278.6	288.0	293.3	295.3	293.3	288.0	278.6	264.2	246.1	225.8	201.9
135°	262.0	271.4	276.6	278.3	276.6	271.4	262.0	249.2	232.8	214.3	194.5
137.5°	244.8	253.5	258.3	260.2	258.3	253.5	244.8	233.5	219.6	204.2	188.2
140°	234.2	241.7	246.1	247.5	246.1	241.7	234.2	223.6	211.5	198.2	184.7
142.5°	224.1	230.5	234.6	235.8	234.6	230.5	224.1	215.1	204.6	193.1	181.7
145°	210.3	215.2	218.4	219.6	218.4	215.2	210.3	203.4	195.7	186.7	177.8
147.5°	199.6	203.5	205.3	205.9	205.3	203.5	199.6	194.1	188.3	181.3	174.1
150°	193.3	196.8	198.0	198.2	198.0	196.8	193.3	189.0	183.8	178.4	172.0
152.5°	188.0	190.8	191.9	192.2	191.9	190.8	188.0	184.4	180.3	175.4	169.7
155°	180.9	183.0	183.8	184.1	183.8	183.0	180.9	178.1	174.9	170.9	166.2
157.5°	174.5	176.1	176.9	176.8	176.9	176.1	174.5	172.2	169.7	166.6	162.8
160°	170.3	171.7	172.3	172.0	172.3	171.7	170.3	168.3	166.2	163.4	160.5
162.5°	166.4	167.5	167.7	167.6	167.7	167.5	166.4	164.9	163.1	160.6	157.9
165°	160.8	161.3	161.3	161.3	161.3	161.3	160.8	159.6	158.2	156.5	154.4
167.5°	155.4	155.9	155.6	155.6	155.6	155.9	155.4	154.8	153.8	152.5	151.1
170°	152.1	152.5	152.5	152.1	152.5	152.5	152.1	151.6	151.0	150.1	149.3
172.5°	149.1	149.7	149.2	148.9	149.2	149.7	149.1	149.0	148.7	148.1	147.2
175°	145.5	145.8	145.2	145.0	145.2	145.8	145.5	145.5	145.5	145.0	145.0
177.5°	143.4	143.6	142.9	142.9	142.9	143.6	143.4	143.6	143.6	143.6	143.4
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333612-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1484.1	1489.7	1492.7	1499.8	1510.0	1515.2	1522.2	1527.3	1534.5	1543.1	1550.2
5°	1388.0	1403.3	1413.4	1429.3	1444.0	1458.6	1477.0	1490.4	1508.1	1528.4	1544.3
7.5°	1298.8	1317.8	1334.7	1355.8	1379.9	1398.7	1422.7	1447.2	1475.0	1503.9	1531.1
10°	1241.9	1260.9	1281.9	1307.9	1332.1	1357.5	1386.1	1414.7	1449.7	1482.1	1518.9
12.5°	1185.4	1206.5	1230.0	1259.1	1288.3	1320.9	1350.0	1382.2	1419.7	1461.8	1501.1
15°	1115.3	1135.7	1161.1	1185.9	1219.6	1255.2	1294.0	1336.5	1378.5	1425.5	1474.5
17.5°	1040.2	1062.6	1090.5	1119.3	1154.8	1196.5	1234.4	1281.1	1328.3	1383.1	1440.6
20°	991.4	1014.3	1047.3	1079.1	1111.6	1152.3	1197.3	1245.0	1295.2	1353.1	1417.2
22.5°	952.8	969.1	1001.6	1033.9	1071.9	1113.6	1157.7	1207.4	1262.2	1322.0	1389.3
25°	895.4	914.5	938.1	971.8	1011.1	1055.0	1099.5	1152.3	1211.9	1273.0	1344.8
27.5°	844.5	860.1	883.4	909.8	949.1	994.6	1041.9	1096.9	1158.2	1220.3	1295.8
30°	808.4	825.6	847.8	875.8	906.9	956.5	1004.8	1058.8	1121.1	1185.3	1262.8
32.5°	776.9	794.5	813.8	840.2	873.8	917.9	967.7	1020.7	1083.9	1150.2	1225.7
35°	732.8	744.9	762.6	788.7	821.7	857.4	908.2	964.1	1025.7	1094.4	1170.0
37.5°	682.2	697.8	715.5	738.1	767.1	805.6	852.9	909.5	966.6	1032.3	1101.4
40°	652.7	667.3	687.1	703.5	734.0	769.0	812.2	871.3	928.5	990.2	1053.1
42.5°	622.7	636.8	653.5	674.1	701.5	735.5	775.6	830.6	891.9	950.0	1002.7
45°	575.8	590.4	606.3	625.3	650.8	683.9	723.9	774.0	827.4	880.8	920.9
47.5°	530.9	544.6	559.6	579.2	602.6	634.5	670.3	714.7	766.5	812.0	840.6
50°	498.9	511.6	528.2	547.2	570.1	600.0	634.3	678.1	721.3	762.6	788.7
52.5°	467.4	481.6	498.1	514.6	536.5	566.4	598.2	635.9	677.1	710.8	732.3
55°	420.1	433.4	448.7	465.9	487.5	512.9	546.6	576.4	608.9	637.5	650.1
57.5°	374.5	386.1	400.5	418.3	437.7	461.4	488.1	516.8	539.7	559.9	574.3
60°	344.5	354.7	367.9	383.2	404.2	425.8	450.0	476.6	494.5	511.6	525.0
62.5°	314.0	323.6	336.5	350.2	368.6	388.7	411.8	433.4	450.7	462.3	477.7
65°	268.2	277.7	288.5	303.1	317.8	334.3	355.2	371.1	383.2	395.9	405.4
67.5°	225.6	233.5	243.8	255.3	267.6	283.5	299.7	312.9	321.2	328.8	340.3
70°	197.6	204.0	212.3	221.2	234.5	250.4	263.1	273.3	279.0	286.7	300.6
72.5°	169.2	176.5	184.3	193.2	204.0	217.4	228.5	238.7	242.4	248.5	257.4
75°	133.5	137.3	143.7	150.0	157.6	169.1	179.9	182.4	185.6	190.7	197.0
77.5°	100.9	104.4	106.9	111.1	117.2	126.4	132.1	135.9	136.6	138.5	144.8
80°	80.1	82.0	84.5	87.7	90.3	97.8	101.0	104.8	106.2	108.0	111.2
82.5°	58.7	60.7	62.1	64.8	68.9	71.9	75.1	78.9	79.2	80.6	81.2
85°	34.3	35.0	33.7	35.0	35.6	36.9	40.0	43.2	42.6	41.9	43.9
87.5°	13.2	13.1	12.5	13.9	12.8	13.3	13.2	13.5	14.4	15.3	16.3
90°	4.9	4.6	4.0	3.8	3.2	2.9	2.3	1.7	1.1	0.6	0.3
92.5°	75.2	92.9	94.4	65.7	39.4	23.6	15.2	10.3	6.7	4.2	3.5
95°	249.8	255.3	208.3	128.8	65.4	34.6	21.6	15.2	12.1	9.8	9.5
97.5°	316.1	272.6	186.1	102.8	56.3	36.0	26.7	21.0	17.8	16.1	15.8
100°	332.2	260.2	166.0	93.4	55.9	39.2	30.6	25.0	21.9	20.7	20.1
102.5°	322.5	238.3	150.7	89.4	58.0	43.1	34.7	29.7	26.3	25.4	25.0
105°	291.6	208.9	136.0	87.9	62.2	49.6	41.5	36.9	34.0	32.5	32.5
107.5°	260.0	188.7	129.8	90.5	68.6	56.3	49.1	44.3	41.9	40.5	39.9
110°	242.1	179.2	127.9	93.1	73.2	61.4	53.9	49.6	47.0	45.8	45.2



TEST NUMBER: P333612-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	228.7	173.7	127.9	96.3	77.5	66.2	58.9	54.6	52.0	51.1	50.5
115°	214.1	167.7	128.8	101.1	84.5	73.8	66.5	62.2	59.7	58.8	58.2
117.5°	205.4	164.8	130.7	106.6	91.5	81.4	74.4	69.5	66.9	66.0	65.1
120°	200.6	163.4	132.6	110.4	96.5	86.4	79.2	74.4	71.7	70.6	69.7
122.5°	196.4	162.2	134.1	114.5	101.3	91.3	84.1	78.8	76.1	75.2	74.6
125°	190.8	160.8	136.9	120.2	107.8	98.2	90.7	85.3	82.7	81.3	80.7
127.5°	185.6	160.1	139.9	125.3	113.9	104.8	97.3	91.5	88.1	86.3	85.4
130°	182.1	159.6	141.8	128.8	117.8	108.9	101.4	95.4	91.6	89.4	88.5
132.5°	179.4	159.6	143.8	131.8	121.6	112.6	105.1	98.8	94.7	91.9	90.7
135°	176.0	159.6	146.7	136.0	126.5	117.6	109.8	103.7	99.1	95.6	94.5
137.5°	173.1	160.0	149.3	139.1	130.0	121.9	113.9	107.9	103.3	100.1	99.2
140°	171.7	160.2	150.4	141.2	132.6	124.2	116.4	111.0	106.3	102.9	102.0
142.5°	170.6	160.5	151.1	142.4	134.1	126.3	119.0	113.7	109.1	105.8	105.3
145°	168.8	160.2	151.8	144.1	136.9	129.4	122.8	117.6	113.5	110.6	110.1
147.5°	167.1	159.5	152.1	145.1	138.6	132.0	126.2	121.7	118.0	115.4	115.1
150°	165.7	158.7	152.1	145.8	139.7	133.4	128.5	124.5	120.7	118.7	118.1
152.5°	164.0	157.8	151.9	146.3	140.9	135.0	130.6	126.8	123.5	121.7	121.4
155°	161.3	156.2	151.2	146.7	142.0	137.1	133.1	130.2	127.3	125.6	125.6
157.5°	158.8	154.4	150.5	146.9	143.0	138.8	135.7	133.2	130.8	129.4	129.5
160°	156.8	153.3	149.9	146.9	143.5	139.7	137.1	134.9	132.8	131.7	132.0
162.5°	154.9	151.9	149.1	146.8	144.0	140.6	138.5	136.7	134.9	133.8	134.0
165°	152.1	149.9	148.1	146.3	144.1	141.8	140.1	138.8	137.5	136.6	137.1
167.5°	149.4	147.8	146.5	145.7	144.1	142.2	141.0	140.2	139.5	138.9	139.3
170°	147.8	146.7	145.8	145.2	144.1	142.6	141.8	141.2	140.6	140.3	140.6
172.5°	146.2	145.3	144.9	144.8	143.8	142.6	142.2	141.9	141.3	141.0	141.5
175°	144.1	143.8	143.8	144.1	143.5	142.6	142.6	142.6	142.4	142.0	142.6
177.5°	143.2	142.9	142.9	143.4	143.2	142.7	142.7	142.9	142.7	142.7	143.2
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333612-930

CATALOG NUMBER: S125RDIP-S1270D365U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1555.8	1560.4	1567.0	1574.6	1580.7	1587.3	1590.9	1590.9	1593.9	1600.5	1609.2
5°	1560.2	1576.8	1592.7	1613.0	1628.9	1647.3	1661.3	1674.6	1686.7	1701.9	1717.8
7.5°	1558.9	1586.4	1615.0	1647.1	1682.4	1710.5	1739.4	1761.9	1784.4	1813.6	1836.5
10°	1553.9	1589.5	1628.2	1668.9	1713.4	1752.2	1787.1	1818.9	1849.4	1881.2	1909.8
12.5°	1544.7	1590.0	1637.4	1686.2	1742.4	1786.7	1831.9	1865.6	1901.3	1936.1	1971.3
15°	1531.0	1584.4	1641.6	1709.6	1778.2	1827.8	1872.3	1916.1	1949.2	1988.6	2022.3
17.5°	1502.7	1571.4	1643.4	1717.8	1783.7	1841.3	1887.9	1929.7	1964.8	2008.2	2053.9
20°	1485.9	1560.2	1635.2	1714.7	1777.6	1836.7	1881.8	1925.0	1968.9	2025.4	2081.4
22.5°	1462.5	1542.0	1621.5	1696.9	1763.3	1820.4	1867.1	1919.9	1977.5	2041.8	2109.3
25°	1425.5	1507.5	1586.3	1658.1	1723.0	1781.4	1844.9	1916.1	1986.1	2070.6	2167.8
27.5°	1378.6	1457.7	1528.0	1603.9	1668.3	1742.6	1821.9	1899.1	1999.9	2116.2	2237.6
30°	1343.5	1418.5	1485.2	1557.1	1630.1	1712.1	1801.1	1892.0	2012.1	2148.7	2293.0
32.5°	1302.8	1370.8	1437.0	1506.2	1590.5	1680.6	1775.2	1886.4	2029.9	2185.3	2334.7
35°	1232.3	1293.3	1357.5	1434.4	1524.0	1621.9	1742.6	1878.0	2051.5	2218.7	2352.8
37.5°	1158.3	1206.5	1271.0	1352.0	1449.7	1562.9	1699.9	1864.4	2042.7	2192.6	2249.7
40°	1101.4	1146.5	1214.5	1299.7	1396.3	1520.2	1674.0	1843.1	2022.3	2126.5	2122.1
42.5°	1045.0	1090.5	1156.0	1241.7	1342.4	1481.1	1639.4	1815.1	1966.3	2006.0	1923.3
45°	958.4	1000.9	1065.2	1151.6	1259.6	1405.2	1571.7	1740.1	1836.7	1772.5	1608.5
47.5°	870.2	911.5	971.1	1055.7	1173.7	1326.0	1483.4	1621.6	1635.2	1497.3	1300.6
50°	812.2	851.0	907.5	997.8	1112.1	1260.9	1412.8	1521.5	1487.8	1319.4	1116.6
52.5°	755.8	793.0	846.0	931.2	1048.1	1193.8	1329.4	1414.7	1336.8	1157.7	975.3
55°	672.4	708.0	761.4	839.5	945.7	1079.1	1198.0	1229.1	1114.8	934.3	786.8
57.5°	593.2	619.3	672.1	741.2	843.5	961.2	1046.4	1040.7	914.5	752.0	646.2
60°	540.9	564.4	614.6	678.1	775.3	880.8	940.6	915.2	787.4	653.3	551.6
62.5°	492.0	514.0	556.1	614.6	698.1	789.9	833.3	798.3	677.6	559.8	478.9
65°	418.2	434.1	467.7	521.8	587.3	650.8	689.6	638.1	531.3	442.3	381.3
67.5°	349.2	362.9	392.9	431.6	476.8	520.7	536.4	488.1	405.1	345.1	302.1
70°	304.4	317.2	337.5	373.7	403.6	434.7	442.3	399.1	329.9	284.1	257.4
72.5°	261.7	273.4	291.2	316.7	337.5	355.4	359.0	318.8	265.8	234.2	213.7
75°	199.6	209.7	221.2	230.7	244.0	247.2	246.0	214.8	186.2	165.3	153.8
77.5°	146.7	150.9	157.8	161.7	162.3	162.1	155.6	135.9	121.2	112.5	107.8
80°	113.2	116.3	118.2	119.4	120.1	113.7	106.8	94.7	89.6	84.5	78.8
82.5°	82.1	84.3	86.2	86.4	83.0	77.7	71.2	65.2	61.6	59.1	56.9
85°	44.5	45.1	44.5	41.3	36.9	35.0	33.7	32.4	31.8	31.1	31.1
87.5°	15.9	14.4	12.1	12.6	12.8	12.3	12.5	12.0	11.6	11.7	11.7
90°	0.6	1.1	1.7	2.3	2.9	3.2	3.8	4.0	4.6	4.9	5.2
92.5°	4.2	6.7	10.3	15.2	23.6	39.4	65.7	94.4	92.9	75.2	51.0
95°	9.8	12.1	15.2	21.6	34.6	65.4	128.8	208.3	255.3	249.8	207.2
97.5°	16.1	17.8	21.0	26.7	36.0	56.3	102.8	186.1	272.6	316.1	308.5
100°	20.7	21.9	25.0	30.6	39.2	55.9	93.4	166.0	260.2	332.2	354.4
102.5°	25.4	26.3	29.7	34.7	43.1	58.0	89.4	150.7	238.3	322.5	369.8
105°	32.5	34.0	36.9	41.5	49.6	62.2	87.9	136.0	208.9	291.6	360.8
107.5°	40.5	41.9	44.3	49.1	56.3	68.6	90.5	129.8	188.7	260.0	328.2
110°	45.8	47.0	49.6	53.9	61.4	73.2	93.1	127.9	179.2	242.1	304.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	51.1	52.0	54.6	58.9	66.2	77.5	96.3	127.9	173.7	228.7	285.4
115°	58.8	59.7	62.2	66.5	73.8	84.5	101.1	128.8	167.7	214.1	261.6
117.5°	66.0	66.9	69.5	74.4	81.4	91.5	106.6	130.7	164.8	205.4	246.3
120°	70.6	71.7	74.4	79.2	86.4	96.5	110.4	132.6	163.4	200.6	238.0
122.5°	75.2	76.1	78.8	84.1	91.3	101.3	114.5	134.1	162.2	196.4	231.8
125°	81.3	82.7	85.3	90.7	98.2	107.8	120.2	136.9	160.8	190.8	222.7
127.5°	86.3	88.1	91.5	97.3	104.8	113.9	125.3	139.9	160.1	185.6	213.5
130°	89.4	91.6	95.4	101.4	108.9	117.8	128.8	141.8	159.6	182.1	207.7
132.5°	91.9	94.7	98.8	105.1	112.6	121.6	131.8	143.8	159.6	179.4	201.9
135°	95.6	99.1	103.7	109.8	117.6	126.5	136.0	146.7	159.6	176.0	194.5
137.5°	100.1	103.3	107.9	113.9	121.9	130.0	139.1	149.3	160.0	173.1	188.2
140°	102.9	106.3	111.0	116.4	124.2	132.6	141.2	150.4	160.2	171.7	184.7
142.5°	105.8	109.1	113.7	119.0	126.3	134.1	142.4	151.1	160.5	170.6	181.7
145°	110.6	113.5	117.6	122.8	129.4	136.9	144.1	151.8	160.2	168.8	177.8
147.5°	115.4	118.0	121.7	126.2	132.0	138.6	145.1	152.1	159.5	167.1	174.1
150°	118.7	120.7	124.5	128.5	133.4	139.7	145.8	152.1	158.7	165.7	172.0
152.5°	121.7	123.5	126.8	130.6	135.0	140.9	146.3	151.9	157.8	164.0	169.7
155°	125.6	127.3	130.2	133.1	137.1	142.0	146.7	151.2	156.2	161.3	166.2
157.5°	129.4	130.8	133.2	135.7	138.8	143.0	146.9	150.5	154.4	158.8	162.8
160°	131.7	132.8	134.9	137.1	139.7	143.5	146.9	149.9	153.3	156.8	160.5
162.5°	133.8	134.9	136.7	138.5	140.6	144.0	146.8	149.1	151.9	154.9	157.9
165°	136.6	137.5	138.8	140.1	141.8	144.1	146.3	148.1	149.9	152.1	154.4
167.5°	138.9	139.5	140.2	141.0	142.2	144.1	145.7	146.5	147.8	149.4	151.1
170°	140.3	140.6	141.2	141.8	142.6	144.1	145.2	145.8	146.7	147.8	149.3
172.5°	141.0	141.3	141.9	142.2	142.6	143.8	144.8	144.9	145.3	146.2	147.2
175°	142.0	142.4	142.6	142.6	142.6	143.5	144.1	143.8	143.8	144.1	145.0
177.5°	142.7	142.7	142.9	142.7	142.7	143.2	143.4	142.9	142.9	143.2	143.4
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2	1548.2
2.5°	1615.8	1615.8	1624.4	1623.9	1629.5	1627.5	1628.5
5°	1736.9	1747.8	1757.3	1763.6	1773.1	1775.7	1774.4
7.5°	1862.5	1886.5	1898.2	1914.2	1917.2	1925.6	1924.7
10°	1940.3	1963.8	1981.6	1995.6	2002.5	2011.5	2012.1
12.5°	2001.3	2021.3	2037.0	2050.0	2058.5	2061.3	2063.0
15°	2048.9	2071.2	2089.6	2108.0	2118.9	2127.1	2131.6
17.5°	2097.0	2131.4	2163.9	2188.9	2203.9	2216.6	2216.5
20°	2134.1	2173.5	2214.2	2242.8	2272.1	2284.7	2286.7
22.5°	2173.8	2234.0	2286.4	2330.8	2369.2	2382.4	2387.4
25°	2256.2	2334.9	2415.7	2477.9	2522.5	2548.5	2552.3
27.5°	2355.6	2462.3	2547.2	2604.7	2641.7	2661.0	2665.2
30°	2425.8	2524.3	2600.6	2643.9	2661.0	2663.5	2654.0
32.5°	2457.4	2530.9	2561.4	2558.9	2525.2	2502.9	2494.3
35°	2418.8	2403.6	2329.2	2240.3	2172.3	2129.1	2117.6
37.5°	2201.2	2069.7	1932.9	1798.5	1726.9	1690.5	1628.0
40°	1986.7	1799.2	1656.9	1543.7	1463.0	1398.2	1382.9
42.5°	1744.7	1551.1	1408.8	1311.9	1247.4	1203.0	1183.7
45°	1402.0	1235.5	1117.9	1043.6	994.0	961.6	947.0
47.5°	1121.4	992.5	906.8	851.7	814.0	785.8	777.9
50°	967.3	864.3	791.9	745.5	716.9	695.3	686.4
52.5°	840.2	757.1	701.4	663.1	636.0	622.6	615.2
55°	693.3	621.6	581.6	551.0	535.7	525.0	519.8
57.5°	567.0	515.2	485.9	464.8	450.7	443.8	441.3
60°	496.4	455.7	429.0	412.5	402.9	394.0	391.5
62.5°	433.8	401.8	381.2	366.7	357.2	353.4	351.8
65°	349.5	328.6	313.3	304.4	296.8	295.5	294.9
67.5°	277.9	265.5	257.6	248.3	245.6	241.1	240.3
70°	237.7	229.4	219.9	216.7	213.5	209.1	209.7
72.5°	201.6	193.3	186.9	182.6	181.5	179.6	181.2
75°	147.4	144.9	142.4	139.2	137.9	137.9	137.3
77.5°	105.3	103.1	100.3	98.4	98.0	95.3	96.4
80°	76.2	73.1	71.8	72.5	70.5	69.9	69.9
82.5°	56.4	55.3	54.1	54.1	53.7	53.2	53.6
85°	31.1	30.5	30.5	29.8	29.8	29.3	29.3
87.5°	12.3	12.9	12.0	11.4	11.4	12.0	12.5
90°	5.5	5.8	6.4	6.4	6.4	6.6	6.6
92.5°	37.0	27.9	23.6	20.0	19.2	18.8	18.3
95°	163.4	127.9	103.7	83.2	74.6	72.3	67.8
97.5°	277.9	243.3	209.6	191.8	175.7	167.4	163.6
100°	340.3	310.6	280.6	260.7	240.0	229.3	224.8
102.5°	378.5	364.4	344.1	322.8	308.0	296.4	293.0
105°	400.2	412.9	409.8	400.5	391.0	385.2	381.8
107.5°	380.9	413.4	428.5	433.2	433.2	431.2	428.9
110°	359.1	399.7	424.1	437.1	442.5	444.6	444.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	337.4	378.5	407.3	426.2	435.7	440.7	442.8
115°	306.3	345.8	377.2	399.7	413.4	421.5	425.3
117.5°	284.8	318.8	347.6	370.1	384.4	392.4	394.7
120°	272.6	304.3	329.6	351.0	364.8	372.6	374.9
122.5°	263.8	292.0	315.8	334.8	347.5	355.3	357.3
125°	252.1	277.2	297.9	314.1	325.9	332.2	335.1
127.5°	240.9	264.3	283.7	298.4	308.8	314.8	316.1
130°	233.1	255.6	274.3	288.7	298.2	304.0	305.7
132.5°	225.8	246.1	264.2	278.6	288.0	293.3	295.3
135°	214.3	232.8	249.2	262.0	271.4	276.6	278.3
137.5°	204.2	219.6	233.5	244.8	253.5	258.3	260.2
140°	198.2	211.5	223.6	234.2	241.7	246.1	247.5
142.5°	193.1	204.6	215.1	224.1	230.5	234.6	235.8
145°	186.7	195.7	203.4	210.3	215.2	218.4	219.6
147.5°	181.3	188.3	194.1	199.6	203.5	205.3	205.9
150°	178.4	183.8	189.0	193.3	196.8	198.0	198.2
152.5°	175.4	180.3	184.4	188.0	190.8	191.9	192.2
155°	170.9	174.9	178.1	180.9	183.0	183.8	184.1
157.5°	166.6	169.7	172.2	174.5	176.1	176.9	176.8
160°	163.4	166.2	168.3	170.3	171.7	172.3	172.0
162.5°	160.6	163.1	164.9	166.4	167.5	167.7	167.6
165°	156.5	158.2	159.6	160.8	161.3	161.3	161.3
167.5°	152.5	153.8	154.8	155.4	155.9	155.6	155.6
170°	150.1	151.0	151.6	152.1	152.5	152.5	152.1
172.5°	148.1	148.7	149.0	149.1	149.7	149.2	148.9
175°	145.0	145.5	145.5	145.5	145.8	145.2	145.0
177.5°	143.6	143.6	143.6	143.4	143.6	142.9	142.9
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9

(END OF REPORT)