

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: P1034361

Luminaire Tested: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034361
REPORT IS A COMBINATION OF REPORTS P1002929 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_3000K
Description: Define 5 Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

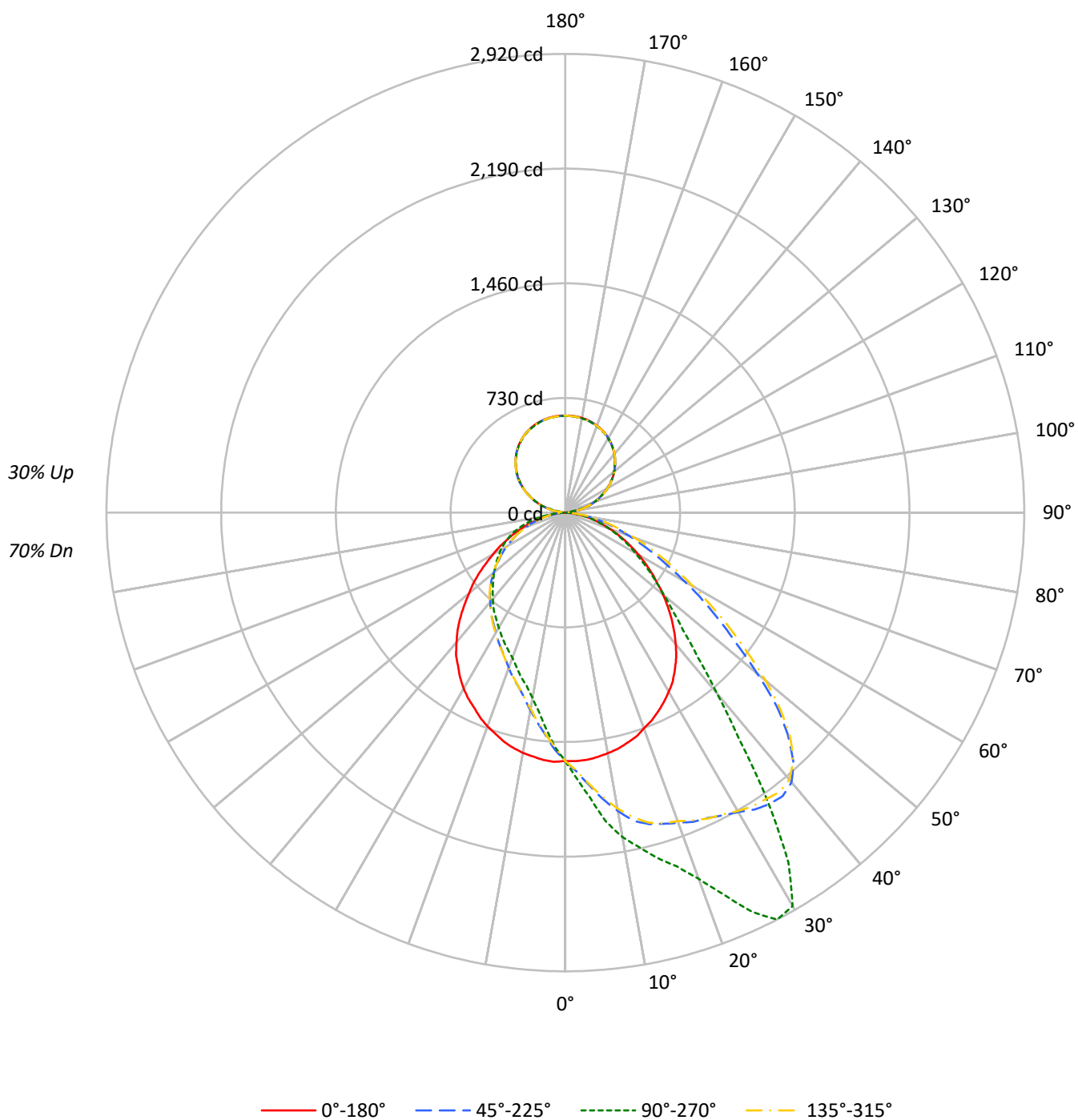
Lumens per Lamp: N/A
Luminaire Lumens: 6357.0 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

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	50	30	10
RCR																				
0	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	75	75	75
1	103	98	94	91	97	93	90	87	84	81	79	75	73	71	67	65	64	64	64	60
2	94	86	80	75	88	82	76	72	74	69	66	66	63	60	59	56	54	54	54	51
3	86	76	69	63	81	72	66	60	65	60	55	59	54	51	52	49	46	46	46	43
4	79	68	60	53	74	64	57	51	58	52	48	52	48	44	47	43	40	40	40	37
5	72	60	52	46	68	58	50	44	52	46	41	47	42	38	42	38	35	35	35	32
6	67	54	46	40	63	52	44	39	47	41	36	43	38	34	39	34	31	31	31	28
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	35	31	28	28	28	25
8	57	45	37	31	54	43	36	30	39	33	29	36	30	27	32	28	25	25	25	23
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	22	22	22	20
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	28	23	20	20	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10129	10129	10129	10129
5°	10136	11491	10145	8717
10°	10075	13096	10057	7483
15°	10001	14200	9939	6761
20°	9874	15561	9784	6172
25°	9762	17830	9584	5823
30°	9601	18810	9435	5508
35°	9347	15079	9151	5254
40°	8949	10422	8817	4986
45°	8447	7759	8352	4764
50°	7872	6387	7741	4585
55°	7251	5448	7194	4430
60°	6642	4663	6527	4310
65°	5986	4027	5889	4135
70°	5292	3343	5222	3830
75°	4558	2586	4497	3324
80°	3600	1749	3471	2444
85°	2304	875	2224	1246

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 15471 cd/sqm

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.2	2.4
10°-20°	453.2	7.1
20°-30°	736.1	11.6
30°-40°	899.7	14.2
40°-50°	816.1	12.8
50°-60°	650.0	10.2
60°-70°	452.7	7.1
70°-80°	241.2	3.8
80°-90°	60.7	1.0
90°-100°	20.9	0.3
100°-110°	139.2	2.2
110°-120°	250.7	3.9
120°-130°	321.8	5.1
130°-140°	346.1	5.4
140°-150°	324.9	5.1
150°-160°	262.8	4.1
160°-170°	169.9	2.7
170°-180°	58.6	0.9
0°-30°	1341.5	21.1
0°-40°	2241.2	35.3
0°-60°	3707.3	58.3
0°-90°	4461.9	70.2
90°-120°	410.9	6.5
90°-150°	1403.7	22.1
90°-180°	1895.0	29.8
0°-180°	6357.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1581	1581	1581	1581	1581	
5°	1580	1824	1581	1384	1580	150
15°	1518	2277	1508	1084	1518	428
25°	1397	2802	1372	915	1397	643
35°	1216	2249	1190	784	1216	759
45°	956	1060	945	651	956	736
55°	672	654	667	531	672	601
65°	416	401	409	412	416	413
75°	201	197	199	254	201	214
85°	40	44	39	63	40	48
90°	0	11	0	11	0	4
95°	26	10	26	10	26	32
105°	134	136	134	136	134	142
115°	252	251	252	251	252	250
125°	359	359	359	359	359	321
135°	448	446	448	446	448	345
145°	519	518	519	518	519	325
155°	572	568	572	568	572	263
165°	603	600	603	600	603	170
175°	617	614	617	614	617	59
180°	617	617	617	617	617	

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9
2.5°	1583.6	1593.0	1603.7	1611.7	1625.2	1629.2	1635.9	1639.9	1643.9	1648.0	1650.7
5°	1579.5	1602.3	1622.5	1637.2	1662.7	1672.1	1684.2	1699.0	1716.4	1731.2	1740.6
7.5°	1568.8	1605.0	1631.9	1661.4	1696.3	1719.1	1731.2	1762.0	1790.2	1811.7	1839.9
10°	1555.4	1598.3	1639.9	1684.2	1733.9	1759.4	1783.5	1826.5	1865.4	1900.3	1928.5
12.5°	1540.6	1593.0	1642.6	1700.3	1767.4	1798.3	1814.4	1888.2	1936.5	1955.3	2010.3
15°	1517.8	1579.5	1650.7	1721.8	1778.1	1814.4	1858.7	1917.7	1966.0	2007.6	2051.9
17.5°	1496.3	1563.4	1635.9	1715.1	1796.9	1843.9	1877.5	1929.8	1982.1	2035.8	2077.4
20°	1461.4	1548.7	1622.5	1707.0	1803.6	1837.2	1872.1	1933.8	1990.2	2047.9	2100.2
22.5°	1433.3	1516.5	1617.1	1697.6	1779.5	1813.0	1856.0	1920.4	1987.5	2053.3	2129.8
25°	1397.0	1489.6	1576.8	1662.7	1747.3	1783.5	1822.4	1905.6	1975.4	2060.0	2144.5
27.5°	1358.1	1453.4	1540.6	1618.5	1697.6	1747.3	1788.9	1876.1	1968.7	2061.3	2171.4
30°	1316.5	1406.4	1489.6	1566.1	1653.3	1704.3	1745.9	1847.9	1951.3	2069.4	2200.9
32.5°	1272.2	1356.8	1427.9	1505.7	1598.3	1645.3	1701.7	1813.0	1935.2	2076.1	2241.1
35°	1215.9	1296.4	1359.4	1438.6	1531.2	1591.6	1650.7	1775.5	1917.7	2074.7	2264.0
37.5°	1159.5	1222.6	1283.0	1367.5	1474.9	1529.9	1591.6	1728.5	1890.9	2070.7	2273.3
40°	1092.4	1154.1	1206.5	1292.3	1405.1	1468.1	1532.6	1676.2	1860.0	2055.9	2239.8
42.5°	1025.3	1077.6	1135.3	1225.2	1333.9	1401.0	1469.5	1629.2	1819.8	2013.0	2147.2
45°	955.5	995.8	1058.8	1140.7	1256.1	1320.5	1398.4	1571.5	1763.4	1935.2	2002.3
47.5°	883.0	923.3	982.3	1061.5	1175.6	1252.1	1325.9	1499.0	1692.3	1825.1	1825.1
50°	813.3	845.5	903.2	982.3	1097.8	1167.5	1242.7	1426.5	1582.2	1680.2	1593.0
52.5°	738.1	774.3	822.6	905.8	1019.9	1083.0	1164.9	1321.9	1469.5	1509.7	1375.5
55°	672.3	701.9	747.5	826.7	932.7	998.4	1068.2	1218.5	1343.3	1340.7	1197.1
57.5°	603.9	628.1	676.4	748.8	846.8	905.8	975.6	1105.8	1207.8	1171.6	1036.0
60°	540.8	558.3	605.2	664.3	758.2	813.3	880.4	986.4	1064.2	1013.2	876.3
62.5°	475.1	495.2	532.8	590.5	673.7	718.0	767.6	875.0	924.6	879.0	739.4
65°	416.0	432.1	465.7	514.0	589.1	629.4	672.3	760.9	807.9	742.1	626.7
67.5°	357.0	375.8	399.9	442.9	501.9	539.5	577.1	653.6	675.0	616.0	519.4
70°	301.9	318.1	340.9	371.7	421.4	454.9	483.1	546.2	561.0	505.9	429.4
72.5°	248.3	259.0	277.8	303.3	348.9	367.7	397.2	440.2	459.0	409.3	354.3
75°	201.3	209.4	221.4	240.2	271.1	291.2	315.4	355.6	354.3	319.4	280.5
77.5°	155.7	157.0	170.4	187.9	206.7	224.1	236.2	264.4	267.1	245.6	213.4
80°	111.4	115.4	120.8	134.2	150.3	157.0	171.8	189.2	191.9	175.8	154.3
82.5°	71.1	73.8	77.8	85.9	96.6	104.7	112.7	119.4	126.1	116.8	99.3
85°	40.3	41.6	45.6	48.3	53.7	57.7	64.4	71.1	69.8	63.1	57.7
87.5°	20.1	20.1	20.1	22.8	25.5	25.5	28.2	29.5	30.9	28.2	25.5
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°	26.1	25.8	25.5	25.2	24.9	24.7	22.8	18.9	15.0	11.2	7.3
97.5°	48.9	49.5	50.1	50.8	51.4	51.7	46.9	37.2	27.5	17.9	8.2
100°	76.4	76.7	77.0	77.3	77.6	77.7	77.9	78.3	78.8	79.2	79.6
102.5°	104.3	104.7	105.1	105.5	105.9	106.1	106.2	106.4	106.6	106.8	107.0
105°	134.5	134.9	135.3	135.7	136.1	136.3	136.3	136.3	136.3	136.3	136.3
107.5°	165.6	165.6	165.6	165.6	165.6	165.6	165.7	165.9	166.1	166.3	166.5
110°	195.7	195.7	195.7	195.7	195.7	195.7	195.8	196.0	196.2	196.4	196.6

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	224.1	224.4	224.7	225.0	225.3	225.5	225.5	225.6	225.7	225.8	225.9
115°	252.4	252.9	253.4	253.9	254.4	254.7	254.8	254.9	255.0	255.1	255.2
117.5°	282.2	282.2	282.2	282.2	282.2	282.2	282.4	282.8	283.2	283.6	284.0
120°	309.6	309.5	309.4	309.3	309.2	309.2	309.3	309.6	309.9	310.2	310.5
122.5°	333.8	334.3	334.8	335.3	335.8	336.1	336.2	336.3	336.4	336.5	336.6
125°	359.0	359.7	360.4	361.1	361.8	362.2	362.2	362.2	362.2	362.2	362.2
127.5°	383.2	383.7	384.2	384.7	385.2	385.5	385.5	385.4	385.3	385.2	385.1
130°	405.2	405.7	406.2	406.7	407.2	407.5	407.5	407.6	407.7	407.8	407.9
132.5°	427.1	427.7	428.3	429.0	429.6	429.9	429.7	429.4	429.1	428.8	428.5
135°	447.7	448.3	448.9	449.6	450.2	450.5	450.4	450.2	450.0	449.8	449.6
137.5°	466.9	467.5	468.1	468.8	469.4	469.7	469.6	469.4	469.2	469.0	468.8
140°	485.7	485.9	486.1	486.3	486.5	486.6	486.5	486.4	486.3	486.2	486.1
142.5°	502.6	502.7	502.8	502.9	503.0	503.1	503.2	503.4	503.6	503.8	504.0
145°	519.1	519.3	519.5	519.7	519.9	520.0	520.0	520.0	520.0	520.0	520.0
147.5°	533.7	533.7	533.7	533.7	533.7	533.7	533.8	533.9	534.0	534.1	534.2
150°	547.4	547.2	547.0	546.8	546.6	546.5	546.6	546.8	547.0	547.2	547.4
152.5°	560.7	560.2	559.7	559.2	558.7	558.4	558.5	558.7	558.9	559.1	559.3
155°	571.7	571.1	570.5	569.8	569.2	568.9	569.0	569.2	569.4	569.6	569.8
157.5°	580.3	580.0	579.7	579.4	579.1	579.0	579.0	579.0	579.0	579.0	579.0
160°	589.5	588.9	588.3	587.6	587.0	586.7	586.8	586.9	587.0	587.1	587.2
162.5°	596.8	596.2	595.6	595.0	594.4	594.1	594.1	594.2	594.3	594.4	594.5
165°	603.2	602.6	602.0	601.4	600.8	600.5	600.5	600.6	600.7	600.8	600.9
167.5°	608.2	607.6	607.0	606.4	605.8	605.5	605.6	605.7	605.8	605.9	606.0
170°	612.4	611.7	611.0	610.3	609.6	609.2	609.2	609.3	609.4	609.5	609.6
172.5°	615.1	614.4	613.7	613.0	612.3	611.9	612.0	612.2	612.4	612.6	612.8
175°	616.9	616.3	615.7	615.1	614.5	614.2	614.2	614.3	614.4	614.5	614.6
177.5°	618.3	617.7	617.1	616.5	615.9	615.6	615.6	615.7	615.8	615.9	616.0
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9
2.5°	1653.3	1662.7	1670.8	1677.5	1682.9	1690.9	1685.6	1686.9	1689.6	1694.9	1694.9
5°	1760.7	1775.5	1783.5	1810.4	1817.1	1815.7	1811.7	1833.2	1831.8	1823.8	1822.4
7.5°	1865.4	1890.9	1913.7	1935.2	1941.9	1959.3	1963.3	1972.7	1970.1	1983.5	1976.8
10°	1960.7	2000.9	2022.4	2054.6	2062.7	2070.7	2081.4	2086.8	2098.9	2097.5	2097.5
12.5°	2034.5	2082.8	2111.0	2119.0	2149.9	2159.3	2168.7	2186.1	2182.1	2183.4	2191.5
15°	2092.2	2139.1	2163.3	2200.9	2222.4	2233.1	2249.2	2268.0	2265.3	2277.4	2274.7
17.5°	2135.1	2179.4	2223.7	2280.1	2281.4	2309.6	2347.2	2355.2	2372.7	2360.6	2360.6
20°	2170.0	2229.1	2292.1	2364.6	2372.7	2390.1	2435.7	2466.6	2486.7	2480.0	2484.0
22.5°	2207.6	2292.1	2365.9	2438.4	2477.3	2508.2	2552.5	2600.8	2618.2	2629.0	2626.3
25°	2255.9	2344.5	2453.2	2553.8	2594.1	2653.1	2712.2	2759.1	2772.6	2802.1	2775.3
27.5°	2305.6	2430.4	2565.9	2684.0	2735.0	2783.3	2854.4	2889.3	2906.8	2920.2	2910.8
30°	2347.2	2518.9	2666.6	2775.3	2811.5	2839.7	2879.9	2888.0	2881.3	2892.0	2905.4
32.5°	2411.6	2579.3	2704.1	2756.5	2752.4	2751.1	2720.2	2677.3	2667.9	2642.4	2677.3
35°	2446.5	2580.7	2629.0	2559.2	2531.0	2480.0	2382.0	2317.6	2261.3	2249.2	2251.9
37.5°	2426.3	2478.7	2421.0	2237.1	2191.5	2113.6	1983.5	1892.2	1850.6	1818.4	1860.0
40°	2317.6	2259.9	2101.6	1877.5	1811.7	1737.9	1615.8	1566.1	1507.1	1495.0	1550.0
42.5°	2137.8	1962.0	1737.9	1564.8	1496.3	1454.7	1352.7	1305.8	1264.2	1245.4	1276.2
45°	1893.6	1680.2	1454.7	1312.5	1254.8	1205.1	1144.7	1095.1	1068.2	1060.2	1085.7
47.5°	1641.3	1415.8	1236.0	1130.0	1069.6	1032.0	975.6	947.5	926.0	928.7	932.7
50°	1399.7	1194.4	1056.2	950.1	920.6	891.1	853.5	829.4	818.6	822.6	820.0
52.5°	1191.7	1025.3	908.5	826.7	813.3	785.1	754.2	734.1	730.0	731.4	735.4
55°	1009.2	879.0	786.4	727.4	712.6	692.5	673.7	660.3	649.5	653.6	652.2
57.5°	871.0	756.9	685.8	637.4	626.7	614.6	597.2	590.5	586.5	578.4	585.1
60°	748.8	656.2	594.5	565.0	555.6	547.5	528.7	520.7	518.0	514.0	524.7
62.5°	633.4	567.7	520.7	493.9	484.5	476.4	467.0	460.3	461.6	456.3	461.6
65°	542.2	488.5	454.9	430.8	418.7	413.3	412.0	401.3	399.9	401.3	402.6
67.5°	457.6	412.0	386.5	371.7	362.3	357.0	352.9	346.2	351.6	347.6	350.3
70°	381.1	350.3	323.4	308.7	304.6	306.0	299.3	296.6	297.9	295.2	297.9
72.5°	307.3	281.8	271.1	260.3	255.0	253.6	249.6	245.6	249.6	248.3	248.3
75°	245.6	226.8	214.7	208.0	208.0	205.3	198.6	198.6	198.6	197.3	198.6
77.5°	189.2	173.1	167.7	161.0	161.0	157.0	155.7	155.7	153.0	157.0	154.3
80°	140.9	128.8	120.8	116.8	116.8	115.4	112.7	111.4	112.7	111.4	111.4
82.5°	91.3	85.9	81.9	77.8	76.5	77.8	76.5	73.8	75.2	73.8	76.5
85°	52.3	47.0	47.0	44.3	45.6	42.9	44.3	41.6	40.3	44.3	41.6
87.5°	22.8	21.5	21.5	18.8	18.8	18.8	17.4	18.8	17.4	16.1	17.4
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°	8.4	8.6	8.8	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.5
100°	64.4	49.3	34.1	19.0	11.4	11.2	10.8	10.4	10.0	9.6	10.0
102.5°	107.2	107.4	107.6	107.8	107.9	103.6	95.1	86.6	78.0	69.5	78.0
105°	136.3	136.3	136.3	136.3	136.3	136.2	136.1	136.0	135.9	135.8	135.9
107.5°	166.6	166.7	166.8	166.9	166.9	166.7	166.3	165.9	165.5	165.1	165.5
110°	196.3	196.0	195.7	195.4	195.3	195.3	195.4	195.5	195.6	195.7	195.6

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	225.5	225.1	224.7	224.3	224.1	224.0	223.8	223.6	223.4	223.2	223.4
115°	254.8	254.4	254.0	253.6	253.4	253.1	252.5	251.8	251.2	250.6	251.2
117.5°	283.4	282.8	282.2	281.6	281.3	281.2	281.0	280.7	280.5	280.3	280.5
120°	310.3	310.1	309.9	309.7	309.6	309.3	308.8	308.3	307.8	307.3	307.8
122.5°	336.4	336.2	336.0	335.8	335.7	335.4	334.8	334.1	333.5	332.9	333.5
125°	361.8	361.4	361.0	360.6	360.4	360.2	359.9	359.6	359.3	359.0	359.3
127.5°	384.9	384.7	384.5	384.3	384.2	383.8	383.0	382.1	381.3	380.5	381.3
130°	407.6	407.3	407.0	406.7	406.6	406.3	405.8	405.3	404.8	404.3	404.8
132.5°	428.5	428.5	428.5	428.5	428.5	428.2	427.7	427.2	426.7	426.2	426.7
135°	449.4	449.2	448.9	448.7	448.6	448.3	447.7	447.1	446.5	445.9	446.5
137.5°	468.8	468.8	468.8	468.8	468.8	468.5	468.0	467.5	467.0	466.5	467.0
140°	486.3	486.5	486.8	487.0	487.1	486.8	486.2	485.5	484.9	484.3	484.9
142.5°	504.0	504.0	504.0	504.0	504.0	503.7	503.1	502.4	501.8	501.2	501.8
145°	520.1	520.2	520.3	520.4	520.4	520.1	519.5	518.9	518.3	517.7	518.3
147.5°	534.3	534.4	534.5	534.6	534.6	534.2	533.5	532.8	532.1	531.4	532.1
150°	547.6	547.8	548.0	548.2	548.3	547.9	547.1	546.3	545.5	544.7	545.5
152.5°	559.5	559.7	559.9	560.1	560.2	559.8	559.1	558.4	557.7	557.0	557.7
155°	570.1	570.4	570.7	571.0	571.2	570.8	570.0	569.1	568.3	567.5	568.3
157.5°	579.3	579.6	579.9	580.2	580.3	579.9	579.1	578.3	577.5	576.7	577.5
160°	587.6	588.0	588.4	588.8	589.0	588.6	587.8	587.0	586.2	585.4	586.2
162.5°	595.1	595.7	596.4	597.0	597.3	596.8	595.9	595.0	594.1	593.2	594.1
165°	601.5	602.1	602.8	603.4	603.7	603.3	602.5	601.6	600.8	600.0	600.8
167.5°	606.7	607.4	608.1	608.8	609.2	608.7	607.8	606.9	605.9	605.0	605.9
170°	610.4	611.2	612.1	612.9	613.3	612.8	611.9	611.0	610.1	609.2	610.1
172.5°	613.5	614.2	614.9	615.6	616.0	615.5	614.6	613.7	612.8	611.9	612.8
175°	615.4	616.2	617.1	617.9	618.3	617.8	616.9	616.0	615.1	614.2	615.1
177.5°	616.7	617.4	618.1	618.8	619.2	618.8	618.0	617.2	616.4	615.6	616.4
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9
2.5°	1692.3	1682.9	1685.6	1682.9	1676.2	1672.1	1661.4	1648.0	1642.6	1635.9	1631.9
5°	1827.8	1821.1	1819.8	1809.0	1806.3	1790.2	1763.4	1750.0	1733.9	1717.8	1701.7
7.5°	1975.4	1967.4	1940.5	1936.5	1939.2	1919.1	1884.2	1857.3	1823.8	1801.0	1770.1
10°	2097.5	2081.4	2058.6	2060.0	2050.6	2023.7	1988.8	1960.7	1912.3	1882.8	1838.5
12.5°	2171.4	2157.9	2155.3	2141.8	2133.8	2098.9	2057.3	2021.1	1984.8	1944.6	1911.0
15°	2261.3	2243.8	2231.7	2213.0	2207.6	2171.4	2125.7	2084.1	2042.5	2004.9	1933.8
17.5°	2360.6	2341.8	2296.2	2292.1	2259.9	2225.0	2180.7	2119.0	2074.7	2021.1	1968.7
20°	2473.3	2446.5	2387.4	2372.7	2347.2	2289.5	2229.1	2160.6	2089.5	2034.5	1972.7
22.5°	2599.5	2552.5	2509.5	2462.6	2443.8	2372.7	2289.5	2206.2	2120.4	2045.2	1971.4
25°	2763.2	2701.4	2641.1	2594.1	2561.9	2469.3	2357.9	2247.8	2148.5	2050.6	1954.0
27.5°	2892.0	2838.3	2772.6	2710.8	2669.2	2559.2	2431.7	2289.5	2166.0	2046.5	1943.2
30°	2901.4	2885.3	2845.0	2811.5	2765.9	2647.8	2506.9	2345.8	2192.8	2047.9	1921.7
32.5°	2725.6	2757.8	2775.3	2780.6	2771.2	2702.8	2574.0	2396.8	2217.0	2035.8	1903.0
35°	2347.2	2433.0	2539.1	2579.3	2618.2	2654.5	2587.4	2433.0	2225.0	2033.1	1873.4
37.5°	1932.5	2010.3	2186.1	2266.6	2312.3	2455.9	2510.9	2427.7	2241.1	2035.8	1845.2
40°	1559.4	1682.9	1809.0	1917.7	1988.8	2149.9	2320.3	2339.1	2218.3	2010.3	1809.0
42.5°	1312.5	1384.9	1480.2	1580.9	1643.9	1834.5	2065.3	2200.9	2147.2	1968.7	1764.7
45°	1117.9	1171.6	1261.5	1295.0	1375.5	1558.1	1802.3	1998.2	2025.1	1903.0	1713.7
47.5°	959.5	1005.2	1062.9	1104.5	1168.9	1305.8	1512.4	1728.5	1857.3	1813.0	1642.6
50°	845.5	883.0	931.3	955.5	997.1	1120.6	1276.2	1491.0	1664.1	1678.8	1550.0
52.5°	750.2	771.6	809.2	836.1	869.6	944.8	1085.7	1262.8	1457.4	1537.9	1435.9
55°	667.0	684.4	718.0	735.4	752.9	817.3	927.3	1088.4	1270.9	1376.9	1319.2
57.5°	591.8	606.6	634.8	650.9	660.3	722.0	806.5	932.7	1096.4	1225.2	1193.0
60°	530.1	543.5	559.6	571.7	582.4	633.4	692.5	794.5	940.7	1065.5	1057.5
62.5°	464.3	476.4	493.9	505.9	515.3	547.5	597.2	675.0	799.8	915.2	938.1
65°	406.6	416.0	428.1	433.5	445.5	469.7	510.0	579.7	681.7	785.1	801.2
67.5°	354.3	357.0	365.0	377.1	379.8	401.3	437.5	489.8	569.0	653.6	679.1
70°	297.9	301.9	308.7	318.1	323.4	336.8	367.7	402.6	471.0	544.9	563.6
72.5°	248.3	253.6	256.3	261.7	264.4	285.8	299.3	334.2	381.1	442.9	463.0
75°	201.3	206.7	208.0	210.7	213.4	222.8	241.6	263.0	301.9	342.2	369.0
77.5°	159.7	158.4	161.0	165.1	163.7	171.8	183.9	202.6	228.1	261.7	279.1
80°	112.7	112.7	116.8	120.8	119.4	127.5	131.5	144.9	166.4	187.9	194.6
82.5°	75.2	75.2	79.2	79.2	81.9	83.2	88.6	95.3	112.7	123.5	127.5
85°	42.9	42.9	44.3	44.3	44.3	47.0	51.0	53.7	59.0	65.8	68.4
87.5°	17.4	18.8	18.8	18.8	18.8	21.5	21.5	24.2	25.5	28.2	28.2
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	15.0
97.5°	9.4	9.3	9.2	9.1	9.0	8.8	8.6	8.4	8.2	17.9	27.5
100°	10.4	10.8	11.2	11.4	19.0	34.1	49.3	64.4	79.6	79.2	78.8
102.5°	86.6	95.1	103.6	107.9	107.8	107.6	107.4	107.2	107.0	106.8	106.6
105°	136.0	136.1	136.2	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3
107.5°	165.9	166.3	166.7	166.9	166.9	166.8	166.7	166.6	166.5	166.3	166.1
110°	195.5	195.4	195.3	195.3	195.4	195.7	196.0	196.3	196.6	196.4	196.2

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	223.6	223.8	224.0	224.1	224.3	224.7	225.1	225.5	225.9	225.8	225.7
115°	251.8	252.5	253.1	253.4	253.6	254.0	254.4	254.8	255.2	255.1	255.0
117.5°	280.7	281.0	281.2	281.3	281.6	282.2	282.8	283.4	284.0	283.6	283.2
120°	308.3	308.8	309.3	309.6	309.7	309.9	310.1	310.3	310.5	310.2	309.9
122.5°	334.1	334.8	335.4	335.7	335.8	336.0	336.2	336.4	336.6	336.5	336.4
125°	359.6	359.9	360.2	360.4	360.6	361.0	361.4	361.8	362.2	362.2	362.2
127.5°	382.1	383.0	383.8	384.2	384.3	384.5	384.7	384.9	385.1	385.2	385.3
130°	405.3	405.8	406.3	406.6	406.7	407.0	407.3	407.6	407.9	407.8	407.7
132.5°	427.2	427.7	428.2	428.5	428.5	428.5	428.5	428.5	428.5	428.8	429.1
135°	447.1	447.7	448.3	448.6	448.7	448.9	449.2	449.4	449.6	449.8	450.0
137.5°	467.5	468.0	468.5	468.8	468.8	468.8	468.8	468.8	468.8	469.0	469.2
140°	485.5	486.2	486.8	487.1	487.0	486.8	486.5	486.3	486.1	486.2	486.3
142.5°	502.4	503.1	503.7	504.0	504.0	504.0	504.0	504.0	504.0	503.8	503.6
145°	518.9	519.5	520.1	520.4	520.4	520.3	520.2	520.1	520.0	520.0	520.0
147.5°	532.8	533.5	534.2	534.6	534.6	534.5	534.4	534.3	534.2	534.1	534.0
150°	546.3	547.1	547.9	548.3	548.2	548.0	547.8	547.6	547.4	547.2	547.0
152.5°	558.4	559.1	559.8	560.2	560.1	559.9	559.7	559.5	559.3	559.1	558.9
155°	569.1	570.0	570.8	571.2	571.0	570.7	570.4	570.1	569.8	569.6	569.4
157.5°	578.3	579.1	579.9	580.3	580.2	579.9	579.6	579.3	579.0	579.0	579.0
160°	587.0	587.8	588.6	589.0	588.8	588.4	588.0	587.6	587.2	587.1	587.0
162.5°	595.0	595.9	596.8	597.3	597.0	596.4	595.7	595.1	594.5	594.4	594.3
165°	601.6	602.5	603.3	603.7	603.4	602.8	602.1	601.5	600.9	600.8	600.7
167.5°	606.9	607.8	608.7	609.2	608.8	608.1	607.4	606.7	606.0	605.9	605.8
170°	611.0	611.9	612.8	613.3	612.9	612.1	611.2	610.4	609.6	609.5	609.4
172.5°	613.7	614.6	615.5	616.0	615.6	614.9	614.2	613.5	612.8	612.6	612.4
175°	616.0	616.9	617.8	618.3	617.9	617.1	616.2	615.4	614.6	614.5	614.4
177.5°	617.2	618.0	618.8	619.2	618.8	618.1	617.4	616.7	616.0	615.9	615.8
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9
2.5°	1626.5	1619.8	1611.7	1611.7	1602.3	1598.3	1590.3	1587.6	1580.9	1570.1	1562.1
5°	1684.2	1666.8	1656.0	1646.6	1626.5	1611.7	1597.0	1580.9	1564.8	1546.0	1524.5
7.5°	1740.6	1708.4	1693.6	1677.5	1648.0	1617.1	1587.6	1566.1	1544.6	1515.1	1488.3
10°	1799.6	1759.4	1732.5	1711.0	1665.4	1626.5	1583.6	1552.7	1519.1	1481.6	1446.7
12.5°	1849.3	1796.9	1774.1	1733.9	1681.5	1634.6	1580.9	1533.9	1489.6	1445.3	1402.4
15°	1890.9	1841.2	1784.9	1768.8	1696.3	1629.2	1568.8	1508.4	1453.4	1409.1	1359.4
17.5°	1904.3	1841.2	1813.0	1774.1	1688.2	1618.5	1542.0	1476.2	1423.9	1358.1	1319.2
20°	1908.3	1847.9	1809.0	1772.8	1696.3	1603.7	1528.5	1448.0	1384.9	1319.2	1257.5
22.5°	1897.6	1826.5	1788.9	1754.0	1668.1	1588.9	1501.7	1413.1	1339.3	1278.9	1217.2
25°	1877.5	1794.3	1758.0	1720.4	1638.6	1551.4	1456.1	1371.5	1303.1	1230.6	1170.2
27.5°	1850.6	1755.3	1713.7	1674.8	1594.3	1512.4	1422.5	1335.3	1258.8	1182.3	1125.9
30°	1817.1	1707.0	1669.4	1618.5	1540.6	1462.8	1380.9	1293.7	1207.8	1135.3	1073.6
32.5°	1774.1	1658.7	1609.1	1560.7	1476.2	1405.1	1327.2	1245.4	1162.2	1091.0	1026.6
35°	1735.2	1603.7	1548.7	1500.4	1406.4	1331.3	1266.8	1190.4	1116.5	1042.7	985.0
37.5°	1682.9	1548.7	1482.9	1433.3	1338.0	1261.5	1201.1	1142.0	1064.2	993.1	939.4
40°	1627.8	1480.2	1418.5	1368.8	1269.5	1186.3	1128.6	1076.3	1013.2	947.5	891.1
42.5°	1578.2	1414.5	1348.7	1288.3	1187.7	1113.9	1054.8	1014.6	956.8	897.8	846.8
45°	1515.1	1344.7	1273.6	1210.5	1113.9	1033.3	977.0	944.8	901.8	844.1	799.8
47.5°	1450.7	1269.5	1195.7	1134.0	1029.3	958.2	903.2	872.3	842.8	797.1	752.9
50°	1366.2	1190.4	1123.3	1052.1	948.8	876.3	830.7	799.8	777.0	744.8	707.2
52.5°	1273.6	1108.5	1036.0	974.3	872.3	806.5	754.2	736.8	713.9	689.8	657.6
55°	1175.6	1019.9	950.1	889.7	795.8	728.7	685.8	667.0	649.5	630.7	609.3
57.5°	1077.6	927.3	861.6	807.9	720.7	656.2	621.3	595.8	583.8	573.0	555.6
60°	955.5	828.0	777.0	728.7	642.8	583.8	550.2	531.4	520.7	515.3	507.3
62.5°	848.1	743.5	687.1	640.1	571.7	519.4	487.1	472.4	463.0	460.3	450.9
65°	734.1	644.2	599.9	559.6	500.6	453.6	426.8	409.3	402.6	401.3	401.3
67.5°	626.7	554.2	510.0	481.8	430.8	389.2	363.7	357.0	352.9	347.6	346.2
70°	526.1	468.4	429.4	405.3	359.7	328.8	308.7	297.9	297.9	293.9	291.2
72.5°	437.5	379.8	354.3	334.2	296.6	269.7	255.0	252.3	242.9	241.6	241.6
75°	342.2	299.3	281.8	264.4	236.2	217.4	205.3	198.6	193.2	193.2	194.6
77.5°	257.7	228.1	212.0	198.6	178.5	166.4	157.0	154.3	149.0	149.0	149.0
80°	182.5	166.4	154.3	143.6	128.8	118.1	112.7	107.4	107.4	106.0	107.4
82.5°	118.1	104.7	98.0	96.6	83.2	79.2	72.5	73.8	69.8	68.4	71.1
85°	68.4	61.7	53.7	51.0	45.6	40.3	37.6	38.9	37.6	36.2	37.6
87.5°	26.8	22.8	21.5	21.5	17.4	16.1	14.8	16.1	13.4	13.4	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°	18.9	22.8	24.7	24.9	25.2	25.5	25.8	26.1	25.8	25.5	25.2
97.5°	37.2	46.9	51.7	51.4	50.8	50.1	49.5	48.9	49.5	50.1	50.8
100°	78.3	77.9	77.7	77.6	77.3	77.0	76.7	76.4	76.7	77.0	77.3
102.5°	106.4	106.2	106.1	105.9	105.5	105.1	104.7	104.3	104.7	105.1	105.5
105°	136.3	136.3	136.3	136.1	135.7	135.3	134.9	134.5	134.9	135.3	135.7
107.5°	165.9	165.7	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6
110°	196.0	195.8	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	225.6	225.5	225.5	225.3	225.0	224.7	224.4	224.1	224.4	224.7	225.0
115°	254.9	254.8	254.7	254.4	253.9	253.4	252.9	252.4	252.9	253.4	253.9
117.5°	282.8	282.4	282.2	282.2	282.2	282.2	282.2	282.2	282.2	282.2	282.2
120°	309.6	309.3	309.2	309.2	309.3	309.4	309.5	309.6	309.5	309.4	309.3
122.5°	336.3	336.2	336.1	335.8	335.3	334.8	334.3	333.8	334.3	334.8	335.3
125°	362.2	362.2	362.2	361.8	361.1	360.4	359.7	359.0	359.7	360.4	361.1
127.5°	385.4	385.5	385.5	385.2	384.7	384.2	383.7	383.2	383.7	384.2	384.7
130°	407.6	407.5	407.5	407.2	406.7	406.2	405.7	405.2	405.7	406.2	406.7
132.5°	429.4	429.7	429.9	429.6	429.0	428.3	427.7	427.1	427.7	428.3	429.0
135°	450.2	450.4	450.5	450.2	449.6	448.9	448.3	447.7	448.3	448.9	449.6
137.5°	469.4	469.6	469.7	469.4	468.8	468.1	467.5	466.9	467.5	468.1	468.8
140°	486.4	486.5	486.6	486.5	486.3	486.1	485.9	485.7	485.9	486.1	486.3
142.5°	503.4	503.2	503.1	503.0	502.9	502.8	502.7	502.6	502.7	502.8	502.9
145°	520.0	520.0	520.0	519.9	519.7	519.5	519.3	519.1	519.3	519.5	519.7
147.5°	533.9	533.8	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7
150°	546.8	546.6	546.5	546.6	546.8	547.0	547.2	547.4	547.2	547.0	546.8
152.5°	558.7	558.5	558.4	558.7	559.2	559.7	560.2	560.7	560.2	559.7	559.2
155°	569.2	569.0	568.9	569.2	569.8	570.5	571.1	571.7	571.1	570.5	569.8
157.5°	579.0	579.0	579.0	579.1	579.4	579.7	580.0	580.3	580.0	579.7	579.4
160°	586.9	586.8	586.7	587.0	587.6	588.3	588.9	589.5	588.9	588.3	587.6
162.5°	594.2	594.1	594.1	594.4	595.0	595.6	596.2	596.8	596.2	595.6	595.0
165°	600.6	600.5	600.5	600.8	601.4	602.0	602.6	603.2	602.6	602.0	601.4
167.5°	605.7	605.6	605.5	605.8	606.4	607.0	607.6	608.2	607.6	607.0	606.4
170°	609.3	609.2	609.2	609.6	610.3	611.0	611.7	612.4	611.7	611.0	610.3
172.5°	612.2	612.0	611.9	612.3	613.0	613.7	614.4	615.1	614.4	613.7	613.0
175°	614.3	614.2	614.2	614.5	615.1	615.7	616.3	616.9	616.3	615.7	615.1
177.5°	615.7	615.6	615.6	615.9	616.5	617.1	617.7	618.3	617.7	617.1	616.5
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9
2.5°	1559.4	1556.7	1550.0	1546.0	1532.6	1516.5	1511.1	1497.7	1503.0	1493.6	1493.6
5°	1517.8	1505.7	1497.7	1485.6	1460.1	1442.6	1423.9	1414.5	1409.1	1402.4	1397.0
7.5°	1464.1	1454.7	1446.7	1423.9	1395.7	1371.5	1348.7	1339.3	1321.9	1309.8	1304.4
10°	1417.2	1403.7	1384.9	1358.1	1328.6	1297.7	1277.6	1257.5	1244.0	1237.3	1222.6
12.5°	1368.8	1352.7	1332.6	1293.7	1261.5	1242.7	1206.5	1187.7	1181.0	1175.6	1158.1
15°	1319.2	1301.7	1277.6	1241.3	1213.2	1168.9	1147.4	1132.6	1116.5	1115.2	1101.8
17.5°	1274.9	1253.4	1233.3	1189.0	1154.1	1115.2	1103.1	1087.0	1072.3	1056.2	1049.4
20°	1218.5	1198.4	1183.6	1135.3	1096.4	1072.3	1052.1	1038.7	1029.3	1013.2	1010.5
22.5°	1167.5	1146.1	1125.9	1089.7	1056.2	1025.3	1001.1	986.4	982.3	975.6	963.6
25°	1117.9	1096.4	1072.3	1038.7	1003.8	982.3	960.9	951.5	943.4	932.7	923.3
27.5°	1076.3	1056.2	1033.3	991.7	962.2	946.1	923.3	912.6	901.8	896.5	892.4
30°	1026.6	1003.8	986.4	954.2	922.0	900.5	884.4	875.0	865.6	860.2	857.5
32.5°	978.3	956.8	944.8	909.9	884.4	858.9	846.8	840.1	834.7	829.4	824.0
35°	939.4	917.9	899.1	866.9	841.4	824.0	814.6	803.9	799.8	794.5	794.5
37.5°	891.1	875.0	856.2	825.3	802.5	789.1	781.0	767.6	766.3	763.6	759.6
40°	849.5	833.4	815.9	789.1	769.0	752.9	742.1	735.4	731.4	728.7	726.0
42.5°	805.2	787.8	779.7	748.8	731.4	715.3	709.9	703.2	701.9	696.5	689.8
45°	762.3	747.5	731.4	708.6	693.8	680.4	672.3	667.0	660.3	658.9	654.9
47.5°	724.7	707.2	692.5	671.0	654.9	644.2	637.4	630.7	625.4	621.3	617.3
50°	676.4	662.9	650.9	628.1	614.6	603.9	594.5	589.1	583.8	583.8	583.8
52.5°	629.4	617.3	606.6	590.5	574.4	565.0	554.2	550.2	547.5	543.5	547.5
55°	583.8	571.7	561.0	548.9	530.1	522.0	511.3	507.3	508.6	508.6	512.6
57.5°	535.5	526.1	519.4	504.6	487.1	479.1	472.4	468.4	468.4	473.7	475.1
60°	488.5	479.1	467.0	453.6	442.9	433.5	429.4	430.8	430.8	433.5	440.2
62.5°	436.1	430.8	424.1	405.3	398.6	391.9	386.5	390.5	389.2	395.9	405.3
65°	387.8	382.5	373.1	363.7	355.6	348.9	347.6	348.9	351.6	358.3	369.0
67.5°	334.2	334.2	326.1	318.1	311.3	304.6	306.0	307.3	310.0	318.1	334.2
70°	289.9	284.5	276.5	271.1	265.7	263.0	260.3	265.7	273.8	279.1	291.2
72.5°	241.6	237.5	230.8	225.5	224.1	221.4	220.1	222.8	230.8	240.2	253.6
75°	190.6	191.9	187.9	183.9	183.9	179.8	182.5	182.5	190.6	200.0	210.7
77.5°	147.6	146.3	144.9	142.3	140.9	140.9	140.9	143.6	151.6	157.0	167.7
80°	104.7	106.0	102.0	103.3	102.0	103.3	103.3	108.7	112.7	119.4	127.5
82.5°	69.8	69.8	67.1	68.4	68.4	68.4	69.8	72.5	77.8	83.2	88.6
85°	38.9	40.3	37.6	40.3	40.3	40.3	41.6	42.9	47.0	48.3	53.7
87.5°	14.8	17.4	17.4	14.8	16.1	17.4	18.8	17.4	20.1	22.8	24.2
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°	24.9	24.7	22.8	18.9	15.0	11.2	7.3	7.8	8.3	8.8	9.3
97.5°	51.4	51.7	46.9	37.2	27.5	17.9	8.2	8.4	8.6	8.8	9.0
100°	77.6	77.7	77.9	78.3	78.8	79.2	79.6	64.4	49.3	34.1	19.0
102.5°	105.9	106.1	106.2	106.4	106.6	106.8	107.0	107.2	107.4	107.6	107.8
105°	136.1	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3
107.5°	165.6	165.6	165.7	165.9	166.1	166.3	166.5	166.6	166.7	166.8	166.9
110°	195.7	195.7	195.8	196.0	196.2	196.4	196.6	196.3	196.0	195.7	195.4

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	225.3	225.5	225.5	225.6	225.7	225.8	225.9	225.5	225.1	224.7	224.3
115°	254.4	254.7	254.8	254.9	255.0	255.1	255.2	254.8	254.4	254.0	253.6
117.5°	282.2	282.2	282.4	282.8	283.2	283.6	284.0	283.4	282.8	282.2	281.6
120°	309.2	309.2	309.3	309.6	309.9	310.2	310.5	310.3	310.1	309.9	309.7
122.5°	335.8	336.1	336.2	336.3	336.4	336.5	336.6	336.4	336.2	336.0	335.8
125°	361.8	362.2	362.2	362.2	362.2	362.2	362.2	361.8	361.4	361.0	360.6
127.5°	385.2	385.5	385.5	385.4	385.3	385.2	385.1	384.9	384.7	384.5	384.3
130°	407.2	407.5	407.5	407.6	407.7	407.8	407.9	407.6	407.3	407.0	406.7
132.5°	429.6	429.9	429.7	429.4	429.1	428.8	428.5	428.5	428.5	428.5	428.5
135°	450.2	450.5	450.4	450.2	450.0	449.8	449.6	449.4	449.2	448.9	448.7
137.5°	469.4	469.7	469.6	469.4	469.2	469.0	468.8	468.8	468.8	468.8	468.8
140°	486.5	486.6	486.5	486.4	486.3	486.2	486.1	486.3	486.5	486.8	487.0
142.5°	503.0	503.1	503.2	503.4	503.6	503.8	504.0	504.0	504.0	504.0	504.0
145°	519.9	520.0	520.0	520.0	520.0	520.0	520.0	520.1	520.2	520.3	520.4
147.5°	533.7	533.7	533.8	533.9	534.0	534.1	534.2	534.3	534.4	534.5	534.6
150°	546.6	546.5	546.6	546.8	547.0	547.2	547.4	547.6	547.8	548.0	548.2
152.5°	558.7	558.4	558.5	558.7	558.9	559.1	559.3	559.5	559.7	559.9	560.1
155°	569.2	568.9	569.0	569.2	569.4	569.6	569.8	570.1	570.4	570.7	571.0
157.5°	579.1	579.0	579.0	579.0	579.0	579.0	579.0	579.3	579.6	579.9	580.2
160°	587.0	586.7	586.8	586.9	587.0	587.1	587.2	587.6	588.0	588.4	588.8
162.5°	594.4	594.1	594.1	594.2	594.3	594.4	594.5	595.1	595.7	596.4	597.0
165°	600.8	600.5	600.5	600.6	600.7	600.8	600.9	601.5	602.1	602.8	603.4
167.5°	605.8	605.5	605.6	605.7	605.8	605.9	606.0	606.7	607.4	608.1	608.8
170°	609.6	609.2	609.2	609.3	609.4	609.5	609.6	610.4	611.2	612.1	612.9
172.5°	612.3	611.9	612.0	612.2	612.4	612.6	612.8	613.5	614.2	614.9	615.6
175°	614.5	614.2	614.2	614.3	614.4	614.5	614.6	615.4	616.2	617.1	617.9
177.5°	615.9	615.6	615.6	615.7	615.8	615.9	616.0	616.7	617.4	618.1	618.8
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9
2.5°	1499.0	1489.6	1488.3	1491.0	1485.6	1493.6	1491.0	1493.6	1486.9	1493.6	1489.6
5°	1395.7	1393.0	1387.6	1380.9	1382.3	1383.6	1390.3	1383.6	1389.0	1390.3	1397.0
7.5°	1299.1	1293.7	1297.7	1295.0	1283.0	1280.3	1283.0	1287.0	1295.0	1300.4	1304.4
10°	1221.2	1218.5	1213.2	1209.1	1202.4	1198.4	1203.8	1198.4	1209.1	1218.5	1218.5
12.5°	1162.2	1151.4	1144.7	1143.4	1128.6	1131.3	1136.7	1140.7	1152.8	1158.1	1158.1
15°	1100.4	1092.4	1089.7	1084.3	1079.0	1084.3	1081.7	1085.7	1091.0	1096.4	1099.1
17.5°	1046.8	1045.4	1046.8	1033.3	1037.4	1030.7	1032.0	1038.7	1034.7	1038.7	1046.8
20°	998.4	1001.1	997.1	991.7	991.7	983.7	993.1	990.4	991.7	999.8	1011.9
22.5°	962.2	960.9	956.8	952.8	947.5	948.8	950.1	947.5	958.2	964.9	966.2
25°	923.3	920.6	919.3	915.2	909.9	915.2	913.9	915.2	917.9	928.7	920.6
27.5°	887.1	881.7	884.4	880.4	879.0	880.4	880.4	881.7	884.4	885.7	887.1
30°	856.2	850.8	849.5	846.8	845.5	846.8	849.5	846.8	857.5	856.2	856.2
32.5°	822.6	818.6	815.9	815.9	814.6	813.3	814.6	815.9	824.0	818.6	824.0
35°	790.4	787.8	787.8	785.1	783.7	783.7	783.7	789.1	786.4	790.4	790.4
37.5°	759.6	759.6	758.2	755.5	754.2	755.5	754.2	756.9	755.5	756.9	758.2
40°	727.4	724.7	723.3	723.3	719.3	715.3	719.3	719.3	720.7	724.7	726.0
42.5°	688.4	689.8	689.8	684.4	684.4	684.4	685.8	687.1	687.1	689.8	689.8
45°	654.9	652.2	652.2	652.2	649.5	650.9	653.6	653.6	653.6	653.6	650.9
47.5°	617.3	617.3	618.7	618.7	622.7	621.3	621.3	620.0	617.3	617.3	618.7
50°	582.4	586.5	587.8	587.8	589.1	590.5	590.5	587.8	586.5	582.4	582.4
52.5°	548.9	551.6	554.2	558.3	561.0	559.6	559.6	556.9	551.6	550.2	548.9
55°	512.6	516.7	522.0	526.1	530.1	531.4	531.4	526.1	520.7	514.0	514.0
57.5°	479.1	483.1	492.5	496.5	501.9	501.9	499.2	495.2	487.1	481.8	477.8
60°	445.5	452.3	459.0	467.0	473.7	475.1	471.0	465.7	456.3	449.6	444.2
62.5°	409.3	416.0	429.4	437.5	442.9	442.9	442.9	436.1	424.1	414.7	406.6
65°	374.4	381.1	393.2	403.9	408.0	412.0	408.0	401.3	391.9	381.1	373.1
67.5°	338.2	346.2	358.3	366.4	371.7	375.8	373.1	367.7	355.6	340.9	335.5
70°	297.9	301.9	319.4	327.4	335.5	338.2	335.5	327.4	315.4	299.3	293.9
72.5°	260.3	264.4	280.5	287.2	293.9	296.6	292.6	287.2	276.5	261.7	255.0
75°	217.4	224.1	232.2	242.9	251.0	253.6	249.6	245.6	232.2	222.8	217.4
77.5°	171.8	178.5	189.2	198.6	206.7	205.3	200.0	201.3	186.5	175.8	171.8
80°	130.2	135.5	143.6	151.6	155.7	155.7	154.3	149.0	143.6	135.5	128.8
82.5°	89.9	96.6	103.3	108.7	108.7	110.0	107.4	106.0	100.6	93.9	92.6
85°	53.7	55.0	60.4	60.4	65.8	63.1	61.7	65.8	60.4	56.4	55.0
87.5°	24.2	22.8	24.2	24.2	22.8	25.5	25.5	24.2	25.5	24.2	24.2
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°	9.1	9.2	9.3	9.4	9.5	9.6	9.5	9.4	9.3	9.2	9.1
100°	11.4	11.2	10.8	10.4	10.0	9.6	10.0	10.4	10.8	11.2	11.4
102.5°	107.9	103.6	95.1	86.6	78.0	69.5	78.0	86.6	95.1	103.6	107.9
105°	136.3	136.2	136.1	136.0	135.9	135.8	135.9	136.0	136.1	136.2	136.3
107.5°	166.9	166.7	166.3	165.9	165.5	165.1	165.5	165.9	166.3	166.7	166.9
110°	195.3	195.3	195.4	195.5	195.6	195.7	195.6	195.5	195.4	195.3	195.3

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	224.1	224.0	223.8	223.6	223.4	223.2	223.4	223.6	223.8	224.0	224.1
115°	253.4	253.1	252.5	251.8	251.2	250.6	251.2	251.8	252.5	253.1	253.4
117.5°	281.3	281.2	281.0	280.7	280.5	280.3	280.5	280.7	281.0	281.2	281.3
120°	309.6	309.3	308.8	308.3	307.8	307.3	307.8	308.3	308.8	309.3	309.6
122.5°	335.7	335.4	334.8	334.1	333.5	332.9	333.5	334.1	334.8	335.4	335.7
125°	360.4	360.2	359.9	359.6	359.3	359.0	359.3	359.6	359.9	360.2	360.4
127.5°	384.2	383.8	383.0	382.1	381.3	380.5	381.3	382.1	383.0	383.8	384.2
130°	406.6	406.3	405.8	405.3	404.8	404.3	404.8	405.3	405.8	406.3	406.6
132.5°	428.5	428.2	427.7	427.2	426.7	426.2	426.7	427.2	427.7	428.2	428.5
135°	448.6	448.3	447.7	447.1	446.5	445.9	446.5	447.1	447.7	448.3	448.6
137.5°	468.8	468.5	468.0	467.5	467.0	466.5	467.0	467.5	468.0	468.5	468.8
140°	487.1	486.8	486.2	485.5	484.9	484.3	484.9	485.5	486.2	486.8	487.1
142.5°	504.0	503.7	503.1	502.4	501.8	501.2	501.8	502.4	503.1	503.7	504.0
145°	520.4	520.1	519.5	518.9	518.3	517.7	518.3	518.9	519.5	520.1	520.4
147.5°	534.6	534.2	533.5	532.8	532.1	531.4	532.1	532.8	533.5	534.2	534.6
150°	548.3	547.9	547.1	546.3	545.5	544.7	545.5	546.3	547.1	547.9	548.3
152.5°	560.2	559.8	559.1	558.4	557.7	557.0	557.7	558.4	559.1	559.8	560.2
155°	571.2	570.8	570.0	569.1	568.3	567.5	568.3	569.1	570.0	570.8	571.2
157.5°	580.3	579.9	579.1	578.3	577.5	576.7	577.5	578.3	579.1	579.9	580.3
160°	589.0	588.6	587.8	587.0	586.2	585.4	586.2	587.0	587.8	588.6	589.0
162.5°	597.3	596.8	595.9	595.0	594.1	593.2	594.1	595.0	595.9	596.8	597.3
165°	603.7	603.3	602.5	601.6	600.8	600.0	600.8	601.6	602.5	603.3	603.7
167.5°	609.2	608.7	607.8	606.9	605.9	605.0	605.9	606.9	607.8	608.7	609.2
170°	613.3	612.8	611.9	611.0	610.1	609.2	610.1	611.0	611.9	612.8	613.3
172.5°	616.0	615.5	614.6	613.7	612.8	611.9	612.8	613.7	614.6	615.5	616.0
175°	618.3	617.8	616.9	616.0	615.1	614.2	615.1	616.0	616.9	617.8	618.3
177.5°	619.2	618.8	618.0	617.2	616.4	615.6	616.4	617.2	618.0	618.8	619.2
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9
2.5°	1501.7	1493.6	1503.0	1491.0	1493.6	1508.4	1507.1	1520.5	1528.5	1527.2	1533.9
5°	1402.4	1402.4	1406.4	1405.1	1418.5	1430.6	1446.7	1460.1	1474.9	1482.9	1492.3
7.5°	1304.4	1317.8	1320.5	1327.2	1343.3	1363.5	1379.6	1399.7	1421.2	1435.9	1446.7
10°	1223.9	1234.6	1245.4	1250.7	1268.2	1295.0	1317.8	1350.1	1376.9	1393.0	1407.8
12.5°	1152.8	1164.9	1170.2	1194.4	1206.5	1223.9	1256.1	1291.0	1320.5	1338.0	1350.1
15°	1101.8	1108.5	1120.6	1135.3	1147.4	1168.9	1195.7	1234.6	1262.8	1277.6	1319.2
17.5°	1058.8	1066.9	1073.6	1080.3	1099.1	1121.9	1147.4	1181.0	1217.2	1242.7	1264.2
20°	1014.6	1018.6	1026.6	1037.4	1050.8	1072.3	1095.1	1130.0	1162.2	1182.3	1210.5
22.5°	962.2	974.3	982.3	990.4	1005.2	1029.3	1050.8	1076.3	1116.5	1139.4	1168.9
25°	931.3	936.7	942.1	951.5	962.2	983.7	1007.8	1034.7	1066.9	1091.0	1116.5
27.5°	891.1	899.1	905.8	917.9	924.6	942.1	964.9	991.7	1030.7	1050.8	1072.3
30°	857.5	865.6	871.0	876.3	885.7	904.5	926.0	947.5	983.7	1009.2	1030.7
32.5°	824.0	832.0	838.7	842.8	852.2	864.2	881.7	908.5	939.4	956.8	985.0
35°	794.5	794.5	802.5	807.9	815.9	826.7	842.8	862.9	895.1	917.9	943.4
37.5°	760.9	762.3	769.0	773.0	781.0	791.8	807.9	826.7	853.5	871.0	896.5
40°	726.0	730.0	732.7	739.4	748.8	752.9	769.0	790.4	817.3	833.4	854.9
42.5°	691.1	693.8	700.5	705.9	713.9	720.7	731.4	751.5	771.6	795.8	813.3
45°	652.2	658.9	662.9	672.3	676.4	683.1	693.8	709.9	734.1	748.8	769.0
47.5°	618.7	621.3	624.0	636.1	644.2	648.2	658.9	668.3	693.8	707.2	726.0
50°	582.4	582.4	586.5	591.8	601.2	609.3	618.7	629.4	649.5	662.9	681.7
52.5°	548.9	544.9	547.5	550.2	559.6	567.7	577.1	591.8	610.6	618.7	634.8
55°	512.6	505.9	510.0	514.0	516.7	527.4	538.1	547.5	562.3	574.4	589.1
57.5°	473.7	472.4	469.7	471.0	477.8	484.5	492.5	504.6	522.0	531.4	539.5
60°	438.8	430.8	428.1	430.8	434.8	438.8	449.6	460.3	475.1	484.5	493.9
62.5°	402.6	394.5	389.2	385.2	389.2	398.6	405.3	413.3	425.4	436.1	444.2
65°	367.7	355.6	350.3	347.6	346.2	352.9	358.3	369.0	379.8	383.8	393.2
67.5°	328.8	318.1	311.3	307.3	307.3	307.3	312.7	323.4	334.2	335.5	344.9
70°	289.9	277.8	271.1	265.7	263.0	265.7	272.4	273.8	283.2	285.8	291.2
72.5°	248.3	237.5	229.5	222.8	224.1	226.8	226.8	229.5	234.8	241.6	241.6
75°	209.4	194.6	190.6	185.2	182.5	182.5	182.5	187.9	191.9	197.3	195.9
77.5°	165.1	157.0	149.0	146.3	142.3	140.9	143.6	143.6	146.3	150.3	151.6
80°	127.5	118.1	112.7	110.0	104.7	103.3	104.7	104.7	108.7	107.4	108.7
82.5°	88.6	81.9	77.8	73.8	71.1	72.5	71.1	71.1	72.5	71.1	71.1
85°	51.0	49.7	47.0	45.6	44.3	41.6	44.3	42.9	41.6	40.3	42.9
87.5°	24.2	22.8	22.8	20.1	20.1	18.8	20.1	20.1	18.8	18.8	18.8
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	15.0	18.9	22.8	24.7	24.9
97.5°	9.0	8.8	8.6	8.4	8.2	17.9	27.5	37.2	46.9	51.7	51.4
100°	19.0	34.1	49.3	64.4	79.6	79.2	78.8	78.3	77.9	77.7	77.6
102.5°	107.8	107.6	107.4	107.2	107.0	106.8	106.6	106.4	106.2	106.1	105.9
105°	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.1
107.5°	166.9	166.8	166.7	166.6	166.5	166.3	166.1	165.9	165.7	165.6	165.6
110°	195.4	195.7	196.0	196.3	196.6	196.4	196.2	196.0	195.8	195.7	195.7

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	224.3	224.7	225.1	225.5	225.9	225.8	225.7	225.6	225.5	225.5	225.3
115°	253.6	254.0	254.4	254.8	255.2	255.1	255.0	254.9	254.8	254.7	254.4
117.5°	281.6	282.2	282.8	283.4	284.0	283.6	283.2	282.8	282.4	282.2	282.2
120°	309.7	309.9	310.1	310.3	310.5	310.2	309.9	309.6	309.3	309.2	309.2
122.5°	335.8	336.0	336.2	336.4	336.6	336.5	336.4	336.3	336.2	336.1	335.8
125°	360.6	361.0	361.4	361.8	362.2	362.2	362.2	362.2	362.2	362.2	361.8
127.5°	384.3	384.5	384.7	384.9	385.1	385.2	385.3	385.4	385.5	385.5	385.2
130°	406.7	407.0	407.3	407.6	407.9	407.8	407.7	407.6	407.5	407.5	407.2
132.5°	428.5	428.5	428.5	428.5	428.5	428.8	429.1	429.4	429.7	429.9	429.6
135°	448.7	448.9	449.2	449.4	449.6	449.8	450.0	450.2	450.4	450.5	450.2
137.5°	468.8	468.8	468.8	468.8	468.8	469.0	469.2	469.4	469.6	469.7	469.4
140°	487.0	486.8	486.5	486.3	486.1	486.2	486.3	486.4	486.5	486.6	486.5
142.5°	504.0	504.0	504.0	504.0	504.0	503.8	503.6	503.4	503.2	503.1	503.0
145°	520.4	520.3	520.2	520.1	520.0	520.0	520.0	520.0	520.0	520.0	519.9
147.5°	534.6	534.5	534.4	534.3	534.2	534.1	534.0	533.9	533.8	533.7	533.7
150°	548.2	548.0	547.8	547.6	547.4	547.2	547.0	546.8	546.6	546.5	546.6
152.5°	560.1	559.9	559.7	559.5	559.3	559.1	558.9	558.7	558.5	558.4	558.7
155°	571.0	570.7	570.4	570.1	569.8	569.6	569.4	569.2	569.0	568.9	569.2
157.5°	580.2	579.9	579.6	579.3	579.0	579.0	579.0	579.0	579.0	579.0	579.1
160°	588.8	588.4	588.0	587.6	587.2	587.1	587.0	586.9	586.8	586.7	587.0
162.5°	597.0	596.4	595.7	595.1	594.5	594.4	594.3	594.2	594.1	594.1	594.4
165°	603.4	602.8	602.1	601.5	600.9	600.8	600.7	600.6	600.5	600.5	600.8
167.5°	608.8	608.1	607.4	606.7	606.0	605.9	605.8	605.7	605.6	605.5	605.8
170°	612.9	612.1	611.2	610.4	609.6	609.5	609.4	609.3	609.2	609.2	609.6
172.5°	615.6	614.9	614.2	613.5	612.8	612.6	612.4	612.2	612.0	611.9	612.3
175°	617.9	617.1	616.2	615.4	614.6	614.5	614.4	614.3	614.2	614.2	614.5
177.5°	618.8	618.1	617.4	616.7	616.0	615.9	615.8	615.7	615.6	615.6	615.9
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1580.9	1580.9	1580.9	1580.9
2.5°	1543.3	1556.7	1566.1	1583.6
5°	1508.4	1532.6	1555.4	1579.5
7.5°	1473.5	1501.7	1537.9	1568.8
10°	1434.6	1470.8	1513.8	1555.4
12.5°	1395.7	1438.6	1485.6	1540.6
15°	1348.7	1403.7	1458.8	1517.8
17.5°	1307.1	1363.5	1422.5	1496.3
20°	1260.1	1321.9	1386.3	1461.4
22.5°	1218.5	1287.0	1354.1	1433.3
25°	1171.6	1238.7	1312.5	1397.0
27.5°	1132.6	1194.4	1266.8	1358.1
30°	1085.7	1152.8	1225.2	1316.5
32.5°	1041.4	1105.8	1182.3	1272.2
35°	995.8	1061.5	1130.0	1215.9
37.5°	952.8	1009.2	1077.6	1159.5
40°	904.5	966.2	1028.0	1092.4
42.5°	860.2	916.6	974.3	1025.3
45°	810.6	858.9	913.9	955.5
47.5°	764.9	807.9	850.8	883.0
50°	719.3	752.9	785.1	813.3
52.5°	665.6	703.2	720.7	738.1
55°	617.3	638.8	654.9	672.3
57.5°	570.3	579.7	587.8	603.9
60°	508.6	519.4	528.7	540.8
62.5°	454.9	460.3	463.0	475.1
65°	403.9	402.6	409.3	416.0
67.5°	348.9	347.6	354.3	357.0
70°	295.2	293.9	295.2	301.9
72.5°	244.2	244.2	245.6	248.3
75°	197.3	197.3	198.6	201.3
77.5°	149.0	151.6	150.3	155.7
80°	108.7	106.0	108.7	111.4
82.5°	71.1	73.8	73.8	71.1
85°	40.3	40.3	40.3	40.3
87.5°	17.4	17.4	18.8	20.1
90°	2.9	2.1	1.3	0.5
92.5°	6.0	6.9	7.8	8.7
95°	25.2	25.5	25.8	26.1
97.5°	50.8	50.1	49.5	48.9
100°	77.3	77.0	76.7	76.4
102.5°	105.5	105.1	104.7	104.3
105°	135.7	135.3	134.9	134.5
107.5°	165.6	165.6	165.6	165.6
110°	195.7	195.7	195.7	195.7

TEST NUMBER: P1034361

CATALOG NUMBER: S125DIW-B1090D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	225.0	224.7	224.4	224.1
115°	253.9	253.4	252.9	252.4
117.5°	282.2	282.2	282.2	282.2
120°	309.3	309.4	309.5	309.6
122.5°	335.3	334.8	334.3	333.8
125°	361.1	360.4	359.7	359.0
127.5°	384.7	384.2	383.7	383.2
130°	406.7	406.2	405.7	405.2
132.5°	429.0	428.3	427.7	427.1
135°	449.6	448.9	448.3	447.7
137.5°	468.8	468.1	467.5	466.9
140°	486.3	486.1	485.9	485.7
142.5°	502.9	502.8	502.7	502.6
145°	519.7	519.5	519.3	519.1
147.5°	533.7	533.7	533.7	533.7
150°	546.8	547.0	547.2	547.4
152.5°	559.2	559.7	560.2	560.7
155°	569.8	570.5	571.1	571.7
157.5°	579.4	579.7	580.0	580.3
160°	587.6	588.3	588.9	589.5
162.5°	595.0	595.6	596.2	596.8
165°	601.4	602.0	602.6	603.2
167.5°	606.4	607.0	607.6	608.2
170°	610.3	611.0	611.7	612.4
172.5°	613.0	613.7	614.4	615.1
175°	615.1	615.7	616.3	616.9
177.5°	616.5	617.1	617.7	618.3
180°	616.9	616.9	616.9	616.9

(END OF REPORT)