

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: P1026727

Luminaire Tested: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1026727
REPORT IS A COMBINATION OF REPORTS P1001411 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K
Description: Define 5 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

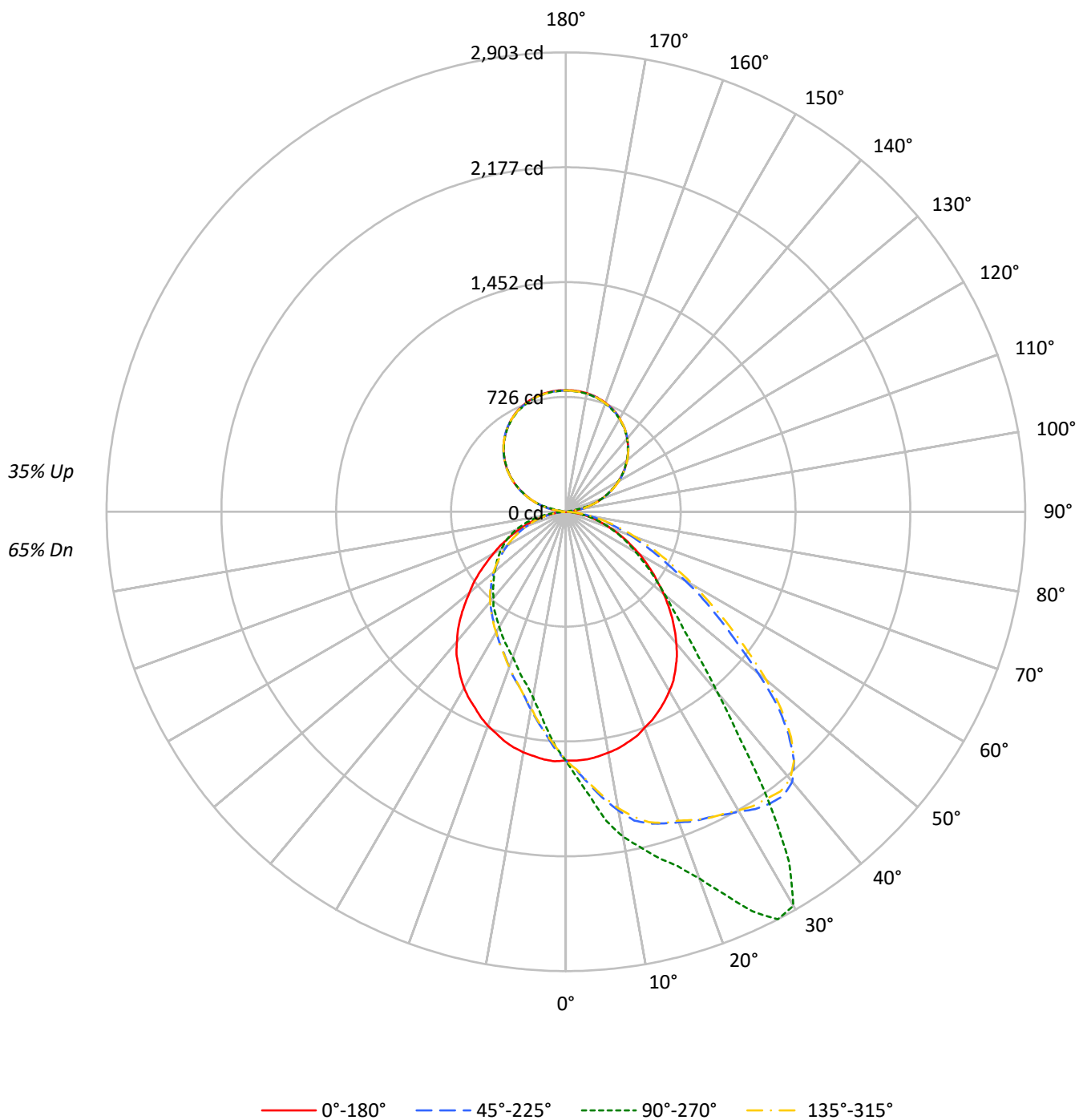
Lumens per Lamp: N/A
Luminaire Lumens: 6792.0 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 62.2
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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70
1	102	97	93	90	95	92	88	85	81	79	76	71	70	68	63	61	60
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	55	53	51
3	85	75	68	62	79	71	64	59	63	58	54	56	52	49	49	46	44
4	78	67	59	53	73	63	56	50	56	51	46	50	46	42	44	41	38
5	71	60	51	45	67	56	49	43	51	45	40	45	40	36	40	36	33
6	66	54	45	39	62	51	43	38	46	40	35	41	36	32	36	32	29
7	61	49	40	35	57	46	39	33	41	35	31	37	32	28	33	29	26
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23
9	53	40	33	28	50	38	31	27	35	29	25	31	26	23	28	24	21
10	49	37	30	25	47	35	29	24	32	26	22	29	24	21	26	22	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10070	10070	10070	10070
5°	10077	11423	10086	8666
10°	10016	13020	9998	7439
15°	9943	14117	9881	6722
20°	9817	15470	9727	6136
25°	9706	17726	9528	5790
30°	9545	18701	9380	5476
35°	9292	14991	9097	5224
40°	8897	10361	8765	4957
45°	8397	7714	8303	4736
50°	7826	6351	7697	4558
55°	7209	5416	7152	4404
60°	6604	4636	6489	4285
65°	5951	4003	5855	4111
70°	5262	3324	5192	3807
75°	4531	2570	4472	3306
80°	3577	1738	3448	2430
85°	2287	869	2213	1239

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 15381 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.3	2.2
10°-20°	450.6	6.6
20°-30°	731.9	10.8
30°-40°	894.4	13.2
40°-50°	811.3	11.9
50°-60°	646.2	9.5
60°-70°	450.1	6.6
70°-80°	239.8	3.5
80°-90°	60.6	0.9
90°-100°	26.0	0.4
100°-110°	173.1	2.5
110°-120°	311.7	4.6
120°-130°	400.1	5.9
130°-140°	430.3	6.3
140°-150°	403.9	5.9
150°-160°	326.7	4.8
160°-170°	211.3	3.1
170°-180°	72.9	1.1
0°-30°	1333.7	19.6
0°-40°	2228.1	32.8
0°-60°	3685.7	54.3
0°-90°	4436.1	65.3
90°-120°	510.8	7.5
90°-150°	1745.0	25.7
90°-180°	2356.0	34.7
0°-180°	6792.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1572	1572	1572	1572	1572	
5°	1570	1813	1572	1376	1570	149
15°	1509	2264	1500	1078	1509	426
25°	1389	2786	1364	910	1389	640
35°	1209	2236	1183	779	1209	755
45°	950	1054	939	647	950	732
55°	668	650	663	528	668	598
65°	414	399	407	410	414	410
75°	200	196	198	252	200	213
85°	40	44	39	63	40	48
90°	1	14	1	14	1	4
95°	32	12	32	12	32	40
105°	167	169	167	169	167	177
115°	314	312	314	312	314	311
125°	446	446	446	446	446	399
135°	557	554	557	554	557	429
145°	645	644	645	644	645	404
155°	711	706	711	706	711	327
165°	750	746	750	746	750	212
175°	767	764	767	764	767	73
180°	767	767	767	767	767	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7
2.5°	1574.3	1583.7	1594.3	1602.3	1615.7	1619.7	1626.4	1630.4	1634.4	1638.4	1641.0
5°	1570.3	1593.0	1613.0	1627.7	1653.0	1662.4	1674.4	1689.1	1706.4	1721.1	1730.4
7.5°	1559.7	1595.7	1622.4	1651.7	1686.4	1709.1	1721.1	1751.8	1779.8	1801.1	1829.2
10°	1546.3	1589.0	1630.4	1674.4	1723.8	1749.1	1773.1	1815.8	1854.5	1889.2	1917.2
12.5°	1531.6	1583.7	1633.0	1690.4	1757.1	1787.8	1803.8	1877.2	1925.2	1943.9	1998.6
15°	1509.0	1570.3	1641.0	1711.7	1767.8	1803.8	1847.8	1906.5	1954.6	1995.9	2040.0
17.5°	1487.6	1554.3	1626.4	1705.1	1786.5	1833.2	1866.5	1918.5	1970.6	2023.9	2065.3
20°	1452.9	1539.6	1613.0	1697.1	1793.1	1826.5	1861.2	1922.5	1978.6	2036.0	2088.0
22.5°	1424.9	1507.6	1607.7	1687.7	1769.1	1802.5	1845.2	1909.2	1975.9	2041.3	2117.3
25°	1388.9	1480.9	1567.7	1653.0	1737.1	1773.1	1811.8	1894.5	1963.9	2048.0	2132.0
27.5°	1350.2	1444.9	1531.6	1609.0	1687.7	1737.1	1778.5	1865.2	1957.2	2049.3	2158.7
30°	1308.8	1398.2	1480.9	1557.0	1643.7	1694.4	1735.8	1837.2	1939.9	2057.3	2188.1
32.5°	1264.8	1348.9	1419.6	1496.9	1589.0	1635.7	1691.7	1802.5	1923.9	2064.0	2228.1
35°	1208.8	1288.8	1351.5	1430.2	1522.3	1582.3	1641.0	1765.1	1906.5	2062.6	2250.8
37.5°	1152.7	1215.4	1275.5	1359.5	1466.3	1521.0	1582.3	1718.4	1879.9	2058.6	2260.1
40°	1086.0	1147.4	1199.4	1284.8	1396.9	1459.6	1523.6	1666.4	1849.2	2044.0	2226.7
42.5°	1019.3	1071.3	1128.7	1218.1	1326.2	1392.9	1460.9	1619.7	1809.1	2001.3	2134.7
45°	949.9	990.0	1052.7	1134.1	1248.8	1312.8	1390.2	1562.3	1753.1	1923.9	1990.6
47.5°	877.9	917.9	976.6	1055.3	1168.7	1244.8	1318.2	1490.3	1682.4	1814.5	1814.5
50°	808.5	840.5	897.9	976.6	1091.4	1160.7	1235.4	1418.2	1573.0	1670.4	1583.7
52.5°	733.8	769.8	817.9	900.6	1014.0	1076.7	1158.1	1314.2	1460.9	1500.9	1367.5
55°	668.4	697.8	743.1	821.9	927.3	992.6	1062.0	1211.4	1335.5	1332.8	1190.1
57.5°	600.4	624.4	672.4	744.5	841.9	900.6	969.9	1099.4	1200.8	1164.7	1030.0
60°	537.7	555.0	601.7	660.4	753.8	808.5	875.2	980.6	1058.0	1007.3	871.2
62.5°	472.3	492.3	529.7	587.0	669.8	713.8	763.1	869.9	919.2	873.9	735.1
65°	413.6	429.6	463.0	511.0	585.7	625.7	668.4	756.5	803.2	737.8	623.1
67.5°	354.9	373.6	397.6	440.3	499.0	536.3	573.7	649.7	671.1	612.4	516.3
70°	300.2	316.2	338.9	369.6	418.9	452.3	480.3	543.0	557.7	503.0	426.9
72.5°	246.8	257.5	276.2	301.5	346.9	365.6	394.9	437.6	456.3	406.9	352.2
75°	200.1	208.1	220.1	238.8	269.5	289.5	313.5	353.6	352.2	317.5	278.8
77.5°	154.8	156.1	169.4	186.8	205.5	222.8	234.8	262.8	265.5	244.2	212.1
80°	110.7	114.7	120.1	133.4	149.4	156.1	170.8	188.1	190.8	174.8	153.4
82.5°	70.7	73.4	77.4	85.4	96.1	104.1	112.1	118.7	125.4	116.1	98.7
85°	40.0	41.4	45.4	48.0	53.4	57.4	64.0	70.7	69.4	62.7	57.4
87.5°	20.0	20.0	20.0	22.7	25.3	25.3	28.0	29.4	30.7	28.0	25.3
90°	0.6	1.6	2.6	3.6	4.6	5.1	5.5	6.4	7.3	8.2	9.1
92.5°	10.8	9.7	8.5	7.4	6.3	5.7	6.1	6.8	7.6	8.3	9.1
95°	32.4	32.0	31.6	31.3	30.9	30.7	28.3	23.5	18.7	13.9	9.1
97.5°	60.8	61.6	62.3	63.1	63.8	64.2	58.2	46.2	34.2	22.2	10.2
100°	94.9	95.3	95.7	96.0	96.4	96.6	96.9	97.4	97.9	98.4	98.9
102.5°	129.6	130.1	130.6	131.1	131.6	131.9	132.0	132.3	132.5	132.8	133.0
105°	167.1	167.6	168.1	168.6	169.1	169.4	169.4	169.4	169.4	169.4	169.4
107.5°	205.8	205.8	205.8	205.8	205.8	205.8	205.9	206.2	206.4	206.7	206.9
110°	243.3	243.3	243.3	243.3	243.3	243.3	243.4	243.7	244.0	244.2	244.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	278.6	279.0	279.4	279.7	280.1	280.3	280.4	280.5	280.6	280.7	280.8
115°	313.8	314.4	315.1	315.7	316.4	316.7	316.8	316.9	317.0	317.1	317.2
117.5°	350.8	350.8	350.8	350.8	350.8	350.8	351.1	351.6	352.1	352.6	353.1
120°	384.9	384.8	384.6	384.5	384.4	384.3	384.5	384.9	385.2	385.6	386.0
122.5°	415.0	415.6	416.3	416.9	417.6	417.9	418.0	418.1	418.2	418.3	418.4
125°	446.3	447.2	448.1	449.0	449.9	450.3	450.3	450.3	450.3	450.3	450.3
127.5°	476.4	477.0	477.7	478.3	479.0	479.3	479.2	479.1	479.0	478.8	478.7
130°	503.7	504.3	505.0	505.6	506.3	506.6	506.7	506.8	506.9	507.0	507.1
132.5°	531.0	531.8	532.5	533.3	534.0	534.4	534.2	533.8	533.5	533.1	532.7
135°	556.6	557.4	558.1	558.9	559.6	560.0	559.9	559.6	559.4	559.1	558.9
137.5°	580.5	581.3	582.0	582.8	583.5	583.9	583.8	583.5	583.2	583.0	582.7
140°	603.8	604.0	604.3	604.5	604.8	604.9	604.8	604.7	604.6	604.4	604.3
142.5°	624.8	624.9	625.1	625.2	625.3	625.4	625.5	625.8	626.0	626.3	626.5
145°	645.3	645.5	645.8	646.0	646.3	646.4	646.4	646.4	646.4	646.4	646.4
147.5°	663.5	663.5	663.5	663.5	663.5	663.5	663.6	663.7	663.8	663.9	664.0
150°	680.5	680.3	680.0	679.8	679.5	679.4	679.5	679.8	680.0	680.3	680.5
152.5°	697.0	696.4	695.8	695.1	694.5	694.2	694.3	694.6	694.8	695.1	695.3
155°	710.7	709.9	709.1	708.4	707.6	707.2	707.3	707.6	707.9	708.1	708.4
157.5°	721.5	721.1	720.7	720.3	719.9	719.7	719.7	719.7	719.7	719.7	719.7
160°	732.8	732.0	731.3	730.5	729.8	729.4	729.5	729.6	729.7	729.9	730.0
162.5°	741.9	741.1	740.4	739.6	738.9	738.5	738.6	738.7	738.8	739.0	739.1
165°	749.9	749.1	748.4	747.6	746.9	746.5	746.6	746.7	746.8	746.9	747.0
167.5°	756.1	755.3	754.6	753.8	753.1	752.7	752.8	752.9	753.0	753.2	753.3
170°	761.2	760.3	759.5	758.6	757.7	757.3	757.4	757.5	757.6	757.7	757.8
172.5°	764.7	763.8	762.9	762.0	761.1	760.7	760.8	761.1	761.3	761.6	761.8
175°	766.9	766.1	765.4	764.6	763.9	763.5	763.6	763.7	763.8	764.0	764.1
177.5°	768.6	767.8	767.1	766.3	765.6	765.2	765.3	765.4	765.5	765.7	765.8
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7
2.5°	1643.7	1653.0	1661.1	1667.7	1673.1	1681.1	1675.7	1677.1	1679.7	1685.1	1685.1
5°	1750.4	1765.1	1773.1	1799.8	1806.5	1805.1	1801.1	1822.5	1821.2	1813.1	1811.8
7.5°	1854.5	1879.9	1902.5	1923.9	1930.6	1947.9	1951.9	1961.2	1958.6	1971.9	1965.2
10°	1949.2	1989.3	2010.6	2042.6	2050.6	2058.6	2069.3	2074.6	2086.7	2085.3	2085.3
12.5°	2022.6	2070.6	2098.7	2106.7	2137.4	2146.7	2156.0	2173.4	2169.4	2170.7	2178.7
15°	2080.0	2126.7	2150.7	2188.1	2209.4	2220.1	2236.1	2254.8	2252.1	2264.1	2261.4
17.5°	2122.7	2166.7	2210.7	2266.8	2268.1	2296.1	2333.5	2341.5	2358.8	2346.8	2346.8
20°	2157.4	2216.1	2278.8	2350.8	2358.8	2376.2	2421.5	2452.2	2472.2	2465.6	2469.6
22.5°	2194.7	2278.8	2352.2	2424.2	2462.9	2493.6	2537.6	2585.6	2603.0	2613.7	2611.0
25°	2242.8	2330.8	2438.9	2538.9	2579.0	2637.7	2696.4	2743.1	2756.4	2785.8	2759.1
27.5°	2292.1	2416.2	2550.9	2668.4	2719.1	2767.1	2837.8	2872.5	2889.8	2903.2	2893.8
30°	2333.5	2504.3	2651.0	2759.1	2795.1	2823.1	2863.1	2871.1	2864.5	2875.2	2888.5
32.5°	2397.5	2564.3	2688.4	2740.4	2736.4	2735.1	2704.4	2661.7	2652.3	2627.0	2661.7
35°	2432.2	2565.6	2613.7	2544.3	2516.3	2465.6	2368.2	2304.1	2248.1	2236.1	2238.7
37.5°	2412.2	2464.2	2406.9	2224.1	2178.7	2101.3	1971.9	1881.2	1839.8	1807.8	1849.2
40°	2304.1	2246.8	2089.3	1866.5	1801.1	1727.8	1606.3	1557.0	1498.3	1486.3	1541.0
42.5°	2125.3	1950.6	1727.8	1555.7	1487.6	1446.2	1344.9	1298.2	1256.8	1238.1	1268.8
45°	1882.5	1670.4	1446.2	1304.8	1247.5	1198.1	1138.1	1088.7	1062.0	1054.0	1079.3
47.5°	1631.7	1407.6	1228.8	1123.4	1063.3	1026.0	969.9	941.9	920.6	923.3	927.3
50°	1391.5	1187.4	1050.0	944.6	915.2	885.9	848.5	824.5	813.8	817.9	815.2
52.5°	1184.7	1019.3	903.2	821.9	808.5	780.5	749.8	729.8	725.8	727.1	731.1
55°	1003.3	873.9	781.8	723.1	708.4	688.4	669.8	656.4	645.7	649.7	648.4
57.5°	865.9	752.5	681.8	633.7	623.1	611.1	593.7	587.0	583.0	575.0	581.7
60°	744.5	652.4	591.0	561.7	552.3	544.3	525.7	517.7	515.0	511.0	521.7
62.5°	629.7	564.4	517.7	491.0	481.6	473.6	464.3	457.6	459.0	453.6	459.0
65°	539.0	485.6	452.3	428.3	416.3	410.9	409.6	398.9	397.6	398.9	400.3
67.5°	455.0	409.6	384.2	369.6	360.2	354.9	350.9	344.2	349.6	345.6	348.2
70°	378.9	348.2	321.5	306.9	302.9	304.2	297.5	294.9	296.2	293.5	296.2
72.5°	305.5	280.2	269.5	258.8	253.5	252.2	248.2	244.2	248.2	246.8	246.8
75°	244.2	225.5	213.5	206.8	206.8	204.1	197.5	197.5	197.5	196.1	197.5
77.5°	188.1	172.1	166.8	160.1	160.1	156.1	154.8	154.8	152.1	156.1	153.4
80°	140.1	128.1	120.1	116.1	116.1	114.7	112.1	110.7	112.1	110.7	110.7
82.5°	90.7	85.4	81.4	77.4	76.0	77.4	76.0	73.4	74.7	73.4	76.0
85°	52.0	46.7	46.7	44.0	45.4	42.7	44.0	41.4	40.0	44.0	41.4
87.5°	22.7	21.3	21.3	18.7	18.7	18.7	17.3	18.7	17.3	16.0	17.3
90°	9.7	10.3	11.0	11.6	11.9	12.1	12.5	12.8	13.2	13.6	13.2
92.5°	9.7	10.3	11.0	11.6	11.9	12.0	12.1	12.2	12.4	12.5	12.4
95°	9.7	10.3	11.0	11.6	11.9	11.9	11.9	11.9	11.9	11.9	11.9
97.5°	10.5	10.7	11.0	11.3	11.4	11.5	11.6	11.7	11.8	11.9	11.8
100°	80.1	61.3	42.4	23.6	14.2	13.9	13.4	12.9	12.4	11.9	12.4
102.5°	133.3	133.5	133.8	134.1	134.2	128.9	118.3	107.6	97.0	86.4	97.0
105°	169.4	169.4	169.4	169.4	169.4	169.3	169.2	169.1	169.0	168.9	169.0
107.5°	207.0	207.2	207.3	207.4	207.5	207.2	206.7	206.2	205.7	205.2	205.7
110°	244.1	243.7	243.4	243.0	242.8	242.9	243.0	243.1	243.2	243.3	243.2

TEST NUMBER: P1026727

CATALOG NUMBER: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	280.3	279.8	279.3	278.8	278.6	278.5	278.2	277.9	277.7	277.4	277.7
115°	316.7	316.2	315.7	315.2	315.0	314.6	313.8	313.1	312.3	311.5	312.3
117.5°	352.3	351.5	350.8	350.0	349.6	349.5	349.2	349.0	348.7	348.5	348.7
120°	385.8	385.5	385.3	385.0	384.9	384.6	383.9	383.3	382.6	382.0	382.6
122.5°	418.2	417.9	417.7	417.4	417.3	416.9	416.2	415.4	414.7	413.9	414.7
125°	449.8	449.3	448.8	448.3	448.0	447.8	447.4	447.1	446.7	446.3	446.7
127.5°	478.5	478.2	478.0	477.7	477.6	477.1	476.1	475.0	474.0	473.0	474.0
130°	506.7	506.3	506.0	505.6	505.4	505.1	504.5	503.8	503.2	502.6	503.2
132.5°	532.7	532.7	532.7	532.7	532.7	532.4	531.8	531.1	530.5	529.9	530.5
135°	558.6	558.4	558.1	557.8	557.7	557.3	556.6	555.8	555.1	554.3	555.1
137.5°	582.7	582.7	582.7	582.7	582.7	582.4	581.8	581.1	580.5	579.9	580.5
140°	604.6	604.8	605.1	605.4	605.5	605.1	604.4	603.6	602.9	602.1	602.9
142.5°	626.5	626.5	626.5	626.5	626.5	626.1	625.4	624.6	623.9	623.1	623.9
145°	646.5	646.7	646.8	646.9	647.0	646.6	645.9	645.1	644.4	643.6	644.4
147.5°	664.1	664.3	664.4	664.5	664.6	664.2	663.3	662.4	661.5	660.6	661.5
150°	680.8	681.0	681.3	681.6	681.7	681.2	680.2	679.1	678.1	677.1	678.1
152.5°	695.5	695.8	696.0	696.3	696.4	696.0	695.1	694.2	693.4	692.5	693.4
155°	708.8	709.2	709.5	709.9	710.1	709.6	708.6	707.5	706.5	705.5	706.5
157.5°	720.1	720.5	720.9	721.3	721.5	721.0	720.0	718.9	717.9	716.9	717.9
160°	730.5	731.0	731.5	732.0	732.3	731.8	730.8	729.7	728.7	727.7	728.7
162.5°	739.9	740.6	741.4	742.1	742.5	741.9	740.8	739.7	738.5	737.4	738.5
165°	747.8	748.5	749.3	750.0	750.4	749.9	748.9	747.9	746.9	745.9	746.9
167.5°	754.2	755.1	756.0	756.9	757.3	756.7	755.6	754.5	753.3	752.2	753.3
170°	758.8	759.8	760.9	761.9	762.4	761.8	760.7	759.6	758.4	757.3	758.4
172.5°	762.7	763.6	764.5	765.4	765.8	765.2	764.1	763.0	761.8	760.7	761.8
175°	765.1	766.1	767.1	768.1	768.6	768.0	766.9	765.8	764.6	763.5	764.6
177.5°	766.7	767.6	768.5	769.4	769.8	769.3	768.3	767.2	766.2	765.2	766.2
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

TEST NUMBER: P1026727

CATALOG NUMBER: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7
2.5°	1682.4	1673.1	1675.7	1673.1	1666.4	1662.4	1651.7	1638.4	1633.0	1626.4	1622.4
5°	1817.1	1810.5	1809.1	1798.5	1795.8	1779.8	1753.1	1739.8	1723.8	1707.7	1691.7
7.5°	1963.9	1955.9	1929.2	1925.2	1927.9	1907.9	1873.2	1846.5	1813.1	1790.5	1759.8
10°	2085.3	2069.3	2046.6	2048.0	2038.6	2011.9	1977.3	1949.2	1901.2	1871.9	1827.8
12.5°	2158.7	2145.4	2142.7	2129.3	2121.3	2086.7	2045.3	2009.3	1973.2	1933.2	1899.9
15°	2248.1	2230.7	2218.7	2200.1	2194.7	2158.7	2113.3	2072.0	2030.6	1993.3	1922.5
17.5°	2346.8	2328.1	2282.8	2278.8	2246.8	2212.1	2168.0	2106.7	2062.6	2009.3	1957.2
20°	2458.9	2432.2	2373.5	2358.8	2333.5	2276.1	2216.1	2148.0	2077.3	2022.6	1961.2
22.5°	2584.3	2537.6	2494.9	2448.2	2429.5	2358.8	2276.1	2193.4	2108.0	2033.3	1959.9
25°	2747.1	2685.7	2625.7	2579.0	2546.9	2454.9	2344.1	2234.7	2136.0	2038.6	1942.6
27.5°	2875.2	2821.8	2756.4	2695.0	2653.7	2544.3	2417.5	2276.1	2153.4	2034.6	1931.9
30°	2884.5	2868.5	2828.5	2795.1	2749.7	2632.3	2492.2	2332.1	2180.0	2036.0	1910.5
32.5°	2709.7	2741.7	2759.1	2764.4	2755.1	2687.0	2559.0	2382.8	2204.1	2023.9	1891.9
35°	2333.5	2418.9	2524.3	2564.3	2603.0	2639.0	2572.3	2418.9	2212.1	2021.3	1862.5
37.5°	1921.2	1998.6	2173.4	2253.4	2298.8	2441.5	2496.2	2413.5	2228.1	2023.9	1834.5
40°	1550.3	1673.1	1798.5	1906.5	1977.3	2137.4	2306.8	2325.5	2205.4	1998.6	1798.5
42.5°	1304.8	1376.9	1471.6	1571.7	1634.4	1823.8	2053.3	2188.1	2134.7	1957.2	1754.4
45°	1111.4	1164.7	1254.1	1287.5	1367.5	1549.0	1791.8	1986.6	2013.3	1891.9	1703.7
47.5°	953.9	999.3	1056.7	1098.0	1162.1	1298.2	1503.6	1718.4	1846.5	1802.5	1633.0
50°	840.5	877.9	925.9	949.9	991.3	1114.0	1268.8	1482.3	1654.4	1669.1	1541.0
52.5°	745.8	767.2	804.5	831.2	864.5	939.3	1079.3	1255.5	1448.9	1529.0	1427.6
55°	663.1	680.4	713.8	731.1	748.5	812.5	921.9	1082.0	1263.5	1368.9	1311.5
57.5°	588.4	603.0	631.1	647.1	656.4	717.8	801.8	927.3	1090.0	1218.1	1186.1
60°	527.0	540.3	556.4	568.4	579.0	629.7	688.4	789.8	935.3	1059.3	1051.3
62.5°	461.6	473.6	491.0	503.0	512.3	544.3	593.7	671.1	795.2	909.9	932.6
65°	404.3	413.6	425.6	430.9	442.9	467.0	507.0	576.4	677.8	780.5	796.5
67.5°	352.2	354.9	362.9	374.9	377.6	398.9	434.9	487.0	565.7	649.7	675.1
70°	296.2	300.2	306.9	316.2	321.5	334.9	365.6	400.3	468.3	541.7	560.4
72.5°	246.8	252.2	254.8	260.2	262.8	284.2	297.5	332.2	378.9	440.3	460.3
75°	200.1	205.5	206.8	209.5	212.1	221.5	240.2	261.5	300.2	340.2	366.9
77.5°	158.8	157.4	160.1	164.1	162.8	170.8	182.8	201.5	226.8	260.2	277.5
80°	112.1	112.1	116.1	120.1	118.7	126.7	130.7	144.1	165.4	186.8	193.5
82.5°	74.7	74.7	78.7	78.7	81.4	82.7	88.1	94.7	112.1	122.7	126.7
85°	42.7	42.7	44.0	44.0	44.0	46.7	50.7	53.4	58.7	65.4	68.0
87.5°	17.3	18.7	18.7	18.7	18.7	21.3	21.3	24.0	25.3	28.0	28.0
90°	12.8	12.5	12.1	11.9	11.6	11.0	10.3	9.7	9.1	8.2	7.3
92.5°	12.2	12.1	12.0	11.9	11.6	11.0	10.3	9.7	9.1	8.3	7.6
95°	11.9	11.9	11.9	11.9	11.6	11.0	10.3	9.7	9.1	13.9	18.7
97.5°	11.7	11.6	11.5	11.4	11.3	11.0	10.7	10.5	10.2	22.2	34.2
100°	12.9	13.4	13.9	14.2	23.6	42.4	61.3	80.1	98.9	98.4	97.9
102.5°	107.6	118.3	128.9	134.2	134.1	133.8	133.5	133.3	133.0	132.8	132.5
105°	169.1	169.2	169.3	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4
107.5°	206.2	206.7	207.2	207.5	207.4	207.3	207.2	207.0	206.9	206.7	206.4
110°	243.1	243.0	242.9	242.8	243.0	243.4	243.7	244.1	244.5	244.2	244.0



TEST NUMBER: P1026727

CATALOG NUMBER: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	277.9	278.2	278.5	278.6	278.8	279.3	279.8	280.3	280.8	280.7	280.6
115°	313.1	313.8	314.6	315.0	315.2	315.7	316.2	316.7	317.2	317.1	317.0
117.5°	349.0	349.2	349.5	349.6	350.0	350.8	351.5	352.3	353.1	352.6	352.1
120°	383.3	383.9	384.6	384.9	385.0	385.3	385.5	385.8	386.0	385.6	385.2
122.5°	415.4	416.2	416.9	417.3	417.4	417.7	417.9	418.2	418.4	418.3	418.2
125°	447.1	447.4	447.8	448.0	448.3	448.8	449.3	449.8	450.3	450.3	450.3
127.5°	475.0	476.1	477.1	477.6	477.7	478.0	478.2	478.5	478.7	478.8	479.0
130°	503.8	504.5	505.1	505.4	505.6	506.0	506.3	506.7	507.1	507.0	506.9
132.5°	531.1	531.8	532.4	532.7	532.7	532.7	532.7	532.7	532.7	533.1	533.5
135°	555.8	556.6	557.3	557.7	557.8	558.1	558.4	558.6	558.9	559.1	559.4
137.5°	581.1	581.8	582.4	582.7	582.7	582.7	582.7	582.7	582.7	583.0	583.2
140°	603.6	604.4	605.1	605.5	605.4	605.1	604.8	604.6	604.3	604.4	604.6
142.5°	624.6	625.4	626.1	626.5	626.5	626.5	626.5	626.5	626.5	626.3	626.0
145°	645.1	645.9	646.6	647.0	646.9	646.8	646.7	646.5	646.4	646.4	646.4
147.5°	662.4	663.3	664.2	664.6	664.5	664.4	664.3	664.1	664.0	663.9	663.8
150°	679.1	680.2	681.2	681.7	681.6	681.3	681.0	680.8	680.5	680.3	680.0
152.5°	694.2	695.1	696.0	696.4	696.3	696.0	695.8	695.5	695.3	695.1	694.8
155°	707.5	708.6	709.6	710.1	709.9	709.5	709.2	708.8	708.4	708.1	707.9
157.5°	718.9	720.0	721.0	721.5	721.3	720.9	720.5	720.1	719.7	719.7	719.7
160°	729.7	730.8	731.8	732.3	732.0	731.5	731.0	730.5	730.0	729.9	729.7
162.5°	739.7	740.8	741.9	742.5	742.1	741.4	740.6	739.9	739.1	739.0	738.8
165°	747.9	748.9	749.9	750.4	750.0	749.3	748.5	747.8	747.0	746.9	746.8
167.5°	754.5	755.6	756.7	757.3	756.9	756.0	755.1	754.2	753.3	753.2	753.0
170°	759.6	760.7	761.8	762.4	761.9	760.9	759.8	758.8	757.8	757.7	757.6
172.5°	763.0	764.1	765.2	765.8	765.4	764.5	763.6	762.7	761.8	761.6	761.3
175°	765.8	766.9	768.0	768.6	768.1	767.1	766.1	765.1	764.1	764.0	763.8
177.5°	767.2	768.3	769.3	769.8	769.4	768.5	767.6	766.7	765.8	765.7	765.5
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

TEST NUMBER: P1026727

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7
2.5°	1617.0	1610.4	1602.3	1602.3	1593.0	1589.0	1581.0	1578.3	1571.7	1561.0	1553.0
5°	1674.4	1657.0	1646.4	1637.0	1617.0	1602.3	1587.7	1571.7	1555.7	1537.0	1515.6
7.5°	1730.4	1698.4	1683.7	1667.7	1638.4	1607.7	1578.3	1557.0	1535.6	1506.3	1479.6
10°	1789.1	1749.1	1722.4	1701.1	1655.7	1617.0	1574.3	1543.6	1510.3	1472.9	1438.2
12.5°	1838.5	1786.5	1763.8	1723.8	1671.7	1625.0	1571.7	1525.0	1480.9	1436.9	1394.2
15°	1879.9	1830.5	1774.5	1758.4	1686.4	1619.7	1559.7	1499.6	1444.9	1400.9	1351.5
17.5°	1893.2	1830.5	1802.5	1763.8	1678.4	1609.0	1533.0	1467.6	1415.6	1350.2	1311.5
20°	1897.2	1837.2	1798.5	1762.4	1686.4	1594.3	1519.6	1439.6	1376.9	1311.5	1250.1
22.5°	1886.5	1815.8	1778.5	1743.8	1658.4	1579.7	1492.9	1404.9	1331.5	1271.5	1210.1
25°	1866.5	1783.8	1747.8	1710.4	1629.0	1542.3	1447.6	1363.5	1295.5	1223.4	1163.4
27.5°	1839.8	1745.1	1703.7	1665.1	1585.0	1503.6	1414.2	1327.5	1251.5	1175.4	1119.4
30°	1806.5	1697.1	1659.7	1609.0	1531.6	1454.3	1372.9	1286.1	1200.8	1128.7	1067.3
32.5°	1763.8	1649.0	1599.7	1551.6	1467.6	1396.9	1319.5	1238.1	1155.4	1084.7	1020.6
35°	1725.1	1594.3	1539.6	1491.6	1398.2	1323.5	1259.5	1183.4	1110.0	1036.7	979.3
37.5°	1673.1	1539.6	1474.3	1424.9	1330.2	1254.1	1194.1	1135.4	1058.0	987.3	933.9
40°	1618.4	1471.6	1410.2	1360.9	1262.1	1179.4	1122.0	1070.0	1007.3	941.9	885.9
42.5°	1569.0	1406.2	1340.8	1280.8	1180.7	1107.4	1048.7	1008.6	951.3	892.6	841.9
45°	1506.3	1336.8	1266.1	1203.4	1107.4	1027.3	971.3	939.3	896.6	839.2	795.2
47.5°	1442.2	1262.1	1188.8	1127.4	1023.3	952.6	897.9	867.2	837.9	792.5	748.5
50°	1358.2	1183.4	1116.7	1046.0	943.3	871.2	825.9	795.2	772.5	740.5	703.1
52.5°	1266.1	1102.0	1030.0	968.6	867.2	801.8	749.8	732.5	709.8	685.8	653.7
55°	1168.7	1014.0	944.6	884.6	791.2	724.5	681.8	663.1	645.7	627.1	605.7
57.5°	1071.3	921.9	856.5	803.2	716.5	652.4	617.7	592.4	580.4	569.7	552.3
60°	949.9	823.2	772.5	724.5	639.1	580.4	547.0	528.3	517.7	512.3	504.3
62.5°	843.2	739.1	683.1	636.4	568.4	516.3	484.3	469.6	460.3	457.6	448.3
65°	729.8	640.4	596.4	556.4	497.6	451.0	424.3	406.9	400.3	398.9	398.9
67.5°	623.1	551.0	507.0	479.0	428.3	386.9	361.6	354.9	350.9	345.6	344.2
70°	523.0	465.6	426.9	402.9	357.6	326.9	306.9	296.2	296.2	292.2	289.5
72.5°	434.9	377.6	352.2	332.2	294.9	268.2	253.5	250.8	241.5	240.2	240.2
75°	340.2	297.5	280.2	262.8	234.8	216.1	204.1	197.5	192.1	192.1	193.5
77.5°	256.2	226.8	210.8	197.5	177.4	165.4	156.1	153.4	148.1	148.1	148.1
80°	181.4	165.4	153.4	142.8	128.1	117.4	112.1	106.7	106.7	105.4	106.7
82.5°	117.4	104.1	97.4	96.1	82.7	78.7	72.0	73.4	69.4	68.0	70.7
85°	68.0	61.4	53.4	50.7	45.4	40.0	37.4	38.7	37.4	36.0	37.4
87.5°	26.7	22.7	21.3	21.3	17.3	16.0	14.7	16.0	13.3	13.3	14.7
90°	6.4	5.5	5.1	4.6	3.6	2.6	1.6	0.6	1.6	2.6	3.6
92.5°	6.8	6.1	5.7	6.3	7.4	8.5	9.7	10.8	9.7	8.5	7.4
95°	23.5	28.3	30.7	30.9	31.3	31.6	32.0	32.4	32.0	31.6	31.3
97.5°	46.2	58.2	64.2	63.8	63.1	62.3	61.6	60.8	61.6	62.3	63.1
100°	97.4	96.9	96.6	96.4	96.0	95.7	95.3	94.9	95.3	95.7	96.0
102.5°	132.3	132.0	131.9	131.6	131.1	130.6	130.1	129.6	130.1	130.6	131.1
105°	169.4	169.4	169.4	169.1	168.6	168.1	167.6	167.1	167.6	168.1	168.6
107.5°	206.2	205.9	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8
110°	243.7	243.4	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3

TEST NUMBER: P1026727

CATALOG NUMBER: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	280.5	280.4	280.3	280.1	279.7	279.4	279.0	278.6	279.0	279.4	279.7
115°	316.9	316.8	316.7	316.4	315.7	315.1	314.4	313.8	314.4	315.1	315.7
117.5°	351.6	351.1	350.8	350.8	350.8	350.8	350.8	350.8	350.8	350.8	350.8
120°	384.9	384.5	384.3	384.4	384.5	384.6	384.8	384.9	384.8	384.6	384.5
122.5°	418.1	418.0	417.9	417.6	416.9	416.3	415.6	415.0	415.6	416.3	416.9
125°	450.3	450.3	450.3	449.9	449.0	448.1	447.2	446.3	447.2	448.1	449.0
127.5°	479.1	479.2	479.3	479.0	478.3	477.7	477.0	476.4	477.0	477.7	478.3
130°	506.8	506.7	506.6	506.3	505.6	505.0	504.3	503.7	504.3	505.0	505.6
132.5°	533.8	534.2	534.4	534.0	533.3	532.5	531.8	531.0	531.8	532.5	533.3
135°	559.6	559.9	560.0	559.6	558.9	558.1	557.4	556.6	557.4	558.1	558.9
137.5°	583.5	583.8	583.9	583.5	582.8	582.0	581.3	580.5	581.3	582.0	582.8
140°	604.7	604.8	604.9	604.8	604.5	604.3	604.0	603.8	604.0	604.3	604.5
142.5°	625.8	625.5	625.4	625.3	625.2	625.1	624.9	624.8	624.9	625.1	625.2
145°	646.4	646.4	646.4	646.3	646.0	645.8	645.5	645.3	645.5	645.8	646.0
147.5°	663.7	663.6	663.5	663.5	663.5	663.5	663.5	663.5	663.5	663.5	663.5
150°	679.8	679.5	679.4	679.5	679.8	680.0	680.3	680.5	680.3	680.0	679.8
152.5°	694.6	694.3	694.2	694.5	695.1	695.8	696.4	697.0	696.4	695.8	695.1
155°	707.6	707.3	707.2	707.6	708.4	709.1	709.9	710.7	709.9	709.1	708.4
157.5°	719.7	719.7	719.7	719.9	720.3	720.7	721.1	721.5	721.1	720.7	720.3
160°	729.6	729.5	729.4	729.8	730.5	731.3	732.0	732.8	732.0	731.3	730.5
162.5°	738.7	738.6	738.5	738.9	739.6	740.4	741.1	741.9	741.1	740.4	739.6
165°	746.7	746.6	746.5	746.9	747.6	748.4	749.1	749.9	749.1	748.4	747.6
167.5°	752.9	752.8	752.7	753.1	753.8	754.6	755.3	756.1	755.3	754.6	753.8
170°	757.5	757.4	757.3	757.7	758.6	759.5	760.3	761.2	760.3	759.5	758.6
172.5°	761.1	760.8	760.7	761.1	762.0	762.9	763.8	764.7	763.8	762.9	762.0
175°	763.7	763.6	763.5	763.9	764.6	765.4	766.1	766.9	766.1	765.4	764.6
177.5°	765.4	765.3	765.2	765.6	766.3	767.1	767.8	768.6	767.8	767.1	766.3
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

TEST NUMBER: P1026727

CATALOG NUMBER: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7
2.5°	1550.3	1547.6	1541.0	1537.0	1523.6	1507.6	1502.3	1488.9	1494.3	1484.9	1484.9
5°	1509.0	1496.9	1488.9	1476.9	1451.6	1434.2	1415.6	1406.2	1400.9	1394.2	1388.9
7.5°	1455.6	1446.2	1438.2	1415.6	1387.5	1363.5	1340.8	1331.5	1314.2	1302.2	1296.8
10°	1408.9	1395.5	1376.9	1350.2	1320.8	1290.1	1270.1	1250.1	1236.8	1230.1	1215.4
12.5°	1360.9	1344.9	1324.8	1286.1	1254.1	1235.4	1199.4	1180.7	1174.1	1168.7	1151.4
15°	1311.5	1294.2	1270.1	1234.1	1206.1	1162.1	1140.7	1126.0	1110.0	1108.7	1095.4
17.5°	1267.5	1246.1	1226.1	1182.1	1147.4	1108.7	1096.7	1080.7	1066.0	1050.0	1043.3
20°	1211.4	1191.4	1176.7	1128.7	1090.0	1066.0	1046.0	1032.7	1023.3	1007.3	1004.6
22.5°	1160.7	1139.4	1119.4	1083.4	1050.0	1019.3	995.3	980.6	976.6	969.9	957.9
25°	1111.4	1090.0	1066.0	1032.7	998.0	976.6	955.3	945.9	937.9	927.3	917.9
27.5°	1070.0	1050.0	1027.3	986.0	956.6	940.6	917.9	907.2	896.6	891.2	887.2
30°	1020.6	998.0	980.6	948.6	916.6	895.2	879.2	869.9	860.5	855.2	852.5
32.5°	972.6	951.3	939.3	904.6	879.2	853.9	841.9	835.2	829.9	824.5	819.2
35°	933.9	912.6	893.9	861.9	836.5	819.2	809.8	799.2	795.2	789.8	789.8
37.5°	885.9	869.9	851.2	820.5	797.8	784.5	776.5	763.1	761.8	759.1	755.1
40°	844.5	828.5	811.2	784.5	764.5	748.5	737.8	731.1	727.1	724.5	721.8
42.5°	800.5	783.2	775.2	744.5	727.1	711.1	705.8	699.1	697.8	692.4	685.8
45°	757.8	743.1	727.1	704.4	689.8	676.4	668.4	663.1	656.4	655.1	651.1
47.5°	720.5	703.1	688.4	667.1	651.1	640.4	633.7	627.1	621.7	617.7	613.7
50°	672.4	659.1	647.1	624.4	611.1	600.4	591.0	585.7	580.4	580.4	580.4
52.5°	625.7	613.7	603.0	587.0	571.0	561.7	551.0	547.0	544.3	540.3	544.3
55°	580.4	568.4	557.7	545.7	527.0	519.0	508.3	504.3	505.7	505.7	509.7
57.5°	532.3	523.0	516.3	501.7	484.3	476.3	469.6	465.6	465.6	471.0	472.3
60°	485.6	476.3	464.3	451.0	440.3	430.9	426.9	428.3	428.3	430.9	437.6
62.5°	433.6	428.3	421.6	402.9	396.3	389.6	384.2	388.2	386.9	393.6	402.9
65°	385.6	380.2	370.9	361.6	353.6	346.9	345.6	346.9	349.6	356.2	366.9
67.5°	332.2	332.2	324.2	316.2	309.5	302.9	304.2	305.5	308.2	316.2	332.2
70°	288.2	282.8	274.8	269.5	264.2	261.5	258.8	264.2	272.2	277.5	289.5
72.5°	240.2	236.1	229.5	224.1	222.8	220.1	218.8	221.5	229.5	238.8	252.2
75°	189.5	190.8	186.8	182.8	182.8	178.8	181.4	181.4	189.5	198.8	209.5
77.5°	146.8	145.4	144.1	141.4	140.1	140.1	140.1	142.8	150.8	156.1	166.8
80°	104.1	105.4	101.4	102.7	101.4	102.7	102.7	108.1	112.1	118.7	126.7
82.5°	69.4	69.4	66.7	68.0	68.0	68.0	69.4	72.0	77.4	82.7	88.1
85°	38.7	40.0	37.4	40.0	40.0	40.0	41.4	42.7	46.7	48.0	53.4
87.5°	14.7	17.3	17.3	14.7	16.0	17.3	18.7	17.3	20.0	22.7	24.0
90°	4.6	5.1	5.5	6.4	7.3	8.2	9.1	9.7	10.3	11.0	11.6
92.5°	6.3	5.7	6.1	6.8	7.6	8.3	9.1	9.7	10.3	11.0	11.6
95°	30.9	30.7	28.3	23.5	18.7	13.9	9.1	9.7	10.3	11.0	11.6
97.5°	63.8	64.2	58.2	46.2	34.2	22.2	10.2	10.5	10.7	11.0	11.3
100°	96.4	96.6	96.9	97.4	97.9	98.4	98.9	80.1	61.3	42.4	23.6
102.5°	131.6	131.9	132.0	132.3	132.5	132.8	133.0	133.3	133.5	133.8	134.1
105°	169.1	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4
107.5°	205.8	205.8	205.9	206.2	206.4	206.7	206.9	207.0	207.2	207.3	207.4
110°	243.3	243.3	243.4	243.7	244.0	244.2	244.5	244.1	243.7	243.4	243.0

TEST NUMBER: P1026727

CATALOG NUMBER: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	280.1	280.3	280.4	280.5	280.6	280.7	280.8	280.3	279.8	279.3	278.8
115°	316.4	316.7	316.8	316.9	317.0	317.1	317.2	316.7	316.2	315.7	315.2
117.5°	350.8	350.8	351.1	351.6	352.1	352.6	353.1	352.3	351.5	350.8	350.0
120°	384.4	384.3	384.5	384.9	385.2	385.6	386.0	385.8	385.5	385.3	385.0
122.5°	417.6	417.9	418.0	418.1	418.2	418.3	418.4	418.2	417.9	417.7	417.4
125°	449.9	450.3	450.3	450.3	450.3	450.3	450.3	449.8	449.3	448.8	448.3
127.5°	479.0	479.3	479.2	479.1	479.0	478.8	478.7	478.5	478.2	478.0	477.7
130°	506.3	506.6	506.7	506.8	506.9	507.0	507.1	506.7	506.3	506.0	505.6
132.5°	534.0	534.4	534.2	533.8	533.5	533.1	532.7	532.7	532.7	532.7	532.7
135°	559.6	560.0	559.9	559.6	559.4	559.1	558.9	558.6	558.4	558.1	557.8
137.5°	583.5	583.9	583.8	583.5	583.2	583.0	582.7	582.7	582.7	582.7	582.7
140°	604.8	604.9	604.8	604.7	604.6	604.4	604.3	604.6	604.8	605.1	605.4
142.5°	625.3	625.4	625.5	625.8	626.0	626.3	626.5	626.5	626.5	626.5	626.5
145°	646.3	646.4	646.4	646.4	646.4	646.4	646.4	646.5	646.7	646.8	646.9
147.5°	663.5	663.5	663.6	663.7	663.8	663.9	664.0	664.1	664.3	664.4	664.5
150°	679.5	679.4	679.5	679.8	680.0	680.3	680.5	680.8	681.0	681.3	681.6
152.5°	694.5	694.2	694.3	694.6	694.8	695.1	695.3	695.5	695.8	696.0	696.3
155°	707.6	707.2	707.3	707.6	707.9	708.1	708.4	708.8	709.2	709.5	709.9
157.5°	719.9	719.7	719.7	719.7	719.7	719.7	719.7	720.1	720.5	720.9	721.3
160°	729.8	729.4	729.5	729.6	729.7	729.9	730.0	730.5	731.0	731.5	732.0
162.5°	738.9	738.5	738.6	738.7	738.8	739.0	739.1	739.9	740.6	741.4	742.1
165°	746.9	746.5	746.6	746.7	746.8	746.9	747.0	747.8	748.5	749.3	750.0
167.5°	753.1	752.7	752.8	752.9	753.0	753.2	753.3	754.2	755.1	756.0	756.9
170°	757.7	757.3	757.4	757.5	757.6	757.7	757.8	758.8	759.8	760.9	761.9
172.5°	761.1	760.7	760.8	761.1	761.3	761.6	761.8	762.7	763.6	764.5	765.4
175°	763.9	763.5	763.6	763.7	763.8	764.0	764.1	765.1	766.1	767.1	768.1
177.5°	765.6	765.2	765.3	765.4	765.5	765.7	765.8	766.7	767.6	768.5	769.4
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

TEST NUMBER: P1026727

CATALOG NUMBER: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7
2.5°	1490.3	1480.9	1479.6	1482.3	1476.9	1484.9	1482.3	1484.9	1478.3	1484.9	1480.9
5°	1387.5	1384.9	1379.5	1372.9	1374.2	1375.5	1382.2	1375.5	1380.9	1382.2	1388.9
7.5°	1291.5	1286.1	1290.1	1287.5	1275.5	1272.8	1275.5	1279.5	1287.5	1292.8	1296.8
10°	1214.1	1211.4	1206.1	1202.1	1195.4	1191.4	1196.8	1191.4	1202.1	1211.4	1211.4
12.5°	1155.4	1144.7	1138.1	1136.7	1122.0	1124.7	1130.0	1134.1	1146.1	1151.4	1151.4
15°	1094.0	1086.0	1083.4	1078.0	1072.7	1078.0	1075.3	1079.3	1084.7	1090.0	1092.7
17.5°	1040.7	1039.3	1040.7	1027.3	1031.3	1024.6	1026.0	1032.7	1028.7	1032.7	1040.7
20°	992.6	995.3	991.3	986.0	986.0	978.0	987.3	984.6	986.0	994.0	1006.0
22.5°	956.6	955.3	951.3	947.3	941.9	943.3	944.6	941.9	952.6	959.3	960.6
25°	917.9	915.2	913.9	909.9	904.6	909.9	908.6	909.9	912.6	923.3	915.2
27.5°	881.9	876.6	879.2	875.2	873.9	875.2	875.2	876.6	879.2	880.6	881.9
30°	851.2	845.9	844.5	841.9	840.5	841.9	844.5	841.9	852.5	851.2	851.2
32.5°	817.9	813.8	811.2	811.2	809.8	808.5	809.8	811.2	819.2	813.8	819.2
35°	785.8	783.2	783.2	780.5	779.2	779.2	779.2	784.5	781.8	785.8	785.8
37.5°	755.1	755.1	753.8	751.1	749.8	751.1	749.8	752.5	751.1	752.5	753.8
40°	723.1	720.5	719.1	719.1	715.1	711.1	715.1	715.1	716.5	720.5	721.8
42.5°	684.4	685.8	685.8	680.4	680.4	680.4	681.8	683.1	683.1	685.8	685.8
45°	651.1	648.4	648.4	648.4	645.7	647.1	649.7	649.7	649.7	649.7	647.1
47.5°	613.7	613.7	615.1	615.1	619.1	617.7	617.7	616.4	613.7	613.7	615.1
50°	579.0	583.0	584.4	584.4	585.7	587.0	587.0	584.4	583.0	579.0	579.0
52.5°	545.7	548.3	551.0	555.0	557.7	556.4	556.4	553.7	548.3	547.0	545.7
55°	509.7	513.7	519.0	523.0	527.0	528.3	528.3	523.0	517.7	511.0	511.0
57.5°	476.3	480.3	489.6	493.6	499.0	499.0	496.3	492.3	484.3	479.0	475.0
60°	442.9	449.6	456.3	464.3	471.0	472.3	468.3	463.0	453.6	446.9	441.6
62.5°	406.9	413.6	426.9	434.9	440.3	440.3	440.3	433.6	421.6	412.3	404.3
65°	372.2	378.9	390.9	401.6	405.6	409.6	405.6	398.9	389.6	378.9	370.9
67.5°	336.2	344.2	356.2	364.2	369.6	373.6	370.9	365.6	353.6	338.9	333.5
70°	296.2	300.2	317.5	325.5	333.5	336.2	333.5	325.5	313.5	297.5	292.2
72.5°	258.8	262.8	278.8	285.5	292.2	294.9	290.9	285.5	274.8	260.2	253.5
75°	216.1	222.8	230.8	241.5	249.5	252.2	248.2	244.2	230.8	221.5	216.1
77.5°	170.8	177.4	188.1	197.5	205.5	204.1	198.8	200.1	185.5	174.8	170.8
80°	129.4	134.8	142.8	150.8	154.8	154.8	153.4	148.1	142.8	134.8	128.1
82.5°	89.4	96.1	102.7	108.1	108.1	109.4	106.7	105.4	100.1	93.4	92.1
85°	53.4	54.7	60.0	60.0	65.4	62.7	61.4	65.4	60.0	56.0	54.7
87.5°	24.0	22.7	24.0	24.0	22.7	25.3	25.3	24.0	25.3	24.0	24.0
90°	11.9	12.1	12.5	12.8	13.2	13.6	13.2	12.8	12.5	12.1	11.9
92.5°	11.9	12.0	12.1	12.2	12.4	12.5	12.4	12.2	12.1	12.0	11.9
95°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
97.5°	11.4	11.5	11.6	11.7	11.8	11.9	11.8	11.7	11.6	11.5	11.4
100°	14.2	13.9	13.4	12.9	12.4	11.9	12.4	12.9	13.4	13.9	14.2
102.5°	134.2	128.9	118.3	107.6	97.0	86.4	97.0	107.6	118.3	128.9	134.2
105°	169.4	169.3	169.2	169.1	169.0	168.9	169.0	169.1	169.2	169.3	169.4
107.5°	207.5	207.2	206.7	206.2	205.7	205.2	205.7	206.2	206.7	207.2	207.5
110°	242.8	242.9	243.0	243.1	243.2	243.3	243.2	243.1	243.0	242.9	242.8

TEST NUMBER: P1026727

CATALOG NUMBER: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	278.6	278.5	278.2	277.9	277.7	277.4	277.7	277.9	278.2	278.5	278.6
115°	315.0	314.6	313.8	313.1	312.3	311.5	312.3	313.1	313.8	314.6	315.0
117.5°	349.6	349.5	349.2	349.0	348.7	348.5	348.7	349.0	349.2	349.5	349.6
120°	384.9	384.6	383.9	383.3	382.6	382.0	382.6	383.3	383.9	384.6	384.9
122.5°	417.3	416.9	416.2	415.4	414.7	413.9	414.7	415.4	416.2	416.9	417.3
125°	448.0	447.8	447.4	447.1	446.7	446.3	446.7	447.1	447.4	447.8	448.0
127.5°	477.6	477.1	476.1	475.0	474.0	473.0	474.0	475.0	476.1	477.1	477.6
130°	505.4	505.1	504.5	503.8	503.2	502.6	503.2	503.8	504.5	505.1	505.4
132.5°	532.7	532.4	531.8	531.1	530.5	529.9	530.5	531.1	531.8	532.4	532.7
135°	557.7	557.3	556.6	555.8	555.1	554.3	555.1	555.8	556.6	557.3	557.7
137.5°	582.7	582.4	581.8	581.1	580.5	579.9	580.5	581.1	581.8	582.4	582.7
140°	605.5	605.1	604.4	603.6	602.9	602.1	602.9	603.6	604.4	605.1	605.5
142.5°	626.5	626.1	625.4	624.6	623.9	623.1	623.9	624.6	625.4	626.1	626.5
145°	647.0	646.6	645.9	645.1	644.4	643.6	644.4	645.1	645.9	646.6	647.0
147.5°	664.6	664.2	663.3	662.4	661.5	660.6	661.5	662.4	663.3	664.2	664.6
150°	681.7	681.2	680.2	679.1	678.1	677.1	678.1	679.1	680.2	681.2	681.7
152.5°	696.4	696.0	695.1	694.2	693.4	692.5	693.4	694.2	695.1	696.0	696.4
155°	710.1	709.6	708.6	707.5	706.5	705.5	706.5	707.5	708.6	709.6	710.1
157.5°	721.5	721.0	720.0	718.9	717.9	716.9	717.9	718.9	720.0	721.0	721.5
160°	732.3	731.8	730.8	729.7	728.7	727.7	728.7	729.7	730.8	731.8	732.3
162.5°	742.5	741.9	740.8	739.7	738.5	737.4	738.5	739.7	740.8	741.9	742.5
165°	750.4	749.9	748.9	747.9	746.9	745.9	746.9	747.9	748.9	749.9	750.4
167.5°	757.3	756.7	755.6	754.5	753.3	752.2	753.3	754.5	755.6	756.7	757.3
170°	762.4	761.8	760.7	759.6	758.4	757.3	758.4	759.6	760.7	761.8	762.4
172.5°	765.8	765.2	764.1	763.0	761.8	760.7	761.8	763.0	764.1	765.2	765.8
175°	768.6	768.0	766.9	765.8	764.6	763.5	764.6	765.8	766.9	768.0	768.6
177.5°	769.8	769.3	768.3	767.2	766.2	765.2	766.2	767.2	768.3	769.3	769.8
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

TEST NUMBER: P1026727

CATALOG NUMBER: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7
2.5°	1492.9	1484.9	1494.3	1482.3	1484.9	1499.6	1498.3	1511.6	1519.6	1518.3	1525.0
5°	1394.2	1394.2	1398.2	1396.9	1410.2	1422.2	1438.2	1451.6	1466.3	1474.3	1483.6
7.5°	1296.8	1310.2	1312.8	1319.5	1335.5	1355.5	1371.5	1391.5	1412.9	1427.6	1438.2
10°	1216.8	1227.4	1238.1	1243.5	1260.8	1287.5	1310.2	1342.2	1368.9	1384.9	1399.6
12.5°	1146.1	1158.1	1163.4	1187.4	1199.4	1216.8	1248.8	1283.5	1312.8	1330.2	1342.2
15°	1095.4	1102.0	1114.0	1128.7	1140.7	1162.1	1188.8	1227.4	1255.5	1270.1	1311.5
17.5°	1052.7	1060.7	1067.3	1074.0	1092.7	1115.4	1140.7	1174.1	1210.1	1235.4	1256.8
20°	1008.6	1012.6	1020.6	1031.3	1044.7	1066.0	1088.7	1123.4	1155.4	1175.4	1203.4
22.5°	956.6	968.6	976.6	984.6	999.3	1023.3	1044.7	1070.0	1110.0	1132.7	1162.1
25°	925.9	931.3	936.6	945.9	956.6	978.0	1002.0	1028.7	1060.7	1084.7	1110.0
27.5°	885.9	893.9	900.6	912.6	919.2	936.6	959.3	986.0	1024.6	1044.7	1066.0
30°	852.5	860.5	865.9	871.2	880.6	899.2	920.6	941.9	978.0	1003.3	1024.6
32.5°	819.2	827.2	833.9	837.9	847.2	859.2	876.6	903.2	933.9	951.3	979.3
35°	789.8	789.8	797.8	803.2	811.2	821.9	837.9	857.9	889.9	912.6	937.9
37.5°	756.5	757.8	764.5	768.5	776.5	787.2	803.2	821.9	848.5	865.9	891.2
40°	721.8	725.8	728.5	735.1	744.5	748.5	764.5	785.8	812.5	828.5	849.9
42.5°	687.1	689.8	696.4	701.8	709.8	716.5	727.1	747.1	767.2	791.2	808.5
45°	648.4	655.1	659.1	668.4	672.4	679.1	689.8	705.8	729.8	744.5	764.5
47.5°	615.1	617.7	620.4	632.4	640.4	644.4	655.1	664.4	689.8	703.1	721.8
50°	579.0	579.0	583.0	588.4	597.7	605.7	615.1	625.7	645.7	659.1	677.8
52.5°	545.7	541.7	544.3	547.0	556.4	564.4	573.7	588.4	607.1	615.1	631.1
55°	509.7	503.0	507.0	511.0	513.7	524.3	535.0	544.3	559.0	571.0	585.7
57.5°	471.0	469.6	467.0	468.3	475.0	481.6	489.6	501.7	519.0	528.3	536.3
60°	436.3	428.3	425.6	428.3	432.3	436.3	446.9	457.6	472.3	481.6	491.0
62.5°	400.3	392.2	386.9	382.9	386.9	396.3	402.9	410.9	422.9	433.6	441.6
65°	365.6	353.6	348.2	345.6	344.2	350.9	356.2	366.9	377.6	381.6	390.9
67.5°	326.9	316.2	309.5	305.5	305.5	305.5	310.9	321.5	332.2	333.5	342.9
70°	288.2	276.2	269.5	264.2	261.5	264.2	270.8	272.2	281.5	284.2	289.5
72.5°	246.8	236.1	228.1	221.5	222.8	225.5	225.5	228.1	233.5	240.2	240.2
75°	208.1	193.5	189.5	184.1	181.4	181.4	181.4	186.8	190.8	196.1	194.8
77.5°	164.1	156.1	148.1	145.4	141.4	140.1	142.8	142.8	145.4	149.4	150.8
80°	126.7	117.4	112.1	109.4	104.1	102.7	104.1	104.1	108.1	106.7	108.1
82.5°	88.1	81.4	77.4	73.4	70.7	72.0	70.7	70.7	72.0	70.7	70.7
85°	50.7	49.4	46.7	45.4	44.0	41.4	44.0	42.7	41.4	40.0	42.7
87.5°	24.0	22.7	22.7	20.0	20.0	18.7	20.0	20.0	18.7	18.7	18.7
90°	11.6	11.0	10.3	9.7	9.1	8.2	7.3	6.4	5.5	5.1	4.6
92.5°	11.6	11.0	10.3	9.7	9.1	8.3	7.6	6.8	6.1	5.7	6.3
95°	11.6	11.0	10.3	9.7	9.1	13.9	18.7	23.5	28.3	30.7	30.9
97.5°	11.3	11.0	10.7	10.5	10.2	22.2	34.2	46.2	58.2	64.2	63.8
100°	23.6	42.4	61.3	80.1	98.9	98.4	97.9	97.4	96.9	96.6	96.4
102.5°	134.1	133.8	133.5	133.3	133.0	132.8	132.5	132.3	132.0	131.9	131.6
105°	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.1
107.5°	207.4	207.3	207.2	207.0	206.9	206.7	206.4	206.2	205.9	205.8	205.8
110°	243.0	243.4	243.7	244.1	244.5	244.2	244.0	243.7	243.4	243.3	243.3

TEST NUMBER: P1026727

CATALOG NUMBER: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	278.8	279.3	279.8	280.3	280.8	280.7	280.6	280.5	280.4	280.3	280.1
115°	315.2	315.7	316.2	316.7	317.2	317.1	317.0	316.9	316.8	316.7	316.4
117.5°	350.0	350.8	351.5	352.3	353.1	352.6	352.1	351.6	351.1	350.8	350.8
120°	385.0	385.3	385.5	385.8	386.0	385.6	385.2	384.9	384.5	384.3	384.4
122.5°	417.4	417.7	417.9	418.2	418.4	418.3	418.2	418.1	418.0	417.9	417.6
125°	448.3	448.8	449.3	449.8	450.3	450.3	450.3	450.3	450.3	450.3	449.9
127.5°	477.7	478.0	478.2	478.5	478.7	478.8	479.0	479.1	479.2	479.3	479.0
130°	505.6	506.0	506.3	506.7	507.1	507.0	506.9	506.8	506.7	506.6	506.3
132.5°	532.7	532.7	532.7	532.7	532.7	533.1	533.5	533.8	534.2	534.4	534.0
135°	557.8	558.1	558.4	558.6	558.9	559.1	559.4	559.6	559.9	560.0	559.6
137.5°	582.7	582.7	582.7	582.7	582.7	583.0	583.2	583.5	583.8	583.9	583.5
140°	605.4	605.1	604.8	604.6	604.3	604.4	604.6	604.7	604.8	604.9	604.8
142.5°	626.5	626.5	626.5	626.5	626.5	626.3	626.0	625.8	625.5	625.4	625.3
145°	646.9	646.8	646.7	646.5	646.4	646.4	646.4	646.4	646.4	646.4	646.3
147.5°	664.5	664.4	664.3	664.1	664.0	663.9	663.8	663.7	663.6	663.5	663.5
150°	681.6	681.3	681.0	680.8	680.5	680.3	680.0	679.8	679.5	679.4	679.5
152.5°	696.3	696.0	695.8	695.5	695.3	695.1	694.8	694.6	694.3	694.2	694.5
155°	709.9	709.5	709.2	708.8	708.4	708.1	707.9	707.6	707.3	707.2	707.6
157.5°	721.3	720.9	720.5	720.1	719.7	719.7	719.7	719.7	719.7	719.7	719.9
160°	732.0	731.5	731.0	730.5	730.0	729.9	729.7	729.6	729.5	729.4	729.8
162.5°	742.1	741.4	740.6	739.9	739.1	739.0	738.8	738.7	738.6	738.5	738.9
165°	750.0	749.3	748.5	747.8	747.0	746.9	746.8	746.7	746.6	746.5	746.9
167.5°	756.9	756.0	755.1	754.2	753.3	753.2	753.0	752.9	752.8	752.7	753.1
170°	761.9	760.9	759.8	758.8	757.8	757.7	757.6	757.5	757.4	757.3	757.7
172.5°	765.4	764.5	763.6	762.7	761.8	761.6	761.3	761.1	760.8	760.7	761.1
175°	768.1	767.1	766.1	765.1	764.1	764.0	763.8	763.7	763.6	763.5	763.9
177.5°	769.4	768.5	767.6	766.7	765.8	765.7	765.5	765.4	765.3	765.2	765.6
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

TEST NUMBER: P1026727

CATALOG NUMBER: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1571.7	1571.7	1571.7	1571.7
2.5°	1534.3	1547.6	1557.0	1574.3
5°	1499.6	1523.6	1546.3	1570.3
7.5°	1464.9	1492.9	1529.0	1559.7
10°	1426.2	1462.3	1505.0	1546.3
12.5°	1387.5	1430.2	1476.9	1531.6
15°	1340.8	1395.5	1450.3	1509.0
17.5°	1299.5	1355.5	1414.2	1487.6
20°	1252.8	1314.2	1378.2	1452.9
22.5°	1211.4	1279.5	1346.2	1424.9
25°	1164.7	1231.4	1304.8	1388.9
27.5°	1126.0	1187.4	1259.5	1350.2
30°	1079.3	1146.1	1218.1	1308.8
32.5°	1035.3	1099.4	1175.4	1264.8
35°	990.0	1055.3	1123.4	1208.8
37.5°	947.3	1003.3	1071.3	1152.7
40°	899.2	960.6	1022.0	1086.0
42.5°	855.2	911.2	968.6	1019.3
45°	805.8	853.9	908.6	949.9
47.5°	760.5	803.2	845.9	877.9
50°	715.1	748.5	780.5	808.5
52.5°	661.8	699.1	716.5	733.8
55°	613.7	635.1	651.1	668.4
57.5°	567.0	576.4	584.4	600.4
60°	505.7	516.3	525.7	537.7
62.5°	452.3	457.6	460.3	472.3
65°	401.6	400.3	406.9	413.6
67.5°	346.9	345.6	352.2	354.9
70°	293.5	292.2	293.5	300.2
72.5°	242.8	242.8	244.2	246.8
75°	196.1	196.1	197.5	200.1
77.5°	148.1	150.8	149.4	154.8
80°	108.1	105.4	108.1	110.7
82.5°	70.7	73.4	73.4	70.7
85°	40.0	40.0	40.0	40.0
87.5°	17.3	17.3	18.7	20.0
90°	3.6	2.6	1.6	0.6
92.5°	7.4	8.5	9.7	10.8
95°	31.3	31.6	32.0	32.4
97.5°	63.1	62.3	61.6	60.8
100°	96.0	95.7	95.3	94.9
102.5°	131.1	130.6	130.1	129.6
105°	168.6	168.1	167.6	167.1
107.5°	205.8	205.8	205.8	205.8
110°	243.3	243.3	243.3	243.3

TEST NUMBER: P1026727

CATALOG NUMBER: S125DIP-B1090D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	279.7	279.4	279.0	278.6
115°	315.7	315.1	314.4	313.8
117.5°	350.8	350.8	350.8	350.8
120°	384.5	384.6	384.8	384.9
122.5°	416.9	416.3	415.6	415.0
125°	449.0	448.1	447.2	446.3
127.5°	478.3	477.7	477.0	476.4
130°	505.6	505.0	504.3	503.7
132.5°	533.3	532.5	531.8	531.0
135°	558.9	558.1	557.4	556.6
137.5°	582.8	582.0	581.3	580.5
140°	604.5	604.3	604.0	603.8
142.5°	625.2	625.1	624.9	624.8
145°	646.0	645.8	645.5	645.3
147.5°	663.5	663.5	663.5	663.5
150°	679.8	680.0	680.3	680.5
152.5°	695.1	695.8	696.4	697.0
155°	708.4	709.1	709.9	710.7
157.5°	720.3	720.7	721.1	721.5
160°	730.5	731.3	732.0	732.8
162.5°	739.6	740.4	741.1	741.9
165°	747.6	748.4	749.1	749.9
167.5°	753.8	754.6	755.3	756.1
170°	758.6	759.5	760.3	761.2
172.5°	762.0	762.9	763.8	764.7
175°	764.6	765.4	766.1	766.9
177.5°	766.3	767.1	767.8	768.6
180°	766.9	766.9	766.9	766.9

(END OF REPORT)