

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: P1034362

Luminaire Tested: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034362
REPORT IS A COMBINATION OF REPORTS P1002930 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K
Description: Define 5 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

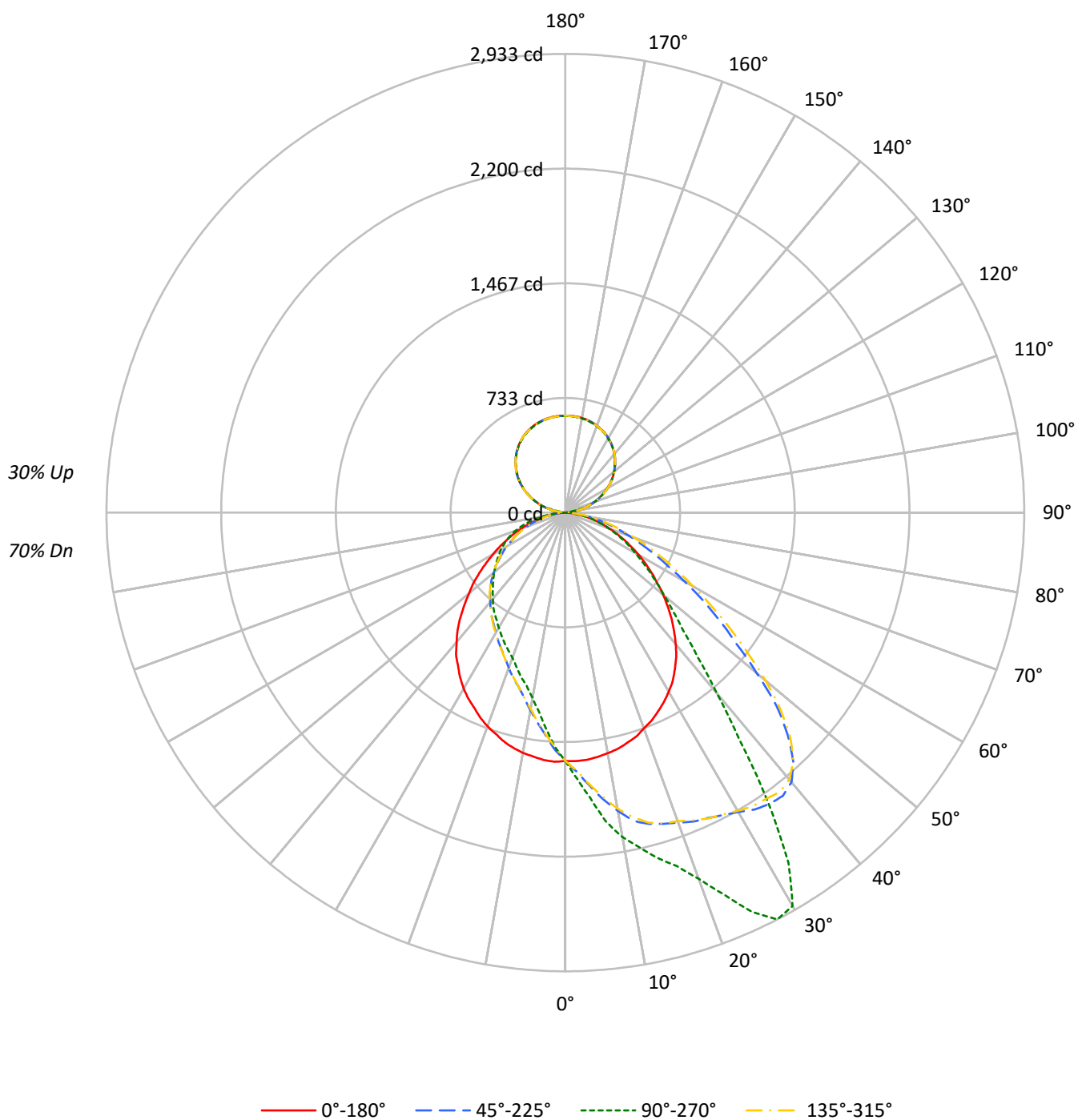
Lumens per Lamp: N/A
Luminaire Lumens: 6384.0 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 60
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°	10172	10172	10172	10172
5°	10180	11539	10188	8754
10°	10118	13153	10100	7514
15°	10044	14261	9981	6790
20°	9917	15627	9826	6199
25°	9804	17905	9625	5848
30°	9642	18890	9475	5531
35°	9386	15143	9189	5277
40°	8987	10466	8855	5007
45°	8483	7792	8387	4783
50°	7905	6414	7774	4604
55°	7282	5471	7224	4449
60°	6671	4683	6555	4329
65°	6012	4045	5915	4152
70°	5315	3358	5245	3846
75°	4578	2597	4517	3339
80°	3616	1757	3484	2454
85°	2310	879	2236	1250

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 15537 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.8	2.4
10°-20°	455.1	7.1
20°-30°	739.3	11.6
30°-40°	903.5	14.2
40°-50°	819.6	12.8
50°-60°	652.8	10.2
60°-70°	454.6	7.1
70°-80°	242.2	3.8
80°-90°	61.0	1.0
90°-100°	21.0	0.3
100°-110°	139.8	2.2
110°-120°	251.8	3.9
120°-130°	323.2	5.1
130°-140°	347.6	5.4
140°-150°	326.2	5.1
150°-160°	263.9	4.1
160°-170°	170.7	2.7
170°-180°	58.9	0.9
0°-30°	1347.2	21.1
0°-40°	2250.7	35.3
0°-60°	3723.1	58.3
0°-90°	4480.9	70.2
90°-120°	412.6	6.5
90°-150°	1409.7	22.1
90°-180°	1903.0	29.8
0°-180°	6384.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1588	1588	1588	1588	1588	
5°	1586	1832	1588	1390	1586	151
15°	1524	2287	1515	1089	1524	430
25°	1403	2814	1377	919	1403	646
35°	1221	2259	1195	787	1221	762
45°	960	1065	949	654	960	739
55°	675	656	670	534	675	604
65°	418	403	411	414	418	415
75°	202	198	200	255	202	215
85°	40	44	39	63	40	48
90°	0	11	0	11	0	4
95°	26	10	26	10	26	32
105°	135	136	135	136	135	143
115°	254	252	254	252	254	251
125°	360	360	360	360	360	322
135°	450	448	450	448	450	347
145°	521	520	521	520	521	326
155°	574	570	574	570	574	265
165°	606	602	606	602	606	171
175°	620	617	620	617	620	59
180°	620	620	620	620	620	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6
2.5°	1590.3	1599.7	1610.5	1618.6	1632.1	1636.1	1642.9	1646.9	1651.0	1655.0	1657.7
5°	1586.3	1609.2	1629.4	1644.2	1669.8	1679.3	1691.4	1706.2	1723.7	1738.6	1748.0
7.5°	1575.5	1611.9	1638.8	1668.5	1703.5	1726.4	1738.6	1769.5	1797.9	1819.4	1847.7
10°	1562.0	1605.1	1646.9	1691.4	1741.2	1766.9	1791.1	1834.2	1873.3	1908.4	1936.7
12.5°	1547.2	1599.7	1649.6	1707.6	1774.9	1805.9	1822.1	1896.2	1944.8	1963.6	2018.9
15°	1524.3	1586.3	1657.7	1729.1	1785.7	1822.1	1866.6	1925.9	1974.4	2016.2	2060.7
17.5°	1502.7	1570.1	1642.9	1722.4	1804.6	1851.8	1885.5	1938.0	1990.6	2044.5	2086.3
20°	1467.7	1555.3	1629.4	1714.3	1811.3	1845.0	1880.1	1942.1	1998.7	2056.6	2109.2
22.5°	1439.4	1522.9	1624.0	1704.9	1787.1	1820.8	1863.9	1928.6	1996.0	2062.0	2138.8
25°	1403.0	1496.0	1583.6	1669.8	1754.7	1791.1	1830.2	1913.8	1983.8	2068.7	2153.6
27.5°	1363.9	1459.6	1547.2	1625.3	1704.9	1754.7	1796.5	1884.1	1977.1	2070.1	2180.6
30°	1322.1	1412.4	1496.0	1572.8	1660.4	1711.6	1753.4	1855.8	1959.6	2078.2	2210.3
32.5°	1277.6	1362.5	1434.0	1512.1	1605.1	1652.3	1708.9	1820.8	1943.4	2084.9	2250.7
35°	1221.0	1301.9	1365.2	1444.8	1537.7	1598.4	1657.7	1783.0	1925.9	2083.6	2273.6
37.5°	1164.4	1227.8	1288.4	1373.3	1481.1	1536.4	1598.4	1735.9	1898.9	2079.5	2283.0
40°	1097.0	1159.0	1211.6	1297.8	1411.1	1474.4	1539.1	1683.3	1867.9	2064.7	2249.3
42.5°	1029.7	1082.2	1140.2	1230.5	1339.6	1407.0	1475.7	1636.1	1827.5	2021.6	2156.3
45°	959.6	1000.0	1063.3	1145.6	1261.5	1326.2	1404.3	1578.2	1770.9	1943.4	2010.8
47.5°	886.8	927.2	986.5	1066.0	1180.6	1257.4	1331.5	1505.4	1699.5	1832.9	1832.9
50°	816.7	849.1	907.0	986.5	1102.4	1172.5	1248.0	1432.6	1589.0	1687.3	1599.7
52.5°	741.2	777.6	826.1	909.7	1024.3	1087.6	1169.8	1327.5	1475.7	1516.2	1381.4
55°	675.2	704.9	750.7	830.2	936.7	1002.7	1072.8	1223.7	1349.1	1346.4	1202.2
57.5°	606.5	630.7	679.2	752.0	850.4	909.7	979.8	1110.5	1212.9	1176.6	1040.4
60°	543.1	560.6	607.8	667.1	761.5	816.7	884.1	990.6	1068.7	1017.5	880.1
62.5°	477.1	497.3	535.0	593.0	676.6	721.0	770.9	878.7	928.6	882.8	742.6
65°	417.8	434.0	467.7	516.2	591.6	632.1	675.2	764.2	811.3	745.3	629.4
67.5°	358.5	377.4	401.6	444.7	504.0	541.8	579.5	656.3	677.9	618.6	521.6
70°	303.2	319.4	342.3	373.3	423.2	456.9	485.2	548.5	563.3	508.1	431.3
72.5°	249.3	260.1	279.0	304.6	350.4	369.3	398.9	442.1	460.9	411.1	355.8
75°	202.2	210.2	222.4	241.2	272.2	292.5	316.7	357.1	355.8	320.8	281.7
77.5°	156.3	157.7	171.2	188.7	207.5	225.1	237.2	265.5	268.2	246.6	214.3
80°	111.9	115.9	121.3	134.8	150.9	157.7	172.5	190.0	192.7	176.6	155.0
82.5°	71.4	74.1	78.2	86.3	97.0	105.1	113.2	119.9	126.7	117.3	99.7
85°	40.4	41.8	45.8	48.5	53.9	58.0	64.7	71.4	70.1	63.3	58.0
87.5°	20.2	20.2	20.2	22.9	25.6	25.6	28.3	29.6	31.0	28.3	25.6
90°	0.5	1.3	2.1	2.9	3.7	4.1	4.5	5.2	5.9	6.6	7.3
92.5°	8.7	7.8	6.9	6.0	5.1	4.6	4.9	5.5	6.1	6.7	7.3
95°	26.2	25.9	25.6	25.3	25.0	24.8	22.9	19.0	15.1	11.2	7.3
97.5°	49.1	49.7	50.3	51.0	51.6	51.9	47.1	37.4	27.7	18.0	8.3
100°	76.7	77.0	77.3	77.6	77.9	78.1	78.3	78.7	79.1	79.5	79.9
102.5°	104.7	105.1	105.5	105.9	106.3	106.5	106.6	106.8	107.1	107.3	107.5
105°	135.0	135.4	135.8	136.3	136.7	136.9	136.9	136.9	136.9	136.9	136.9
107.5°	166.3	166.3	166.3	166.3	166.3	166.3	166.4	166.6	166.8	167.0	167.2
110°	196.6	196.6	196.6	196.6	196.6	196.6	196.7	196.9	197.1	197.3	197.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	225.0	225.3	225.6	225.9	226.2	226.4	226.5	226.6	226.7	226.8	226.9
115°	253.5	254.0	254.5	255.0	255.5	255.8	255.9	256.0	256.1	256.2	256.3
117.5°	283.4	283.4	283.4	283.4	283.4	283.4	283.6	284.0	284.4	284.8	285.2
120°	310.9	310.8	310.7	310.6	310.5	310.5	310.6	310.9	311.2	311.5	311.8
122.5°	335.3	335.8	336.3	336.8	337.3	337.6	337.6	337.7	337.8	337.9	338.0
125°	360.5	361.2	361.9	362.6	363.3	363.7	363.7	363.7	363.7	363.7	363.7
127.5°	384.9	385.4	385.9	386.4	386.9	387.2	387.1	387.0	386.9	386.8	386.7
130°	406.9	407.4	407.9	408.4	408.9	409.2	409.3	409.4	409.5	409.6	409.7
132.5°	428.9	429.5	430.1	430.8	431.4	431.7	431.5	431.2	430.9	430.6	430.3
135°	449.6	450.2	450.8	451.5	452.1	452.4	452.3	452.1	451.8	451.6	451.4
137.5°	468.9	469.5	470.1	470.8	471.4	471.7	471.6	471.4	471.1	470.9	470.7
140°	487.7	487.9	488.1	488.3	488.5	488.6	488.6	488.5	488.4	488.3	488.2
142.5°	504.7	504.8	504.9	505.0	505.1	505.2	505.3	505.5	505.7	505.9	506.1
145°	521.3	521.5	521.7	521.9	522.1	522.2	522.2	522.2	522.2	522.2	522.2
147.5°	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.1	536.2	536.3	536.4
150°	549.7	549.5	549.3	549.1	548.9	548.8	548.9	549.1	549.3	549.5	549.7
152.5°	563.0	562.5	562.0	561.5	561.0	560.8	560.9	561.1	561.3	561.5	561.7
155°	574.1	573.5	572.9	572.2	571.6	571.3	571.4	571.6	571.8	572.0	572.2
157.5°	582.8	582.5	582.2	581.9	581.6	581.4	581.4	581.4	581.4	581.4	581.4
160°	592.0	591.4	590.8	590.1	589.5	589.2	589.3	589.4	589.5	589.6	589.7
162.5°	599.3	598.7	598.1	597.5	596.9	596.6	596.6	596.7	596.8	596.9	597.0
165°	605.8	605.2	604.6	603.9	603.3	603.0	603.1	603.2	603.3	603.4	603.5
167.5°	610.8	610.2	609.6	609.0	608.4	608.1	608.1	608.2	608.3	608.4	608.5
170°	614.9	614.2	613.5	612.8	612.1	611.7	611.8	611.9	612.0	612.1	612.2
172.5°	617.7	617.0	616.3	615.6	614.9	614.5	614.6	614.8	615.0	615.2	615.4
175°	619.5	618.9	618.3	617.7	617.1	616.8	616.8	616.9	617.0	617.1	617.2
177.5°	620.9	620.3	619.7	619.1	618.5	618.2	618.2	618.3	618.4	618.5	618.6
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6
2.5°	1660.4	1669.8	1677.9	1684.6	1690.0	1698.1	1692.7	1694.1	1696.8	1702.2	1702.2
5°	1768.2	1783.0	1791.1	1818.1	1824.8	1823.5	1819.4	1841.0	1839.6	1831.5	1830.2
7.5°	1873.3	1898.9	1921.8	1943.4	1950.1	1967.7	1971.7	1981.1	1978.4	1991.9	1985.2
10°	1969.0	2009.4	2031.0	2063.4	2071.4	2079.5	2090.3	2095.7	2107.8	2106.5	2106.5
12.5°	2043.1	2091.7	2120.0	2128.0	2159.0	2168.5	2177.9	2195.4	2191.4	2192.7	2200.8
15°	2101.1	2148.3	2172.5	2210.3	2231.8	2242.6	2258.8	2277.6	2274.9	2287.1	2284.4
17.5°	2144.2	2188.7	2233.2	2289.8	2291.1	2319.4	2357.2	2365.2	2382.8	2370.6	2370.6
20°	2179.3	2238.6	2301.9	2374.7	2382.8	2400.3	2446.1	2477.1	2497.3	2490.6	2494.6
22.5°	2217.0	2301.9	2376.0	2448.8	2487.9	2518.9	2563.4	2611.9	2629.4	2640.2	2637.5
25°	2265.5	2354.5	2463.6	2564.7	2605.1	2664.4	2723.7	2770.9	2784.4	2814.0	2787.1
27.5°	2315.4	2440.7	2576.8	2695.4	2746.6	2795.2	2866.6	2901.6	2919.2	2932.6	2923.2
30°	2357.2	2529.7	2677.9	2787.1	2823.5	2851.8	2892.2	2900.3	2893.5	2904.3	2917.8
32.5°	2421.8	2590.3	2715.6	2768.2	2764.2	2762.8	2731.8	2688.7	2679.3	2653.7	2688.7
35°	2456.9	2591.7	2640.2	2570.1	2541.8	2490.6	2392.2	2327.5	2270.9	2258.8	2261.5
37.5°	2436.7	2489.2	2431.3	2246.6	2200.8	2122.7	1991.9	1900.3	1858.5	1826.2	1867.9
40°	2327.5	2269.6	2110.5	1885.5	1819.4	1745.3	1622.6	1572.8	1513.5	1501.4	1556.6
42.5°	2146.9	1970.4	1745.3	1571.4	1502.7	1460.9	1358.5	1311.3	1269.5	1250.7	1281.7
45°	1901.6	1687.3	1460.9	1318.1	1260.1	1210.2	1149.6	1099.7	1072.8	1064.7	1090.3
47.5°	1648.3	1421.8	1241.2	1134.8	1074.1	1036.4	979.8	951.5	929.9	932.6	936.7
50°	1405.7	1199.5	1060.7	954.2	924.5	894.9	857.1	832.9	822.1	826.1	823.5
52.5°	1196.8	1029.7	912.4	830.2	816.7	788.4	757.4	737.2	733.2	734.5	738.5
55°	1013.5	882.8	789.8	730.5	715.6	695.4	676.6	663.1	652.3	656.3	655.0
57.5°	874.7	760.1	688.7	640.2	629.4	617.3	599.7	593.0	589.0	580.9	587.6
60°	752.0	659.0	597.0	567.4	558.0	549.9	531.0	522.9	520.2	516.2	527.0
62.5°	636.1	570.1	522.9	496.0	486.5	478.4	469.0	462.3	463.6	458.2	463.6
65°	544.5	490.6	456.9	432.6	420.5	415.1	413.7	403.0	401.6	403.0	404.3
67.5°	459.6	413.7	388.1	373.3	363.9	358.5	354.4	347.7	353.1	349.1	351.8
70°	382.8	351.8	324.8	310.0	305.9	307.3	300.5	297.8	299.2	296.5	299.2
72.5°	308.6	283.0	272.2	261.5	256.1	254.7	250.7	246.6	250.7	249.3	249.3
75°	246.6	227.8	215.6	208.9	208.9	206.2	199.5	199.5	199.5	198.1	199.5
77.5°	190.0	173.9	168.5	161.7	161.7	157.7	156.3	156.3	153.6	157.7	155.0
80°	141.5	129.4	121.3	117.3	117.3	115.9	113.2	111.9	113.2	111.9	111.9
82.5°	91.6	86.3	82.2	78.2	76.8	78.2	76.8	74.1	75.5	74.1	76.8
85°	52.6	47.2	47.2	44.5	45.8	43.1	44.5	41.8	40.4	44.5	41.8
87.5°	22.9	21.6	21.6	18.9	18.9	18.9	17.5	18.9	17.5	16.2	17.5
90°	7.8	8.3	8.8	9.3	9.6	9.8	10.1	10.4	10.7	11.0	10.7
92.5°	7.8	8.3	8.8	9.3	9.6	9.7	9.8	9.9	10.0	10.1	10.0
95°	7.8	8.3	8.8	9.3	9.6	9.6	9.6	9.6	9.6	9.6	9.6
97.5°	8.5	8.7	8.9	9.1	9.2	9.2	9.3	9.4	9.5	9.6	9.5
100°	64.7	49.5	34.3	19.1	11.5	11.3	10.9	10.4	10.0	9.6	10.0
102.5°	107.7	107.9	108.1	108.3	108.4	104.1	95.5	87.0	78.4	69.8	78.4
105°	136.9	136.9	136.9	136.9	136.9	136.8	136.7	136.6	136.5	136.4	136.5
107.5°	167.3	167.4	167.5	167.6	167.6	167.4	167.0	166.6	166.2	165.8	166.2
110°	197.2	196.9	196.6	196.3	196.1	196.2	196.3	196.4	196.5	196.6	196.5

TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	226.5	226.1	225.6	225.2	225.0	224.9	224.7	224.5	224.3	224.1	224.3
115°	255.9	255.5	255.0	254.6	254.4	254.1	253.5	252.9	252.3	251.7	252.3
117.5°	284.6	284.0	283.3	282.7	282.4	282.3	282.1	281.9	281.7	281.5	281.7
120°	311.6	311.4	311.2	311.0	310.9	310.6	310.1	309.6	309.1	308.6	309.1
122.5°	337.8	337.6	337.4	337.2	337.1	336.8	336.2	335.5	334.9	334.3	334.9
125°	363.3	362.9	362.5	362.1	361.9	361.7	361.4	361.1	360.8	360.5	360.8
127.5°	386.5	386.3	386.1	385.9	385.8	385.4	384.6	383.7	382.9	382.1	382.9
130°	409.4	409.1	408.8	408.5	408.3	408.0	407.5	407.0	406.5	406.0	406.5
132.5°	430.3	430.3	430.3	430.3	430.3	430.0	429.5	429.0	428.5	428.0	428.5
135°	451.2	451.0	450.8	450.6	450.5	450.2	449.6	449.0	448.4	447.8	448.4
137.5°	470.7	470.7	470.7	470.7	470.7	470.4	469.9	469.4	468.9	468.4	468.9
140°	488.4	488.6	488.8	489.0	489.1	488.8	488.2	487.6	487.0	486.4	487.0
142.5°	506.1	506.1	506.1	506.1	506.1	505.8	505.2	504.5	503.9	503.3	503.9
145°	522.3	522.4	522.5	522.6	522.6	522.3	521.7	521.1	520.5	519.9	520.5
147.5°	536.5	536.6	536.7	536.8	536.9	536.5	535.8	535.1	534.4	533.7	534.4
150°	549.9	550.1	550.3	550.5	550.6	550.2	549.4	548.6	547.8	547.0	547.8
152.5°	561.9	562.1	562.3	562.5	562.6	562.2	561.5	560.8	560.1	559.4	560.1
155°	572.5	572.8	573.1	573.4	573.6	573.2	572.4	571.5	570.7	569.9	570.7
157.5°	581.7	582.0	582.3	582.6	582.8	582.4	581.6	580.7	579.9	579.1	579.9
160°	590.1	590.5	590.9	591.3	591.5	591.1	590.3	589.4	588.6	587.8	588.6
162.5°	597.6	598.2	598.9	599.5	599.8	599.3	598.4	597.5	596.6	595.7	596.6
165°	604.1	604.7	605.3	605.9	606.2	605.8	605.0	604.1	603.3	602.5	603.3
167.5°	609.2	609.9	610.6	611.3	611.7	611.2	610.3	609.4	608.5	607.6	608.5
170°	613.0	613.8	614.7	615.5	615.9	615.4	614.5	613.6	612.6	611.7	612.6
172.5°	616.1	616.8	617.5	618.2	618.6	618.1	617.2	616.3	615.4	614.5	615.4
175°	618.0	618.8	619.7	620.5	620.9	620.4	619.5	618.6	617.7	616.8	617.7
177.5°	619.3	620.0	620.7	621.4	621.8	621.4	620.6	619.8	619.0	618.2	619.0
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6
2.5°	1699.5	1690.0	1692.7	1690.0	1683.3	1679.3	1668.5	1655.0	1649.6	1642.9	1638.8
5°	1835.6	1828.8	1827.5	1816.7	1814.0	1797.9	1770.9	1757.4	1741.2	1725.1	1708.9
7.5°	1983.8	1975.7	1948.8	1944.8	1947.4	1927.2	1892.2	1865.2	1831.5	1808.6	1777.6
10°	2106.5	2090.3	2067.4	2068.7	2059.3	2032.4	1997.3	1969.0	1920.5	1890.8	1846.4
12.5°	2180.6	2167.1	2164.4	2151.0	2142.9	2107.8	2066.0	2029.7	1993.3	1952.8	1919.1
15°	2270.9	2253.4	2241.2	2222.4	2217.0	2180.6	2134.8	2093.0	2051.2	2013.5	1942.1
17.5°	2370.6	2351.8	2305.9	2301.9	2269.6	2234.5	2190.0	2128.0	2083.6	2029.7	1977.1
20°	2483.8	2456.9	2397.6	2382.8	2357.2	2299.2	2238.6	2169.8	2098.4	2043.1	1981.1
22.5°	2610.5	2563.4	2520.2	2473.1	2454.2	2382.8	2299.2	2215.6	2129.4	2053.9	1979.8
25°	2774.9	2712.9	2652.3	2605.1	2572.8	2479.8	2367.9	2257.4	2157.7	2059.3	1962.3
27.5°	2904.3	2850.4	2784.4	2722.4	2680.6	2570.1	2442.1	2299.2	2175.2	2055.3	1951.5
30°	2913.8	2897.6	2857.2	2823.5	2777.6	2659.0	2517.5	2355.8	2202.2	2056.6	1929.9
32.5°	2737.2	2769.6	2787.1	2792.5	2783.0	2714.3	2584.9	2407.0	2226.4	2044.5	1911.1
35°	2357.2	2443.4	2549.9	2590.3	2629.4	2665.8	2598.4	2443.4	2234.5	2041.8	1881.4
37.5°	1940.7	2018.9	2195.4	2276.3	2322.1	2466.3	2521.6	2438.0	2250.7	2044.5	1853.1
40°	1566.0	1690.0	1816.7	1925.9	1997.3	2159.0	2330.2	2349.1	2227.8	2018.9	1816.7
42.5°	1318.1	1390.8	1486.5	1587.6	1651.0	1842.3	2074.1	2210.3	2156.3	1977.1	1772.2
45°	1122.6	1176.6	1266.9	1300.5	1381.4	1564.7	1810.0	2006.7	2033.7	1911.1	1721.0
47.5°	963.6	1009.4	1067.4	1109.2	1173.9	1311.3	1518.9	1735.9	1865.2	1820.8	1649.6
50°	849.1	886.8	935.3	959.6	1001.4	1125.3	1281.7	1497.3	1671.2	1686.0	1556.6
52.5°	753.4	774.9	812.7	839.6	873.3	948.8	1090.3	1268.2	1463.6	1544.5	1442.1
55°	669.8	687.3	721.0	738.5	756.1	820.8	931.3	1093.0	1276.3	1382.8	1324.8
57.5°	594.3	609.2	637.5	653.6	663.1	725.1	810.0	936.7	1101.1	1230.5	1198.1
60°	532.3	545.8	562.0	574.1	584.9	636.1	695.4	797.8	944.7	1070.1	1062.0
62.5°	466.3	478.4	496.0	508.1	517.5	549.9	599.7	677.9	803.2	919.1	942.1
65°	408.4	417.8	429.9	435.3	447.4	471.7	512.1	582.2	684.6	788.4	804.6
67.5°	355.8	358.5	366.6	378.7	381.4	403.0	439.4	491.9	571.4	656.3	681.9
70°	299.2	303.2	310.0	319.4	324.8	338.3	369.3	404.3	473.0	547.2	566.0
72.5°	249.3	254.7	257.4	262.8	265.5	287.1	300.5	335.6	382.8	444.7	465.0
75°	202.2	207.5	208.9	211.6	214.3	223.7	242.6	264.2	303.2	343.7	370.6
77.5°	160.4	159.0	161.7	165.8	164.4	172.5	184.6	203.5	229.1	262.8	280.3
80°	113.2	113.2	117.3	121.3	119.9	128.0	132.1	145.6	167.1	188.7	195.4
82.5°	75.5	75.5	79.5	79.5	82.2	83.6	88.9	95.7	113.2	124.0	128.0
85°	43.1	43.1	44.5	44.5	44.5	47.2	51.2	53.9	59.3	66.0	68.7
87.5°	17.5	18.9	18.9	18.9	18.9	21.6	21.6	24.3	25.6	28.3	28.3
90°	10.4	10.1	9.8	9.6	9.3	8.8	8.3	7.8	7.3	6.6	5.9
92.5°	9.9	9.8	9.7	9.6	9.3	8.8	8.3	7.8	7.3	6.7	6.1
95°	9.6	9.6	9.6	9.6	9.3	8.8	8.3	7.8	7.3	11.2	15.1
97.5°	9.4	9.3	9.2	9.2	9.1	8.9	8.7	8.5	8.3	18.0	27.7
100°	10.4	10.9	11.3	11.5	19.1	34.3	49.5	64.7	79.9	79.5	79.1
102.5°	87.0	95.5	104.1	108.4	108.3	108.1	107.9	107.7	107.5	107.3	107.1
105°	136.6	136.7	136.8	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
107.5°	166.6	167.0	167.4	167.6	167.6	167.5	167.4	167.3	167.2	167.0	166.8
110°	196.4	196.3	196.2	196.1	196.3	196.6	196.9	197.2	197.5	197.3	197.1

TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	224.5	224.7	224.9	225.0	225.2	225.6	226.1	226.5	226.9	226.8	226.7
115°	252.9	253.5	254.1	254.4	254.6	255.0	255.5	255.9	256.3	256.2	256.1
117.5°	281.9	282.1	282.3	282.4	282.7	283.3	284.0	284.6	285.2	284.8	284.4
120°	309.6	310.1	310.6	310.9	311.0	311.2	311.4	311.6	311.8	311.5	311.2
122.5°	335.5	336.2	336.8	337.1	337.2	337.4	337.6	337.8	338.0	337.9	337.8
125°	361.1	361.4	361.7	361.9	362.1	362.5	362.9	363.3	363.7	363.7	363.7
127.5°	383.7	384.6	385.4	385.8	385.9	386.1	386.3	386.5	386.7	386.8	386.9
130°	407.0	407.5	408.0	408.3	408.5	408.8	409.1	409.4	409.7	409.6	409.5
132.5°	429.0	429.5	430.0	430.3	430.3	430.3	430.3	430.3	430.3	430.6	430.9
135°	449.0	449.6	450.2	450.5	450.6	450.8	451.0	451.2	451.4	451.6	451.8
137.5°	469.4	469.9	470.4	470.7	470.7	470.7	470.7	470.7	470.7	470.9	471.1
140°	487.6	488.2	488.8	489.1	489.0	488.8	488.6	488.4	488.2	488.3	488.4
142.5°	504.5	505.2	505.8	506.1	506.1	506.1	506.1	506.1	506.1	505.9	505.7
145°	521.1	521.7	522.3	522.6	522.6	522.5	522.4	522.3	522.2	522.2	522.2
147.5°	535.1	535.8	536.5	536.9	536.8	536.7	536.6	536.5	536.4	536.3	536.2
150°	548.6	549.4	550.2	550.6	550.5	550.3	550.1	549.9	549.7	549.5	549.3
152.5°	560.8	561.5	562.2	562.6	562.5	562.3	562.1	561.9	561.7	561.5	561.3
155°	571.5	572.4	573.2	573.6	573.4	573.1	572.8	572.5	572.2	572.0	571.8
157.5°	580.7	581.6	582.4	582.8	582.6	582.3	582.0	581.7	581.4	581.4	581.4
160°	589.4	590.3	591.1	591.5	591.3	590.9	590.5	590.1	589.7	589.6	589.5
162.5°	597.5	598.4	599.3	599.8	599.5	598.9	598.2	597.6	597.0	596.9	596.8
165°	604.1	605.0	605.8	606.2	605.9	605.3	604.7	604.1	603.5	603.4	603.3
167.5°	609.4	610.3	611.2	611.7	611.3	610.6	609.9	609.2	608.5	608.4	608.3
170°	613.6	614.5	615.4	615.9	615.5	614.7	613.8	613.0	612.2	612.1	612.0
172.5°	616.3	617.2	618.1	618.6	618.2	617.5	616.8	616.1	615.4	615.2	615.0
175°	618.6	619.5	620.4	620.9	620.5	619.7	618.8	618.0	617.2	617.1	617.0
177.5°	619.8	620.6	621.4	621.8	621.4	620.7	620.0	619.3	618.6	618.5	618.4
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6
2.5°	1633.4	1626.7	1618.6	1618.6	1609.2	1605.1	1597.0	1594.3	1587.6	1576.8	1568.7
5°	1691.4	1673.9	1663.1	1653.6	1633.4	1618.6	1603.8	1587.6	1571.4	1552.6	1531.0
7.5°	1748.0	1715.6	1700.8	1684.6	1655.0	1624.0	1594.3	1572.8	1551.2	1521.6	1494.6
10°	1807.3	1766.9	1739.9	1718.3	1672.5	1633.4	1590.3	1559.3	1525.6	1487.9	1452.8
12.5°	1857.2	1804.6	1781.7	1741.2	1688.7	1641.5	1587.6	1540.4	1496.0	1451.5	1408.4
15°	1898.9	1849.1	1792.5	1776.3	1703.5	1636.1	1575.5	1514.8	1459.6	1415.1	1365.2
17.5°	1912.4	1849.1	1820.8	1781.7	1695.4	1625.3	1548.5	1482.5	1429.9	1363.9	1324.8
20°	1916.5	1855.8	1816.7	1780.3	1703.5	1610.5	1535.0	1454.2	1390.8	1324.8	1262.8
22.5°	1905.7	1834.2	1796.5	1761.5	1675.2	1595.7	1508.1	1419.1	1345.0	1284.4	1222.4
25°	1885.5	1801.9	1765.5	1727.8	1645.6	1558.0	1462.3	1377.4	1308.6	1235.9	1175.2
27.5°	1858.5	1762.8	1721.0	1681.9	1601.1	1518.9	1428.6	1341.0	1264.2	1187.3	1130.7
30°	1824.8	1714.3	1676.6	1625.3	1547.2	1469.0	1386.8	1299.2	1212.9	1140.2	1078.2
32.5°	1781.7	1665.8	1615.9	1567.4	1482.5	1411.1	1332.9	1250.7	1167.1	1095.7	1031.0
35°	1742.6	1610.5	1555.3	1506.7	1412.4	1336.9	1272.2	1195.4	1121.3	1047.2	989.2
37.5°	1690.0	1555.3	1489.2	1439.4	1343.7	1266.9	1206.2	1146.9	1068.7	997.3	943.4
40°	1634.8	1486.5	1424.5	1374.7	1274.9	1191.4	1133.4	1080.9	1017.5	951.5	894.9
42.5°	1584.9	1420.5	1354.5	1293.8	1192.7	1118.6	1059.3	1018.9	960.9	901.6	850.4
45°	1521.6	1350.4	1279.0	1215.6	1118.6	1037.7	981.1	948.8	905.7	847.7	803.2
47.5°	1456.9	1274.9	1200.8	1138.8	1033.7	962.3	907.0	876.0	846.4	800.5	756.1
50°	1372.0	1195.4	1128.0	1056.6	952.8	880.1	834.2	803.2	780.3	748.0	710.2
52.5°	1279.0	1113.2	1040.4	978.4	876.0	810.0	757.4	739.9	717.0	692.7	660.4
55°	1180.6	1024.3	954.2	893.5	799.2	731.8	688.7	669.8	652.3	633.4	611.9
57.5°	1082.2	931.3	865.2	811.3	723.7	659.0	624.0	598.4	586.3	575.5	558.0
60°	959.6	831.5	780.3	731.8	645.6	586.3	552.6	533.7	522.9	517.5	509.4
62.5°	851.8	746.6	690.0	642.9	574.1	521.6	489.2	474.4	465.0	462.3	452.8
65°	737.2	646.9	602.4	562.0	502.7	455.5	428.6	411.1	404.3	403.0	403.0
67.5°	629.4	556.6	512.1	483.8	432.6	390.8	365.2	358.5	354.4	349.1	347.7
70°	528.3	470.4	431.3	407.0	361.2	330.2	310.0	299.2	299.2	295.1	292.5
72.5°	439.4	381.4	355.8	335.6	297.8	270.9	256.1	253.4	243.9	242.6	242.6
75°	343.7	300.5	283.0	265.5	237.2	218.3	206.2	199.5	194.1	194.1	195.4
77.5°	258.8	229.1	212.9	199.5	179.2	167.1	157.7	155.0	149.6	149.6	149.6
80°	183.3	167.1	155.0	144.2	129.4	118.6	113.2	107.8	107.8	106.5	107.8
82.5°	118.6	105.1	98.4	97.0	83.6	79.5	72.8	74.1	70.1	68.7	71.4
85°	68.7	62.0	53.9	51.2	45.8	40.4	37.7	39.1	37.7	36.4	37.7
87.5°	27.0	22.9	21.6	21.6	17.5	16.2	14.8	16.2	13.5	13.5	14.8
90°	5.2	4.5	4.1	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	5.5	4.9	4.6	5.1	6.0	6.9	7.8	8.7	7.8	6.9	6.0
95°	19.0	22.9	24.8	25.0	25.3	25.6	25.9	26.2	25.9	25.6	25.3
97.5°	37.4	47.1	51.9	51.6	51.0	50.3	49.7	49.1	49.7	50.3	51.0
100°	78.7	78.3	78.1	77.9	77.6	77.3	77.0	76.7	77.0	77.3	77.6
102.5°	106.8	106.6	106.5	106.3	105.9	105.5	105.1	104.7	105.1	105.5	105.9
105°	136.9	136.9	136.9	136.7	136.3	135.8	135.4	135.0	135.4	135.8	136.3
107.5°	166.6	166.4	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3
110°	196.9	196.7	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6

TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	226.6	226.5	226.4	226.2	225.9	225.6	225.3	225.0	225.3	225.6	225.9
115°	256.0	255.9	255.8	255.5	255.0	254.5	254.0	253.5	254.0	254.5	255.0
117.5°	284.0	283.6	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4
120°	310.9	310.6	310.5	310.5	310.6	310.7	310.8	310.9	310.8	310.7	310.6
122.5°	337.7	337.6	337.6	337.3	336.8	336.3	335.8	335.3	335.8	336.3	336.8
125°	363.7	363.7	363.7	363.3	362.6	361.9	361.2	360.5	361.2	361.9	362.6
127.5°	387.0	387.1	387.2	386.9	386.4	385.9	385.4	384.9	385.4	385.9	386.4
130°	409.4	409.3	409.2	408.9	408.4	407.9	407.4	406.9	407.4	407.9	408.4
132.5°	431.2	431.5	431.7	431.4	430.8	430.1	429.5	428.9	429.5	430.1	430.8
135°	452.1	452.3	452.4	452.1	451.5	450.8	450.2	449.6	450.2	450.8	451.5
137.5°	471.4	471.6	471.7	471.4	470.8	470.1	469.5	468.9	469.5	470.1	470.8
140°	488.5	488.6	488.6	488.5	488.3	488.1	487.9	487.7	487.9	488.1	488.3
142.5°	505.5	505.3	505.2	505.1	505.0	504.9	504.8	504.7	504.8	504.9	505.0
145°	522.2	522.2	522.2	522.1	521.9	521.7	521.5	521.3	521.5	521.7	521.9
147.5°	536.1	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0
150°	549.1	548.9	548.8	548.9	549.1	549.3	549.5	549.7	549.5	549.3	549.1
152.5°	561.1	560.9	560.8	561.0	561.5	562.0	562.5	563.0	562.5	562.0	561.5
155°	571.6	571.4	571.3	571.6	572.2	572.9	573.5	574.1	573.5	572.9	572.2
157.5°	581.4	581.4	581.4	581.6	581.9	582.2	582.5	582.8	582.5	582.2	581.9
160°	589.4	589.3	589.2	589.5	590.1	590.8	591.4	592.0	591.4	590.8	590.1
162.5°	596.7	596.6	596.6	596.9	597.5	598.1	598.7	599.3	598.7	598.1	597.5
165°	603.2	603.1	603.0	603.3	603.9	604.6	605.2	605.8	605.2	604.6	603.9
167.5°	608.2	608.1	608.1	608.4	609.0	609.6	610.2	610.8	610.2	609.6	609.0
170°	611.9	611.8	611.7	612.1	612.8	613.5	614.2	614.9	614.2	613.5	612.8
172.5°	614.8	614.6	614.5	614.9	615.6	616.3	617.0	617.7	617.0	616.3	615.6
175°	616.9	616.8	616.8	617.1	617.7	618.3	618.9	619.5	618.9	618.3	617.7
177.5°	618.3	618.2	618.2	618.5	619.1	619.7	620.3	620.9	620.3	619.7	619.1
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6
2.5°	1566.0	1563.3	1556.6	1552.6	1539.1	1522.9	1517.5	1504.0	1509.4	1500.0	1500.0
5°	1524.3	1512.1	1504.0	1491.9	1466.3	1448.8	1429.9	1420.5	1415.1	1408.4	1403.0
7.5°	1470.4	1460.9	1452.8	1429.9	1401.6	1377.4	1354.5	1345.0	1327.5	1315.4	1310.0
10°	1423.2	1409.7	1390.8	1363.9	1334.2	1303.2	1283.0	1262.8	1249.3	1242.6	1227.8
12.5°	1374.7	1358.5	1338.3	1299.2	1266.9	1248.0	1211.6	1192.7	1186.0	1180.6	1163.1
15°	1324.8	1307.3	1283.0	1246.6	1218.3	1173.9	1152.3	1137.5	1121.3	1120.0	1106.5
17.5°	1280.3	1258.8	1238.5	1194.1	1159.0	1120.0	1107.8	1091.6	1076.8	1060.7	1053.9
20°	1223.7	1203.5	1188.7	1140.2	1101.1	1076.8	1056.6	1043.1	1033.7	1017.5	1014.8
22.5°	1172.5	1150.9	1130.7	1094.3	1060.7	1029.7	1005.4	990.6	986.5	979.8	967.7
25°	1122.6	1101.1	1076.8	1043.1	1008.1	986.5	965.0	955.5	947.4	936.7	927.2
27.5°	1080.9	1060.7	1037.7	996.0	966.3	950.1	927.2	916.4	905.7	900.3	896.2
30°	1031.0	1008.1	990.6	958.2	925.9	904.3	888.1	878.7	869.3	863.9	861.2
32.5°	982.5	960.9	948.8	913.8	888.1	862.5	850.4	843.7	838.3	832.9	827.5
35°	943.4	921.8	903.0	870.6	845.0	827.5	818.1	807.3	803.2	797.8	797.8
37.5°	894.9	878.7	859.8	828.8	805.9	792.5	784.4	770.9	769.5	766.8	762.8
40°	853.1	836.9	819.4	792.5	772.2	756.1	745.3	738.5	734.5	731.8	729.1
42.5°	808.6	791.1	783.0	752.0	734.5	718.3	712.9	706.2	704.9	699.5	692.7
45°	765.5	750.7	734.5	711.6	696.8	683.3	675.2	669.8	663.1	661.7	657.7
47.5°	727.8	710.2	695.4	673.9	657.7	646.9	640.2	633.4	628.0	624.0	619.9
50°	679.2	665.8	653.6	630.7	617.3	606.5	597.0	591.6	586.3	586.3	586.3
52.5°	632.1	619.9	609.2	593.0	576.8	567.4	556.6	552.6	549.9	545.8	549.9
55°	586.3	574.1	563.3	551.2	532.3	524.3	513.5	509.4	510.8	510.8	514.8
57.5°	537.7	528.3	521.6	506.7	489.2	481.1	474.4	470.4	470.4	475.7	477.1
60°	490.6	481.1	469.0	455.5	444.7	435.3	431.3	432.6	432.6	435.3	442.1
62.5°	438.0	432.6	425.9	407.0	400.3	393.5	388.1	392.2	390.8	397.6	407.0
65°	389.5	384.1	374.7	365.2	357.1	350.4	349.1	350.4	353.1	359.8	370.6
67.5°	335.6	335.6	327.5	319.4	312.7	305.9	307.3	308.6	311.3	319.4	335.6
70°	291.1	285.7	277.6	272.2	266.8	264.2	261.5	266.8	274.9	280.3	292.5
72.5°	242.6	238.5	231.8	226.4	225.1	222.4	221.0	223.7	231.8	241.2	254.7
75°	191.4	192.7	188.7	184.6	184.6	180.6	183.3	183.3	191.4	200.8	211.6
77.5°	148.2	146.9	145.6	142.9	141.5	141.5	141.5	144.2	152.3	157.7	168.5
80°	105.1	106.5	102.4	103.8	102.4	103.8	103.8	109.2	113.2	119.9	128.0
82.5°	70.1	70.1	67.4	68.7	68.7	68.7	70.1	72.8	78.2	83.6	88.9
85°	39.1	40.4	37.7	40.4	40.4	40.4	41.8	43.1	47.2	48.5	53.9
87.5°	14.8	17.5	17.5	14.8	16.2	17.5	18.9	17.5	20.2	22.9	24.3
90°	3.7	4.1	4.5	5.2	5.9	6.6	7.3	7.8	8.3	8.8	9.3
92.5°	5.1	4.6	4.9	5.5	6.1	6.7	7.3	7.8	8.3	8.8	9.3
95°	25.0	24.8	22.9	19.0	15.1	11.2	7.3	7.8	8.3	8.8	9.3
97.5°	51.6	51.9	47.1	37.4	27.7	18.0	8.3	8.5	8.7	8.9	9.1
100°	77.9	78.1	78.3	78.7	79.1	79.5	79.9	64.7	49.5	34.3	19.1
102.5°	106.3	106.5	106.6	106.8	107.1	107.3	107.5	107.7	107.9	108.1	108.3
105°	136.7	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
107.5°	166.3	166.3	166.4	166.6	166.8	167.0	167.2	167.3	167.4	167.5	167.6
110°	196.6	196.6	196.7	196.9	197.1	197.3	197.5	197.2	196.9	196.6	196.3

TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	226.2	226.4	226.5	226.6	226.7	226.8	226.9	226.5	226.1	225.6	225.2
115°	255.5	255.8	255.9	256.0	256.1	256.2	256.3	255.9	255.5	255.0	254.6
117.5°	283.4	283.4	283.6	284.0	284.4	284.8	285.2	284.6	284.0	283.3	282.7
120°	310.5	310.5	310.6	310.9	311.2	311.5	311.8	311.6	311.4	311.2	311.0
122.5°	337.3	337.6	337.6	337.7	337.8	337.9	338.0	337.8	337.6	337.4	337.2
125°	363.3	363.7	363.7	363.7	363.7	363.7	363.7	363.3	362.9	362.5	362.1
127.5°	386.9	387.2	387.1	387.0	386.9	386.8	386.7	386.5	386.3	386.1	385.9
130°	408.9	409.2	409.3	409.4	409.5	409.6	409.7	409.4	409.1	408.8	408.5
132.5°	431.4	431.7	431.5	431.2	430.9	430.6	430.3	430.3	430.3	430.3	430.3
135°	452.1	452.4	452.3	452.1	451.8	451.6	451.4	451.2	451.0	450.8	450.6
137.5°	471.4	471.7	471.6	471.4	471.1	470.9	470.7	470.7	470.7	470.7	470.7
140°	488.5	488.6	488.6	488.5	488.4	488.3	488.2	488.4	488.6	488.8	489.0
142.5°	505.1	505.2	505.3	505.5	505.7	505.9	506.1	506.1	506.1	506.1	506.1
145°	522.1	522.2	522.2	522.2	522.2	522.2	522.2	522.3	522.4	522.5	522.6
147.5°	536.0	536.0	536.0	536.1	536.2	536.3	536.4	536.5	536.6	536.7	536.8
150°	548.9	548.8	548.9	549.1	549.3	549.5	549.7	549.9	550.1	550.3	550.5
152.5°	561.0	560.8	560.9	561.1	561.3	561.5	561.7	561.9	562.1	562.3	562.5
155°	571.6	571.3	571.4	571.6	571.8	572.0	572.2	572.5	572.8	573.1	573.4
157.5°	581.6	581.4	581.4	581.4	581.4	581.4	581.4	581.7	582.0	582.3	582.6
160°	589.5	589.2	589.3	589.4	589.5	589.6	589.7	590.1	590.5	590.9	591.3
162.5°	596.9	596.6	596.6	596.7	596.8	596.9	597.0	597.6	598.2	598.9	599.5
165°	603.3	603.0	603.1	603.2	603.3	603.4	603.5	604.1	604.7	605.3	605.9
167.5°	608.4	608.1	608.1	608.2	608.3	608.4	608.5	609.2	609.9	610.6	611.3
170°	612.1	611.7	611.8	611.9	612.0	612.1	612.2	613.0	613.8	614.7	615.5
172.5°	614.9	614.5	614.6	614.8	615.0	615.2	615.4	616.1	616.8	617.5	618.2
175°	617.1	616.8	616.8	616.9	617.0	617.1	617.2	618.0	618.8	619.7	620.5
177.5°	618.5	618.2	618.2	618.3	618.4	618.5	618.6	619.3	620.0	620.7	621.4
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6
2.5°	1505.4	1496.0	1494.6	1497.3	1491.9	1500.0	1497.3	1500.0	1493.3	1500.0	1496.0
5°	1401.6	1398.9	1393.5	1386.8	1388.1	1389.5	1396.2	1389.5	1394.9	1396.2	1403.0
7.5°	1304.6	1299.2	1303.2	1300.5	1288.4	1285.7	1288.4	1292.5	1300.5	1305.9	1310.0
10°	1226.4	1223.7	1218.3	1214.3	1207.6	1203.5	1208.9	1203.5	1214.3	1223.7	1223.7
12.5°	1167.1	1156.3	1149.6	1148.3	1133.4	1136.1	1141.5	1145.6	1157.7	1163.1	1163.1
15°	1105.1	1097.0	1094.3	1089.0	1083.6	1089.0	1086.3	1090.3	1095.7	1101.1	1103.8
17.5°	1051.2	1049.9	1051.2	1037.7	1041.8	1035.0	1036.4	1043.1	1039.1	1043.1	1051.2
20°	1002.7	1005.4	1001.4	996.0	996.0	987.9	997.3	994.6	996.0	1004.0	1016.2
22.5°	966.3	965.0	960.9	956.9	951.5	952.8	954.2	951.5	962.3	969.0	970.4
25°	927.2	924.5	923.2	919.1	913.8	919.1	917.8	919.1	921.8	932.6	924.5
27.5°	890.8	885.4	888.1	884.1	882.8	884.1	884.1	885.4	888.1	889.5	890.8
30°	859.8	854.5	853.1	850.4	849.1	850.4	853.1	850.4	861.2	859.8	859.8
32.5°	826.1	822.1	819.4	819.4	818.1	816.7	818.1	819.4	827.5	822.1	827.5
35°	793.8	791.1	791.1	788.4	787.1	787.1	787.1	792.5	789.8	793.8	793.8
37.5°	762.8	762.8	761.5	758.8	757.4	758.8	757.4	760.1	758.8	760.1	761.5
40°	730.5	727.8	726.4	726.4	722.4	718.3	722.4	722.4	723.7	727.8	729.1
42.5°	691.4	692.7	692.7	687.3	687.3	687.3	688.7	690.0	690.0	692.7	692.7
45°	657.7	655.0	655.0	655.0	652.3	653.6	656.3	656.3	656.3	656.3	653.6
47.5°	619.9	619.9	621.3	621.3	625.3	624.0	624.0	622.6	619.9	619.9	621.3
50°	584.9	589.0	590.3	590.3	591.6	593.0	593.0	590.3	589.0	584.9	584.9
52.5°	551.2	553.9	556.6	560.6	563.3	562.0	562.0	559.3	553.9	552.6	551.2
55°	514.8	518.9	524.3	528.3	532.3	533.7	533.7	528.3	522.9	516.2	516.2
57.5°	481.1	485.2	494.6	498.7	504.0	504.0	501.3	497.3	489.2	483.8	479.8
60°	447.4	454.2	460.9	469.0	475.7	477.1	473.0	467.7	458.2	451.5	446.1
62.5°	411.1	417.8	431.3	439.4	444.7	444.7	444.7	438.0	425.9	416.4	408.4
65°	376.0	382.8	394.9	405.7	409.7	413.7	409.7	403.0	393.5	382.8	374.7
67.5°	339.6	347.7	359.8	367.9	373.3	377.4	374.7	369.3	357.1	342.3	336.9
70°	299.2	303.2	320.8	328.8	336.9	339.6	336.9	328.8	316.7	300.5	295.1
72.5°	261.5	265.5	281.7	288.4	295.1	297.8	293.8	288.4	277.6	262.8	256.1
75°	218.3	225.1	233.2	243.9	252.0	254.7	250.7	246.6	233.2	223.7	218.3
77.5°	172.5	179.2	190.0	199.5	207.5	206.2	200.8	202.2	187.3	176.6	172.5
80°	130.7	136.1	144.2	152.3	156.3	156.3	155.0	149.6	144.2	136.1	129.4
82.5°	90.3	97.0	103.8	109.2	109.2	110.5	107.8	106.5	101.1	94.3	93.0
85°	53.9	55.3	60.6	60.6	66.0	63.3	62.0	66.0	60.6	56.6	55.3
87.5°	24.3	22.9	24.3	24.3	22.9	25.6	25.6	24.3	25.6	24.3	24.3
90°	9.6	9.8	10.1	10.4	10.7	11.0	10.7	10.4	10.1	9.8	9.6
92.5°	9.6	9.7	9.8	9.9	10.0	10.1	10.0	9.9	9.8	9.7	9.6
95°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
97.5°	9.2	9.2	9.3	9.4	9.5	9.6	9.5	9.4	9.3	9.2	9.2
100°	11.5	11.3	10.9	10.4	10.0	9.6	10.0	10.4	10.9	11.3	11.5
102.5°	108.4	104.1	95.5	87.0	78.4	69.8	78.4	87.0	95.5	104.1	108.4
105°	136.9	136.8	136.7	136.6	136.5	136.4	136.5	136.6	136.7	136.8	136.9
107.5°	167.6	167.4	167.0	166.6	166.2	165.8	166.2	166.6	167.0	167.4	167.6
110°	196.1	196.2	196.3	196.4	196.5	196.6	196.5	196.4	196.3	196.2	196.1



TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	225.0	224.9	224.7	224.5	224.3	224.1	224.3	224.5	224.7	224.9	225.0
115°	254.4	254.1	253.5	252.9	252.3	251.7	252.3	252.9	253.5	254.1	254.4
117.5°	282.4	282.3	282.1	281.9	281.7	281.5	281.7	281.9	282.1	282.3	282.4
120°	310.9	310.6	310.1	309.6	309.1	308.6	309.1	309.6	310.1	310.6	310.9
122.5°	337.1	336.8	336.2	335.5	334.9	334.3	334.9	335.5	336.2	336.8	337.1
125°	361.9	361.7	361.4	361.1	360.8	360.5	360.8	361.1	361.4	361.7	361.9
127.5°	385.8	385.4	384.6	383.7	382.9	382.1	382.9	383.7	384.6	385.4	385.8
130°	408.3	408.0	407.5	407.0	406.5	406.0	406.5	407.0	407.5	408.0	408.3
132.5°	430.3	430.0	429.5	429.0	428.5	428.0	428.5	429.0	429.5	430.0	430.3
135°	450.5	450.2	449.6	449.0	448.4	447.8	448.4	449.0	449.6	450.2	450.5
137.5°	470.7	470.4	469.9	469.4	468.9	468.4	468.9	469.4	469.9	470.4	470.7
140°	489.1	488.8	488.2	487.6	487.0	486.4	487.0	487.6	488.2	488.8	489.1
142.5°	506.1	505.8	505.2	504.5	503.9	503.3	503.9	504.5	505.2	505.8	506.1
145°	522.6	522.3	521.7	521.1	520.5	519.9	520.5	521.1	521.7	522.3	522.6
147.5°	536.9	536.5	535.8	535.1	534.4	533.7	534.4	535.1	535.8	536.5	536.9
150°	550.6	550.2	549.4	548.6	547.8	547.0	547.8	548.6	549.4	550.2	550.6
152.5°	562.6	562.2	561.5	560.8	560.1	559.4	560.1	560.8	561.5	562.2	562.6
155°	573.6	573.2	572.4	571.5	570.7	569.9	570.7	571.5	572.4	573.2	573.6
157.5°	582.8	582.4	581.6	580.7	579.9	579.1	579.9	580.7	581.6	582.4	582.8
160°	591.5	591.1	590.3	589.4	588.6	587.8	588.6	589.4	590.3	591.1	591.5
162.5°	599.8	599.3	598.4	597.5	596.6	595.7	596.6	597.5	598.4	599.3	599.8
165°	606.2	605.8	605.0	604.1	603.3	602.5	603.3	604.1	605.0	605.8	606.2
167.5°	611.7	611.2	610.3	609.4	608.5	607.6	608.5	609.4	610.3	611.2	611.7
170°	615.9	615.4	614.5	613.6	612.6	611.7	612.6	613.6	614.5	615.4	615.9
172.5°	618.6	618.1	617.2	616.3	615.4	614.5	615.4	616.3	617.2	618.1	618.6
175°	620.9	620.4	619.5	618.6	617.7	616.8	617.7	618.6	619.5	620.4	620.9
177.5°	621.8	621.4	620.6	619.8	619.0	618.2	619.0	619.8	620.6	621.4	621.8
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6
2.5°	1508.1	1500.0	1509.4	1497.3	1500.0	1514.8	1513.5	1527.0	1535.0	1533.7	1540.4
5°	1408.4	1408.4	1412.4	1411.1	1424.5	1436.7	1452.8	1466.3	1481.1	1489.2	1498.7
7.5°	1310.0	1323.5	1326.2	1332.9	1349.1	1369.3	1385.5	1405.7	1427.2	1442.1	1452.8
10°	1229.1	1239.9	1250.7	1256.1	1273.6	1300.5	1323.5	1355.8	1382.8	1398.9	1413.8
12.5°	1157.7	1169.8	1175.2	1199.5	1211.6	1229.1	1261.5	1296.5	1326.2	1343.7	1355.8
15°	1106.5	1113.2	1125.3	1140.2	1152.3	1173.9	1200.8	1239.9	1268.2	1283.0	1324.8
17.5°	1063.3	1071.4	1078.2	1084.9	1103.8	1126.7	1152.3	1186.0	1222.4	1248.0	1269.5
20°	1018.9	1022.9	1031.0	1041.8	1055.3	1076.8	1099.7	1134.8	1167.1	1187.3	1215.6
22.5°	966.3	978.4	986.5	994.6	1009.4	1033.7	1055.3	1080.9	1121.3	1144.2	1173.9
25°	935.3	940.7	946.1	955.5	966.3	987.9	1012.1	1039.1	1071.4	1095.7	1121.3
27.5°	894.9	903.0	909.7	921.8	928.6	946.1	969.0	996.0	1035.0	1055.3	1076.8
30°	861.2	869.3	874.7	880.1	889.5	908.4	929.9	951.5	987.9	1013.5	1035.0
32.5°	827.5	835.6	842.3	846.4	855.8	867.9	885.4	912.4	943.4	960.9	989.2
35°	797.8	797.8	805.9	811.3	819.4	830.2	846.4	866.6	898.9	921.8	947.4
37.5°	764.2	765.5	772.2	776.3	784.4	795.2	811.3	830.2	857.1	874.7	900.3
40°	729.1	733.2	735.9	742.6	752.0	756.1	772.2	793.8	820.8	836.9	858.5
42.5°	694.1	696.8	703.5	708.9	717.0	723.7	734.5	754.7	774.9	799.2	816.7
45°	655.0	661.7	665.8	675.2	679.2	686.0	696.8	712.9	737.2	752.0	772.2
47.5°	621.3	624.0	626.7	638.8	646.9	650.9	661.7	671.2	696.8	710.2	729.1
50°	584.9	584.9	589.0	594.3	603.8	611.9	621.3	632.1	652.3	665.8	684.6
52.5°	551.2	547.2	549.9	552.6	562.0	570.1	579.5	594.3	613.2	621.3	637.5
55°	514.8	508.1	512.1	516.2	518.9	529.7	540.4	549.9	564.7	576.8	591.6
57.5°	475.7	474.4	471.7	473.0	479.8	486.5	494.6	506.7	524.3	533.7	541.8
60°	440.7	432.6	429.9	432.6	436.7	440.7	451.5	462.3	477.1	486.5	496.0
62.5°	404.3	396.2	390.8	386.8	390.8	400.3	407.0	415.1	427.2	438.0	446.1
65°	369.3	357.1	351.8	349.1	347.7	354.4	359.8	370.6	381.4	385.4	394.9
67.5°	330.2	319.4	312.7	308.6	308.6	308.6	314.0	324.8	335.6	336.9	346.4
70°	291.1	279.0	272.2	266.8	264.2	266.8	273.6	274.9	284.4	287.1	292.5
72.5°	249.3	238.5	230.5	223.7	225.1	227.8	227.8	230.5	235.9	242.6	242.6
75°	210.2	195.4	191.4	186.0	183.3	183.3	183.3	188.7	192.7	198.1	196.8
77.5°	165.8	157.7	149.6	146.9	142.9	141.5	144.2	144.2	146.9	150.9	152.3
80°	128.0	118.6	113.2	110.5	105.1	103.8	105.1	105.1	109.2	107.8	109.2
82.5°	88.9	82.2	78.2	74.1	71.4	72.8	71.4	71.4	72.8	71.4	71.4
85°	51.2	49.9	47.2	45.8	44.5	41.8	44.5	43.1	41.8	40.4	43.1
87.5°	24.3	22.9	22.9	20.2	20.2	18.9	20.2	20.2	18.9	18.9	18.9
90°	9.3	8.8	8.3	7.8	7.3	6.6	5.9	5.2	4.5	4.1	3.7
92.5°	9.3	8.8	8.3	7.8	7.3	6.7	6.1	5.5	4.9	4.6	5.1
95°	9.3	8.8	8.3	7.8	7.3	11.2	15.1	19.0	22.9	24.8	25.0
97.5°	9.1	8.9	8.7	8.5	8.3	18.0	27.7	37.4	47.1	51.9	51.6
100°	19.1	34.3	49.5	64.7	79.9	79.5	79.1	78.7	78.3	78.1	77.9
102.5°	108.3	108.1	107.9	107.7	107.5	107.3	107.1	106.8	106.6	106.5	106.3
105°	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.7
107.5°	167.6	167.5	167.4	167.3	167.2	167.0	166.8	166.6	166.4	166.3	166.3
110°	196.3	196.6	196.9	197.2	197.5	197.3	197.1	196.9	196.7	196.6	196.6

TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	225.2	225.6	226.1	226.5	226.9	226.8	226.7	226.6	226.5	226.4	226.2
115°	254.6	255.0	255.5	255.9	256.3	256.2	256.1	256.0	255.9	255.8	255.5
117.5°	282.7	283.3	284.0	284.6	285.2	284.8	284.4	284.0	283.6	283.4	283.4
120°	311.0	311.2	311.4	311.6	311.8	311.5	311.2	310.9	310.6	310.5	310.5
122.5°	337.2	337.4	337.6	337.8	338.0	337.9	337.8	337.7	337.6	337.6	337.3
125°	362.1	362.5	362.9	363.3	363.7	363.7	363.7	363.7	363.7	363.7	363.3
127.5°	385.9	386.1	386.3	386.5	386.7	386.8	386.9	387.0	387.1	387.2	386.9
130°	408.5	408.8	409.1	409.4	409.7	409.6	409.5	409.4	409.3	409.2	408.9
132.5°	430.3	430.3	430.3	430.3	430.3	430.6	430.9	431.2	431.5	431.7	431.4
135°	450.6	450.8	451.0	451.2	451.4	451.6	451.8	452.1	452.3	452.4	452.1
137.5°	470.7	470.7	470.7	470.7	470.7	470.9	471.1	471.4	471.6	471.7	471.4
140°	489.0	488.8	488.6	488.4	488.2	488.3	488.4	488.5	488.6	488.6	488.5
142.5°	506.1	506.1	506.1	506.1	506.1	505.9	505.7	505.5	505.3	505.2	505.1
145°	522.6	522.5	522.4	522.3	522.2	522.2	522.2	522.2	522.2	522.2	522.1
147.5°	536.8	536.7	536.6	536.5	536.4	536.3	536.2	536.1	536.0	536.0	536.0
150°	550.5	550.3	550.1	549.9	549.7	549.5	549.3	549.1	548.9	548.8	548.9
152.5°	562.5	562.3	562.1	561.9	561.7	561.5	561.3	561.1	560.9	560.8	561.0
155°	573.4	573.1	572.8	572.5	572.2	572.0	571.8	571.6	571.4	571.3	571.6
157.5°	582.6	582.3	582.0	581.7	581.4	581.4	581.4	581.4	581.4	581.4	581.6
160°	591.3	590.9	590.5	590.1	589.7	589.6	589.5	589.4	589.3	589.2	589.5
162.5°	599.5	598.9	598.2	597.6	597.0	596.9	596.8	596.7	596.6	596.6	596.9
165°	605.9	605.3	604.7	604.1	603.5	603.4	603.3	603.2	603.1	603.0	603.3
167.5°	611.3	610.6	609.9	609.2	608.5	608.4	608.3	608.2	608.1	608.1	608.4
170°	615.5	614.7	613.8	613.0	612.2	612.1	612.0	611.9	611.8	611.7	612.1
172.5°	618.2	617.5	616.8	616.1	615.4	615.2	615.0	614.8	614.6	614.5	614.9
175°	620.5	619.7	618.8	618.0	617.2	617.1	617.0	616.9	616.8	616.8	617.1
177.5°	621.4	620.7	620.0	619.3	618.6	618.5	618.4	618.3	618.2	618.2	618.5
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1587.6	1587.6	1587.6	1587.6
2.5°	1549.9	1563.3	1572.8	1590.3
5°	1514.8	1539.1	1562.0	1586.3
7.5°	1479.8	1508.1	1544.5	1575.5
10°	1440.7	1477.1	1520.2	1562.0
12.5°	1401.6	1444.8	1491.9	1547.2
15°	1354.5	1409.7	1465.0	1524.3
17.5°	1312.7	1369.3	1428.6	1502.7
20°	1265.5	1327.5	1392.2	1467.7
22.5°	1223.7	1292.5	1359.8	1439.4
25°	1176.6	1243.9	1318.1	1403.0
27.5°	1137.5	1199.5	1272.2	1363.9
30°	1090.3	1157.7	1230.5	1322.1
32.5°	1045.8	1110.5	1187.3	1277.6
35°	1000.0	1066.0	1134.8	1221.0
37.5°	956.9	1013.5	1082.2	1164.4
40°	908.4	970.4	1032.3	1097.0
42.5°	863.9	920.5	978.4	1029.7
45°	814.0	862.5	917.8	959.6
47.5°	768.2	811.3	854.5	886.8
50°	722.4	756.1	788.4	816.7
52.5°	668.5	706.2	723.7	741.2
55°	619.9	641.5	657.7	675.2
57.5°	572.8	582.2	590.3	606.5
60°	510.8	521.6	531.0	543.1
62.5°	456.9	462.3	465.0	477.1
65°	405.7	404.3	411.1	417.8
67.5°	350.4	349.1	355.8	358.5
70°	296.5	295.1	296.5	303.2
72.5°	245.3	245.3	246.6	249.3
75°	198.1	198.1	199.5	202.2
77.5°	149.6	152.3	150.9	156.3
80°	109.2	106.5	109.2	111.9
82.5°	71.4	74.1	74.1	71.4
85°	40.4	40.4	40.4	40.4
87.5°	17.5	17.5	18.9	20.2
90°	2.9	2.1	1.3	0.5
92.5°	6.0	6.9	7.8	8.7
95°	25.3	25.6	25.9	26.2
97.5°	51.0	50.3	49.7	49.1
100°	77.6	77.3	77.0	76.7
102.5°	105.9	105.5	105.1	104.7
105°	136.3	135.8	135.4	135.0
107.5°	166.3	166.3	166.3	166.3
110°	196.6	196.6	196.6	196.6

TEST NUMBER: P1034362

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	225.9	225.6	225.3	225.0
115°	255.0	254.5	254.0	253.5
117.5°	283.4	283.4	283.4	283.4
120°	310.6	310.7	310.8	310.9
122.5°	336.8	336.3	335.8	335.3
125°	362.6	361.9	361.2	360.5
127.5°	386.4	385.9	385.4	384.9
130°	408.4	407.9	407.4	406.9
132.5°	430.8	430.1	429.5	428.9
135°	451.5	450.8	450.2	449.6
137.5°	470.8	470.1	469.5	468.9
140°	488.3	488.1	487.9	487.7
142.5°	505.0	504.9	504.8	504.7
145°	521.9	521.7	521.5	521.3
147.5°	536.0	536.0	536.0	536.0
150°	549.1	549.3	549.5	549.7
152.5°	561.5	562.0	562.5	563.0
155°	572.2	572.9	573.5	574.1
157.5°	581.9	582.2	582.5	582.8
160°	590.1	590.8	591.4	592.0
162.5°	597.5	598.1	598.7	599.3
165°	603.9	604.6	605.2	605.8
167.5°	609.0	609.6	610.2	610.8
170°	612.8	613.5	614.2	614.9
172.5°	615.6	616.3	617.0	617.7
175°	617.7	618.3	618.9	619.5
177.5°	619.1	619.7	620.3	620.9
180°	619.5	619.5	619.5	619.5

(END OF REPORT)