

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: P333721-940

Luminaire Tested: **S125RDIW-S1270D470U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333721-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S1270D470U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5837.3 lumens
Efficiency: N/A
Efficacy: 111.4 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

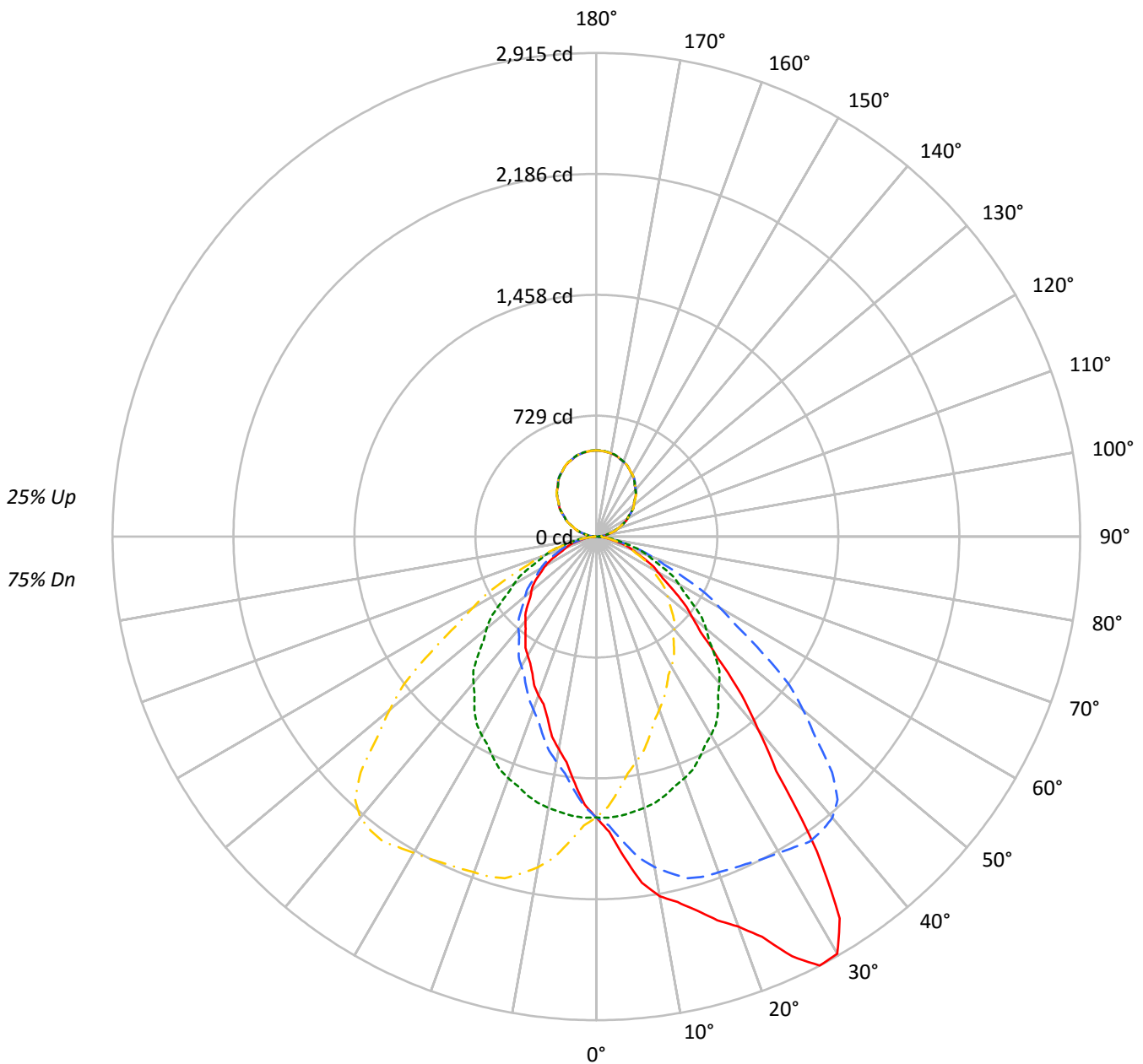
Input Watts (W): 52.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



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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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	104	100	96	93	99	95	92	89	87	84	82	79	77	75	71	70	68	65
2	95	88	82	77	90	84	79	74	77	72	69	70	66	63	63	61	58	55
3	87	78	70	65	83	74	68	62	68	63	58	62	58	54	57	53	50	47
4	80	69	61	55	76	66	59	54	61	55	50	56	51	47	51	47	44	41
5	74	62	54	48	70	60	52	46	55	48	44	50	45	41	46	42	38	36
6	68	56	48	42	65	54	46	41	50	43	38	46	40	36	42	38	34	32
7	63	51	43	37	60	49	41	36	45	39	34	42	36	32	38	34	30	28
8	59	46	38	33	56	45	37	32	41	35	31	38	33	29	35	31	27	25
9	55	42	35	30	52	41	34	29	38	32	27	35	30	26	33	28	25	23
10	51	39	32	27	49	38	31	26	35	29	25	33	27	24	30	26	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10936	10936	10936	10936
5°	12582	10950	9671	10950
10°	14432	10895	8533	10895
15°	15588	10783	7585	10783
20°	17189	10654	7003	10654
25°	19892	10481	6499	10481
30°	21647	10300	6169	10300
35°	18260	10089	5864	10089
40°	12752	9711	5602	9711
45°	9460	9199	5345	9199
50°	7543	8667	5126	8667
55°	6402	8007	4931	8007
60°	5531	7417	4615	7417
65°	4928	6776	3972	6776
70°	4330	6209	3622	6209
75°	3748	5375	3401	5375
80°	2841	4523	2841	4523
85°	2371	3557	2675	3557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	2.8
10°-20°	475.9	8.2
20°-30°	754.5	12.9
30°-40°	909.8	15.6
40°-50°	812.5	13.9
50°-60°	623.1	10.7
60°-70°	404.9	6.9
70°-80°	196.9	3.4
80°-90°	48.1	0.8
90°-100°	34.8	0.6
100°-110°	102.7	1.8
110°-120°	174.0	3.0
120°-130°	229.0	3.9
130°-140°	256.6	4.4
140°-150°	251.5	4.3
150°-160°	211.2	3.6
160°-170°	140.4	2.4
170°-180°	49.1	0.8
0°-30°	1392.7	23.9
0°-40°	2302.6	39.4
0°-60°	3738.2	64.0
0°-90°	4388.1	75.2
90°-120°	311.5	5.3
90°-150°	1048.5	18.0
90°-180°	1449.0	24.8
0°-180°	5837.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1693	1693	1693	1693	1693	
5°	1941	1689	1492	1689	1941	194
15°	2331	1613	1134	1613	2331	668
25°	2792	1471	912	1471	2792	1282
35°	2316	1280	744	1280	2316	1399
45°	1036	1007	585	1007	1036	826
55°	569	711	438	711	569	516
65°	322	443	260	443	322	321
75°	150	215	136	215	150	160
85°	32	48	36	48	32	37
90°	10	0	10	0	10	7
95°	35	26	35	26	35	35
105°	100	92	100	92	100	106
115°	176	174	176	174	176	174
125°	256	254	256	254	256	228
135°	332	331	332	331	332	256
145°	402	401	402	401	402	251
155°	458	458	458	458	458	211
165°	497	498	497	498	497	140
175°	516	518	516	518	516	49
180°	519	519	519	519	519	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1781.1	1780.0	1782.3	1776.1	1776.6	1767.2	1767.2	1760.0	1750.5	1743.3	1740.0
5°	1940.7	1942.1	1939.3	1928.9	1922.0	1911.6	1899.7	1878.8	1861.4	1844.8	1831.6
7.5°	2105.1	2106.0	2096.9	2093.6	2076.1	2063.3	2037.0	2008.7	1983.5	1951.6	1927.1
10°	2200.7	2200.0	2190.2	2182.6	2167.3	2147.9	2122.2	2088.7	2057.5	2022.8	1989.4
12.5°	2256.3	2254.5	2251.4	2242.1	2227.9	2210.7	2188.9	2156.1	2117.5	2079.5	2040.5
15°	2331.4	2326.5	2317.5	2305.6	2285.5	2265.3	2241.0	2211.8	2175.0	2131.9	2095.7
17.5°	2424.2	2424.4	2410.5	2394.1	2366.7	2331.1	2293.6	2246.4	2196.4	2148.9	2110.5
20°	2501.0	2498.8	2485.0	2453.0	2421.7	2377.2	2334.1	2276.4	2215.3	2153.4	2105.4
22.5°	2611.1	2605.7	2591.2	2549.2	2500.7	2443.4	2377.5	2307.0	2233.1	2162.8	2099.9
25°	2791.5	2787.3	2758.9	2710.2	2642.0	2553.8	2467.6	2371.0	2264.7	2172.2	2095.7
27.5°	2915.0	2910.4	2889.2	2848.8	2786.0	2693.1	2576.4	2447.3	2314.5	2187.4	2077.1
30°	2902.7	2913.1	2910.4	2891.6	2844.4	2760.9	2653.2	2507.9	2350.1	2200.7	2069.3
32.5°	2728.1	2737.5	2761.9	2798.7	2801.5	2768.1	2687.7	2553.5	2390.1	2220.2	2063.2
35°	2316.0	2328.6	2375.9	2450.2	2547.5	2628.9	2645.5	2573.3	2426.6	2243.8	2054.1
37.5°	1780.6	1849.0	1888.7	1967.0	2114.1	2263.7	2407.5	2460.5	2398.1	2234.1	2039.2
40°	1512.5	1529.2	1600.1	1688.4	1812.1	1967.8	2172.9	2320.9	2325.8	2211.8	2015.8
42.5°	1294.6	1315.7	1364.3	1434.9	1540.8	1696.5	1908.2	2103.5	2194.1	2150.6	1985.2
45°	1035.7	1051.7	1087.2	1141.4	1222.7	1351.3	1533.4	1759.3	1938.7	2008.8	1903.2
47.5°	850.8	859.4	890.3	931.6	991.8	1085.5	1226.5	1422.5	1637.6	1788.5	1773.6
50°	750.7	760.5	784.1	815.4	866.1	945.3	1057.9	1221.3	1443.1	1627.2	1664.1
52.5°	672.9	680.9	695.6	725.2	767.1	828.0	918.9	1066.7	1266.2	1462.0	1547.3
55°	568.6	574.2	585.9	602.6	636.1	679.8	758.3	860.5	1021.8	1219.2	1344.3
57.5°	482.7	485.4	492.9	508.4	531.5	563.5	620.2	706.8	822.4	1000.2	1138.3
60°	428.2	431.0	440.7	451.1	469.2	498.4	542.9	603.3	714.5	861.2	1000.9
62.5°	384.8	386.5	390.7	401.1	417.0	439.4	474.5	523.8	612.2	741.1	873.1
65°	322.5	323.2	324.6	333.0	342.7	359.4	382.3	417.1	483.8	581.1	697.9
67.5°	262.8	263.7	268.6	271.5	281.7	290.4	303.9	330.5	377.5	443.1	533.9
70°	229.3	228.7	233.5	237.0	240.5	250.9	259.9	281.5	310.7	360.8	436.5
72.5°	198.2	196.4	198.5	199.7	204.4	211.4	220.5	233.7	256.2	290.7	348.7
75°	150.2	150.9	150.9	152.2	155.7	158.5	161.2	168.2	180.7	203.7	235.0
77.5°	105.4	104.2	107.2	107.6	109.7	112.7	115.1	117.9	123.1	132.5	148.6
80°	76.4	76.4	77.1	79.3	78.6	79.9	83.4	86.2	92.5	98.0	103.5
82.5°	58.7	58.1	58.8	59.2	59.1	60.5	61.7	62.2	64.6	67.4	71.3
85°	32.0	32.0	32.6	32.6	33.3	33.3	34.1	34.1	34.1	34.8	35.5
87.5°	14.2	13.6	12.9	12.9	13.4	14.4	13.8	13.1	13.0	12.9	13.4
90°	9.7	9.5	9.2	8.9	8.6	8.3	7.8	7.4	7.0	6.5	5.8
92.5°	19.1	18.9	18.6	18.5	18.3	17.9	17.3	16.7	16.1	15.5	14.7
95°	34.8	34.6	34.4	34.2	34.1	33.6	33.0	32.4	31.7	31.1	30.2
97.5°	52.7	52.6	52.5	52.3	52.3	51.9	51.4	50.7	50.1	49.6	48.3
100°	66.3	66.1	65.9	65.7	65.5	65.1	64.3	63.5	62.7	61.8	60.6
102.5°	79.9	79.6	79.4	79.1	78.8	78.3	77.4	76.5	75.6	74.7	74.2
105°	100.2	100.0	99.7	99.4	99.2	98.7	98.2	97.6	97.1	96.6	96.0
107.5°	121.1	121.1	121.1	121.2	121.2	121.0	120.7	120.5	120.2	119.9	119.6
110°	136.6	136.7	136.8	136.9	137.0	136.9	136.6	136.3	136.1	135.8	135.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	151.8	151.9	152.1	152.3	152.5	152.5	152.3	152.2	152.1	151.9	151.6
115°	175.8	175.9	176.0	176.1	176.2	176.3	176.4	176.5	176.6	176.6	176.5
117.5°	199.2	199.6	200.0	200.4	200.7	200.8	200.7	200.7	200.6	200.5	200.4
120°	215.4	215.8	216.2	216.5	216.9	217.0	217.0	217.0	217.0	217.0	217.0
122.5°	231.6	231.8	232.2	232.5	232.7	232.9	233.0	233.1	233.1	233.2	233.0
125°	255.8	255.9	256.0	256.1	256.2	256.4	256.5	256.7	256.9	257.1	257.0
127.5°	279.1	279.3	279.5	279.6	279.8	280.0	280.1	280.2	280.3	280.4	280.2
130°	294.6	294.8	295.0	295.2	295.3	295.5	295.6	295.7	295.8	295.9	295.7
132.5°	309.2	309.4	309.7	310.0	310.2	310.3	310.4	310.5	310.6	310.7	310.8
135°	331.8	332.2	332.5	332.9	333.2	333.4	333.4	333.4	333.4	333.4	333.3
137.5°	353.9	354.4	354.9	355.3	355.8	356.0	355.8	355.7	355.6	355.5	355.3
140°	368.2	368.6	369.1	369.5	370.0	370.1	370.0	369.8	369.6	369.4	369.2
142.5°	381.7	382.2	382.6	383.1	383.5	383.7	383.6	383.5	383.4	383.3	383.0
145°	402.2	402.4	402.7	403.0	403.2	403.3	403.3	403.3	403.3	403.3	403.1
147.5°	419.5	420.1	420.7	421.3	422.0	422.1	422.0	421.7	421.5	421.3	421.1
150°	432.5	432.7	432.8	433.0	433.2	433.3	433.3	433.3	433.3	433.3	432.9
152.5°	443.1	443.4	443.8	444.1	444.4	444.4	444.3	444.1	443.8	443.6	443.4
155°	458.3	458.8	459.2	459.7	460.1	460.1	459.8	459.4	459.1	458.7	458.6
157.5°	471.0	471.6	472.2	472.8	473.4	473.5	473.1	472.8	472.4	472.1	472.0
160°	479.7	480.2	480.6	481.1	481.5	481.6	481.3	480.9	480.5	480.1	480.0
162.5°	487.1	487.7	488.2	488.7	489.3	489.3	488.8	488.5	488.0	487.6	487.6
165°	497.1	497.7	498.2	498.7	499.3	499.4	499.0	498.6	498.3	497.9	497.8
167.5°	505.1	505.6	506.1	506.7	507.3	507.3	506.8	506.2	505.7	505.2	505.2
170°	509.3	509.9	510.5	511.1	511.8	511.8	511.2	510.7	510.1	509.6	509.6
172.5°	512.8	513.4	513.9	514.4	515.1	515.1	514.5	514.0	513.4	512.9	512.9
175°	516.1	516.7	517.4	518.0	518.6	518.7	518.2	517.5	517.0	516.5	516.5
177.5°	518.1	518.5	519.1	519.6	520.0	520.1	519.7	519.2	518.8	518.4	518.4
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1740.0	1736.1	1728.8	1722.2	1713.9	1706.6	1701.6	1695.5	1687.7	1678.3	1670.4
5°	1816.9	1801.7	1781.5	1764.2	1742.0	1724.6	1706.5	1689.1	1671.7	1649.5	1630.0
7.5°	1902.4	1870.8	1840.0	1801.4	1766.4	1735.1	1705.0	1674.6	1644.8	1613.3	1582.9
10°	1954.6	1916.4	1874.0	1825.3	1780.8	1738.5	1699.5	1661.3	1621.0	1585.6	1547.3
12.5°	2003.6	1954.2	1905.7	1844.2	1790.8	1739.0	1689.5	1641.8	1598.7	1552.7	1511.7
15°	2047.7	1999.1	1944.9	1869.8	1795.5	1732.9	1674.5	1612.7	1559.1	1507.7	1461.8
17.5°	2064.8	2013.8	1950.9	1878.7	1797.4	1718.7	1643.5	1575.7	1512.7	1452.8	1401.1
20°	2058.2	2008.8	1944.2	1875.4	1788.5	1706.5	1625.1	1550.1	1479.9	1416.6	1361.7
22.5°	2042.1	1991.0	1928.6	1855.9	1773.4	1686.5	1599.6	1519.5	1445.9	1380.5	1320.5
25°	2017.9	1948.4	1884.5	1813.5	1735.0	1648.8	1559.1	1470.8	1392.3	1325.5	1260.3
27.5°	1992.7	1905.9	1824.6	1754.2	1671.2	1594.3	1507.8	1417.3	1334.7	1266.8	1199.7
30°	1969.9	1872.6	1782.9	1703.0	1624.4	1551.5	1469.5	1381.2	1296.4	1226.2	1158.1
32.5°	1941.5	1838.1	1739.5	1647.3	1571.6	1499.2	1425.0	1340.6	1258.0	1185.5	1116.3
35°	1905.9	1773.9	1666.9	1568.9	1484.7	1414.5	1347.8	1279.7	1196.9	1121.9	1054.4
37.5°	1859.2	1709.4	1585.6	1478.7	1390.1	1319.6	1266.9	1204.6	1129.1	1057.2	994.7
40°	1830.9	1662.7	1527.1	1421.5	1328.3	1253.9	1204.6	1151.8	1083.0	1015.6	953.0
42.5°	1793.1	1619.9	1468.2	1358.1	1264.4	1192.8	1142.9	1096.7	1039.0	975.5	908.5
45°	1719.0	1536.9	1377.7	1259.5	1165.0	1094.8	1048.2	1007.2	963.4	905.0	846.6
47.5°	1622.5	1450.3	1283.7	1154.7	1062.1	996.9	951.7	919.4	888.1	838.4	781.7
50°	1545.2	1379.1	1216.4	1091.3	992.6	930.8	888.3	862.6	834.1	788.9	741.6
52.5°	1454.0	1305.6	1146.4	1018.4	925.3	867.4	826.6	800.9	777.4	740.6	695.5
55°	1310.3	1180.3	1034.3	918.2	832.8	774.4	735.4	711.1	697.2	665.9	630.4
57.5°	1144.4	1051.2	922.6	810.7	735.0	677.3	648.8	628.1	612.4	590.3	565.3
60°	1028.8	963.4	848.0	741.6	672.2	617.2	591.6	574.2	559.5	540.8	521.3
62.5°	911.4	863.9	763.5	672.2	608.2	562.2	538.1	522.5	505.6	492.9	474.0
65°	754.2	711.8	642.3	570.7	511.6	474.7	457.4	443.4	433.0	419.1	405.9
67.5°	586.7	569.4	521.5	472.1	429.7	396.9	381.9	372.2	359.6	351.3	342.2
70°	483.8	475.5	441.4	408.8	369.1	346.9	333.0	328.8	313.5	305.1	298.9
72.5°	392.6	388.7	369.1	346.4	318.5	299.0	286.2	281.5	271.8	265.1	261.1
75°	269.0	270.4	266.9	252.4	241.9	229.3	218.3	215.4	208.6	203.0	199.5
77.5°	170.1	177.3	177.5	176.8	172.6	165.1	160.4	158.4	151.5	149.5	148.6
80°	116.8	124.4	131.3	130.6	129.3	127.2	123.8	121.6	118.2	116.1	114.7
82.5°	77.8	85.0	90.8	94.5	94.3	92.2	89.8	88.8	88.1	86.6	86.3
85°	36.8	38.3	40.3	45.2	48.7	49.3	48.7	48.0	45.8	46.5	47.3
87.5°	13.8	13.7	14.2	14.0	13.3	16.0	17.5	17.8	16.9	16.0	15.0
90°	5.2	4.5	3.9	3.3	2.6	1.9	1.2	0.4	1.2	1.9	2.6
92.5°	14.0	13.2	12.4	11.8	11.3	10.8	10.3	9.8	10.3	10.8	11.3
95°	29.3	28.4	27.6	27.0	26.8	26.7	26.5	26.3	26.5	26.7	26.8
97.5°	47.1	45.8	44.6	44.0	43.9	43.8	43.7	43.6	43.7	43.8	43.9
100°	59.5	58.3	57.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
102.5°	73.6	73.0	72.4	72.0	71.6	71.2	70.8	70.4	70.8	71.2	71.6
105°	95.5	95.0	94.4	94.0	93.5	93.0	92.6	92.1	92.6	93.0	93.5
107.5°	119.1	118.7	118.3	117.9	117.4	117.0	116.5	116.1	116.5	117.0	117.4
110°	135.3	135.0	134.7	134.4	133.9	133.5	133.0	132.6	133.0	133.5	133.9



TEST NUMBER: P333721-940

CATALOG NUMBER: S125RDIW-S1270D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	151.3	151.0	150.6	150.3	150.1	149.8	149.6	149.4	149.6	149.8	150.1
115°	176.3	176.1	175.9	175.7	175.3	175.0	174.5	174.2	174.5	175.0	175.3
117.5°	200.2	200.1	199.9	199.7	199.6	199.4	199.2	199.1	199.2	199.4	199.6
120°	216.9	216.8	216.7	216.4	216.0	215.5	215.1	214.6	215.1	215.5	216.0
122.5°	232.7	232.5	232.3	232.0	231.9	231.8	231.6	231.4	231.6	231.8	231.9
125°	256.9	256.8	256.7	256.4	255.8	255.3	254.8	254.2	254.8	255.3	255.8
127.5°	280.1	280.0	279.9	279.7	279.4	279.1	278.7	278.5	278.7	279.1	279.4
130°	295.5	295.3	295.2	294.8	294.4	293.9	293.5	293.0	293.5	293.9	294.4
132.5°	310.8	310.9	310.9	310.5	309.8	309.1	308.3	307.6	308.3	309.1	309.8
135°	333.2	333.1	333.1	332.8	332.3	331.7	331.2	330.6	331.2	331.7	332.3
137.5°	355.1	354.9	354.7	354.4	353.8	353.3	352.8	352.2	352.8	353.3	353.8
140°	368.9	368.6	368.4	367.9	367.5	367.0	366.6	366.1	366.6	367.0	367.5
142.5°	382.6	382.3	381.9	381.6	381.2	380.8	380.4	380.0	380.4	380.8	381.2
145°	402.8	402.5	402.3	402.0	401.6	401.3	400.9	400.6	400.9	401.3	401.6
147.5°	420.9	420.6	420.4	420.3	420.0	419.8	419.6	419.5	419.6	419.8	420.0
150°	432.6	432.2	431.9	431.7	431.8	431.9	431.9	432.0	431.9	431.9	431.8
152.5°	443.4	443.2	443.0	442.9	442.7	442.6	442.6	442.4	442.6	442.6	442.7
155°	458.5	458.4	458.3	458.3	458.3	458.3	458.3	458.3	458.3	458.3	458.3
157.5°	471.9	471.8	471.7	471.7	472.0	472.2	472.3	472.5	472.3	472.2	472.0
160°	479.9	479.8	479.7	479.8	480.1	480.4	480.7	481.0	480.7	480.4	480.1
162.5°	487.5	487.5	487.5	487.6	487.8	488.0	488.2	488.4	488.2	488.0	487.8
165°	497.8	497.7	497.6	497.6	497.8	497.9	498.1	498.3	498.1	497.9	497.8
167.5°	505.2	505.2	505.2	505.3	505.7	506.0	506.4	506.8	506.4	506.0	505.7
170°	509.6	509.6	509.6	509.8	510.1	510.5	510.9	511.2	510.9	510.5	510.1
172.5°	512.9	512.9	512.9	513.1	513.4	513.8	514.2	514.5	514.2	513.8	513.4
175°	516.5	516.5	516.5	516.7	517.0	517.4	517.7	518.2	517.7	517.4	517.0
177.5°	518.5	518.6	518.6	518.8	519.2	519.4	519.7	520.0	519.7	519.4	519.2
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333721-940

CATALOG NUMBER: S125RDIW-S1270D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1664.9	1657.2	1651.5	1640.4	1632.6	1629.3	1623.2	1621.5	1627.6	1623.2	1622.6
5°	1615.4	1595.3	1579.3	1563.3	1545.9	1534.8	1518.1	1515.3	1511.2	1504.9	1503.5
7.5°	1556.0	1529.8	1509.2	1482.8	1459.8	1441.4	1420.5	1410.6	1405.2	1397.1	1386.3
10°	1516.0	1484.7	1457.0	1430.5	1402.0	1379.1	1358.3	1342.2	1331.8	1322.1	1317.9
12.5°	1476.5	1444.7	1409.1	1377.2	1345.3	1319.6	1296.5	1286.1	1274.5	1263.1	1253.4
15°	1415.2	1372.8	1333.9	1297.1	1270.0	1242.2	1219.9	1204.6	1187.2	1182.4	1163.6
17.5°	1350.1	1308.6	1263.0	1224.2	1192.8	1162.2	1137.7	1120.3	1107.3	1089.4	1080.8
20°	1309.6	1260.3	1215.8	1180.3	1145.5	1109.4	1084.3	1069.8	1057.2	1042.7	1035.7
22.5°	1266.2	1218.0	1172.3	1130.8	1095.5	1059.9	1042.1	1027.0	1012.7	999.3	990.1
25°	1202.6	1153.9	1105.9	1062.8	1026.0	1000.2	979.4	962.0	954.4	941.2	931.4
27.5°	1139.5	1087.8	1038.0	995.1	966.2	940.8	923.6	909.9	896.1	884.6	876.1
30°	1098.9	1046.2	991.9	957.9	927.3	902.9	884.1	870.9	860.5	850.1	843.8
32.5°	1058.4	1003.9	955.7	918.9	890.0	869.0	849.7	837.0	826.1	814.5	807.2
35°	993.3	937.7	898.8	862.6	834.1	814.7	801.5	783.4	774.4	766.0	758.3
37.5°	932.8	881.1	839.0	807.3	782.6	763.2	746.1	736.4	725.2	717.7	711.4
40°	888.3	841.1	802.8	769.5	751.4	729.9	713.9	701.3	693.0	683.3	676.4
42.5°	848.3	804.4	767.2	737.3	714.7	696.5	681.1	668.5	658.0	651.0	645.2
45°	791.8	748.0	711.8	683.9	663.2	645.8	629.7	623.5	609.6	601.3	598.5
47.5°	733.2	694.0	659.1	633.5	612.1	595.7	580.7	567.9	560.3	552.1	547.6
50°	693.8	656.2	623.5	598.5	577.7	559.5	545.6	537.3	526.9	519.2	513.7
52.5°	654.2	619.5	586.8	562.8	544.8	526.7	511.2	502.8	492.9	488.1	484.2
55°	597.8	561.0	533.2	509.5	490.7	474.0	459.5	451.1	444.9	440.0	438.6
57.5°	533.9	504.6	478.8	457.5	438.0	422.3	409.6	401.6	396.1	395.4	391.2
60°	492.1	465.7	442.1	419.1	402.4	387.9	376.7	367.7	362.1	361.4	360.1
62.5°	450.4	425.1	403.1	383.0	368.0	353.9	343.4	333.2	329.9	326.5	323.3
65°	388.5	365.6	347.6	331.5	315.6	303.7	293.4	287.0	279.5	275.3	267.6
67.5°	327.8	310.0	292.7	279.2	266.6	255.4	246.7	237.5	232.3	229.0	223.4
70°	287.8	273.8	256.5	241.9	232.2	223.1	216.2	205.7	202.2	199.5	196.7
72.5°	249.9	237.7	223.1	211.3	201.6	193.1	185.0	180.1	176.7	173.9	172.3
75°	196.7	184.9	172.4	164.1	157.1	150.2	146.0	142.5	141.1	140.4	137.6
77.5°	144.5	138.2	128.1	121.5	116.9	114.1	110.4	108.6	108.4	105.4	104.4
80°	110.5	107.0	98.7	95.9	92.5	89.7	87.6	84.1	80.6	79.3	77.1
82.5°	82.1	78.6	75.3	70.9	67.9	66.3	64.2	63.0	63.4	61.4	60.5
85°	43.8	40.3	39.0	38.3	36.8	38.3	37.5	36.8	36.1	35.5	36.1
87.5°	14.5	14.7	14.3	15.5	14.0	14.6	14.7	14.3	14.4	14.4	14.0
90°	3.3	3.9	4.5	5.2	5.8	6.5	7.0	7.4	7.8	8.3	8.6
92.5°	11.8	12.4	13.2	14.0	14.7	15.5	16.1	16.7	17.3	17.9	18.3
95°	27.0	27.6	28.4	29.3	30.2	31.1	31.7	32.4	33.0	33.6	34.1
97.5°	44.0	44.6	45.8	47.1	48.3	49.6	50.1	50.7	51.4	51.9	52.3
100°	56.6	57.2	58.3	59.5	60.6	61.8	62.7	63.5	64.3	65.1	65.5
102.5°	72.0	72.4	73.0	73.6	74.2	74.7	75.6	76.5	77.4	78.3	78.8
105°	94.0	94.4	95.0	95.5	96.0	96.6	97.1	97.6	98.2	98.7	99.2
107.5°	117.9	118.3	118.7	119.1	119.6	119.9	120.2	120.5	120.7	121.0	121.2
110°	134.4	134.7	135.0	135.3	135.5	135.8	136.1	136.3	136.6	136.9	137.0



TEST NUMBER: P333721-940

CATALOG NUMBER: S125RDIW-S1270D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	150.3	150.6	151.0	151.3	151.6	151.9	152.1	152.2	152.3	152.5	152.5
115°	175.7	175.9	176.1	176.3	176.5	176.6	176.6	176.5	176.4	176.3	176.2
117.5°	199.7	199.9	200.1	200.2	200.4	200.5	200.6	200.7	200.7	200.8	200.7
120°	216.4	216.7	216.8	216.9	217.0	217.0	217.0	217.0	217.0	217.0	216.9
122.5°	232.0	232.3	232.5	232.7	233.0	233.2	233.1	233.1	233.0	232.9	232.7
125°	256.4	256.7	256.8	256.9	257.0	257.1	256.9	256.7	256.5	256.4	256.2
127.5°	279.7	279.9	280.0	280.1	280.2	280.4	280.3	280.2	280.1	280.0	279.8
130°	294.8	295.2	295.3	295.5	295.7	295.9	295.8	295.7	295.6	295.5	295.3
132.5°	310.5	310.9	310.9	310.8	310.8	310.7	310.6	310.5	310.4	310.3	310.2
135°	332.8	333.1	333.1	333.2	333.3	333.4	333.4	333.4	333.4	333.4	333.2
137.5°	354.4	354.7	354.9	355.1	355.3	355.5	355.6	355.7	355.8	356.0	355.8
140°	367.9	368.4	368.6	368.9	369.2	369.4	369.6	369.8	370.0	370.1	370.0
142.5°	381.6	381.9	382.3	382.6	383.0	383.3	383.4	383.5	383.6	383.7	383.5
145°	402.0	402.3	402.5	402.8	403.1	403.3	403.3	403.3	403.3	403.3	403.2
147.5°	420.3	420.4	420.6	420.9	421.1	421.3	421.5	421.7	422.0	422.1	422.0
150°	431.7	431.9	432.2	432.6	432.9	433.3	433.3	433.3	433.3	433.3	433.2
152.5°	442.9	443.0	443.2	443.4	443.4	443.6	443.8	444.1	444.3	444.4	444.4
155°	458.3	458.3	458.4	458.5	458.6	458.7	459.1	459.4	459.8	460.1	460.1
157.5°	471.7	471.7	471.8	471.9	472.0	472.1	472.4	472.8	473.1	473.5	473.4
160°	479.8	479.7	479.8	479.9	480.0	480.1	480.5	480.9	481.3	481.6	481.5
162.5°	487.6	487.5	487.5	487.5	487.6	487.6	488.0	488.5	488.8	489.3	489.3
165°	497.6	497.6	497.7	497.8	497.8	497.9	498.3	498.6	499.0	499.4	499.3
167.5°	505.3	505.2	505.2	505.2	505.2	505.2	505.7	506.2	506.8	507.3	507.3
170°	509.8	509.6	509.6	509.6	509.6	509.6	510.1	510.7	511.2	511.8	511.8
172.5°	513.1	512.9	512.9	512.9	512.9	512.9	513.4	514.0	514.5	515.1	515.1
175°	516.7	516.5	516.5	516.5	516.5	516.5	517.0	517.5	518.2	518.7	518.6
177.5°	518.8	518.6	518.6	518.5	518.4	518.4	518.8	519.2	519.7	520.1	520.0
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333721-940

CATALOG NUMBER: S125RDIW-S1270D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1622.1	1616.0	1614.3	1616.5	1614.3	1616.0	1622.1	1622.6	1623.2	1627.6	1621.5
5°	1496.6	1489.6	1493.1	1491.7	1493.1	1489.6	1496.6	1503.5	1504.9	1511.2	1515.3
7.5°	1386.2	1377.5	1368.3	1371.3	1368.3	1377.5	1386.2	1386.3	1397.1	1405.2	1410.6
10°	1308.9	1301.9	1297.7	1301.2	1297.7	1301.9	1308.9	1317.9	1322.1	1331.8	1342.2
12.5°	1243.8	1239.7	1236.0	1234.5	1236.0	1239.7	1243.8	1253.4	1263.1	1274.5	1286.1
15°	1155.2	1146.9	1143.4	1134.4	1143.4	1146.9	1155.2	1163.6	1182.4	1187.2	1204.6
17.5°	1073.6	1070.9	1061.8	1057.9	1061.8	1070.9	1073.6	1080.8	1089.4	1107.3	1120.3
20°	1025.3	1022.5	1013.4	1019.0	1013.4	1022.5	1025.3	1035.7	1042.7	1057.2	1069.8
22.5°	985.3	979.1	976.2	974.6	976.2	979.1	985.3	990.1	999.3	1012.7	1027.0
25°	928.6	919.6	916.1	912.0	916.1	919.6	928.6	931.4	941.2	954.4	962.0
27.5°	872.2	867.4	862.7	861.7	862.7	867.4	872.2	876.1	884.6	896.1	909.9
30°	835.5	830.6	827.2	827.2	827.2	830.6	835.5	843.8	850.1	860.5	870.9
32.5°	802.7	799.0	795.5	795.0	795.5	799.0	802.7	807.2	814.5	826.1	837.0
35°	754.9	749.3	748.0	743.8	748.0	749.3	754.9	758.3	766.0	774.4	783.4
37.5°	705.3	700.6	700.5	700.1	700.5	700.6	705.3	711.4	717.7	725.2	736.4
40°	673.5	670.0	669.4	664.5	669.4	670.0	673.5	676.4	683.3	693.0	701.3
42.5°	639.6	637.8	635.4	633.4	635.4	637.8	639.6	645.2	651.0	658.0	668.5
45°	593.6	588.7	588.7	585.2	588.7	588.7	593.6	598.5	601.3	609.6	623.5
47.5°	546.1	542.3	542.7	539.1	542.7	542.3	546.1	547.6	552.1	560.3	567.9
50°	514.3	512.3	511.6	510.2	511.6	512.3	514.3	513.7	519.2	526.9	537.3
52.5°	482.7	481.7	484.4	481.3	484.4	481.7	482.7	484.2	488.1	492.9	502.8
55°	440.0	437.9	442.1	437.9	442.1	437.9	440.0	438.6	440.0	444.9	451.1
57.5°	390.9	389.0	392.7	390.7	392.7	389.0	390.9	391.2	395.4	396.1	401.6
60°	358.6	354.5	356.6	357.3	356.6	354.5	358.6	360.1	361.4	362.1	367.7
62.5°	320.3	317.8	319.3	316.1	319.3	317.8	320.3	323.3	326.5	329.9	333.2
65°	266.3	264.1	261.4	259.9	261.4	264.1	266.3	267.6	275.3	279.5	287.0
67.5°	223.6	218.6	218.6	219.6	218.6	218.6	223.6	223.4	229.0	232.3	237.5
70°	192.5	192.5	191.8	191.8	191.8	192.5	192.5	196.7	199.5	202.2	205.7
72.5°	170.9	170.3	169.1	168.5	169.1	170.3	170.9	172.3	173.9	176.7	180.1
75°	137.6	138.3	137.0	136.3	137.0	138.3	137.6	137.6	140.4	141.1	142.5
77.5°	101.7	98.7	100.2	98.7	100.2	98.7	101.7	104.4	105.4	108.4	108.6
80°	77.1	76.4	78.6	76.4	78.6	76.4	77.1	77.1	79.3	80.6	84.1
82.5°	61.0	60.4	61.3	59.7	61.3	60.4	61.0	60.5	61.4	63.4	63.0
85°	36.8	36.1	35.5	36.1	35.5	36.1	36.8	36.1	35.5	36.1	36.8
87.5°	14.5	14.1	14.1	14.2	14.1	14.1	14.5	14.0	14.4	14.4	14.3
90°	8.9	9.2	9.5	9.7	9.5	9.2	8.9	8.6	8.3	7.8	7.4
92.5°	18.5	18.6	18.9	19.1	18.9	18.6	18.5	18.3	17.9	17.3	16.7
95°	34.2	34.4	34.6	34.8	34.6	34.4	34.2	34.1	33.6	33.0	32.4
97.5°	52.3	52.5	52.6	52.7	52.6	52.5	52.3	52.3	51.9	51.4	50.7
100°	65.7	65.9	66.1	66.3	66.1	65.9	65.7	65.5	65.1	64.3	63.5
102.5°	79.1	79.4	79.6	79.9	79.6	79.4	79.1	78.8	78.3	77.4	76.5
105°	99.4	99.7	100.0	100.2	100.0	99.7	99.4	99.2	98.7	98.2	97.6
107.5°	121.2	121.1	121.1	121.1	121.1	121.1	121.2	121.2	121.0	120.7	120.5
110°	136.9	136.8	136.7	136.6	136.7	136.8	136.9	137.0	136.9	136.6	136.3



TEST NUMBER: P333721-940

CATALOG NUMBER: S125RDIW-S1270D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	152.3	152.1	151.9	151.8	151.9	152.1	152.3	152.5	152.5	152.3	152.2
115°	176.1	176.0	175.9	175.8	175.9	176.0	176.1	176.2	176.3	176.4	176.5
117.5°	200.4	200.0	199.6	199.2	199.6	200.0	200.4	200.7	200.8	200.7	200.7
120°	216.5	216.2	215.8	215.4	215.8	216.2	216.5	216.9	217.0	217.0	217.0
122.5°	232.5	232.2	231.8	231.6	231.8	232.2	232.5	232.7	232.9	233.0	233.1
125°	256.1	256.0	255.9	255.8	255.9	256.0	256.1	256.2	256.4	256.5	256.7
127.5°	279.6	279.5	279.3	279.1	279.3	279.5	279.6	279.8	280.0	280.1	280.2
130°	295.2	295.0	294.8	294.6	294.8	295.0	295.2	295.3	295.5	295.6	295.7
132.5°	310.0	309.7	309.4	309.2	309.4	309.7	310.0	310.2	310.3	310.4	310.5
135°	332.9	332.5	332.2	331.8	332.2	332.5	332.9	333.2	333.4	333.4	333.4
137.5°	355.3	354.9	354.4	353.9	354.4	354.9	355.3	355.8	356.0	355.8	355.7
140°	369.5	369.1	368.6	368.2	368.6	369.1	369.5	370.0	370.1	370.0	369.8
142.5°	383.1	382.6	382.2	381.7	382.2	382.6	383.1	383.5	383.7	383.6	383.5
145°	403.0	402.7	402.4	402.2	402.4	402.7	403.0	403.2	403.3	403.3	403.3
147.5°	421.3	420.7	420.1	419.5	420.1	420.7	421.3	422.0	422.1	422.0	421.7
150°	433.0	432.8	432.7	432.5	432.7	432.8	433.0	433.2	433.3	433.3	433.3
152.5°	444.1	443.8	443.4	443.1	443.4	443.8	444.1	444.4	444.4	444.3	444.1
155°	459.7	459.2	458.8	458.3	458.8	459.2	459.7	460.1	460.1	459.8	459.4
157.5°	472.8	472.2	471.6	471.0	471.6	472.2	472.8	473.4	473.5	473.1	472.8
160°	481.1	480.6	480.2	479.7	480.2	480.6	481.1	481.5	481.6	481.3	480.9
162.5°	488.7	488.2	487.7	487.1	487.7	488.2	488.7	489.3	489.3	488.8	488.5
165°	498.7	498.2	497.7	497.1	497.7	498.2	498.7	499.3	499.4	499.0	498.6
167.5°	506.7	506.1	505.6	505.1	505.6	506.1	506.7	507.3	507.3	506.8	506.2
170°	511.1	510.5	509.9	509.3	509.9	510.5	511.1	511.8	511.8	511.2	510.7
172.5°	514.4	513.9	513.4	512.8	513.4	513.9	514.4	515.1	515.1	514.5	514.0
175°	518.0	517.4	516.7	516.1	516.7	517.4	518.0	518.6	518.7	518.2	517.5
177.5°	519.6	519.1	518.5	518.1	518.5	519.1	519.6	520.0	520.1	519.7	519.2
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333721-940

CATALOG NUMBER: S125RDIW-S1270D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1623.2	1629.3	1632.6	1640.4	1651.5	1657.2	1664.9	1670.4	1678.3	1687.7	1695.5
5°	1518.1	1534.8	1545.9	1563.3	1579.3	1595.3	1615.4	1630.0	1649.5	1671.7	1689.1
7.5°	1420.5	1441.4	1459.8	1482.8	1509.2	1529.8	1556.0	1582.9	1613.3	1644.8	1674.6
10°	1358.3	1379.1	1402.0	1430.5	1457.0	1484.7	1516.0	1547.3	1585.6	1621.0	1661.3
12.5°	1296.5	1319.6	1345.3	1377.2	1409.1	1444.7	1476.5	1511.7	1552.7	1598.7	1641.8
15°	1219.9	1242.2	1270.0	1297.1	1333.9	1372.8	1415.2	1461.8	1507.7	1559.1	1612.7
17.5°	1137.7	1162.2	1192.8	1224.2	1263.0	1308.6	1350.1	1401.1	1452.8	1512.7	1575.7
20°	1084.3	1109.4	1145.5	1180.3	1215.8	1260.3	1309.6	1361.7	1416.6	1479.9	1550.1
22.5°	1042.1	1059.9	1095.5	1130.8	1172.3	1218.0	1266.2	1320.5	1380.5	1445.9	1519.5
25°	979.4	1000.2	1026.0	1062.8	1105.9	1153.9	1202.6	1260.3	1325.5	1392.3	1470.8
27.5°	923.6	940.8	966.2	995.1	1038.0	1087.8	1139.5	1199.7	1266.8	1334.7	1417.3
30°	884.1	902.9	927.3	957.9	991.9	1046.2	1098.9	1158.1	1226.2	1296.4	1381.2
32.5°	849.7	869.0	890.0	918.9	955.7	1003.9	1058.4	1116.3	1185.5	1258.0	1340.6
35°	801.5	814.7	834.1	862.6	898.8	937.7	993.3	1054.4	1121.9	1196.9	1279.7
37.5°	746.1	763.2	782.6	807.3	839.0	881.1	932.8	994.7	1057.2	1129.1	1204.6
40°	713.9	729.9	751.4	769.5	802.8	841.1	888.3	953.0	1015.6	1083.0	1151.8
42.5°	681.1	696.5	714.7	737.3	767.2	804.4	848.3	908.5	975.5	1039.0	1096.7
45°	629.7	645.8	663.2	683.9	711.8	748.0	791.8	846.6	905.0	963.4	1007.2
47.5°	580.7	595.7	612.1	633.5	659.1	694.0	733.2	781.7	838.4	888.1	919.4
50°	545.6	559.5	577.7	598.5	623.5	656.2	693.8	741.6	788.9	834.1	862.6
52.5°	511.2	526.7	544.8	562.8	586.8	619.5	654.2	695.5	740.6	777.4	800.9
55°	459.5	474.0	490.7	509.5	533.2	561.0	597.8	630.4	665.9	697.2	711.1
57.5°	409.6	422.3	438.0	457.5	478.8	504.6	533.9	565.3	590.3	612.4	628.1
60°	376.7	387.9	402.4	419.1	442.1	465.7	492.1	521.3	540.8	559.5	574.2
62.5°	343.4	353.9	368.0	383.0	403.1	425.1	450.4	474.0	492.9	505.6	522.5
65°	293.4	303.7	315.6	331.5	347.6	365.6	388.5	405.9	419.1	433.0	443.4
67.5°	246.7	255.4	266.6	279.2	292.7	310.0	327.8	342.2	351.3	359.6	372.2
70°	216.2	223.1	232.2	241.9	256.5	273.8	287.8	298.9	305.1	313.5	328.8
72.5°	185.0	193.1	201.6	211.3	223.1	237.7	249.9	261.1	265.1	271.8	281.5
75°	146.0	150.2	157.1	164.1	172.4	184.9	196.7	199.5	203.0	208.6	215.4
77.5°	110.4	114.1	116.9	121.5	128.1	138.2	144.5	148.6	149.5	151.5	158.4
80°	87.6	89.7	92.5	95.9	98.7	107.0	110.5	114.7	116.1	118.2	121.6
82.5°	64.2	66.3	67.9	70.9	75.3	78.6	82.1	86.3	86.6	88.1	88.8
85°	37.5	38.3	36.8	38.3	39.0	40.3	43.8	47.3	46.5	45.8	48.0
87.5°	14.7	14.6	14.0	15.5	14.3	14.7	14.5	15.0	16.0	16.9	17.8
90°	7.0	6.5	5.8	5.2	4.5	3.9	3.3	2.6	1.9	1.2	0.4
92.5°	16.1	15.5	14.7	14.0	13.2	12.4	11.8	11.3	10.8	10.3	9.8
95°	31.7	31.1	30.2	29.3	28.4	27.6	27.0	26.8	26.7	26.5	26.3
97.5°	50.1	49.6	48.3	47.1	45.8	44.6	44.0	43.9	43.8	43.7	43.6
100°	62.7	61.8	60.6	59.5	58.3	57.2	56.6	56.6	56.6	56.6	56.6
102.5°	75.6	74.7	74.2	73.6	73.0	72.4	72.0	71.6	71.2	70.8	70.4
105°	97.1	96.6	96.0	95.5	95.0	94.4	94.0	93.5	93.0	92.6	92.1
107.5°	120.2	119.9	119.6	119.1	118.7	118.3	117.9	117.4	117.0	116.5	116.1
110°	136.1	135.8	135.5	135.3	135.0	134.7	134.4	133.9	133.5	133.0	132.6



TEST NUMBER: P333721-940

CATALOG NUMBER: S125RDIW-S1270D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	152.1	151.9	151.6	151.3	151.0	150.6	150.3	150.1	149.8	149.6	149.4
115°	176.6	176.6	176.5	176.3	176.1	175.9	175.7	175.3	175.0	174.5	174.2
117.5°	200.6	200.5	200.4	200.2	200.1	199.9	199.7	199.6	199.4	199.2	199.1
120°	217.0	217.0	217.0	216.9	216.8	216.7	216.4	216.0	215.5	215.1	214.6
122.5°	233.1	233.2	233.0	232.7	232.5	232.3	232.0	231.9	231.8	231.6	231.4
125°	256.9	257.1	257.0	256.9	256.8	256.7	256.4	255.8	255.3	254.8	254.2
127.5°	280.3	280.4	280.2	280.1	280.0	279.9	279.7	279.4	279.1	278.7	278.5
130°	295.8	295.9	295.7	295.5	295.3	295.2	294.8	294.4	293.9	293.5	293.0
132.5°	310.6	310.7	310.8	310.8	310.9	310.9	310.5	309.8	309.1	308.3	307.6
135°	333.4	333.4	333.3	333.2	333.1	333.1	332.8	332.3	331.7	331.2	330.6
137.5°	355.6	355.5	355.3	355.1	354.9	354.7	354.4	353.8	353.3	352.8	352.2
140°	369.6	369.4	369.2	368.9	368.6	368.4	367.9	367.5	367.0	366.6	366.1
142.5°	383.4	383.3	383.0	382.6	382.3	381.9	381.6	381.2	380.8	380.4	380.0
145°	403.3	403.3	403.1	402.8	402.5	402.3	402.0	401.6	401.3	400.9	400.6
147.5°	421.5	421.3	421.1	420.9	420.6	420.4	420.3	420.0	419.8	419.6	419.5
150°	433.3	433.3	432.9	432.6	432.2	431.9	431.7	431.8	431.9	431.9	432.0
152.5°	443.8	443.6	443.4	443.4	443.2	443.0	442.9	442.7	442.6	442.6	442.4
155°	459.1	458.7	458.6	458.5	458.4	458.3	458.3	458.3	458.3	458.3	458.3
157.5°	472.4	472.1	472.0	471.9	471.8	471.7	471.7	472.0	472.2	472.3	472.5
160°	480.5	480.1	480.0	479.9	479.8	479.7	479.8	480.1	480.4	480.7	481.0
162.5°	488.0	487.6	487.6	487.5	487.5	487.5	487.6	487.8	488.0	488.2	488.4
165°	498.3	497.9	497.8	497.8	497.7	497.6	497.6	497.8	497.9	498.1	498.3
167.5°	505.7	505.2	505.2	505.2	505.2	505.2	505.3	505.7	506.0	506.4	506.8
170°	510.1	509.6	509.6	509.6	509.6	509.6	509.8	510.1	510.5	510.9	511.2
172.5°	513.4	512.9	512.9	512.9	512.9	512.9	513.1	513.4	513.8	514.2	514.5
175°	517.0	516.5	516.5	516.5	516.5	516.5	516.7	517.0	517.4	517.7	518.2
177.5°	518.8	518.4	518.4	518.5	518.6	518.6	518.8	519.2	519.4	519.7	520.0
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333721-940

CATALOG NUMBER: S125RDIW-S1270D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1701.6	1706.6	1713.9	1722.2	1728.8	1736.1	1740.0	1740.0	1743.3	1750.5	1760.0
5°	1706.5	1724.6	1742.0	1764.2	1781.5	1801.7	1816.9	1831.6	1844.8	1861.4	1878.8
7.5°	1705.0	1735.1	1766.4	1801.4	1840.0	1870.8	1902.4	1927.1	1951.6	1983.5	2008.7
10°	1699.5	1738.5	1780.8	1825.3	1874.0	1916.4	1954.6	1989.4	2022.8	2057.5	2088.7
12.5°	1689.5	1739.0	1790.8	1844.2	1905.7	1954.2	2003.6	2040.5	2079.5	2117.5	2156.1
15°	1674.5	1732.9	1795.5	1869.8	1944.9	1999.1	2047.7	2095.7	2131.9	2175.0	2211.8
17.5°	1643.5	1718.7	1797.4	1878.7	1950.9	2013.8	2064.8	2110.5	2148.9	2196.4	2246.4
20°	1625.1	1706.5	1788.5	1875.4	1944.2	2008.8	2058.2	2105.4	2153.4	2215.3	2276.4
22.5°	1599.6	1686.5	1773.4	1855.9	1928.6	1991.0	2042.1	2099.9	2162.8	2233.1	2307.0
25°	1559.1	1648.8	1735.0	1813.5	1884.5	1948.4	2017.9	2095.7	2172.2	2264.7	2371.0
27.5°	1507.8	1594.3	1671.2	1754.2	1824.6	1905.9	1992.7	2077.1	2187.4	2314.5	2447.3
30°	1469.5	1551.5	1624.4	1703.0	1782.9	1872.6	1969.9	2069.3	2200.7	2350.1	2507.9
32.5°	1425.0	1499.2	1571.6	1647.3	1739.5	1838.1	1941.5	2063.2	2220.2	2390.1	2553.5
35°	1347.8	1414.5	1484.7	1568.9	1666.9	1773.9	1905.9	2054.1	2243.8	2426.6	2573.3
37.5°	1266.9	1319.6	1390.1	1478.7	1585.6	1709.4	1859.2	2039.2	2234.1	2398.1	2460.5
40°	1204.6	1253.9	1328.3	1421.5	1527.1	1662.7	1830.9	2015.8	2211.8	2325.8	2320.9
42.5°	1142.9	1192.8	1264.4	1358.1	1468.2	1619.9	1793.1	1985.2	2150.6	2194.1	2103.5
45°	1048.2	1094.8	1165.0	1259.5	1377.7	1536.9	1719.0	1903.2	2008.8	1938.7	1759.3
47.5°	951.7	996.9	1062.1	1154.7	1283.7	1450.3	1622.5	1773.6	1788.5	1637.6	1422.5
50°	888.3	930.8	992.6	1091.3	1216.4	1379.1	1545.2	1664.1	1627.2	1443.1	1221.3
52.5°	826.6	867.4	925.3	1018.4	1146.4	1305.6	1454.0	1547.3	1462.0	1266.2	1066.7
55°	735.4	774.4	832.8	918.2	1034.3	1180.3	1310.3	1344.3	1219.2	1021.8	860.5
57.5°	648.8	677.3	735.0	810.7	922.6	1051.2	1144.4	1138.3	1000.2	822.4	706.8
60°	591.6	617.2	672.2	741.6	848.0	963.4	1028.8	1000.9	861.2	714.5	603.3
62.5°	538.1	562.2	608.2	672.2	763.5	863.9	911.4	873.1	741.1	612.2	523.8
65°	457.4	474.7	511.6	570.7	642.3	711.8	754.2	697.9	581.1	483.8	417.1
67.5°	381.9	396.9	429.7	472.1	521.5	569.4	586.7	533.9	443.1	377.5	330.5
70°	333.0	346.9	369.1	408.8	441.4	475.5	483.8	436.5	360.8	310.7	281.5
72.5°	286.2	299.0	318.5	346.4	369.1	388.7	392.6	348.7	290.7	256.2	233.7
75°	218.3	229.3	241.9	252.4	266.9	270.4	269.0	235.0	203.7	180.7	168.2
77.5°	160.4	165.1	172.6	176.8	177.5	177.3	170.1	148.6	132.5	123.1	117.9
80°	123.8	127.2	129.3	130.6	131.3	124.4	116.8	103.5	98.0	92.5	86.2
82.5°	89.8	92.2	94.3	94.5	90.8	85.0	77.8	71.3	67.4	64.6	62.2
85°	48.7	49.3	48.7	45.2	40.3	38.3	36.8	35.5	34.8	34.1	34.1
87.5°	17.5	16.0	13.3	14.0	14.2	13.7	13.8	13.4	12.9	13.0	13.1
90°	1.2	1.9	2.6	3.3	3.9	4.5	5.2	5.8	6.5	7.0	7.4
92.5°	10.3	10.8	11.3	11.8	12.4	13.2	14.0	14.7	15.5	16.1	16.7
95°	26.5	26.7	26.8	27.0	27.6	28.4	29.3	30.2	31.1	31.7	32.4
97.5°	43.7	43.8	43.9	44.0	44.6	45.8	47.1	48.3	49.6	50.1	50.7
100°	56.6	56.6	56.6	56.6	57.2	58.3	59.5	60.6	61.8	62.7	63.5
102.5°	70.8	71.2	71.6	72.0	72.4	73.0	73.6	74.2	74.7	75.6	76.5
105°	92.6	93.0	93.5	94.0	94.4	95.0	95.5	96.0	96.6	97.1	97.6
107.5°	116.5	117.0	117.4	117.9	118.3	118.7	119.1	119.6	119.9	120.2	120.5
110°	133.0	133.5	133.9	134.4	134.7	135.0	135.3	135.5	135.8	136.1	136.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	149.6	149.8	150.1	150.3	150.6	151.0	151.3	151.6	151.9	152.1	152.2
115°	174.5	175.0	175.3	175.7	175.9	176.1	176.3	176.5	176.6	176.6	176.5
117.5°	199.2	199.4	199.6	199.7	199.9	200.1	200.2	200.4	200.5	200.6	200.7
120°	215.1	215.5	216.0	216.4	216.7	216.8	216.9	217.0	217.0	217.0	217.0
122.5°	231.6	231.8	231.9	232.0	232.3	232.5	232.7	233.0	233.2	233.1	233.1
125°	254.8	255.3	255.8	256.4	256.7	256.8	256.9	257.0	257.1	256.9	256.7
127.5°	278.7	279.1	279.4	279.7	279.9	280.0	280.1	280.2	280.4	280.3	280.2
130°	293.5	293.9	294.4	294.8	295.2	295.3	295.5	295.7	295.9	295.8	295.7
132.5°	308.3	309.1	309.8	310.5	310.9	310.9	310.8	310.8	310.7	310.6	310.5
135°	331.2	331.7	332.3	332.8	333.1	333.1	333.2	333.3	333.4	333.4	333.4
137.5°	352.8	353.3	353.8	354.4	354.7	354.9	355.1	355.3	355.5	355.6	355.7
140°	366.6	367.0	367.5	367.9	368.4	368.6	368.9	369.2	369.4	369.6	369.8
142.5°	380.4	380.8	381.2	381.6	381.9	382.3	382.6	383.0	383.3	383.4	383.5
145°	400.9	401.3	401.6	402.0	402.3	402.5	402.8	403.1	403.3	403.3	403.3
147.5°	419.6	419.8	420.0	420.3	420.4	420.6	420.9	421.1	421.3	421.5	421.7
150°	431.9	431.9	431.8	431.7	431.9	432.2	432.6	432.9	433.3	433.3	433.3
152.5°	442.6	442.6	442.7	442.9	443.0	443.2	443.4	443.4	443.6	443.8	444.1
155°	458.3	458.3	458.3	458.3	458.3	458.4	458.5	458.6	458.7	459.1	459.4
157.5°	472.3	472.2	472.0	471.7	471.7	471.8	471.9	472.0	472.1	472.4	472.8
160°	480.7	480.4	480.1	479.8	479.7	479.8	479.9	480.0	480.1	480.5	480.9
162.5°	488.2	488.0	487.8	487.6	487.5	487.5	487.5	487.6	487.6	488.0	488.5
165°	498.1	497.9	497.8	497.6	497.6	497.7	497.8	497.8	497.9	498.3	498.6
167.5°	506.4	506.0	505.7	505.3	505.2	505.2	505.2	505.2	505.2	505.7	506.2
170°	510.9	510.5	510.1	509.8	509.6	509.6	509.6	509.6	509.6	510.1	510.7
172.5°	514.2	513.8	513.4	513.1	512.9	512.9	512.9	512.9	512.9	513.4	514.0
175°	517.7	517.4	517.0	516.7	516.5	516.5	516.5	516.5	516.5	517.0	517.5
177.5°	519.7	519.4	519.2	518.8	518.6	518.6	518.5	518.4	518.4	518.8	519.2
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1767.2	1767.2	1776.6	1776.1	1782.3	1780.0	1781.1
5°	1899.7	1911.6	1922.0	1928.9	1939.3	1942.1	1940.7
7.5°	2037.0	2063.3	2076.1	2093.6	2096.9	2106.0	2105.1
10°	2122.2	2147.9	2167.3	2182.6	2190.2	2200.0	2200.7
12.5°	2188.9	2210.7	2227.9	2242.1	2251.4	2254.5	2256.3
15°	2241.0	2265.3	2285.5	2305.6	2317.5	2326.5	2331.4
17.5°	2293.6	2331.1	2366.7	2394.1	2410.5	2424.4	2424.2
20°	2334.1	2377.2	2421.7	2453.0	2485.0	2498.8	2501.0
22.5°	2377.5	2443.4	2500.7	2549.2	2591.2	2605.7	2611.1
25°	2467.6	2553.8	2642.0	2710.2	2758.9	2787.3	2791.5
27.5°	2576.4	2693.1	2786.0	2848.8	2889.2	2910.4	2915.0
30°	2653.2	2760.9	2844.4	2891.6	2910.4	2913.1	2902.7
32.5°	2687.7	2768.1	2801.5	2798.7	2761.9	2737.5	2728.1
35°	2645.5	2628.9	2547.5	2450.2	2375.9	2328.6	2316.0
37.5°	2407.5	2263.7	2114.1	1967.0	1888.7	1849.0	1780.6
40°	2172.9	1967.8	1812.1	1688.4	1600.1	1529.2	1512.5
42.5°	1908.2	1696.5	1540.8	1434.9	1364.3	1315.7	1294.6
45°	1533.4	1351.3	1222.7	1141.4	1087.2	1051.7	1035.7
47.5°	1226.5	1085.5	991.8	931.6	890.3	859.4	850.8
50°	1057.9	945.3	866.1	815.4	784.1	760.5	750.7
52.5°	918.9	828.0	767.1	725.2	695.6	680.9	672.9
55°	758.3	679.8	636.1	602.6	585.9	574.2	568.6
57.5°	620.2	563.5	531.5	508.4	492.9	485.4	482.7
60°	542.9	498.4	469.2	451.1	440.7	431.0	428.2
62.5°	474.5	439.4	417.0	401.1	390.7	386.5	384.8
65°	382.3	359.4	342.7	333.0	324.6	323.2	322.5
67.5°	303.9	290.4	281.7	271.5	268.6	263.7	262.8
70°	259.9	250.9	240.5	237.0	233.5	228.7	229.3
72.5°	220.5	211.4	204.4	199.7	198.5	196.4	198.2
75°	161.2	158.5	155.7	152.2	150.9	150.9	150.2
77.5°	115.1	112.7	109.7	107.6	107.2	104.2	105.4
80°	83.4	79.9	78.6	79.3	77.1	76.4	76.4
82.5°	61.7	60.5	59.1	59.2	58.8	58.1	58.7
85°	34.1	33.3	33.3	32.6	32.6	32.0	32.0
87.5°	13.8	14.4	13.4	12.9	12.9	13.6	14.2
90°	7.8	8.3	8.6	8.9	9.2	9.5	9.7
92.5°	17.3	17.9	18.3	18.5	18.6	18.9	19.1
95°	33.0	33.6	34.1	34.2	34.4	34.6	34.8
97.5°	51.4	51.9	52.3	52.3	52.5	52.6	52.7
100°	64.3	65.1	65.5	65.7	65.9	66.1	66.3
102.5°	77.4	78.3	78.8	79.1	79.4	79.6	79.9
105°	98.2	98.7	99.2	99.4	99.7	100.0	100.2
107.5°	120.7	121.0	121.2	121.2	121.1	121.1	121.1
110°	136.6	136.9	137.0	136.9	136.8	136.7	136.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	152.3	152.5	152.5	152.3	152.1	151.9	151.8
115°	176.4	176.3	176.2	176.1	176.0	175.9	175.8
117.5°	200.7	200.8	200.7	200.4	200.0	199.6	199.2
120°	217.0	217.0	216.9	216.5	216.2	215.8	215.4
122.5°	233.0	232.9	232.7	232.5	232.2	231.8	231.6
125°	256.5	256.4	256.2	256.1	256.0	255.9	255.8
127.5°	280.1	280.0	279.8	279.6	279.5	279.3	279.1
130°	295.6	295.5	295.3	295.2	295.0	294.8	294.6
132.5°	310.4	310.3	310.2	310.0	309.7	309.4	309.2
135°	333.4	333.4	333.2	332.9	332.5	332.2	331.8
137.5°	355.8	356.0	355.8	355.3	354.9	354.4	353.9
140°	370.0	370.1	370.0	369.5	369.1	368.6	368.2
142.5°	383.6	383.7	383.5	383.1	382.6	382.2	381.7
145°	403.3	403.3	403.2	403.0	402.7	402.4	402.2
147.5°	422.0	422.1	422.0	421.3	420.7	420.1	419.5
150°	433.3	433.3	433.2	433.0	432.8	432.7	432.5
152.5°	444.3	444.4	444.4	444.1	443.8	443.4	443.1
155°	459.8	460.1	460.1	459.7	459.2	458.8	458.3
157.5°	473.1	473.5	473.4	472.8	472.2	471.6	471.0
160°	481.3	481.6	481.5	481.1	480.6	480.2	479.7
162.5°	488.8	489.3	489.3	488.7	488.2	487.7	487.1
165°	499.0	499.4	499.3	498.7	498.2	497.7	497.1
167.5°	506.8	507.3	507.3	506.7	506.1	505.6	505.1
170°	511.2	511.8	511.8	511.1	510.5	509.9	509.3
172.5°	514.5	515.1	515.1	514.4	513.9	513.4	512.8
175°	518.2	518.7	518.6	518.0	517.4	516.7	516.1
177.5°	519.7	520.1	520.0	519.6	519.1	518.5	518.1
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3

(END OF REPORT)