

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: P333564-840

Luminaire Tested: **S125RDIP-S850D810U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333564-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S850D810U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6248.7 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

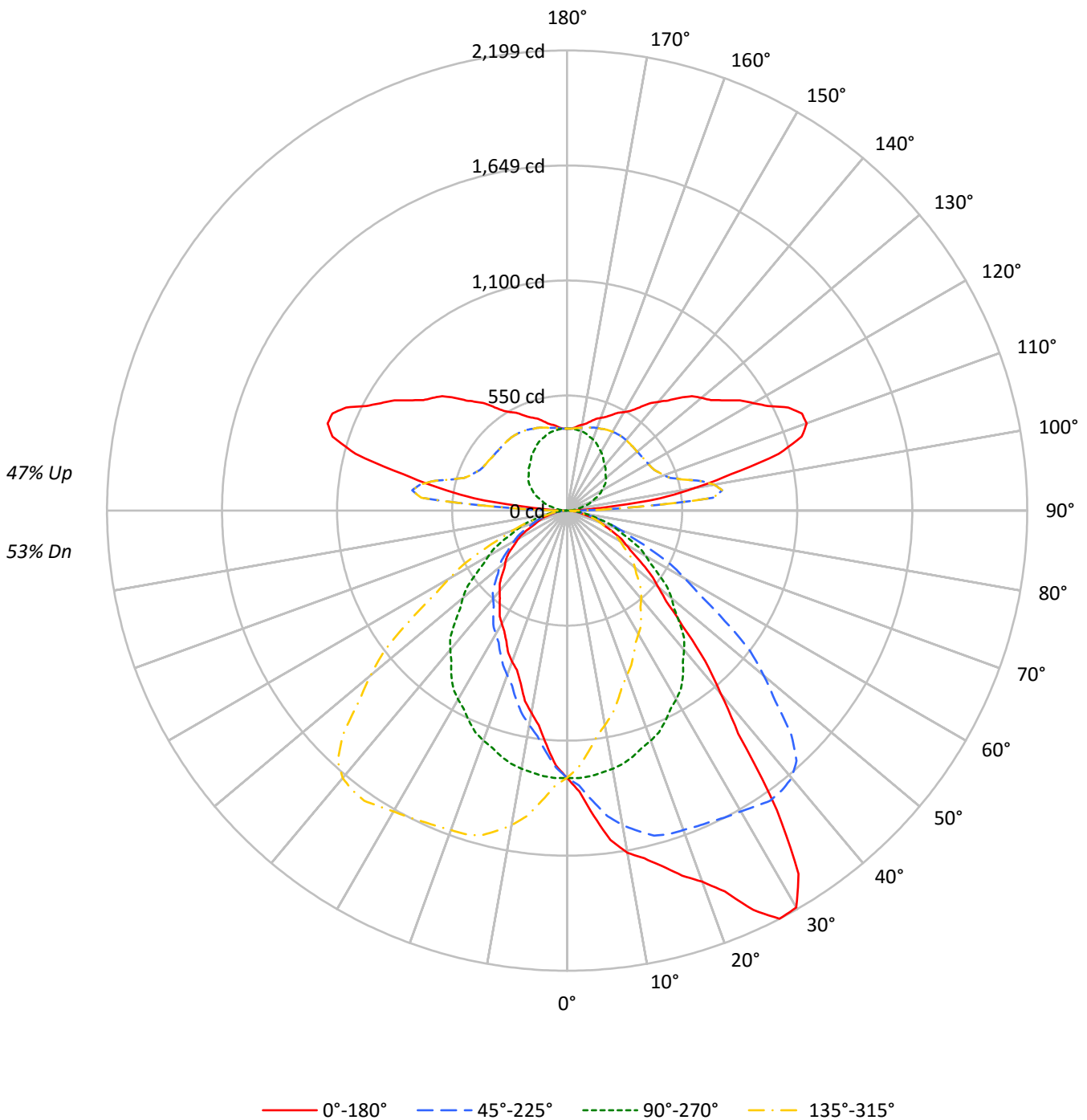
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	99	95	91	88	92	88	85	82	75	73	71	64	62	60	53	52	51	46
2	90	83	77	72	84	77	72	68	66	63	59	56	54	51	47	45	43	39
3	83	73	66	61	76	68	62	57	59	54	50	50	47	44	42	39	37	33
4	76	65	58	52	70	61	54	49	53	47	43	45	41	38	38	35	32	29
5	70	58	50	44	64	54	47	42	47	42	37	40	36	33	34	31	28	25
6	64	52	44	39	59	49	42	37	43	37	33	37	32	29	31	28	25	22
7	60	47	40	34	55	44	37	32	39	33	29	33	29	26	28	25	22	20
8	55	43	35	30	51	40	33	29	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	26	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	22	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8250	8250	8250	8250
5°	9491	8261	7295	8261
10°	10887	8218	6437	8218
15°	11760	8134	5722	8134
20°	12967	8036	5283	8036
25°	15007	7906	4903	7906
30°	16330	7770	4653	7770
35°	13775	7611	4424	7611
40°	9620	7325	4226	7325
45°	7136	6940	4032	6940
50°	5690	6539	3867	6539
55°	4829	6040	3719	6040
60°	4173	5594	3481	5594
65°	3718	5113	2997	5113
70°	3269	4683	2732	4683
75°	2827	4057	2565	4057
80°	2146	3414	2146	3414
85°	1786	2682	2023	2682



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	2.0
10°-20°	359.0	5.7
20°-30°	569.2	9.1
30°-40°	686.4	11.0
40°-50°	613.0	9.8
50°-60°	470.0	7.5
60°-70°	305.5	4.9
70°-80°	148.5	2.4
80°-90°	37.6	0.6
90°-100°	283.9	4.5
100°-110°	610.3	9.8
110°-120°	572.7	9.2
120°-130°	464.2	7.4
130°-140°	372.5	6.0
140°-150°	281.1	4.5
150°-160°	197.9	3.2
160°-170°	116.6	1.9
170°-180°	37.9	0.6
0°-30°	1050.6	16.8
0°-40°	1737.0	27.8
0°-60°	2820.0	45.1
0°-90°	3311.6	53.0
90°-120°	1466.9	23.5
90°-150°	2584.6	41.4
90°-180°	2937.0	47.0
0°-180°	6248.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1277	1277	1277	1277	1277	
5°	1464	1274	1125	1274	1464	146
15°	1759	1217	856	1217	1759	504
25°	2106	1110	688	1110	2106	967
35°	1747	965	561	965	1747	1055
45°	781	760	442	760	781	623
55°	429	536	330	536	429	389
65°	243	335	196	335	243	242
75°	113	163	103	163	113	121
85°	24	36	27	36	24	28
90°	18	1	18	1	18	14
95°	186	26	186	26	186	263
105°	1046	89	1046	89	1046	1040
115°	1166	160	1166	160	1166	1139
125°	918	221	918	221	918	831
135°	763	259	763	259	763	591
145°	602	302	602	302	602	382
155°	504	344	504	344	504	235
165°	442	376	442	376	442	126
175°	397	391	397	391	397	39
180°	392	392	392	392	392	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1343.6	1342.8	1344.5	1339.9	1340.3	1333.1	1333.1	1327.7	1320.6	1315.1	1312.6
5°	1464.0	1465.1	1463.0	1455.1	1449.9	1442.0	1433.1	1417.3	1404.2	1391.7	1381.7
7.5°	1588.0	1588.7	1581.9	1579.4	1566.2	1556.5	1536.7	1515.3	1496.3	1472.2	1453.8
10°	1660.1	1659.6	1652.3	1646.5	1635.0	1620.3	1600.9	1575.7	1552.2	1525.9	1500.8
12.5°	1702.1	1700.7	1698.4	1691.4	1680.7	1667.7	1651.2	1626.5	1597.4	1568.7	1539.3
15°	1758.8	1755.0	1748.3	1739.3	1724.1	1708.9	1690.6	1668.6	1640.7	1608.2	1580.9
17.5°	1828.8	1828.9	1818.5	1806.0	1785.3	1758.6	1730.2	1694.7	1656.9	1621.1	1592.1
20°	1886.7	1885.1	1874.6	1850.5	1826.9	1793.3	1760.8	1717.3	1671.1	1624.5	1588.3
22.5°	1969.7	1965.7	1954.8	1923.1	1886.5	1843.3	1793.5	1740.4	1684.6	1631.6	1584.2
25°	2105.9	2102.7	2081.2	2044.6	1993.2	1926.5	1861.5	1788.7	1708.4	1638.7	1580.9
27.5°	2199.0	2195.5	2179.6	2149.1	2101.7	2031.6	1943.6	1846.2	1746.1	1650.1	1566.9
30°	2189.8	2197.7	2195.5	2181.4	2145.8	2082.8	2001.6	1892.0	1772.9	1660.1	1561.0
32.5°	2058.0	2065.1	2083.6	2111.3	2113.4	2088.3	2027.5	1926.3	1803.1	1674.9	1556.4
35°	1747.2	1756.7	1792.3	1848.5	1921.8	1983.2	1995.8	1941.3	1830.6	1692.6	1549.5
37.5°	1343.2	1394.8	1424.8	1483.9	1594.8	1707.7	1816.2	1856.1	1809.1	1685.4	1538.3
40°	1141.0	1153.6	1207.1	1273.7	1367.1	1484.5	1639.2	1750.9	1754.5	1668.6	1520.7
42.5°	976.5	992.5	1029.3	1082.4	1162.4	1279.8	1439.5	1586.9	1655.2	1622.4	1497.6
45°	781.3	793.3	820.1	861.0	922.4	1019.4	1156.8	1327.2	1462.5	1515.4	1435.7
47.5°	641.9	648.3	671.7	702.8	748.2	818.9	925.2	1073.2	1235.5	1349.2	1338.0
50°	566.3	573.7	591.5	615.1	653.4	713.2	798.1	921.3	1088.6	1227.6	1255.4
52.5°	507.6	513.7	524.8	547.1	578.7	624.6	693.2	804.7	955.2	1103.0	1167.2
55°	428.9	433.1	442.0	454.6	479.8	512.8	572.1	649.1	770.8	919.8	1014.1
57.5°	364.2	366.2	371.9	383.5	400.9	425.1	467.9	533.2	620.5	754.6	858.7
60°	323.1	325.1	332.4	340.3	354.0	376.0	409.5	455.1	539.1	649.6	755.1
62.5°	290.3	291.5	294.7	302.6	314.5	331.5	357.9	395.2	461.9	559.1	658.6
65°	243.3	243.9	244.9	251.2	258.5	271.1	288.4	314.6	365.0	438.4	526.4
67.5°	198.2	198.9	202.6	204.8	212.5	219.0	229.2	249.3	284.8	334.3	402.7
70°	173.1	172.5	176.2	178.8	181.5	189.2	196.1	212.4	234.4	272.2	329.3
72.5°	149.6	148.1	149.8	150.7	154.2	159.6	166.3	176.3	193.3	219.2	263.1
75°	113.3	113.8	113.8	114.8	117.4	119.6	121.7	126.9	136.3	153.6	177.2
77.5°	79.5	78.7	80.9	81.2	82.7	85.0	86.8	89.0	92.8	100.0	112.1
80°	57.7	57.7	58.2	59.8	59.3	60.3	62.9	65.0	69.8	73.9	78.2
82.5°	44.2	43.8	44.3	44.6	44.5	45.6	46.6	47.0	48.8	50.9	53.8
85°	24.1	24.1	24.6	24.6	25.1	25.1	25.7	25.7	25.7	26.3	26.8
87.5°	12.8	12.4	11.8	11.8	12.3	12.8	12.2	11.6	11.5	11.3	11.4
90°	18.2	18.2	17.4	17.4	17.4	15.8	15.0	14.2	13.4	12.6	11.0
92.5°	50.4	51.6	52.7	54.6	64.7	76.4	101.6	140.0	206.1	254.6	258.6
95°	185.5	198.2	204.5	228.2	284.3	350.6	447.7	567.7	684.6	699.6	570.9
97.5°	448.5	458.6	481.5	525.7	574.5	666.7	761.3	845.6	866.2	747.1	509.8
100°	615.9	628.5	657.7	714.6	769.1	851.2	932.5	971.2	910.4	713.1	454.8
102.5°	802.8	812.3	844.0	884.5	942.8	998.4	1037.4	1013.5	883.9	653.0	413.1
105°	1046.2	1055.7	1071.5	1097.5	1122.9	1131.6	1096.8	988.6	799.1	572.5	372.7
107.5°	1175.4	1181.7	1186.9	1187.1	1174.3	1133.1	1043.9	899.5	712.6	517.1	355.7
110°	1218.4	1218.4	1212.8	1197.8	1162.3	1095.2	983.8	833.8	663.3	491.1	350.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1213.4	1207.6	1193.9	1168.1	1116.2	1037.0	924.4	782.0	626.6	475.9	350.6
115°	1165.5	1155.2	1133.1	1095.2	1033.6	947.6	839.4	717.0	586.6	459.6	352.9
117.5°	1081.6	1075.3	1053.3	1014.2	952.6	873.6	780.4	675.0	562.8	451.5	358.2
120°	1027.2	1021.0	999.7	961.7	903.3	833.8	747.0	652.2	549.6	447.7	363.2
122.5°	979.3	973.6	952.3	917.6	865.5	800.3	723.0	635.2	538.2	444.5	367.6
125°	918.3	910.4	893.0	860.7	816.5	759.6	690.9	610.4	522.7	440.6	375.1
127.5°	866.2	862.7	846.3	817.7	777.6	724.4	660.2	585.1	508.5	438.7	383.4
130°	837.8	833.0	817.3	791.2	751.7	700.3	638.8	569.3	499.1	437.5	388.5
132.5°	809.3	804.0	789.4	763.4	723.9	674.5	618.5	553.5	491.5	437.5	394.2
135°	762.8	758.0	743.8	717.7	683.0	638.0	587.4	533.0	482.4	437.5	401.9
137.5°	713.1	707.8	694.7	671.1	639.9	601.7	559.7	515.6	474.4	438.4	409.0
140°	678.2	674.3	662.5	642.0	612.7	579.6	543.2	506.1	470.6	439.0	412.1
142.5°	646.0	642.8	631.6	614.2	589.4	560.6	529.4	498.0	467.5	439.7	414.0
145°	601.7	598.5	589.9	576.4	557.4	536.1	511.7	487.2	462.7	439.0	416.2
147.5°	564.1	562.7	557.6	546.8	531.9	515.7	497.0	477.1	457.8	437.0	416.9
150°	543.2	542.5	539.3	529.9	518.0	503.7	488.8	471.4	454.0	435.0	416.9
152.5°	526.8	526.0	522.9	515.3	505.3	494.3	480.6	465.0	449.6	432.5	416.3
155°	504.5	503.7	501.4	495.8	488.0	479.3	468.3	455.7	442.2	428.0	414.5
157.5°	484.6	484.8	482.6	478.1	471.9	465.0	456.6	446.2	435.3	423.2	412.5
160°	471.4	472.2	470.6	466.7	461.1	455.7	447.7	439.8	429.6	420.1	410.6
162.5°	459.4	459.6	459.2	456.0	451.6	446.8	440.1	432.8	424.4	416.3	408.7
165°	442.2	442.2	442.2	440.6	437.5	433.5	428.8	423.2	416.9	410.6	405.9
167.5°	426.4	426.6	427.2	425.8	424.1	421.3	417.7	414.0	409.5	405.1	401.4
170°	416.9	417.7	417.7	416.9	415.4	413.7	411.4	409.0	405.1	401.9	399.5
172.5°	408.1	408.9	410.1	408.7	408.4	407.5	405.7	403.3	400.6	398.1	397.0
175°	397.2	398.0	399.5	398.8	398.8	398.8	397.2	397.2	394.8	394.0	394.0
177.5°	391.6	391.6	393.5	392.9	393.5	393.5	393.5	392.9	392.2	391.6	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1312.6	1309.7	1304.2	1299.2	1292.9	1287.5	1283.6	1279.1	1273.1	1266.1	1260.2
5°	1370.7	1359.2	1343.9	1330.9	1314.0	1301.0	1287.4	1274.2	1261.1	1244.4	1229.6
7.5°	1435.1	1411.3	1388.2	1359.0	1332.5	1308.9	1286.3	1263.3	1240.9	1217.1	1194.1
10°	1474.5	1445.7	1413.7	1377.0	1343.4	1311.4	1282.1	1253.2	1222.8	1196.1	1167.2
12.5°	1511.5	1474.2	1437.6	1391.3	1351.0	1311.9	1274.6	1238.6	1206.1	1171.3	1140.4
15°	1544.8	1508.1	1467.2	1410.6	1354.4	1307.3	1263.2	1216.6	1176.2	1137.4	1102.8
17.5°	1557.7	1519.2	1471.7	1417.2	1355.9	1296.6	1239.8	1188.6	1141.1	1095.9	1057.0
20°	1552.7	1515.4	1466.6	1414.7	1349.2	1287.4	1226.0	1169.3	1116.4	1068.6	1027.2
22.5°	1540.4	1502.0	1454.9	1400.1	1337.9	1272.2	1206.7	1146.3	1090.8	1041.4	996.2
25°	1522.3	1469.9	1421.6	1368.1	1308.8	1243.9	1176.2	1109.5	1050.4	1000.0	950.7
27.5°	1503.3	1437.8	1376.4	1323.3	1260.7	1202.6	1137.5	1069.1	1006.9	955.6	905.0
30°	1486.1	1412.7	1345.0	1284.8	1225.5	1170.4	1108.5	1041.9	978.0	925.0	873.6
32.5°	1464.7	1386.6	1312.3	1242.7	1185.6	1130.9	1075.0	1011.3	949.0	894.3	842.1
35°	1437.8	1338.2	1257.5	1183.5	1120.0	1067.1	1016.7	965.3	902.9	846.4	795.5
37.5°	1402.6	1289.5	1196.1	1115.6	1048.6	995.4	955.7	908.8	851.8	797.6	750.3
40°	1381.2	1254.3	1152.1	1072.4	1002.1	945.9	908.8	868.9	817.0	766.1	718.9
42.5°	1352.7	1222.0	1107.6	1024.5	953.8	899.8	862.1	827.4	783.9	735.9	685.4
45°	1296.8	1159.4	1039.4	950.2	878.9	825.9	790.7	759.8	726.8	682.8	638.6
47.5°	1224.0	1094.1	968.4	871.1	801.2	752.0	718.0	693.6	669.9	632.5	589.7
50°	1165.7	1040.4	917.7	823.2	748.8	702.2	670.1	650.8	629.2	595.1	559.5
52.5°	1096.9	985.0	864.7	768.3	698.0	654.3	623.6	604.2	586.4	558.7	524.7
55°	988.5	890.4	780.2	692.7	628.2	584.1	554.8	536.4	525.9	502.3	475.6
57.5°	863.3	793.0	695.9	611.5	554.5	511.0	489.5	473.8	462.0	445.2	426.5
60°	776.1	726.8	639.7	559.5	507.1	465.6	446.3	433.1	422.1	408.0	393.2
62.5°	687.5	651.7	575.9	507.1	458.8	424.1	406.0	394.2	381.4	371.9	357.6
65°	569.0	536.9	484.5	430.5	386.0	358.1	345.1	334.6	326.7	316.2	306.2
67.5°	442.5	429.6	393.3	356.2	324.2	299.4	288.1	280.7	271.4	265.0	258.2
70°	365.0	358.7	333.0	308.3	278.4	261.7	251.2	248.0	236.5	230.2	225.5
72.5°	296.2	293.3	278.4	261.4	240.2	225.6	215.9	212.4	205.0	200.0	196.9
75°	202.9	204.0	201.4	190.4	182.5	173.1	164.6	162.6	157.3	153.1	150.5
77.5°	128.4	133.7	133.9	133.4	130.3	124.5	121.0	119.5	114.3	112.7	112.1
80°	88.1	93.8	99.1	98.6	97.6	95.9	93.3	91.8	89.2	87.6	86.5
82.5°	58.8	64.1	68.5	71.3	71.1	69.6	67.8	67.1	66.4	65.3	65.1
85°	27.8	28.9	30.4	34.1	36.7	37.3	36.7	36.2	34.6	35.1	35.6
87.5°	11.7	11.4	11.6	11.3	10.6	12.4	13.3	13.5	12.9	12.4	11.8
90°	10.3	8.7	7.9	6.4	4.7	3.1	1.6	0.8	1.6	3.1	4.7
92.5°	180.2	107.9	64.7	41.7	28.1	18.3	11.7	9.6	11.7	18.3	28.1
95°	352.9	179.3	94.7	59.2	41.8	33.1	26.9	26.1	26.9	33.1	41.8
97.5°	281.8	154.4	98.6	72.9	57.4	48.7	44.2	43.2	44.2	48.7	57.4
100°	255.8	153.2	107.3	83.7	68.7	60.0	56.9	55.2	56.9	60.0	68.7
102.5°	245.1	158.9	118.2	95.0	81.3	72.0	69.5	68.6	69.5	72.0	81.3
105°	240.9	170.6	135.8	113.7	101.1	93.2	89.3	89.3	89.3	93.2	101.1
107.5°	248.1	187.9	154.3	134.4	121.3	114.8	111.0	109.5	111.0	114.8	121.3
110°	255.1	200.6	168.1	147.6	135.8	128.7	125.5	124.0	125.5	128.7	135.8



TEST NUMBER: P333564-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	263.9	212.6	181.5	161.6	149.7	142.6	140.1	138.5	140.1	142.6	149.7
115°	277.1	231.4	202.2	182.4	170.6	163.5	161.1	159.5	161.1	163.5	170.6
117.5°	292.4	250.6	223.0	203.9	190.5	183.4	180.9	178.4	180.9	183.4	190.5
120°	302.5	264.5	236.9	217.1	203.7	196.6	193.5	191.1	193.5	196.6	203.7
122.5°	313.8	277.8	250.1	230.5	215.7	208.6	206.1	204.4	206.1	208.6	215.7
125°	329.2	295.3	269.2	248.7	233.7	226.6	222.7	221.1	222.7	226.6	233.7
127.5°	343.5	312.3	287.1	266.6	250.6	241.7	236.6	234.2	236.6	241.7	250.6
130°	352.9	323.0	298.5	277.9	261.4	251.1	244.8	242.4	244.8	251.1	261.4
132.5°	361.1	333.1	308.6	288.0	270.8	259.3	251.8	248.7	251.8	259.3	270.8
135°	372.7	346.7	322.1	300.8	284.3	271.7	262.2	259.0	262.2	271.7	284.3
137.5°	381.2	356.3	334.0	312.0	295.8	283.2	274.3	272.0	274.3	283.2	295.8
140°	386.9	363.2	340.3	319.0	304.0	291.3	281.9	279.5	281.9	291.3	304.0
142.5°	390.1	367.6	346.0	326.0	311.5	298.9	290.1	288.3	290.1	298.9	311.5
145°	394.8	375.1	354.6	336.4	322.1	311.1	303.2	301.6	303.2	311.1	322.1
147.5°	397.7	379.8	361.8	345.9	333.6	323.3	316.5	315.5	316.5	323.3	333.6
150°	399.5	382.9	365.6	352.1	341.1	330.8	325.3	323.8	325.3	330.8	341.1
152.5°	400.8	386.1	370.0	357.9	347.4	338.4	333.6	332.5	333.6	338.4	347.4
155°	401.9	389.3	375.9	364.8	356.9	349.0	344.3	344.3	344.3	349.0	356.9
157.5°	402.7	391.9	380.4	372.0	365.1	358.3	354.6	354.7	354.6	358.3	365.1
160°	402.7	393.2	382.9	375.9	369.5	364.1	360.8	361.6	360.8	364.1	369.5
162.5°	402.0	394.5	385.5	379.6	374.6	369.7	366.6	367.3	366.6	369.7	374.6
165°	401.1	394.8	388.5	383.7	380.6	376.7	374.3	375.9	374.3	376.7	380.6
167.5°	399.2	394.8	389.6	386.6	384.4	382.1	380.7	381.5	380.7	382.1	384.4
170°	398.0	394.8	390.8	388.5	386.9	385.4	384.6	385.4	384.6	385.4	386.9
172.5°	396.7	394.2	390.8	389.7	388.8	387.2	386.5	387.9	386.5	387.2	388.8
175°	394.8	393.2	390.8	390.8	390.8	390.1	389.3	390.8	389.3	390.1	390.8
177.5°	392.9	392.2	391.0	391.0	391.6	391.0	391.0	392.2	391.0	391.0	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333564-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1256.0	1250.1	1245.9	1237.5	1231.6	1229.1	1224.6	1223.2	1227.9	1224.6	1224.1
5°	1218.6	1203.5	1191.3	1179.3	1166.2	1157.8	1145.2	1143.2	1139.9	1135.3	1134.2
7.5°	1173.9	1154.1	1138.5	1118.6	1101.3	1087.3	1071.6	1064.2	1060.1	1054.0	1045.8
10°	1143.7	1120.0	1099.0	1079.1	1057.6	1040.4	1024.6	1012.6	1004.7	997.3	994.2
12.5°	1113.9	1089.8	1063.0	1038.8	1014.9	995.4	978.1	970.2	961.5	952.9	945.5
15°	1067.6	1035.6	1006.2	978.5	958.1	937.1	920.3	908.8	895.6	891.9	877.8
17.5°	1018.5	987.1	952.8	923.5	899.8	876.8	858.3	845.2	835.4	821.8	815.3
20°	988.0	950.7	917.2	890.4	864.1	836.9	818.0	807.0	797.6	786.6	781.3
22.5°	955.2	918.8	884.4	853.0	826.4	799.6	786.2	774.7	764.0	753.9	746.9
25°	907.2	870.5	834.2	801.7	774.0	754.6	738.8	725.7	719.9	710.0	702.7
27.5°	859.7	820.6	783.0	750.7	728.9	709.7	696.8	686.4	676.0	667.3	661.0
30°	829.0	789.2	748.3	722.6	699.5	681.2	667.0	657.0	649.1	641.3	636.6
32.5°	798.4	757.3	721.0	693.2	671.4	655.6	641.0	631.5	623.2	614.5	608.9
35°	749.3	707.4	678.0	650.8	629.2	614.6	604.6	591.0	584.1	577.8	572.1
37.5°	703.7	664.7	632.9	609.0	590.4	575.7	562.9	555.5	547.1	541.5	536.6
40°	670.1	634.5	605.6	580.5	566.8	550.6	538.6	529.1	522.8	515.4	510.2
42.5°	640.0	606.8	578.8	556.1	539.2	525.4	513.8	504.3	496.3	491.1	486.8
45°	597.2	564.2	536.9	515.9	500.3	487.2	475.0	470.4	459.9	453.6	451.5
47.5°	553.1	523.5	497.3	477.9	461.8	449.4	438.1	428.4	422.6	416.5	413.1
50°	523.3	495.0	470.4	451.5	435.8	422.1	411.6	405.4	397.5	391.7	387.5
52.5°	493.5	467.4	442.7	424.6	411.0	397.4	385.7	379.3	371.9	368.2	365.3
55°	451.0	423.1	402.2	384.4	370.2	357.6	346.6	340.3	335.6	331.9	330.8
57.5°	402.7	380.7	361.2	345.2	330.4	318.6	308.9	303.0	298.8	298.2	295.1
60°	371.2	351.3	333.5	316.2	303.6	292.6	284.2	277.4	273.2	272.7	271.7
62.5°	339.8	320.7	304.2	288.9	277.6	267.0	259.0	251.4	248.8	246.2	244.0
65°	293.2	275.8	262.2	250.1	238.0	229.1	221.3	216.5	210.8	207.6	201.9
67.5°	247.3	233.9	220.8	210.6	201.2	192.7	186.1	179.2	175.2	172.7	168.5
70°	217.1	206.6	193.5	182.5	175.1	168.3	163.1	155.2	152.6	150.5	148.3
72.5°	188.5	179.4	168.3	159.5	152.1	145.6	139.6	135.9	133.3	131.2	130.0
75°	148.3	139.5	130.1	123.7	118.6	113.3	110.1	107.4	106.4	105.9	103.8
77.5°	109.0	104.2	96.6	91.7	88.2	86.1	83.3	81.9	81.8	79.5	78.8
80°	83.4	80.8	74.4	72.4	69.8	67.7	66.0	63.4	60.8	59.8	58.2
82.5°	62.0	59.4	56.9	53.5	51.3	50.0	48.5	47.5	47.9	46.4	45.6
85°	33.0	30.4	29.4	28.9	27.8	28.9	28.3	27.8	27.3	26.8	27.3
87.5°	11.7	12.0	11.8	12.9	11.8	12.6	12.7	12.5	12.6	12.8	12.7
90°	6.4	7.9	8.7	10.3	11.0	12.6	13.4	14.2	15.0	15.8	17.4
92.5°	41.7	64.7	107.9	180.2	258.6	254.6	206.1	140.0	101.6	76.4	64.7
95°	59.2	94.7	179.3	352.9	570.9	699.6	684.6	567.7	447.7	350.6	284.3
97.5°	72.9	98.6	154.4	281.8	509.8	747.1	866.2	845.6	761.3	666.7	574.5
100°	83.7	107.3	153.2	255.8	454.8	713.1	910.4	971.2	932.5	851.2	769.1
102.5°	95.0	118.2	158.9	245.1	413.1	653.0	883.9	1013.5	1037.4	998.4	942.8
105°	113.7	135.8	170.6	240.9	372.7	572.5	799.1	988.6	1096.8	1131.6	1122.9
107.5°	134.4	154.3	187.9	248.1	355.7	517.1	712.6	899.5	1043.9	1133.1	1174.3
110°	147.6	168.1	200.6	255.1	350.6	491.1	663.3	833.8	983.8	1095.2	1162.3



TEST NUMBER: P333564-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	161.6	181.5	212.6	263.9	350.6	475.9	626.6	782.0	924.4	1037.0	1116.2
115°	182.4	202.2	231.4	277.1	352.9	459.6	586.6	717.0	839.4	947.6	1033.6
117.5°	203.9	223.0	250.6	292.4	358.2	451.5	562.8	675.0	780.4	873.6	952.6
120°	217.1	236.9	264.5	302.5	363.2	447.7	549.6	652.2	747.0	833.8	903.3
122.5°	230.5	250.1	277.8	313.8	367.6	444.5	538.2	635.2	723.0	800.3	865.5
125°	248.7	269.2	295.3	329.2	375.1	440.6	522.7	610.4	690.9	759.6	816.5
127.5°	266.6	287.1	312.3	343.5	383.4	438.7	508.5	585.1	660.2	724.4	777.6
130°	277.9	298.5	323.0	352.9	388.5	437.5	499.1	569.3	638.8	700.3	751.7
132.5°	288.0	308.6	333.1	361.1	394.2	437.5	491.5	553.5	618.5	674.5	723.9
135°	300.8	322.1	346.7	372.7	401.9	437.5	482.4	533.0	587.4	638.0	683.0
137.5°	312.0	334.0	356.3	381.2	409.0	438.4	474.4	515.6	559.7	601.7	639.9
140°	319.0	340.3	363.2	386.9	412.1	439.0	470.6	506.1	543.2	579.6	612.7
142.5°	326.0	346.0	367.6	390.1	414.0	439.7	467.5	498.0	529.4	560.6	589.4
145°	336.4	354.6	375.1	394.8	416.2	439.0	462.7	487.2	511.7	536.1	557.4
147.5°	345.9	361.8	379.8	397.7	416.9	437.0	457.8	477.1	497.0	515.7	531.9
150°	352.1	365.6	382.9	399.5	416.9	435.0	454.0	471.4	488.8	503.7	518.0
152.5°	357.9	370.0	386.1	400.8	416.3	432.5	449.6	465.0	480.6	494.3	505.3
155°	364.8	375.9	389.3	401.9	414.5	428.0	442.2	455.7	468.3	479.3	488.0
157.5°	372.0	380.4	391.9	402.7	412.5	423.2	435.3	446.2	456.6	465.0	471.9
160°	375.9	382.9	393.2	402.7	410.6	420.1	429.6	439.8	447.7	455.7	461.1
162.5°	379.6	385.5	394.5	402.0	408.7	416.3	424.4	432.8	440.1	446.8	451.6
165°	383.7	388.5	394.8	401.1	405.9	410.6	416.9	423.2	428.8	433.5	437.5
167.5°	386.6	389.6	394.8	399.2	401.4	405.1	409.5	414.0	417.7	421.3	424.1
170°	388.5	390.8	394.8	398.0	399.5	401.9	405.1	409.0	411.4	413.7	415.4
172.5°	389.7	390.8	394.2	396.7	397.0	398.1	400.6	403.3	405.7	407.5	408.4
175°	390.8	390.8	393.2	394.8	394.0	394.0	394.8	397.2	397.2	398.8	398.8
177.5°	391.0	391.0	392.2	392.9	391.6	391.6	392.2	392.9	393.5	393.5	393.5
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333564-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1223.7	1219.1	1217.8	1219.5	1217.8	1219.1	1223.7	1224.1	1224.6	1227.9	1223.2
5°	1128.9	1123.8	1126.3	1125.3	1126.3	1123.8	1128.9	1134.2	1135.3	1139.9	1143.2
7.5°	1045.7	1039.2	1032.3	1034.5	1032.3	1039.2	1045.7	1045.8	1054.0	1060.1	1064.2
10°	987.3	982.2	979.0	981.6	979.0	982.2	987.3	994.2	997.3	1004.7	1012.6
12.5°	938.3	935.1	932.4	931.3	932.4	935.1	938.3	945.5	952.9	961.5	970.2
15°	871.5	865.3	862.6	855.8	862.6	865.3	871.5	877.8	891.9	895.6	908.8
17.5°	809.9	807.9	801.0	798.1	801.0	807.9	809.9	815.3	821.8	835.4	845.2
20°	773.5	771.3	764.6	768.7	764.6	771.3	773.5	781.3	786.6	797.6	807.0
22.5°	743.3	738.6	736.4	735.2	736.4	738.6	743.3	746.9	753.9	764.0	774.7
25°	700.5	693.8	691.2	688.0	691.2	693.8	700.5	702.7	710.0	719.9	725.7
27.5°	658.0	654.3	650.9	650.1	650.9	654.3	658.0	661.0	667.3	676.0	686.4
30°	630.3	626.6	624.0	624.0	624.0	626.6	630.3	636.6	641.3	649.1	657.0
32.5°	605.5	602.7	600.1	599.7	600.1	602.7	605.5	608.9	614.5	623.2	631.5
35°	569.5	565.3	564.2	561.1	564.2	565.3	569.5	572.1	577.8	584.1	591.0
37.5°	532.0	528.6	528.5	528.2	528.5	528.6	532.0	536.6	541.5	547.1	555.5
40°	508.2	505.5	504.9	501.3	504.9	505.5	508.2	510.2	515.4	522.8	529.1
42.5°	482.5	481.2	479.4	477.8	479.4	481.2	482.5	486.8	491.1	496.3	504.3
45°	447.8	444.1	444.1	441.5	444.1	444.1	447.8	451.5	453.6	459.9	470.4
47.5°	411.9	409.1	409.4	406.7	409.4	409.1	411.9	413.1	416.5	422.6	428.4
50°	388.0	386.5	386.0	384.9	386.0	386.5	388.0	387.5	391.7	397.5	405.4
52.5°	364.2	363.3	365.4	363.0	365.4	363.3	364.2	365.3	368.2	371.9	379.3
55°	331.9	330.3	333.5	330.3	333.5	330.3	331.9	330.8	331.9	335.6	340.3
57.5°	294.9	293.5	296.3	294.7	296.3	293.5	294.9	295.1	298.2	298.8	303.0
60°	270.5	267.4	269.0	269.5	269.0	267.4	270.5	271.7	272.7	273.2	277.4
62.5°	241.7	239.7	240.9	238.5	240.9	239.7	241.7	244.0	246.2	248.8	251.4
65°	200.9	199.2	197.1	196.1	197.1	199.2	200.9	201.9	207.6	210.8	216.5
67.5°	168.7	165.0	164.9	165.7	164.9	165.0	168.7	168.5	172.7	175.2	179.2
70°	145.2	145.2	144.7	144.7	144.7	145.2	145.2	148.3	150.5	152.6	155.2
72.5°	128.9	128.5	127.5	127.1	127.5	128.5	128.9	130.0	131.2	133.3	135.9
75°	103.8	104.3	103.3	102.8	103.3	104.3	103.8	103.8	105.9	106.4	107.4
77.5°	76.6	74.4	75.6	74.4	75.6	74.4	76.6	78.8	79.5	81.8	81.9
80°	58.2	57.7	59.3	57.7	59.3	57.7	58.2	58.2	59.8	60.8	63.4
82.5°	46.0	45.5	46.3	45.1	46.3	45.5	46.0	45.6	46.4	47.9	47.5
85°	27.8	27.3	26.8	27.3	26.8	27.3	27.8	27.3	26.8	27.3	27.8
87.5°	13.1	12.7	12.8	12.8	12.8	12.7	13.1	12.7	12.8	12.6	12.5
90°	17.4	17.4	18.2	18.2	18.2	17.4	17.4	17.4	15.8	15.0	14.2
92.5°	54.6	52.7	51.6	50.4	51.6	52.7	54.6	64.7	76.4	101.6	140.0
95°	228.2	204.5	198.2	185.5	198.2	204.5	228.2	284.3	350.6	447.7	567.7
97.5°	525.7	481.5	458.6	448.5	458.6	481.5	525.7	574.5	666.7	761.3	845.6
100°	714.6	657.7	628.5	615.9	628.5	657.7	714.6	769.1	851.2	932.5	971.2
102.5°	884.5	844.0	812.3	802.8	812.3	844.0	884.5	942.8	998.4	1037.4	1013.5
105°	1097.5	1071.5	1055.7	1046.2	1055.7	1071.5	1097.5	1122.9	1131.6	1096.8	988.6
107.5°	1187.1	1186.9	1181.7	1175.4	1181.7	1186.9	1187.1	1174.3	1133.1	1043.9	899.5
110°	1197.8	1212.8	1218.4	1218.4	1218.4	1212.8	1197.8	1162.3	1095.2	983.8	833.8



TEST NUMBER: P333564-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1168.1	1193.9	1207.6	1213.4	1207.6	1193.9	1168.1	1116.2	1037.0	924.4	782.0
115°	1095.2	1133.1	1155.2	1165.5	1155.2	1133.1	1095.2	1033.6	947.6	839.4	717.0
117.5°	1014.2	1053.3	1075.3	1081.6	1075.3	1053.3	1014.2	952.6	873.6	780.4	675.0
120°	961.7	999.7	1021.0	1027.2	1021.0	999.7	961.7	903.3	833.8	747.0	652.2
122.5°	917.6	952.3	973.6	979.3	973.6	952.3	917.6	865.5	800.3	723.0	635.2
125°	860.7	893.0	910.4	918.3	910.4	893.0	860.7	816.5	759.6	690.9	610.4
127.5°	817.7	846.3	862.7	866.2	862.7	846.3	817.7	777.6	724.4	660.2	585.1
130°	791.2	817.3	833.0	837.8	833.0	817.3	791.2	751.7	700.3	638.8	569.3
132.5°	763.4	789.4	804.0	809.3	804.0	789.4	763.4	723.9	674.5	618.5	553.5
135°	717.7	743.8	758.0	762.8	758.0	743.8	717.7	683.0	638.0	587.4	533.0
137.5°	671.1	694.7	707.8	713.1	707.8	694.7	671.1	639.9	601.7	559.7	515.6
140°	642.0	662.5	674.3	678.2	674.3	662.5	642.0	612.7	579.6	543.2	506.1
142.5°	614.2	631.6	642.8	646.0	642.8	631.6	614.2	589.4	560.6	529.4	498.0
145°	576.4	589.9	598.5	601.7	598.5	589.9	576.4	557.4	536.1	511.7	487.2
147.5°	546.8	557.6	562.7	564.1	562.7	557.6	546.8	531.9	515.7	497.0	477.1
150°	529.9	539.3	542.5	543.2	542.5	539.3	529.9	518.0	503.7	488.8	471.4
152.5°	515.3	522.9	526.0	526.8	526.0	522.9	515.3	505.3	494.3	480.6	465.0
155°	495.8	501.4	503.7	504.5	503.7	501.4	495.8	488.0	479.3	468.3	455.7
157.5°	478.1	482.6	484.8	484.6	484.8	482.6	478.1	471.9	465.0	456.6	446.2
160°	466.7	470.6	472.2	471.4	472.2	470.6	466.7	461.1	455.7	447.7	439.8
162.5°	456.0	459.2	459.6	459.4	459.6	459.2	456.0	451.6	446.8	440.1	432.8
165°	440.6	442.2	442.2	442.2	442.2	442.2	440.6	437.5	433.5	428.8	423.2
167.5°	425.8	427.2	426.6	426.4	426.6	427.2	425.8	424.1	421.3	417.7	414.0
170°	416.9	417.7	417.7	416.9	417.7	417.7	416.9	415.4	413.7	411.4	409.0
172.5°	408.7	410.1	408.9	408.1	408.9	410.1	408.7	408.4	407.5	405.7	403.3
175°	398.8	399.5	398.0	397.2	398.0	399.5	398.8	398.8	398.8	397.2	397.2
177.5°	392.9	393.5	391.6	391.6	391.6	393.5	392.9	393.5	393.5	393.5	392.9
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333564-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1224.6	1229.1	1231.6	1237.5	1245.9	1250.1	1256.0	1260.2	1266.1	1273.1	1279.1
5°	1145.2	1157.8	1166.2	1179.3	1191.3	1203.5	1218.6	1229.6	1244.4	1261.1	1274.2
7.5°	1071.6	1087.3	1101.3	1118.6	1138.5	1154.1	1173.9	1194.1	1217.1	1240.9	1263.3
10°	1024.6	1040.4	1057.6	1079.1	1099.0	1120.0	1143.7	1167.2	1196.1	1222.8	1253.2
12.5°	978.1	995.4	1014.9	1038.8	1063.0	1089.8	1113.9	1140.4	1171.3	1206.1	1238.6
15°	920.3	937.1	958.1	978.5	1006.2	1035.6	1067.6	1102.8	1137.4	1176.2	1216.6
17.5°	858.3	876.8	899.8	923.5	952.8	987.1	1018.5	1057.0	1095.9	1141.1	1188.6
20°	818.0	836.9	864.1	890.4	917.2	950.7	988.0	1027.2	1068.6	1116.4	1169.3
22.5°	786.2	799.6	826.4	853.0	884.4	918.8	955.2	996.2	1041.4	1090.8	1146.3
25°	738.8	754.6	774.0	801.7	834.2	870.5	907.2	950.7	1000.0	1050.4	1109.5
27.5°	696.8	709.7	728.9	750.7	783.0	820.6	859.7	905.0	955.6	1006.9	1069.1
30°	667.0	681.2	699.5	722.6	748.3	789.2	829.0	873.6	925.0	978.0	1041.9
32.5°	641.0	655.6	671.4	693.2	721.0	757.3	798.4	842.1	894.3	949.0	1011.3
35°	604.6	614.6	629.2	650.8	678.0	707.4	749.3	795.5	846.4	902.9	965.3
37.5°	562.9	575.7	590.4	609.0	632.9	664.7	703.7	750.3	797.6	851.8	908.8
40°	538.6	550.6	566.8	580.5	605.6	634.5	670.1	718.9	766.1	817.0	868.9
42.5°	513.8	525.4	539.2	556.1	578.8	606.8	640.0	685.4	735.9	783.9	827.4
45°	475.0	487.2	500.3	515.9	536.9	564.2	597.2	638.6	682.8	726.8	759.8
47.5°	438.1	449.4	461.8	477.9	497.3	523.5	553.1	589.7	632.5	669.9	693.6
50°	411.6	422.1	435.8	451.5	470.4	495.0	523.3	559.5	595.1	629.2	650.8
52.5°	385.7	397.4	411.0	424.6	442.7	467.4	493.5	524.7	558.7	586.4	604.2
55°	346.6	357.6	370.2	384.4	402.2	423.1	451.0	475.6	502.3	525.9	536.4
57.5°	308.9	318.6	330.4	345.2	361.2	380.7	402.7	426.5	445.2	462.0	473.8
60°	284.2	292.6	303.6	316.2	333.5	351.3	371.2	393.2	408.0	422.1	433.1
62.5°	259.0	267.0	277.6	288.9	304.2	320.7	339.8	357.6	371.9	381.4	394.2
65°	221.3	229.1	238.0	250.1	262.2	275.8	293.2	306.2	316.2	326.7	334.6
67.5°	186.1	192.7	201.2	210.6	220.8	233.9	247.3	258.2	265.0	271.4	280.7
70°	163.1	168.3	175.1	182.5	193.5	206.6	217.1	225.5	230.2	236.5	248.0
72.5°	139.6	145.6	152.1	159.5	168.3	179.4	188.5	196.9	200.0	205.0	212.4
75°	110.1	113.3	118.6	123.7	130.1	139.5	148.3	150.5	153.1	157.3	162.6
77.5°	83.3	86.1	88.2	91.7	96.6	104.2	109.0	112.1	112.7	114.3	119.5
80°	66.0	67.7	69.8	72.4	74.4	80.8	83.4	86.5	87.6	89.2	91.8
82.5°	48.5	50.0	51.3	53.5	56.9	59.4	62.0	65.1	65.3	66.4	67.1
85°	28.3	28.9	27.8	28.9	29.4	30.4	33.0	35.6	35.1	34.6	36.2
87.5°	12.7	12.6	11.8	12.9	11.8	12.0	11.7	11.8	12.4	12.9	13.5
90°	13.4	12.6	11.0	10.3	8.7	7.9	6.4	4.7	3.1	1.6	0.8
92.5°	206.1	254.6	258.6	180.2	107.9	64.7	41.7	28.1	18.3	11.7	9.6
95°	684.6	699.6	570.9	352.9	179.3	94.7	59.2	41.8	33.1	26.9	26.1
97.5°	866.2	747.1	509.8	281.8	154.4	98.6	72.9	57.4	48.7	44.2	43.2
100°	910.4	713.1	454.8	255.8	153.2	107.3	83.7	68.7	60.0	56.9	55.2
102.5°	883.9	653.0	413.1	245.1	158.9	118.2	95.0	81.3	72.0	69.5	68.6
105°	799.1	572.5	372.7	240.9	170.6	135.8	113.7	101.1	93.2	89.3	89.3
107.5°	712.6	517.1	355.7	248.1	187.9	154.3	134.4	121.3	114.8	111.0	109.5
110°	663.3	491.1	350.6	255.1	200.6	168.1	147.6	135.8	128.7	125.5	124.0



TEST NUMBER: P333564-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	626.6	475.9	350.6	263.9	212.6	181.5	161.6	149.7	142.6	140.1	138.5
115°	586.6	459.6	352.9	277.1	231.4	202.2	182.4	170.6	163.5	161.1	159.5
117.5°	562.8	451.5	358.2	292.4	250.6	223.0	203.9	190.5	183.4	180.9	178.4
120°	549.6	447.7	363.2	302.5	264.5	236.9	217.1	203.7	196.6	193.5	191.1
122.5°	538.2	444.5	367.6	313.8	277.8	250.1	230.5	215.7	208.6	206.1	204.4
125°	522.7	440.6	375.1	329.2	295.3	269.2	248.7	233.7	226.6	222.7	221.1
127.5°	508.5	438.7	383.4	343.5	312.3	287.1	266.6	250.6	241.7	236.6	234.2
130°	499.1	437.5	388.5	352.9	323.0	298.5	277.9	261.4	251.1	244.8	242.4
132.5°	491.5	437.5	394.2	361.1	333.1	308.6	288.0	270.8	259.3	251.8	248.7
135°	482.4	437.5	401.9	372.7	346.7	322.1	300.8	284.3	271.7	262.2	259.0
137.5°	474.4	438.4	409.0	381.2	356.3	334.0	312.0	295.8	283.2	274.3	272.0
140°	470.6	439.0	412.1	386.9	363.2	340.3	319.0	304.0	291.3	281.9	279.5
142.5°	467.5	439.7	414.0	390.1	367.6	346.0	326.0	311.5	298.9	290.1	288.3
145°	462.7	439.0	416.2	394.8	375.1	354.6	336.4	322.1	311.1	303.2	301.6
147.5°	457.8	437.0	416.9	397.7	379.8	361.8	345.9	333.6	323.3	316.5	315.5
150°	454.0	435.0	416.9	399.5	382.9	365.6	352.1	341.1	330.8	325.3	323.8
152.5°	449.6	432.5	416.3	400.8	386.1	370.0	357.9	347.4	338.4	333.6	332.5
155°	442.2	428.0	414.5	401.9	389.3	375.9	364.8	356.9	349.0	344.3	344.3
157.5°	435.3	423.2	412.5	402.7	391.9	380.4	372.0	365.1	358.3	354.6	354.7
160°	429.6	420.1	410.6	402.7	393.2	382.9	375.9	369.5	364.1	360.8	361.6
162.5°	424.4	416.3	408.7	402.0	394.5	385.5	379.6	374.6	369.7	366.6	367.3
165°	416.9	410.6	405.9	401.1	394.8	388.5	383.7	380.6	376.7	374.3	375.9
167.5°	409.5	405.1	401.4	399.2	394.8	389.6	386.6	384.4	382.1	380.7	381.5
170°	405.1	401.9	399.5	398.0	394.8	390.8	388.5	386.9	385.4	384.6	385.4
172.5°	400.6	398.1	397.0	396.7	394.2	390.8	389.7	388.8	387.2	386.5	387.9
175°	394.8	394.0	394.0	394.8	393.2	390.8	390.8	390.8	390.1	389.3	390.8
177.5°	392.2	391.6	391.6	392.9	392.2	391.0	391.0	391.6	391.0	391.0	392.2
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333564-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1283.6	1287.5	1292.9	1299.2	1304.2	1309.7	1312.6	1312.6	1315.1	1320.6	1327.7
5°	1287.4	1301.0	1314.0	1330.9	1343.9	1359.2	1370.7	1381.7	1391.7	1404.2	1417.3
7.5°	1286.3	1308.9	1332.5	1359.0	1388.2	1411.3	1435.1	1453.8	1472.2	1496.3	1515.3
10°	1282.1	1311.4	1343.4	1377.0	1413.7	1445.7	1474.5	1500.8	1525.9	1552.2	1575.7
12.5°	1274.6	1311.9	1351.0	1391.3	1437.6	1474.2	1511.5	1539.3	1568.7	1597.4	1626.5
15°	1263.2	1307.3	1354.4	1410.6	1467.2	1508.1	1544.8	1580.9	1608.2	1640.7	1668.6
17.5°	1239.8	1296.6	1355.9	1417.2	1471.7	1519.2	1557.7	1592.1	1621.1	1656.9	1694.7
20°	1226.0	1287.4	1349.2	1414.7	1466.6	1515.4	1552.7	1588.3	1624.5	1671.1	1717.3
22.5°	1206.7	1272.2	1337.9	1400.1	1454.9	1502.0	1540.4	1584.2	1631.6	1684.6	1740.4
25°	1176.2	1243.9	1308.8	1368.1	1421.6	1469.9	1522.3	1580.9	1638.7	1708.4	1788.7
27.5°	1137.5	1202.6	1260.7	1323.3	1376.4	1437.8	1503.3	1566.9	1650.1	1746.1	1846.2
30°	1108.5	1170.4	1225.5	1284.8	1345.0	1412.7	1486.1	1561.0	1660.1	1772.9	1892.0
32.5°	1075.0	1130.9	1185.6	1242.7	1312.3	1386.6	1464.7	1556.4	1674.9	1803.1	1926.3
35°	1016.7	1067.1	1120.0	1183.5	1257.5	1338.2	1437.8	1549.5	1692.6	1830.6	1941.3
37.5°	955.7	995.4	1048.6	1115.6	1196.1	1289.5	1402.6	1538.3	1685.4	1809.1	1856.1
40°	908.8	945.9	1002.1	1072.4	1152.1	1254.3	1381.2	1520.7	1668.6	1754.5	1750.9
42.5°	862.1	899.8	953.8	1024.5	1107.6	1222.0	1352.7	1497.6	1622.4	1655.2	1586.9
45°	790.7	825.9	878.9	950.2	1039.4	1159.4	1296.8	1435.7	1515.4	1462.5	1327.2
47.5°	718.0	752.0	801.2	871.1	968.4	1094.1	1224.0	1338.0	1349.2	1235.5	1073.2
50°	670.1	702.2	748.8	823.2	917.7	1040.4	1165.7	1255.4	1227.6	1088.6	921.3
52.5°	623.6	654.3	698.0	768.3	864.7	985.0	1096.9	1167.2	1103.0	955.2	804.7
55°	554.8	584.1	628.2	692.7	780.2	890.4	988.5	1014.1	919.8	770.8	649.1
57.5°	489.5	511.0	554.5	611.5	695.9	793.0	863.3	858.7	754.6	620.5	533.2
60°	446.3	465.6	507.1	559.5	639.7	726.8	776.1	755.1	649.6	539.1	455.1
62.5°	406.0	424.1	458.8	507.1	575.9	651.7	687.5	658.6	559.1	461.9	395.2
65°	345.1	358.1	386.0	430.5	484.5	536.9	569.0	526.4	438.4	365.0	314.6
67.5°	288.1	299.4	324.2	356.2	393.3	429.6	442.5	402.7	334.3	284.8	249.3
70°	251.2	261.7	278.4	308.3	333.0	358.7	365.0	329.3	272.2	234.4	212.4
72.5°	215.9	225.6	240.2	261.4	278.4	293.3	296.2	263.1	219.2	193.3	176.3
75°	164.6	173.1	182.5	190.4	201.4	204.0	202.9	177.2	153.6	136.3	126.9
77.5°	121.0	124.5	130.3	133.4	133.9	133.7	128.4	112.1	100.0	92.8	89.0
80°	93.3	95.9	97.6	98.6	99.1	93.8	88.1	78.2	73.9	69.8	65.0
82.5°	67.8	69.6	71.1	71.3	68.5	64.1	58.8	53.8	50.9	48.8	47.0
85°	36.7	37.3	36.7	34.1	30.4	28.9	27.8	26.8	26.3	25.7	25.7
87.5°	13.3	12.4	10.6	11.3	11.6	11.4	11.7	11.4	11.3	11.5	11.6
90°	1.6	3.1	4.7	6.4	7.9	8.7	10.3	11.0	12.6	13.4	14.2
92.5°	11.7	18.3	28.1	41.7	64.7	107.9	180.2	258.6	254.6	206.1	140.0
95°	26.9	33.1	41.8	59.2	94.7	179.3	352.9	570.9	699.6	684.6	567.7
97.5°	44.2	48.7	57.4	72.9	98.6	154.4	281.8	509.8	747.1	866.2	845.6
100°	56.9	60.0	68.7	83.7	107.3	153.2	255.8	454.8	713.1	910.4	971.2
102.5°	69.5	72.0	81.3	95.0	118.2	158.9	245.1	413.1	653.0	883.9	1013.5
105°	89.3	93.2	101.1	113.7	135.8	170.6	240.9	372.7	572.5	799.1	988.6
107.5°	111.0	114.8	121.3	134.4	154.3	187.9	248.1	355.7	517.1	712.6	899.5
110°	125.5	128.7	135.8	147.6	168.1	200.6	255.1	350.6	491.1	663.3	833.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	140.1	142.6	149.7	161.6	181.5	212.6	263.9	350.6	475.9	626.6	782.0
115°	161.1	163.5	170.6	182.4	202.2	231.4	277.1	352.9	459.6	586.6	717.0
117.5°	180.9	183.4	190.5	203.9	223.0	250.6	292.4	358.2	451.5	562.8	675.0
120°	193.5	196.6	203.7	217.1	236.9	264.5	302.5	363.2	447.7	549.6	652.2
122.5°	206.1	208.6	215.7	230.5	250.1	277.8	313.8	367.6	444.5	538.2	635.2
125°	222.7	226.6	233.7	248.7	269.2	295.3	329.2	375.1	440.6	522.7	610.4
127.5°	236.6	241.7	250.6	266.6	287.1	312.3	343.5	383.4	438.7	508.5	585.1
130°	244.8	251.1	261.4	277.9	298.5	323.0	352.9	388.5	437.5	499.1	569.3
132.5°	251.8	259.3	270.8	288.0	308.6	333.1	361.1	394.2	437.5	491.5	553.5
135°	262.2	271.7	284.3	300.8	322.1	346.7	372.7	401.9	437.5	482.4	533.0
137.5°	274.3	283.2	295.8	312.0	334.0	356.3	381.2	409.0	438.4	474.4	515.6
140°	281.9	291.3	304.0	319.0	340.3	363.2	386.9	412.1	439.0	470.6	506.1
142.5°	290.1	298.9	311.5	326.0	346.0	367.6	390.1	414.0	439.7	467.5	498.0
145°	303.2	311.1	322.1	336.4	354.6	375.1	394.8	416.2	439.0	462.7	487.2
147.5°	316.5	323.3	333.6	345.9	361.8	379.8	397.7	416.9	437.0	457.8	477.1
150°	325.3	330.8	341.1	352.1	365.6	382.9	399.5	416.9	435.0	454.0	471.4
152.5°	333.6	338.4	347.4	357.9	370.0	386.1	400.8	416.3	432.5	449.6	465.0
155°	344.3	349.0	356.9	364.8	375.9	389.3	401.9	414.5	428.0	442.2	455.7
157.5°	354.6	358.3	365.1	372.0	380.4	391.9	402.7	412.5	423.2	435.3	446.2
160°	360.8	364.1	369.5	375.9	382.9	393.2	402.7	410.6	420.1	429.6	439.8
162.5°	366.6	369.7	374.6	379.6	385.5	394.5	402.0	408.7	416.3	424.4	432.8
165°	374.3	376.7	380.6	383.7	388.5	394.8	401.1	405.9	410.6	416.9	423.2
167.5°	380.7	382.1	384.4	386.6	389.6	394.8	399.2	401.4	405.1	409.5	414.0
170°	384.6	385.4	386.9	388.5	390.8	394.8	398.0	399.5	401.9	405.1	409.0
172.5°	386.5	387.2	388.8	389.7	390.8	394.2	396.7	397.0	398.1	400.6	403.3
175°	389.3	390.1	390.8	390.8	390.8	393.2	394.8	394.0	394.0	394.8	397.2
177.5°	391.0	391.0	391.6	391.0	391.0	392.2	392.9	391.6	391.6	392.2	392.9
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1333.1	1333.1	1340.3	1339.9	1344.5	1342.8	1343.6
5°	1433.1	1442.0	1449.9	1455.1	1463.0	1465.1	1464.0
7.5°	1536.7	1556.5	1566.2	1579.4	1581.9	1588.7	1588.0
10°	1600.9	1620.3	1635.0	1646.5	1652.3	1659.6	1660.1
12.5°	1651.2	1667.7	1680.7	1691.4	1698.4	1700.7	1702.1
15°	1690.6	1708.9	1724.1	1739.3	1748.3	1755.0	1758.8
17.5°	1730.2	1758.6	1785.3	1806.0	1818.5	1828.9	1828.8
20°	1760.8	1793.3	1826.9	1850.5	1874.6	1885.1	1886.7
22.5°	1793.5	1843.3	1886.5	1923.1	1954.8	1965.7	1969.7
25°	1861.5	1926.5	1993.2	2044.6	2081.2	2102.7	2105.9
27.5°	1943.6	2031.6	2101.7	2149.1	2179.6	2195.5	2199.0
30°	2001.6	2082.8	2145.8	2181.4	2195.5	2197.7	2189.8
32.5°	2027.5	2088.3	2113.4	2111.3	2083.6	2065.1	2058.0
35°	1995.8	1983.2	1921.8	1848.5	1792.3	1756.7	1747.2
37.5°	1816.2	1707.7	1594.8	1483.9	1424.8	1394.8	1343.2
40°	1639.2	1484.5	1367.1	1273.7	1207.1	1153.6	1141.0
42.5°	1439.5	1279.8	1162.4	1082.4	1029.3	992.5	976.5
45°	1156.8	1019.4	922.4	861.0	820.1	793.3	781.3
47.5°	925.2	818.9	748.2	702.8	671.7	648.3	641.9
50°	798.1	713.2	653.4	615.1	591.5	573.7	566.3
52.5°	693.2	624.6	578.7	547.1	524.8	513.7	507.6
55°	572.1	512.8	479.8	454.6	442.0	433.1	428.9
57.5°	467.9	425.1	400.9	383.5	371.9	366.2	364.2
60°	409.5	376.0	354.0	340.3	332.4	325.1	323.1
62.5°	357.9	331.5	314.5	302.6	294.7	291.5	290.3
65°	288.4	271.1	258.5	251.2	244.9	243.9	243.3
67.5°	229.2	219.0	212.5	204.8	202.6	198.9	198.2
70°	196.1	189.2	181.5	178.8	176.2	172.5	173.1
72.5°	166.3	159.6	154.2	150.7	149.8	148.1	149.6
75°	121.7	119.6	117.4	114.8	113.8	113.8	113.3
77.5°	86.8	85.0	82.7	81.2	80.9	78.7	79.5
80°	62.9	60.3	59.3	59.8	58.2	57.7	57.7
82.5°	46.6	45.6	44.5	44.6	44.3	43.8	44.2
85°	25.7	25.1	25.1	24.6	24.6	24.1	24.1
87.5°	12.2	12.8	12.3	11.8	11.8	12.4	12.8
90°	15.0	15.8	17.4	17.4	17.4	18.2	18.2
92.5°	101.6	76.4	64.7	54.6	52.7	51.6	50.4
95°	447.7	350.6	284.3	228.2	204.5	198.2	185.5
97.5°	761.3	666.7	574.5	525.7	481.5	458.6	448.5
100°	932.5	851.2	769.1	714.6	657.7	628.5	615.9
102.5°	1037.4	998.4	942.8	884.5	844.0	812.3	802.8
105°	1096.8	1131.6	1122.9	1097.5	1071.5	1055.7	1046.2
107.5°	1043.9	1133.1	1174.3	1187.1	1186.9	1181.7	1175.4
110°	983.8	1095.2	1162.3	1197.8	1212.8	1218.4	1218.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	924.4	1037.0	1116.2	1168.1	1193.9	1207.6	1213.4
115°	839.4	947.6	1033.6	1095.2	1133.1	1155.2	1165.5
117.5°	780.4	873.6	952.6	1014.2	1053.3	1075.3	1081.6
120°	747.0	833.8	903.3	961.7	999.7	1021.0	1027.2
122.5°	723.0	800.3	865.5	917.6	952.3	973.6	979.3
125°	690.9	759.6	816.5	860.7	893.0	910.4	918.3
127.5°	660.2	724.4	777.6	817.7	846.3	862.7	866.2
130°	638.8	700.3	751.7	791.2	817.3	833.0	837.8
132.5°	618.5	674.5	723.9	763.4	789.4	804.0	809.3
135°	587.4	638.0	683.0	717.7	743.8	758.0	762.8
137.5°	559.7	601.7	639.9	671.1	694.7	707.8	713.1
140°	543.2	579.6	612.7	642.0	662.5	674.3	678.2
142.5°	529.4	560.6	589.4	614.2	631.6	642.8	646.0
145°	511.7	536.1	557.4	576.4	589.9	598.5	601.7
147.5°	497.0	515.7	531.9	546.8	557.6	562.7	564.1
150°	488.8	503.7	518.0	529.9	539.3	542.5	543.2
152.5°	480.6	494.3	505.3	515.3	522.9	526.0	526.8
155°	468.3	479.3	488.0	495.8	501.4	503.7	504.5
157.5°	456.6	465.0	471.9	478.1	482.6	484.8	484.6
160°	447.7	455.7	461.1	466.7	470.6	472.2	471.4
162.5°	440.1	446.8	451.6	456.0	459.2	459.6	459.4
165°	428.8	433.5	437.5	440.6	442.2	442.2	442.2
167.5°	417.7	421.3	424.1	425.8	427.2	426.6	426.4
170°	411.4	413.7	415.4	416.9	417.7	417.7	416.9
172.5°	405.7	407.5	408.4	408.7	410.1	408.9	408.1
175°	397.2	398.8	398.8	398.8	399.5	398.0	397.2
177.5°	393.5	393.5	393.5	392.9	393.5	391.6	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6

(END OF REPORT)