

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: P1027010

Luminaire Tested: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027010
REPORT IS A COMBINATION OF REPORTS P1002549 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_3000K
Description: Define 5 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

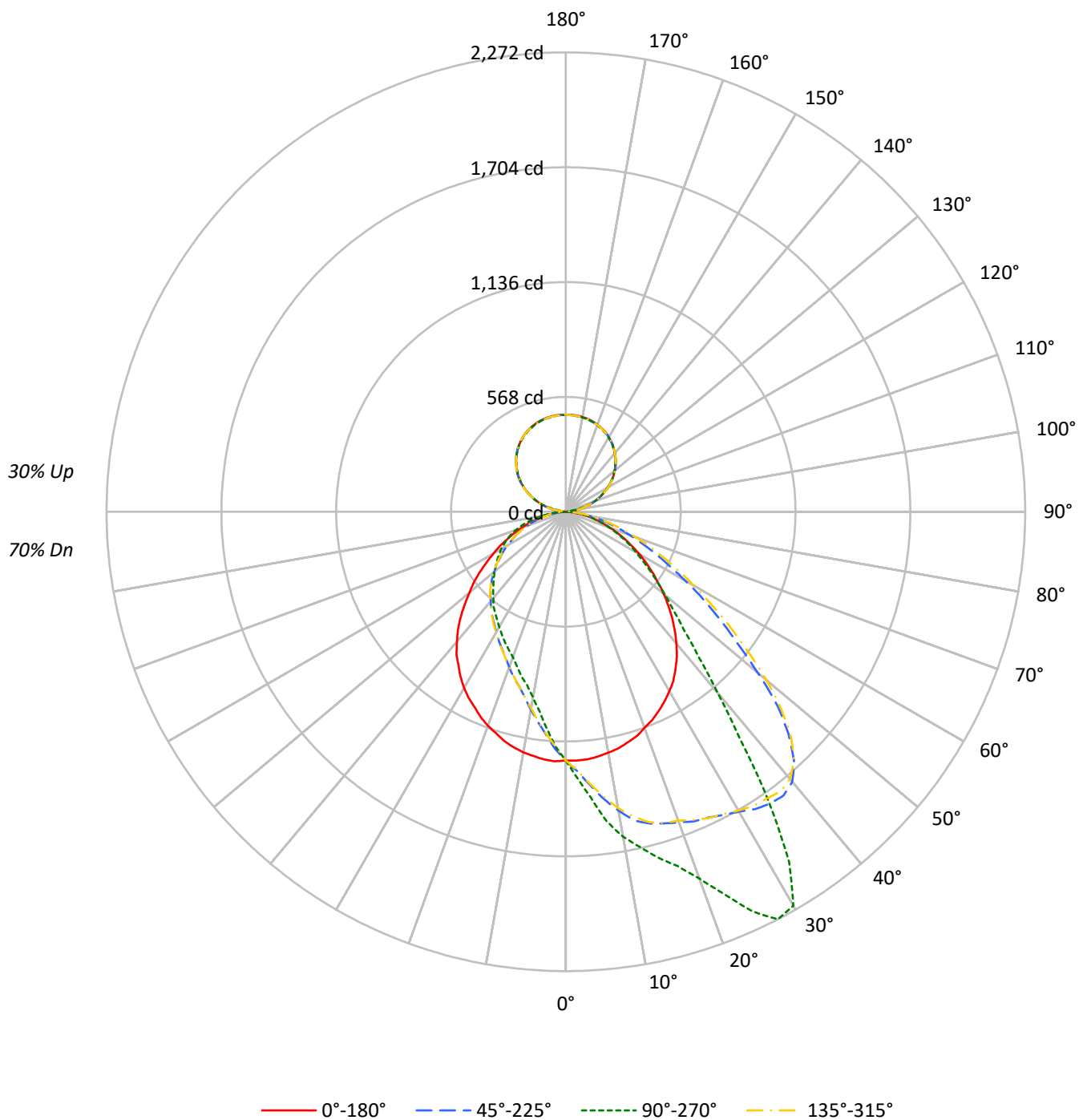
Lumens per Lamp: N/A
Luminaire Lumens: 4945.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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				0
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°	7881	7881	7881	7881
5°	7887	8940	7894	6782
10°	7839	10191	7825	5822
15°	7782	11049	7733	5261
20°	7683	12107	7613	4803
25°	7596	13873	7458	4531
30°	7470	14636	7341	4286
35°	7272	11732	7120	4088
40°	6963	8109	6860	3879
45°	6573	6037	6498	3706
50°	6125	4970	6023	3567
55°	5642	4239	5598	3447
60°	5168	3628	5079	3353
65°	4658	3133	4583	3218
70°	4118	2601	4063	2980
75°	3546	2012	3498	2586
80°	2802	1361	2698	1901
85°	1790	682	1732	970

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 12038 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	2.4
10°-20°	352.6	7.1
20°-30°	572.8	11.6
30°-40°	700.0	14.2
40°-50°	635.0	12.8
50°-60°	505.8	10.2
60°-70°	352.3	7.1
70°-80°	187.7	3.8
80°-90°	47.2	1.0
90°-100°	16.3	0.3
100°-110°	108.2	2.2
110°-120°	194.9	3.9
120°-130°	250.2	5.1
130°-140°	269.1	5.4
140°-150°	252.6	5.1
150°-160°	204.3	4.1
160°-170°	132.1	2.7
170°-180°	45.6	0.9
0°-30°	1043.8	21.1
0°-40°	1743.8	35.3
0°-60°	2884.6	58.3
0°-90°	3471.7	70.2
90°-120°	319.5	6.5
90°-150°	1091.3	22.1
90°-180°	1473.0	29.8
0°-180°	4945.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1230	1230	1230	1230	1230	
5°	1229	1419	1230	1076	1229	117
15°	1181	1772	1174	844	1181	333
25°	1087	2180	1067	712	1087	501
35°	946	1750	926	610	946	591
45°	744	825	735	506	744	573
55°	523	508	519	414	523	468
65°	324	312	318	321	324	321
75°	157	154	154	197	157	167
85°	31	34	30	49	31	37
90°	0	8	0	8	0	3
95°	20	8	20	8	20	25
105°	104	106	104	106	104	111
115°	196	195	196	195	196	195
125°	279	279	279	279	279	249
135°	348	347	348	347	348	268
145°	404	402	404	402	404	252
155°	444	441	444	441	444	205
165°	469	466	469	466	469	132
175°	480	478	480	478	480	46
180°	480	480	480	480	480	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1232.1	1239.4	1247.8	1254.1	1264.5	1267.6	1272.9	1276.0	1279.1	1282.3	1284.3
5°	1229.0	1246.7	1262.4	1273.9	1293.7	1301.0	1310.4	1321.9	1335.5	1347.0	1354.3
7.5°	1220.6	1248.8	1269.7	1292.7	1319.8	1337.6	1347.0	1371.0	1392.9	1409.6	1431.6
10°	1210.2	1243.6	1276.0	1310.4	1349.1	1368.9	1387.7	1421.1	1451.4	1478.6	1500.5
12.5°	1198.7	1239.4	1278.1	1323.0	1375.2	1399.2	1411.7	1469.2	1506.7	1521.4	1564.2
15°	1181.0	1229.0	1284.3	1339.7	1383.5	1411.7	1446.2	1492.1	1529.7	1562.1	1596.5
17.5°	1164.3	1216.5	1272.9	1334.5	1398.2	1434.7	1460.8	1501.5	1542.3	1584.0	1616.4
20°	1137.1	1205.0	1262.4	1328.2	1403.4	1429.5	1456.6	1504.7	1548.5	1593.4	1634.1
22.5°	1115.2	1179.9	1258.2	1320.9	1384.6	1410.7	1444.1	1494.2	1546.4	1597.6	1657.1
25°	1087.0	1159.0	1226.9	1293.7	1359.5	1387.7	1418.0	1482.7	1537.0	1602.8	1668.6
27.5°	1056.7	1130.8	1198.7	1259.3	1320.9	1359.5	1391.9	1459.8	1531.8	1603.9	1689.5
30°	1024.3	1094.3	1159.0	1218.6	1286.4	1326.1	1358.5	1437.8	1518.2	1610.1	1712.5
32.5°	989.9	1055.7	1111.0	1171.6	1243.6	1280.2	1324.0	1410.7	1505.7	1615.3	1743.8
35°	946.0	1008.7	1057.8	1119.4	1191.4	1238.4	1284.3	1381.4	1492.1	1614.3	1761.5
37.5°	902.2	951.2	998.2	1064.0	1147.6	1190.4	1238.4	1344.9	1471.2	1611.2	1768.8
40°	850.0	898.0	938.7	1005.5	1093.3	1142.3	1192.5	1304.2	1447.2	1599.7	1742.7
42.5°	797.8	838.5	883.4	953.3	1037.9	1090.1	1143.4	1267.6	1415.9	1566.3	1670.7
45°	743.5	774.8	823.9	887.6	977.4	1027.5	1088.0	1222.7	1372.1	1505.7	1557.9
47.5°	687.1	718.4	764.3	825.9	914.7	974.2	1031.6	1166.3	1316.7	1420.1	1420.1
50°	632.8	657.8	702.7	764.3	854.1	908.4	966.9	1110.0	1231.1	1307.3	1239.4
52.5°	574.3	602.5	640.1	704.8	793.6	842.7	906.3	1028.5	1143.4	1174.7	1070.3
55°	523.1	546.1	581.6	643.2	725.7	776.9	831.2	948.1	1045.2	1043.1	931.4
57.5°	469.9	488.7	526.3	582.7	658.9	704.8	759.1	860.4	939.8	911.6	806.1
60°	420.8	434.4	470.9	516.9	590.0	632.8	685.0	767.5	828.0	788.4	681.8
62.5°	369.6	385.3	414.5	459.4	524.2	558.6	597.3	680.8	719.4	683.9	575.3
65°	323.7	336.2	362.3	399.9	458.4	489.7	523.1	592.0	628.6	577.4	487.6
67.5°	277.8	292.4	311.2	344.6	390.5	419.8	449.0	508.5	525.2	479.3	404.1
70°	234.9	247.5	265.2	289.2	327.9	354.0	375.9	425.0	436.5	393.7	334.1
72.5°	193.2	201.5	216.1	236.0	271.5	286.1	309.1	342.5	357.1	318.5	275.7
75°	156.6	162.9	172.3	186.9	210.9	226.6	245.4	276.7	275.7	248.5	218.2
77.5°	121.1	122.2	132.6	146.2	160.8	174.4	183.8	205.7	207.8	191.1	166.0
80°	86.7	89.8	94.0	104.4	116.9	122.2	133.7	147.2	149.3	136.8	120.1
82.5°	55.3	57.4	60.6	66.8	75.2	81.4	87.7	92.9	98.2	90.8	77.3
85°	31.3	32.4	35.5	37.6	41.8	44.9	50.1	55.3	54.3	49.1	44.9
87.5°	15.7	15.7	15.7	17.8	19.8	19.8	21.9	23.0	24.0	21.9	19.8
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°	20.3	20.1	19.8	19.6	19.3	19.2	17.7	14.7	11.7	8.7	5.7
97.5°	38.0	38.5	39.0	39.5	40.0	40.2	36.4	28.9	21.4	13.9	6.4
100°	59.4	59.6	59.8	60.1	60.3	60.4	60.6	60.9	61.2	61.6	61.9
102.5°	81.1	81.4	81.7	82.0	82.3	82.5	82.6	82.7	82.9	83.0	83.2
105°	104.5	104.8	105.1	105.4	105.7	105.9	105.9	105.9	105.9	105.9	105.9
107.5°	128.7	128.7	128.7	128.7	128.7	128.7	128.8	128.9	129.1	129.2	129.4
110°	152.2	152.2	152.2	152.2	152.2	152.2	152.3	152.4	152.6	152.7	152.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	174.2	174.4	174.7	174.9	175.2	175.3	175.3	175.4	175.5	175.5	175.6
115°	196.3	196.7	197.1	197.4	197.8	198.0	198.0	198.1	198.2	198.3	198.4
117.5°	219.4	219.4	219.4	219.4	219.4	219.4	219.6	219.9	220.2	220.5	220.8
120°	240.7	240.6	240.5	240.4	240.3	240.3	240.4	240.7	240.9	241.2	241.4
122.5°	259.5	259.9	260.3	260.7	261.1	261.3	261.3	261.4	261.5	261.6	261.7
125°	279.1	279.7	280.2	280.8	281.3	281.6	281.6	281.6	281.6	281.6	281.6
127.5°	297.9	298.3	298.7	299.1	299.5	299.7	299.7	299.6	299.5	299.5	299.4
130°	315.0	315.4	315.8	316.2	316.6	316.8	316.8	316.9	317.0	317.0	317.1
132.5°	332.1	332.6	333.0	333.5	334.0	334.2	334.1	333.8	333.6	333.3	333.1
135°	348.1	348.6	349.0	349.5	350.0	350.2	350.1	350.0	349.8	349.7	349.5
137.5°	363.0	363.5	363.9	364.4	364.9	365.1	365.0	364.9	364.7	364.6	364.4
140°	377.6	377.8	377.9	378.1	378.2	378.3	378.3	378.2	378.1	378.0	377.9
142.5°	390.7	390.8	390.9	391.0	391.1	391.1	391.2	391.3	391.5	391.6	391.8
145°	403.5	403.7	403.8	404.0	404.1	404.2	404.2	404.2	404.2	404.2	404.2
147.5°	414.9	414.9	414.9	414.9	414.9	414.9	414.9	415.0	415.1	415.2	415.3
150°	425.6	425.4	425.3	425.1	425.0	424.9	425.0	425.1	425.3	425.4	425.6
152.5°	435.9	435.5	435.1	434.7	434.3	434.1	434.2	434.3	434.5	434.6	434.8
155°	444.4	443.9	443.5	443.0	442.5	442.3	442.4	442.5	442.7	442.8	443.0
157.5°	451.2	451.0	450.7	450.5	450.2	450.1	450.1	450.1	450.1	450.1	450.1
160°	458.3	457.8	457.4	456.9	456.4	456.2	456.2	456.3	456.4	456.4	456.5
162.5°	464.0	463.5	463.0	462.5	462.0	461.8	461.8	461.9	462.0	462.1	462.2
165°	469.0	468.5	468.0	467.5	467.0	466.8	466.8	466.9	467.0	467.1	467.2
167.5°	472.9	472.4	471.9	471.4	470.9	470.7	470.7	470.8	470.9	471.0	471.1
170°	476.1	475.5	475.0	474.4	473.9	473.6	473.6	473.7	473.8	473.8	473.9
172.5°	478.2	477.6	477.1	476.5	476.0	475.7	475.8	475.9	476.1	476.2	476.4
175°	479.6	479.1	478.7	478.2	477.7	477.5	477.5	477.6	477.7	477.7	477.8
177.5°	480.7	480.2	479.8	479.3	478.8	478.6	478.6	478.7	478.8	478.8	478.9
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1286.4	1293.7	1300.0	1305.2	1309.4	1315.7	1311.5	1312.5	1314.6	1318.8	1318.8
5°	1370.0	1381.4	1387.7	1408.6	1413.8	1412.8	1409.6	1426.3	1425.3	1419.0	1418.0
7.5°	1451.4	1471.2	1489.0	1505.7	1510.9	1524.5	1527.6	1534.9	1532.9	1543.3	1538.1
10°	1525.5	1556.9	1573.6	1598.6	1604.9	1611.2	1619.5	1623.7	1633.1	1632.1	1632.1
12.5°	1583.0	1620.6	1642.5	1648.8	1672.8	1680.1	1687.4	1701.0	1697.8	1698.9	1705.1
15°	1627.9	1664.4	1683.2	1712.5	1729.2	1737.5	1750.0	1764.7	1762.6	1772.0	1769.9
17.5°	1661.3	1695.7	1730.2	1774.1	1775.1	1797.0	1826.3	1832.5	1846.1	1836.7	1836.7
20°	1688.4	1734.4	1783.5	1839.8	1846.1	1859.7	1895.2	1919.2	1934.9	1929.6	1932.8
22.5°	1717.7	1783.5	1840.9	1897.3	1927.6	1951.6	1986.0	2023.6	2037.2	2045.5	2043.5
25°	1755.3	1824.2	1908.8	1987.1	2018.4	2064.3	2110.3	2146.8	2157.3	2180.2	2159.4
27.5°	1793.9	1891.0	1996.5	2088.4	2128.0	2165.6	2221.0	2248.1	2261.7	2272.1	2264.8
30°	1826.3	1959.9	2074.8	2159.4	2187.6	2209.5	2240.8	2247.1	2241.9	2250.2	2260.6
32.5°	1876.4	2006.9	2104.0	2144.7	2141.6	2140.6	2116.5	2083.1	2075.8	2056.0	2083.1
35°	1903.5	2008.0	2045.5	1991.2	1969.3	1929.6	1853.4	1803.3	1759.4	1750.0	1752.1
37.5°	1887.9	1928.6	1883.7	1740.6	1705.1	1644.6	1543.3	1472.3	1439.9	1414.9	1447.2
40°	1803.3	1758.4	1635.2	1460.8	1409.6	1352.2	1257.2	1218.6	1172.6	1163.2	1206.0
42.5°	1663.4	1526.6	1352.2	1217.5	1164.3	1131.9	1052.5	1016.0	983.6	969.0	993.0
45°	1473.3	1307.3	1131.9	1021.2	976.3	937.7	890.7	852.0	831.2	824.9	844.7
47.5°	1277.0	1101.6	961.7	879.2	832.2	803.0	759.1	737.2	720.5	722.6	725.7
50°	1089.1	929.3	821.8	739.3	716.3	693.3	664.1	645.3	636.9	640.1	638.0
52.5°	927.2	797.8	706.9	643.2	632.8	610.8	586.8	571.2	568.0	569.1	572.2
55°	785.2	683.9	611.9	565.9	554.5	538.8	524.2	513.7	505.4	508.5	507.5
57.5°	677.7	588.9	533.6	496.0	487.6	478.2	464.7	459.4	456.3	450.0	455.3
60°	582.7	510.6	462.6	439.6	432.3	426.0	411.4	405.1	403.1	399.9	408.3
62.5°	492.9	441.7	405.1	384.3	376.9	370.7	363.4	358.2	359.2	355.0	359.2
65°	421.8	380.1	354.0	335.2	325.8	321.6	320.6	312.2	311.2	312.2	313.3
67.5°	356.1	320.6	300.7	289.2	281.9	277.8	274.6	269.4	273.6	270.4	272.5
70°	296.5	272.5	251.6	240.2	237.0	238.1	232.9	230.8	231.8	229.7	231.8
72.5°	239.1	219.3	210.9	202.6	198.4	197.3	194.2	191.1	194.2	193.2	193.2
75°	191.1	176.5	167.1	161.8	161.8	159.8	154.5	154.5	154.5	153.5	154.5
77.5°	147.2	134.7	130.5	125.3	125.3	122.2	121.1	121.1	119.0	122.2	120.1
80°	109.6	100.2	94.0	90.8	90.8	89.8	87.7	86.7	87.7	86.7	86.7
82.5°	71.0	66.8	63.7	60.6	59.5	60.6	59.5	57.4	58.5	57.4	59.5
85°	40.7	36.5	36.5	34.5	35.5	33.4	34.5	32.4	31.3	34.5	32.4
87.5°	17.8	16.7	16.7	14.6	14.6	14.6	13.6	14.6	13.6	12.5	13.6
90°	6.1	6.5	6.9	7.3	7.5	7.6	7.8	8.1	8.3	8.5	8.3
92.5°	6.1	6.5	6.9	7.3	7.5	7.5	7.6	7.7	7.7	7.8	7.7
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°	50.1	38.3	26.6	14.8	8.9	8.7	8.4	8.1	7.8	7.5	7.8
102.5°	83.4	83.5	83.7	83.8	83.9	80.6	73.9	67.3	60.6	54.0	60.6
105°	105.9	105.9	105.9	105.9	105.9	105.9	105.8	105.7	105.7	105.6	105.7
107.5°	129.5	129.6	129.7	129.8	129.8	129.6	129.3	129.0	128.6	128.3	128.6
110°	152.7	152.4	152.2	151.9	151.8	151.8	151.9	152.0	152.1	152.2	152.1

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	175.3	175.0	174.7	174.4	174.2	174.1	174.0	173.8	173.7	173.5	173.7
115°	198.1	197.8	197.5	197.2	197.0	196.8	196.3	195.8	195.3	194.8	195.3
117.5°	220.3	219.9	219.4	218.9	218.7	218.6	218.4	218.3	218.1	217.9	218.1
120°	241.2	241.1	240.9	240.8	240.7	240.5	240.1	239.7	239.3	238.9	239.3
122.5°	261.5	261.4	261.2	261.1	261.0	260.8	260.3	259.8	259.3	258.8	259.3
125°	281.3	281.0	280.7	280.4	280.2	280.1	279.8	279.6	279.3	279.1	279.3
127.5°	299.2	299.1	298.9	298.8	298.7	298.4	297.7	297.1	296.4	295.8	296.4
130°	316.9	316.7	316.4	316.2	316.1	315.9	315.5	315.1	314.7	314.3	314.7
132.5°	333.1	333.1	333.1	333.1	333.1	332.9	332.5	332.2	331.8	331.4	331.8
135°	349.3	349.2	349.0	348.9	348.8	348.6	348.1	347.6	347.1	346.6	347.1
137.5°	364.4	364.4	364.4	364.4	364.4	364.2	363.8	363.4	363.0	362.6	363.0
140°	378.1	378.2	378.4	378.5	378.6	378.4	377.9	377.4	377.0	376.5	377.0
142.5°	391.8	391.8	391.8	391.8	391.8	391.6	391.1	390.6	390.2	389.7	390.2
145°	404.3	404.4	404.5	404.6	404.6	404.4	403.9	403.4	403.0	402.5	403.0
147.5°	415.4	415.4	415.5	415.6	415.6	415.3	414.8	414.2	413.7	413.1	413.7
150°	425.8	425.9	426.1	426.2	426.3	426.0	425.3	424.7	424.0	423.4	424.0
152.5°	435.0	435.1	435.3	435.4	435.5	435.2	434.7	434.1	433.6	433.0	433.6
155°	443.2	443.5	443.7	444.0	444.1	443.8	443.1	442.5	441.8	441.2	441.8
157.5°	450.3	450.6	450.8	451.1	451.2	450.9	450.2	449.6	448.9	448.3	448.9
160°	456.8	457.1	457.4	457.7	457.9	457.6	457.0	456.3	455.7	455.1	455.7
162.5°	462.7	463.1	463.6	464.1	464.3	463.9	463.2	462.5	461.8	461.1	461.8
165°	467.7	468.1	468.6	469.1	469.3	469.0	468.4	467.7	467.1	466.5	467.1
167.5°	471.7	472.2	472.8	473.3	473.6	473.2	472.5	471.8	471.1	470.4	471.1
170°	474.5	475.2	475.8	476.5	476.8	476.4	475.7	475.0	474.3	473.6	474.3
172.5°	477.0	477.5	478.1	478.6	478.9	478.5	477.8	477.1	476.4	475.7	476.4
175°	478.4	479.1	479.7	480.4	480.7	480.3	479.6	478.9	478.2	477.5	478.2
177.5°	479.5	480.0	480.6	481.1	481.4	481.1	480.5	479.8	479.2	478.6	479.2
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1316.7	1309.4	1311.5	1309.4	1304.2	1301.0	1292.7	1282.3	1278.1	1272.9	1269.7
5°	1422.2	1416.9	1415.9	1407.6	1405.5	1392.9	1372.1	1361.6	1349.1	1336.5	1324.0
7.5°	1537.0	1530.8	1509.9	1506.7	1508.8	1493.2	1466.0	1445.1	1419.0	1401.3	1377.3
10°	1632.1	1619.5	1601.8	1602.8	1595.5	1574.6	1547.5	1525.5	1488.0	1465.0	1430.5
12.5°	1689.5	1679.0	1677.0	1666.5	1660.2	1633.1	1600.7	1572.5	1544.3	1513.0	1486.9
15°	1759.4	1745.9	1736.5	1721.8	1717.7	1689.5	1654.0	1621.6	1589.2	1560.0	1504.7
17.5°	1836.7	1822.1	1786.6	1783.5	1758.4	1731.2	1696.8	1648.8	1614.3	1572.5	1531.8
20°	1924.4	1903.5	1857.6	1846.1	1826.3	1781.4	1734.4	1681.1	1625.8	1583.0	1534.9
22.5°	2022.6	1986.0	1952.6	1916.1	1901.4	1846.1	1781.4	1716.6	1649.8	1591.3	1533.9
25°	2150.0	2101.9	2054.9	2018.4	1993.3	1921.3	1834.6	1749.0	1671.7	1595.5	1520.3
27.5°	2250.2	2208.4	2157.3	2109.2	2076.9	1991.2	1892.1	1781.4	1685.3	1592.4	1512.0
30°	2257.5	2245.0	2213.7	2187.6	2152.1	2060.2	1950.5	1825.2	1706.2	1593.4	1495.3
32.5°	2120.7	2145.8	2159.4	2163.5	2156.2	2103.0	2002.7	1864.9	1725.0	1584.0	1480.6
35°	1826.3	1893.1	1975.6	2006.9	2037.2	2065.4	2013.2	1893.1	1731.2	1581.9	1457.7
37.5°	1503.6	1564.2	1701.0	1763.6	1799.1	1910.8	1953.7	1888.9	1743.8	1584.0	1435.7
40°	1213.3	1309.4	1407.6	1492.1	1547.5	1672.8	1805.4	1820.0	1726.0	1564.2	1407.6
42.5°	1021.2	1077.6	1151.7	1230.0	1279.1	1427.4	1607.0	1712.5	1670.7	1531.8	1373.1
45°	869.8	911.6	981.5	1007.6	1070.3	1212.3	1402.3	1554.8	1575.7	1480.6	1333.4
47.5°	746.6	782.1	827.0	859.4	909.5	1016.0	1176.8	1344.9	1445.1	1410.7	1278.1
50°	657.8	687.1	724.7	743.5	775.8	871.9	993.0	1160.1	1294.8	1306.3	1206.0
52.5°	583.7	600.4	629.6	650.5	676.6	735.1	844.7	982.6	1134.0	1196.6	1117.3
55°	519.0	532.5	558.6	572.2	585.8	635.9	721.5	846.8	988.8	1071.3	1026.4
57.5°	460.5	472.0	493.9	506.4	513.7	561.8	627.6	725.7	853.1	953.3	928.3
60°	412.5	422.9	435.4	444.8	453.2	492.9	538.8	618.2	732.0	829.1	822.8
62.5°	361.3	370.7	384.3	393.7	401.0	426.0	464.7	525.2	622.3	712.1	729.9
65°	316.4	323.7	333.1	337.3	346.7	365.5	396.8	451.1	530.4	610.8	623.4
67.5°	275.7	277.8	284.0	293.4	295.5	312.2	340.4	381.1	442.7	508.5	528.4
70°	231.8	234.9	240.2	247.5	251.6	262.1	286.1	313.3	366.5	423.9	438.6
72.5°	193.2	197.3	199.4	203.6	205.7	222.4	232.9	260.0	296.5	344.6	360.2
75°	156.6	160.8	161.8	163.9	166.0	173.3	188.0	204.7	234.9	266.3	287.1
77.5°	124.3	123.2	125.3	128.4	127.4	133.7	143.1	157.7	177.5	203.6	217.2
80°	87.7	87.7	90.8	94.0	92.9	99.2	102.3	112.8	129.5	146.2	151.4
82.5°	58.5	58.5	61.6	61.6	63.7	64.7	68.9	74.1	87.7	96.1	99.2
85°	33.4	33.4	34.5	34.5	34.5	36.5	39.7	41.8	45.9	51.2	53.3
87.5°	13.6	14.6	14.6	14.6	14.6	16.7	16.7	18.8	19.8	21.9	21.9
90°	8.1	7.8	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	13.9	21.4
100°	8.1	8.4	8.7	8.9	14.8	26.6	38.3	50.1	61.9	61.6	61.2
102.5°	67.3	73.9	80.6	83.9	83.8	83.7	83.5	83.4	83.2	83.0	82.9
105°	105.7	105.8	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
107.5°	129.0	129.3	129.6	129.8	129.8	129.7	129.6	129.5	129.4	129.2	129.1
110°	152.0	151.9	151.8	151.8	151.9	152.2	152.4	152.7	152.9	152.7	152.6

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	173.8	174.0	174.1	174.2	174.4	174.7	175.0	175.3	175.6	175.5	175.5
115°	195.8	196.3	196.8	197.0	197.2	197.5	197.8	198.1	198.4	198.3	198.2
117.5°	218.3	218.4	218.6	218.7	218.9	219.4	219.9	220.3	220.8	220.5	220.2
120°	239.7	240.1	240.5	240.7	240.8	240.9	241.1	241.2	241.4	241.2	240.9
122.5°	259.8	260.3	260.8	261.0	261.1	261.2	261.4	261.5	261.7	261.6	261.5
125°	279.6	279.8	280.1	280.2	280.4	280.7	281.0	281.3	281.6	281.6	281.6
127.5°	297.1	297.7	298.4	298.7	298.8	298.9	299.1	299.2	299.4	299.5	299.5
130°	315.1	315.5	315.9	316.1	316.2	316.4	316.7	316.9	317.1	317.0	317.0
132.5°	332.2	332.5	332.9	333.1	333.1	333.1	333.1	333.1	333.1	333.3	333.6
135°	347.6	348.1	348.6	348.8	348.9	349.0	349.2	349.3	349.5	349.7	349.8
137.5°	363.4	363.8	364.2	364.4	364.4	364.4	364.4	364.4	364.4	364.6	364.7
140°	377.4	377.9	378.4	378.6	378.5	378.4	378.2	378.1	377.9	378.0	378.1
142.5°	390.6	391.1	391.6	391.8	391.8	391.8	391.8	391.8	391.8	391.6	391.5
145°	403.4	403.9	404.4	404.6	404.6	404.5	404.4	404.3	404.2	404.2	404.2
147.5°	414.2	414.8	415.3	415.6	415.6	415.5	415.4	415.4	415.3	415.2	415.1
150°	424.7	425.3	426.0	426.3	426.2	426.1	425.9	425.8	425.6	425.4	425.3
152.5°	434.1	434.7	435.2	435.5	435.4	435.3	435.1	435.0	434.8	434.6	434.5
155°	442.5	443.1	443.8	444.1	444.0	443.7	443.5	443.2	443.0	442.8	442.7
157.5°	449.6	450.2	450.9	451.2	451.1	450.8	450.6	450.3	450.1	450.1	450.1
160°	456.3	457.0	457.6	457.9	457.7	457.4	457.1	456.8	456.5	456.4	456.4
162.5°	462.5	463.2	463.9	464.3	464.1	463.6	463.1	462.7	462.2	462.1	462.0
165°	467.7	468.4	469.0	469.3	469.1	468.6	468.1	467.7	467.2	467.1	467.0
167.5°	471.8	472.5	473.2	473.6	473.3	472.8	472.2	471.7	471.1	471.0	470.9
170°	475.0	475.7	476.4	476.8	476.5	475.8	475.2	474.5	473.9	473.8	473.8
172.5°	477.1	477.8	478.5	478.9	478.6	478.1	477.5	477.0	476.4	476.2	476.1
175°	478.9	479.6	480.3	480.7	480.4	479.7	479.1	478.4	477.8	477.7	477.7
177.5°	479.8	480.5	481.1	481.4	481.1	480.6	480.0	479.5	478.9	478.8	478.8
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1265.5	1260.3	1254.1	1254.1	1246.7	1243.6	1237.4	1235.3	1230.0	1221.7	1215.4
5°	1310.4	1296.9	1288.5	1281.2	1265.5	1254.1	1242.6	1230.0	1217.5	1202.9	1186.2
7.5°	1354.3	1329.2	1317.8	1305.2	1282.3	1258.2	1235.3	1218.6	1201.8	1178.9	1158.0
10°	1400.2	1368.9	1348.0	1331.3	1295.8	1265.5	1232.1	1208.1	1182.0	1152.8	1125.6
12.5°	1438.9	1398.2	1380.4	1349.1	1308.4	1271.8	1230.0	1193.5	1159.0	1124.6	1091.2
15°	1471.2	1432.6	1388.8	1376.2	1319.8	1267.6	1220.6	1173.7	1130.8	1096.4	1057.8
17.5°	1481.7	1432.6	1410.7	1380.4	1313.6	1259.3	1199.8	1148.6	1107.9	1056.7	1026.4
20°	1484.8	1437.8	1407.6	1379.4	1319.8	1247.8	1189.3	1126.7	1077.6	1026.4	978.4
22.5°	1476.5	1421.1	1391.9	1364.7	1297.9	1236.3	1168.4	1099.5	1042.1	995.1	947.1
25°	1460.8	1396.1	1367.9	1338.6	1274.9	1207.1	1132.9	1067.2	1013.9	957.5	910.5
27.5°	1439.9	1365.8	1333.4	1303.1	1240.5	1176.8	1106.8	1039.0	979.4	919.9	876.1
30°	1413.8	1328.2	1299.0	1259.3	1198.7	1138.2	1074.5	1006.6	939.8	883.4	835.3
32.5°	1380.4	1290.6	1252.0	1214.4	1148.6	1093.3	1032.7	969.0	904.3	848.9	798.8
35°	1350.1	1247.8	1205.0	1167.4	1094.3	1035.8	985.7	926.2	868.8	811.3	766.4
37.5°	1309.4	1205.0	1153.8	1115.2	1041.0	981.5	934.5	888.6	828.0	772.7	730.9
40°	1266.6	1151.7	1103.7	1065.1	987.8	923.1	878.2	837.4	788.4	737.2	693.3
42.5°	1228.0	1100.6	1049.4	1002.4	924.1	866.7	820.7	789.4	744.5	698.6	658.9
45°	1178.9	1046.3	990.9	941.8	866.7	804.0	760.2	735.1	701.7	656.8	622.3
47.5°	1128.8	987.8	930.4	882.3	800.9	745.5	702.7	678.7	655.7	620.2	585.8
50°	1063.0	926.2	874.0	818.6	738.2	681.8	646.3	622.3	604.6	579.5	550.3
52.5°	990.9	862.5	806.1	758.1	678.7	627.6	586.8	573.3	555.5	536.7	511.6
55°	914.7	793.6	739.3	692.3	619.2	567.0	533.6	519.0	505.4	490.8	474.1
57.5°	838.5	721.5	670.4	628.6	560.7	510.6	483.5	463.6	454.2	445.9	432.3
60°	743.5	644.3	604.6	567.0	500.2	454.2	428.1	413.5	405.1	401.0	394.7
62.5°	659.9	578.5	534.6	498.1	444.8	404.1	379.0	367.6	360.2	358.2	350.8
65°	571.2	501.2	466.7	435.4	389.5	352.9	332.0	318.5	313.3	312.2	312.2
67.5°	487.6	431.2	396.8	374.9	335.2	302.8	283.0	277.8	274.6	270.4	269.4
70°	409.3	364.4	334.1	315.3	279.8	255.8	240.2	231.8	231.8	228.7	226.6
72.5°	340.4	295.5	275.7	260.0	230.8	209.9	198.4	196.3	189.0	188.0	188.0
75°	266.3	232.9	219.3	205.7	183.8	169.2	159.8	154.5	150.4	150.4	151.4
77.5°	200.5	177.5	165.0	154.5	138.9	129.5	122.2	120.1	115.9	115.9	115.9
80°	142.0	129.5	120.1	111.7	100.2	91.9	87.7	83.5	83.5	82.5	83.5
82.5°	91.9	81.4	76.2	75.2	64.7	61.6	56.4	57.4	54.3	53.3	55.3
85°	53.3	48.0	41.8	39.7	35.5	31.3	29.2	30.3	29.2	28.2	29.2
87.5°	20.9	17.8	16.7	16.7	13.6	12.5	11.5	12.5	10.4	10.4	11.5
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°	14.7	17.7	19.2	19.3	19.6	19.8	20.1	20.3	20.1	19.8	19.6
97.5°	28.9	36.4	40.2	40.0	39.5	39.0	38.5	38.0	38.5	39.0	39.5
100°	60.9	60.6	60.4	60.3	60.1	59.8	59.6	59.4	59.6	59.8	60.1
102.5°	82.7	82.6	82.5	82.3	82.0	81.7	81.4	81.1	81.4	81.7	82.0
105°	105.9	105.9	105.9	105.7	105.4	105.1	104.8	104.5	104.8	105.1	105.4
107.5°	128.9	128.8	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
110°	152.4	152.3	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	175.4	175.3	175.3	175.2	174.9	174.7	174.4	174.2	174.4	174.7	174.9
115°	198.1	198.0	198.0	197.8	197.4	197.1	196.7	196.3	196.7	197.1	197.4
117.5°	219.9	219.6	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4
120°	240.7	240.4	240.3	240.3	240.4	240.5	240.6	240.7	240.6	240.5	240.4
122.5°	261.4	261.3	261.3	261.1	260.7	260.3	259.9	259.5	259.9	260.3	260.7
125°	281.6	281.6	281.6	281.3	280.8	280.2	279.7	279.1	279.7	280.2	280.8
127.5°	299.6	299.7	299.7	299.5	299.1	298.7	298.3	297.9	298.3	298.7	299.1
130°	316.9	316.8	316.8	316.6	316.2	315.8	315.4	315.0	315.4	315.8	316.2
132.5°	333.8	334.1	334.2	334.0	333.5	333.0	332.6	332.1	332.6	333.0	333.5
135°	350.0	350.1	350.2	350.0	349.5	349.0	348.6	348.1	348.6	349.0	349.5
137.5°	364.9	365.0	365.1	364.9	364.4	363.9	363.5	363.0	363.5	363.9	364.4
140°	378.2	378.3	378.3	378.2	378.1	377.9	377.8	377.6	377.8	377.9	378.1
142.5°	391.3	391.2	391.1	391.1	391.0	390.9	390.8	390.7	390.8	390.9	391.0
145°	404.2	404.2	404.2	404.1	404.0	403.8	403.7	403.5	403.7	403.8	404.0
147.5°	415.0	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9
150°	425.1	425.0	424.9	425.0	425.1	425.3	425.4	425.6	425.4	425.3	425.1
152.5°	434.3	434.2	434.1	434.3	434.7	435.1	435.5	435.9	435.5	435.1	434.7
155°	442.5	442.4	442.3	442.5	443.0	443.5	443.9	444.4	443.9	443.5	443.0
157.5°	450.1	450.1	450.1	450.2	450.5	450.7	451.0	451.2	451.0	450.7	450.5
160°	456.3	456.2	456.2	456.4	456.9	457.4	457.8	458.3	457.8	457.4	456.9
162.5°	461.9	461.8	461.8	462.0	462.5	463.0	463.5	464.0	463.5	463.0	462.5
165°	466.9	466.8	466.8	467.0	467.5	468.0	468.5	469.0	468.5	468.0	467.5
167.5°	470.8	470.7	470.7	470.9	471.4	471.9	472.4	472.9	472.4	471.9	471.4
170°	473.7	473.6	473.6	473.9	474.4	475.0	475.5	476.1	475.5	475.0	474.4
172.5°	475.9	475.8	475.7	476.0	476.5	477.1	477.6	478.2	477.6	477.1	476.5
175°	477.6	477.5	477.5	477.7	478.2	478.7	479.1	479.6	479.1	478.7	478.2
177.5°	478.7	478.6	478.6	478.8	479.3	479.8	480.2	480.7	480.2	479.8	479.3
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1213.3	1211.2	1206.0	1202.9	1192.5	1179.9	1175.7	1165.3	1169.5	1162.2	1162.2
5°	1181.0	1171.6	1165.3	1155.9	1136.1	1122.5	1107.9	1100.6	1096.4	1091.2	1087.0
7.5°	1139.2	1131.9	1125.6	1107.9	1085.9	1067.2	1049.4	1042.1	1028.5	1019.1	1014.9
10°	1102.7	1092.2	1077.6	1056.7	1033.7	1009.7	994.1	978.4	968.0	962.7	951.2
12.5°	1065.1	1052.5	1036.9	1006.6	981.5	966.9	938.7	924.1	918.9	914.7	901.1
15°	1026.4	1012.9	994.1	965.9	943.9	909.5	892.8	881.3	868.8	867.7	857.3
17.5°	992.0	975.3	959.6	925.1	898.0	867.7	858.3	845.8	834.3	821.8	816.5
20°	948.1	932.5	921.0	883.4	853.1	834.3	818.6	808.2	800.9	788.4	786.3
22.5°	908.4	891.7	876.1	847.9	821.8	797.8	779.0	767.5	764.3	759.1	749.7
25°	869.8	853.1	834.3	808.2	781.0	764.3	747.6	740.3	734.1	725.7	718.4
27.5°	837.4	821.8	804.0	771.6	748.7	736.1	718.4	710.0	701.7	697.5	694.4
30°	798.8	781.0	767.5	742.4	717.4	700.6	688.1	680.8	673.5	669.3	667.2
32.5°	761.2	744.5	735.1	708.0	688.1	668.3	658.9	653.7	649.5	645.3	641.1
35°	730.9	714.2	699.6	674.5	654.7	641.1	633.8	625.5	622.3	618.2	618.2
37.5°	693.3	680.8	666.2	642.2	624.4	614.0	607.7	597.3	596.2	594.1	591.0
40°	661.0	648.4	634.9	614.0	598.3	585.8	577.4	572.2	569.1	567.0	564.9
42.5°	626.5	612.9	606.7	582.7	569.1	556.5	552.4	547.1	546.1	541.9	536.7
45°	593.1	581.6	569.1	551.3	539.8	529.4	523.1	519.0	513.7	512.7	509.6
47.5°	563.9	550.3	538.8	522.1	509.6	501.2	496.0	490.8	486.6	483.5	480.3
50°	526.3	515.8	506.4	488.7	478.2	469.9	462.6	458.4	454.2	454.2	454.2
52.5°	489.7	480.3	472.0	459.4	446.9	439.6	431.2	428.1	426.0	422.9	426.0
55°	454.2	444.8	436.5	427.1	412.5	406.2	397.8	394.7	395.7	395.7	398.9
57.5°	416.6	409.3	404.1	392.6	379.0	372.8	367.6	364.4	364.4	368.6	369.6
60°	380.1	372.8	363.4	352.9	344.6	337.3	334.1	335.2	335.2	337.3	342.5
62.5°	339.4	335.2	330.0	315.3	310.1	304.9	300.7	303.9	302.8	308.0	315.3
65°	301.8	297.6	290.3	283.0	276.7	271.5	270.4	271.5	273.6	278.8	287.1
67.5°	260.0	260.0	253.7	247.5	242.2	237.0	238.1	239.1	241.2	247.5	260.0
70°	225.5	221.4	215.1	210.9	206.7	204.7	202.6	206.7	213.0	217.2	226.6
72.5°	188.0	184.8	179.6	175.4	174.4	172.3	171.2	173.3	179.6	186.9	197.3
75°	148.3	149.3	146.2	143.1	143.1	139.9	142.0	142.0	148.3	155.6	163.9
77.5°	114.9	113.8	112.8	110.7	109.6	109.6	109.6	111.7	118.0	122.2	130.5
80°	81.4	82.5	79.4	80.4	79.4	80.4	80.4	84.6	87.7	92.9	99.2
82.5°	54.3	54.3	52.2	53.3	53.3	53.3	54.3	56.4	60.6	64.7	68.9
85°	30.3	31.3	29.2	31.3	31.3	31.3	32.4	33.4	36.5	37.6	41.8
87.5°	11.5	13.6	13.6	11.5	12.5	13.6	14.6	13.6	15.7	17.8	18.8
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°	19.3	19.2	17.7	14.7	11.7	8.7	5.7	6.1	6.5	6.9	7.3
97.5°	40.0	40.2	36.4	28.9	21.4	13.9	6.4	6.6	6.7	6.9	7.0
100°	60.3	60.4	60.6	60.9	61.2	61.6	61.9	50.1	38.3	26.6	14.8
102.5°	82.3	82.5	82.6	82.7	82.9	83.0	83.2	83.4	83.5	83.7	83.8
105°	105.7	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
107.5°	128.7	128.7	128.8	128.9	129.1	129.2	129.4	129.5	129.6	129.7	129.8
110°	152.2	152.2	152.3	152.4	152.6	152.7	152.9	152.7	152.4	152.2	151.9

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	175.2	175.3	175.3	175.4	175.5	175.5	175.6	175.3	175.0	174.7	174.4
115°	197.8	198.0	198.0	198.1	198.2	198.3	198.4	198.1	197.8	197.5	197.2
117.5°	219.4	219.4	219.6	219.9	220.2	220.5	220.8	220.3	219.9	219.4	218.9
120°	240.3	240.3	240.4	240.7	240.9	241.2	241.4	241.2	241.1	240.9	240.8
122.5°	261.1	261.3	261.3	261.4	261.5	261.6	261.7	261.5	261.4	261.2	261.1
125°	281.3	281.6	281.6	281.6	281.6	281.6	281.6	281.3	281.0	280.7	280.4
127.5°	299.5	299.7	299.7	299.6	299.5	299.5	299.4	299.2	299.1	298.9	298.8
130°	316.6	316.8	316.8	316.9	317.0	317.0	317.1	316.9	316.7	316.4	316.2
132.5°	334.0	334.2	334.1	333.8	333.6	333.3	333.1	333.1	333.1	333.1	333.1
135°	350.0	350.2	350.1	350.0	349.8	349.7	349.5	349.3	349.2	349.0	348.9
137.5°	364.9	365.1	365.0	364.9	364.7	364.6	364.4	364.4	364.4	364.4	364.4
140°	378.2	378.3	378.3	378.2	378.1	378.0	377.9	378.1	378.2	378.4	378.5
142.5°	391.1	391.1	391.2	391.3	391.5	391.6	391.8	391.8	391.8	391.8	391.8
145°	404.1	404.2	404.2	404.2	404.2	404.2	404.2	404.3	404.4	404.5	404.6
147.5°	414.9	414.9	414.9	415.0	415.1	415.2	415.3	415.4	415.4	415.5	415.6
150°	425.0	424.9	425.0	425.1	425.3	425.4	425.6	425.8	425.9	426.1	426.2
152.5°	434.3	434.1	434.2	434.3	434.5	434.6	434.8	435.0	435.1	435.3	435.4
155°	442.5	442.3	442.4	442.5	442.7	442.8	443.0	443.2	443.5	443.7	444.0
157.5°	450.2	450.1	450.1	450.1	450.1	450.1	450.1	450.3	450.6	450.8	451.1
160°	456.4	456.2	456.2	456.3	456.4	456.4	456.5	456.8	457.1	457.4	457.7
162.5°	462.0	461.8	461.8	461.9	462.0	462.1	462.2	462.7	463.1	463.6	464.1
165°	467.0	466.8	466.8	466.9	467.0	467.1	467.2	467.7	468.1	468.6	469.1
167.5°	470.9	470.7	470.7	470.8	470.9	471.0	471.1	471.7	472.2	472.8	473.3
170°	473.9	473.6	473.6	473.7	473.8	473.8	473.9	474.5	475.2	475.8	476.5
172.5°	476.0	475.7	475.8	475.9	476.1	476.2	476.4	477.0	477.5	478.1	478.6
175°	477.7	477.5	477.5	477.6	477.7	477.7	477.8	478.4	479.1	479.7	480.4
177.5°	478.8	478.6	478.6	478.7	478.8	478.8	478.9	479.5	480.0	480.6	481.1
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1166.3	1159.0	1158.0	1160.1	1155.9	1162.2	1160.1	1162.2	1156.9	1162.2	1159.0
5°	1085.9	1083.9	1079.7	1074.5	1075.5	1076.5	1081.8	1076.5	1080.7	1081.8	1087.0
7.5°	1010.8	1006.6	1009.7	1007.6	998.2	996.1	998.2	1001.4	1007.6	1011.8	1014.9
10°	950.2	948.1	943.9	940.8	935.6	932.5	936.6	932.5	940.8	948.1	948.1
12.5°	904.3	895.9	890.7	889.6	878.2	880.2	884.4	887.6	896.9	901.1	901.1
15°	856.2	850.0	847.9	843.7	839.5	843.7	841.6	844.7	848.9	853.1	855.2
17.5°	814.5	813.4	814.5	804.0	807.1	801.9	803.0	808.2	805.1	808.2	814.5
20°	776.9	779.0	775.8	771.6	771.6	765.4	772.7	770.6	771.6	777.9	787.3
22.5°	748.7	747.6	744.5	741.4	737.2	738.2	739.3	737.2	745.5	750.8	751.8
25°	718.4	716.3	715.3	712.1	708.0	712.1	711.1	712.1	714.2	722.6	716.3
27.5°	690.2	686.0	688.1	685.0	683.9	685.0	685.0	686.0	688.1	689.2	690.2
30°	666.2	662.0	661.0	658.9	657.8	658.9	661.0	658.9	667.2	666.2	666.2
32.5°	640.1	636.9	634.9	634.9	633.8	632.8	633.8	634.9	641.1	636.9	641.1
35°	615.0	612.9	612.9	610.8	609.8	609.8	609.8	614.0	611.9	615.0	615.0
37.5°	591.0	591.0	590.0	587.9	586.8	587.9	586.8	588.9	587.9	588.9	590.0
40°	565.9	563.9	562.8	562.8	559.7	556.5	559.7	559.7	560.7	563.9	564.9
42.5°	535.7	536.7	536.7	532.5	532.5	532.5	533.6	534.6	534.6	536.7	536.7
45°	509.6	507.5	507.5	507.5	505.4	506.4	508.5	508.5	508.5	508.5	506.4
47.5°	480.3	480.3	481.4	481.4	484.5	483.5	483.5	482.4	480.3	480.3	481.4
50°	453.2	456.3	457.4	457.4	458.4	459.4	459.4	457.4	456.3	453.2	453.2
52.5°	427.1	429.2	431.2	434.4	436.5	435.4	435.4	433.3	429.2	428.1	427.1
55°	398.9	402.0	406.2	409.3	412.5	413.5	413.5	409.3	405.1	399.9	399.9
57.5°	372.8	375.9	383.2	386.3	390.5	390.5	388.4	385.3	379.0	374.9	371.7
60°	346.7	351.9	357.1	363.4	368.6	369.6	366.5	362.3	355.0	349.8	345.6
62.5°	318.5	323.7	334.1	340.4	344.6	344.6	344.6	339.4	330.0	322.7	316.4
65°	291.3	296.5	305.9	314.3	317.4	320.6	317.4	312.2	304.9	296.5	290.3
67.5°	263.1	269.4	278.8	285.1	289.2	292.4	290.3	286.1	276.7	265.2	261.0
70°	231.8	234.9	248.5	254.8	261.0	263.1	261.0	254.8	245.4	232.9	228.7
72.5°	202.6	205.7	218.2	223.5	228.7	230.8	227.6	223.5	215.1	203.6	198.4
75°	169.2	174.4	180.6	189.0	195.3	197.3	194.2	191.1	180.6	173.3	169.2
77.5°	133.7	138.9	147.2	154.5	160.8	159.8	155.6	156.6	145.1	136.8	133.7
80°	101.3	105.5	111.7	118.0	121.1	121.1	120.1	115.9	111.7	105.5	100.2
82.5°	70.0	75.2	80.4	84.6	84.6	85.6	83.5	82.5	78.3	73.1	72.0
85°	41.8	42.8	47.0	47.0	51.2	49.1	48.0	51.2	47.0	43.9	42.8
87.5°	18.8	17.8	18.8	18.8	17.8	19.8	19.8	18.8	19.8	18.8	18.8
90°	7.5	7.6	7.8	8.1	8.3	8.5	8.3	8.1	7.8	7.6	7.5
92.5°	7.5	7.5	7.6	7.7	7.7	7.8	7.7	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°	83.9	80.6	73.9	67.3	60.6	54.0	60.6	67.3	73.9	80.6	83.9
105°	105.9	105.9	105.8	105.7	105.7	105.6	105.7	105.7	105.8	105.9	105.9
107.5°	129.8	129.6	129.3	129.0	128.6	128.3	128.6	129.0	129.3	129.6	129.8
110°	151.8	151.8	151.9	152.0	152.1	152.2	152.1	152.0	151.9	151.8	151.8

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	174.2	174.1	174.0	173.8	173.7	173.5	173.7	173.8	174.0	174.1	174.2
115°	197.0	196.8	196.3	195.8	195.3	194.8	195.3	195.8	196.3	196.8	197.0
117.5°	218.7	218.6	218.4	218.3	218.1	217.9	218.1	218.3	218.4	218.6	218.7
120°	240.7	240.5	240.1	239.7	239.3	238.9	239.3	239.7	240.1	240.5	240.7
122.5°	261.0	260.8	260.3	259.8	259.3	258.8	259.3	259.8	260.3	260.8	261.0
125°	280.2	280.1	279.8	279.6	279.3	279.1	279.3	279.6	279.8	280.1	280.2
127.5°	298.7	298.4	297.7	297.1	296.4	295.8	296.4	297.1	297.7	298.4	298.7
130°	316.1	315.9	315.5	315.1	314.7	314.3	314.7	315.1	315.5	315.9	316.1
132.5°	333.1	332.9	332.5	332.2	331.8	331.4	331.8	332.2	332.5	332.9	333.1
135°	348.8	348.6	348.1	347.6	347.1	346.6	347.1	347.6	348.1	348.6	348.8
137.5°	364.4	364.2	363.8	363.4	363.0	362.6	363.0	363.4	363.8	364.2	364.4
140°	378.6	378.4	377.9	377.4	377.0	376.5	377.0	377.4	377.9	378.4	378.6
142.5°	391.8	391.6	391.1	390.6	390.2	389.7	390.2	390.6	391.1	391.6	391.8
145°	404.6	404.4	403.9	403.4	403.0	402.5	403.0	403.4	403.9	404.4	404.6
147.5°	415.6	415.3	414.8	414.2	413.7	413.1	413.7	414.2	414.8	415.3	415.6
150°	426.3	426.0	425.3	424.7	424.0	423.4	424.0	424.7	425.3	426.0	426.3
152.5°	435.5	435.2	434.7	434.1	433.6	433.0	433.6	434.1	434.7	435.2	435.5
155°	444.1	443.8	443.1	442.5	441.8	441.2	441.8	442.5	443.1	443.8	444.1
157.5°	451.2	450.9	450.2	449.6	448.9	448.3	448.9	449.6	450.2	450.9	451.2
160°	457.9	457.6	457.0	456.3	455.7	455.1	455.7	456.3	457.0	457.6	457.9
162.5°	464.3	463.9	463.2	462.5	461.8	461.1	461.8	462.5	463.2	463.9	464.3
165°	469.3	469.0	468.4	467.7	467.1	466.5	467.1	467.7	468.4	469.0	469.3
167.5°	473.6	473.2	472.5	471.8	471.1	470.4	471.1	471.8	472.5	473.2	473.6
170°	476.8	476.4	475.7	475.0	474.3	473.6	474.3	475.0	475.7	476.4	476.8
172.5°	478.9	478.5	477.8	477.1	476.4	475.7	476.4	477.1	477.8	478.5	478.9
175°	480.7	480.3	479.6	478.9	478.2	477.5	478.2	478.9	479.6	480.3	480.7
177.5°	481.4	481.1	480.5	479.8	479.2	478.6	479.2	479.8	480.5	481.1	481.4
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1168.4	1162.2	1169.5	1160.1	1162.2	1173.7	1172.6	1183.1	1189.3	1188.3	1193.5
5°	1091.2	1091.2	1094.3	1093.3	1103.7	1113.1	1125.6	1136.1	1147.6	1153.8	1161.1
7.5°	1014.9	1025.4	1027.5	1032.7	1045.2	1060.9	1073.4	1089.1	1105.8	1117.3	1125.6
10°	952.3	960.6	969.0	973.2	986.7	1007.6	1025.4	1050.4	1071.3	1083.9	1095.3
12.5°	896.9	906.3	910.5	929.3	938.7	952.3	977.4	1004.5	1027.5	1041.0	1050.4
15°	857.3	862.5	871.9	883.4	892.8	909.5	930.4	960.6	982.6	994.1	1026.4
17.5°	823.9	830.1	835.3	840.6	855.2	872.9	892.8	918.9	947.1	966.9	983.6
20°	789.4	792.5	798.8	807.1	817.6	834.3	852.0	879.2	904.3	919.9	941.8
22.5°	748.7	758.1	764.3	770.6	782.1	800.9	817.6	837.4	868.8	886.5	909.5
25°	724.7	728.8	733.0	740.3	748.7	765.4	784.2	805.1	830.1	848.9	868.8
27.5°	693.3	699.6	704.8	714.2	719.4	733.0	750.8	771.6	801.9	817.6	834.3
30°	667.2	673.5	677.7	681.8	689.2	703.8	720.5	737.2	765.4	785.2	801.9
32.5°	641.1	647.4	652.6	655.7	663.1	672.5	686.0	706.9	730.9	744.5	766.4
35°	618.2	618.2	624.4	628.6	634.9	643.2	655.7	671.4	696.5	714.2	734.1
37.5°	592.0	593.1	598.3	601.4	607.7	616.1	628.6	643.2	664.1	677.7	697.5
40°	564.9	568.0	570.1	575.3	582.7	585.8	598.3	615.0	635.9	648.4	665.1
42.5°	537.8	539.8	545.1	549.2	555.5	560.7	569.1	584.7	600.4	619.2	632.8
45°	507.5	512.7	515.8	523.1	526.3	531.5	539.8	552.4	571.2	582.7	598.3
47.5°	481.4	483.5	485.5	494.9	501.2	504.3	512.7	520.0	539.8	550.3	564.9
50°	453.2	453.2	456.3	460.5	467.8	474.1	481.4	489.7	505.4	515.8	530.4
52.5°	427.1	423.9	426.0	428.1	435.4	441.7	449.0	460.5	475.1	481.4	493.9
55°	398.9	393.7	396.8	399.9	402.0	410.4	418.7	426.0	437.5	446.9	458.4
57.5°	368.6	367.6	365.5	366.5	371.7	376.9	383.2	392.6	406.2	413.5	419.8
60°	341.4	335.2	333.1	335.2	338.3	341.4	349.8	358.2	369.6	376.9	384.3
62.5°	313.3	307.0	302.8	299.7	302.8	310.1	315.3	321.6	331.0	339.4	345.6
65°	286.1	276.7	272.5	270.4	269.4	274.6	278.8	287.1	295.5	298.6	305.9
67.5°	255.8	247.5	242.2	239.1	239.1	239.1	243.3	251.6	260.0	261.0	268.4
70°	225.5	216.1	210.9	206.7	204.7	206.7	212.0	213.0	220.3	222.4	226.6
72.5°	193.2	184.8	178.6	173.3	174.4	176.5	176.5	178.6	182.7	188.0	188.0
75°	162.9	151.4	148.3	144.1	142.0	142.0	142.0	146.2	149.3	153.5	152.5
77.5°	128.4	122.2	115.9	113.8	110.7	109.6	111.7	111.7	113.8	116.9	118.0
80°	99.2	91.9	87.7	85.6	81.4	80.4	81.4	81.4	84.6	83.5	84.6
82.5°	68.9	63.7	60.6	57.4	55.3	56.4	55.3	55.3	56.4	55.3	55.3
85°	39.7	38.6	36.5	35.5	34.5	32.4	34.5	33.4	32.4	31.3	33.4
87.5°	18.8	17.8	17.8	15.7	15.7	14.6	15.7	15.7	14.6	14.6	14.6
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	14.7	17.7	19.2	19.3
97.5°	7.0	6.9	6.7	6.6	6.4	13.9	21.4	28.9	36.4	40.2	40.0
100°	14.8	26.6	38.3	50.1	61.9	61.6	61.2	60.9	60.6	60.4	60.3
102.5°	83.8	83.7	83.5	83.4	83.2	83.0	82.9	82.7	82.6	82.5	82.3
105°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.7
107.5°	129.8	129.7	129.6	129.5	129.4	129.2	129.1	128.9	128.8	128.7	128.7
110°	151.9	152.2	152.4	152.7	152.9	152.7	152.6	152.4	152.3	152.2	152.2

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	174.4	174.7	175.0	175.3	175.6	175.5	175.5	175.4	175.3	175.3	175.2
115°	197.2	197.5	197.8	198.1	198.4	198.3	198.2	198.1	198.0	198.0	197.8
117.5°	218.9	219.4	219.9	220.3	220.8	220.5	220.2	219.9	219.6	219.4	219.4
120°	240.8	240.9	241.1	241.2	241.4	241.2	240.9	240.7	240.4	240.3	240.3
122.5°	261.1	261.2	261.4	261.5	261.7	261.6	261.5	261.4	261.3	261.3	261.1
125°	280.4	280.7	281.0	281.3	281.6	281.6	281.6	281.6	281.6	281.6	281.3
127.5°	298.8	298.9	299.1	299.2	299.4	299.5	299.5	299.6	299.7	299.7	299.5
130°	316.2	316.4	316.7	316.9	317.1	317.0	317.0	316.9	316.8	316.8	316.6
132.5°	333.1	333.1	333.1	333.1	333.1	333.3	333.6	333.8	334.1	334.2	334.0
135°	348.9	349.0	349.2	349.3	349.5	349.7	349.8	350.0	350.1	350.2	350.0
137.5°	364.4	364.4	364.4	364.4	364.4	364.6	364.7	364.9	365.0	365.1	364.9
140°	378.5	378.4	378.2	378.1	377.9	378.0	378.1	378.2	378.3	378.3	378.2
142.5°	391.8	391.8	391.8	391.8	391.8	391.6	391.5	391.3	391.2	391.1	391.1
145°	404.6	404.5	404.4	404.3	404.2	404.2	404.2	404.2	404.2	404.2	404.1
147.5°	415.6	415.5	415.4	415.4	415.3	415.2	415.1	415.0	414.9	414.9	414.9
150°	426.2	426.1	425.9	425.8	425.6	425.4	425.3	425.1	425.0	424.9	425.0
152.5°	435.4	435.3	435.1	435.0	434.8	434.6	434.5	434.3	434.2	434.1	434.3
155°	444.0	443.7	443.5	443.2	443.0	442.8	442.7	442.5	442.4	442.3	442.5
157.5°	451.1	450.8	450.6	450.3	450.1	450.1	450.1	450.1	450.1	450.1	450.2
160°	457.7	457.4	457.1	456.8	456.5	456.4	456.4	456.3	456.2	456.2	456.4
162.5°	464.1	463.6	463.1	462.7	462.2	462.1	462.0	461.9	461.8	461.8	462.0
165°	469.1	468.6	468.1	467.7	467.2	467.1	467.0	466.9	466.8	466.8	467.0
167.5°	473.3	472.8	472.2	471.7	471.1	471.0	470.9	470.8	470.7	470.7	470.9
170°	476.5	475.8	475.2	474.5	473.9	473.8	473.8	473.7	473.6	473.6	473.9
172.5°	478.6	478.1	477.5	477.0	476.4	476.2	476.1	475.9	475.8	475.7	476.0
175°	480.4	479.7	479.1	478.4	477.8	477.7	477.7	477.6	477.5	477.5	477.7
177.5°	481.1	480.6	480.0	479.5	478.9	478.8	478.8	478.7	478.6	478.6	478.8
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1230.0	1230.0	1230.0	1230.0
2.5°	1200.8	1211.2	1218.6	1232.1
5°	1173.7	1192.5	1210.2	1229.0
7.5°	1146.5	1168.4	1196.6	1220.6
10°	1116.2	1144.4	1177.8	1210.2
12.5°	1085.9	1119.4	1155.9	1198.7
15°	1049.4	1092.2	1135.0	1181.0
17.5°	1017.0	1060.9	1106.8	1164.3
20°	980.5	1028.5	1078.6	1137.1
22.5°	948.1	1001.4	1053.6	1115.2
25°	911.6	963.8	1021.2	1087.0
27.5°	881.3	929.3	985.7	1056.7
30°	844.7	896.9	953.3	1024.3
32.5°	810.3	860.4	919.9	989.9
35°	774.8	825.9	879.2	946.0
37.5°	741.4	785.2	838.5	902.2
40°	703.8	751.8	799.8	850.0
42.5°	669.3	713.2	758.1	797.8
45°	630.7	668.3	711.1	743.5
47.5°	595.2	628.6	662.0	687.1
50°	559.7	585.8	610.8	632.8
52.5°	517.9	547.1	560.7	574.3
55°	480.3	497.0	509.6	523.1
57.5°	443.8	451.1	457.4	469.9
60°	395.7	404.1	411.4	420.8
62.5°	354.0	358.2	360.2	369.6
65°	314.3	313.3	318.5	323.7
67.5°	271.5	270.4	275.7	277.8
70°	229.7	228.7	229.7	234.9
72.5°	190.0	190.0	191.1	193.2
75°	153.5	153.5	154.5	156.6
77.5°	115.9	118.0	116.9	121.1
80°	84.6	82.5	84.6	86.7
82.5°	55.3	57.4	57.4	55.3
85°	31.3	31.3	31.3	31.3
87.5°	13.6	13.6	14.6	15.7
90°	2.3	1.6	1.0	0.4
92.5°	4.7	5.4	6.1	6.8
95°	19.6	19.8	20.1	20.3
97.5°	39.5	39.0	38.5	38.0
100°	60.1	59.8	59.6	59.4
102.5°	82.0	81.7	81.4	81.1
105°	105.4	105.1	104.8	104.5
107.5°	128.7	128.7	128.7	128.7
110°	152.2	152.2	152.2	152.2

TEST NUMBER: P1027010

CATALOG NUMBER: S125DIP-B850D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	174.9	174.7	174.4	174.2
115°	197.4	197.1	196.7	196.3
117.5°	219.4	219.4	219.4	219.4
120°	240.4	240.5	240.6	240.7
122.5°	260.7	260.3	259.9	259.5
125°	280.8	280.2	279.7	279.1
127.5°	299.1	298.7	298.3	297.9
130°	316.2	315.8	315.4	315.0
132.5°	333.5	333.0	332.6	332.1
135°	349.5	349.0	348.6	348.1
137.5°	364.4	363.9	363.5	363.0
140°	378.1	377.9	377.8	377.6
142.5°	391.0	390.9	390.8	390.7
145°	404.0	403.8	403.7	403.5
147.5°	414.9	414.9	414.9	414.9
150°	425.1	425.3	425.4	425.6
152.5°	434.7	435.1	435.5	435.9
155°	443.0	443.5	443.9	444.4
157.5°	450.5	450.7	451.0	451.2
160°	456.9	457.4	457.8	458.3
162.5°	462.5	463.0	463.5	464.0
165°	467.5	468.0	468.5	469.0
167.5°	471.4	471.9	472.4	472.9
170°	474.4	475.0	475.5	476.1
172.5°	476.5	477.1	477.6	478.2
175°	478.2	478.7	479.1	479.6
177.5°	479.3	479.8	480.2	480.7
180°	479.6	479.6	479.6	479.6

(END OF REPORT)