

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: P333720-935

Luminaire Tested: **S125RDIW-S1270D470U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333720-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S1270D470U935-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 470 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

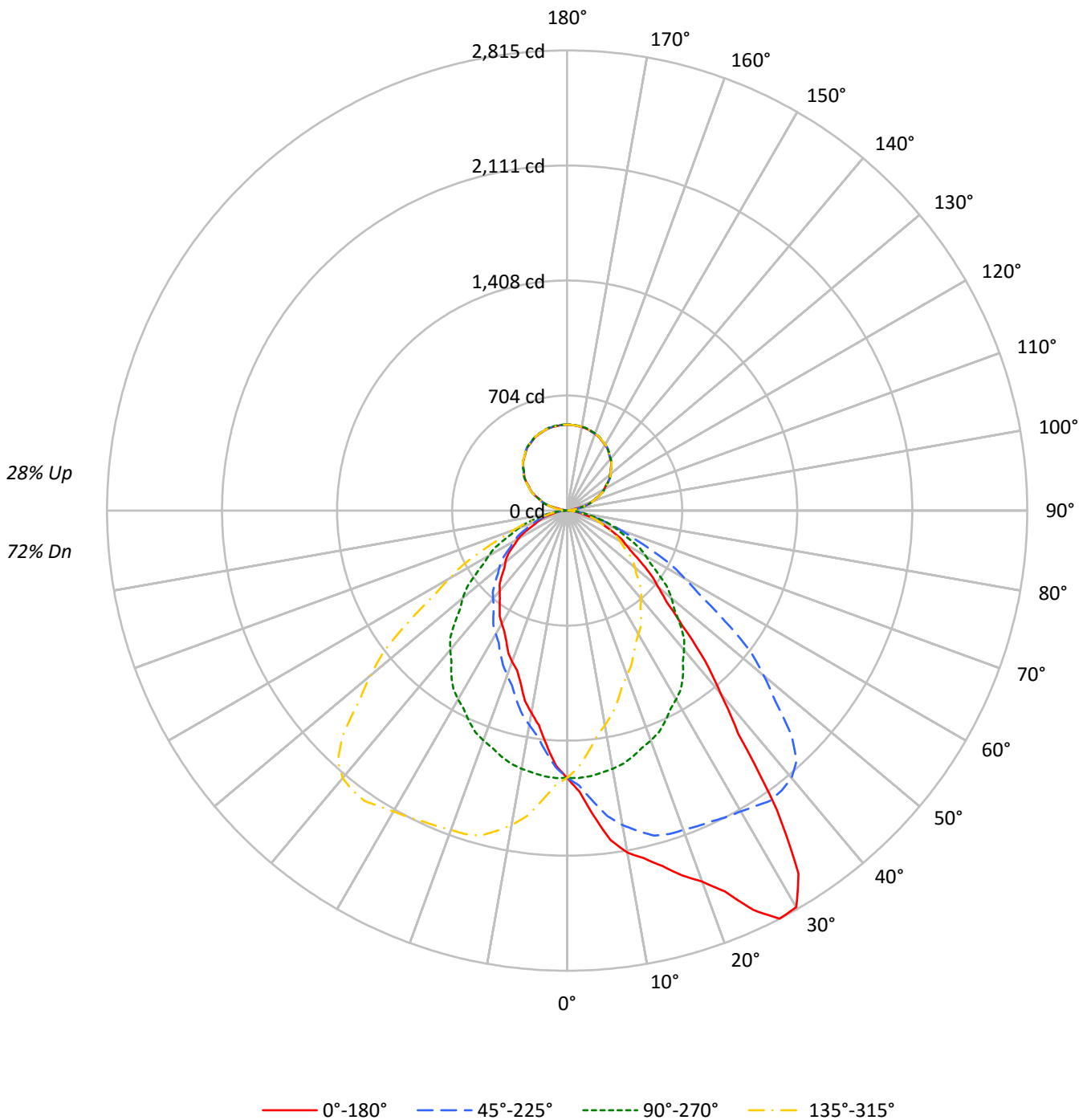
Lumens per Lamp: N/A  
Luminaire Lumens: 5850.5 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 52.4  
Input Voltage (V): 120  
Input Current (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	112	112	112	112	107	107	107	107	96	96	96	86	86	86	77	77	77	72
1	103	99	95	92	98	94	91	88	85	83	80	77	75	73	69	67	66	62
2	95	87	81	76	90	83	78	73	75	71	67	68	65	62	61	59	57	53
3	87	77	70	64	82	74	67	62	67	62	57	61	56	53	55	52	49	46
4	80	69	61	55	75	66	59	53	60	54	49	54	50	46	49	45	42	39
5	73	62	53	47	69	59	51	46	54	48	43	49	44	40	45	40	37	35
6	68	56	47	41	64	53	46	40	49	42	38	44	39	35	41	36	33	30
7	63	50	42	37	60	48	41	36	44	38	33	41	35	31	37	33	29	27
8	58	46	38	33	55	44	37	32	41	34	30	37	32	28	34	30	26	24
9	55	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24	22
10	51	39	31	26	49	37	30	26	34	29	24	32	27	23	29	25	22	20

**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	2.7
10°-20°	459.5	7.9
20°-30°	728.5	12.5
30°-40°	878.5	15.0
40°-50°	784.5	13.4
50°-60°	601.6	10.3
60°-70°	391.0	6.7
70°-80°	190.1	3.2
80°-90°	46.5	0.8
90°-100°	19.1	0.3
100°-110°	117.7	2.0
110°-120°	213.4	3.6
120°-130°	273.9	4.7
130°-140°	294.6	5.0
140°-150°	276.5	4.7
150°-160°	223.7	3.8
160°-170°	144.7	2.5
170°-180°	49.9	0.9
0°-30°	1344.7	23.0
0°-40°	2223.3	38.0
0°-60°	3609.4	61.7
0°-90°	4237.0	72.4
90°-120°	350.2	6.0
90°-150°	1195.3	20.4
90°-180°	1614.0	27.6
0°-180°	5850.5	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°	9	0	9	0	9	6
95°	8	22	8	22	8	7
105°	116	114	116	114	116	105
115°	213	215	213	215	213	212
125°	306	306	306	306	306	272
135°	380	381	380	381	380	293
145°	441	442	441	442	441	275
155°	483	487	483	487	483	223
165°	511	514	511	514	511	144
175°	523	526	523	526	523	50
180°	526	526	526	526	526	



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**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°	13.7	13.1	12.5	12.5	12.9	13.9	13.3	12.7	12.6	12.5	12.9
90°	9.4	9.1	8.9	8.6	8.4	7.9	7.5	7.1	6.6	6.2	5.6
92.5°	8.7	8.6	8.5	8.4	8.3	7.9	7.5	7.1	6.6	6.2	5.7
95°	8.2	8.2	8.2	8.2	8.2	7.9	7.5	7.1	6.6	6.2	9.6
97.5°	8.2	8.2	8.2	8.2	8.2	9.4	11.9	14.3	16.7	19.2	25.7
100°	8.2	8.5	8.9	9.2	9.6	16.2	29.1	42.0	54.8	67.8	67.4
102.5°	49.0	54.8	60.8	66.6	72.6	76.7	79.1	81.6	84.0	86.4	86.3
105°	115.7	115.8	115.9	116.0	116.1	116.1	116.1	116.1	116.1	116.1	116.1
107.5°	145.9	146.1	146.4	146.6	146.9	147.0	147.0	147.0	147.0	146.9	146.7
110°	166.7	166.6	166.5	166.4	166.3	166.4	166.7	166.9	167.2	167.5	167.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	185.4	185.5	185.6	185.8	185.9	186.1	186.4	186.8	187.1	187.4	187.4
115°	213.4	214.0	214.5	215.0	215.5	215.9	216.3	216.6	217.0	217.3	217.2
117.5°	243.4	243.6	243.8	244.0	244.3	244.6	245.0	245.5	246.0	246.4	246.1
120°	261.7	262.2	262.6	263.0	263.5	263.8	264.0	264.2	264.3	264.5	264.2
122.5°	279.2	279.7	280.2	280.7	281.2	281.5	281.7	281.9	282.1	282.2	282.1
125°	305.7	306.0	306.3	306.5	306.8	307.1	307.5	307.8	308.2	308.5	308.5
127.5°	328.1	328.7	329.4	330.0	330.7	331.1	331.3	331.5	331.7	331.8	331.9
130°	344.3	344.7	345.2	345.6	346.0	346.4	346.6	346.9	347.2	347.4	347.3
132.5°	359.3	359.7	360.2	360.6	361.0	361.3	361.3	361.4	361.4	361.4	361.6
135°	379.8	380.3	380.8	381.3	381.9	382.2	382.4	382.5	382.7	382.9	383.1
137.5°	400.4	400.8	401.2	401.7	402.2	402.3	402.3	402.3	402.3	402.2	402.3
140°	412.5	413.0	413.5	414.1	414.6	414.7	414.6	414.4	414.2	414.1	414.1
142.5°	424.0	424.6	425.1	425.6	426.1	426.4	426.3	426.3	426.2	426.2	426.1
145°	440.9	441.4	442.0	442.5	443.0	443.2	443.2	443.1	443.0	442.9	442.9
147.5°	454.9	455.5	456.2	456.8	457.4	457.6	457.5	457.4	457.3	457.2	457.1
150°	463.9	464.6	465.3	466.0	466.7	466.9	466.7	466.6	466.4	466.2	466.1
152.5°	472.3	472.9	473.6	474.2	474.8	475.0	474.8	474.7	474.5	474.3	474.2
155°	483.4	484.1	484.7	485.4	486.1	486.4	486.1	485.9	485.6	485.3	485.2
157.5°	492.7	493.4	494.0	494.7	495.4	495.6	495.3	495.1	494.8	494.6	494.5
160°	498.6	499.3	500.0	500.7	501.4	501.5	501.2	500.8	500.5	500.2	500.1
162.5°	503.9	504.6	505.4	506.2	507.0	507.0	506.6	506.1	505.6	505.1	505.1
165°	511.0	511.7	512.4	513.2	513.8	513.9	513.4	512.9	512.3	511.8	511.7
167.5°	516.0	516.8	517.5	518.3	519.2	519.2	518.6	518.0	517.4	516.7	516.6
170°	518.8	519.6	520.4	521.2	521.9	522.0	521.3	520.6	519.9	519.2	519.1
172.5°	520.7	521.5	522.3	523.1	523.8	523.9	523.2	522.6	522.0	521.4	521.2
175°	523.1	523.9	524.7	525.5	526.2	526.2	525.6	524.9	524.2	523.5	523.4
177.5°	524.5	525.0	525.6	526.2	526.8	526.8	526.2	525.8	525.3	524.9	524.8
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



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**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°	13.3	13.3	13.7	13.5	12.8	15.4	16.9	17.2	16.4	15.4	14.5
90°	5.0	4.4	3.8	3.2	2.5	1.8	1.1	0.4	1.1	1.8	2.5
92.5°	5.2	4.6	4.0	4.0	4.6	5.0	5.5	6.0	5.5	5.0	4.6
95°	12.8	16.1	19.4	21.2	21.4	21.7	22.0	22.2	22.0	21.7	21.4
97.5°	32.2	38.7	45.2	48.2	47.8	47.3	46.8	46.3	46.8	47.3	47.8
100°	67.1	66.7	66.4	66.1	65.9	65.6	65.3	65.0	65.3	65.6	65.9
102.5°	86.0	85.8	85.7	85.4	85.1	84.7	84.4	84.0	84.4	84.7	85.1
105°	116.1	116.1	116.1	115.9	115.5	115.2	114.9	114.5	114.9	115.2	115.5
107.5°	146.5	146.4	146.2	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1
110°	167.1	166.9	166.8	166.7	166.7	166.7	166.7	166.7	166.7	166.7	166.7





TEST NUMBER: P333720-935

CATALOG NUMBER: S125RDIW-S1270D470U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	187.3	187.1	187.0	186.8	186.7	186.4	186.2	186.1	186.2	186.4	186.7
115°	217.1	217.1	217.0	216.7	216.3	215.9	215.4	215.0	215.4	215.9	216.3
117.5°	245.7	245.4	245.1	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0
120°	264.0	263.7	263.5	263.4	263.5	263.6	263.6	263.7	263.6	263.6	263.5
122.5°	282.0	281.9	281.7	281.5	281.2	280.9	280.5	280.3	280.5	280.9	281.2
125°	308.5	308.5	308.5	308.2	307.5	306.9	306.3	305.7	306.3	306.9	307.5
127.5°	332.0	332.0	332.1	331.9	331.5	331.1	330.6	330.1	330.6	331.1	331.5
130°	347.2	347.2	347.1	346.8	346.4	345.9	345.5	345.1	345.5	345.9	346.4
132.5°	361.9	362.1	362.2	362.1	361.5	361.1	360.6	360.1	360.6	361.1	361.5
135°	383.2	383.4	383.6	383.4	382.9	382.4	381.9	381.3	381.9	382.4	382.9
137.5°	402.5	402.7	402.9	402.7	402.3	401.7	401.3	400.9	401.3	401.7	402.3
140°	414.2	414.3	414.4	414.3	414.1	414.0	413.8	413.6	413.8	414.0	414.1
142.5°	425.9	425.9	425.7	425.6	425.5	425.4	425.3	425.2	425.3	425.4	425.5
145°	442.9	442.9	442.9	442.8	442.6	442.5	442.3	442.1	442.3	442.5	442.6
147.5°	457.0	456.9	456.8	456.8	456.8	456.8	456.8	456.9	456.8	456.8	456.8
150°	465.9	465.7	465.5	465.5	465.7	465.9	466.1	466.2	466.1	465.9	465.7
152.5°	474.0	473.8	473.6	473.7	474.2	474.5	474.9	475.3	474.9	474.5	474.2
155°	485.0	484.8	484.7	484.8	485.3	485.9	486.4	486.9	486.4	485.9	485.3
157.5°	494.5	494.5	494.5	494.6	494.9	495.2	495.5	495.8	495.5	495.2	494.9
160°	500.0	499.9	499.8	500.0	500.5	501.0	501.5	502.0	501.5	501.0	500.5
162.5°	505.0	504.9	504.8	505.0	505.5	506.0	506.5	507.0	506.5	506.0	505.5
165°	511.6	511.5	511.4	511.7	512.2	512.7	513.2	513.8	513.2	512.7	512.2
167.5°	516.5	516.4	516.3	516.6	517.1	517.7	518.2	518.8	518.2	517.7	517.1
170°	519.0	518.9	518.8	519.1	519.7	520.3	521.0	521.6	521.0	520.3	519.7
172.5°	521.1	520.9	520.8	521.0	521.6	522.2	522.8	523.4	522.8	522.2	521.6
175°	523.3	523.2	523.1	523.4	523.9	524.4	525.0	525.5	525.0	524.4	523.9
177.5°	524.7	524.6	524.5	524.7	525.1	525.6	526.0	526.4	526.0	525.6	525.1
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333720-935

CATALOG NUMBER: S125RDIW-S1270D470U935-4F0-1E-UDD-A

**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°	14.0	14.2	13.8	15.0	13.4	14.1	14.2	13.8	13.9	13.9	13.4
90°	3.2	3.8	4.4	5.0	5.6	6.2	6.6	7.1	7.5	7.9	8.4
92.5°	4.0	4.0	4.6	5.2	5.7	6.2	6.6	7.1	7.5	7.9	8.3
95°	21.2	19.4	16.1	12.8	9.6	6.2	6.6	7.1	7.5	7.9	8.2
97.5°	48.2	45.2	38.7	32.2	25.7	19.2	16.7	14.3	11.9	9.4	8.2
100°	66.1	66.4	66.7	67.1	67.4	67.8	54.8	42.0	29.1	16.2	9.6
102.5°	85.4	85.7	85.8	86.0	86.3	86.4	84.0	81.6	79.1	76.7	72.6
105°	115.9	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1
107.5°	146.1	146.2	146.4	146.5	146.7	146.9	147.0	147.0	147.0	147.0	146.9
110°	166.7	166.8	166.9	167.1	167.3	167.5	167.2	166.9	166.7	166.4	166.3



TEST NUMBER: P333720-935

CATALOG NUMBER: S125RDIW-S1270D470U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	186.8	187.0	187.1	187.3	187.4	187.4	187.1	186.8	186.4	186.1	185.9
115°	216.7	217.0	217.1	217.1	217.2	217.3	217.0	216.6	216.3	215.9	215.5
117.5°	245.0	245.1	245.4	245.7	246.1	246.4	246.0	245.5	245.0	244.6	244.3
120°	263.4	263.5	263.7	264.0	264.2	264.5	264.3	264.2	264.0	263.8	263.5
122.5°	281.5	281.7	281.9	282.0	282.1	282.2	282.1	281.9	281.7	281.5	281.2
125°	308.2	308.5	308.5	308.5	308.5	308.5	308.2	307.8	307.5	307.1	306.8
127.5°	331.9	332.1	332.0	332.0	331.9	331.8	331.7	331.5	331.3	331.1	330.7
130°	346.8	347.1	347.2	347.2	347.3	347.4	347.2	346.9	346.6	346.4	346.0
132.5°	362.1	362.2	362.1	361.9	361.6	361.4	361.4	361.4	361.3	361.3	361.0
135°	383.4	383.6	383.4	383.2	383.1	382.9	382.7	382.5	382.4	382.2	381.9
137.5°	402.7	402.9	402.7	402.5	402.3	402.2	402.3	402.3	402.3	402.3	402.2
140°	414.3	414.4	414.3	414.2	414.1	414.1	414.2	414.4	414.6	414.7	414.6
142.5°	425.6	425.7	425.9	425.9	426.1	426.2	426.2	426.3	426.3	426.4	426.1
145°	442.8	442.9	442.9	442.9	442.9	442.9	443.0	443.1	443.2	443.2	443.0
147.5°	456.8	456.8	456.9	457.0	457.1	457.2	457.3	457.4	457.5	457.6	457.4
150°	465.5	465.5	465.7	465.9	466.1	466.2	466.4	466.6	466.7	466.9	466.7
152.5°	473.7	473.6	473.8	474.0	474.2	474.3	474.5	474.7	474.8	475.0	474.8
155°	484.8	484.7	484.8	485.0	485.2	485.3	485.6	485.9	486.1	486.4	486.1
157.5°	494.6	494.5	494.5	494.5	494.5	494.6	494.8	495.1	495.3	495.6	495.4
160°	500.0	499.8	499.9	500.0	500.1	500.2	500.5	500.8	501.2	501.5	501.4
162.5°	505.0	504.8	504.9	505.0	505.1	505.1	505.6	506.1	506.6	507.0	507.0
165°	511.7	511.4	511.5	511.6	511.7	511.8	512.3	512.9	513.4	513.9	513.8
167.5°	516.6	516.3	516.4	516.5	516.6	516.7	517.4	518.0	518.6	519.2	519.2
170°	519.1	518.8	518.9	519.0	519.1	519.2	519.9	520.6	521.3	522.0	521.9
172.5°	521.0	520.8	520.9	521.1	521.2	521.4	522.0	522.6	523.2	523.9	523.8
175°	523.4	523.1	523.2	523.3	523.4	523.5	524.2	524.9	525.6	526.2	526.2
177.5°	524.7	524.5	524.6	524.7	524.8	524.9	525.3	525.8	526.2	526.8	526.8
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333720-935

CATALOG NUMBER: S125RDIW-S1270D470U935-4F0-1E-UDD-A

**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°	14.0	13.6	13.6	13.7	13.6	13.6	14.0	13.4	13.9	13.9	13.8
90°	8.6	8.9	9.1	9.4	9.1	8.9	8.6	8.4	7.9	7.5	7.1
92.5°	8.4	8.5	8.6	8.7	8.6	8.5	8.4	8.3	7.9	7.5	7.1
95°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.9	7.5	7.1
97.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.4	11.9	14.3
100°	9.2	8.9	8.5	8.2	8.5	8.9	9.2	9.6	16.2	29.1	42.0
102.5°	66.6	60.8	54.8	49.0	54.8	60.8	66.6	72.6	76.7	79.1	81.6
105°	116.0	115.9	115.8	115.7	115.8	115.9	116.0	116.1	116.1	116.1	116.1
107.5°	146.6	146.4	146.1	145.9	146.1	146.4	146.6	146.9	147.0	147.0	147.0
110°	166.4	166.5	166.6	166.7	166.6	166.5	166.4	166.3	166.4	166.7	166.9



TEST NUMBER: P333720-935

CATALOG NUMBER: S125RDIW-S1270D470U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	185.8	185.6	185.5	185.4	185.5	185.6	185.8	185.9	186.1	186.4	186.8
115°	215.0	214.5	214.0	213.4	214.0	214.5	215.0	215.5	215.9	216.3	216.6
117.5°	244.0	243.8	243.6	243.4	243.6	243.8	244.0	244.3	244.6	245.0	245.5
120°	263.0	262.6	262.2	261.7	262.2	262.6	263.0	263.5	263.8	264.0	264.2
122.5°	280.7	280.2	279.7	279.2	279.7	280.2	280.7	281.2	281.5	281.7	281.9
125°	306.5	306.3	306.0	305.7	306.0	306.3	306.5	306.8	307.1	307.5	307.8
127.5°	330.0	329.4	328.7	328.1	328.7	329.4	330.0	330.7	331.1	331.3	331.5
130°	345.6	345.2	344.7	344.3	344.7	345.2	345.6	346.0	346.4	346.6	346.9
132.5°	360.6	360.2	359.7	359.3	359.7	360.2	360.6	361.0	361.3	361.3	361.4
135°	381.3	380.8	380.3	379.8	380.3	380.8	381.3	381.9	382.2	382.4	382.5
137.5°	401.7	401.2	400.8	400.4	400.8	401.2	401.7	402.2	402.3	402.3	402.3
140°	414.1	413.5	413.0	412.5	413.0	413.5	414.1	414.6	414.7	414.6	414.4
142.5°	425.6	425.1	424.6	424.0	424.6	425.1	425.6	426.1	426.4	426.3	426.3
145°	442.5	442.0	441.4	440.9	441.4	442.0	442.5	443.0	443.2	443.2	443.1
147.5°	456.8	456.2	455.5	454.9	455.5	456.2	456.8	457.4	457.6	457.5	457.4
150°	466.0	465.3	464.6	463.9	464.6	465.3	466.0	466.7	466.9	466.7	466.6
152.5°	474.2	473.6	472.9	472.3	472.9	473.6	474.2	474.8	475.0	474.8	474.7
155°	485.4	484.7	484.1	483.4	484.1	484.7	485.4	486.1	486.4	486.1	485.9
157.5°	494.7	494.0	493.4	492.7	493.4	494.0	494.7	495.4	495.6	495.3	495.1
160°	500.7	500.0	499.3	498.6	499.3	500.0	500.7	501.4	501.5	501.2	500.8
162.5°	506.2	505.4	504.6	503.9	504.6	505.4	506.2	507.0	507.0	506.6	506.1
165°	513.2	512.4	511.7	511.0	511.7	512.4	513.2	513.8	513.9	513.4	512.9
167.5°	518.3	517.5	516.8	516.0	516.8	517.5	518.3	519.2	519.2	518.6	518.0
170°	521.2	520.4	519.6	518.8	519.6	520.4	521.2	521.9	522.0	521.3	520.6
172.5°	523.1	522.3	521.5	520.7	521.5	522.3	523.1	523.8	523.9	523.2	522.6
175°	525.5	524.7	523.9	523.1	523.9	524.7	525.5	526.2	526.2	525.6	524.9
177.5°	526.2	525.6	525.0	524.5	525.0	525.6	526.2	526.8	526.8	526.2	525.8
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333720-935

CATALOG NUMBER: S125RDIW-S1270D470U935-4F0-1E-UDD-A

**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°	14.2	14.1	13.4	15.0	13.8	14.2	14.0	14.5	15.4	16.4	17.2
90°	6.6	6.2	5.6	5.0	4.4	3.8	3.2	2.5	1.8	1.1	0.4
92.5°	6.6	6.2	5.7	5.2	4.6	4.0	4.0	4.6	5.0	5.5	6.0
95°	6.6	6.2	9.6	12.8	16.1	19.4	21.2	21.4	21.7	22.0	22.2
97.5°	16.7	19.2	25.7	32.2	38.7	45.2	48.2	47.8	47.3	46.8	46.3
100°	54.8	67.8	67.4	67.1	66.7	66.4	66.1	65.9	65.6	65.3	65.0
102.5°	84.0	86.4	86.3	86.0	85.8	85.7	85.4	85.1	84.7	84.4	84.0
105°	116.1	116.1	116.1	116.1	116.1	116.1	115.9	115.5	115.2	114.9	114.5
107.5°	147.0	146.9	146.7	146.5	146.4	146.2	146.1	146.1	146.1	146.1	146.1
110°	167.2	167.5	167.3	167.1	166.9	166.8	166.7	166.7	166.7	166.7	166.7



TEST NUMBER: P333720-935

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	187.1	187.4	187.4	187.3	187.1	187.0	186.8	186.7	186.4	186.2	186.1
115°	217.0	217.3	217.2	217.1	217.1	217.0	216.7	216.3	215.9	215.4	215.0
117.5°	246.0	246.4	246.1	245.7	245.4	245.1	245.0	245.0	245.0	245.0	245.0
120°	264.3	264.5	264.2	264.0	263.7	263.5	263.4	263.5	263.6	263.6	263.7
122.5°	282.1	282.2	282.1	282.0	281.9	281.7	281.5	281.2	280.9	280.5	280.3
125°	308.2	308.5	308.5	308.5	308.5	308.5	308.2	307.5	306.9	306.3	305.7
127.5°	331.7	331.8	331.9	332.0	332.0	332.1	331.9	331.5	331.1	330.6	330.1
130°	347.2	347.4	347.3	347.2	347.2	347.1	346.8	346.4	345.9	345.5	345.1
132.5°	361.4	361.4	361.6	361.9	362.1	362.2	362.1	361.5	361.1	360.6	360.1
135°	382.7	382.9	383.1	383.2	383.4	383.6	383.4	382.9	382.4	381.9	381.3
137.5°	402.3	402.2	402.3	402.5	402.7	402.9	402.7	402.3	401.7	401.3	400.9
140°	414.2	414.1	414.1	414.2	414.3	414.4	414.3	414.1	414.0	413.8	413.6
142.5°	426.2	426.2	426.1	425.9	425.9	425.7	425.6	425.5	425.4	425.3	425.2
145°	443.0	442.9	442.9	442.9	442.9	442.9	442.8	442.6	442.5	442.3	442.1
147.5°	457.3	457.2	457.1	457.0	456.9	456.8	456.8	456.8	456.8	456.8	456.9
150°	466.4	466.2	466.1	465.9	465.7	465.5	465.5	465.7	465.9	466.1	466.2
152.5°	474.5	474.3	474.2	474.0	473.8	473.6	473.7	474.2	474.5	474.9	475.3
155°	485.6	485.3	485.2	485.0	484.8	484.7	484.8	485.3	485.9	486.4	486.9
157.5°	494.8	494.6	494.5	494.5	494.5	494.5	494.6	494.9	495.2	495.5	495.8
160°	500.5	500.2	500.1	500.0	499.9	499.8	500.0	500.5	501.0	501.5	502.0
162.5°	505.6	505.1	505.1	505.0	504.9	504.8	505.0	505.5	506.0	506.5	507.0
165°	512.3	511.8	511.7	511.6	511.5	511.4	511.7	512.2	512.7	513.2	513.8
167.5°	517.4	516.7	516.6	516.5	516.4	516.3	516.6	517.1	517.7	518.2	518.8
170°	519.9	519.2	519.1	519.0	518.9	518.8	519.1	519.7	520.3	521.0	521.6
172.5°	522.0	521.4	521.2	521.1	520.9	520.8	521.0	521.6	522.2	522.8	523.4
175°	524.2	523.5	523.4	523.3	523.2	523.1	523.4	523.9	524.4	525.0	525.5
177.5°	525.3	524.9	524.8	524.7	524.6	524.5	524.7	525.1	525.6	526.0	526.4
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333720-935

CATALOG NUMBER: S125RDIW-S1270D470U935-4F0-1E-UDD-A

**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°	16.9	15.4	12.8	13.5	13.7	13.3	13.3	12.9	12.5	12.6	12.7
90°	1.1	1.8	2.5	3.2	3.8	4.4	5.0	5.6	6.2	6.6	7.1
92.5°	5.5	5.0	4.6	4.0	4.0	4.6	5.2	5.7	6.2	6.6	7.1
95°	22.0	21.7	21.4	21.2	19.4	16.1	12.8	9.6	6.2	6.6	7.1
97.5°	46.8	47.3	47.8	48.2	45.2	38.7	32.2	25.7	19.2	16.7	14.3
100°	65.3	65.6	65.9	66.1	66.4	66.7	67.1	67.4	67.8	54.8	42.0
102.5°	84.4	84.7	85.1	85.4	85.7	85.8	86.0	86.3	86.4	84.0	81.6
105°	114.9	115.2	115.5	115.9	116.1	116.1	116.1	116.1	116.1	116.1	116.1
107.5°	146.1	146.1	146.1	146.1	146.2	146.4	146.5	146.7	146.9	147.0	147.0
110°	166.7	166.7	166.7	166.7	166.8	166.9	167.1	167.3	167.5	167.2	166.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	186.2	186.4	186.7	186.8	187.0	187.1	187.3	187.4	187.4	187.1	186.8
115°	215.4	215.9	216.3	216.7	217.0	217.1	217.1	217.2	217.3	217.0	216.6
117.5°	245.0	245.0	245.0	245.0	245.1	245.4	245.7	246.1	246.4	246.0	245.5
120°	263.6	263.6	263.5	263.4	263.5	263.7	264.0	264.2	264.5	264.3	264.2
122.5°	280.5	280.9	281.2	281.5	281.7	281.9	282.0	282.1	282.2	282.1	281.9
125°	306.3	306.9	307.5	308.2	308.5	308.5	308.5	308.5	308.5	308.2	307.8
127.5°	330.6	331.1	331.5	331.9	332.1	332.0	332.0	331.9	331.8	331.7	331.5
130°	345.5	345.9	346.4	346.8	347.1	347.2	347.2	347.3	347.4	347.2	346.9
132.5°	360.6	361.1	361.5	362.1	362.2	362.1	361.9	361.6	361.4	361.4	361.4
135°	381.9	382.4	382.9	383.4	383.6	383.4	383.2	383.1	382.9	382.7	382.5
137.5°	401.3	401.7	402.3	402.7	402.9	402.7	402.5	402.3	402.2	402.3	402.3
140°	413.8	414.0	414.1	414.3	414.4	414.3	414.2	414.1	414.1	414.2	414.4
142.5°	425.3	425.4	425.5	425.6	425.7	425.9	425.9	426.1	426.2	426.2	426.3
145°	442.3	442.5	442.6	442.8	442.9	442.9	442.9	442.9	442.9	443.0	443.1
147.5°	456.8	456.8	456.8	456.8	456.8	456.9	457.0	457.1	457.2	457.3	457.4
150°	466.1	465.9	465.7	465.5	465.5	465.7	465.9	466.1	466.2	466.4	466.6
152.5°	474.9	474.5	474.2	473.7	473.6	473.8	474.0	474.2	474.3	474.5	474.7
155°	486.4	485.9	485.3	484.8	484.7	484.8	485.0	485.2	485.3	485.6	485.9
157.5°	495.5	495.2	494.9	494.6	494.5	494.5	494.5	494.5	494.6	494.8	495.1
160°	501.5	501.0	500.5	500.0	499.8	499.9	500.0	500.1	500.2	500.5	500.8
162.5°	506.5	506.0	505.5	505.0	504.8	504.9	505.0	505.1	505.1	505.6	506.1
165°	513.2	512.7	512.2	511.7	511.4	511.5	511.6	511.7	511.8	512.3	512.9
167.5°	518.2	517.7	517.1	516.6	516.3	516.4	516.5	516.6	516.7	517.4	518.0
170°	521.0	520.3	519.7	519.1	518.8	518.9	519.0	519.1	519.2	519.9	520.6
172.5°	522.8	522.2	521.6	521.0	520.8	520.9	521.1	521.2	521.4	522.0	522.6
175°	525.0	524.4	523.9	523.4	523.1	523.2	523.3	523.4	523.5	524.2	524.9
177.5°	526.0	525.6	525.1	524.7	524.5	524.6	524.7	524.8	524.9	525.3	525.8
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



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**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°	13.3	13.9	12.9	12.5	12.5	13.1	13.7
90°	7.5	7.9	8.4	8.6	8.9	9.1	9.4
92.5°	7.5	7.9	8.3	8.4	8.5	8.6	8.7
95°	7.5	7.9	8.2	8.2	8.2	8.2	8.2
97.5°	11.9	9.4	8.2	8.2	8.2	8.2	8.2
100°	29.1	16.2	9.6	9.2	8.9	8.5	8.2
102.5°	79.1	76.7	72.6	66.6	60.8	54.8	49.0
105°	116.1	116.1	116.1	116.0	115.9	115.8	115.7
107.5°	147.0	147.0	146.9	146.6	146.4	146.1	145.9
110°	166.7	166.4	166.3	166.4	166.5	166.6	166.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	186.4	186.1	185.9	185.8	185.6	185.5	185.4
115°	216.3	215.9	215.5	215.0	214.5	214.0	213.4
117.5°	245.0	244.6	244.3	244.0	243.8	243.6	243.4
120°	264.0	263.8	263.5	263.0	262.6	262.2	261.7
122.5°	281.7	281.5	281.2	280.7	280.2	279.7	279.2
125°	307.5	307.1	306.8	306.5	306.3	306.0	305.7
127.5°	331.3	331.1	330.7	330.0	329.4	328.7	328.1
130°	346.6	346.4	346.0	345.6	345.2	344.7	344.3
132.5°	361.3	361.3	361.0	360.6	360.2	359.7	359.3
135°	382.4	382.2	381.9	381.3	380.8	380.3	379.8
137.5°	402.3	402.3	402.2	401.7	401.2	400.8	400.4
140°	414.6	414.7	414.6	414.1	413.5	413.0	412.5
142.5°	426.3	426.4	426.1	425.6	425.1	424.6	424.0
145°	443.2	443.2	443.0	442.5	442.0	441.4	440.9
147.5°	457.5	457.6	457.4	456.8	456.2	455.5	454.9
150°	466.7	466.9	466.7	466.0	465.3	464.6	463.9
152.5°	474.8	475.0	474.8	474.2	473.6	472.9	472.3
155°	486.1	486.4	486.1	485.4	484.7	484.1	483.4
157.5°	495.3	495.6	495.4	494.7	494.0	493.4	492.7
160°	501.2	501.5	501.4	500.7	500.0	499.3	498.6
162.5°	506.6	507.0	507.0	506.2	505.4	504.6	503.9
165°	513.4	513.9	513.8	513.2	512.4	511.7	511.0
167.5°	518.6	519.2	519.2	518.3	517.5	516.8	516.0
170°	521.3	522.0	521.9	521.2	520.4	519.6	518.8
172.5°	523.2	523.9	523.8	523.1	522.3	521.5	520.7
175°	525.6	526.2	526.2	525.5	524.7	523.9	523.1
177.5°	526.2	526.8	526.8	526.2	525.6	525.0	524.5
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5

(END OF REPORT)