

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: P1027276

Luminaire Tested: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027276
REPORT IS A COMBINATION OF REPORTS P1005807 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K
Description: Define 5 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

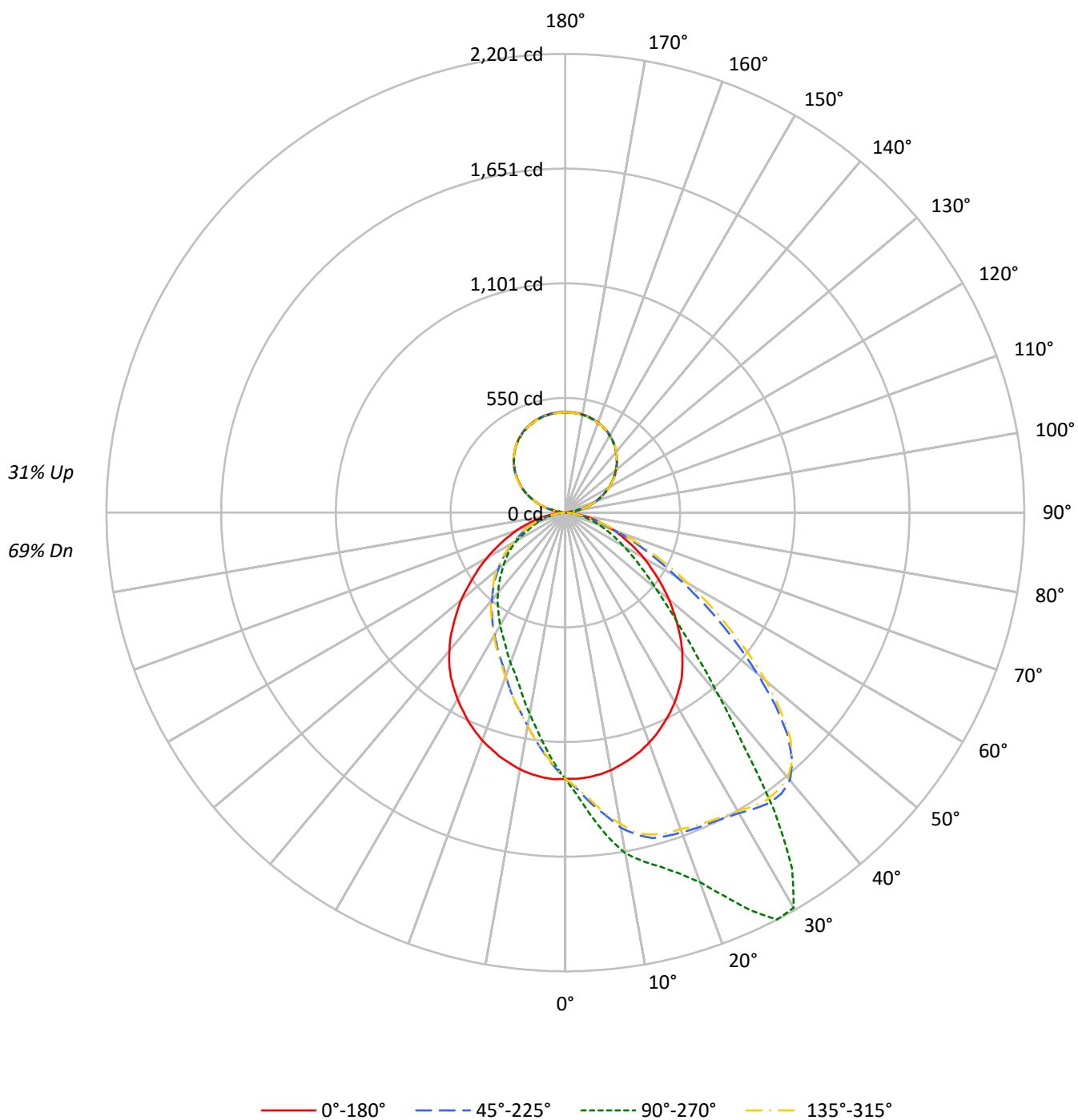
Lumens per Lamp: N/A
Luminaire Lumens: 4790.0 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

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	50	30	10
RCR																				
0	112	112	112	112	105	105	105	105	94	94	94	83	83	83	74	74	74	69		
1	103	98	95	91	97	93	90	87	83	81	79	74	73	71	66	65	63	59		
2	94	87	81	76	89	82	77	72	74	70	66	66	63	60	59	56	54	51		
3	86	77	69	64	81	73	66	61	66	60	56	59	55	51	53	49	47	44		
4	79	68	60	54	74	65	58	52	59	53	48	53	48	44	47	44	41	38		
5	73	61	53	47	69	58	51	45	53	47	42	48	43	39	43	39	36	33		
6	67	55	47	41	63	52	45	40	48	42	37	43	38	34	39	35	32	29		
7	62	50	42	36	59	48	40	35	43	37	33	39	34	30	36	31	28	26		
8	58	45	38	32	55	43	36	31	40	34	29	36	31	27	33	29	25	23		
9	54	42	34	29	51	40	33	28	36	30	26	33	28	25	30	26	23	21		
10	51	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	19		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8183	8183	8183	8183
5°	8177	9223	8177	7089
10°	8130	10365	8103	6128
15°	8042	10965	7987	5336
20°	7936	11837	7865	4823
25°	7796	13398	7708	4377
30°	7655	14241	7540	4058
35°	7473	11712	7367	3761
40°	7147	7953	7087	3494
45°	6720	5717	6711	3231
50°	6283	4397	6313	2988
55°	5791	3575	5779	2753
60°	5332	2930	5306	2445
65°	4799	2442	4829	1968
70°	4356	1959	4338	1639
75°	3679	1485	3679	1347
80°	2983	906	2947	906
85°	2098	476	2041	539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 11648 cd/sqm

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	2.6
10°-20°	359.1	7.5
20°-30°	569.3	11.9
30°-40°	688.0	14.4
40°-50°	612.5	12.8
50°-60°	469.7	9.8
60°-70°	305.0	6.4
70°-80°	148.0	3.1
80°-90°	35.5	0.7
90°-100°	16.4	0.3
100°-110°	108.8	2.3
110°-120°	195.8	4.1
120°-130°	251.4	5.2
130°-140°	270.4	5.6
140°-150°	253.8	5.3
150°-160°	205.3	4.3
160°-170°	132.7	2.8
170°-180°	45.8	1.0
0°-30°	1050.9	21.9
0°-40°	1738.9	36.3
0°-60°	2821.1	58.9
0°-90°	3309.7	69.1
90°-120°	321.0	6.7
90°-150°	1096.5	22.9
90°-180°	1480.0	30.9
0°-180°	4790.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1277	1277	1277	1277	1277	
5°	1274	1464	1274	1125	1274	121
15°	1221	1758	1212	856	1221	344
25°	1116	2106	1103	688	1116	514
35°	972	1747	958	561	972	605
45°	760	781	759	442	760	587
55°	537	429	536	330	537	481
65°	334	243	336	196	334	333
75°	162	113	162	103	162	174
85°	37	24	36	27	37	42
90°	0	9	0	9	0	3
95°	20	8	20	8	20	25
105°	105	106	105	106	105	111
115°	197	196	197	196	197	195
125°	280	280	280	280	280	251
135°	350	348	350	348	350	270
145°	406	404	406	404	406	254
155°	446	443	446	443	446	206
165°	471	469	471	469	471	133
175°	482	480	482	480	482	46
180°	482	482	482	482	482	

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2
2.5°	1278.3	1288.7	1291.9	1300.3	1309.7	1311.8	1317.1	1324.4	1328.6	1327.5	1327.5
5°	1274.1	1291.9	1304.5	1319.2	1337.0	1344.3	1350.6	1366.3	1378.9	1386.3	1398.9
7.5°	1266.7	1292.9	1313.9	1335.9	1363.2	1375.8	1389.4	1411.4	1434.5	1449.2	1462.8
10°	1255.2	1288.7	1318.1	1350.6	1387.3	1406.2	1423.0	1456.5	1484.8	1503.7	1535.2
12.5°	1238.4	1280.4	1321.3	1364.2	1410.4	1430.3	1453.4	1490.1	1529.9	1557.2	1583.4
15°	1220.6	1270.9	1315.0	1366.3	1421.9	1452.3	1481.7	1520.5	1556.1	1586.6	1617.0
17.5°	1199.6	1253.1	1307.6	1366.3	1429.3	1459.7	1484.8	1531.0	1568.7	1599.1	1626.4
20°	1174.5	1234.2	1296.1	1361.1	1425.1	1453.4	1477.5	1527.8	1561.4	1593.9	1632.7
22.5°	1147.2	1212.2	1278.3	1342.2	1405.1	1435.6	1463.9	1507.9	1544.6	1588.7	1639.0
25°	1115.7	1187.0	1254.1	1318.1	1377.9	1406.2	1431.4	1479.6	1531.0	1586.6	1643.2
27.5°	1084.3	1153.5	1218.5	1277.2	1342.2	1368.4	1393.6	1454.4	1515.3	1574.0	1651.6
30°	1049.7	1119.9	1176.5	1231.1	1294.0	1321.3	1352.7	1421.9	1491.1	1570.8	1665.2
32.5°	1010.9	1074.8	1127.3	1183.9	1240.5	1274.1	1313.9	1389.4	1469.1	1564.5	1685.1
35°	972.1	1023.4	1071.7	1125.2	1193.3	1229.0	1267.8	1347.5	1447.1	1561.4	1701.9
37.5°	922.8	972.1	1009.8	1064.3	1134.6	1176.5	1215.3	1307.6	1420.9	1554.0	1700.9
40°	872.4	914.4	950.0	1006.7	1083.2	1122.0	1164.0	1264.6	1393.6	1533.1	1675.7
42.5°	817.9	853.6	892.4	946.9	1021.4	1059.1	1107.3	1224.8	1355.9	1503.7	1610.7
45°	760.2	794.9	827.4	884.0	958.4	999.3	1051.8	1172.4	1309.7	1441.8	1505.8
47.5°	703.6	734.0	768.6	817.9	893.4	938.5	992.0	1121.0	1247.9	1359.0	1364.2
50°	649.1	673.2	702.6	752.9	831.6	874.5	930.1	1050.7	1174.5	1251.0	1199.6
52.5°	592.5	614.5	644.9	688.9	762.3	812.7	860.9	981.5	1085.3	1136.7	1042.3
55°	536.9	555.8	587.2	636.5	700.5	739.3	788.6	900.8	992.0	993.0	890.3
57.5°	482.4	499.1	525.4	569.4	629.2	674.3	719.4	816.9	878.7	860.9	746.6
60°	434.1	444.6	468.7	511.7	567.3	599.8	648.0	729.8	770.7	738.2	615.5
62.5°	383.8	394.3	413.2	447.8	500.2	534.8	565.2	632.3	660.6	611.3	510.7
65°	333.5	346.0	359.7	386.9	436.2	459.3	486.6	535.8	563.1	505.4	418.4
67.5°	289.4	295.7	309.3	337.7	372.3	393.2	412.1	445.7	450.9	404.8	333.5
70°	248.5	250.6	263.2	280.0	306.2	318.8	334.5	354.4	354.4	316.7	260.1
72.5°	202.4	205.5	215.0	232.8	248.5	254.8	260.1	272.6	270.5	235.9	197.1
75°	162.5	164.6	172.0	180.4	186.7	198.2	202.4	200.3	199.2	169.9	147.9
77.5°	125.8	126.9	132.1	139.5	140.5	144.7	141.6	141.6	132.1	115.3	103.8
80°	92.3	93.3	95.4	97.5	97.5	97.5	97.5	92.3	86.0	75.5	72.4
82.5°	61.9	61.9	62.9	65.0	64.0	61.9	59.8	54.5	50.3	47.2	45.1
85°	36.7	36.7	37.8	36.7	32.5	31.5	29.4	28.3	27.3	26.2	26.2
87.5°	17.8	16.8	14.7	12.6	12.6	12.6	12.6	12.6	12.6	11.5	11.5
90°	0.4	1.0	1.6	2.3	2.9	3.2	3.5	4.0	4.6	5.1	5.7
92.5°	6.8	6.1	5.4	4.7	4.0	3.6	3.8	4.3	4.8	5.2	5.7
95°	20.4	20.2	19.9	19.7	19.4	19.3	17.8	14.8	11.7	8.7	5.7
97.5°	38.2	38.7	39.2	39.7	40.2	40.4	36.6	29.1	21.5	14.0	6.4
100°	59.7	59.9	60.1	60.4	60.6	60.7	60.9	61.2	61.5	61.9	62.2
102.5°	81.4	81.7	82.1	82.4	82.7	82.9	83.0	83.1	83.3	83.4	83.6
105°	105.0	105.3	105.7	106.0	106.3	106.5	106.5	106.5	106.5	106.5	106.5
107.5°	129.3	129.3	129.3	129.3	129.3	129.3	129.4	129.5	129.7	129.8	130.0
110°	152.9	152.9	152.9	152.9	152.9	152.9	153.0	153.1	153.3	153.4	153.6

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	175.0	175.2	175.5	175.7	176.0	176.1	176.1	176.2	176.3	176.4	176.5
115°	197.2	197.6	198.0	198.4	198.8	199.0	199.0	199.1	199.2	199.2	199.3
117.5°	220.4	220.4	220.4	220.4	220.4	220.4	220.6	220.9	221.2	221.5	221.8
120°	241.8	241.7	241.7	241.6	241.5	241.5	241.6	241.9	242.1	242.4	242.6
122.5°	260.8	261.2	261.6	262.0	262.4	262.6	262.6	262.7	262.8	262.8	262.9
125°	280.4	281.0	281.5	282.1	282.6	282.9	282.9	282.9	282.9	282.9	282.9
127.5°	299.4	299.8	300.2	300.5	300.9	301.1	301.1	301.0	300.9	300.9	300.8
130°	316.5	316.9	317.3	317.7	318.1	318.3	318.3	318.4	318.5	318.5	318.6
132.5°	333.6	334.1	334.6	335.1	335.6	335.8	335.7	335.4	335.2	334.9	334.7
135°	349.7	350.2	350.7	351.2	351.7	351.9	351.8	351.7	351.5	351.4	351.2
137.5°	364.7	365.2	365.7	366.2	366.7	366.9	366.8	366.7	366.5	366.4	366.2
140°	379.4	379.6	379.7	379.9	380.0	380.1	380.1	380.0	379.9	379.8	379.7
142.5°	392.6	392.7	392.7	392.8	392.9	392.9	393.0	393.2	393.3	393.5	393.7
145°	405.5	405.7	405.8	406.0	406.1	406.2	406.2	406.2	406.2	406.2	406.2
147.5°	416.9	416.9	416.9	416.9	416.9	416.9	416.9	417.0	417.1	417.1	417.2
150°	427.6	427.4	427.3	427.1	427.0	426.9	427.0	427.1	427.3	427.4	427.6
152.5°	438.0	437.6	437.2	436.8	436.4	436.2	436.3	436.4	436.6	436.7	436.9
155°	446.5	446.0	445.6	445.1	444.6	444.4	444.5	444.6	444.8	444.9	445.1
157.5°	453.3	453.1	452.8	452.6	452.3	452.2	452.2	452.2	452.2	452.2	452.2
160°	460.5	460.0	459.5	459.0	458.5	458.3	458.3	458.4	458.5	458.6	458.7
162.5°	466.2	465.7	465.2	464.7	464.2	464.0	464.0	464.1	464.2	464.3	464.4
165°	471.2	470.7	470.2	469.7	469.2	469.0	469.0	469.1	469.2	469.3	469.4
167.5°	475.1	474.6	474.2	473.7	473.2	473.0	473.0	473.1	473.2	473.2	473.3
170°	478.3	477.7	477.2	476.6	476.1	475.8	475.8	475.9	476.0	476.1	476.2
172.5°	480.5	479.9	479.4	478.8	478.3	478.0	478.1	478.2	478.4	478.5	478.7
175°	481.9	481.4	481.0	480.5	480.0	479.8	479.8	479.9	480.0	480.0	480.1
177.5°	483.0	482.5	482.0	481.5	481.0	480.8	480.8	480.9	481.0	481.1	481.2
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2
2.5°	1332.8	1340.1	1346.4	1343.3	1355.9	1354.8	1356.9	1361.1	1362.2	1360.1	1355.9
5°	1405.1	1415.6	1433.5	1442.9	1440.8	1449.2	1453.4	1459.7	1466.0	1463.9	1463.9
7.5°	1485.9	1500.6	1518.4	1542.5	1545.7	1553.0	1565.6	1565.6	1572.9	1569.8	1568.7
10°	1556.1	1574.0	1602.3	1621.2	1629.5	1633.7	1646.3	1650.5	1658.9	1660.0	1660.0
12.5°	1613.8	1645.3	1664.2	1683.0	1687.2	1693.5	1703.0	1709.2	1712.4	1712.4	1709.2
15°	1644.2	1669.4	1691.4	1711.3	1722.9	1728.1	1737.6	1744.9	1749.1	1758.5	1760.6
17.5°	1656.8	1687.2	1722.9	1751.2	1771.1	1776.4	1795.2	1801.5	1809.9	1814.1	1819.3
20°	1674.6	1718.7	1761.7	1796.3	1815.2	1828.8	1848.7	1878.1	1886.5	1886.5	1883.3
22.5°	1690.4	1747.0	1805.7	1861.3	1877.0	1904.3	1941.0	1972.4	1985.0	1990.3	1986.1
25°	1709.2	1786.8	1863.4	1932.6	1975.6	1995.5	2044.8	2082.6	2097.2	2105.6	2107.7
27.5°	1741.8	1839.3	1936.8	2024.9	2068.9	2092.0	2143.4	2175.9	2193.7	2201.0	2195.8
30°	1778.5	1898.0	2011.2	2089.9	2119.3	2147.6	2181.1	2193.7	2189.5	2189.5	2205.2
32.5°	1816.2	1939.9	2040.6	2092.0	2102.5	2098.3	2084.6	2046.9	2024.9	2024.9	2038.5
35°	1837.2	1944.1	1995.5	1978.7	1937.8	1913.7	1839.3	1797.3	1750.1	1747.0	1762.7
37.5°	1825.6	1871.8	1850.8	1740.7	1685.1	1639.0	1522.6	1476.5	1441.8	1393.6	1468.1
40°	1744.9	1729.2	1620.1	1461.8	1399.9	1334.9	1242.6	1196.5	1148.2	1140.9	1158.7
42.5°	1608.6	1515.3	1355.9	1202.8	1139.8	1093.7	1023.4	978.4	947.9	935.4	956.3
45°	1438.7	1291.9	1132.5	1010.9	941.7	917.5	853.6	813.7	790.7	781.2	795.9
47.5°	1231.1	1083.2	932.2	829.5	788.6	764.4	721.4	686.8	666.9	660.6	666.9
50°	1045.5	893.4	766.5	700.5	663.8	643.9	608.2	586.2	570.4	566.3	576.7
52.5°	885.0	746.6	650.1	591.4	567.3	550.5	525.4	506.5	497.0	492.8	500.2
55°	741.4	629.2	551.6	501.2	483.4	472.9	450.9	440.4	429.9	428.9	436.2
57.5°	614.5	536.9	465.6	429.9	424.7	409.0	390.1	380.6	375.4	374.4	377.5
60°	511.7	442.5	399.5	368.1	360.7	348.1	337.7	331.4	325.1	323.0	325.1
62.5°	425.7	371.2	336.6	315.6	305.1	302.0	290.5	283.1	282.1	282.1	284.2
65°	351.3	305.1	283.1	266.3	259.0	255.9	247.5	242.2	243.3	243.3	244.3
67.5°	286.3	252.7	232.8	224.4	218.1	217.1	208.7	206.6	204.5	204.5	206.6
70°	227.5	206.6	191.9	187.7	186.7	179.3	176.2	175.1	172.0	173.0	173.0
72.5°	178.3	164.6	156.2	150.0	151.0	146.8	142.6	142.6	140.5	143.7	143.7
75°	132.1	125.8	119.5	117.4	119.5	117.4	114.3	113.3	114.3	113.3	113.3
77.5°	97.5	94.4	92.3	91.2	91.2	87.0	84.9	87.0	82.8	84.9	84.9
80°	68.2	64.0	62.9	60.8	61.9	58.7	59.8	57.7	57.7	57.7	57.7
82.5°	43.0	41.9	41.9	41.9	40.9	40.9	40.9	40.9	40.9	40.9	39.8
85°	26.2	25.2	25.2	25.2	24.1	24.1	24.1	24.1	24.1	24.1	24.1
87.5°	10.5	11.5	11.5	12.6	11.5	10.5	10.5	10.5	11.5	11.5	10.5
90°	6.1	6.5	6.9	7.3	7.5	7.6	7.9	8.1	8.4	8.6	8.4
92.5°	6.1	6.5	6.9	7.3	7.5	7.5	7.6	7.7	7.8	7.9	7.8
95°	6.1	6.5	6.9	7.3	7.5	7.5	7.5	7.5	7.5	7.5	7.5
97.5°	6.6	6.7	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.5	7.4
100°	50.4	38.5	26.7	14.8	8.9	8.7	8.4	8.1	7.8	7.5	7.8
102.5°	83.8	83.9	84.1	84.2	84.3	81.0	74.3	67.6	61.0	54.3	61.0
105°	106.5	106.5	106.5	106.5	106.5	106.5	106.4	106.3	106.2	106.1	106.2
107.5°	130.1	130.2	130.3	130.4	130.4	130.2	129.9	129.6	129.3	129.0	129.3
110°	153.4	153.1	152.9	152.6	152.5	152.5	152.6	152.7	152.8	152.9	152.8

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	176.2	175.8	175.5	175.2	175.0	174.9	174.8	174.6	174.5	174.3	174.5
115°	199.0	198.7	198.4	198.1	197.9	197.7	197.2	196.7	196.3	195.8	196.3
117.5°	221.3	220.9	220.4	219.9	219.7	219.6	219.5	219.3	219.2	219.0	219.2
120°	242.4	242.2	242.1	241.9	241.8	241.6	241.2	240.9	240.5	240.1	240.5
122.5°	262.7	262.6	262.4	262.3	262.2	262.0	261.5	261.0	260.6	260.1	260.6
125°	282.6	282.3	282.0	281.7	281.5	281.4	281.1	280.9	280.6	280.4	280.6
127.5°	300.6	300.5	300.3	300.2	300.1	299.8	299.1	298.5	297.8	297.2	297.8
130°	318.4	318.2	317.9	317.7	317.6	317.4	317.0	316.6	316.2	315.8	316.2
132.5°	334.7	334.7	334.7	334.7	334.7	334.5	334.1	333.7	333.3	332.9	333.3
135°	351.0	350.8	350.7	350.5	350.4	350.2	349.7	349.2	348.8	348.3	348.8
137.5°	366.2	366.2	366.2	366.2	366.2	366.0	365.6	365.2	364.8	364.4	364.8
140°	379.9	380.0	380.2	380.3	380.4	380.2	379.7	379.2	378.8	378.3	378.8
142.5°	393.7	393.7	393.7	393.7	393.7	393.5	393.0	392.5	392.0	391.5	392.0
145°	406.3	406.3	406.4	406.5	406.5	406.3	405.8	405.3	404.9	404.4	404.9
147.5°	417.3	417.4	417.5	417.6	417.6	417.3	416.8	416.2	415.7	415.1	415.7
150°	427.8	427.9	428.1	428.2	428.3	428.0	427.4	426.7	426.1	425.5	426.1
152.5°	437.1	437.2	437.4	437.5	437.6	437.3	436.8	436.2	435.7	435.1	435.7
155°	445.3	445.6	445.8	446.1	446.2	445.9	445.2	444.6	443.9	443.3	443.9
157.5°	452.4	452.7	452.9	453.2	453.3	453.0	452.4	451.7	451.1	450.5	451.1
160°	459.0	459.3	459.6	459.9	460.1	459.8	459.1	458.5	457.8	457.2	457.8
162.5°	464.9	465.3	465.8	466.3	466.5	466.1	465.4	464.7	464.0	463.3	464.0
165°	469.9	470.3	470.8	471.3	471.5	471.2	470.6	469.9	469.3	468.7	469.3
167.5°	473.9	474.4	475.0	475.5	475.8	475.4	474.7	474.0	473.3	472.6	473.3
170°	476.8	477.4	478.1	478.7	479.0	478.6	477.9	477.2	476.5	475.8	476.5
172.5°	479.3	479.8	480.4	480.9	481.2	480.8	480.1	479.4	478.7	478.0	478.7
175°	480.7	481.4	482.0	482.7	483.0	482.6	481.9	481.2	480.5	479.8	480.5
177.5°	481.8	482.3	482.9	483.4	483.7	483.4	482.7	482.1	481.4	480.8	481.4
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2
2.5°	1361.1	1353.8	1356.9	1353.8	1350.6	1347.5	1340.1	1329.6	1321.3	1315.0	1313.9
5°	1466.0	1456.5	1450.2	1447.1	1440.8	1432.4	1418.8	1403.0	1384.2	1376.8	1362.2
7.5°	1562.4	1559.3	1544.6	1542.5	1538.3	1522.6	1499.5	1478.5	1454.4	1434.5	1415.6
10°	1653.7	1646.3	1635.8	1621.2	1619.1	1599.1	1577.1	1547.8	1516.3	1497.4	1463.9
12.5°	1710.3	1701.9	1690.4	1680.9	1675.7	1663.1	1632.7	1603.3	1575.0	1540.4	1511.1
15°	1751.2	1740.7	1719.7	1712.4	1706.1	1689.3	1667.3	1636.9	1599.1	1575.0	1533.1
17.5°	1806.8	1794.2	1773.2	1759.6	1748.0	1721.8	1690.4	1649.5	1613.8	1586.6	1548.8
20°	1870.7	1851.9	1824.6	1806.8	1790.0	1759.6	1715.5	1667.3	1615.9	1582.4	1543.6
22.5°	1976.6	1941.0	1898.0	1872.8	1849.8	1797.3	1744.9	1685.1	1627.5	1577.1	1529.9
25°	2079.4	2043.8	1990.3	1955.7	1920.0	1859.2	1790.0	1707.1	1633.7	1575.0	1513.2
27.5°	2174.8	2138.1	2088.8	2046.9	2012.3	1921.1	1829.8	1736.5	1643.2	1562.4	1499.5
30°	2196.9	2181.1	2143.4	2106.7	2075.2	1991.3	1885.4	1766.9	1654.7	1550.9	1480.6
32.5°	2063.7	2102.5	2111.9	2106.7	2086.7	2027.0	1929.5	1804.7	1671.5	1545.7	1449.2
35°	1786.8	1857.1	1929.5	1968.3	1987.1	1995.5	1937.8	1823.5	1683.0	1537.3	1428.2
37.5°	1481.7	1549.9	1664.2	1721.8	1785.8	1869.7	1892.8	1819.3	1677.8	1531.0	1394.7
40°	1217.4	1304.5	1398.9	1451.3	1506.9	1657.9	1772.2	1763.8	1661.0	1507.9	1368.4
42.5°	990.9	1045.5	1128.3	1186.0	1254.1	1423.0	1576.1	1651.6	1610.7	1479.6	1334.9
45°	826.3	868.3	927.0	985.7	1027.6	1180.7	1362.2	1485.9	1524.7	1429.3	1283.5
47.5°	696.3	727.7	779.1	815.8	860.9	981.5	1138.8	1312.9	1394.7	1358.0	1229.0
50°	596.7	621.8	662.7	685.8	725.6	829.5	949.0	1131.5	1255.2	1259.4	1156.6
52.5°	509.6	534.8	569.4	589.3	613.4	683.7	804.3	958.4	1101.0	1153.5	1073.8
55°	443.6	458.2	486.6	502.3	524.3	592.5	669.0	800.1	949.0	1035.0	984.7
57.5°	382.7	398.5	416.3	428.9	444.6	499.1	568.3	666.9	814.8	908.1	891.3
60°	333.5	342.9	359.7	369.1	383.8	419.4	467.7	566.3	683.7	771.8	781.2
62.5°	287.3	295.7	307.2	315.6	325.1	353.4	389.0	459.3	562.1	657.5	670.1
65°	247.5	254.8	261.1	268.4	275.8	293.6	324.0	378.6	458.2	547.4	574.6
67.5°	211.8	213.9	223.4	224.4	228.6	242.2	264.3	308.3	366.0	437.3	472.9
70°	177.2	181.4	183.5	186.7	190.8	200.3	218.1	241.2	284.2	341.8	375.4
72.5°	143.7	144.7	147.9	150.0	154.1	161.5	169.9	187.7	215.0	256.9	287.3
75°	114.3	115.3	117.4	118.5	121.6	123.7	127.9	140.5	159.4	184.6	206.6
77.5°	86.0	88.1	90.2	90.2	91.2	93.3	95.4	99.6	109.1	125.8	144.7
80°	58.7	59.8	59.8	60.8	59.8	62.9	66.1	71.3	75.5	80.7	90.2
82.5°	40.9	40.9	40.9	41.9	41.9	43.0	43.0	44.0	45.1	48.2	52.4
85°	25.2	25.2	26.2	24.1	25.2	26.2	26.2	25.2	26.2	27.3	28.3
87.5°	10.5	10.5	11.5	11.5	11.5	11.5	10.5	11.5	10.5	11.5	11.5
90°	8.1	7.9	7.6	7.5	7.3	6.9	6.5	6.1	5.7	5.1	4.6
92.5°	7.7	7.6	7.5	7.5	7.3	6.9	6.5	6.1	5.7	5.2	4.8
95°	7.5	7.5	7.5	7.5	7.3	6.9	6.5	6.1	5.7	8.7	11.7
97.5°	7.3	7.2	7.1	7.1	7.0	6.9	6.7	6.6	6.4	14.0	21.5
100°	8.1	8.4	8.7	8.9	14.8	26.7	38.5	50.4	62.2	61.9	61.5
102.5°	67.6	74.3	81.0	84.3	84.2	84.1	83.9	83.8	83.6	83.4	83.3
105°	106.3	106.4	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
107.5°	129.6	129.9	130.2	130.4	130.4	130.3	130.2	130.1	130.0	129.8	129.7
110°	152.7	152.6	152.5	152.5	152.6	152.9	153.1	153.4	153.6	153.4	153.3



TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	174.6	174.8	174.9	175.0	175.2	175.5	175.8	176.2	176.5	176.4	176.3
115°	196.7	197.2	197.7	197.9	198.1	198.4	198.7	199.0	199.3	199.2	199.2
117.5°	219.3	219.5	219.6	219.7	219.9	220.4	220.9	221.3	221.8	221.5	221.2
120°	240.9	241.2	241.6	241.8	241.9	242.1	242.2	242.4	242.6	242.4	242.1
122.5°	261.0	261.5	262.0	262.2	262.3	262.4	262.6	262.7	262.9	262.8	262.8
125°	280.9	281.1	281.4	281.5	281.7	282.0	282.3	282.6	282.9	282.9	282.9
127.5°	298.5	299.1	299.8	300.1	300.2	300.3	300.5	300.6	300.8	300.9	300.9
130°	316.6	317.0	317.4	317.6	317.7	317.9	318.2	318.4	318.6	318.5	318.5
132.5°	333.7	334.1	334.5	334.7	334.7	334.7	334.7	334.7	334.7	334.9	335.2
135°	349.2	349.7	350.2	350.4	350.5	350.7	350.8	351.0	351.2	351.4	351.5
137.5°	365.2	365.6	366.0	366.2	366.2	366.2	366.2	366.2	366.2	366.4	366.5
140°	379.2	379.7	380.2	380.4	380.3	380.2	380.0	379.9	379.7	379.8	379.9
142.5°	392.5	393.0	393.5	393.7	393.7	393.7	393.7	393.7	393.7	393.5	393.3
145°	405.3	405.8	406.3	406.5	406.5	406.4	406.3	406.3	406.2	406.2	406.2
147.5°	416.2	416.8	417.3	417.6	417.6	417.5	417.4	417.3	417.2	417.1	417.1
150°	426.7	427.4	428.0	428.3	428.2	428.1	427.9	427.8	427.6	427.4	427.3
152.5°	436.2	436.8	437.3	437.6	437.5	437.4	437.2	437.1	436.9	436.7	436.6
155°	444.6	445.2	445.9	446.2	446.1	445.8	445.6	445.3	445.1	444.9	444.8
157.5°	451.7	452.4	453.0	453.3	453.2	452.9	452.7	452.4	452.2	452.2	452.2
160°	458.5	459.1	459.8	460.1	459.9	459.6	459.3	459.0	458.7	458.6	458.5
162.5°	464.7	465.4	466.1	466.5	466.3	465.8	465.3	464.9	464.4	464.3	464.2
165°	469.9	470.6	471.2	471.5	471.3	470.8	470.3	469.9	469.4	469.3	469.2
167.5°	474.0	474.7	475.4	475.8	475.5	475.0	474.4	473.9	473.3	473.2	473.2
170°	477.2	477.9	478.6	479.0	478.7	478.1	477.4	476.8	476.2	476.1	476.0
172.5°	479.4	480.1	480.8	481.2	480.9	480.4	479.8	479.3	478.7	478.5	478.4
175°	481.2	481.9	482.6	483.0	482.7	482.0	481.4	480.7	480.1	480.0	480.0
177.5°	482.1	482.7	483.4	483.7	483.4	482.9	482.3	481.8	481.2	481.1	481.0
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2
2.5°	1310.8	1304.5	1300.3	1299.2	1292.9	1287.7	1281.4	1280.4	1277.2	1268.8	1263.6
5°	1351.7	1337.0	1333.8	1324.4	1308.7	1297.1	1282.5	1274.1	1264.6	1248.9	1236.3
7.5°	1393.6	1373.7	1359.0	1345.4	1323.4	1302.4	1281.4	1264.6	1247.9	1224.8	1205.9
10°	1434.5	1404.1	1386.3	1366.3	1335.9	1304.5	1275.1	1251.0	1223.7	1196.5	1169.2
12.5°	1472.3	1433.5	1407.2	1378.9	1341.2	1302.4	1264.6	1231.1	1202.8	1166.1	1135.7
15°	1495.3	1452.3	1426.1	1398.9	1342.2	1299.2	1255.2	1212.2	1174.5	1135.7	1107.3
17.5°	1509.0	1460.7	1431.4	1406.2	1348.5	1289.8	1233.2	1187.0	1146.1	1100.0	1062.2
20°	1502.7	1455.5	1428.2	1404.1	1337.0	1278.3	1217.4	1164.0	1112.6	1065.4	1025.5
22.5°	1489.0	1439.8	1409.3	1387.3	1327.5	1258.3	1191.2	1133.6	1080.1	1032.9	987.8
25°	1459.7	1411.4	1385.2	1358.0	1299.2	1233.2	1165.0	1103.1	1046.5	996.2	945.9
27.5°	1433.5	1374.7	1347.5	1323.4	1261.5	1202.8	1135.7	1067.5	1009.8	957.4	907.1
30°	1403.0	1337.0	1307.6	1275.1	1219.5	1164.0	1096.9	1033.9	974.2	918.6	870.4
32.5°	1370.5	1294.0	1260.4	1223.7	1167.1	1114.7	1058.1	996.2	936.4	881.9	831.6
35°	1328.6	1246.8	1208.0	1173.4	1114.7	1062.2	1009.8	958.4	898.7	841.0	792.8
37.5°	1288.7	1198.6	1157.7	1117.8	1056.0	1005.6	962.6	914.4	856.7	801.1	755.0
40°	1243.7	1139.8	1097.9	1061.2	997.2	941.7	902.9	865.1	814.8	761.3	711.0
42.5°	1202.8	1085.3	1041.3	1003.5	936.4	884.0	847.3	815.8	771.8	722.5	671.1
45°	1146.1	1026.6	981.5	941.7	873.5	824.2	786.5	759.2	724.6	678.5	632.3
47.5°	1093.7	970.0	920.7	872.4	810.6	760.2	725.6	704.7	681.6	640.7	593.5
50°	1029.7	905.0	854.6	814.8	744.5	701.5	666.9	652.2	631.3	592.5	554.7
52.5°	960.5	842.0	794.9	746.6	681.6	639.7	609.2	592.5	575.7	547.4	511.7
55°	879.8	771.8	727.7	684.7	619.7	580.9	553.7	535.8	526.4	500.2	474.0
57.5°	802.2	700.5	659.6	619.7	563.1	519.1	501.2	485.5	471.9	453.0	431.0
60°	723.5	631.3	587.2	551.6	502.3	462.4	447.8	432.0	421.5	406.9	391.1
62.5°	633.4	554.7	521.2	487.6	445.7	414.2	397.4	384.8	371.2	361.8	348.1
65°	537.9	482.4	449.9	424.7	384.8	356.5	343.9	335.6	324.0	314.6	304.1
67.5°	448.8	404.8	391.1	363.9	333.5	308.3	298.9	288.4	278.9	273.7	264.3
70°	362.8	331.4	317.7	310.4	276.8	260.1	251.7	247.5	235.9	230.7	224.4
72.5°	281.0	269.5	260.1	250.6	228.6	218.1	208.7	204.5	196.1	191.9	189.8
75°	207.6	200.3	195.0	194.0	184.6	174.1	164.6	162.5	156.2	152.0	150.0
77.5°	145.8	143.7	142.6	143.7	137.4	131.1	129.0	126.9	119.5	118.5	118.5
80°	95.4	100.7	100.7	99.6	97.5	96.5	93.3	91.2	87.0	86.0	87.0
82.5°	58.7	61.9	62.9	65.0	64.0	62.9	60.8	59.8	60.8	58.7	59.8
85°	29.4	31.5	35.7	35.7	36.7	36.7	36.7	35.7	33.6	34.6	33.6
87.5°	11.5	12.6	12.6	12.6	11.5	14.7	15.7	15.7	15.7	13.6	13.6
90°	4.0	3.5	3.2	2.9	2.3	1.6	1.0	0.4	1.0	1.6	2.3
92.5°	4.3	3.8	3.6	4.0	4.7	5.4	6.1	6.8	6.1	5.4	4.7
95°	14.8	17.8	19.3	19.4	19.7	19.9	20.2	20.4	20.2	19.9	19.7
97.5°	29.1	36.6	40.4	40.2	39.7	39.2	38.7	38.2	38.7	39.2	39.7
100°	61.2	60.9	60.7	60.6	60.4	60.1	59.9	59.7	59.9	60.1	60.4
102.5°	83.1	83.0	82.9	82.7	82.4	82.1	81.7	81.4	81.7	82.1	82.4
105°	106.5	106.5	106.5	106.3	106.0	105.7	105.3	105.0	105.3	105.7	106.0
107.5°	129.5	129.4	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3
110°	153.1	153.0	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	176.2	176.1	176.1	176.0	175.7	175.5	175.2	175.0	175.2	175.5	175.7
115°	199.1	199.0	199.0	198.8	198.4	198.0	197.6	197.2	197.6	198.0	198.4
117.5°	220.9	220.6	220.4	220.4	220.4	220.4	220.4	220.4	220.4	220.4	220.4
120°	241.9	241.6	241.5	241.5	241.6	241.7	241.7	241.8	241.7	241.7	241.6
122.5°	262.7	262.6	262.6	262.4	262.0	261.6	261.2	260.8	261.2	261.6	262.0
125°	282.9	282.9	282.9	282.6	282.1	281.5	281.0	280.4	281.0	281.5	282.1
127.5°	301.0	301.1	301.1	300.9	300.5	300.2	299.8	299.4	299.8	300.2	300.5
130°	318.4	318.3	318.3	318.1	317.7	317.3	316.9	316.5	316.9	317.3	317.7
132.5°	335.4	335.7	335.8	335.6	335.1	334.6	334.1	333.6	334.1	334.6	335.1
135°	351.7	351.8	351.9	351.7	351.2	350.7	350.2	349.7	350.2	350.7	351.2
137.5°	366.7	366.8	366.9	366.7	366.2	365.7	365.2	364.7	365.2	365.7	366.2
140°	380.0	380.1	380.1	380.0	379.9	379.7	379.6	379.4	379.6	379.7	379.9
142.5°	393.2	393.0	392.9	392.9	392.8	392.7	392.7	392.6	392.7	392.7	392.8
145°	406.2	406.2	406.2	406.1	406.0	405.8	405.7	405.5	405.7	405.8	406.0
147.5°	417.0	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9
150°	427.1	427.0	426.9	427.0	427.1	427.3	427.4	427.6	427.4	427.3	427.1
152.5°	436.4	436.3	436.2	436.4	436.8	437.2	437.6	438.0	437.6	437.2	436.8
155°	444.6	444.5	444.4	444.6	445.1	445.6	446.0	446.5	446.0	445.6	445.1
157.5°	452.2	452.2	452.2	452.3	452.6	452.8	453.1	453.3	453.1	452.8	452.6
160°	458.4	458.3	458.3	458.5	459.0	459.5	460.0	460.5	460.0	459.5	459.0
162.5°	464.1	464.0	464.0	464.2	464.7	465.2	465.7	466.2	465.7	465.2	464.7
165°	469.1	469.0	469.0	469.2	469.7	470.2	470.7	471.2	470.7	470.2	469.7
167.5°	473.1	473.0	473.0	473.2	473.7	474.2	474.6	475.1	474.6	474.2	473.7
170°	475.9	475.8	475.8	476.1	476.6	477.2	477.7	478.3	477.7	477.2	476.6
172.5°	478.2	478.1	478.0	478.3	478.8	479.4	479.9	480.5	479.9	479.4	478.8
175°	479.9	479.8	479.8	480.0	480.5	481.0	481.4	481.9	481.4	481.0	480.5
177.5°	480.9	480.8	480.8	481.0	481.5	482.0	482.5	483.0	482.5	482.0	481.5
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2
2.5°	1260.4	1256.2	1253.1	1250.0	1236.3	1221.6	1219.5	1216.4	1210.1	1217.4	1214.3
5°	1227.9	1218.5	1213.2	1199.6	1182.8	1170.3	1159.8	1147.2	1141.9	1137.7	1136.7
7.5°	1188.1	1179.7	1170.3	1156.6	1135.7	1114.7	1098.9	1086.4	1075.9	1070.6	1070.6
10°	1149.3	1138.8	1126.2	1103.1	1083.2	1057.0	1040.2	1027.6	1013.0	1004.6	997.2
12.5°	1109.4	1097.9	1086.4	1057.0	1033.9	1006.7	982.6	966.8	959.5	950.0	937.5
15°	1069.6	1051.8	1040.2	1010.9	981.5	954.2	938.5	921.7	905.0	895.5	891.3
17.5°	1027.6	1015.1	996.2	964.7	932.2	908.1	885.0	869.3	849.4	839.9	830.5
20°	989.9	971.0	952.1	920.7	889.2	856.7	833.6	814.8	802.2	794.9	786.5
22.5°	944.8	927.0	911.2	877.7	843.1	812.7	787.5	776.0	763.4	751.9	743.5
25°	906.0	888.2	872.4	835.7	798.0	769.7	750.8	736.1	722.5	717.3	708.9
27.5°	865.1	848.3	827.4	790.7	757.1	733.0	713.1	699.4	688.9	678.5	672.2
30°	826.3	807.4	788.6	748.7	721.4	697.3	678.5	661.7	653.3	648.0	637.6
32.5°	788.6	764.4	748.7	712.0	685.8	662.7	647.0	632.3	621.8	612.4	604.0
35°	747.7	721.4	705.7	675.3	648.0	625.0	611.3	600.9	588.3	579.9	575.7
37.5°	708.9	686.8	671.1	639.7	612.4	593.5	578.8	565.2	560.0	548.4	546.3
40°	666.9	648.0	633.4	603.0	577.8	563.1	547.4	534.8	525.4	520.1	512.8
42.5°	629.2	613.4	597.7	569.4	545.3	527.5	515.9	504.4	496.0	487.6	482.4
45°	594.6	577.8	563.1	535.8	511.7	496.0	484.5	470.8	468.7	457.2	452.0
47.5°	557.9	543.2	530.6	502.3	480.3	464.5	450.9	441.5	432.0	427.8	420.5
50°	522.2	507.5	492.8	467.7	447.8	432.0	418.4	407.9	402.7	396.4	390.1
52.5°	483.4	471.9	460.3	434.1	414.2	400.6	389.0	375.4	370.2	364.9	360.7
55°	450.9	434.1	421.5	399.5	381.7	367.0	354.4	343.9	338.7	334.5	329.3
57.5°	406.9	396.4	385.9	366.0	349.2	334.5	321.9	313.5	307.2	304.1	305.1
60°	369.1	357.6	351.3	330.3	313.5	302.0	290.5	282.1	275.8	272.6	271.6
62.5°	329.3	320.9	309.3	294.7	277.9	267.4	259.0	252.7	242.2	241.2	238.0
65°	290.5	284.2	273.7	260.1	246.4	237.0	227.5	219.2	215.0	209.7	206.6
67.5°	252.7	246.4	237.0	225.5	216.0	206.6	198.2	189.8	182.5	178.3	176.2
70°	216.0	210.8	204.5	190.8	179.3	172.0	165.7	160.4	153.1	151.0	150.0
72.5°	180.4	175.1	172.0	160.4	150.0	143.7	137.4	132.1	129.0	127.9	124.8
75°	147.9	142.6	138.4	127.9	121.6	117.4	111.2	109.1	105.9	104.9	103.8
77.5°	115.3	110.1	109.1	101.7	94.4	92.3	90.2	86.0	86.0	86.0	83.9
80°	82.8	81.8	80.7	73.4	70.3	68.2	67.1	64.0	61.9	59.8	58.7
82.5°	55.6	54.5	53.5	50.3	47.2	46.1	45.1	43.0	43.0	44.0	41.9
85°	33.6	31.5	30.4	29.4	27.3	27.3	28.3	27.3	27.3	27.3	26.2
87.5°	12.6	12.6	12.6	12.6	13.6	11.5	12.6	12.6	11.5	11.5	10.5
90°	2.9	3.2	3.5	4.0	4.6	5.1	5.7	6.1	6.5	6.9	7.3
92.5°	4.0	3.6	3.8	4.3	4.8	5.2	5.7	6.1	6.5	6.9	7.3
95°	19.4	19.3	17.8	14.8	11.7	8.7	5.7	6.1	6.5	6.9	7.3
97.5°	40.2	40.4	36.6	29.1	21.5	14.0	6.4	6.6	6.7	6.9	7.0
100°	60.6	60.7	60.9	61.2	61.5	61.9	62.2	50.4	38.5	26.7	14.8
102.5°	82.7	82.9	83.0	83.1	83.3	83.4	83.6	83.8	83.9	84.1	84.2
105°	106.3	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
107.5°	129.3	129.3	129.4	129.5	129.7	129.8	130.0	130.1	130.2	130.3	130.4
110°	152.9	152.9	153.0	153.1	153.3	153.4	153.6	153.4	153.1	152.9	152.6

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	176.0	176.1	176.1	176.2	176.3	176.4	176.5	176.2	175.8	175.5	175.2
115°	198.8	199.0	199.0	199.1	199.2	199.2	199.3	199.0	198.7	198.4	198.1
117.5°	220.4	220.4	220.6	220.9	221.2	221.5	221.8	221.3	220.9	220.4	219.9
120°	241.5	241.5	241.6	241.9	242.1	242.4	242.6	242.4	242.2	242.1	241.9
122.5°	262.4	262.6	262.6	262.7	262.8	262.8	262.9	262.7	262.6	262.4	262.3
125°	282.6	282.9	282.9	282.9	282.9	282.9	282.9	282.6	282.3	282.0	281.7
127.5°	300.9	301.1	301.1	301.0	300.9	300.9	300.8	300.6	300.5	300.3	300.2
130°	318.1	318.3	318.3	318.4	318.5	318.5	318.6	318.4	318.2	317.9	317.7
132.5°	335.6	335.8	335.7	335.4	335.2	334.9	334.7	334.7	334.7	334.7	334.7
135°	351.7	351.9	351.8	351.7	351.5	351.4	351.2	351.0	350.8	350.7	350.5
137.5°	366.7	366.9	366.8	366.7	366.5	366.4	366.2	366.2	366.2	366.2	366.2
140°	380.0	380.1	380.1	380.0	379.9	379.8	379.7	379.9	380.0	380.2	380.3
142.5°	392.9	392.9	393.0	393.2	393.3	393.5	393.7	393.7	393.7	393.7	393.7
145°	406.1	406.2	406.2	406.2	406.2	406.2	406.2	406.3	406.3	406.4	406.5
147.5°	416.9	416.9	416.9	417.0	417.1	417.1	417.2	417.3	417.4	417.5	417.6
150°	427.0	426.9	427.0	427.1	427.3	427.4	427.6	427.8	427.9	428.1	428.2
152.5°	436.4	436.2	436.3	436.4	436.6	436.7	436.9	437.1	437.2	437.4	437.5
155°	444.6	444.4	444.5	444.6	444.8	444.9	445.1	445.3	445.6	445.8	446.1
157.5°	452.3	452.2	452.2	452.2	452.2	452.2	452.2	452.4	452.7	452.9	453.2
160°	458.5	458.3	458.3	458.4	458.5	458.6	458.7	459.0	459.3	459.6	459.9
162.5°	464.2	464.0	464.0	464.1	464.2	464.3	464.4	464.9	465.3	465.8	466.3
165°	469.2	469.0	469.0	469.1	469.2	469.3	469.4	469.9	470.3	470.8	471.3
167.5°	473.2	473.0	473.0	473.1	473.2	473.2	473.3	473.9	474.4	475.0	475.5
170°	476.1	475.8	475.8	475.9	476.0	476.1	476.2	476.8	477.4	478.1	478.7
172.5°	478.3	478.0	478.1	478.2	478.4	478.5	478.7	479.3	479.8	480.4	480.9
175°	480.0	479.8	479.8	479.9	480.0	480.0	480.1	480.7	481.4	482.0	482.7
177.5°	481.0	480.8	480.8	480.9	481.0	481.1	481.2	481.8	482.3	482.9	483.4
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2
2.5°	1209.1	1211.2	1205.9	1203.8	1199.6	1204.9	1205.9	1204.9	1214.3	1210.1	1212.2
5°	1138.8	1134.6	1131.5	1124.1	1124.1	1125.2	1128.3	1123.1	1126.2	1133.6	1132.5
7.5°	1061.2	1059.1	1060.2	1051.8	1045.5	1047.6	1045.5	1054.9	1060.2	1058.1	1062.2
10°	990.9	995.1	985.7	981.5	977.3	981.5	980.5	982.6	988.8	993.0	1000.4
12.5°	934.3	933.3	928.0	923.8	916.5	918.6	924.9	922.8	923.8	933.3	932.2
15°	880.8	874.5	870.4	860.9	863.0	855.7	862.0	869.3	872.4	880.8	886.1
17.5°	827.4	826.3	821.1	820.0	808.5	805.3	811.6	813.7	816.9	821.1	828.4
20°	782.3	781.2	773.9	771.8	762.3	768.6	766.5	770.7	772.8	781.2	784.4
22.5°	741.4	736.1	734.0	730.9	727.7	726.7	730.9	729.8	737.2	740.3	741.4
25°	703.6	699.4	698.4	693.1	691.0	687.9	691.0	694.2	702.6	705.7	709.9
27.5°	669.0	665.9	663.8	659.6	656.4	656.4	658.5	662.7	665.9	668.0	670.1
30°	637.6	635.5	629.2	627.1	623.9	623.9	623.9	626.0	631.3	637.6	640.7
32.5°	605.1	600.9	596.7	596.7	593.5	593.5	594.6	596.7	601.9	603.0	608.2
35°	573.6	569.4	566.3	564.2	565.2	561.0	563.1	566.3	572.5	574.6	577.8
37.5°	543.2	542.1	535.8	532.7	534.8	534.8	533.7	535.8	540.0	544.2	546.3
40°	509.6	507.5	507.5	504.4	505.4	501.2	504.4	506.5	508.6	512.8	515.9
42.5°	480.3	478.2	474.0	475.0	471.9	471.9	474.0	475.0	478.2	483.4	485.5
45°	448.8	448.8	446.7	443.6	444.6	441.5	443.6	444.6	448.8	454.1	452.0
47.5°	418.4	417.3	417.3	413.2	415.3	412.1	415.3	416.3	418.4	421.5	420.5
50°	389.0	385.9	386.9	385.9	384.8	384.8	386.9	386.9	389.0	389.0	392.2
52.5°	358.6	358.6	356.5	357.6	359.7	357.6	360.7	357.6	359.7	360.7	362.8
55°	331.4	329.3	330.3	329.3	333.5	330.3	333.5	331.4	333.5	332.4	334.5
57.5°	302.0	298.9	299.9	298.9	302.0	301.0	304.1	301.0	302.0	303.1	306.2
60°	268.4	268.4	268.4	266.3	269.5	269.5	268.4	268.4	272.6	274.7	273.7
62.5°	237.0	235.9	232.8	231.7	232.8	230.7	234.9	233.8	235.9	238.0	240.1
65°	202.4	200.3	199.2	197.1	197.1	196.1	197.1	201.3	202.4	203.4	208.7
67.5°	174.1	173.0	172.0	168.8	168.8	170.9	170.9	170.9	177.2	174.1	178.3
70°	148.9	146.8	144.7	143.7	143.7	144.7	145.8	146.8	145.8	150.0	151.0
72.5°	124.8	125.8	123.7	123.7	123.7	122.7	122.7	124.8	125.8	124.8	125.8
75°	103.8	103.8	102.8	103.8	103.8	102.8	102.8	104.9	104.9	103.8	107.0
77.5°	83.9	82.8	80.7	78.6	79.7	78.6	79.7	78.6	81.8	84.9	82.8
80°	58.7	57.7	57.7	57.7	58.7	57.7	59.8	57.7	58.7	58.7	59.8
82.5°	41.9	43.0	43.0	41.9	43.0	41.9	43.0	43.0	43.0	41.9	43.0
85°	27.3	27.3	27.3	27.3	26.2	27.3	27.3	27.3	28.3	27.3	28.3
87.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	12.6	11.5	12.6
90°	7.5	7.6	7.9	8.1	8.4	8.6	8.4	8.1	7.9	7.6	7.5
92.5°	7.5	7.5	7.6	7.7	7.8	7.9	7.8	7.7	7.6	7.5	7.5
95°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
97.5°	7.1	7.1	7.2	7.3	7.4	7.5	7.4	7.3	7.2	7.1	7.1
100°	8.9	8.7	8.4	8.1	7.8	7.5	7.8	8.1	8.4	8.7	8.9
102.5°	84.3	81.0	74.3	67.6	61.0	54.3	61.0	67.6	74.3	81.0	84.3
105°	106.5	106.5	106.4	106.3	106.2	106.1	106.2	106.3	106.4	106.5	106.5
107.5°	130.4	130.2	129.9	129.6	129.3	129.0	129.3	129.6	129.9	130.2	130.4
110°	152.5	152.5	152.6	152.7	152.8	152.9	152.8	152.7	152.6	152.5	152.5

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	175.0	174.9	174.8	174.6	174.5	174.3	174.5	174.6	174.8	174.9	175.0
115°	197.9	197.7	197.2	196.7	196.3	195.8	196.3	196.7	197.2	197.7	197.9
117.5°	219.7	219.6	219.5	219.3	219.2	219.0	219.2	219.3	219.5	219.6	219.7
120°	241.8	241.6	241.2	240.9	240.5	240.1	240.5	240.9	241.2	241.6	241.8
122.5°	262.2	262.0	261.5	261.0	260.6	260.1	260.6	261.0	261.5	262.0	262.2
125°	281.5	281.4	281.1	280.9	280.6	280.4	280.6	280.9	281.1	281.4	281.5
127.5°	300.1	299.8	299.1	298.5	297.8	297.2	297.8	298.5	299.1	299.8	300.1
130°	317.6	317.4	317.0	316.6	316.2	315.8	316.2	316.6	317.0	317.4	317.6
132.5°	334.7	334.5	334.1	333.7	333.3	332.9	333.3	333.7	334.1	334.5	334.7
135°	350.4	350.2	349.7	349.2	348.8	348.3	348.8	349.2	349.7	350.2	350.4
137.5°	366.2	366.0	365.6	365.2	364.8	364.4	364.8	365.2	365.6	366.0	366.2
140°	380.4	380.2	379.7	379.2	378.8	378.3	378.8	379.2	379.7	380.2	380.4
142.5°	393.7	393.5	393.0	392.5	392.0	391.5	392.0	392.5	393.0	393.5	393.7
145°	406.5	406.3	405.8	405.3	404.9	404.4	404.9	405.3	405.8	406.3	406.5
147.5°	417.6	417.3	416.8	416.2	415.7	415.1	415.7	416.2	416.8	417.3	417.6
150°	428.3	428.0	427.4	426.7	426.1	425.5	426.1	426.7	427.4	428.0	428.3
152.5°	437.6	437.3	436.8	436.2	435.7	435.1	435.7	436.2	436.8	437.3	437.6
155°	446.2	445.9	445.2	444.6	443.9	443.3	443.9	444.6	445.2	445.9	446.2
157.5°	453.3	453.0	452.4	451.7	451.1	450.5	451.1	451.7	452.4	453.0	453.3
160°	460.1	459.8	459.1	458.5	457.8	457.2	457.8	458.5	459.1	459.8	460.1
162.5°	466.5	466.1	465.4	464.7	464.0	463.3	464.0	464.7	465.4	466.1	466.5
165°	471.5	471.2	470.6	469.9	469.3	468.7	469.3	469.9	470.6	471.2	471.5
167.5°	475.8	475.4	474.7	474.0	473.3	472.6	473.3	474.0	474.7	475.4	475.8
170°	479.0	478.6	477.9	477.2	476.5	475.8	476.5	477.2	477.9	478.6	479.0
172.5°	481.2	480.8	480.1	479.4	478.7	478.0	478.7	479.4	480.1	480.8	481.2
175°	483.0	482.6	481.9	481.2	480.5	479.8	480.5	481.2	481.9	482.6	483.0
177.5°	483.7	483.4	482.7	482.1	481.4	480.8	481.4	482.1	482.7	483.4	483.7
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2	1277.2
2.5°	1208.0	1213.2	1209.1	1205.9	1214.3	1218.5	1218.5	1225.8	1233.2	1239.5	1240.5
5°	1133.6	1141.9	1144.0	1143.0	1155.6	1161.9	1175.5	1182.8	1193.3	1200.7	1209.1
7.5°	1065.4	1076.9	1078.0	1080.1	1098.9	1109.4	1121.0	1139.8	1154.5	1165.0	1174.5
10°	997.2	1004.6	1011.9	1021.4	1040.2	1058.1	1074.8	1094.8	1113.6	1124.1	1137.7
12.5°	945.9	951.1	959.5	965.8	985.7	1001.4	1023.4	1050.7	1078.0	1086.4	1103.1
15°	892.4	895.5	912.3	918.6	935.4	961.6	975.2	1001.4	1030.8	1046.5	1065.4
17.5°	830.5	849.4	859.9	867.2	888.2	909.2	931.2	958.4	996.2	1010.9	1024.5
20°	786.5	800.1	811.6	821.1	839.9	871.4	891.3	913.3	949.0	965.8	985.7
22.5°	747.7	759.2	769.7	780.2	792.8	821.1	844.1	874.5	910.2	925.9	949.0
25°	711.0	722.5	728.8	741.4	758.1	778.1	805.3	832.6	868.3	886.1	908.1
27.5°	675.3	686.8	698.4	708.9	720.4	739.3	758.1	792.8	829.5	850.4	869.3
30°	644.9	650.1	660.6	672.2	683.7	701.5	723.5	747.7	789.6	808.5	831.6
32.5°	611.3	620.8	628.1	636.5	651.2	665.9	685.8	716.2	749.8	767.6	792.8
35°	579.9	588.3	593.5	608.2	617.6	633.4	653.3	680.6	708.9	728.8	750.8
37.5°	549.5	557.9	564.2	572.5	585.1	598.8	619.7	639.7	673.2	690.0	715.2
40°	518.0	525.4	532.7	542.1	553.7	570.4	583.0	608.2	635.5	654.3	673.2
42.5°	487.6	491.8	500.2	510.7	522.2	536.9	554.7	574.6	601.9	618.7	635.5
45°	455.1	462.4	471.9	479.2	489.7	504.4	520.1	537.9	565.2	582.0	599.8
47.5°	424.7	429.9	436.2	447.8	461.4	471.9	488.7	505.4	530.6	546.3	563.1
50°	393.2	398.5	407.9	415.3	425.7	439.4	455.1	472.9	497.0	507.5	524.3
52.5°	363.9	366.0	375.4	382.7	393.2	409.0	421.5	437.3	460.3	471.9	488.7
55°	334.5	336.6	341.8	349.2	360.7	373.3	386.9	404.8	424.7	435.2	450.9
57.5°	304.1	306.2	311.4	316.7	328.2	339.8	355.5	370.2	390.1	399.5	414.2
60°	273.7	273.7	278.9	286.3	294.7	305.1	318.8	336.6	351.3	362.8	373.3
62.5°	241.2	244.3	247.5	252.7	262.2	274.7	286.3	298.9	316.7	325.1	334.5
65°	208.7	211.8	218.1	223.4	230.7	239.1	253.8	264.3	277.9	287.3	295.7
67.5°	180.4	183.5	187.7	194.0	199.2	208.7	219.2	229.6	244.3	250.6	256.9
70°	151.0	154.1	157.3	165.7	170.9	178.3	185.6	196.1	208.7	212.9	218.1
72.5°	127.9	129.0	133.2	135.3	142.6	148.9	157.3	163.6	173.0	178.3	182.5
75°	108.0	108.0	109.1	111.2	115.3	119.5	125.8	132.1	140.5	143.7	148.9
77.5°	84.9	88.1	87.0	89.1	91.2	93.3	98.6	102.8	111.2	113.3	115.3
80°	60.8	61.9	65.0	68.2	68.2	71.3	74.5	75.5	80.7	83.9	83.9
82.5°	44.0	45.1	44.0	45.1	46.1	47.2	50.3	54.5	54.5	55.6	57.7
85°	27.3	27.3	28.3	29.4	29.4	28.3	30.4	29.4	30.4	32.5	32.5
87.5°	13.6	12.6	12.6	12.6	12.6	12.6	13.6	12.6	13.6	13.6	13.6
90°	7.3	6.9	6.5	6.1	5.7	5.1	4.6	4.0	3.5	3.2	2.9
92.5°	7.3	6.9	6.5	6.1	5.7	5.2	4.8	4.3	3.8	3.6	4.0
95°	7.3	6.9	6.5	6.1	5.7	8.7	11.7	14.8	17.8	19.3	19.4
97.5°	7.0	6.9	6.7	6.6	6.4	14.0	21.5	29.1	36.6	40.4	40.2
100°	14.8	26.7	38.5	50.4	62.2	61.9	61.5	61.2	60.9	60.7	60.6
102.5°	84.2	84.1	83.9	83.8	83.6	83.4	83.3	83.1	83.0	82.9	82.7
105°	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.3
107.5°	130.4	130.3	130.2	130.1	130.0	129.8	129.7	129.5	129.4	129.3	129.3
110°	152.6	152.9	153.1	153.4	153.6	153.4	153.3	153.1	153.0	152.9	152.9

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	175.2	175.5	175.8	176.2	176.5	176.4	176.3	176.2	176.1	176.1	176.0
115°	198.1	198.4	198.7	199.0	199.3	199.2	199.2	199.1	199.0	199.0	198.8
117.5°	219.9	220.4	220.9	221.3	221.8	221.5	221.2	220.9	220.6	220.4	220.4
120°	241.9	242.1	242.2	242.4	242.6	242.4	242.1	241.9	241.6	241.5	241.5
122.5°	262.3	262.4	262.6	262.7	262.9	262.8	262.8	262.7	262.6	262.6	262.4
125°	281.7	282.0	282.3	282.6	282.9	282.9	282.9	282.9	282.9	282.9	282.6
127.5°	300.2	300.3	300.5	300.6	300.8	300.9	300.9	301.0	301.1	301.1	300.9
130°	317.7	317.9	318.2	318.4	318.6	318.5	318.5	318.4	318.3	318.3	318.1
132.5°	334.7	334.7	334.7	334.7	334.7	334.9	335.2	335.4	335.7	335.8	335.6
135°	350.5	350.7	350.8	351.0	351.2	351.4	351.5	351.7	351.8	351.9	351.7
137.5°	366.2	366.2	366.2	366.2	366.2	366.4	366.5	366.7	366.8	366.9	366.7
140°	380.3	380.2	380.0	379.9	379.7	379.8	379.9	380.0	380.1	380.1	380.0
142.5°	393.7	393.7	393.7	393.7	393.7	393.5	393.3	393.2	393.0	392.9	392.9
145°	406.5	406.4	406.3	406.3	406.2	406.2	406.2	406.2	406.2	406.2	406.1
147.5°	417.6	417.5	417.4	417.3	417.2	417.1	417.1	417.0	416.9	416.9	416.9
150°	428.2	428.1	427.9	427.8	427.6	427.4	427.3	427.1	427.0	426.9	427.0
152.5°	437.5	437.4	437.2	437.1	436.9	436.7	436.6	436.4	436.3	436.2	436.4
155°	446.1	445.8	445.6	445.3	445.1	444.9	444.8	444.6	444.5	444.4	444.6
157.5°	453.2	452.9	452.7	452.4	452.2	452.2	452.2	452.2	452.2	452.2	452.3
160°	459.9	459.6	459.3	459.0	458.7	458.6	458.5	458.4	458.3	458.3	458.5
162.5°	466.3	465.8	465.3	464.9	464.4	464.3	464.2	464.1	464.0	464.0	464.2
165°	471.3	470.8	470.3	469.9	469.4	469.3	469.2	469.1	469.0	469.0	469.2
167.5°	475.5	475.0	474.4	473.9	473.3	473.2	473.2	473.1	473.0	473.0	473.2
170°	478.7	478.1	477.4	476.8	476.2	476.1	476.0	475.9	475.8	475.8	476.1
172.5°	480.9	480.4	479.8	479.3	478.7	478.5	478.4	478.2	478.1	478.0	478.3
175°	482.7	482.0	481.4	480.7	480.1	480.0	480.0	479.9	479.8	479.8	480.0
177.5°	483.4	482.9	482.3	481.8	481.2	481.1	481.0	480.9	480.8	480.8	481.0
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1277.2	1277.2	1277.2	1277.2
2.5°	1247.9	1257.3	1266.7	1278.3
5°	1222.7	1239.5	1257.3	1274.1
7.5°	1195.4	1219.5	1242.6	1266.7
10°	1165.0	1195.4	1221.6	1255.2
12.5°	1131.5	1164.0	1200.7	1238.4
15°	1097.9	1138.8	1177.6	1220.6
17.5°	1066.4	1105.2	1148.2	1199.6
20°	1028.7	1071.7	1119.9	1174.5
22.5°	988.8	1036.0	1088.5	1147.2
25°	955.3	1003.5	1053.9	1115.7
27.5°	918.6	968.9	1018.2	1084.3
30°	876.6	931.2	981.5	1049.7
32.5°	836.8	891.3	946.9	1010.9
35°	798.0	851.5	907.1	972.1
37.5°	761.3	809.5	864.1	922.8
40°	726.7	770.7	819.0	872.4
42.5°	682.6	734.0	779.1	817.9
45°	644.9	686.8	728.8	760.2
47.5°	600.9	642.8	678.5	703.6
50°	564.2	597.7	627.1	649.1
52.5°	520.1	551.6	575.7	592.5
55°	477.1	504.4	525.4	536.9
57.5°	438.3	456.1	471.9	482.4
60°	395.3	409.0	422.6	434.1
62.5°	349.2	363.9	371.2	383.8
65°	308.3	317.7	329.3	333.5
67.5°	268.4	273.7	281.0	289.4
70°	226.5	229.6	237.0	248.5
72.5°	189.8	192.9	198.2	202.4
75°	151.0	154.1	158.3	162.5
77.5°	118.5	119.5	121.6	125.8
80°	86.0	89.1	91.2	92.3
82.5°	59.8	60.8	60.8	61.9
85°	37.8	35.7	35.7	36.7
87.5°	13.6	15.7	15.7	17.8
90°	2.3	1.6	1.0	0.4
92.5°	4.7	5.4	6.1	6.8
95°	19.7	19.9	20.2	20.4
97.5°	39.7	39.2	38.7	38.2
100°	60.4	60.1	59.9	59.7
102.5°	82.4	82.1	81.7	81.4
105°	106.0	105.7	105.3	105.0
107.5°	129.3	129.3	129.3	129.3
110°	152.9	152.9	152.9	152.9

TEST NUMBER: P1027276

CATALOG NUMBER: S125RDIP-B850D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	175.7	175.5	175.2	175.0
115°	198.4	198.0	197.6	197.2
117.5°	220.4	220.4	220.4	220.4
120°	241.6	241.7	241.7	241.8
122.5°	262.0	261.6	261.2	260.8
125°	282.1	281.5	281.0	280.4
127.5°	300.5	300.2	299.8	299.4
130°	317.7	317.3	316.9	316.5
132.5°	335.1	334.6	334.1	333.6
135°	351.2	350.7	350.2	349.7
137.5°	366.2	365.7	365.2	364.7
140°	379.9	379.7	379.6	379.4
142.5°	392.8	392.7	392.7	392.6
145°	406.0	405.8	405.7	405.5
147.5°	416.9	416.9	416.9	416.9
150°	427.1	427.3	427.4	427.6
152.5°	436.8	437.2	437.6	438.0
155°	445.1	445.6	446.0	446.5
157.5°	452.6	452.8	453.1	453.3
160°	459.0	459.5	460.0	460.5
162.5°	464.7	465.2	465.7	466.2
165°	469.7	470.2	470.7	471.2
167.5°	473.7	474.2	474.6	475.1
170°	476.6	477.2	477.7	478.3
172.5°	478.8	479.4	479.9	480.5
175°	480.5	481.0	481.4	481.9
177.5°	481.5	482.0	482.5	483.0
180°	481.9	481.9	481.9	481.9

(END OF REPORT)