

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: P333704-940

Luminaire Tested: **S125RDIW-S1090D770U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333704-940
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-S1090D770U940-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6537.4 lumens
Efficiency: N/A
Efficacy: 122.0 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: General Diffuse

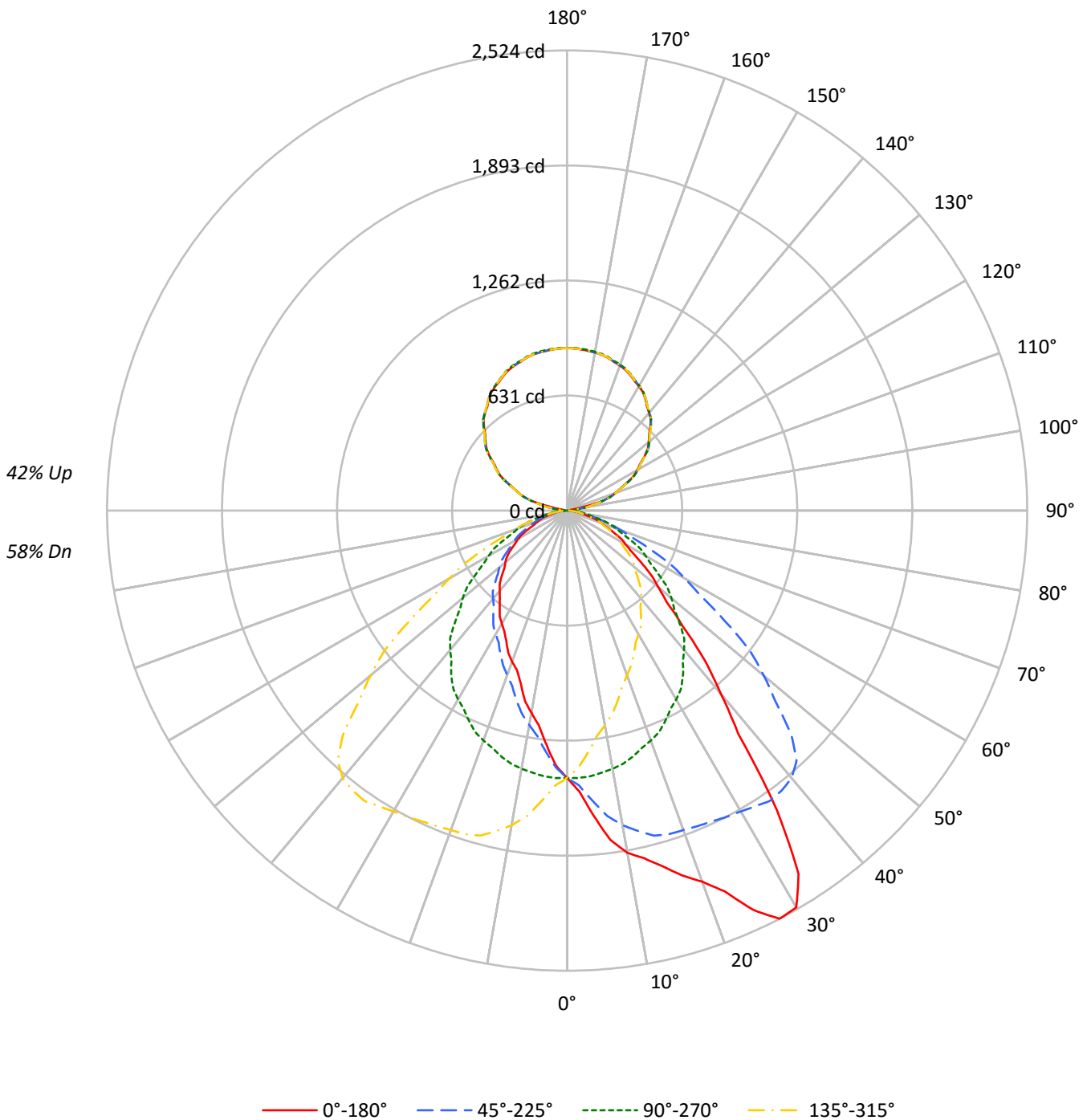
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58
1	100	96	92	89	93	90	86	83	78	75	73	67	65	64	57	56	55	50
2	92	84	78	73	85	79	74	69	69	65	61	59	56	54	51	49	47	43
3	84	74	67	62	78	70	63	58	61	56	52	53	49	46	45	43	40	37
4	77	66	58	52	71	62	55	50	54	49	45	47	43	40	41	38	35	32
5	71	59	51	45	66	56	48	43	49	43	39	43	38	35	37	33	31	28
6	65	53	45	39	61	50	43	38	44	38	34	39	34	31	34	30	27	24
7	60	48	40	35	56	45	38	33	40	34	30	35	31	27	31	27	24	22
8	56	44	36	31	52	41	34	29	37	31	27	32	28	24	28	25	22	20
9	52	40	33	28	49	38	31	26	34	28	24	30	25	22	26	22	20	18
10	49	37	30	25	46	35	28	24	31	26	22	28	23	20	24	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9469	9469	9469	9469
5°	10893	9481	8373	9481
10°	12496	9433	7389	9433
15°	13497	9336	6567	9336
20°	14882	9224	6064	9224
25°	17224	9075	5627	9075
30°	18744	8918	5341	8918
35°	15811	8736	5077	8736
40°	11042	8408	4850	8408
45°	8191	7965	4629	7965
50°	6531	7504	4439	7504
55°	5543	6933	4270	6933
60°	4790	6421	3995	6421
65°	4268	5868	3440	5868
70°	3750	5374	3136	5374
75°	3244	4654	2944	4654
80°	2462	3916	2462	3916
85°	2045	3083	2319	3083



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	2.2
10°-20°	412.0	6.3
20°-30°	653.3	10.0
30°-40°	787.8	12.1
40°-50°	703.5	10.8
50°-60°	539.5	8.3
60°-70°	350.6	5.4
70°-80°	170.5	2.6
80°-90°	42.5	0.7
90°-100°	32.4	0.5
100°-110°	199.6	3.1
110°-120°	362.0	5.5
120°-130°	464.6	7.1
130°-140°	499.8	7.6
140°-150°	469.1	7.2
150°-160°	379.5	5.8
160°-170°	245.4	3.8
170°-180°	84.6	1.3
0°-30°	1205.9	18.4
0°-40°	1993.7	30.5
0°-60°	3236.7	49.5
0°-90°	3800.3	58.1
90°-120°	594.1	9.1
90°-150°	2027.6	31.0
90°-180°	2737.0	41.9
0°-180°	6537.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1466	1466	1466	1466	1466	
5°	1680	1462	1292	1462	1680	168
15°	2019	1396	982	1396	2019	578
25°	2417	1274	790	1274	2417	1110
35°	2005	1108	644	1108	2005	1211
45°	897	872	507	872	897	716
55°	492	616	379	616	492	447
65°	279	384	225	384	279	278
75°	130	186	118	186	130	138
85°	28	42	31	42	28	32
90°	16	1	16	1	16	8
95°	14	38	14	38	14	11
105°	196	194	196	194	196	177
115°	362	365	362	365	362	359
125°	519	519	519	519	519	461
135°	644	647	644	647	644	497
145°	748	750	748	750	748	467
155°	820	826	820	826	820	378
165°	867	872	867	872	867	245
175°	887	891	887	891	887	84
180°	891	891	891	891	891	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1542.2	1541.2	1543.2	1537.8	1538.4	1530.2	1530.2	1523.9	1515.7	1509.5	1506.5
5°	1680.3	1681.6	1679.2	1670.2	1664.1	1655.1	1644.8	1626.8	1611.8	1597.3	1585.9
7.5°	1822.7	1823.5	1815.5	1812.8	1797.6	1786.5	1763.8	1739.2	1717.4	1689.8	1668.6
10°	1905.5	1904.9	1896.4	1889.8	1876.6	1859.8	1837.5	1808.6	1781.5	1751.4	1722.5
12.5°	1953.6	1952.0	1949.4	1941.3	1929.0	1914.1	1895.2	1866.8	1833.4	1800.5	1766.8
15°	2018.7	2014.4	2006.6	1996.4	1978.9	1961.4	1940.4	1915.1	1883.2	1845.8	1814.6
17.5°	2099.0	2099.2	2087.1	2072.9	2049.2	2018.4	1985.8	1945.1	1901.8	1860.7	1827.4
20°	2165.4	2163.6	2151.6	2124.0	2096.9	2058.3	2021.1	1971.0	1918.1	1864.6	1823.0
22.5°	2260.8	2256.1	2243.5	2207.3	2165.3	2115.7	2058.6	1997.5	1933.5	1872.7	1818.2
25°	2417.1	2413.4	2388.7	2346.6	2287.7	2211.2	2136.5	2052.9	1960.9	1880.8	1814.6
27.5°	2523.9	2520.0	2501.7	2466.7	2412.3	2331.8	2230.8	2119.0	2004.0	1893.9	1798.5
30°	2513.4	2522.4	2520.0	2503.7	2462.8	2390.6	2297.3	2171.5	2034.9	1905.5	1791.7
32.5°	2362.1	2370.3	2391.4	2423.3	2425.7	2396.8	2327.1	2211.0	2069.6	1922.4	1786.5
35°	2005.4	2016.2	2057.2	2121.6	2205.8	2276.2	2290.6	2228.0	2101.0	1942.8	1778.5
37.5°	1541.7	1600.9	1635.4	1703.2	1830.5	1960.0	2084.6	2130.5	2076.3	1934.4	1765.6
40°	1309.7	1324.1	1385.5	1461.9	1569.1	1703.9	1881.4	2009.6	2013.8	1915.1	1745.3
42.5°	1120.9	1139.2	1181.3	1242.3	1334.1	1468.9	1652.3	1821.3	1899.7	1862.2	1718.9
45°	896.8	910.6	941.3	988.3	1058.6	1170.0	1327.7	1523.3	1678.6	1739.4	1647.9
47.5°	736.6	744.1	770.9	806.6	858.7	939.9	1061.9	1231.7	1418.0	1548.5	1535.7
50°	650.0	658.4	678.9	706.0	749.9	818.5	916.1	1057.5	1249.5	1408.9	1440.8
52.5°	582.6	589.6	602.4	627.9	664.2	716.9	795.7	923.6	1096.4	1266.0	1339.7
55°	492.3	497.1	507.4	521.8	550.7	588.6	656.7	745.1	884.8	1055.6	1164.0
57.5°	417.9	420.4	426.9	440.2	460.2	487.9	537.0	612.0	712.1	866.0	985.6
60°	370.8	373.2	381.6	390.6	406.3	431.5	470.0	522.4	618.7	745.7	866.7
62.5°	333.1	334.7	338.2	347.2	361.0	380.5	410.8	453.5	530.1	641.7	755.9
65°	279.3	279.8	281.1	288.3	296.7	311.1	331.0	361.1	418.9	503.2	604.2
67.5°	227.5	228.4	232.6	235.1	243.9	251.5	263.1	286.1	326.8	383.6	462.3
70°	198.6	198.0	202.2	205.3	208.2	217.3	225.1	243.8	269.0	312.4	378.0
72.5°	171.7	170.0	171.9	173.0	176.9	183.1	190.9	202.3	221.9	251.7	301.9
75°	130.0	130.6	130.6	131.8	134.8	137.2	139.6	145.6	156.5	176.4	203.4
77.5°	91.2	90.2	92.8	93.2	95.0	97.6	99.7	102.1	106.6	114.7	128.7
80°	66.2	66.2	66.8	68.6	68.0	69.2	72.2	74.6	80.1	84.9	89.7
82.5°	50.8	50.3	50.9	51.3	51.2	52.3	53.4	53.9	56.0	58.4	61.7
85°	27.6	27.6	28.3	28.3	28.9	28.9	29.5	29.5	29.5	30.1	30.7
87.5°	13.7	13.2	12.7	12.6	12.9	13.7	13.1	12.5	12.4	12.2	12.5
90°	15.9	15.4	15.0	14.5	14.1	13.5	12.8	12.0	11.3	10.6	9.5
92.5°	14.8	14.6	14.4	14.2	14.0	13.5	12.8	12.0	11.3	10.6	9.6
95°	13.9	13.9	13.9	13.9	13.9	13.5	12.8	12.0	11.3	10.6	16.1
97.5°	13.9	13.9	13.9	13.9	13.9	16.0	20.1	24.3	28.4	32.5	43.5
100°	13.9	14.4	15.1	15.6	16.2	27.5	49.3	71.2	93.1	114.9	114.4
102.5°	83.1	93.1	103.1	113.1	123.1	130.1	134.3	138.4	142.6	146.7	146.3
105°	196.3	196.4	196.5	196.7	196.8	196.9	196.9	196.9	196.9	196.9	196.9
107.5°	247.4	247.8	248.3	248.7	249.1	249.3	249.3	249.3	249.2	249.2	249.0
110°	282.8	282.7	282.5	282.3	282.2	282.3	282.8	283.2	283.7	284.1	283.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	314.5	314.7	315.0	315.1	315.3	315.7	316.3	316.8	317.4	318.0	317.8
115°	362.0	362.9	363.8	364.7	365.6	366.3	366.9	367.5	368.1	368.7	368.5
117.5°	412.9	413.2	413.6	413.9	414.4	414.9	415.7	416.4	417.2	417.9	417.4
120°	444.0	444.8	445.5	446.2	446.9	447.5	447.7	448.1	448.4	448.6	448.2
122.5°	473.6	474.5	475.3	476.2	477.0	477.6	477.9	478.1	478.5	478.8	478.6
125°	518.7	519.2	519.5	520.0	520.4	520.9	521.6	522.1	522.7	523.3	523.3
127.5°	556.6	557.7	558.7	559.8	561.0	561.7	562.0	562.3	562.6	562.9	563.0
130°	584.1	584.8	585.6	586.3	587.0	587.6	588.1	588.5	588.9	589.3	589.2
132.5°	609.5	610.2	610.9	611.6	612.4	612.8	612.9	613.0	613.1	613.1	613.5
135°	644.2	645.1	646.0	646.8	647.7	648.4	648.6	648.9	649.2	649.5	649.8
137.5°	679.1	679.8	680.6	681.4	682.2	682.5	682.4	682.4	682.3	682.2	682.5
140°	699.7	700.6	701.5	702.3	703.2	703.6	703.2	702.9	702.7	702.3	702.5
142.5°	719.3	720.1	721.0	721.9	722.8	723.2	723.2	723.1	723.0	723.0	722.7
145°	748.0	748.9	749.7	750.6	751.4	751.8	751.7	751.5	751.4	751.3	751.3
147.5°	771.6	772.7	773.7	774.8	775.8	776.2	776.1	775.9	775.7	775.5	775.3
150°	786.9	788.1	789.3	790.4	791.7	792.1	791.8	791.5	791.2	790.9	790.6
152.5°	801.2	802.3	803.3	804.3	805.4	805.8	805.5	805.2	804.9	804.6	804.3
155°	819.9	821.2	822.3	823.5	824.7	825.0	824.6	824.1	823.7	823.2	823.0
157.5°	835.7	836.9	838.0	839.2	840.3	840.7	840.3	839.8	839.4	838.8	838.8
160°	845.7	846.9	848.1	849.3	850.4	850.7	850.2	849.5	849.0	848.4	848.2
162.5°	854.7	856.0	857.3	858.6	859.9	860.1	859.3	858.4	857.6	856.8	856.7
165°	866.8	868.1	869.2	870.4	871.6	871.7	870.8	870.0	869.1	868.2	868.1
167.5°	875.3	876.6	878.0	879.3	880.7	880.7	879.7	878.6	877.5	876.6	876.4
170°	880.1	881.4	882.7	884.0	885.4	885.5	884.3	883.1	881.9	880.7	880.6
172.5°	883.2	884.6	885.9	887.3	888.5	888.7	887.6	886.5	885.5	884.5	884.2
175°	887.3	888.7	890.0	891.4	892.6	892.7	891.5	890.4	889.2	888.1	887.9
177.5°	889.7	890.6	891.6	892.5	893.5	893.6	892.7	891.9	891.1	890.3	890.1
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1506.5	1503.2	1496.9	1491.1	1483.9	1477.7	1473.4	1468.0	1461.3	1453.1	1446.4
5°	1573.2	1560.0	1542.6	1527.5	1508.2	1493.2	1477.6	1462.5	1447.4	1428.2	1411.3
7.5°	1647.2	1619.8	1593.2	1559.8	1529.5	1502.4	1476.3	1450.0	1424.2	1396.9	1370.6
10°	1692.4	1659.3	1622.6	1580.5	1541.9	1505.2	1471.5	1438.4	1403.6	1372.8	1339.7
12.5°	1734.8	1692.0	1650.0	1596.9	1550.6	1505.7	1462.9	1421.6	1384.3	1344.4	1308.9
15°	1773.1	1730.9	1684.0	1619.0	1554.6	1500.4	1449.8	1396.3	1350.0	1305.4	1265.7
17.5°	1787.9	1743.7	1689.2	1626.7	1556.3	1488.2	1423.0	1364.3	1309.7	1257.8	1213.2
20°	1782.1	1739.4	1683.4	1623.8	1548.5	1477.6	1407.1	1342.1	1281.4	1226.5	1179.0
22.5°	1768.1	1723.9	1669.9	1607.0	1535.5	1460.2	1385.0	1315.6	1252.0	1195.2	1143.4
25°	1747.2	1687.0	1631.7	1570.2	1502.3	1427.6	1350.0	1273.5	1205.5	1147.7	1091.2
27.5°	1725.4	1650.3	1579.8	1518.9	1447.0	1380.4	1305.6	1227.2	1155.7	1096.8	1038.8
30°	1705.7	1621.4	1543.7	1474.5	1406.5	1343.4	1272.3	1195.9	1122.5	1061.7	1002.7
32.5°	1681.1	1591.5	1506.2	1426.4	1360.8	1298.1	1233.8	1160.7	1089.2	1026.5	966.6
35°	1650.3	1536.0	1443.2	1358.3	1285.6	1224.8	1167.0	1108.0	1036.4	971.4	913.0
37.5°	1609.8	1480.1	1372.8	1280.4	1203.5	1142.5	1096.9	1043.0	977.7	915.4	861.2
40°	1585.3	1439.7	1322.2	1230.8	1150.1	1085.7	1043.0	997.3	937.7	879.3	825.1
42.5°	1552.6	1402.6	1271.2	1175.9	1094.8	1032.8	989.5	949.6	899.6	844.6	786.6
45°	1488.4	1330.7	1192.8	1090.6	1008.7	947.9	907.6	872.1	834.2	783.6	733.1
47.5°	1404.8	1255.7	1111.5	999.8	919.6	863.2	824.0	796.0	768.9	725.9	676.8
50°	1337.9	1194.1	1053.2	944.9	859.4	805.8	769.2	746.9	722.2	683.1	642.2
52.5°	1258.9	1130.5	992.6	881.8	801.2	751.0	715.7	693.5	673.2	641.2	602.2
55°	1134.5	1022.0	895.5	795.0	721.0	670.5	636.8	615.7	603.7	576.6	545.9
57.5°	990.9	910.3	798.8	701.9	636.4	586.5	561.8	543.9	530.2	511.1	489.5
60°	890.7	834.2	734.2	642.2	582.0	534.4	512.2	497.1	484.5	468.2	451.4
62.5°	789.2	748.0	661.1	582.0	526.6	486.8	465.9	452.4	437.8	426.9	410.5
65°	653.0	616.3	556.1	494.1	443.0	411.1	396.0	384.0	375.0	362.9	351.5
67.5°	508.0	493.0	451.5	408.8	372.0	343.7	330.6	322.3	311.4	304.2	296.3
70°	418.9	411.7	382.2	353.9	319.6	300.3	288.3	284.6	271.4	264.2	258.8
72.5°	339.9	336.5	319.6	300.0	275.8	259.0	247.8	243.8	235.3	229.5	226.0
75°	232.9	234.2	231.1	218.5	209.5	198.6	189.0	186.5	180.6	175.8	172.7
77.5°	147.3	153.5	153.7	153.1	149.5	142.9	138.9	137.1	131.2	129.4	128.7
80°	101.1	107.7	113.8	113.2	111.9	110.1	107.1	105.3	102.3	100.5	99.3
82.5°	67.4	73.6	78.6	81.9	81.6	79.8	77.8	77.0	76.3	75.0	74.7
85°	31.9	33.1	34.9	39.1	42.1	42.7	42.1	41.6	39.7	40.3	40.9
87.5°	12.8	12.6	12.8	12.7	11.9	14.1	15.3	15.5	14.8	14.1	13.4
90°	8.6	7.5	6.4	5.4	4.2	3.0	1.9	0.6	1.9	3.0	4.2
92.5°	8.7	7.8	7.0	6.9	7.7	8.6	9.4	10.2	9.4	8.6	7.7
95°	21.8	27.3	32.9	35.9	36.4	36.7	37.2	37.6	37.2	36.7	36.4
97.5°	54.6	65.6	76.7	81.8	81.0	80.3	79.5	78.6	79.5	80.3	81.0
100°	113.8	113.2	112.6	112.1	111.6	111.2	110.8	110.3	110.8	111.2	111.6
102.5°	146.0	145.6	145.3	144.8	144.3	143.7	143.1	142.6	143.1	143.7	144.3
105°	196.9	196.9	196.9	196.6	196.0	195.5	194.8	194.2	194.8	195.5	196.0
107.5°	248.6	248.3	248.1	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.9
110°	283.6	283.2	282.9	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8



TEST NUMBER: P333704-940

CATALOG NUMBER: S125RDIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	317.6	317.4	317.3	317.0	316.6	316.3	315.9	315.6	315.9	316.3	316.6
115°	368.4	368.3	368.1	367.7	366.9	366.2	365.4	364.7	365.4	366.2	366.9
117.5°	416.9	416.3	415.7	415.4	415.5	415.5	415.5	415.6	415.5	415.5	415.5
120°	447.7	447.3	446.8	446.7	446.8	447.0	447.2	447.3	447.2	447.0	446.8
122.5°	478.3	478.1	478.0	477.6	477.0	476.4	475.9	475.3	475.9	476.4	477.0
125°	523.3	523.3	523.3	522.8	521.7	520.8	519.7	518.7	519.7	520.8	521.7
127.5°	563.1	563.2	563.3	562.9	562.2	561.5	560.8	560.0	560.8	561.5	562.2
130°	589.1	588.9	588.8	588.4	587.6	586.8	586.1	585.4	586.1	586.8	587.6
132.5°	613.8	614.1	614.5	614.2	613.3	612.5	611.6	610.7	611.6	612.5	613.3
135°	650.1	650.4	650.7	650.4	649.5	648.6	647.7	646.8	647.7	648.6	649.5
137.5°	682.8	683.1	683.3	683.1	682.3	681.5	680.8	680.0	680.8	681.5	682.3
140°	702.7	702.8	702.9	702.8	702.6	702.3	702.0	701.7	702.0	702.3	702.6
142.5°	722.6	722.4	722.1	721.9	721.8	721.6	721.4	721.2	721.4	721.6	721.8
145°	751.3	751.3	751.3	751.1	750.8	750.6	750.2	749.9	750.2	750.6	750.8
147.5°	775.2	775.1	774.9	774.8	774.9	774.9	775.0	775.1	775.0	774.9	774.9
150°	790.3	790.0	789.7	789.7	790.0	790.3	790.6	790.9	790.6	790.3	790.0
152.5°	804.1	803.8	803.4	803.6	804.3	804.9	805.6	806.2	805.6	804.9	804.3
155°	822.7	822.4	822.1	822.4	823.2	824.1	825.0	825.9	825.0	824.1	823.2
157.5°	838.8	838.7	838.7	839.0	839.5	840.1	840.6	841.1	840.6	840.1	839.5
160°	848.1	847.9	847.7	848.2	849.0	849.9	850.8	851.7	850.8	849.9	849.0
162.5°	856.6	856.4	856.2	856.6	857.5	858.4	859.3	860.1	859.3	858.4	857.5
165°	867.9	867.7	867.6	868.0	868.9	869.8	870.6	871.5	870.6	869.8	868.9
167.5°	876.2	876.1	875.9	876.3	877.3	878.2	879.0	879.9	879.0	878.2	877.3
170°	880.5	880.3	880.1	880.6	881.6	882.6	883.7	884.8	883.7	882.6	881.6
172.5°	884.0	883.7	883.4	883.8	884.8	885.8	886.9	887.9	886.9	885.8	884.8
175°	887.7	887.6	887.4	887.8	888.7	889.6	890.5	891.4	890.5	889.6	888.7
177.5°	890.0	889.9	889.7	890.1	890.8	891.5	892.2	892.9	892.2	891.5	890.8
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4



TEST NUMBER: P333704-940

CATALOG NUMBER: S125RDIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1441.5	1434.9	1430.0	1420.4	1413.6	1410.8	1405.4	1404.0	1409.3	1405.4	1405.0
5°	1398.7	1381.3	1367.4	1353.5	1338.5	1328.9	1314.5	1312.1	1308.4	1303.0	1301.8
7.5°	1347.3	1324.5	1306.7	1283.9	1264.0	1248.0	1229.9	1221.4	1216.7	1209.7	1200.3
10°	1312.6	1285.6	1261.5	1238.6	1214.0	1194.1	1176.0	1162.2	1153.2	1144.7	1141.1
12.5°	1278.4	1250.9	1220.0	1192.4	1164.8	1142.5	1122.6	1113.6	1103.6	1093.7	1085.3
15°	1225.4	1188.7	1154.9	1123.0	1099.6	1075.5	1056.2	1043.0	1028.0	1023.8	1007.5
17.5°	1169.0	1133.0	1093.6	1060.0	1032.8	1006.3	985.1	970.1	958.8	943.3	935.8
20°	1133.9	1091.2	1052.7	1022.0	991.8	960.6	938.9	926.2	915.4	902.8	896.8
22.5°	1096.4	1054.5	1015.1	979.1	948.5	917.7	902.3	889.2	876.9	865.2	857.3
25°	1041.2	999.1	957.5	920.2	888.3	866.0	848.0	832.9	826.3	814.9	806.5
27.5°	986.7	941.9	898.8	861.6	836.6	814.6	799.8	787.8	775.9	765.9	758.6
30°	951.5	905.8	858.8	829.4	802.9	781.8	765.5	754.1	745.1	736.1	730.7
32.5°	916.4	869.2	827.5	795.7	770.6	752.4	735.7	724.8	715.2	705.3	698.8
35°	860.1	811.9	778.2	746.9	722.2	705.3	693.9	678.3	670.5	663.3	656.7
37.5°	807.7	762.9	726.5	699.0	677.5	660.8	646.0	637.6	627.9	621.4	615.9
40°	769.2	728.3	695.2	666.3	650.6	632.0	618.1	607.3	600.0	591.7	585.6
42.5°	734.5	696.4	664.3	638.3	618.8	603.1	589.7	578.9	569.7	563.7	558.7
45°	685.5	647.6	616.3	592.2	574.2	559.1	545.3	539.8	527.8	520.6	518.2
47.5°	634.8	600.9	570.7	548.5	530.0	515.8	502.7	491.7	485.1	478.0	474.1
50°	600.7	568.1	539.8	518.2	500.2	484.5	472.4	465.2	456.2	449.6	444.8
52.5°	566.5	536.4	508.1	487.4	471.7	456.1	442.6	435.4	426.9	422.6	419.3
55°	517.6	485.7	461.6	441.1	424.9	410.5	397.8	390.6	385.2	380.9	379.8
57.5°	462.3	436.9	414.6	396.1	379.2	365.7	354.6	347.8	343.0	342.3	338.8
60°	426.1	403.2	382.8	362.9	348.5	335.8	326.2	318.3	313.5	313.0	311.7
62.5°	390.0	368.1	349.1	331.6	318.6	306.5	297.3	288.6	285.6	282.7	280.0
65°	336.4	316.6	301.0	287.0	273.2	263.0	254.0	248.6	241.9	238.4	231.8
67.5°	283.8	268.4	253.4	241.7	230.9	221.1	213.7	205.6	201.2	198.2	193.4
70°	249.1	237.1	222.1	209.5	201.0	193.2	187.2	178.2	175.1	172.7	170.3
72.5°	216.4	205.8	193.2	183.0	174.5	167.2	160.2	156.0	153.0	150.6	149.2
75°	170.3	160.1	149.3	142.0	136.0	130.0	126.4	123.4	122.2	121.5	119.1
77.5°	125.1	119.7	111.0	105.2	101.2	98.8	95.6	94.0	93.9	91.2	90.4
80°	95.7	92.6	85.4	83.0	80.1	77.7	75.8	72.9	69.8	68.6	66.8
82.5°	71.2	68.1	65.3	61.3	58.9	57.4	55.6	54.5	54.9	53.2	52.3
85°	37.9	34.9	33.7	33.1	31.9	33.1	32.5	31.9	31.3	30.7	31.3
87.5°	13.1	13.3	13.0	14.2	13.0	13.6	13.8	13.5	13.6	13.7	13.4
90°	5.4	6.4	7.5	8.6	9.5	10.6	11.3	12.0	12.8	13.5	14.1
92.5°	6.9	7.0	7.8	8.7	9.6	10.6	11.3	12.0	12.8	13.5	14.0
95°	35.9	32.9	27.3	21.8	16.1	10.6	11.3	12.0	12.8	13.5	13.9
97.5°	81.8	76.7	65.6	54.6	43.5	32.5	28.4	24.3	20.1	16.0	13.9
100°	112.1	112.6	113.2	113.8	114.4	114.9	93.1	71.2	49.3	27.5	16.2
102.5°	144.8	145.3	145.6	146.0	146.3	146.7	142.6	138.4	134.3	130.1	123.1
105°	196.6	196.9	196.9	196.9	196.9	196.9	196.9	196.9	196.9	196.9	196.8
107.5°	247.9	248.1	248.3	248.6	249.0	249.2	249.2	249.3	249.3	249.3	249.1
110°	282.8	282.9	283.2	283.6	283.8	284.1	283.7	283.2	282.8	282.3	282.2



TEST NUMBER: P333704-940

CATALOG NUMBER: S125RDIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	317.0	317.3	317.4	317.6	317.8	318.0	317.4	316.8	316.3	315.7	315.3
115°	367.7	368.1	368.3	368.4	368.5	368.7	368.1	367.5	366.9	366.3	365.6
117.5°	415.4	415.7	416.3	416.9	417.4	417.9	417.2	416.4	415.7	414.9	414.4
120°	446.7	446.8	447.3	447.7	448.2	448.6	448.4	448.1	447.7	447.5	446.9
122.5°	477.6	478.0	478.1	478.3	478.6	478.8	478.5	478.1	477.9	477.6	477.0
125°	522.8	523.3	523.3	523.3	523.3	523.3	522.7	522.1	521.6	520.9	520.4
127.5°	562.9	563.3	563.2	563.1	563.0	562.9	562.6	562.3	562.0	561.7	561.0
130°	588.4	588.8	588.9	589.1	589.2	589.3	588.9	588.5	588.1	587.6	587.0
132.5°	614.2	614.5	614.1	613.8	613.5	613.1	613.1	613.0	612.9	612.8	612.4
135°	650.4	650.7	650.4	650.1	649.8	649.5	649.2	648.9	648.6	648.4	647.7
137.5°	683.1	683.3	683.1	682.8	682.5	682.2	682.3	682.4	682.4	682.5	682.2
140°	702.8	702.9	702.8	702.7	702.5	702.3	702.7	702.9	703.2	703.6	703.2
142.5°	721.9	722.1	722.4	722.6	722.7	723.0	723.0	723.1	723.2	723.2	722.8
145°	751.1	751.3	751.3	751.3	751.3	751.3	751.4	751.5	751.7	751.8	751.4
147.5°	774.8	774.9	775.1	775.2	775.3	775.5	775.7	775.9	776.1	776.2	775.8
150°	789.7	789.7	790.0	790.3	790.6	790.9	791.2	791.5	791.8	792.1	791.7
152.5°	803.6	803.4	803.8	804.1	804.3	804.6	804.9	805.2	805.5	805.8	805.4
155°	822.4	822.1	822.4	822.7	823.0	823.2	823.7	824.1	824.6	825.0	824.7
157.5°	839.0	838.7	838.7	838.8	838.8	838.8	839.4	839.8	840.3	840.7	840.3
160°	848.2	847.7	847.9	848.1	848.2	848.4	849.0	849.5	850.2	850.7	850.4
162.5°	856.6	856.2	856.4	856.6	856.7	856.8	857.6	858.4	859.3	860.1	859.9
165°	868.0	867.6	867.7	867.9	868.1	868.2	869.1	870.0	870.8	871.7	871.6
167.5°	876.3	875.9	876.1	876.2	876.4	876.6	877.5	878.6	879.7	880.7	880.7
170°	880.6	880.1	880.3	880.5	880.6	880.7	881.9	883.1	884.3	885.5	885.4
172.5°	883.8	883.4	883.7	884.0	884.2	884.5	885.5	886.5	887.6	888.7	888.5
175°	887.8	887.4	887.6	887.7	887.9	888.1	889.2	890.4	891.5	892.7	892.6
177.5°	890.1	889.7	889.9	890.0	890.1	890.3	891.1	891.9	892.7	893.6	893.5
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4



TEST NUMBER: P333704-940

CATALOG NUMBER: S125RDIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1404.4	1399.2	1397.8	1399.6	1397.8	1399.2	1404.4	1405.0	1405.4	1409.3	1404.0
5°	1295.8	1289.8	1292.8	1291.6	1292.8	1289.8	1295.8	1301.8	1303.0	1308.4	1312.1
7.5°	1200.2	1192.8	1184.8	1187.3	1184.8	1192.8	1200.2	1200.3	1209.7	1216.7	1221.4
10°	1133.3	1127.3	1123.6	1126.7	1123.6	1127.3	1133.3	1141.1	1144.7	1153.2	1162.2
12.5°	1076.9	1073.4	1070.2	1068.9	1070.2	1073.4	1076.9	1085.3	1093.7	1103.6	1113.6
15°	1000.3	993.1	990.1	982.2	990.1	993.1	1000.3	1007.5	1023.8	1028.0	1043.0
17.5°	929.6	927.2	919.4	916.1	919.4	927.2	929.6	935.8	943.3	958.8	970.1
20°	887.7	885.3	877.5	882.3	877.5	885.3	887.7	896.8	902.8	915.4	926.2
22.5°	853.1	847.7	845.3	843.8	845.3	847.7	853.1	857.3	865.2	876.9	889.2
25°	804.1	796.2	793.3	789.6	793.3	796.2	804.1	806.5	814.9	826.3	832.9
27.5°	755.2	751.0	747.0	746.1	747.0	751.0	755.2	758.6	765.9	775.9	787.8
30°	723.4	719.3	716.2	716.2	716.2	719.3	723.4	730.7	736.1	745.1	754.1
32.5°	695.0	691.8	688.8	688.3	688.8	691.8	695.0	698.8	705.3	715.2	724.8
35°	653.6	648.8	647.6	644.0	647.6	648.8	653.6	656.7	663.3	670.5	678.3
37.5°	610.6	606.6	606.5	606.2	606.5	606.6	610.6	615.9	621.4	627.9	637.6
40°	583.2	580.1	579.6	575.3	579.6	580.1	583.2	585.6	591.7	600.0	607.3
42.5°	553.8	552.2	550.2	548.4	550.2	552.2	553.8	558.7	563.7	569.7	578.9
45°	514.0	509.8	509.8	506.8	509.8	509.8	514.0	518.2	520.6	527.8	539.8
47.5°	472.8	469.6	469.9	466.8	469.9	469.6	472.8	474.1	478.0	485.1	491.7
50°	445.4	443.5	443.0	441.8	443.0	443.5	445.4	444.8	449.6	456.2	465.2
52.5°	417.9	417.1	419.4	416.7	419.4	417.1	417.9	419.3	422.6	426.9	435.4
55°	380.9	379.2	382.8	379.2	382.8	379.2	380.9	379.8	380.9	385.2	390.6
57.5°	338.5	336.8	340.0	338.2	340.0	336.8	338.5	338.8	342.3	343.0	347.8
60°	310.6	306.9	308.7	309.3	308.7	306.9	310.6	311.7	313.0	313.5	318.3
62.5°	277.3	275.2	276.5	273.8	276.5	275.2	277.3	280.0	282.7	285.6	288.6
65°	230.5	228.7	226.3	225.1	226.3	228.7	230.5	231.8	238.4	241.9	248.6
67.5°	193.7	189.3	189.2	190.2	189.2	189.3	193.7	193.4	198.2	201.2	205.6
70°	166.7	166.7	166.1	166.1	166.1	166.7	166.7	170.3	172.7	175.1	178.2
72.5°	147.9	147.5	146.3	145.9	146.3	147.5	147.9	149.2	150.6	153.0	156.0
75°	119.1	119.8	118.6	118.0	118.6	119.8	119.1	119.1	121.5	122.2	123.4
77.5°	88.0	85.4	86.8	85.4	86.8	85.4	88.0	90.4	91.2	93.9	94.0
80°	66.8	66.2	68.0	66.2	68.0	66.2	66.8	66.8	68.6	69.8	72.9
82.5°	52.9	52.3	53.1	51.7	53.1	52.3	52.9	52.3	53.2	54.9	54.5
85°	31.9	31.3	30.7	31.3	30.7	31.3	31.9	31.3	30.7	31.3	31.9
87.5°	14.0	13.6	13.6	13.7	13.6	13.6	14.0	13.4	13.7	13.6	13.5
90°	14.5	15.0	15.4	15.9	15.4	15.0	14.5	14.1	13.5	12.8	12.0
92.5°	14.2	14.4	14.6	14.8	14.6	14.4	14.2	14.0	13.5	12.8	12.0
95°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.5	12.8	12.0
97.5°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	16.0	20.1	24.3
100°	15.6	15.1	14.4	13.9	14.4	15.1	15.6	16.2	27.5	49.3	71.2
102.5°	113.1	103.1	93.1	83.1	93.1	103.1	113.1	123.1	130.1	134.3	138.4
105°	196.7	196.5	196.4	196.3	196.4	196.5	196.7	196.8	196.9	196.9	196.9
107.5°	248.7	248.3	247.8	247.4	247.8	248.3	248.7	249.1	249.3	249.3	249.3
110°	282.3	282.5	282.7	282.8	282.7	282.5	282.3	282.2	282.3	282.8	283.2



TEST NUMBER: P333704-940

CATALOG NUMBER: S125RDIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	315.1	315.0	314.7	314.5	314.7	315.0	315.1	315.3	315.7	316.3	316.8
115°	364.7	363.8	362.9	362.0	362.9	363.8	364.7	365.6	366.3	366.9	367.5
117.5°	413.9	413.6	413.2	412.9	413.2	413.6	413.9	414.4	414.9	415.7	416.4
120°	446.2	445.5	444.8	444.0	444.8	445.5	446.2	446.9	447.5	447.7	448.1
122.5°	476.2	475.3	474.5	473.6	474.5	475.3	476.2	477.0	477.6	477.9	478.1
125°	520.0	519.5	519.2	518.7	519.2	519.5	520.0	520.4	520.9	521.6	522.1
127.5°	559.8	558.7	557.7	556.6	557.7	558.7	559.8	561.0	561.7	562.0	562.3
130°	586.3	585.6	584.8	584.1	584.8	585.6	586.3	587.0	587.6	588.1	588.5
132.5°	611.6	610.9	610.2	609.5	610.2	610.9	611.6	612.4	612.8	612.9	613.0
135°	646.8	646.0	645.1	644.2	645.1	646.0	646.8	647.7	648.4	648.6	648.9
137.5°	681.4	680.6	679.8	679.1	679.8	680.6	681.4	682.2	682.5	682.4	682.4
140°	702.3	701.5	700.6	699.7	700.6	701.5	702.3	703.2	703.6	703.2	702.9
142.5°	721.9	721.0	720.1	719.3	720.1	721.0	721.9	722.8	723.2	723.2	723.1
145°	750.6	749.7	748.9	748.0	748.9	749.7	750.6	751.4	751.8	751.7	751.5
147.5°	774.8	773.7	772.7	771.6	772.7	773.7	774.8	775.8	776.2	776.1	775.9
150°	790.4	789.3	788.1	786.9	788.1	789.3	790.4	791.7	792.1	791.8	791.5
152.5°	804.3	803.3	802.3	801.2	802.3	803.3	804.3	805.4	805.8	805.5	805.2
155°	823.5	822.3	821.2	819.9	821.2	822.3	823.5	824.7	825.0	824.6	824.1
157.5°	839.2	838.0	836.9	835.7	836.9	838.0	839.2	840.3	840.7	840.3	839.8
160°	849.3	848.1	846.9	845.7	846.9	848.1	849.3	850.4	850.7	850.2	849.5
162.5°	858.6	857.3	856.0	854.7	856.0	857.3	858.6	859.9	860.1	859.3	858.4
165°	870.4	869.2	868.1	866.8	868.1	869.2	870.4	871.6	871.7	870.8	870.0
167.5°	879.3	878.0	876.6	875.3	876.6	878.0	879.3	880.7	880.7	879.7	878.6
170°	884.0	882.7	881.4	880.1	881.4	882.7	884.0	885.4	885.5	884.3	883.1
172.5°	887.3	885.9	884.6	883.2	884.6	885.9	887.3	888.5	888.7	887.6	886.5
175°	891.4	890.0	888.7	887.3	888.7	890.0	891.4	892.6	892.7	891.5	890.4
177.5°	892.5	891.6	890.6	889.7	890.6	891.6	892.5	893.5	893.6	892.7	891.9
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4



TEST NUMBER: P333704-940

CATALOG NUMBER: S125RDIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1405.4	1410.8	1413.6	1420.4	1430.0	1434.9	1441.5	1446.4	1453.1	1461.3	1468.0
5°	1314.5	1328.9	1338.5	1353.5	1367.4	1381.3	1398.7	1411.3	1428.2	1447.4	1462.5
7.5°	1229.9	1248.0	1264.0	1283.9	1306.7	1324.5	1347.3	1370.6	1396.9	1424.2	1450.0
10°	1176.0	1194.1	1214.0	1238.6	1261.5	1285.6	1312.6	1339.7	1372.8	1403.6	1438.4
12.5°	1122.6	1142.5	1164.8	1192.4	1220.0	1250.9	1278.4	1308.9	1344.4	1384.3	1421.6
15°	1056.2	1075.5	1099.6	1123.0	1154.9	1188.7	1225.4	1265.7	1305.4	1350.0	1396.3
17.5°	985.1	1006.3	1032.8	1060.0	1093.6	1133.0	1169.0	1213.2	1257.8	1309.7	1364.3
20°	938.9	960.6	991.8	1022.0	1052.7	1091.2	1133.9	1179.0	1226.5	1281.4	1342.1
22.5°	902.3	917.7	948.5	979.1	1015.1	1054.5	1096.4	1143.4	1195.2	1252.0	1315.6
25°	848.0	866.0	888.3	920.2	957.5	999.1	1041.2	1091.2	1147.7	1205.5	1273.5
27.5°	799.8	814.6	836.6	861.6	898.8	941.9	986.7	1038.8	1096.8	1155.7	1227.2
30°	765.5	781.8	802.9	829.4	858.8	905.8	951.5	1002.7	1061.7	1122.5	1195.9
32.5°	735.7	752.4	770.6	795.7	827.5	869.2	916.4	966.6	1026.5	1089.2	1160.7
35°	693.9	705.3	722.2	746.9	778.2	811.9	860.1	913.0	971.4	1036.4	1108.0
37.5°	646.0	660.8	677.5	699.0	726.5	762.9	807.7	861.2	915.4	977.7	1043.0
40°	618.1	632.0	650.6	666.3	695.2	728.3	769.2	825.1	879.3	937.7	997.3
42.5°	589.7	603.1	618.8	638.3	664.3	696.4	734.5	786.6	844.6	899.6	949.6
45°	545.3	559.1	574.2	592.2	616.3	647.6	685.5	733.1	783.6	834.2	872.1
47.5°	502.7	515.8	530.0	548.5	570.7	600.9	634.8	676.8	725.9	768.9	796.0
50°	472.4	484.5	500.2	518.2	539.8	568.1	600.7	642.2	683.1	722.2	746.9
52.5°	442.6	456.1	471.7	487.4	508.1	536.4	566.5	602.2	641.2	673.2	693.5
55°	397.8	410.5	424.9	441.1	461.6	485.7	517.6	545.9	576.6	603.7	615.7
57.5°	354.6	365.7	379.2	396.1	414.6	436.9	462.3	489.5	511.1	530.2	543.9
60°	326.2	335.8	348.5	362.9	382.8	403.2	426.1	451.4	468.2	484.5	497.1
62.5°	297.3	306.5	318.6	331.6	349.1	368.1	390.0	410.5	426.9	437.8	452.4
65°	254.0	263.0	273.2	287.0	301.0	316.6	336.4	351.5	362.9	375.0	384.0
67.5°	213.7	221.1	230.9	241.7	253.4	268.4	283.8	296.3	304.2	311.4	322.3
70°	187.2	193.2	201.0	209.5	222.1	237.1	249.1	258.8	264.2	271.4	284.6
72.5°	160.2	167.2	174.5	183.0	193.2	205.8	216.4	226.0	229.5	235.3	243.8
75°	126.4	130.0	136.0	142.0	149.3	160.1	170.3	172.7	175.8	180.6	186.5
77.5°	95.6	98.8	101.2	105.2	111.0	119.7	125.1	128.7	129.4	131.2	137.1
80°	75.8	77.7	80.1	83.0	85.4	92.6	95.7	99.3	100.5	102.3	105.3
82.5°	55.6	57.4	58.9	61.3	65.3	68.1	71.2	74.7	75.0	76.3	77.0
85°	32.5	33.1	31.9	33.1	33.7	34.9	37.9	40.9	40.3	39.7	41.6
87.5°	13.8	13.6	13.0	14.2	13.0	13.3	13.1	13.4	14.1	14.8	15.5
90°	11.3	10.6	9.5	8.6	7.5	6.4	5.4	4.2	3.0	1.9	0.6
92.5°	11.3	10.6	9.6	8.7	7.8	7.0	6.9	7.7	8.6	9.4	10.2
95°	11.3	10.6	16.1	21.8	27.3	32.9	35.9	36.4	36.7	37.2	37.6
97.5°	28.4	32.5	43.5	54.6	65.6	76.7	81.8	81.0	80.3	79.5	78.6
100°	93.1	114.9	114.4	113.8	113.2	112.6	112.1	111.6	111.2	110.8	110.3
102.5°	142.6	146.7	146.3	146.0	145.6	145.3	144.8	144.3	143.7	143.1	142.6
105°	196.9	196.9	196.9	196.9	196.9	196.9	196.6	196.0	195.5	194.8	194.2
107.5°	249.2	249.2	249.0	248.6	248.3	248.1	247.9	247.9	247.9	247.9	247.9
110°	283.7	284.1	283.8	283.6	283.2	282.9	282.8	282.8	282.8	282.8	282.8



TEST NUMBER: P333704-940

CATALOG NUMBER: S125RDIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	317.4	318.0	317.8	317.6	317.4	317.3	317.0	316.6	316.3	315.9	315.6
115°	368.1	368.7	368.5	368.4	368.3	368.1	367.7	366.9	366.2	365.4	364.7
117.5°	417.2	417.9	417.4	416.9	416.3	415.7	415.4	415.5	415.5	415.5	415.6
120°	448.4	448.6	448.2	447.7	447.3	446.8	446.7	446.8	447.0	447.2	447.3
122.5°	478.5	478.8	478.6	478.3	478.1	478.0	477.6	477.0	476.4	475.9	475.3
125°	522.7	523.3	523.3	523.3	523.3	523.3	522.8	521.7	520.8	519.7	518.7
127.5°	562.6	562.9	563.0	563.1	563.2	563.3	562.9	562.2	561.5	560.8	560.0
130°	588.9	589.3	589.2	589.1	588.9	588.8	588.4	587.6	586.8	586.1	585.4
132.5°	613.1	613.1	613.5	613.8	614.1	614.5	614.2	613.3	612.5	611.6	610.7
135°	649.2	649.5	649.8	650.1	650.4	650.7	650.4	649.5	648.6	647.7	646.8
137.5°	682.3	682.2	682.5	682.8	683.1	683.3	683.1	682.3	681.5	680.8	680.0
140°	702.7	702.3	702.5	702.7	702.8	702.9	702.8	702.6	702.3	702.0	701.7
142.5°	723.0	723.0	722.7	722.6	722.4	722.1	721.9	721.8	721.6	721.4	721.2
145°	751.4	751.3	751.3	751.3	751.3	751.3	751.1	750.8	750.6	750.2	749.9
147.5°	775.7	775.5	775.3	775.2	775.1	774.9	774.8	774.9	774.9	775.0	775.1
150°	791.2	790.9	790.6	790.3	790.0	789.7	789.7	790.0	790.3	790.6	790.9
152.5°	804.9	804.6	804.3	804.1	803.8	803.4	803.6	804.3	804.9	805.6	806.2
155°	823.7	823.2	823.0	822.7	822.4	822.1	822.4	823.2	824.1	825.0	825.9
157.5°	839.4	838.8	838.8	838.8	838.7	838.7	839.0	839.5	840.1	840.6	841.1
160°	849.0	848.4	848.2	848.1	847.9	847.7	848.2	849.0	849.9	850.8	851.7
162.5°	857.6	856.8	856.7	856.6	856.4	856.2	856.6	857.5	858.4	859.3	860.1
165°	869.1	868.2	868.1	867.9	867.7	867.6	868.0	868.9	869.8	870.6	871.5
167.5°	877.5	876.6	876.4	876.2	876.1	875.9	876.3	877.3	878.2	879.0	879.9
170°	881.9	880.7	880.6	880.5	880.3	880.1	880.6	881.6	882.6	883.7	884.8
172.5°	885.5	884.5	884.2	884.0	883.7	883.4	883.8	884.8	885.8	886.9	887.9
175°	889.2	888.1	887.9	887.7	887.6	887.4	887.8	888.7	889.6	890.5	891.4
177.5°	891.1	890.3	890.1	890.0	889.9	889.7	890.1	890.8	891.5	892.2	892.9
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4



TEST NUMBER: P333704-940

CATALOG NUMBER: S125RDIW-S1090D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1473.4	1477.7	1483.9	1491.1	1496.9	1503.2	1506.5	1506.5	1509.5	1515.7	1523.9
5°	1477.6	1493.2	1508.2	1527.5	1542.6	1560.0	1573.2	1585.9	1597.3	1611.8	1626.8
7.5°	1476.3	1502.4	1529.5	1559.8	1593.2	1619.8	1647.2	1668.6	1689.8	1717.4	1739.2
10°	1471.5	1505.2	1541.9	1580.5	1622.6	1659.3	1692.4	1722.5	1751.4	1781.5	1808.6
12.5°	1462.9	1505.7	1550.6	1596.9	1650.0	1692.0	1734.8	1766.8	1800.5	1833.4	1866.8
15°	1449.8	1500.4	1554.6	1619.0	1684.0	1730.9	1773.1	1814.6	1845.8	1883.2	1915.1
17.5°	1423.0	1488.2	1556.3	1626.7	1689.2	1743.7	1787.9	1827.4	1860.7	1901.8	1945.1
20°	1407.1	1477.6	1548.5	1623.8	1683.4	1739.4	1782.1	1823.0	1864.6	1918.1	1971.0
22.5°	1385.0	1460.2	1535.5	1607.0	1669.9	1723.9	1768.1	1818.2	1872.7	1933.5	1997.5
25°	1350.0	1427.6	1502.3	1570.2	1631.7	1687.0	1747.2	1814.6	1880.8	1960.9	2052.9
27.5°	1305.6	1380.4	1447.0	1518.9	1579.8	1650.3	1725.4	1798.5	1893.9	2004.0	2119.0
30°	1272.3	1343.4	1406.5	1474.5	1543.7	1621.4	1705.7	1791.7	1905.5	2034.9	2171.5
32.5°	1233.8	1298.1	1360.8	1426.4	1506.2	1591.5	1681.1	1786.5	1922.4	2069.6	2211.0
35°	1167.0	1224.8	1285.6	1358.3	1443.2	1536.0	1650.3	1778.5	1942.8	2101.0	2228.0
37.5°	1096.9	1142.5	1203.5	1280.4	1372.8	1480.1	1609.8	1765.6	1934.4	2076.3	2130.5
40°	1043.0	1085.7	1150.1	1230.8	1322.2	1439.7	1585.3	1745.3	1915.1	2013.8	2009.6
42.5°	989.5	1032.8	1094.8	1175.9	1271.2	1402.6	1552.6	1718.9	1862.2	1899.7	1821.3
45°	907.6	947.9	1008.7	1090.6	1192.8	1330.7	1488.4	1647.9	1739.4	1678.6	1523.3
47.5°	824.0	863.2	919.6	999.8	1111.5	1255.7	1404.8	1535.7	1548.5	1418.0	1231.7
50°	769.2	805.8	859.4	944.9	1053.2	1194.1	1337.9	1440.8	1408.9	1249.5	1057.5
52.5°	715.7	751.0	801.2	881.8	992.6	1130.5	1258.9	1339.7	1266.0	1096.4	923.6
55°	636.8	670.5	721.0	795.0	895.5	1022.0	1134.5	1164.0	1055.6	884.8	745.1
57.5°	561.8	586.5	636.4	701.9	798.8	910.3	990.9	985.6	866.0	712.1	612.0
60°	512.2	534.4	582.0	642.2	734.2	834.2	890.7	866.7	745.7	618.7	522.4
62.5°	465.9	486.8	526.6	582.0	661.1	748.0	789.2	755.9	641.7	530.1	453.5
65°	396.0	411.1	443.0	494.1	556.1	616.3	653.0	604.2	503.2	418.9	361.1
67.5°	330.6	343.7	372.0	408.8	451.5	493.0	508.0	462.3	383.6	326.8	286.1
70°	288.3	300.3	319.6	353.9	382.2	411.7	418.9	378.0	312.4	269.0	243.8
72.5°	247.8	259.0	275.8	300.0	319.6	336.5	339.9	301.9	251.7	221.9	202.3
75°	189.0	198.6	209.5	218.5	231.1	234.2	232.9	203.4	176.4	156.5	145.6
77.5°	138.9	142.9	149.5	153.1	153.7	153.5	147.3	128.7	114.7	106.6	102.1
80°	107.1	110.1	111.9	113.2	113.8	107.7	101.1	89.7	84.9	80.1	74.6
82.5°	77.8	79.8	81.6	81.9	78.6	73.6	67.4	61.7	58.4	56.0	53.9
85°	42.1	42.7	42.1	39.1	34.9	33.1	31.9	30.7	30.1	29.5	29.5
87.5°	15.3	14.1	11.9	12.7	12.8	12.6	12.8	12.5	12.2	12.4	12.5
90°	1.9	3.0	4.2	5.4	6.4	7.5	8.6	9.5	10.6	11.3	12.0
92.5°	9.4	8.6	7.7	6.9	7.0	7.8	8.7	9.6	10.6	11.3	12.0
95°	37.2	36.7	36.4	35.9	32.9	27.3	21.8	16.1	10.6	11.3	12.0
97.5°	79.5	80.3	81.0	81.8	76.7	65.6	54.6	43.5	32.5	28.4	24.3
100°	110.8	111.2	111.6	112.1	112.6	113.2	113.8	114.4	114.9	93.1	71.2
102.5°	143.1	143.7	144.3	144.8	145.3	145.6	146.0	146.3	146.7	142.6	138.4
105°	194.8	195.5	196.0	196.6	196.9	196.9	196.9	196.9	196.9	196.9	196.9
107.5°	247.9	247.9	247.9	247.9	248.1	248.3	248.6	249.0	249.2	249.2	249.3
110°	282.8	282.8	282.8	282.8	282.9	283.2	283.6	283.8	284.1	283.7	283.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	315.9	316.3	316.6	317.0	317.3	317.4	317.6	317.8	318.0	317.4	316.8
115°	365.4	366.2	366.9	367.7	368.1	368.3	368.4	368.5	368.7	368.1	367.5
117.5°	415.5	415.5	415.5	415.4	415.7	416.3	416.9	417.4	417.9	417.2	416.4
120°	447.2	447.0	446.8	446.7	446.8	447.3	447.7	448.2	448.6	448.4	448.1
122.5°	475.9	476.4	477.0	477.6	478.0	478.1	478.3	478.6	478.8	478.5	478.1
125°	519.7	520.8	521.7	522.8	523.3	523.3	523.3	523.3	523.3	522.7	522.1
127.5°	560.8	561.5	562.2	562.9	563.3	563.2	563.1	563.0	562.9	562.6	562.3
130°	586.1	586.8	587.6	588.4	588.8	588.9	589.1	589.2	589.3	588.9	588.5
132.5°	611.6	612.5	613.3	614.2	614.5	614.1	613.8	613.5	613.1	613.1	613.0
135°	647.7	648.6	649.5	650.4	650.7	650.4	650.1	649.8	649.5	649.2	648.9
137.5°	680.8	681.5	682.3	683.1	683.3	683.1	682.8	682.5	682.2	682.3	682.4
140°	702.0	702.3	702.6	702.8	702.9	702.8	702.7	702.5	702.3	702.7	702.9
142.5°	721.4	721.6	721.8	721.9	722.1	722.4	722.6	722.7	723.0	723.0	723.1
145°	750.2	750.6	750.8	751.1	751.3	751.3	751.3	751.3	751.3	751.4	751.5
147.5°	775.0	774.9	774.9	774.8	774.9	775.1	775.2	775.3	775.5	775.7	775.9
150°	790.6	790.3	790.0	789.7	789.7	790.0	790.3	790.6	790.9	791.2	791.5
152.5°	805.6	804.9	804.3	803.6	803.4	803.8	804.1	804.3	804.6	804.9	805.2
155°	825.0	824.1	823.2	822.4	822.1	822.4	822.7	823.0	823.2	823.7	824.1
157.5°	840.6	840.1	839.5	839.0	838.7	838.7	838.8	838.8	838.8	839.4	839.8
160°	850.8	849.9	849.0	848.2	847.7	847.9	848.1	848.2	848.4	849.0	849.5
162.5°	859.3	858.4	857.5	856.6	856.2	856.4	856.6	856.7	856.8	857.6	858.4
165°	870.6	869.8	868.9	868.0	867.6	867.7	867.9	868.1	868.2	869.1	870.0
167.5°	879.0	878.2	877.3	876.3	875.9	876.1	876.2	876.4	876.6	877.5	878.6
170°	883.7	882.6	881.6	880.6	880.1	880.3	880.5	880.6	880.7	881.9	883.1
172.5°	886.9	885.8	884.8	883.8	883.4	883.7	884.0	884.2	884.5	885.5	886.5
175°	890.5	889.6	888.7	887.8	887.4	887.6	887.7	887.9	888.1	889.2	890.4
177.5°	892.2	891.5	890.8	890.1	889.7	889.9	890.0	890.1	890.3	891.1	891.9
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1530.2	1530.2	1538.4	1537.8	1543.2	1541.2	1542.2
5°	1644.8	1655.1	1664.1	1670.2	1679.2	1681.6	1680.3
7.5°	1763.8	1786.5	1797.6	1812.8	1815.5	1823.5	1822.7
10°	1837.5	1859.8	1876.6	1889.8	1896.4	1904.9	1905.5
12.5°	1895.2	1914.1	1929.0	1941.3	1949.4	1952.0	1953.6
15°	1940.4	1961.4	1978.9	1996.4	2006.6	2014.4	2018.7
17.5°	1985.8	2018.4	2049.2	2072.9	2087.1	2099.2	2099.0
20°	2021.1	2058.3	2096.9	2124.0	2151.6	2163.6	2165.4
22.5°	2058.6	2115.7	2165.3	2207.3	2243.5	2256.1	2260.8
25°	2136.5	2211.2	2287.7	2346.6	2388.7	2413.4	2417.1
27.5°	2230.8	2331.8	2412.3	2466.7	2501.7	2520.0	2523.9
30°	2297.3	2390.6	2462.8	2503.7	2520.0	2522.4	2513.4
32.5°	2327.1	2396.8	2425.7	2423.3	2391.4	2370.3	2362.1
35°	2290.6	2276.2	2205.8	2121.6	2057.2	2016.2	2005.4
37.5°	2084.6	1960.0	1830.5	1703.2	1635.4	1600.9	1541.7
40°	1881.4	1703.9	1569.1	1461.9	1385.5	1324.1	1309.7
42.5°	1652.3	1468.9	1334.1	1242.3	1181.3	1139.2	1120.9
45°	1327.7	1170.0	1058.6	988.3	941.3	910.6	896.8
47.5°	1061.9	939.9	858.7	806.6	770.9	744.1	736.6
50°	916.1	818.5	749.9	706.0	678.9	658.4	650.0
52.5°	795.7	716.9	664.2	627.9	602.4	589.6	582.6
55°	656.7	588.6	550.7	521.8	507.4	497.1	492.3
57.5°	537.0	487.9	460.2	440.2	426.9	420.4	417.9
60°	470.0	431.5	406.3	390.6	381.6	373.2	370.8
62.5°	410.8	380.5	361.0	347.2	338.2	334.7	333.1
65°	331.0	311.1	296.7	288.3	281.1	279.8	279.3
67.5°	263.1	251.5	243.9	235.1	232.6	228.4	227.5
70°	225.1	217.3	208.2	205.3	202.2	198.0	198.6
72.5°	190.9	183.1	176.9	173.0	171.9	170.0	171.7
75°	139.6	137.2	134.8	131.8	130.6	130.6	130.0
77.5°	99.7	97.6	95.0	93.2	92.8	90.2	91.2
80°	72.2	69.2	68.0	68.6	66.8	66.2	66.2
82.5°	53.4	52.3	51.2	51.3	50.9	50.3	50.8
85°	29.5	28.9	28.9	28.3	28.3	27.6	27.6
87.5°	13.1	13.7	12.9	12.6	12.7	13.2	13.7
90°	12.8	13.5	14.1	14.5	15.0	15.4	15.9
92.5°	12.8	13.5	14.0	14.2	14.4	14.6	14.8
95°	12.8	13.5	13.9	13.9	13.9	13.9	13.9
97.5°	20.1	16.0	13.9	13.9	13.9	13.9	13.9
100°	49.3	27.5	16.2	15.6	15.1	14.4	13.9
102.5°	134.3	130.1	123.1	113.1	103.1	93.1	83.1
105°	196.9	196.9	196.8	196.7	196.5	196.4	196.3
107.5°	249.3	249.3	249.1	248.7	248.3	247.8	247.4
110°	282.8	282.3	282.2	282.3	282.5	282.7	282.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	316.3	315.7	315.3	315.1	315.0	314.7	314.5
115°	366.9	366.3	365.6	364.7	363.8	362.9	362.0
117.5°	415.7	414.9	414.4	413.9	413.6	413.2	412.9
120°	447.7	447.5	446.9	446.2	445.5	444.8	444.0
122.5°	477.9	477.6	477.0	476.2	475.3	474.5	473.6
125°	521.6	520.9	520.4	520.0	519.5	519.2	518.7
127.5°	562.0	561.7	561.0	559.8	558.7	557.7	556.6
130°	588.1	587.6	587.0	586.3	585.6	584.8	584.1
132.5°	612.9	612.8	612.4	611.6	610.9	610.2	609.5
135°	648.6	648.4	647.7	646.8	646.0	645.1	644.2
137.5°	682.4	682.5	682.2	681.4	680.6	679.8	679.1
140°	703.2	703.6	703.2	702.3	701.5	700.6	699.7
142.5°	723.2	723.2	722.8	721.9	721.0	720.1	719.3
145°	751.7	751.8	751.4	750.6	749.7	748.9	748.0
147.5°	776.1	776.2	775.8	774.8	773.7	772.7	771.6
150°	791.8	792.1	791.7	790.4	789.3	788.1	786.9
152.5°	805.5	805.8	805.4	804.3	803.3	802.3	801.2
155°	824.6	825.0	824.7	823.5	822.3	821.2	819.9
157.5°	840.3	840.7	840.3	839.2	838.0	836.9	835.7
160°	850.2	850.7	850.4	849.3	848.1	846.9	845.7
162.5°	859.3	860.1	859.9	858.6	857.3	856.0	854.7
165°	870.8	871.7	871.6	870.4	869.2	868.1	866.8
167.5°	879.7	880.7	880.7	879.3	878.0	876.6	875.3
170°	884.3	885.5	885.4	884.0	882.7	881.4	880.1
172.5°	887.6	888.7	888.5	887.3	885.9	884.6	883.2
175°	891.5	892.7	892.6	891.4	890.0	888.7	887.3
177.5°	892.7	893.6	893.5	892.5	891.6	890.6	889.7
180°	891.4	891.4	891.4	891.4	891.4	891.4	891.4

(END OF REPORT)