

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: P333216-840

Luminaire Tested: **S125DIP-S850D590U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333216-840  
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: S125DIP-S850D590U840-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5630.5 lumens  
Efficiency: N/A  
Efficacy: 139.7 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Direct

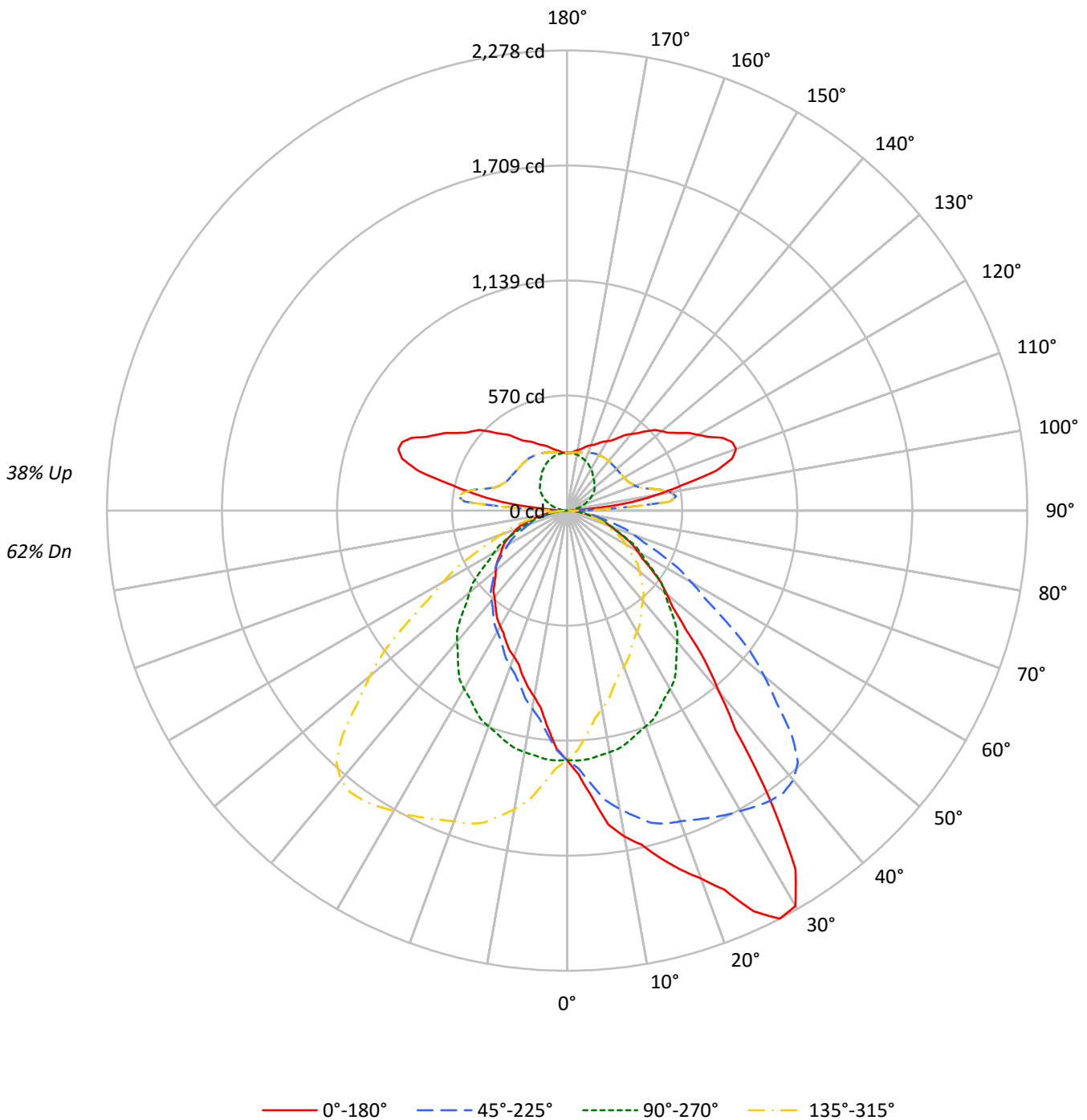
Input Watts (W): 40.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	93	89	94	91	87	84	79	77	75	69	67	66	60	58	57	53
2	92	85	78	73	86	79	74	69	70	66	62	61	58	55	53	51	49	45
3	84	75	67	61	78	70	64	58	62	57	53	54	50	47	47	44	42	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	44	39	44	39	35	38	34	32	29
6	65	53	45	39	61	50	43	37	45	39	34	39	35	31	35	31	28	25
7	60	48	40	34	57	45	38	33	41	35	30	36	31	27	32	28	25	22
8	56	44	36	30	53	41	34	29	37	31	27	33	28	24	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18
10	49	37	29	24	46	35	28	24	31	26	22	28	23	20	25	21	18	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	7979	7979	7979	7979
5°	9240	8006	7010	8006
10°	10750	7965	6142	7965
15°	11900	7906	5666	7906
20°	13320	7813	5283	7813
25°	15605	7709	5097	7709
30°	16855	7607	4935	7607
35°	13858	7413	4829	7413
40°	9850	7144	4713	7144
45°	7567	6783	4646	6783
50°	6459	6333	4636	6333
55°	5751	5892	4677	5892
60°	5187	5412	4795	5412
65°	4792	4927	4919	4927
70°	4358	4426	4991	4426
75°	3848	3898	4946	3898
80°	3239	3176	4526	3176
85°	2564	2290	3653	2290



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.9	2.1
10°-20°	354.1	6.3
20°-30°	575.0	10.2
30°-40°	701.4	12.5
40°-50°	638.1	11.3
50°-60°	508.2	9.0
60°-70°	354.0	6.3
70°-80°	188.8	3.4
80°-90°	49.2	0.9
90°-100°	207.1	3.7
100°-110°	445.2	7.9
110°-120°	417.8	7.4
120°-130°	338.6	6.0
130°-140°	271.7	4.8
140°-150°	205.1	3.6
150°-160°	144.3	2.6
160°-170°	85.1	1.5
170°-180°	27.7	0.5
0°-30°	1048.1	18.6
0°-40°	1749.5	31.1
0°-60°	2895.8	51.4
0°-90°	3487.8	61.9
90°-120°	1070.2	19.0
90°-150°	1885.6	33.5
90°-180°	2143.0	38.1
0°-180°	5630.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1236	1236	1236	1236	1236	
5°	1425	1235	1081	1235	1425	144
15°	1780	1182	847	1182	1780	509
25°	2190	1082	715	1082	2190	1000
35°	1758	940	612	940	1758	1076
45°	828	743	509	743	828	663
55°	511	523	415	523	511	460
65°	314	322	322	322	314	311
75°	154	156	198	156	154	166
85°	35	31	49	31	35	40
90°	13	1	13	1	13	10
95°	135	19	135	19	135	192
105°	763	65	763	65	763	759
115°	850	116	850	116	850	831
125°	670	161	670	161	670	606
135°	556	189	556	189	556	431
145°	439	220	439	220	439	279
155°	368	251	368	251	368	172
165°	323	274	323	274	323	92
175°	290	285	290	285	290	28
180°	286	286	286	286	286	



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1306.8	1305.0	1303.4	1300.0	1302.5	1295.5	1292.0	1286.2	1279.1	1276.6	1273.6
5°	1425.2	1427.8	1430.5	1419.5	1420.6	1413.2	1396.4	1382.8	1371.8	1357.7	1347.7
7.5°	1567.9	1561.7	1561.2	1554.1	1541.8	1532.0	1514.3	1491.9	1470.2	1445.4	1424.9
10°	1639.2	1639.7	1635.0	1626.6	1613.6	1604.1	1581.0	1558.9	1532.3	1500.8	1478.2
12.5°	1692.9	1695.1	1689.1	1677.8	1671.4	1650.2	1632.1	1606.0	1574.2	1549.0	1514.7
15°	1779.8	1773.9	1769.8	1755.7	1744.6	1722.6	1693.7	1666.5	1631.8	1599.8	1567.9
17.5°	1863.4	1868.0	1860.2	1847.2	1813.1	1787.4	1748.7	1711.3	1668.3	1625.4	1587.2
20°	1938.1	1942.3	1930.3	1907.7	1866.8	1841.1	1790.2	1742.0	1692.1	1637.1	1595.2
22.5°	2031.2	2027.9	2011.7	1977.3	1941.9	1894.4	1839.3	1780.6	1718.2	1656.0	1600.2
25°	2189.8	2167.8	2157.8	2115.4	2068.7	1998.9	1923.4	1837.4	1759.8	1677.5	1606.2
27.5°	2277.6	2270.8	2259.7	2230.1	2181.0	2106.5	2017.4	1912.6	1803.1	1699.2	1605.9
30°	2260.1	2261.1	2262.2	2252.7	2221.3	2165.2	2076.6	1963.8	1833.7	1716.8	1608.8
32.5°	2104.1	2123.1	2141.3	2162.9	2171.7	2161.0	2105.5	2003.7	1869.9	1737.0	1607.1
35°	1757.7	1763.5	1822.7	1881.5	1961.2	2023.1	2064.5	2019.4	1906.6	1754.0	1605.1
37.5°	1370.5	1398.9	1439.9	1506.2	1621.2	1724.2	1856.7	1917.6	1881.3	1759.6	1601.4
40°	1168.3	1194.6	1221.2	1288.9	1385.9	1510.8	1661.2	1789.7	1819.6	1742.0	1588.8
42.5°	1012.3	1033.0	1062.7	1113.6	1194.7	1305.1	1449.0	1616.9	1720.2	1690.8	1562.5
45°	828.5	841.6	864.7	905.0	963.8	1050.4	1177.2	1360.8	1520.7	1573.7	1499.8
47.5°	709.1	709.0	727.0	754.9	797.3	870.8	964.6	1108.4	1279.3	1405.6	1399.8
50°	642.9	640.3	654.4	678.5	712.1	760.8	850.5	965.3	1129.5	1272.6	1312.5
52.5°	585.8	586.1	594.8	612.7	640.8	682.5	749.4	852.9	993.2	1140.1	1215.2
55°	510.8	508.7	518.6	530.7	551.1	578.3	626.6	705.8	819.6	964.3	1061.9
57.5°	441.9	447.7	451.7	460.1	477.1	495.3	536.0	594.1	684.4	808.6	911.7
60°	401.6	407.5	410.6	419.0	432.6	448.4	479.8	527.0	603.0	710.0	812.2
62.5°	365.6	370.1	371.1	378.7	389.8	405.2	429.9	469.5	529.6	623.2	723.4
65°	313.6	313.6	315.7	323.6	328.8	342.4	361.3	390.1	438.4	511.3	596.7
67.5°	263.5	266.0	265.4	268.9	273.8	284.3	297.8	321.6	357.4	410.6	479.0
70°	230.8	232.8	232.3	234.9	240.1	247.0	258.0	280.5	306.2	351.8	410.6
72.5°	201.4	202.2	200.9	204.3	207.4	213.4	225.7	237.7	261.8	300.2	348.5
75°	154.2	155.2	156.2	158.3	161.5	164.6	171.0	183.0	198.7	227.6	258.5
77.5°	115.5	113.6	116.1	115.8	117.5	120.0	125.5	131.9	144.8	163.1	187.0
80°	87.1	87.6	87.6	88.1	90.7	92.3	97.0	101.7	111.7	125.3	142.1
82.5°	63.5	64.9	64.1	65.0	67.3	68.4	71.0	74.8	80.7	91.4	103.5
85°	34.6	32.0	33.0	34.1	34.1	34.6	36.7	38.3	41.4	45.6	50.3
87.5°	12.7	13.5	13.8	13.8	14.2	14.0	15.7	15.5	16.7	17.8	19.2
90°	13.2	13.2	12.6	12.6	12.6	11.5	10.9	10.4	9.8	9.2	8.1
92.5°	36.8	37.7	38.5	39.9	47.3	55.7	74.1	102.1	150.4	185.7	188.7
95°	135.4	144.6	149.2	166.5	207.4	255.8	326.6	414.1	499.5	510.4	416.5
97.5°	327.2	334.6	351.2	383.5	419.1	486.5	555.4	616.8	632.0	545.0	371.9
100°	449.3	458.6	479.9	521.3	561.1	621.0	680.3	708.5	664.2	520.2	331.8
102.5°	585.7	592.7	615.8	645.3	687.8	728.3	756.8	739.4	644.8	476.4	301.3
105°	763.3	770.2	781.7	800.7	819.1	825.5	800.1	721.2	583.0	417.7	271.9
107.5°	857.5	862.1	866.0	866.1	856.7	826.7	761.5	656.2	519.9	377.2	259.4
110°	888.9	888.9	884.8	873.8	848.0	799.0	717.8	608.3	483.9	358.3	255.8



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	885.1	881.0	871.0	852.2	814.4	756.6	674.5	570.6	457.2	347.3	255.8
115°	850.3	842.7	826.7	799.0	754.1	691.3	612.4	523.0	428.0	335.3	257.5
117.5°	789.1	784.5	768.5	739.9	695.0	637.3	569.4	492.4	410.6	329.4	261.3
120°	749.4	744.9	729.3	701.7	659.0	608.3	544.9	475.8	400.9	326.6	265.0
122.5°	714.4	710.2	694.7	669.3	631.4	583.9	527.5	463.4	392.6	324.4	268.2
125°	669.9	664.2	651.6	627.9	595.6	554.2	504.0	445.2	381.3	321.4	273.7
127.5°	632.0	629.3	617.4	596.5	567.3	528.5	481.7	426.9	371.0	320.0	279.7
130°	611.2	607.7	596.2	577.2	548.4	511.0	466.1	415.4	364.1	319.1	283.5
132.5°	590.5	586.5	575.9	556.9	528.2	492.1	451.3	403.8	358.5	319.1	287.6
135°	556.4	553.0	542.6	523.6	498.3	465.4	428.6	388.8	351.9	319.1	293.2
137.5°	520.2	516.3	506.9	489.5	466.9	439.0	408.3	376.2	346.1	319.8	298.4
140°	494.8	491.9	483.3	468.4	447.1	422.8	396.4	369.2	343.4	320.3	300.7
142.5°	471.3	468.9	460.7	448.1	430.0	409.0	386.2	363.2	341.0	320.7	302.1
145°	439.0	436.7	430.3	420.5	406.7	391.1	373.2	355.5	337.6	320.3	303.6
147.5°	411.5	410.5	406.8	399.0	388.0	376.3	362.5	348.1	334.0	318.8	304.2
150°	396.4	395.8	393.4	386.6	377.9	367.5	356.6	343.9	331.2	317.4	304.2
152.5°	384.4	383.7	381.4	376.0	368.7	360.6	350.6	339.3	328.0	315.6	303.7
155°	368.1	367.5	365.8	361.7	356.0	349.6	341.6	332.3	322.6	312.3	302.5
157.5°	353.6	353.7	352.0	348.7	344.3	339.3	333.1	325.5	317.5	308.7	300.9
160°	343.9	344.5	343.4	340.4	336.4	332.3	326.6	320.8	313.4	306.5	299.5
162.5°	335.2	335.3	335.1	332.6	329.5	325.9	321.1	315.8	309.7	303.7	298.2
165°	322.6	322.6	322.6	321.4	319.1	316.3	312.8	308.7	304.2	299.5	296.1
167.5°	311.0	311.1	311.6	310.6	309.4	307.4	304.8	302.1	298.7	295.5	292.9
170°	304.2	304.8	304.8	304.2	303.0	301.8	300.1	298.4	295.5	293.2	291.4
172.5°	297.7	298.3	299.2	298.2	297.9	297.2	296.0	294.3	292.3	290.4	289.6
175°	289.7	290.3	291.4	290.9	290.9	290.9	289.7	289.7	288.0	287.4	287.4
177.5°	285.7	285.7	287.1	286.6	287.1	287.1	287.1	286.6	286.2	285.7	285.7
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1271.1	1268.2	1264.8	1258.9	1251.8	1248.0	1242.1	1238.4	1230.8	1224.6	1217.8
5°	1335.5	1321.9	1309.4	1293.1	1275.3	1263.7	1250.1	1234.9	1219.2	1203.0	1185.1
7.5°	1402.4	1378.3	1352.0	1323.8	1296.3	1270.9	1246.7	1222.8	1200.6	1173.8	1151.0
10°	1447.2	1416.8	1384.3	1346.0	1308.9	1276.4	1243.3	1214.5	1185.1	1153.7	1125.8
12.5°	1492.2	1451.7	1405.7	1363.7	1318.9	1279.7	1240.8	1204.0	1167.1	1132.3	1099.8
15°	1523.9	1488.1	1445.7	1385.9	1335.5	1281.6	1230.2	1182.5	1137.9	1099.1	1058.2
17.5°	1544.7	1498.7	1453.2	1395.8	1329.8	1269.4	1211.2	1156.6	1106.3	1057.1	1017.7
20°	1548.5	1501.3	1453.6	1397.5	1329.8	1260.6	1202.4	1136.8	1082.9	1032.0	983.7
22.5°	1547.2	1493.8	1441.8	1384.0	1318.1	1254.4	1184.0	1117.1	1058.5	1008.5	958.2
25°	1535.4	1478.2	1413.2	1355.0	1290.0	1222.3	1151.0	1081.8	1022.0	964.8	915.0
27.5°	1525.5	1451.4	1377.8	1309.9	1247.1	1185.1	1116.8	1045.9	979.7	921.7	874.7
30°	1513.4	1432.1	1349.2	1278.4	1214.0	1153.7	1089.1	1020.0	950.7	894.0	843.7
32.5°	1502.5	1407.8	1320.3	1243.2	1174.9	1116.3	1056.8	991.0	923.0	865.6	815.2
35°	1481.4	1371.8	1271.6	1184.6	1111.7	1051.4	1001.6	940.2	877.8	822.2	774.0
37.5°	1454.6	1324.5	1217.1	1125.8	1045.9	982.4	936.0	888.9	829.0	775.5	731.8
40°	1433.6	1291.0	1177.2	1083.9	1001.1	934.9	892.0	847.4	797.6	747.8	701.7
42.5°	1407.2	1260.8	1137.0	1036.5	954.4	890.1	845.0	807.1	763.2	716.7	673.9
45°	1358.7	1206.1	1071.9	963.8	880.9	817.5	770.8	742.6	709.5	665.4	629.2
47.5°	1287.3	1140.3	1001.5	890.0	804.5	745.7	702.0	674.8	651.5	618.7	585.9
50°	1223.9	1091.3	950.7	840.0	754.6	695.3	655.0	630.3	610.4	585.2	557.4
52.5°	1153.0	1029.6	900.8	791.4	706.8	648.3	608.8	587.1	570.6	552.5	525.1
55°	1040.4	935.5	816.0	712.1	634.0	576.8	542.2	523.3	509.7	496.0	479.3
57.5°	916.3	834.2	728.3	633.5	561.5	509.5	477.2	458.8	448.3	441.2	431.3
60°	829.0	758.8	667.5	581.0	510.8	464.6	433.1	419.0	410.1	404.2	397.0
62.5°	748.1	690.4	605.8	526.8	465.4	421.8	393.7	380.0	371.4	368.6	362.5
65°	628.7	584.2	514.4	448.9	396.5	359.2	335.6	322.4	317.2	314.1	314.7
67.5°	511.2	484.0	428.0	372.1	330.2	299.0	280.1	270.0	267.4	263.3	263.2
70°	439.4	419.0	371.8	323.1	285.8	261.7	244.9	234.4	231.8	229.6	229.1
72.5°	376.1	358.2	317.2	278.1	244.7	223.5	209.6	203.4	199.0	197.8	197.7
75°	282.7	272.7	240.1	209.2	186.1	171.5	162.1	156.2	153.1	152.6	153.1
77.5°	201.0	192.3	171.6	149.7	135.1	124.0	116.0	114.0	110.5	110.6	110.0
80°	151.0	145.2	132.2	114.8	102.8	93.3	89.2	85.4	84.4	82.8	84.4
82.5°	109.5	103.3	94.4	83.4	73.4	67.8	63.5	62.4	61.8	61.0	61.4
85°	54.0	54.5	49.3	40.9	36.7	33.5	30.9	30.9	30.4	29.9	30.4
87.5°	20.0	18.9	17.1	15.7	13.2	11.8	11.1	11.4	10.3	10.1	10.8
90°	7.5	6.4	5.8	4.6	3.4	2.3	1.1	0.6	1.1	2.3	3.4
92.5°	131.5	78.7	47.3	30.4	20.5	13.3	8.5	7.1	8.5	13.3	20.5
95°	257.5	130.8	69.2	43.2	30.5	24.2	19.6	19.0	19.6	24.2	30.5
97.5°	205.5	112.7	71.9	53.2	41.8	35.4	32.2	31.6	32.2	35.4	41.8
100°	186.6	111.8	78.4	61.1	50.1	43.8	41.5	40.3	41.5	43.8	50.1
102.5°	178.8	115.9	86.1	69.4	59.4	52.5	50.7	50.0	50.7	52.5	59.4
105°	175.7	124.4	99.1	82.9	73.7	68.0	65.1	65.1	65.1	68.0	73.7
107.5°	181.0	137.1	112.6	98.1	88.5	83.7	81.0	79.9	81.0	83.7	88.5
110°	186.0	146.3	122.7	107.8	99.1	93.9	91.6	90.5	91.6	93.9	99.1





TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	192.5	155.1	132.4	117.9	109.3	104.0	102.2	101.1	102.2	104.0	109.3
115°	202.2	168.7	147.4	133.1	124.4	119.3	117.5	116.3	117.5	119.3	124.4
117.5°	213.3	182.9	162.7	148.8	139.0	133.8	131.9	130.2	131.9	133.8	139.0
120°	220.7	193.0	172.8	158.4	148.7	143.4	141.2	139.4	141.2	143.4	148.7
122.5°	228.9	202.7	182.5	168.1	157.3	152.2	150.4	149.1	150.4	152.2	157.3
125°	240.2	215.4	196.4	181.5	170.5	165.3	162.5	161.3	162.5	165.3	170.5
127.5°	250.5	227.7	209.4	194.5	182.9	176.3	172.6	170.9	172.6	176.3	182.9
130°	257.5	235.6	217.7	202.8	190.7	183.2	178.5	176.8	178.5	183.2	190.7
132.5°	263.5	243.0	225.1	210.2	197.6	189.1	183.7	181.5	183.7	189.1	197.6
135°	271.9	252.9	235.0	219.4	207.4	198.1	191.3	188.9	191.3	198.1	207.4
137.5°	278.1	259.9	243.7	227.6	215.8	206.6	200.2	198.4	200.2	206.6	215.8
140°	282.3	265.0	248.3	232.8	221.8	212.6	205.6	203.9	205.6	212.6	221.8
142.5°	284.6	268.2	252.5	237.8	227.3	218.1	211.7	210.4	211.7	218.1	227.3
145°	288.0	273.7	258.6	245.4	235.0	226.9	221.2	220.0	221.2	226.9	235.0
147.5°	290.1	277.1	264.0	252.3	243.3	235.8	230.9	230.1	230.9	235.8	243.3
150°	291.4	279.4	266.7	256.9	248.8	241.4	237.3	236.2	237.3	241.4	248.8
152.5°	292.4	281.7	269.9	261.1	253.5	246.9	243.3	242.7	243.3	246.9	253.5
155°	293.2	284.0	274.2	266.1	260.3	254.6	251.2	251.2	251.2	254.6	260.3
157.5°	293.8	286.0	277.5	271.5	266.4	261.5	258.6	258.7	258.6	261.5	266.4
160°	293.8	286.9	279.4	274.2	269.6	265.6	263.3	263.9	263.3	265.6	269.6
162.5°	293.4	287.8	281.2	277.0	273.3	269.7	267.4	268.0	267.4	269.7	273.3
165°	292.7	288.0	283.5	279.9	277.6	274.8	273.1	274.2	273.1	274.8	277.6
167.5°	291.2	288.0	284.2	282.1	280.4	278.8	277.8	278.3	277.8	278.8	280.4
170°	290.3	288.0	285.2	283.5	282.3	281.1	280.5	281.1	280.5	281.1	282.3
172.5°	289.4	287.6	285.2	284.4	283.7	282.5	282.0	283.0	282.0	282.5	283.7
175°	288.0	286.9	285.2	285.2	285.2	284.6	284.0	285.2	284.0	284.6	285.2
177.5°	286.6	286.2	285.3	285.3	285.7	285.3	285.3	286.2	285.3	285.3	285.7
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1214.1	1209.4	1205.7	1197.3	1192.7	1186.4	1181.3	1186.8	1180.9	1183.5	1179.6
5°	1176.2	1161.5	1151.0	1135.8	1122.7	1110.6	1101.8	1100.1	1095.9	1093.9	1087.5
7.5°	1130.6	1112.3	1094.3	1074.4	1057.5	1040.5	1029.6	1020.6	1014.6	1006.7	1001.4
10°	1103.8	1079.1	1058.2	1034.1	1013.1	994.7	980.1	972.7	965.9	955.9	952.3
12.5°	1070.7	1045.2	1019.6	993.8	973.7	953.2	940.6	929.5	924.8	913.5	912.4
15°	1031.0	992.7	967.5	941.3	913.4	896.7	886.2	874.1	868.9	861.0	855.3
17.5°	983.5	949.4	917.9	890.7	866.9	852.7	839.7	831.4	822.4	817.3	807.9
20°	949.2	916.7	885.1	856.3	838.0	821.7	811.2	803.3	794.0	791.3	781.8
22.5°	920.2	884.3	854.1	829.9	809.8	791.5	780.1	774.9	768.3	760.2	758.3
25°	873.1	835.9	810.2	786.1	768.2	751.4	743.6	736.8	730.4	724.7	722.6
27.5°	832.4	799.1	768.6	746.8	731.3	716.0	709.0	700.7	696.2	691.6	685.9
30°	803.9	769.8	743.1	722.1	705.3	691.7	684.3	678.5	674.4	670.1	667.0
32.5°	774.5	743.0	717.0	696.5	679.7	669.4	662.9	658.8	654.2	649.1	645.2
35°	735.7	701.0	675.9	658.1	645.0	637.1	629.8	626.1	620.9	620.9	616.6
37.5°	692.0	662.1	639.9	623.6	611.9	604.8	596.8	594.3	591.0	588.8	587.3
40°	666.0	638.1	617.2	601.0	588.3	582.6	576.3	572.1	570.0	567.3	566.3
42.5°	639.1	612.6	592.5	577.4	566.5	561.6	555.7	552.8	548.6	545.1	544.5
45°	598.3	572.6	554.3	542.2	532.8	527.0	523.3	517.1	514.9	510.8	510.2
47.5°	559.6	534.9	516.9	507.1	498.8	494.0	488.3	482.0	479.6	477.5	477.3
50°	530.7	508.2	491.3	481.9	474.0	467.3	461.4	457.3	455.7	455.7	456.8
52.5°	501.3	482.1	467.9	456.4	448.9	441.6	436.3	433.7	431.3	433.8	435.8
55°	458.3	438.9	428.4	417.4	410.1	401.6	399.1	398.0	396.5	400.6	402.7
57.5°	412.8	399.2	386.9	376.0	369.4	364.6	361.0	360.3	363.2	365.3	372.1
60°	383.8	368.1	357.1	348.7	340.8	337.7	336.7	335.6	337.7	343.5	352.3
62.5°	351.9	339.2	327.3	321.0	315.3	310.0	309.8	310.4	314.7	321.2	330.1
65°	305.2	294.2	286.3	278.9	274.3	271.1	272.2	274.3	278.9	287.9	297.8
67.5°	257.7	250.1	243.1	237.1	232.6	232.6	233.7	236.8	242.4	252.7	261.8
70°	227.0	218.6	212.9	210.3	206.6	204.5	207.6	212.9	217.6	227.0	234.9
72.5°	196.4	189.3	184.8	183.0	181.5	179.8	180.8	186.4	192.9	202.3	211.5
75°	151.0	148.3	145.2	143.2	141.6	142.6	143.7	149.0	154.2	164.1	174.6
77.5°	110.2	107.4	105.6	105.1	104.2	104.7	107.8	111.6	116.7	124.0	131.9
80°	83.4	82.3	81.3	80.8	80.8	81.3	85.4	88.1	92.8	99.7	105.9
82.5°	60.7	60.1	59.9	59.8	60.2	60.3	62.8	66.2	70.2	75.3	80.8
85°	32.0	30.9	32.5	33.0	32.0	33.5	34.6	36.7	38.3	40.9	43.5
87.5°	11.4	12.5	12.2	12.8	12.9	14.0	13.7	15.5	16.5	17.4	17.2
90°	4.6	5.8	6.4	7.5	8.1	9.2	9.8	10.4	10.9	11.5	12.6
92.5°	30.4	47.3	78.7	131.5	188.7	185.7	150.4	102.1	74.1	55.7	47.3
95°	43.2	69.2	130.8	257.5	416.5	510.4	499.5	414.1	326.6	255.8	207.4
97.5°	53.2	71.9	112.7	205.5	371.9	545.0	632.0	616.8	555.4	486.5	419.1
100°	61.1	78.4	111.8	186.6	331.8	520.2	664.2	708.5	680.3	621.0	561.1
102.5°	69.4	86.1	115.9	178.8	301.3	476.4	644.8	739.4	756.8	728.3	687.8
105°	82.9	99.1	124.4	175.7	271.9	417.7	583.0	721.2	800.1	825.5	819.1
107.5°	98.1	112.6	137.1	181.0	259.4	377.2	519.9	656.2	761.5	826.7	856.7
110°	107.8	122.7	146.3	186.0	255.8	358.3	483.9	608.3	717.8	799.0	848.0



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	117.9	132.4	155.1	192.5	255.8	347.3	457.2	570.6	674.5	756.6	814.4
115°	133.1	147.4	168.7	202.2	257.5	335.3	428.0	523.0	612.4	691.3	754.1
117.5°	148.8	162.7	182.9	213.3	261.3	329.4	410.6	492.4	569.4	637.3	695.0
120°	158.4	172.8	193.0	220.7	265.0	326.6	400.9	475.8	544.9	608.3	659.0
122.5°	168.1	182.5	202.7	228.9	268.2	324.4	392.6	463.4	527.5	583.9	631.4
125°	181.5	196.4	215.4	240.2	273.7	321.4	381.3	445.2	504.0	554.2	595.6
127.5°	194.5	209.4	227.7	250.5	279.7	320.0	371.0	426.9	481.7	528.5	567.3
130°	202.8	217.7	235.6	257.5	283.5	319.1	364.1	415.4	466.1	511.0	548.4
132.5°	210.2	225.1	243.0	263.5	287.6	319.1	358.5	403.8	451.3	492.1	528.2
135°	219.4	235.0	252.9	271.9	293.2	319.1	351.9	388.8	428.6	465.4	498.3
137.5°	227.6	243.7	259.9	278.1	298.4	319.8	346.1	376.2	408.3	439.0	466.9
140°	232.8	248.3	265.0	282.3	300.7	320.3	343.4	369.2	396.4	422.8	447.1
142.5°	237.8	252.5	268.2	284.6	302.1	320.7	341.0	363.2	386.2	409.0	430.0
145°	245.4	258.6	273.7	288.0	303.6	320.3	337.6	355.5	373.2	391.1	406.7
147.5°	252.3	264.0	277.1	290.1	304.2	318.8	334.0	348.1	362.5	376.3	388.0
150°	256.9	266.7	279.4	291.4	304.2	317.4	331.2	343.9	356.6	367.5	377.9
152.5°	261.1	269.9	281.7	292.4	303.7	315.6	328.0	339.3	350.6	360.6	368.7
155°	266.1	274.2	284.0	293.2	302.5	312.3	322.6	332.3	341.6	349.6	356.0
157.5°	271.5	277.5	286.0	293.8	300.9	308.7	317.5	325.5	333.1	339.3	344.3
160°	274.2	279.4	286.9	293.8	299.5	306.5	313.4	320.8	326.6	332.3	336.4
162.5°	277.0	281.2	287.8	293.4	298.2	303.7	309.7	315.8	321.1	325.9	329.5
165°	279.9	283.5	288.0	292.7	296.1	299.5	304.2	308.7	312.8	316.3	319.1
167.5°	282.1	284.2	288.0	291.2	292.9	295.5	298.7	302.1	304.8	307.4	309.4
170°	283.5	285.2	288.0	290.3	291.4	293.2	295.5	298.4	300.1	301.8	303.0
172.5°	284.4	285.2	287.6	289.4	289.6	290.4	292.3	294.3	296.0	297.2	297.9
175°	285.2	285.2	286.9	288.0	287.4	287.4	288.0	289.7	289.7	290.9	290.9
177.5°	285.3	285.3	286.2	286.6	285.7	285.7	286.2	286.6	287.1	287.1	287.1
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1177.1	1180.0	1177.5	1180.9	1177.5	1180.0	1177.1	1179.6	1183.5	1180.9	1186.8
5°	1084.9	1080.3	1083.4	1081.3	1083.4	1080.3	1084.9	1087.5	1093.9	1095.9	1100.1
7.5°	999.8	995.2	990.2	987.7	990.2	995.2	999.8	1001.4	1006.7	1014.6	1020.6
10°	946.5	940.7	940.2	936.5	940.2	940.7	946.5	952.3	955.9	965.9	972.7
12.5°	907.5	902.1	896.2	894.6	896.2	902.1	907.5	912.4	913.5	924.8	929.5
15°	852.1	847.9	844.2	847.4	844.2	847.9	852.1	855.3	861.0	868.9	874.1
17.5°	806.1	802.6	801.9	798.1	801.9	802.6	806.1	807.9	817.3	822.4	831.4
20°	777.1	774.5	775.6	768.7	775.6	774.5	777.1	781.8	791.3	794.0	803.3
22.5°	754.1	748.9	748.3	746.9	748.3	748.9	754.1	758.3	760.2	768.3	774.9
25°	717.9	715.3	712.7	715.3	712.7	715.3	717.9	722.6	724.7	730.4	736.8
27.5°	686.3	683.2	682.5	682.8	682.5	683.2	686.3	685.9	691.6	696.2	700.7
30°	667.0	661.8	662.3	661.8	662.3	661.8	667.0	667.0	670.1	674.4	678.5
32.5°	646.0	642.5	641.8	640.8	641.8	642.5	646.0	645.2	649.1	654.2	658.8
35°	615.1	615.1	612.5	612.5	612.5	615.1	615.1	616.6	620.9	620.9	626.1
37.5°	586.0	585.5	583.9	584.2	583.9	585.5	586.0	587.3	588.8	591.0	594.3
40°	564.2	563.7	562.1	559.0	562.1	563.7	564.2	566.3	567.3	570.0	572.1
42.5°	543.2	541.5	540.8	539.7	540.8	541.5	543.2	544.5	545.1	548.6	552.8
45°	510.2	510.2	509.2	508.7	509.2	510.2	510.2	510.2	510.8	514.9	517.1
47.5°	478.2	479.1	481.1	480.8	481.1	479.1	478.2	477.3	477.5	479.6	482.0
50°	458.8	459.4	460.9	461.4	460.9	459.4	458.8	456.8	455.7	455.7	457.3
52.5°	437.5	440.5	442.4	442.1	442.4	440.5	437.5	435.8	433.8	431.3	433.7
55°	407.5	411.1	414.8	415.4	414.8	411.1	407.5	402.7	400.6	396.5	398.0
57.5°	377.8	382.9	386.8	388.0	386.8	382.9	377.8	372.1	365.3	363.2	360.3
60°	357.6	364.5	369.2	371.2	369.2	364.5	357.6	352.3	343.5	337.7	335.6
62.5°	338.3	346.0	350.7	351.1	350.7	346.0	338.3	330.1	321.2	314.7	310.4
65°	306.8	314.7	318.8	321.9	318.8	314.7	306.8	297.8	287.9	278.9	274.3
67.5°	272.8	280.6	285.3	287.8	285.3	280.6	272.8	261.8	252.7	242.4	236.8
70°	248.0	255.9	262.2	264.3	262.2	255.9	248.0	234.9	227.0	217.6	212.9
72.5°	223.7	230.8	235.8	238.2	235.8	230.8	223.7	211.5	202.3	192.9	186.4
75°	181.5	190.9	195.6	198.2	195.6	190.9	181.5	174.6	164.1	154.2	149.0
77.5°	139.9	148.6	151.4	152.7	151.4	148.6	139.9	131.9	124.0	116.7	111.6
80°	112.2	117.4	121.1	121.7	121.1	117.4	112.2	105.9	99.7	92.8	88.1
82.5°	86.2	90.6	91.8	93.1	91.8	90.6	86.2	80.8	75.3	70.2	66.2
85°	47.2	49.3	49.8	49.3	49.8	49.3	47.2	43.5	40.9	38.3	36.7
87.5°	18.1	17.7	17.8	18.6	17.8	17.7	18.1	17.2	17.4	16.5	15.5
90°	12.6	12.6	13.2	13.2	13.2	12.6	12.6	12.6	11.5	10.9	10.4
92.5°	39.9	38.5	37.7	36.8	37.7	38.5	39.9	47.3	55.7	74.1	102.1
95°	166.5	149.2	144.6	135.4	144.6	149.2	166.5	207.4	255.8	326.6	414.1
97.5°	383.5	351.2	334.6	327.2	334.6	351.2	383.5	419.1	486.5	555.4	616.8
100°	521.3	479.9	458.6	449.3	458.6	479.9	521.3	561.1	621.0	680.3	708.5
102.5°	645.3	615.8	592.7	585.7	592.7	615.8	645.3	687.8	728.3	756.8	739.4
105°	800.7	781.7	770.2	763.3	770.2	781.7	800.7	819.1	825.5	800.1	721.2
107.5°	866.1	866.0	862.1	857.5	862.1	866.0	866.1	856.7	826.7	761.5	656.2
110°	873.8	884.8	888.9	888.9	888.9	884.8	873.8	848.0	799.0	717.8	608.3



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	852.2	871.0	881.0	885.1	881.0	871.0	852.2	814.4	756.6	674.5	570.6
115°	799.0	826.7	842.7	850.3	842.7	826.7	799.0	754.1	691.3	612.4	523.0
117.5°	739.9	768.5	784.5	789.1	784.5	768.5	739.9	695.0	637.3	569.4	492.4
120°	701.7	729.3	744.9	749.4	744.9	729.3	701.7	659.0	608.3	544.9	475.8
122.5°	669.3	694.7	710.2	714.4	710.2	694.7	669.3	631.4	583.9	527.5	463.4
125°	627.9	651.6	664.2	669.9	664.2	651.6	627.9	595.6	554.2	504.0	445.2
127.5°	596.5	617.4	629.3	632.0	629.3	617.4	596.5	567.3	528.5	481.7	426.9
130°	577.2	596.2	607.7	611.2	607.7	596.2	577.2	548.4	511.0	466.1	415.4
132.5°	556.9	575.9	586.5	590.5	586.5	575.9	556.9	528.2	492.1	451.3	403.8
135°	523.6	542.6	553.0	556.4	553.0	542.6	523.6	498.3	465.4	428.6	388.8
137.5°	489.5	506.9	516.3	520.2	516.3	506.9	489.5	466.9	439.0	408.3	376.2
140°	468.4	483.3	491.9	494.8	491.9	483.3	468.4	447.1	422.8	396.4	369.2
142.5°	448.1	460.7	468.9	471.3	468.9	460.7	448.1	430.0	409.0	386.2	363.2
145°	420.5	430.3	436.7	439.0	436.7	430.3	420.5	406.7	391.1	373.2	355.5
147.5°	399.0	406.8	410.5	411.5	410.5	406.8	399.0	388.0	376.3	362.5	348.1
150°	386.6	393.4	395.8	396.4	395.8	393.4	386.6	377.9	367.5	356.6	343.9
152.5°	376.0	381.4	383.7	384.4	383.7	381.4	376.0	368.7	360.6	350.6	339.3
155°	361.7	365.8	367.5	368.1	367.5	365.8	361.7	356.0	349.6	341.6	332.3
157.5°	348.7	352.0	353.7	353.6	353.7	352.0	348.7	344.3	339.3	333.1	325.5
160°	340.4	343.4	344.5	343.9	344.5	343.4	340.4	336.4	332.3	326.6	320.8
162.5°	332.6	335.1	335.3	335.2	335.3	335.1	332.6	329.5	325.9	321.1	315.8
165°	321.4	322.6	322.6	322.6	322.6	322.6	321.4	319.1	316.3	312.8	308.7
167.5°	310.6	311.6	311.1	311.0	311.1	311.6	310.6	309.4	307.4	304.8	302.1
170°	304.2	304.8	304.8	304.2	304.8	304.8	304.2	303.0	301.8	300.1	298.4
172.5°	298.2	299.2	298.3	297.7	298.3	299.2	298.2	297.9	297.2	296.0	294.3
175°	290.9	291.4	290.3	289.7	290.3	291.4	290.9	290.9	290.9	289.7	289.7
177.5°	286.6	287.1	285.7	285.7	285.7	287.1	286.6	287.1	287.1	287.1	286.6
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1181.3	1186.4	1192.7	1197.3	1205.7	1209.4	1214.1	1217.8	1224.6	1230.8	1238.4
5°	1101.8	1110.6	1122.7	1135.8	1151.0	1161.5	1176.2	1185.1	1203.0	1219.2	1234.9
7.5°	1029.6	1040.5	1057.5	1074.4	1094.3	1112.3	1130.6	1151.0	1173.8	1200.6	1222.8
10°	980.1	994.7	1013.1	1034.1	1058.2	1079.1	1103.8	1125.8	1153.7	1185.1	1214.5
12.5°	940.6	953.2	973.7	993.8	1019.6	1045.2	1070.7	1099.8	1132.3	1167.1	1204.0
15°	886.2	896.7	913.4	941.3	967.5	992.7	1031.0	1058.2	1099.1	1137.9	1182.5
17.5°	839.7	852.7	866.9	890.7	917.9	949.4	983.5	1017.7	1057.1	1106.3	1156.6
20°	811.2	821.7	838.0	856.3	885.1	916.7	949.2	983.7	1032.0	1082.9	1136.8
22.5°	780.1	791.5	809.8	829.9	854.1	884.3	920.2	958.2	1008.5	1058.5	1117.1
25°	743.6	751.4	768.2	786.1	810.2	835.9	873.1	915.0	964.8	1022.0	1081.8
27.5°	709.0	716.0	731.3	746.8	768.6	799.1	832.4	874.7	921.7	979.7	1045.9
30°	684.3	691.7	705.3	722.1	743.1	769.8	803.9	843.7	894.0	950.7	1020.0
32.5°	662.9	669.4	679.7	696.5	717.0	743.0	774.5	815.2	865.6	923.0	991.0
35°	629.8	637.1	645.0	658.1	675.9	701.0	735.7	774.0	822.2	877.8	940.2
37.5°	596.8	604.8	611.9	623.6	639.9	662.1	692.0	731.8	775.5	829.0	888.9
40°	576.3	582.6	588.3	601.0	617.2	638.1	666.0	701.7	747.8	797.6	847.4
42.5°	555.7	561.6	566.5	577.4	592.5	612.6	639.1	673.9	716.7	763.2	807.1
45°	523.3	527.0	532.8	542.2	554.3	572.6	598.3	629.2	665.4	709.5	742.6
47.5°	488.3	494.0	498.8	507.1	516.9	534.9	559.6	585.9	618.7	651.5	674.8
50°	461.4	467.3	474.0	481.9	491.3	508.2	530.7	557.4	585.2	610.4	630.3
52.5°	436.3	441.6	448.9	456.4	467.9	482.1	501.3	525.1	552.5	570.6	587.1
55°	399.1	401.6	410.1	417.4	428.4	438.9	458.3	479.3	496.0	509.7	523.3
57.5°	361.0	364.6	369.4	376.0	386.9	399.2	412.8	431.3	441.2	448.3	458.8
60°	336.7	337.7	340.8	348.7	357.1	368.1	383.8	397.0	404.2	410.1	419.0
62.5°	309.8	310.0	315.3	321.0	327.3	339.2	351.9	362.5	368.6	371.4	380.0
65°	272.2	271.1	274.3	278.9	286.3	294.2	305.2	314.7	314.1	317.2	322.4
67.5°	233.7	232.6	232.6	237.1	243.1	250.1	257.7	263.2	263.3	267.4	270.0
70°	207.6	204.5	206.6	210.3	212.9	218.6	227.0	229.1	229.6	231.8	234.4
72.5°	180.8	179.8	181.5	183.0	184.8	189.3	196.4	197.7	197.8	199.0	203.4
75°	143.7	142.6	141.6	143.2	145.2	148.3	151.0	153.1	152.6	153.1	156.2
77.5°	107.8	104.7	104.2	105.1	105.6	107.4	110.2	110.0	110.6	110.5	114.0
80°	85.4	81.3	80.8	80.8	81.3	82.3	83.4	84.4	82.8	84.4	85.4
82.5°	62.8	60.3	60.2	59.8	59.9	60.1	60.7	61.4	61.0	61.8	62.4
85°	34.6	33.5	32.0	33.0	32.5	30.9	32.0	30.4	29.9	30.4	30.9
87.5°	13.7	14.0	12.9	12.8	12.2	12.5	11.4	10.8	10.1	10.3	11.4
90°	9.8	9.2	8.1	7.5	6.4	5.8	4.6	3.4	2.3	1.1	0.6
92.5°	150.4	185.7	188.7	131.5	78.7	47.3	30.4	20.5	13.3	8.5	7.1
95°	499.5	510.4	416.5	257.5	130.8	69.2	43.2	30.5	24.2	19.6	19.0
97.5°	632.0	545.0	371.9	205.5	112.7	71.9	53.2	41.8	35.4	32.2	31.6
100°	664.2	520.2	331.8	186.6	111.8	78.4	61.1	50.1	43.8	41.5	40.3
102.5°	644.8	476.4	301.3	178.8	115.9	86.1	69.4	59.4	52.5	50.7	50.0
105°	583.0	417.7	271.9	175.7	124.4	99.1	82.9	73.7	68.0	65.1	65.1
107.5°	519.9	377.2	259.4	181.0	137.1	112.6	98.1	88.5	83.7	81.0	79.9
110°	483.9	358.3	255.8	186.0	146.3	122.7	107.8	99.1	93.9	91.6	90.5



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	457.2	347.3	255.8	192.5	155.1	132.4	117.9	109.3	104.0	102.2	101.1
115°	428.0	335.3	257.5	202.2	168.7	147.4	133.1	124.4	119.3	117.5	116.3
117.5°	410.6	329.4	261.3	213.3	182.9	162.7	148.8	139.0	133.8	131.9	130.2
120°	400.9	326.6	265.0	220.7	193.0	172.8	158.4	148.7	143.4	141.2	139.4
122.5°	392.6	324.4	268.2	228.9	202.7	182.5	168.1	157.3	152.2	150.4	149.1
125°	381.3	321.4	273.7	240.2	215.4	196.4	181.5	170.5	165.3	162.5	161.3
127.5°	371.0	320.0	279.7	250.5	227.7	209.4	194.5	182.9	176.3	172.6	170.9
130°	364.1	319.1	283.5	257.5	235.6	217.7	202.8	190.7	183.2	178.5	176.8
132.5°	358.5	319.1	287.6	263.5	243.0	225.1	210.2	197.6	189.1	183.7	181.5
135°	351.9	319.1	293.2	271.9	252.9	235.0	219.4	207.4	198.1	191.3	188.9
137.5°	346.1	319.8	298.4	278.1	259.9	243.7	227.6	215.8	206.6	200.2	198.4
140°	343.4	320.3	300.7	282.3	265.0	248.3	232.8	221.8	212.6	205.6	203.9
142.5°	341.0	320.7	302.1	284.6	268.2	252.5	237.8	227.3	218.1	211.7	210.4
145°	337.6	320.3	303.6	288.0	273.7	258.6	245.4	235.0	226.9	221.2	220.0
147.5°	334.0	318.8	304.2	290.1	277.1	264.0	252.3	243.3	235.8	230.9	230.1
150°	331.2	317.4	304.2	291.4	279.4	266.7	256.9	248.8	241.4	237.3	236.2
152.5°	328.0	315.6	303.7	292.4	281.7	269.9	261.1	253.5	246.9	243.3	242.7
155°	322.6	312.3	302.5	293.2	284.0	274.2	266.1	260.3	254.6	251.2	251.2
157.5°	317.5	308.7	300.9	293.8	286.0	277.5	271.5	266.4	261.5	258.6	258.7
160°	313.4	306.5	299.5	293.8	286.9	279.4	274.2	269.6	265.6	263.3	263.9
162.5°	309.7	303.7	298.2	293.4	287.8	281.2	277.0	273.3	269.7	267.4	268.0
165°	304.2	299.5	296.1	292.7	288.0	283.5	279.9	277.6	274.8	273.1	274.2
167.5°	298.7	295.5	292.9	291.2	288.0	284.2	282.1	280.4	278.8	277.8	278.3
170°	295.5	293.2	291.4	290.3	288.0	285.2	283.5	282.3	281.1	280.5	281.1
172.5°	292.3	290.4	289.6	289.4	287.6	285.2	284.4	283.7	282.5	282.0	283.0
175°	288.0	287.4	287.4	288.0	286.9	285.2	285.2	285.2	284.6	284.0	285.2
177.5°	286.2	285.7	285.7	286.6	286.2	285.3	285.3	285.7	285.3	285.3	286.2
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1242.1	1248.0	1251.8	1258.9	1264.8	1268.2	1271.1	1273.6	1276.6	1279.1	1286.2
5°	1250.1	1263.7	1275.3	1293.1	1309.4	1321.9	1335.5	1347.7	1357.7	1371.8	1382.8
7.5°	1246.7	1270.9	1296.3	1323.8	1352.0	1378.3	1402.4	1424.9	1445.4	1470.2	1491.9
10°	1243.3	1276.4	1308.9	1346.0	1384.3	1416.8	1447.2	1478.2	1500.8	1532.3	1558.9
12.5°	1240.8	1279.7	1318.9	1363.7	1405.7	1451.7	1492.2	1514.7	1549.0	1574.2	1606.0
15°	1230.2	1281.6	1335.5	1385.9	1445.7	1488.1	1523.9	1567.9	1599.8	1631.8	1666.5
17.5°	1211.2	1269.4	1329.8	1395.8	1453.2	1498.7	1544.7	1587.2	1625.4	1668.3	1711.3
20°	1202.4	1260.6	1329.8	1397.5	1453.6	1501.3	1548.5	1595.2	1637.1	1692.1	1742.0
22.5°	1184.0	1254.4	1318.1	1384.0	1441.8	1493.8	1547.2	1600.2	1656.0	1718.2	1780.6
25°	1151.0	1222.3	1290.0	1355.0	1413.2	1478.2	1535.4	1606.2	1677.5	1759.8	1837.4
27.5°	1116.8	1185.1	1247.1	1309.9	1377.8	1451.4	1525.5	1605.9	1699.2	1803.1	1912.6
30°	1089.1	1153.7	1214.0	1278.4	1349.2	1432.1	1513.4	1608.8	1716.8	1833.7	1963.8
32.5°	1056.8	1116.3	1174.9	1243.2	1320.3	1407.8	1502.5	1607.1	1737.0	1869.9	2003.7
35°	1001.6	1051.4	1111.7	1184.6	1271.6	1371.8	1481.4	1605.1	1754.0	1906.6	2019.4
37.5°	936.0	982.4	1045.9	1125.8	1217.1	1324.5	1454.6	1601.4	1759.6	1881.3	1917.6
40°	892.0	934.9	1001.1	1083.9	1177.2	1291.0	1433.6	1588.8	1742.0	1819.6	1789.7
42.5°	845.0	890.1	954.4	1036.5	1137.0	1260.8	1407.2	1562.5	1690.8	1720.2	1616.9
45°	770.8	817.5	880.9	963.8	1071.9	1206.1	1358.7	1499.8	1573.7	1520.7	1360.8
47.5°	702.0	745.7	804.5	890.0	1001.5	1140.3	1287.3	1399.8	1405.6	1279.3	1108.4
50°	655.0	695.3	754.6	840.0	950.7	1091.3	1223.9	1312.5	1272.6	1129.5	965.3
52.5°	608.8	648.3	706.8	791.4	900.8	1029.6	1153.0	1215.2	1140.1	993.2	852.9
55°	542.2	576.8	634.0	712.1	816.0	935.5	1040.4	1061.9	964.3	819.6	705.8
57.5°	477.2	509.5	561.5	633.5	728.3	834.2	916.3	911.7	808.6	684.4	594.1
60°	433.1	464.6	510.8	581.0	667.5	758.8	829.0	812.2	710.0	603.0	527.0
62.5°	393.7	421.8	465.4	526.8	605.8	690.4	748.1	723.4	623.2	529.6	469.5
65°	335.6	359.2	396.5	448.9	514.4	584.2	628.7	596.7	511.3	438.4	390.1
67.5°	280.1	299.0	330.2	372.1	428.0	484.0	511.2	479.0	410.6	357.4	321.6
70°	244.9	261.7	285.8	323.1	371.8	419.0	439.4	410.6	351.8	306.2	280.5
72.5°	209.6	223.5	244.7	278.1	317.2	358.2	376.1	348.5	300.2	261.8	237.7
75°	162.1	171.5	186.1	209.2	240.1	272.7	282.7	258.5	227.6	198.7	183.0
77.5°	116.0	124.0	135.1	149.7	171.6	192.3	201.0	187.0	163.1	144.8	131.9
80°	89.2	93.3	102.8	114.8	132.2	145.2	151.0	142.1	125.3	111.7	101.7
82.5°	63.5	67.8	73.4	83.4	94.4	103.3	109.5	103.5	91.4	80.7	74.8
85°	30.9	33.5	36.7	40.9	49.3	54.5	54.0	50.3	45.6	41.4	38.3
87.5°	11.1	11.8	13.2	15.7	17.1	18.9	20.0	19.2	17.8	16.7	15.5
90°	1.1	2.3	3.4	4.6	5.8	6.4	7.5	8.1	9.2	9.8	10.4
92.5°	8.5	13.3	20.5	30.4	47.3	78.7	131.5	188.7	185.7	150.4	102.1
95°	19.6	24.2	30.5	43.2	69.2	130.8	257.5	416.5	510.4	499.5	414.1
97.5°	32.2	35.4	41.8	53.2	71.9	112.7	205.5	371.9	545.0	632.0	616.8
100°	41.5	43.8	50.1	61.1	78.4	111.8	186.6	331.8	520.2	664.2	708.5
102.5°	50.7	52.5	59.4	69.4	86.1	115.9	178.8	301.3	476.4	644.8	739.4
105°	65.1	68.0	73.7	82.9	99.1	124.4	175.7	271.9	417.7	583.0	721.2
107.5°	81.0	83.7	88.5	98.1	112.6	137.1	181.0	259.4	377.2	519.9	656.2
110°	91.6	93.9	99.1	107.8	122.7	146.3	186.0	255.8	358.3	483.9	608.3





TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	102.2	104.0	109.3	117.9	132.4	155.1	192.5	255.8	347.3	457.2	570.6
115°	117.5	119.3	124.4	133.1	147.4	168.7	202.2	257.5	335.3	428.0	523.0
117.5°	131.9	133.8	139.0	148.8	162.7	182.9	213.3	261.3	329.4	410.6	492.4
120°	141.2	143.4	148.7	158.4	172.8	193.0	220.7	265.0	326.6	400.9	475.8
122.5°	150.4	152.2	157.3	168.1	182.5	202.7	228.9	268.2	324.4	392.6	463.4
125°	162.5	165.3	170.5	181.5	196.4	215.4	240.2	273.7	321.4	381.3	445.2
127.5°	172.6	176.3	182.9	194.5	209.4	227.7	250.5	279.7	320.0	371.0	426.9
130°	178.5	183.2	190.7	202.8	217.7	235.6	257.5	283.5	319.1	364.1	415.4
132.5°	183.7	189.1	197.6	210.2	225.1	243.0	263.5	287.6	319.1	358.5	403.8
135°	191.3	198.1	207.4	219.4	235.0	252.9	271.9	293.2	319.1	351.9	388.8
137.5°	200.2	206.6	215.8	227.6	243.7	259.9	278.1	298.4	319.8	346.1	376.2
140°	205.6	212.6	221.8	232.8	248.3	265.0	282.3	300.7	320.3	343.4	369.2
142.5°	211.7	218.1	227.3	237.8	252.5	268.2	284.6	302.1	320.7	341.0	363.2
145°	221.2	226.9	235.0	245.4	258.6	273.7	288.0	303.6	320.3	337.6	355.5
147.5°	230.9	235.8	243.3	252.3	264.0	277.1	290.1	304.2	318.8	334.0	348.1
150°	237.3	241.4	248.8	256.9	266.7	279.4	291.4	304.2	317.4	331.2	343.9
152.5°	243.3	246.9	253.5	261.1	269.9	281.7	292.4	303.7	315.6	328.0	339.3
155°	251.2	254.6	260.3	266.1	274.2	284.0	293.2	302.5	312.3	322.6	332.3
157.5°	258.6	261.5	266.4	271.5	277.5	286.0	293.8	300.9	308.7	317.5	325.5
160°	263.3	265.6	269.6	274.2	279.4	286.9	293.8	299.5	306.5	313.4	320.8
162.5°	267.4	269.7	273.3	277.0	281.2	287.8	293.4	298.2	303.7	309.7	315.8
165°	273.1	274.8	277.6	279.9	283.5	288.0	292.7	296.1	299.5	304.2	308.7
167.5°	277.8	278.8	280.4	282.1	284.2	288.0	291.2	292.9	295.5	298.7	302.1
170°	280.5	281.1	282.3	283.5	285.2	288.0	290.3	291.4	293.2	295.5	298.4
172.5°	282.0	282.5	283.7	284.4	285.2	287.6	289.4	289.6	290.4	292.3	294.3
175°	284.0	284.6	285.2	285.2	285.2	286.9	288.0	287.4	287.4	288.0	289.7
177.5°	285.3	285.3	285.7	285.3	285.3	286.2	286.6	285.7	285.7	286.2	286.6
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1292.0	1295.5	1302.5	1300.0	1303.4	1305.0	1306.8
5°	1396.4	1413.2	1420.6	1419.5	1430.5	1427.8	1425.2
7.5°	1514.3	1532.0	1541.8	1554.1	1561.2	1561.7	1567.9
10°	1581.0	1604.1	1613.6	1626.6	1635.0	1639.7	1639.2
12.5°	1632.1	1650.2	1671.4	1677.8	1689.1	1695.1	1692.9
15°	1693.7	1722.6	1744.6	1755.7	1769.8	1773.9	1779.8
17.5°	1748.7	1787.4	1813.1	1847.2	1860.2	1868.0	1863.4
20°	1790.2	1841.1	1866.8	1907.7	1930.3	1942.3	1938.1
22.5°	1839.3	1894.4	1941.9	1977.3	2011.7	2027.9	2031.2
25°	1923.4	1998.9	2068.7	2115.4	2157.8	2167.8	2189.8
27.5°	2017.4	2106.5	2181.0	2230.1	2259.7	2270.8	2277.6
30°	2076.6	2165.2	2221.3	2252.7	2262.2	2261.1	2260.1
32.5°	2105.5	2161.0	2171.7	2162.9	2141.3	2123.1	2104.1
35°	2064.5	2023.1	1961.2	1881.5	1822.7	1763.5	1757.7
37.5°	1856.7	1724.2	1621.2	1506.2	1439.9	1398.9	1370.5
40°	1661.2	1510.8	1385.9	1288.9	1221.2	1194.6	1168.3
42.5°	1449.0	1305.1	1194.7	1113.6	1062.7	1033.0	1012.3
45°	1177.2	1050.4	963.8	905.0	864.7	841.6	828.5
47.5°	964.6	870.8	797.3	754.9	727.0	709.0	709.1
50°	850.5	760.8	712.1	678.5	654.4	640.3	642.9
52.5°	749.4	682.5	640.8	612.7	594.8	586.1	585.8
55°	626.6	578.3	551.1	530.7	518.6	508.7	510.8
57.5°	536.0	495.3	477.1	460.1	451.7	447.7	441.9
60°	479.8	448.4	432.6	419.0	410.6	407.5	401.6
62.5°	429.9	405.2	389.8	378.7	371.1	370.1	365.6
65°	361.3	342.4	328.8	323.6	315.7	313.6	313.6
67.5°	297.8	284.3	273.8	268.9	265.4	266.0	263.5
70°	258.0	247.0	240.1	234.9	232.3	232.8	230.8
72.5°	225.7	213.4	207.4	204.3	200.9	202.2	201.4
75°	171.0	164.6	161.5	158.3	156.2	155.2	154.2
77.5°	125.5	120.0	117.5	115.8	116.1	113.6	115.5
80°	97.0	92.3	90.7	88.1	87.6	87.6	87.1
82.5°	71.0	68.4	67.3	65.0	64.1	64.9	63.5
85°	36.7	34.6	34.1	34.1	33.0	32.0	34.6
87.5°	15.7	14.0	14.2	13.8	13.8	13.5	12.7
90°	10.9	11.5	12.6	12.6	12.6	13.2	13.2
92.5°	74.1	55.7	47.3	39.9	38.5	37.7	36.8
95°	326.6	255.8	207.4	166.5	149.2	144.6	135.4
97.5°	555.4	486.5	419.1	383.5	351.2	334.6	327.2
100°	680.3	621.0	561.1	521.3	479.9	458.6	449.3
102.5°	756.8	728.3	687.8	645.3	615.8	592.7	585.7
105°	800.1	825.5	819.1	800.7	781.7	770.2	763.3
107.5°	761.5	826.7	856.7	866.1	866.0	862.1	857.5
110°	717.8	799.0	848.0	873.8	884.8	888.9	888.9



TEST NUMBER: P333216-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	674.5	756.6	814.4	852.2	871.0	881.0	885.1
115°	612.4	691.3	754.1	799.0	826.7	842.7	850.3
117.5°	569.4	637.3	695.0	739.9	768.5	784.5	789.1
120°	544.9	608.3	659.0	701.7	729.3	744.9	749.4
122.5°	527.5	583.9	631.4	669.3	694.7	710.2	714.4
125°	504.0	554.2	595.6	627.9	651.6	664.2	669.9
127.5°	481.7	528.5	567.3	596.5	617.4	629.3	632.0
130°	466.1	511.0	548.4	577.2	596.2	607.7	611.2
132.5°	451.3	492.1	528.2	556.9	575.9	586.5	590.5
135°	428.6	465.4	498.3	523.6	542.6	553.0	556.4
137.5°	408.3	439.0	466.9	489.5	506.9	516.3	520.2
140°	396.4	422.8	447.1	468.4	483.3	491.9	494.8
142.5°	386.2	409.0	430.0	448.1	460.7	468.9	471.3
145°	373.2	391.1	406.7	420.5	430.3	436.7	439.0
147.5°	362.5	376.3	388.0	399.0	406.8	410.5	411.5
150°	356.6	367.5	377.9	386.6	393.4	395.8	396.4
152.5°	350.6	360.6	368.7	376.0	381.4	383.7	384.4
155°	341.6	349.6	356.0	361.7	365.8	367.5	368.1
157.5°	333.1	339.3	344.3	348.7	352.0	353.7	353.6
160°	326.6	332.3	336.4	340.4	343.4	344.5	343.9
162.5°	321.1	325.9	329.5	332.6	335.1	335.3	335.2
165°	312.8	316.3	319.1	321.4	322.6	322.6	322.6
167.5°	304.8	307.4	309.4	310.6	311.6	311.1	311.0
170°	300.1	301.8	303.0	304.2	304.8	304.8	304.2
172.5°	296.0	297.2	297.9	298.2	299.2	298.3	297.7
175°	289.7	290.9	290.9	290.9	291.4	290.3	289.7
177.5°	287.1	287.1	287.1	286.6	287.1	285.7	285.7
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7

(END OF REPORT)