

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1027013

Luminaire Tested: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027013
REPORT IS A COMBINATION OF REPORTS P1002552 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K
Description: Define 5 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

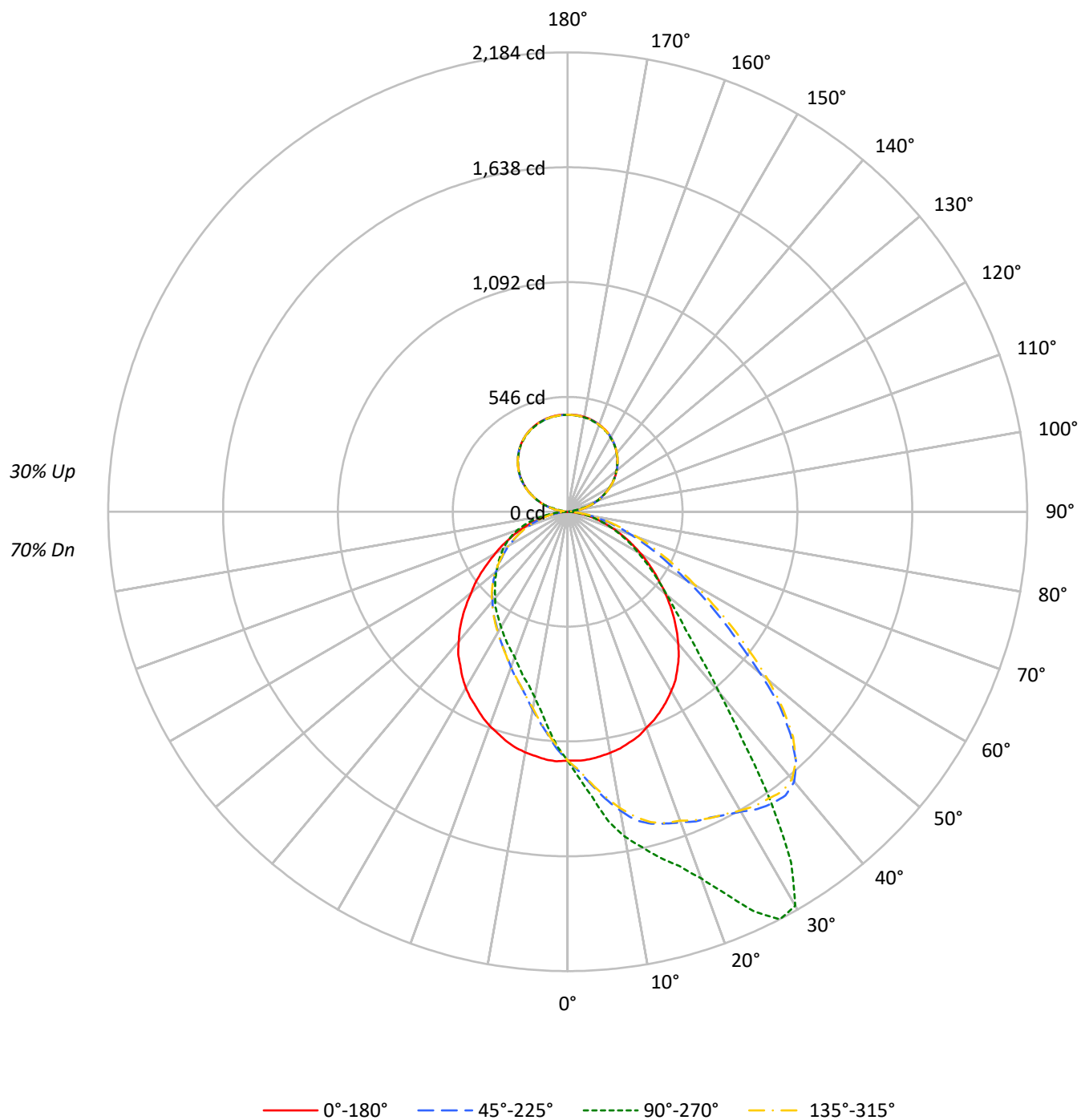
Lumens per Lamp: N/A
Luminaire Lumens: 4755.0 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 45.2
Input Voltage (V):
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75
1	103	98	94	91	97	93	90	87	84	81	79	75	73	71	67	65	64
2	94	86	80	75	88	82	76	72	74	69	66	66	63	60	59	56	54
3	86	76	69	63	81	72	66	60	65	60	55	59	54	51	52	49	46
4	79	68	60	53	74	64	57	51	58	52	48	52	48	44	47	43	40
5	72	60	52	46	68	58	50	44	52	46	41	47	42	38	42	38	35
6	67	54	46	40	63	52	44	39	47	41	36	43	38	34	39	34	31
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	35	31	28
8	57	45	37	31	54	43	36	30	39	33	29	36	30	27	32	28	25
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	22
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	28	23	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7577	7577	7577	7577
5°	7583	8596	7589	6521
10°	7536	9797	7523	5598
15°	7481	10622	7434	5057
20°	7387	11640	7319	4617
25°	7302	13337	7170	4356
30°	7182	14070	7057	4120
35°	6991	11279	6845	3931
40°	6694	7796	6595	3730
45°	6319	5804	6247	3563
50°	5888	4778	5791	3430
55°	5424	4075	5381	3314
60°	4969	3488	4882	3224
65°	4478	3013	4406	3093
70°	3960	2502	3907	2865
75°	3410	1935	3365	2487
80°	2692	1308	2595	1827
85°	1721	654	1664	932

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 11573 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	2.4
10°-20°	339.0	7.1
20°-30°	550.7	11.6
30°-40°	673.0	14.2
40°-50°	610.5	12.8
50°-60°	486.2	10.2
60°-70°	338.7	7.1
70°-80°	180.4	3.8
80°-90°	45.4	1.0
90°-100°	15.7	0.3
100°-110°	104.1	2.2
110°-120°	187.5	3.9
120°-130°	240.7	5.1
130°-140°	258.9	5.4
140°-150°	243.0	5.1
150°-160°	196.5	4.1
160°-170°	127.1	2.7
170°-180°	43.8	0.9
0°-30°	1003.5	21.1
0°-40°	1676.5	35.3
0°-60°	2773.2	58.3
0°-90°	3337.7	70.2
90°-120°	307.3	6.5
90°-150°	1049.8	22.1
90°-180°	1417.0	29.8
0°-180°	4755.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1183	1183	1183	1183	1183	
5°	1182	1364	1183	1035	1182	112
15°	1135	1704	1128	811	1135	320
25°	1045	2096	1026	685	1045	481
35°	910	1682	890	586	910	568
45°	715	793	707	487	715	551
55°	503	489	499	398	503	450
65°	311	300	306	308	311	309
75°	151	148	149	190	151	160
85°	30	33	29	47	30	36
90°	0	8	0	8	0	3
95°	20	7	20	7	20	24
105°	101	102	101	102	101	107
115°	189	187	189	187	189	187
125°	268	268	268	268	268	240
135°	335	334	335	334	335	258
145°	388	387	388	387	388	243
155°	428	424	428	424	428	197
165°	451	449	451	449	451	127
175°	461	459	461	459	461	44
180°	461	461	461	461	461	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1184.6	1191.6	1199.6	1205.6	1215.7	1218.7	1223.7	1226.7	1229.7	1232.7	1234.8
5°	1181.6	1198.6	1213.7	1224.7	1243.8	1250.8	1259.9	1270.9	1283.9	1295.0	1302.0
7.5°	1173.5	1200.6	1220.7	1242.8	1268.9	1286.0	1295.0	1318.1	1339.2	1355.2	1376.3
10°	1163.5	1195.6	1226.7	1259.9	1297.0	1316.1	1334.1	1366.3	1395.4	1421.5	1442.6
12.5°	1152.4	1191.6	1228.7	1271.9	1322.1	1345.2	1357.2	1412.4	1448.6	1462.6	1503.8
15°	1135.4	1181.6	1234.8	1288.0	1330.1	1357.2	1390.4	1434.5	1470.7	1501.8	1534.9
17.5°	1119.3	1169.5	1223.7	1282.9	1344.2	1379.3	1404.4	1443.6	1482.7	1522.9	1554.0
20°	1093.2	1158.5	1213.7	1276.9	1349.2	1374.3	1400.4	1446.6	1488.7	1531.9	1571.1
22.5°	1072.1	1134.4	1209.7	1269.9	1331.1	1356.2	1388.3	1436.5	1486.7	1535.9	1593.1
25°	1045.0	1114.3	1179.5	1243.8	1307.0	1334.1	1363.3	1425.5	1477.7	1540.9	1604.2
27.5°	1015.9	1087.2	1152.4	1210.7	1269.9	1307.0	1338.2	1403.4	1472.7	1541.9	1624.3
30°	984.8	1052.1	1114.3	1171.5	1236.8	1274.9	1306.0	1382.3	1459.6	1548.0	1646.3
32.5°	951.7	1014.9	1068.1	1126.3	1195.6	1230.7	1272.9	1356.2	1447.6	1553.0	1676.5
35°	909.5	969.7	1016.9	1076.1	1145.4	1190.6	1234.8	1328.1	1434.5	1552.0	1693.5
37.5°	867.3	914.5	959.7	1022.9	1103.2	1144.4	1190.6	1293.0	1414.4	1549.0	1700.6
40°	817.1	863.3	902.5	966.7	1051.0	1098.2	1146.4	1253.8	1391.4	1537.9	1675.5
42.5°	767.0	806.1	849.3	916.5	997.8	1048.0	1099.2	1218.7	1361.2	1505.8	1606.2
45°	714.8	744.9	792.1	853.3	939.6	987.8	1046.0	1175.5	1319.1	1447.6	1497.8
47.5°	660.5	690.7	734.8	794.1	879.4	936.6	991.8	1121.3	1265.9	1365.3	1365.3
50°	608.3	632.4	675.6	734.8	821.2	873.4	929.6	1067.1	1183.6	1256.8	1191.6
52.5°	552.1	579.2	615.4	677.6	762.9	810.1	871.4	988.8	1099.2	1129.4	1029.0
55°	502.9	525.0	559.2	618.4	697.7	746.9	799.1	911.5	1004.9	1002.9	895.4
57.5°	451.7	469.8	505.9	560.2	633.4	677.6	729.8	827.2	903.5	876.4	775.0
60°	404.6	417.6	452.7	496.9	567.2	608.3	658.5	737.8	796.1	757.9	655.5
62.5°	355.4	370.4	398.5	441.7	503.9	537.1	574.2	654.5	691.7	657.5	553.1
65°	311.2	323.2	348.3	384.5	440.7	470.8	502.9	569.2	604.3	555.1	468.8
67.5°	267.0	281.1	299.2	331.3	375.4	403.6	431.7	488.9	504.9	460.8	388.5
70°	225.9	237.9	255.0	278.1	315.2	340.3	361.4	408.6	419.6	378.5	321.2
72.5°	185.7	193.7	207.8	226.9	261.0	275.1	297.1	329.3	343.3	306.2	265.0
75°	150.6	156.6	165.6	179.7	202.8	217.8	235.9	266.0	265.0	238.9	209.8
77.5°	116.4	117.5	127.5	140.5	154.6	167.6	176.7	197.8	199.8	183.7	159.6
80°	83.3	86.3	90.3	100.4	112.4	117.5	128.5	141.5	143.6	131.5	115.4
82.5°	53.2	55.2	58.2	64.2	72.3	78.3	84.3	89.3	94.4	87.3	74.3
85°	30.1	31.1	34.1	36.1	40.2	43.2	48.2	53.2	52.2	47.2	43.2
87.5°	15.1	15.1	15.1	17.1	19.1	19.1	21.1	22.1	23.1	21.1	19.1
90°	0.3	0.9	1.5	2.2	2.8	3.1	3.4	3.9	4.4	5.0	5.5
92.5°	6.5	5.8	5.1	4.4	3.7	3.4	3.6	4.1	4.6	5.0	5.5
95°	19.5	19.3	19.1	18.8	18.6	18.5	17.1	14.2	11.3	8.4	5.5
97.5°	36.6	37.0	37.5	37.9	38.4	38.6	35.0	27.8	20.6	13.4	6.2
100°	57.1	57.3	57.5	57.8	58.0	58.1	58.3	58.6	58.9	59.2	59.5
102.5°	78.0	78.3	78.6	78.9	79.2	79.4	79.5	79.6	79.7	79.9	80.0
105°	100.6	100.9	101.2	101.5	101.8	101.9	101.9	101.9	101.9	101.9	101.9
107.5°	123.8	123.8	123.8	123.8	123.8	123.8	123.9	124.0	124.2	124.3	124.5
110°	146.4	146.4	146.4	146.4	146.4	146.4	146.5	146.6	146.8	146.9	147.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	167.6	167.8	168.0	168.3	168.5	168.6	168.6	168.7	168.8	168.9	169.0
115°	188.8	189.2	189.6	189.9	190.3	190.5	190.5	190.6	190.7	190.8	190.9
117.5°	211.0	211.0	211.0	211.0	211.0	211.0	211.2	211.5	211.8	212.1	212.4
120°	231.6	231.5	231.4	231.3	231.2	231.2	231.3	231.5	231.8	232.0	232.2
122.5°	249.7	250.1	250.5	250.8	251.2	251.4	251.4	251.5	251.6	251.6	251.7
125°	268.5	269.0	269.6	270.1	270.6	270.9	270.9	270.9	270.9	270.9	270.9
127.5°	286.6	287.0	287.4	287.7	288.1	288.3	288.3	288.2	288.1	288.1	288.0
130°	303.0	303.4	303.8	304.1	304.5	304.7	304.7	304.8	304.9	305.0	305.1
132.5°	319.5	319.9	320.4	320.8	321.3	321.5	321.4	321.2	320.9	320.7	320.5
135°	334.8	335.3	335.7	336.2	336.7	336.9	336.8	336.7	336.5	336.4	336.2
137.5°	349.2	349.7	350.1	350.6	351.1	351.3	351.2	351.1	350.9	350.8	350.6
140°	363.2	363.4	363.5	363.7	363.8	363.9	363.9	363.8	363.7	363.7	363.6
142.5°	375.9	376.0	376.0	376.1	376.2	376.2	376.3	376.4	376.6	376.7	376.9
145°	388.2	388.4	388.5	388.7	388.8	388.9	388.9	388.9	388.9	388.9	388.9
147.5°	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.2	399.3	399.4	399.5
150°	409.4	409.2	409.1	408.9	408.8	408.7	408.8	408.9	409.1	409.2	409.4
152.5°	419.3	418.9	418.5	418.2	417.8	417.6	417.7	417.8	418.0	418.1	418.3
155°	427.5	427.1	426.6	426.2	425.7	425.5	425.6	425.7	425.9	426.0	426.2
157.5°	434.0	433.8	433.6	433.3	433.1	433.0	433.0	433.0	433.0	433.0	433.0
160°	440.9	440.4	440.0	439.5	439.0	438.8	438.8	438.9	439.0	439.1	439.2
162.5°	446.3	445.9	445.4	445.0	444.5	444.3	444.3	444.4	444.5	444.5	444.6
165°	451.1	450.7	450.2	449.8	449.3	449.1	449.1	449.2	449.3	449.3	449.4
167.5°	454.9	454.4	454.0	453.5	453.0	452.8	452.8	452.9	453.0	453.1	453.2
170°	458.0	457.5	456.9	456.4	455.9	455.6	455.6	455.7	455.8	455.8	455.9
172.5°	460.0	459.5	458.9	458.4	457.9	457.6	457.7	457.8	458.0	458.1	458.3
175°	461.4	460.9	460.5	460.0	459.5	459.3	459.3	459.4	459.5	459.6	459.7
177.5°	462.4	462.0	461.5	461.1	460.6	460.4	460.4	460.5	460.6	460.6	460.7
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1236.8	1243.8	1249.8	1254.8	1258.8	1264.9	1260.9	1261.9	1263.9	1267.9	1267.9
5°	1317.1	1328.1	1334.1	1354.2	1359.2	1358.2	1355.2	1371.3	1370.3	1364.3	1363.3
7.5°	1395.4	1414.4	1431.5	1447.6	1452.6	1465.6	1468.7	1475.7	1473.7	1483.7	1478.7
10°	1466.6	1496.8	1512.8	1536.9	1542.9	1549.0	1557.0	1561.0	1570.0	1569.0	1569.0
12.5°	1521.9	1558.0	1579.1	1585.1	1608.2	1615.2	1622.2	1635.3	1632.3	1633.3	1639.3
15°	1565.0	1600.2	1618.2	1646.3	1662.4	1670.4	1682.5	1696.5	1694.5	1703.6	1701.6
17.5°	1597.2	1630.3	1663.4	1705.6	1706.6	1727.7	1755.8	1761.8	1774.8	1765.8	1765.8
20°	1623.3	1667.4	1714.6	1768.8	1774.8	1787.9	1822.0	1845.1	1860.2	1855.1	1858.2
22.5°	1651.4	1714.6	1769.8	1824.0	1853.1	1876.2	1909.4	1945.5	1958.5	1966.6	1964.6
25°	1687.5	1753.8	1835.1	1910.4	1940.5	1984.6	2028.8	2064.0	2074.0	2096.1	2076.0
27.5°	1724.6	1818.0	1919.4	2007.7	2045.9	2082.0	2135.2	2161.3	2174.4	2184.4	2177.4
30°	1755.8	1884.3	1994.7	2076.0	2103.1	2124.2	2154.3	2160.3	2155.3	2163.3	2173.4
32.5°	1803.9	1929.4	2022.8	2061.9	2058.9	2057.9	2034.8	2002.7	1995.7	1976.6	2002.7
35°	1830.0	1930.4	1966.6	1914.4	1893.3	1855.1	1781.9	1733.7	1691.5	1682.5	1684.5
37.5°	1815.0	1854.1	1811.0	1673.4	1639.3	1581.1	1483.7	1415.5	1384.3	1360.2	1391.4
40°	1733.7	1690.5	1572.1	1404.4	1355.2	1300.0	1208.7	1171.5	1127.3	1118.3	1159.5
42.5°	1599.2	1467.7	1300.0	1170.5	1119.3	1088.2	1011.9	976.8	945.6	931.6	954.7
45°	1416.5	1256.8	1088.2	981.8	938.6	901.5	856.3	819.2	799.1	793.1	812.1
47.5°	1227.7	1059.1	924.6	845.3	800.1	772.0	729.8	708.7	692.7	694.7	697.7
50°	1047.0	893.4	790.0	710.7	688.7	666.6	638.5	620.4	612.4	615.4	613.4
52.5°	891.4	767.0	679.6	618.4	608.3	587.3	564.2	549.1	546.1	547.1	550.1
55°	754.9	657.5	588.3	544.1	533.1	518.0	503.9	493.9	485.9	488.9	487.9
57.5°	651.5	566.2	513.0	476.8	468.8	459.8	446.7	441.7	438.7	432.7	437.7
60°	560.2	490.9	444.7	422.6	415.6	409.6	395.5	389.5	387.5	384.5	392.5
62.5°	473.8	424.6	389.5	369.4	362.4	356.4	349.3	344.3	345.3	341.3	345.3
65°	405.6	365.4	340.3	322.2	313.2	309.2	308.2	300.2	299.2	300.2	301.2
67.5°	342.3	308.2	289.1	278.1	271.0	267.0	264.0	259.0	263.0	260.0	262.0
70°	285.1	262.0	241.9	230.9	227.9	228.9	223.9	221.9	222.9	220.9	222.9
72.5°	229.9	210.8	202.8	194.8	190.7	189.7	186.7	183.7	186.7	185.7	185.7
75°	183.7	169.7	160.6	155.6	155.6	153.6	148.6	148.6	148.6	147.6	148.6
77.5°	141.5	129.5	125.5	120.5	120.5	117.5	116.4	116.4	114.4	117.5	115.4
80°	105.4	96.4	90.3	87.3	87.3	86.3	84.3	83.3	84.3	83.3	83.3
82.5°	68.3	64.2	61.2	58.2	57.2	58.2	57.2	55.2	56.2	55.2	57.2
85°	39.2	35.1	35.1	33.1	34.1	32.1	33.1	31.1	30.1	33.1	31.1
87.5°	17.1	16.1	16.1	14.1	14.1	14.1	13.1	14.1	13.1	12.0	13.1
90°	5.9	6.3	6.6	7.0	7.2	7.3	7.5	7.8	8.0	8.2	8.0
92.5°	5.9	6.3	6.6	7.0	7.2	7.2	7.3	7.4	7.4	7.5	7.4
95°	5.9	6.3	6.6	7.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2
97.5°	6.3	6.5	6.6	6.7	6.8	6.8	6.9	7.0	7.1	7.2	7.1
100°	48.2	36.9	25.6	14.3	8.6	8.4	8.1	7.8	7.5	7.2	7.5
102.5°	80.2	80.3	80.5	80.6	80.7	77.5	71.1	64.8	58.4	52.0	58.4
105°	101.9	101.9	101.9	101.9	101.9	101.9	101.8	101.7	101.7	101.6	101.7
107.5°	124.6	124.6	124.7	124.8	124.8	124.7	124.4	124.1	123.8	123.5	123.8
110°	146.9	146.6	146.4	146.1	146.0	146.0	146.1	146.2	146.3	146.4	146.3

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	168.7	168.4	168.1	167.8	167.6	167.5	167.4	167.2	167.1	166.9	167.1
115°	190.6	190.3	190.0	189.7	189.5	189.3	188.8	188.3	187.9	187.4	187.9
117.5°	211.9	211.5	211.0	210.5	210.3	210.2	210.1	210.0	209.8	209.7	209.8
120°	232.1	231.9	231.8	231.7	231.6	231.4	231.0	230.6	230.2	229.8	230.2
122.5°	251.5	251.4	251.2	251.1	251.0	250.8	250.3	249.9	249.4	249.0	249.4
125°	270.6	270.3	270.0	269.7	269.5	269.4	269.2	268.9	268.7	268.5	268.7
127.5°	287.8	287.7	287.5	287.4	287.3	287.0	286.4	285.8	285.2	284.6	285.2
130°	304.9	304.7	304.4	304.2	304.1	303.9	303.5	303.2	302.8	302.4	302.8
132.5°	320.5	320.5	320.5	320.5	320.5	320.3	319.9	319.6	319.2	318.8	319.2
135°	336.0	335.9	335.7	335.6	335.5	335.3	334.8	334.4	333.9	333.5	333.9
137.5°	350.6	350.6	350.6	350.6	350.6	350.4	350.0	349.7	349.3	348.9	349.3
140°	363.8	363.9	364.1	364.2	364.3	364.1	363.6	363.1	362.7	362.2	362.7
142.5°	376.9	376.9	376.9	376.9	376.9	376.7	376.2	375.8	375.3	374.9	375.3
145°	389.0	389.0	389.1	389.2	389.2	389.0	388.5	388.1	387.6	387.2	387.6
147.5°	399.6	399.6	399.7	399.8	399.8	399.5	399.0	398.5	397.9	397.4	397.9
150°	409.6	409.7	409.9	410.0	410.1	409.8	409.2	408.6	408.0	407.4	408.0
152.5°	418.5	418.6	418.8	418.9	419.0	418.7	418.2	417.7	417.1	416.6	417.1
155°	426.4	426.6	426.9	427.1	427.2	426.9	426.3	425.7	425.1	424.5	425.1
157.5°	433.2	433.4	433.7	433.9	434.0	433.7	433.1	432.5	431.9	431.3	431.9
160°	439.5	439.8	440.1	440.4	440.5	440.2	439.6	439.0	438.4	437.8	438.4
162.5°	445.1	445.5	446.0	446.5	446.7	446.4	445.7	445.0	444.3	443.6	444.3
165°	449.9	450.3	450.8	451.3	451.5	451.2	450.6	449.9	449.3	448.7	449.3
167.5°	453.7	454.3	454.8	455.3	455.6	455.3	454.6	453.9	453.2	452.5	453.2
170°	456.5	457.1	457.8	458.4	458.7	458.4	457.7	457.0	456.3	455.6	456.3
172.5°	458.8	459.4	459.9	460.4	460.7	460.4	459.7	459.0	458.3	457.6	458.3
175°	460.3	460.9	461.5	462.1	462.4	462.1	461.4	460.7	460.0	459.3	460.0
177.5°	461.2	461.8	462.3	462.8	463.1	462.8	462.2	461.6	461.0	460.4	461.0
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1265.9	1258.8	1260.9	1258.8	1253.8	1250.8	1242.8	1232.7	1228.7	1223.7	1220.7
5°	1367.3	1362.2	1361.2	1353.2	1351.2	1339.2	1319.1	1309.0	1297.0	1284.9	1272.9
7.5°	1477.7	1471.7	1451.6	1448.6	1450.6	1435.5	1409.4	1389.4	1364.3	1347.2	1324.1
10°	1569.0	1557.0	1539.9	1540.9	1533.9	1513.8	1487.7	1466.6	1430.5	1408.4	1375.3
12.5°	1624.3	1614.2	1612.2	1602.2	1596.1	1570.0	1538.9	1511.8	1484.7	1454.6	1429.5
15°	1691.5	1678.5	1669.4	1655.4	1651.4	1624.3	1590.1	1559.0	1527.9	1499.8	1446.6
17.5°	1765.8	1751.7	1717.6	1714.6	1690.5	1664.4	1631.3	1585.1	1552.0	1511.8	1472.7
20°	1850.1	1830.0	1785.9	1774.8	1755.8	1712.6	1667.4	1616.2	1563.0	1521.9	1475.7
22.5°	1944.5	1909.4	1877.2	1842.1	1828.0	1774.8	1712.6	1650.4	1586.1	1529.9	1474.7
25°	2067.0	2020.8	1975.6	1940.5	1916.4	1847.1	1763.8	1681.5	1607.2	1533.9	1461.6
27.5°	2163.3	2123.2	2074.0	2027.8	1996.7	1914.4	1819.0	1712.6	1620.2	1530.9	1453.6
30°	2170.4	2158.3	2128.2	2103.1	2069.0	1980.6	1875.2	1754.8	1640.3	1531.9	1437.5
32.5°	2038.9	2062.9	2076.0	2080.0	2073.0	2021.8	1925.4	1792.9	1658.4	1522.9	1423.5
35°	1755.8	1820.0	1899.3	1929.4	1958.5	1985.6	1935.5	1820.0	1664.4	1520.9	1401.4
37.5°	1445.6	1503.8	1635.3	1695.5	1729.7	1837.1	1878.2	1816.0	1676.5	1522.9	1380.3
40°	1166.5	1258.8	1353.2	1434.5	1487.7	1608.2	1735.7	1749.7	1659.4	1503.8	1353.2
42.5°	981.8	1036.0	1107.3	1182.6	1229.7	1372.3	1545.0	1646.3	1606.2	1472.7	1320.1
45°	836.2	876.4	943.6	968.7	1029.0	1165.5	1348.2	1494.8	1514.8	1423.5	1281.9
47.5°	717.8	751.9	795.1	826.2	874.4	976.8	1131.4	1293.0	1389.4	1356.2	1228.7
50°	632.4	660.5	696.7	714.8	745.9	838.2	954.7	1115.3	1244.8	1255.8	1159.5
52.5°	561.2	577.2	605.3	625.4	650.5	706.7	812.1	944.6	1090.2	1150.4	1074.1
55°	498.9	512.0	537.1	550.1	563.2	611.4	693.7	814.1	950.7	1030.0	986.8
57.5°	442.7	453.7	474.8	486.9	493.9	540.1	603.3	697.7	820.2	916.5	892.4
60°	396.5	406.6	418.6	427.6	435.7	473.8	518.0	594.3	703.7	797.1	791.0
62.5°	347.3	356.4	369.4	378.5	385.5	409.6	446.7	504.9	598.3	684.6	701.7
65°	304.2	311.2	320.2	324.2	333.3	351.4	381.5	433.7	510.0	587.3	599.3
67.5°	265.0	267.0	273.1	282.1	284.1	300.2	327.3	366.4	425.6	488.9	508.0
70°	222.9	225.9	230.9	237.9	241.9	252.0	275.1	301.2	352.4	407.6	421.6
72.5°	185.7	189.7	191.7	195.8	197.8	213.8	223.9	250.0	285.1	331.3	346.3
75°	150.6	154.6	155.6	157.6	159.6	166.6	180.7	196.8	225.9	256.0	276.1
77.5°	119.5	118.5	120.5	123.5	122.5	128.5	137.5	151.6	170.7	195.8	208.8
80°	84.3	84.3	87.3	90.3	89.3	95.4	98.4	108.4	124.5	140.5	145.6
82.5°	56.2	56.2	59.2	59.2	61.2	62.2	66.3	71.3	84.3	92.4	95.4
85°	32.1	32.1	33.1	33.1	33.1	35.1	38.1	40.2	44.2	49.2	51.2
87.5°	13.1	14.1	14.1	14.1	14.1	16.1	16.1	18.1	19.1	21.1	21.1
90°	7.8	7.5	7.3	7.2	7.0	6.6	6.3	5.9	5.5	5.0	4.4
92.5°	7.4	7.3	7.2	7.2	7.0	6.6	6.3	5.9	5.5	5.0	4.6
95°	7.2	7.2	7.2	7.2	7.0	6.6	6.3	5.9	5.5	8.4	11.3
97.5°	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.3	6.2	13.4	20.6
100°	7.8	8.1	8.4	8.6	14.3	25.6	36.9	48.2	59.5	59.2	58.9
102.5°	64.8	71.1	77.5	80.7	80.6	80.5	80.3	80.2	80.0	79.9	79.7
105°	101.7	101.8	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9
107.5°	124.1	124.4	124.7	124.8	124.8	124.7	124.6	124.6	124.5	124.3	124.2
110°	146.2	146.1	146.0	146.0	146.1	146.4	146.6	146.9	147.1	146.9	146.8

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	167.2	167.4	167.5	167.6	167.8	168.1	168.4	168.7	169.0	168.9	168.8
115°	188.3	188.8	189.3	189.5	189.7	190.0	190.3	190.6	190.9	190.8	190.7
117.5°	210.0	210.1	210.2	210.3	210.5	211.0	211.5	211.9	212.4	212.1	211.8
120°	230.6	231.0	231.4	231.6	231.7	231.8	231.9	232.1	232.2	232.0	231.8
122.5°	249.9	250.3	250.8	251.0	251.1	251.2	251.4	251.5	251.7	251.6	251.6
125°	268.9	269.2	269.4	269.5	269.7	270.0	270.3	270.6	270.9	270.9	270.9
127.5°	285.8	286.4	287.0	287.3	287.4	287.5	287.7	287.8	288.0	288.1	288.1
130°	303.2	303.5	303.9	304.1	304.2	304.4	304.7	304.9	305.1	305.0	304.9
132.5°	319.6	319.9	320.3	320.5	320.5	320.5	320.5	320.5	320.5	320.7	320.9
135°	334.4	334.8	335.3	335.5	335.6	335.7	335.9	336.0	336.2	336.4	336.5
137.5°	349.7	350.0	350.4	350.6	350.6	350.6	350.6	350.6	350.6	350.8	350.9
140°	363.1	363.6	364.1	364.3	364.2	364.1	363.9	363.8	363.6	363.7	363.7
142.5°	375.8	376.2	376.7	376.9	376.9	376.9	376.9	376.9	376.9	376.7	376.6
145°	388.1	388.5	389.0	389.2	389.2	389.1	389.0	389.0	388.9	388.9	388.9
147.5°	398.5	399.0	399.5	399.8	399.8	399.7	399.6	399.6	399.5	399.4	399.3
150°	408.6	409.2	409.8	410.1	410.0	409.9	409.7	409.6	409.4	409.2	409.1
152.5°	417.7	418.2	418.7	419.0	418.9	418.8	418.6	418.5	418.3	418.1	418.0
155°	425.7	426.3	426.9	427.2	427.1	426.9	426.6	426.4	426.2	426.0	425.9
157.5°	432.5	433.1	433.7	434.0	433.9	433.7	433.4	433.2	433.0	433.0	433.0
160°	439.0	439.6	440.2	440.5	440.4	440.1	439.8	439.5	439.2	439.1	439.0
162.5°	445.0	445.7	446.4	446.7	446.5	446.0	445.5	445.1	444.6	444.5	444.5
165°	449.9	450.6	451.2	451.5	451.3	450.8	450.3	449.9	449.4	449.3	449.3
167.5°	453.9	454.6	455.3	455.6	455.3	454.8	454.3	453.7	453.2	453.1	453.0
170°	457.0	457.7	458.4	458.7	458.4	457.8	457.1	456.5	455.9	455.8	455.8
172.5°	459.0	459.7	460.4	460.7	460.4	459.9	459.4	458.8	458.3	458.1	458.0
175°	460.7	461.4	462.1	462.4	462.1	461.5	460.9	460.3	459.7	459.6	459.5
177.5°	461.6	462.2	462.8	463.1	462.8	462.3	461.8	461.2	460.7	460.6	460.6
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1216.7	1211.7	1205.6	1205.6	1198.6	1195.6	1189.6	1187.6	1182.6	1174.5	1168.5
5°	1259.9	1246.8	1238.8	1231.7	1216.7	1205.6	1194.6	1182.6	1170.5	1156.5	1140.4
7.5°	1302.0	1277.9	1266.9	1254.8	1232.7	1209.7	1187.6	1171.5	1155.5	1133.4	1113.3
10°	1346.2	1316.1	1296.0	1279.9	1245.8	1216.7	1184.6	1161.5	1136.4	1108.3	1082.2
12.5°	1383.3	1344.2	1327.1	1297.0	1257.8	1222.7	1182.6	1147.4	1114.3	1081.2	1049.0
15°	1414.4	1377.3	1335.1	1323.1	1268.9	1218.7	1173.5	1128.3	1087.2	1054.1	1016.9
17.5°	1424.5	1377.3	1356.2	1327.1	1262.9	1210.7	1153.4	1104.3	1065.1	1015.9	986.8
20°	1427.5	1382.3	1353.2	1326.1	1268.9	1199.6	1143.4	1083.2	1036.0	986.8	940.6
22.5°	1419.5	1366.3	1338.2	1312.1	1247.8	1188.6	1123.3	1057.1	1001.9	956.7	910.5
25°	1404.4	1342.2	1315.1	1287.0	1225.7	1160.5	1089.2	1026.0	974.8	920.5	875.4
27.5°	1384.3	1313.1	1281.9	1252.8	1192.6	1131.4	1064.1	998.8	941.6	884.4	842.2
30°	1359.2	1276.9	1248.8	1210.7	1152.4	1094.2	1033.0	967.7	903.5	849.3	803.1
32.5°	1327.1	1240.8	1203.6	1167.5	1104.3	1051.0	992.8	931.6	869.3	816.1	768.0
35°	1298.0	1199.6	1158.5	1122.3	1052.1	995.8	947.7	890.4	835.2	780.0	736.8
37.5°	1258.8	1158.5	1109.3	1072.1	1000.9	943.6	898.5	854.3	796.1	742.9	702.7
40°	1217.7	1107.3	1061.1	1023.9	949.7	887.4	844.3	805.1	757.9	708.7	666.6
42.5°	1180.5	1058.1	1008.9	963.7	888.4	833.2	789.0	758.9	715.8	671.6	633.4
45°	1133.4	1005.9	952.7	905.5	833.2	773.0	730.8	706.7	674.6	631.4	598.3
47.5°	1085.2	949.7	894.4	848.3	770.0	716.8	675.6	652.5	630.4	596.3	563.2
50°	1021.9	890.4	840.2	787.0	709.7	655.5	621.4	598.3	581.2	557.1	529.0
52.5°	952.7	829.2	775.0	728.8	652.5	603.3	564.2	551.1	534.1	516.0	491.9
55°	879.4	762.9	710.7	665.6	595.3	545.1	513.0	498.9	485.9	471.8	455.8
57.5°	806.1	693.7	644.5	604.3	539.1	490.9	464.8	445.7	436.7	428.7	415.6
60°	714.8	619.4	581.2	545.1	480.9	436.7	411.6	397.5	389.5	385.5	379.5
62.5°	634.4	556.1	514.0	478.8	427.6	388.5	364.4	353.4	346.3	344.3	337.3
65°	549.1	481.9	448.7	418.6	374.4	339.3	319.2	306.2	301.2	300.2	300.2
67.5°	468.8	414.6	381.5	360.4	322.2	291.1	272.0	267.0	264.0	260.0	259.0
70°	393.5	350.3	321.2	303.2	269.0	245.9	230.9	222.9	222.9	219.8	217.8
72.5°	327.3	284.1	265.0	250.0	221.9	201.8	190.7	188.7	181.7	180.7	180.7
75°	256.0	223.9	210.8	197.8	176.7	162.6	153.6	148.6	144.6	144.6	145.6
77.5°	192.7	170.7	158.6	148.6	133.5	124.5	117.5	115.4	111.4	111.4	111.4
80°	136.5	124.5	115.4	107.4	96.4	88.3	84.3	80.3	80.3	79.3	80.3
82.5°	88.3	78.3	73.3	72.3	62.2	59.2	54.2	55.2	52.2	51.2	53.2
85°	51.2	46.2	40.2	38.1	34.1	30.1	28.1	29.1	28.1	27.1	28.1
87.5°	20.1	17.1	16.1	16.1	13.1	12.0	11.0	12.0	10.0	10.0	11.0
90°	3.9	3.4	3.1	2.8	2.2	1.5	0.9	0.3	0.9	1.5	2.2
92.5°	4.1	3.6	3.4	3.7	4.4	5.1	5.8	6.5	5.8	5.1	4.4
95°	14.2	17.1	18.5	18.6	18.8	19.1	19.3	19.5	19.3	19.1	18.8
97.5°	27.8	35.0	38.6	38.4	37.9	37.5	37.0	36.6	37.0	37.5	37.9
100°	58.6	58.3	58.1	58.0	57.8	57.5	57.3	57.1	57.3	57.5	57.8
102.5°	79.6	79.5	79.4	79.2	78.9	78.6	78.3	78.0	78.3	78.6	78.9
105°	101.9	101.9	101.9	101.8	101.5	101.2	100.9	100.6	100.9	101.2	101.5
107.5°	124.0	123.9	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8
110°	146.6	146.5	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	168.7	168.6	168.6	168.5	168.3	168.0	167.8	167.6	167.8	168.0	168.3
115°	190.6	190.5	190.5	190.3	189.9	189.6	189.2	188.8	189.2	189.6	189.9
117.5°	211.5	211.2	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0
120°	231.5	231.3	231.2	231.2	231.3	231.4	231.5	231.6	231.5	231.4	231.3
122.5°	251.5	251.4	251.4	251.2	250.8	250.5	250.1	249.7	250.1	250.5	250.8
125°	270.9	270.9	270.9	270.6	270.1	269.6	269.0	268.5	269.0	269.6	270.1
127.5°	288.2	288.3	288.3	288.1	287.7	287.4	287.0	286.6	287.0	287.4	287.7
130°	304.8	304.7	304.7	304.5	304.1	303.8	303.4	303.0	303.4	303.8	304.1
132.5°	321.2	321.4	321.5	321.3	320.8	320.4	319.9	319.5	319.9	320.4	320.8
135°	336.7	336.8	336.9	336.7	336.2	335.7	335.3	334.8	335.3	335.7	336.2
137.5°	351.1	351.2	351.3	351.1	350.6	350.1	349.7	349.2	349.7	350.1	350.6
140°	363.8	363.9	363.9	363.8	363.7	363.5	363.4	363.2	363.4	363.5	363.7
142.5°	376.4	376.3	376.2	376.2	376.1	376.0	376.0	375.9	376.0	376.0	376.1
145°	388.9	388.9	388.9	388.8	388.7	388.5	388.4	388.2	388.4	388.5	388.7
147.5°	399.2	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1
150°	408.9	408.8	408.7	408.8	408.9	409.1	409.2	409.4	409.2	409.1	408.9
152.5°	417.8	417.7	417.6	417.8	418.2	418.5	418.9	419.3	418.9	418.5	418.2
155°	425.7	425.6	425.5	425.7	426.2	426.6	427.1	427.5	427.1	426.6	426.2
157.5°	433.0	433.0	433.0	433.1	433.3	433.6	433.8	434.0	433.8	433.6	433.3
160°	438.9	438.8	438.8	439.0	439.5	440.0	440.4	440.9	440.4	440.0	439.5
162.5°	444.4	444.3	444.3	444.5	445.0	445.4	445.9	446.3	445.9	445.4	445.0
165°	449.2	449.1	449.1	449.3	449.8	450.2	450.7	451.1	450.7	450.2	449.8
167.5°	452.9	452.8	452.8	453.0	453.5	454.0	454.4	454.9	454.4	454.0	453.5
170°	455.7	455.6	455.6	455.9	456.4	456.9	457.5	458.0	457.5	456.9	456.4
172.5°	457.8	457.7	457.6	457.9	458.4	458.9	459.5	460.0	459.5	458.9	458.4
175°	459.4	459.3	459.3	459.5	460.0	460.5	460.9	461.4	460.9	460.5	460.0
177.5°	460.5	460.4	460.4	460.6	461.1	461.5	462.0	462.4	462.0	461.5	461.1
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1166.5	1164.5	1159.5	1156.5	1146.4	1134.4	1130.4	1120.3	1124.3	1117.3	1117.3
5°	1135.4	1126.3	1120.3	1111.3	1092.2	1079.2	1065.1	1058.1	1054.1	1049.0	1045.0
7.5°	1095.2	1088.2	1082.2	1065.1	1044.0	1026.0	1008.9	1001.9	988.8	979.8	975.8
10°	1060.1	1050.0	1036.0	1015.9	993.8	970.7	955.7	940.6	930.6	925.6	914.5
12.5°	1023.9	1011.9	996.8	967.7	943.6	929.6	902.5	888.4	883.4	879.4	866.3
15°	986.8	973.8	955.7	928.6	907.5	874.4	858.3	847.3	835.2	834.2	824.2
17.5°	953.7	937.6	922.6	889.4	863.3	834.2	825.2	813.1	802.1	790.0	785.0
20°	911.5	896.5	885.4	849.3	820.2	802.1	787.0	777.0	770.0	757.9	755.9
22.5°	873.4	857.3	842.2	815.1	790.0	767.0	748.9	737.8	734.8	729.8	720.8
25°	836.2	820.2	802.1	777.0	750.9	734.8	718.8	711.7	705.7	697.7	690.7
27.5°	805.1	790.0	773.0	741.9	719.8	707.7	690.7	682.6	674.6	670.6	667.6
30°	768.0	750.9	737.8	713.7	689.7	673.6	661.5	654.5	647.5	643.5	641.5
32.5°	731.8	715.8	706.7	680.6	661.5	642.5	633.4	628.4	624.4	620.4	616.4
35°	702.7	686.6	672.6	648.5	629.4	616.4	609.3	601.3	598.3	594.3	594.3
37.5°	666.6	654.5	640.5	617.4	600.3	590.3	584.3	574.2	573.2	571.2	568.2
40°	635.4	623.4	610.4	590.3	575.2	563.2	555.1	550.1	547.1	545.1	543.1
42.5°	602.3	589.3	583.2	560.2	547.1	535.1	531.0	526.0	525.0	521.0	516.0
45°	570.2	559.2	547.1	530.0	519.0	509.0	502.9	498.9	493.9	492.9	489.9
47.5°	542.1	529.0	518.0	501.9	489.9	481.9	476.8	471.8	467.8	464.8	461.8
50°	505.9	495.9	486.9	469.8	459.8	451.7	444.7	440.7	436.7	436.7	436.7
52.5°	470.8	461.8	453.7	441.7	429.7	422.6	414.6	411.6	409.6	406.6	409.6
55°	436.7	427.6	419.6	410.6	396.5	390.5	382.5	379.5	380.5	380.5	383.5
57.5°	400.5	393.5	388.5	377.5	364.4	358.4	353.4	350.3	350.3	354.4	355.4
60°	365.4	358.4	349.3	339.3	331.3	324.2	321.2	322.2	322.2	324.2	329.3
62.5°	326.3	322.2	317.2	303.2	298.1	293.1	289.1	292.1	291.1	296.1	303.2
65°	290.1	286.1	279.1	272.0	266.0	261.0	260.0	261.0	263.0	268.0	276.1
67.5°	250.0	250.0	243.9	237.9	232.9	227.9	228.9	229.9	231.9	237.9	250.0
70°	216.8	212.8	206.8	202.8	198.8	196.8	194.8	198.8	204.8	208.8	217.8
72.5°	180.7	177.7	172.7	168.6	167.6	165.6	164.6	166.6	172.7	179.7	189.7
75°	142.5	143.6	140.5	137.5	137.5	134.5	136.5	136.5	142.5	149.6	157.6
77.5°	110.4	109.4	108.4	106.4	105.4	105.4	105.4	107.4	113.4	117.5	125.5
80°	78.3	79.3	76.3	77.3	76.3	77.3	77.3	81.3	84.3	89.3	95.4
82.5°	52.2	52.2	50.2	51.2	51.2	51.2	52.2	54.2	58.2	62.2	66.3
85°	29.1	30.1	28.1	30.1	30.1	30.1	31.1	32.1	35.1	36.1	40.2
87.5°	11.0	13.1	13.1	11.0	12.0	13.1	14.1	13.1	15.1	17.1	18.1
90°	2.8	3.1	3.4	3.9	4.4	5.0	5.5	5.9	6.3	6.6	7.0
92.5°	3.7	3.4	3.6	4.1	4.6	5.0	5.5	5.9	6.3	6.6	7.0
95°	18.6	18.5	17.1	14.2	11.3	8.4	5.5	5.9	6.3	6.6	7.0
97.5°	38.4	38.6	35.0	27.8	20.6	13.4	6.2	6.3	6.5	6.6	6.7
100°	58.0	58.1	58.3	58.6	58.9	59.2	59.5	48.2	36.9	25.6	14.3
102.5°	79.2	79.4	79.5	79.6	79.7	79.9	80.0	80.2	80.3	80.5	80.6
105°	101.8	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9
107.5°	123.8	123.8	123.9	124.0	124.2	124.3	124.5	124.6	124.6	124.7	124.8
110°	146.4	146.4	146.5	146.6	146.8	146.9	147.1	146.9	146.6	146.4	146.1

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	168.5	168.6	168.6	168.7	168.8	168.9	169.0	168.7	168.4	168.1	167.8
115°	190.3	190.5	190.5	190.6	190.7	190.8	190.9	190.6	190.3	190.0	189.7
117.5°	211.0	211.0	211.2	211.5	211.8	212.1	212.4	211.9	211.5	211.0	210.5
120°	231.2	231.2	231.3	231.5	231.8	232.0	232.2	232.1	231.9	231.8	231.7
122.5°	251.2	251.4	251.4	251.5	251.6	251.6	251.7	251.5	251.4	251.2	251.1
125°	270.6	270.9	270.9	270.9	270.9	270.9	270.9	270.6	270.3	270.0	269.7
127.5°	288.1	288.3	288.3	288.2	288.1	288.1	288.0	287.8	287.7	287.5	287.4
130°	304.5	304.7	304.7	304.8	304.9	305.0	305.1	304.9	304.7	304.4	304.2
132.5°	321.3	321.5	321.4	321.2	320.9	320.7	320.5	320.5	320.5	320.5	320.5
135°	336.7	336.9	336.8	336.7	336.5	336.4	336.2	336.0	335.9	335.7	335.6
137.5°	351.1	351.3	351.2	351.1	350.9	350.8	350.6	350.6	350.6	350.6	350.6
140°	363.8	363.9	363.9	363.8	363.7	363.7	363.6	363.8	363.9	364.1	364.2
142.5°	376.2	376.2	376.3	376.4	376.6	376.7	376.9	376.9	376.9	376.9	376.9
145°	388.8	388.9	388.9	388.9	388.9	388.9	388.9	389.0	389.0	389.1	389.2
147.5°	399.1	399.1	399.1	399.2	399.3	399.4	399.5	399.6	399.6	399.7	399.8
150°	408.8	408.7	408.8	408.9	409.1	409.2	409.4	409.6	409.7	409.9	410.0
152.5°	417.8	417.6	417.7	417.8	418.0	418.1	418.3	418.5	418.6	418.8	418.9
155°	425.7	425.5	425.6	425.7	425.9	426.0	426.2	426.4	426.6	426.9	427.1
157.5°	433.1	433.0	433.0	433.0	433.0	433.0	433.0	433.2	433.4	433.7	433.9
160°	439.0	438.8	438.8	438.9	439.0	439.1	439.2	439.5	439.8	440.1	440.4
162.5°	444.5	444.3	444.3	444.4	444.5	444.5	444.6	445.1	445.5	446.0	446.5
165°	449.3	449.1	449.1	449.2	449.3	449.3	449.4	449.9	450.3	450.8	451.3
167.5°	453.0	452.8	452.8	452.9	453.0	453.1	453.2	453.7	454.3	454.8	455.3
170°	455.9	455.6	455.6	455.7	455.8	455.8	455.9	456.5	457.1	457.8	458.4
172.5°	457.9	457.6	457.7	457.8	458.0	458.1	458.3	458.8	459.4	459.9	460.4
175°	459.5	459.3	459.3	459.4	459.5	459.6	459.7	460.3	460.9	461.5	462.1
177.5°	460.6	460.4	460.4	460.5	460.6	460.6	460.7	461.2	461.8	462.3	462.8
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1121.3	1114.3	1113.3	1115.3	1111.3	1117.3	1115.3	1117.3	1112.3	1117.3	1114.3
5°	1044.0	1042.0	1038.0	1033.0	1034.0	1035.0	1040.0	1035.0	1039.0	1040.0	1045.0
7.5°	971.7	967.7	970.7	968.7	959.7	957.7	959.7	962.7	968.7	972.7	975.8
10°	913.5	911.5	907.5	904.5	899.5	896.5	900.5	896.5	904.5	911.5	911.5
12.5°	869.3	861.3	856.3	855.3	844.3	846.3	850.3	853.3	862.3	866.3	866.3
15°	823.2	817.1	815.1	811.1	807.1	811.1	809.1	812.1	816.1	820.2	822.2
17.5°	783.0	782.0	783.0	773.0	776.0	771.0	772.0	777.0	774.0	777.0	783.0
20°	746.9	748.9	745.9	741.9	741.9	735.8	742.9	740.9	741.9	747.9	756.9
22.5°	719.8	718.8	715.8	712.7	708.7	709.7	710.7	708.7	716.8	721.8	722.8
25°	690.7	688.7	687.6	684.6	680.6	684.6	683.6	684.6	686.6	694.7	688.7
27.5°	663.6	659.5	661.5	658.5	657.5	658.5	658.5	659.5	661.5	662.6	663.6
30°	640.5	636.5	635.4	633.4	632.4	633.4	635.4	633.4	641.5	640.5	640.5
32.5°	615.4	612.4	610.4	610.4	609.3	608.3	609.3	610.4	616.4	612.4	616.4
35°	591.3	589.3	589.3	587.3	586.3	586.3	586.3	590.3	588.3	591.3	591.3
37.5°	568.2	568.2	567.2	565.2	564.2	565.2	564.2	566.2	565.2	566.2	567.2
40°	544.1	542.1	541.1	541.1	538.1	535.1	538.1	538.1	539.1	542.1	543.1
42.5°	515.0	516.0	516.0	512.0	512.0	512.0	513.0	514.0	514.0	516.0	516.0
45°	489.9	487.9	487.9	487.9	485.9	486.9	488.9	488.9	488.9	488.9	486.9
47.5°	461.8	461.8	462.8	462.8	465.8	464.8	464.8	463.8	461.8	461.8	462.8
50°	435.7	438.7	439.7	439.7	440.7	441.7	441.7	439.7	438.7	435.7	435.7
52.5°	410.6	412.6	414.6	417.6	419.6	418.6	418.6	416.6	412.6	411.6	410.6
55°	383.5	386.5	390.5	393.5	396.5	397.5	397.5	393.5	389.5	384.5	384.5
57.5°	358.4	361.4	368.4	371.4	375.4	375.4	373.4	370.4	364.4	360.4	357.4
60°	333.3	338.3	343.3	349.3	354.4	355.4	352.4	348.3	341.3	336.3	332.3
62.5°	306.2	311.2	321.2	327.3	331.3	331.3	331.3	326.3	317.2	310.2	304.2
65°	280.1	285.1	294.1	302.2	305.2	308.2	305.2	300.2	293.1	285.1	279.1
67.5°	253.0	259.0	268.0	274.1	278.1	281.1	279.1	275.1	266.0	255.0	251.0
70°	222.9	225.9	238.9	244.9	251.0	253.0	251.0	244.9	235.9	223.9	219.8
72.5°	194.8	197.8	209.8	214.8	219.8	221.9	218.8	214.8	206.8	195.8	190.7
75°	162.6	167.6	173.7	181.7	187.7	189.7	186.7	183.7	173.7	166.6	162.6
77.5°	128.5	133.5	141.5	148.6	154.6	153.6	149.6	150.6	139.5	131.5	128.5
80°	97.4	101.4	107.4	113.4	116.4	116.4	115.4	111.4	107.4	101.4	96.4
82.5°	67.3	72.3	77.3	81.3	81.3	82.3	80.3	79.3	75.3	70.3	69.3
85°	40.2	41.2	45.2	45.2	49.2	47.2	46.2	49.2	45.2	42.2	41.2
87.5°	18.1	17.1	18.1	18.1	17.1	19.1	19.1	18.1	19.1	18.1	18.1
90°	7.2	7.3	7.5	7.8	8.0	8.2	8.0	7.8	7.5	7.3	7.2
92.5°	7.2	7.2	7.3	7.4	7.4	7.5	7.4	7.4	7.3	7.2	7.2
95°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
97.5°	6.8	6.8	6.9	7.0	7.1	7.2	7.1	7.0	6.9	6.8	6.8
100°	8.6	8.4	8.1	7.8	7.5	7.2	7.5	7.8	8.1	8.4	8.6
102.5°	80.7	77.5	71.1	64.8	58.4	52.0	58.4	64.8	71.1	77.5	80.7
105°	101.9	101.9	101.8	101.7	101.7	101.6	101.7	101.7	101.8	101.9	101.9
107.5°	124.8	124.7	124.4	124.1	123.8	123.5	123.8	124.1	124.4	124.7	124.8
110°	146.0	146.0	146.1	146.2	146.3	146.4	146.3	146.2	146.1	146.0	146.0

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	167.6	167.5	167.4	167.2	167.1	166.9	167.1	167.2	167.4	167.5	167.6
115°	189.5	189.3	188.8	188.3	187.9	187.4	187.9	188.3	188.8	189.3	189.5
117.5°	210.3	210.2	210.1	210.0	209.8	209.7	209.8	210.0	210.1	210.2	210.3
120°	231.6	231.4	231.0	230.6	230.2	229.8	230.2	230.6	231.0	231.4	231.6
122.5°	251.0	250.8	250.3	249.9	249.4	249.0	249.4	249.9	250.3	250.8	251.0
125°	269.5	269.4	269.2	268.9	268.7	268.5	268.7	268.9	269.2	269.4	269.5
127.5°	287.3	287.0	286.4	285.8	285.2	284.6	285.2	285.8	286.4	287.0	287.3
130°	304.1	303.9	303.5	303.2	302.8	302.4	302.8	303.2	303.5	303.9	304.1
132.5°	320.5	320.3	319.9	319.6	319.2	318.8	319.2	319.6	319.9	320.3	320.5
135°	335.5	335.3	334.8	334.4	333.9	333.5	333.9	334.4	334.8	335.3	335.5
137.5°	350.6	350.4	350.0	349.7	349.3	348.9	349.3	349.7	350.0	350.4	350.6
140°	364.3	364.1	363.6	363.1	362.7	362.2	362.7	363.1	363.6	364.1	364.3
142.5°	376.9	376.7	376.2	375.8	375.3	374.9	375.3	375.8	376.2	376.7	376.9
145°	389.2	389.0	388.5	388.1	387.6	387.2	387.6	388.1	388.5	389.0	389.2
147.5°	399.8	399.5	399.0	398.5	397.9	397.4	397.9	398.5	399.0	399.5	399.8
150°	410.1	409.8	409.2	408.6	408.0	407.4	408.0	408.6	409.2	409.8	410.1
152.5°	419.0	418.7	418.2	417.7	417.1	416.6	417.1	417.7	418.2	418.7	419.0
155°	427.2	426.9	426.3	425.7	425.1	424.5	425.1	425.7	426.3	426.9	427.2
157.5°	434.0	433.7	433.1	432.5	431.9	431.3	431.9	432.5	433.1	433.7	434.0
160°	440.5	440.2	439.6	439.0	438.4	437.8	438.4	439.0	439.6	440.2	440.5
162.5°	446.7	446.4	445.7	445.0	444.3	443.6	444.3	445.0	445.7	446.4	446.7
165°	451.5	451.2	450.6	449.9	449.3	448.7	449.3	449.9	450.6	451.2	451.5
167.5°	455.6	455.3	454.6	453.9	453.2	452.5	453.2	453.9	454.6	455.3	455.6
170°	458.7	458.4	457.7	457.0	456.3	455.6	456.3	457.0	457.7	458.4	458.7
172.5°	460.7	460.4	459.7	459.0	458.3	457.6	458.3	459.0	459.7	460.4	460.7
175°	462.4	462.1	461.4	460.7	460.0	459.3	460.0	460.7	461.4	462.1	462.4
177.5°	463.1	462.8	462.2	461.6	461.0	460.4	461.0	461.6	462.2	462.8	463.1
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1123.3	1117.3	1124.3	1115.3	1117.3	1128.3	1127.3	1137.4	1143.4	1142.4	1147.4
5°	1049.0	1049.0	1052.1	1051.0	1061.1	1070.1	1082.2	1092.2	1103.2	1109.3	1116.3
7.5°	975.8	985.8	987.8	992.8	1004.9	1019.9	1032.0	1047.0	1063.1	1074.1	1082.2
10°	915.5	923.6	931.6	935.6	948.7	968.7	985.8	1009.9	1030.0	1042.0	1053.1
12.5°	862.3	871.4	875.4	893.4	902.5	915.5	939.6	965.7	987.8	1000.9	1009.9
15°	824.2	829.2	838.2	849.3	858.3	874.4	894.4	923.6	944.6	955.7	986.8
17.5°	792.1	798.1	803.1	808.1	822.2	839.2	858.3	883.4	910.5	929.6	945.6
20°	758.9	761.9	768.0	776.0	786.0	802.1	819.2	845.3	869.3	884.4	905.5
22.5°	719.8	728.8	734.8	740.9	751.9	770.0	786.0	805.1	835.2	852.3	874.4
25°	696.7	700.7	704.7	711.7	719.8	735.8	753.9	774.0	798.1	816.1	835.2
27.5°	666.6	672.6	677.6	686.6	691.7	704.7	721.8	741.9	771.0	786.0	802.1
30°	641.5	647.5	651.5	655.5	662.6	676.6	692.7	708.7	735.8	754.9	771.0
32.5°	616.4	622.4	627.4	630.4	637.5	646.5	659.5	679.6	702.7	715.8	736.8
35°	594.3	594.3	600.3	604.3	610.4	618.4	630.4	645.5	669.6	686.6	705.7
37.5°	569.2	570.2	575.2	578.2	584.3	592.3	604.3	618.4	638.5	651.5	670.6
40°	543.1	546.1	548.1	553.1	560.2	563.2	575.2	591.3	611.4	623.4	639.5
42.5°	517.0	519.0	524.0	528.0	534.1	539.1	547.1	562.2	577.2	595.3	608.3
45°	487.9	492.9	495.9	502.9	505.9	511.0	519.0	531.0	549.1	560.2	575.2
47.5°	462.8	464.8	466.8	475.8	481.9	484.9	492.9	499.9	519.0	529.0	543.1
50°	435.7	435.7	438.7	442.7	449.7	455.8	462.8	470.8	485.9	495.9	510.0
52.5°	410.6	407.6	409.6	411.6	418.6	424.6	431.7	442.7	456.8	462.8	474.8
55°	383.5	378.5	381.5	384.5	386.5	394.5	402.6	409.6	420.6	429.7	440.7
57.5°	354.4	353.4	351.4	352.4	357.4	362.4	368.4	377.5	390.5	397.5	403.6
60°	328.3	322.2	320.2	322.2	325.3	328.3	336.3	344.3	355.4	362.4	369.4
62.5°	301.2	295.1	291.1	288.1	291.1	298.1	303.2	309.2	318.2	326.3	332.3
65°	275.1	266.0	262.0	260.0	259.0	264.0	268.0	276.1	284.1	287.1	294.1
67.5°	245.9	237.9	232.9	229.9	229.9	229.9	233.9	241.9	250.0	251.0	258.0
70°	216.8	207.8	202.8	198.8	196.8	198.8	203.8	204.8	211.8	213.8	217.8
72.5°	185.7	177.7	171.7	166.6	167.6	169.7	169.7	171.7	175.7	180.7	180.7
75°	156.6	145.6	142.5	138.5	136.5	136.5	136.5	140.5	143.6	147.6	146.6
77.5°	123.5	117.5	111.4	109.4	106.4	105.4	107.4	107.4	109.4	112.4	113.4
80°	95.4	88.3	84.3	82.3	78.3	77.3	78.3	78.3	81.3	80.3	81.3
82.5°	66.3	61.2	58.2	55.2	53.2	54.2	53.2	53.2	54.2	53.2	53.2
85°	38.1	37.1	35.1	34.1	33.1	31.1	33.1	32.1	31.1	30.1	32.1
87.5°	18.1	17.1	17.1	15.1	15.1	14.1	15.1	15.1	14.1	14.1	14.1
90°	7.0	6.6	6.3	5.9	5.5	5.0	4.4	3.9	3.4	3.1	2.8
92.5°	7.0	6.6	6.3	5.9	5.5	5.0	4.6	4.1	3.6	3.4	3.7
95°	7.0	6.6	6.3	5.9	5.5	8.4	11.3	14.2	17.1	18.5	18.6
97.5°	6.7	6.6	6.5	6.3	6.2	13.4	20.6	27.8	35.0	38.6	38.4
100°	14.3	25.6	36.9	48.2	59.5	59.2	58.9	58.6	58.3	58.1	58.0
102.5°	80.6	80.5	80.3	80.2	80.0	79.9	79.7	79.6	79.5	79.4	79.2
105°	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.8
107.5°	124.8	124.7	124.6	124.6	124.5	124.3	124.2	124.0	123.9	123.8	123.8
110°	146.1	146.4	146.6	146.9	147.1	146.9	146.8	146.6	146.5	146.4	146.4

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	167.8	168.1	168.4	168.7	169.0	168.9	168.8	168.7	168.6	168.6	168.5
115°	189.7	190.0	190.3	190.6	190.9	190.8	190.7	190.6	190.5	190.5	190.3
117.5°	210.5	211.0	211.5	211.9	212.4	212.1	211.8	211.5	211.2	211.0	211.0
120°	231.7	231.8	231.9	232.1	232.2	232.0	231.8	231.5	231.3	231.2	231.2
122.5°	251.1	251.2	251.4	251.5	251.7	251.6	251.6	251.5	251.4	251.4	251.2
125°	269.7	270.0	270.3	270.6	270.9	270.9	270.9	270.9	270.9	270.9	270.6
127.5°	287.4	287.5	287.7	287.8	288.0	288.1	288.1	288.2	288.3	288.3	288.1
130°	304.2	304.4	304.7	304.9	305.1	305.0	304.9	304.8	304.7	304.7	304.5
132.5°	320.5	320.5	320.5	320.5	320.5	320.7	320.9	321.2	321.4	321.5	321.3
135°	335.6	335.7	335.9	336.0	336.2	336.4	336.5	336.7	336.8	336.9	336.7
137.5°	350.6	350.6	350.6	350.6	350.6	350.8	350.9	351.1	351.2	351.3	351.1
140°	364.2	364.1	363.9	363.8	363.6	363.7	363.7	363.8	363.9	363.9	363.8
142.5°	376.9	376.9	376.9	376.9	376.9	376.7	376.6	376.4	376.3	376.2	376.2
145°	389.2	389.1	389.0	389.0	388.9	388.9	388.9	388.9	388.9	388.9	388.8
147.5°	399.8	399.7	399.6	399.6	399.5	399.4	399.3	399.2	399.1	399.1	399.1
150°	410.0	409.9	409.7	409.6	409.4	409.2	409.1	408.9	408.8	408.7	408.8
152.5°	418.9	418.8	418.6	418.5	418.3	418.1	418.0	417.8	417.7	417.6	417.8
155°	427.1	426.9	426.6	426.4	426.2	426.0	425.9	425.7	425.6	425.5	425.7
157.5°	433.9	433.7	433.4	433.2	433.0	433.0	433.0	433.0	433.0	433.0	433.1
160°	440.4	440.1	439.8	439.5	439.2	439.1	439.0	438.9	438.8	438.8	439.0
162.5°	446.5	446.0	445.5	445.1	444.6	444.5	444.5	444.4	444.3	444.3	444.5
165°	451.3	450.8	450.3	449.9	449.4	449.3	449.3	449.2	449.1	449.1	449.3
167.5°	455.3	454.8	454.3	453.7	453.2	453.1	453.0	452.9	452.8	452.8	453.0
170°	458.4	457.8	457.1	456.5	455.9	455.8	455.8	455.7	455.6	455.6	455.9
172.5°	460.4	459.9	459.4	458.8	458.3	458.1	458.0	457.8	457.7	457.6	457.9
175°	462.1	461.5	460.9	460.3	459.7	459.6	459.5	459.4	459.3	459.3	459.5
177.5°	462.8	462.3	461.8	461.2	460.7	460.6	460.6	460.5	460.4	460.4	460.6
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1182.6	1182.6	1182.6	1182.6
2.5°	1154.4	1164.5	1171.5	1184.6
5°	1128.3	1146.4	1163.5	1181.6
7.5°	1102.2	1123.3	1150.4	1173.5
10°	1073.1	1100.2	1132.4	1163.5
12.5°	1044.0	1076.1	1111.3	1152.4
15°	1008.9	1050.0	1091.2	1135.4
17.5°	977.8	1019.9	1064.1	1119.3
20°	942.6	988.8	1037.0	1093.2
22.5°	911.5	962.7	1012.9	1072.1
25°	876.4	926.6	981.8	1045.0
27.5°	847.3	893.4	947.7	1015.9
30°	812.1	862.3	916.5	984.8
32.5°	779.0	827.2	884.4	951.7
35°	744.9	794.1	845.3	909.5
37.5°	712.7	754.9	806.1	867.3
40°	676.6	722.8	769.0	817.1
42.5°	643.5	685.6	728.8	767.0
45°	606.3	642.5	683.6	714.8
47.5°	572.2	604.3	636.5	660.5
50°	538.1	563.2	587.3	608.3
52.5°	497.9	526.0	539.1	552.1
55°	461.8	477.8	489.9	502.9
57.5°	426.6	433.7	439.7	451.7
60°	380.5	388.5	395.5	404.6
62.5°	340.3	344.3	346.3	355.4
65°	302.2	301.2	306.2	311.2
67.5°	261.0	260.0	265.0	267.0
70°	220.9	219.8	220.9	225.9
72.5°	182.7	182.7	183.7	185.7
75°	147.6	147.6	148.6	150.6
77.5°	111.4	113.4	112.4	116.4
80°	81.3	79.3	81.3	83.3
82.5°	53.2	55.2	55.2	53.2
85°	30.1	30.1	30.1	30.1
87.5°	13.1	13.1	14.1	15.1
90°	2.2	1.5	0.9	0.3
92.5°	4.4	5.1	5.8	6.5
95°	18.8	19.1	19.3	19.5
97.5°	37.9	37.5	37.0	36.6
100°	57.8	57.5	57.3	57.1
102.5°	78.9	78.6	78.3	78.0
105°	101.5	101.2	100.9	100.6
107.5°	123.8	123.8	123.8	123.8
110°	146.4	146.4	146.4	146.4

TEST NUMBER: P1027013

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	168.3	168.0	167.8	167.6
115°	189.9	189.6	189.2	188.8
117.5°	211.0	211.0	211.0	211.0
120°	231.3	231.4	231.5	231.6
122.5°	250.8	250.5	250.1	249.7
125°	270.1	269.6	269.0	268.5
127.5°	287.7	287.4	287.0	286.6
130°	304.1	303.8	303.4	303.0
132.5°	320.8	320.4	319.9	319.5
135°	336.2	335.7	335.3	334.8
137.5°	350.6	350.1	349.7	349.2
140°	363.7	363.5	363.4	363.2
142.5°	376.1	376.0	376.0	375.9
145°	388.7	388.5	388.4	388.2
147.5°	399.1	399.1	399.1	399.1
150°	408.9	409.1	409.2	409.4
152.5°	418.2	418.5	418.9	419.3
155°	426.2	426.6	427.1	427.5
157.5°	433.3	433.6	433.8	434.0
160°	439.5	440.0	440.4	440.9
162.5°	445.0	445.4	445.9	446.3
165°	449.8	450.2	450.7	451.1
167.5°	453.5	454.0	454.4	454.9
170°	456.4	456.9	457.5	458.0
172.5°	458.4	458.9	459.5	460.0
175°	460.0	460.5	460.9	461.4
177.5°	461.1	461.5	462.0	462.4
180°	461.4	461.4	461.4	461.4

(END OF REPORT)