

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: P1034719

Luminaire Tested: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034719
REPORT IS A COMBINATION OF REPORTS P1006057 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K
Description: Define 5 Regressed Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

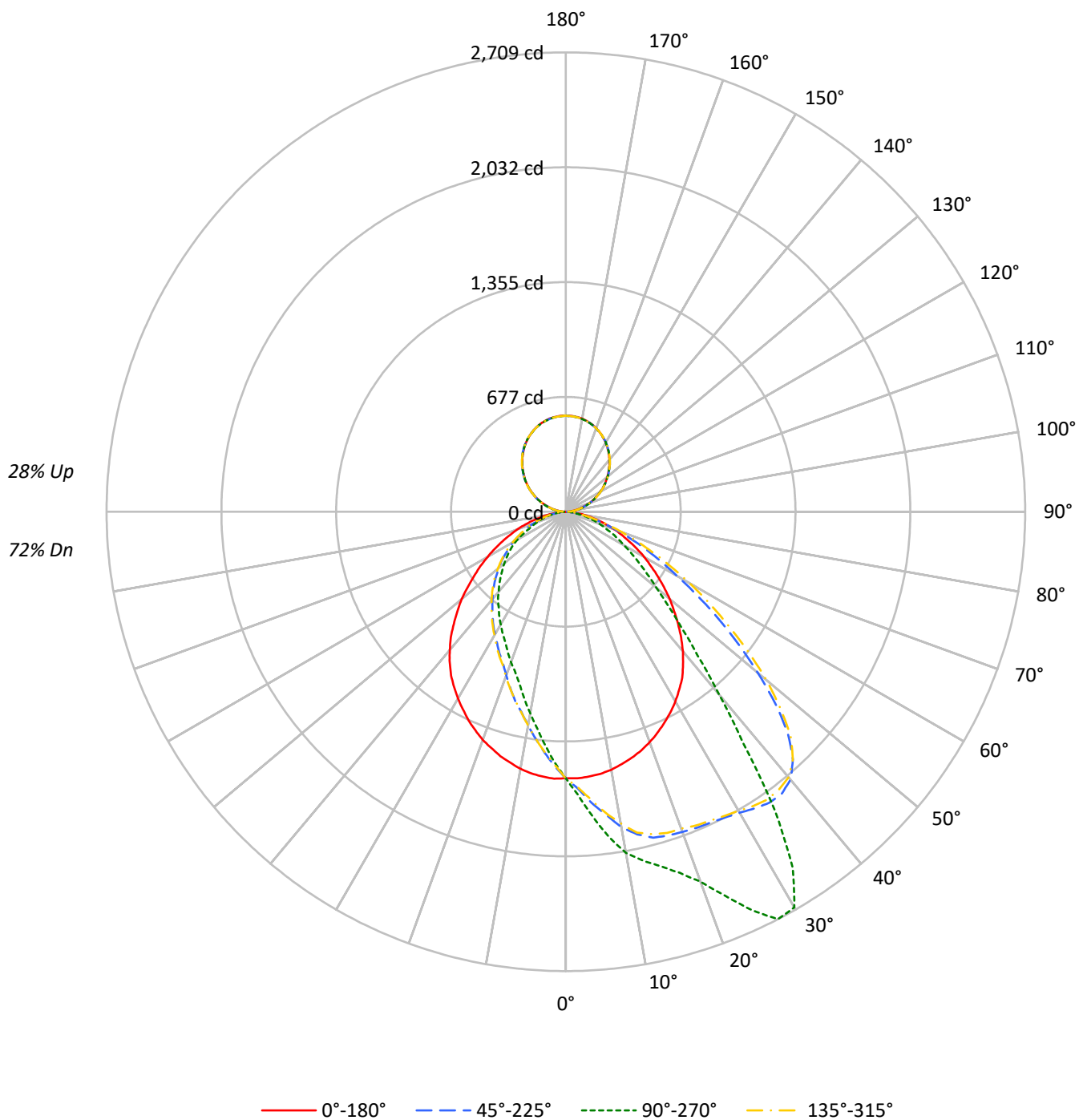
Lumens per Lamp: N/A
Luminaire Lumens: 5653.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 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				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	112	112	112	112	107	107	107	107	96	96	96	86	86	86	76	76	76
1	103	99	95	92	98	94	91	88	85	82	80	76	75	73	69	67	66
2	95	87	81	76	90	83	78	73	75	71	67	68	65	62	61	59	56
3	87	77	70	64	82	74	67	62	67	62	57	60	56	53	55	51	49
4	80	69	61	55	75	66	58	53	60	54	49	54	49	46	49	45	42
5	73	62	53	47	69	59	51	46	54	48	43	49	44	40	44	40	37
6	68	56	47	41	64	53	46	40	49	42	38	44	39	35	40	36	33
7	63	50	42	37	59	48	41	36	44	38	33	40	35	31	37	33	29
8	58	46	38	33	55	44	37	32	40	34	30	37	32	28	34	30	26
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	31	27	24
10	51	39	31	26	48	37	30	26	34	28	24	32	27	23	29	25	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10070	10070	10070	10070
5°	10061	11349	10061	8723
10°	10005	12754	9972	7541
15°	9897	13493	9829	6566
20°	9766	14566	9678	5935
25°	9594	16487	9486	5386
30°	9420	17525	9279	4994
35°	9195	14412	9066	4628
40°	8795	9787	8721	4300
45°	8270	7036	8259	3976
50°	7732	5410	7769	3677
55°	7126	4400	7112	3389
60°	6561	3605	6529	3008
65°	5905	3005	5941	2422
70°	5360	2411	5338	2017
75°	4529	1827	4529	1658
80°	3671	1115	3629	1115
85°	2584	587	2510	664

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 14334 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.7	2.7
10°-20°	441.9	7.8
20°-30°	700.6	12.4
30°-40°	846.6	15.0
40°-50°	753.8	13.3
50°-60°	578.0	10.2
60°-70°	375.4	6.6
70°-80°	182.2	3.2
80°-90°	43.7	0.8
90°-100°	37.7	0.7
100°-110°	111.9	2.0
110°-120°	189.7	3.4
120°-130°	249.7	4.4
130°-140°	279.8	5.0
140°-150°	274.3	4.9
150°-160°	230.4	4.1
160°-170°	153.1	2.7
170°-180°	53.6	0.9
0°-30°	1293.2	22.9
0°-40°	2139.8	37.9
0°-60°	3471.6	61.4
0°-90°	4072.9	72.0
90°-120°	339.2	6.0
90°-150°	1143.0	20.2
90°-180°	1580.0	27.9
0°-180°	5653.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1572	1572	1572	1572	1572	
5°	1568	1801	1568	1385	1568	149
15°	1502	2164	1492	1053	1502	424
25°	1373	2591	1358	846	1373	633
35°	1196	2150	1179	690	1196	745
45°	936	961	934	543	936	722
55°	661	528	659	406	661	592
65°	410	299	413	241	410	410
75°	200	139	200	126	200	214
85°	45	30	44	34	45	51
90°	0	11	0	11	0	5
95°	29	38	29	38	29	30
105°	100	109	100	109	100	107
115°	190	192	190	192	190	188
125°	277	279	277	279	277	248
135°	360	362	360	362	360	278
145°	437	438	437	438	437	273
155°	500	500	500	500	500	230
165°	543	542	543	542	543	153
175°	565	563	565	563	565	54
180°	566	566	566	566	566	

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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°	1573.0	1585.9	1589.8	1600.1	1611.7	1614.3	1620.8	1629.8	1634.9	1633.7	1633.7
5°	1567.8	1589.8	1605.3	1623.3	1645.3	1654.3	1662.0	1681.4	1696.9	1705.9	1721.4
7.5°	1558.8	1591.1	1616.9	1644.0	1677.5	1693.0	1709.8	1736.9	1765.3	1783.3	1800.1
10°	1544.6	1585.9	1622.0	1662.0	1707.2	1730.4	1751.1	1792.4	1827.2	1850.4	1889.2
12.5°	1524.0	1575.6	1625.9	1678.8	1735.6	1760.1	1788.5	1833.7	1882.7	1916.3	1948.5
15°	1502.0	1564.0	1618.2	1681.4	1749.8	1787.2	1823.3	1871.1	1915.0	1952.4	1989.8
17.5°	1476.2	1542.0	1609.1	1681.4	1758.8	1796.3	1827.2	1884.0	1930.5	1967.9	2001.4
20°	1445.3	1518.8	1594.9	1675.0	1753.7	1788.5	1818.2	1880.1	1921.4	1961.4	2009.2
22.5°	1411.7	1491.7	1573.0	1651.7	1729.1	1766.6	1801.4	1855.6	1900.8	1955.0	2016.9
25°	1373.0	1460.7	1543.3	1622.0	1695.6	1730.4	1761.4	1820.8	1884.0	1952.4	2022.1
27.5°	1334.3	1419.5	1499.5	1571.7	1651.7	1684.0	1715.0	1789.8	1864.6	1936.9	2032.4
30°	1291.7	1378.2	1447.8	1514.9	1592.4	1625.9	1664.6	1749.8	1835.0	1933.0	2049.2
32.5°	1244.0	1322.7	1387.2	1456.9	1526.6	1567.8	1616.9	1709.8	1807.9	1925.3	2073.7
35°	1196.2	1259.4	1318.8	1384.6	1468.5	1512.4	1560.1	1658.2	1780.8	1921.4	2094.3
37.5°	1135.6	1196.2	1242.7	1309.8	1396.2	1447.8	1495.6	1609.1	1748.5	1912.4	2093.0
40°	1073.6	1125.2	1169.1	1238.8	1333.0	1380.7	1432.4	1556.2	1715.0	1886.6	2062.1
42.5°	1006.5	1050.4	1098.1	1165.2	1256.9	1303.3	1362.7	1507.2	1668.5	1850.4	1982.1
45°	935.5	978.1	1018.1	1087.8	1179.4	1229.8	1294.3	1442.7	1611.7	1774.3	1853.0
47.5°	865.9	903.3	945.9	1006.5	1099.4	1154.9	1220.7	1379.4	1535.6	1672.4	1678.8
50°	798.8	828.4	864.6	926.5	1023.3	1076.2	1144.6	1293.0	1445.3	1539.5	1476.2
52.5°	729.1	756.2	793.6	847.8	938.1	1000.1	1059.4	1207.8	1335.6	1398.8	1282.7
55°	660.7	683.9	722.6	783.3	862.0	909.7	970.4	1108.5	1220.7	1222.0	1095.6
57.5°	593.6	614.2	646.5	700.7	774.2	829.7	885.2	1005.2	1081.4	1059.4	918.8
60°	534.2	547.1	576.8	629.7	698.1	738.1	797.5	898.1	948.5	908.4	757.5
62.5°	472.3	485.2	508.4	551.0	615.5	658.1	695.5	778.1	813.0	752.3	628.4
65°	410.4	425.8	442.6	476.2	536.8	565.2	598.8	659.4	692.9	622.0	514.9
67.5°	356.2	363.9	380.7	415.5	458.1	483.9	507.1	548.4	554.9	498.1	410.4
70°	305.8	308.4	323.9	344.5	376.8	392.3	411.6	436.2	436.2	389.7	320.0
72.5°	249.0	252.9	264.5	286.5	305.8	313.6	320.0	335.5	332.9	290.3	242.6
75°	200.0	202.6	211.6	222.0	229.7	243.9	249.0	246.5	245.2	209.0	181.9
77.5°	154.8	156.1	162.6	171.6	172.9	178.1	174.2	174.2	162.6	141.9	127.8
80°	113.6	114.8	117.4	120.0	120.0	120.0	120.0	113.6	105.8	92.9	89.0
82.5°	76.1	76.1	77.4	80.0	78.7	76.1	73.6	67.1	61.9	58.1	55.5
85°	45.2	45.2	46.5	45.2	40.0	38.7	36.1	34.8	33.6	32.3	32.3
87.5°	21.9	20.6	18.1	15.5	15.5	15.5	15.5	15.5	15.5	14.2	14.2
90°	0.4	1.2	2.0	2.8	3.6	4.0	4.3	5.0	5.7	6.3	7.0
92.5°	13.2	13.7	14.2	14.7	15.2	15.4	15.8	16.7	17.6	18.5	19.4
95°	28.6	28.8	29.0	29.2	29.4	29.5	30.0	31.0	31.9	32.9	33.9
97.5°	44.1	44.2	44.3	44.4	44.5	44.5	45.2	46.6	47.9	49.3	50.7
100°	61.7	61.7	61.7	61.7	61.7	61.7	62.3	63.6	64.9	66.1	67.4
102.5°	80.6	81.1	81.6	82.1	82.6	82.8	83.0	83.5	84.0	84.5	85.0
105°	100.5	101.0	101.5	102.0	102.5	102.7	103.0	103.6	104.1	104.7	105.3
107.5°	122.0	122.5	123.0	123.5	124.0	124.2	124.5	125.0	125.5	126.0	126.5
110°	144.5	145.0	145.5	146.0	146.5	146.7	146.8	147.1	147.4	147.7	148.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	167.4	167.6	167.8	168.0	168.2	168.3	168.5	168.9	169.3	169.7	170.1
115°	189.9	190.3	190.7	191.1	191.5	191.7	191.8	192.0	192.1	192.3	192.5
117.5°	212.8	212.9	213.0	213.1	213.2	213.2	213.3	213.5	213.7	213.9	214.1
120°	234.0	234.5	235.0	235.5	236.0	236.2	236.2	236.3	236.4	236.5	236.6
122.5°	256.9	257.0	257.1	257.2	257.3	257.3	257.4	257.7	258.0	258.3	258.6
125°	277.1	277.7	278.3	278.9	279.5	279.8	279.8	279.9	280.0	280.1	280.2
127.5°	299.6	299.9	300.2	300.5	300.8	300.9	301.0	301.1	301.2	301.3	301.4
130°	319.4	319.9	320.4	320.9	321.4	321.6	321.7	321.9	322.1	322.3	322.5
132.5°	339.3	340.2	341.0	341.9	342.8	343.2	343.2	343.1	343.0	342.9	342.8
135°	360.4	361.0	361.6	362.2	362.8	363.1	363.1	363.2	363.3	363.4	363.5
137.5°	380.2	380.8	381.4	382.0	382.6	382.9	383.0	383.2	383.4	383.6	383.8
140°	399.2	399.7	400.2	400.7	401.2	401.4	401.5	401.8	402.1	402.4	402.7
142.5°	418.1	418.5	418.9	419.3	419.7	419.9	420.1	420.5	420.8	421.2	421.6
145°	436.6	437.0	437.4	437.8	438.2	438.4	438.5	438.8	439.1	439.4	439.7
147.5°	453.8	454.1	454.4	454.7	455.0	455.1	455.2	455.4	455.6	455.8	456.0
150°	471.0	470.9	470.8	470.7	470.6	470.6	470.8	471.2	471.5	471.9	472.3
152.5°	485.1	485.3	485.5	485.7	485.9	486.0	486.0	486.1	486.2	486.3	486.4
155°	499.6	499.6	499.6	499.6	499.6	499.6	499.7	499.8	499.9	500.0	500.1
157.5°	512.9	512.7	512.5	512.3	512.1	512.0	512.0	512.1	512.2	512.3	512.4
160°	524.3	524.0	523.7	523.4	523.1	523.0	523.0	523.1	523.2	523.3	523.4
162.5°	534.4	534.2	534.0	533.9	533.7	533.6	533.6	533.6	533.6	533.6	533.6
165°	543.3	543.1	542.9	542.7	542.5	542.4	542.4	542.5	542.6	542.7	542.8
167.5°	551.2	550.8	550.4	550.0	549.6	549.4	549.4	549.4	549.4	549.4	549.4
170°	557.4	557.0	556.6	556.2	555.8	555.6	555.6	555.6	555.6	555.6	555.6
172.5°	561.8	561.4	561.0	560.6	560.2	560.0	560.0	560.0	560.0	560.0	560.0
175°	564.8	564.4	564.0	563.7	563.3	563.1	563.1	563.1	563.1	563.1	563.1
177.5°	567.0	566.6	566.2	565.9	565.5	565.3	565.2	565.1	565.0	564.9	564.8
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

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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°	1640.1	1649.1	1656.9	1653.0	1668.5	1667.2	1669.8	1675.0	1676.2	1673.7	1668.5
5°	1729.1	1742.1	1764.0	1775.6	1773.0	1783.3	1788.5	1796.3	1804.0	1801.4	1801.4
7.5°	1828.5	1846.6	1868.5	1898.2	1902.1	1911.1	1926.6	1926.6	1935.6	1931.7	1930.5
10°	1915.0	1936.9	1971.7	1995.0	2005.3	2010.5	2025.9	2031.1	2041.4	2042.7	2042.7
12.5°	1985.9	2024.7	2047.9	2071.1	2076.3	2084.0	2095.6	2103.4	2107.2	2107.2	2103.4
15°	2023.4	2054.3	2081.4	2105.9	2120.1	2126.6	2138.2	2147.2	2152.4	2164.0	2166.6
17.5°	2038.8	2076.3	2120.1	2155.0	2179.5	2186.0	2209.2	2216.9	2227.2	2232.4	2238.9
20°	2060.8	2115.0	2167.9	2210.5	2233.7	2250.5	2275.0	2311.1	2321.4	2321.4	2317.6
22.5°	2080.1	2149.8	2222.1	2290.5	2309.8	2343.4	2388.5	2427.3	2442.7	2449.2	2444.0
25°	2103.4	2198.9	2293.1	2378.2	2431.1	2455.6	2516.3	2562.8	2580.8	2591.1	2593.7
27.5°	2143.4	2263.4	2383.4	2491.8	2546.0	2574.4	2637.6	2677.6	2699.5	2708.6	2702.1
30°	2188.5	2335.6	2475.0	2571.8	2607.9	2642.8	2684.1	2699.5	2694.4	2694.4	2713.7
32.5°	2235.0	2387.3	2511.1	2574.4	2587.3	2582.1	2565.3	2518.9	2491.8	2491.8	2508.6
35°	2260.8	2392.4	2455.6	2435.0	2384.7	2355.0	2263.4	2211.8	2153.7	2149.8	2169.2
37.5°	2246.6	2303.4	2277.6	2142.1	2073.7	2016.9	1873.7	1816.9	1774.3	1715.0	1806.6
40°	2147.2	2127.9	1993.7	1798.8	1722.7	1642.7	1529.1	1472.4	1413.0	1404.0	1425.9
42.5°	1979.5	1864.6	1668.5	1480.1	1402.7	1345.9	1259.4	1204.0	1166.5	1151.0	1176.9
45°	1770.4	1589.8	1393.6	1244.0	1158.8	1129.1	1050.4	1001.4	973.0	961.4	979.4
47.5°	1514.9	1333.0	1147.2	1020.7	970.4	940.7	887.8	845.2	820.7	813.0	820.7
50°	1286.5	1099.4	943.3	862.0	816.8	792.3	748.4	721.3	702.0	696.8	709.7
52.5°	1089.1	918.8	800.1	727.8	698.1	677.5	646.5	623.3	611.7	606.5	615.5
55°	912.3	774.2	678.8	616.8	594.9	582.0	554.9	542.0	529.1	527.8	536.8
57.5°	756.2	660.7	572.9	529.1	522.6	503.3	480.0	468.4	462.0	460.7	464.5
60°	629.7	544.6	491.6	452.9	443.9	428.4	415.5	407.8	400.0	397.4	400.0
62.5°	523.9	456.8	414.2	388.4	375.5	371.6	357.4	348.4	347.1	347.1	349.7
65°	432.3	375.5	348.4	327.8	318.7	314.9	304.5	298.1	299.4	299.4	300.7
67.5°	352.3	311.0	286.5	276.1	268.4	267.1	256.8	254.2	251.6	251.6	254.2
70°	280.0	254.2	236.1	231.0	229.7	220.7	216.8	215.5	211.6	212.9	212.9
72.5°	219.4	202.6	192.3	184.5	185.8	180.7	175.5	175.5	172.9	176.8	176.8
75°	162.6	154.8	147.1	144.5	147.1	144.5	140.7	139.4	140.7	139.4	139.4
77.5°	120.0	116.1	113.6	112.3	112.3	107.1	104.5	107.1	101.9	104.5	104.5
80°	83.9	78.7	77.4	74.8	76.1	72.3	73.6	71.0	71.0	71.0	71.0
82.5°	52.9	51.6	51.6	51.6	50.3	50.3	50.3	50.3	50.3	50.3	49.0
85°	32.3	31.0	31.0	31.0	29.7	29.7	29.7	29.7	29.7	29.7	29.7
87.5°	12.9	14.2	14.2	15.5	14.2	12.9	12.9	12.9	14.2	14.2	12.9
90°	7.5	8.0	8.5	9.0	9.3	9.4	9.7	10.0	10.3	10.6	10.3
92.5°	20.1	20.8	21.5	22.2	22.5	22.6	22.8	23.0	23.2	23.4	23.2
95°	34.6	35.3	36.0	36.7	37.0	37.1	37.3	37.5	37.7	37.9	37.7
97.5°	51.3	51.9	52.4	53.0	53.3	53.4	53.5	53.6	53.7	53.8	53.7
100°	68.3	69.2	70.1	71.0	71.4	71.5	71.7	71.9	72.1	72.3	72.1
102.5°	86.0	87.0	87.9	88.9	89.4	89.6	89.9	90.2	90.5	90.8	90.5
105°	105.9	106.5	107.0	107.6	107.9	108.1	108.4	108.7	109.0	109.3	109.0
107.5°	126.8	127.1	127.4	127.7	127.8	127.8	127.8	127.8	127.8	127.8	127.8
110°	148.3	148.6	148.9	149.2	149.4	149.3	149.2	149.1	149.0	148.9	149.0

TEST NUMBER: P1034719

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	170.2	170.3	170.4	170.5	170.5	170.4	170.2	170.0	169.8	169.6	169.8
115°	192.4	192.3	192.2	192.1	192.1	192.1	192.0	191.9	191.8	191.7	191.8
117.5°	214.2	214.3	214.4	214.5	214.6	214.4	214.0	213.6	213.2	212.8	213.2
120°	236.6	236.6	236.6	236.6	236.6	236.4	236.0	235.6	235.2	234.8	235.2
122.5°	258.5	258.4	258.3	258.2	258.2	258.1	257.8	257.5	257.2	256.9	257.2
125°	280.0	279.8	279.6	279.4	279.3	279.3	279.2	279.1	279.0	278.9	279.0
127.5°	301.3	301.2	301.1	301.0	300.9	300.8	300.6	300.4	300.2	300.0	300.2
130°	322.4	322.3	322.2	322.1	322.1	322.0	321.8	321.6	321.4	321.2	321.4
132.5°	342.7	342.6	342.5	342.4	342.3	342.2	341.9	341.6	341.3	341.0	341.3
135°	363.5	363.5	363.5	363.5	363.5	363.3	362.9	362.5	362.1	361.7	362.1
137.5°	383.9	384.0	384.1	384.2	384.2	384.0	383.5	383.0	382.5	382.0	382.5
140°	402.9	403.1	403.3	403.5	403.6	403.4	402.9	402.4	401.9	401.4	401.9
142.5°	421.7	421.8	421.9	422.0	422.1	421.9	421.4	420.9	420.4	419.9	420.4
145°	439.7	439.7	439.7	439.7	439.7	439.6	439.3	439.0	438.7	438.4	438.7
147.5°	456.3	456.6	456.9	457.2	457.3	456.9	456.1	455.4	454.6	453.8	454.6
150°	472.3	472.3	472.3	472.3	472.3	472.2	472.0	471.8	471.6	471.4	471.6
152.5°	486.7	487.0	487.3	487.6	487.7	487.5	487.1	486.8	486.4	486.0	486.4
155°	500.5	500.9	501.2	501.6	501.8	501.6	501.1	500.6	500.1	499.6	500.1
157.5°	512.8	513.2	513.6	514.0	514.2	513.9	513.2	512.5	511.8	511.1	511.8
160°	523.8	524.2	524.6	525.0	525.2	525.0	524.5	524.0	523.5	523.0	523.5
162.5°	534.1	534.6	535.1	535.6	535.8	535.5	534.9	534.3	533.7	533.1	533.7
165°	543.2	543.6	544.0	544.4	544.6	544.3	543.7	543.1	542.5	541.9	542.5
167.5°	550.0	550.6	551.2	551.8	552.1	551.8	551.2	550.6	550.0	549.4	550.0
170°	556.2	556.8	557.3	557.9	558.2	557.9	557.2	556.5	555.8	555.1	555.8
172.5°	560.6	561.2	561.7	562.3	562.6	562.3	561.7	561.2	560.6	560.0	560.6
175°	563.7	564.3	564.8	565.4	565.7	565.4	564.7	564.0	563.3	562.6	563.3
177.5°	565.4	566.0	566.6	567.2	567.5	567.2	566.5	565.8	565.1	564.4	565.1
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

TEST NUMBER: P1034719

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K

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°	1675.0	1665.9	1669.8	1665.9	1662.0	1658.2	1649.1	1636.2	1625.9	1618.2	1616.9
5°	1804.0	1792.4	1784.6	1780.8	1773.0	1762.7	1745.9	1726.6	1703.3	1694.3	1676.2
7.5°	1922.7	1918.8	1900.8	1898.2	1893.0	1873.7	1845.3	1819.5	1789.8	1765.3	1742.1
10°	2035.0	2025.9	2013.0	1995.0	1992.4	1967.9	1940.8	1904.6	1865.9	1842.7	1801.4
12.5°	2104.7	2094.3	2080.1	2068.5	2062.1	2046.6	2009.2	1973.0	1938.2	1895.6	1859.5
15°	2155.0	2142.1	2116.3	2107.2	2099.5	2078.8	2051.8	2014.3	1967.9	1938.2	1886.6
17.5°	2223.4	2207.9	2182.1	2165.3	2151.1	2118.9	2080.1	2029.8	1985.9	1952.4	1905.9
20°	2302.1	2278.9	2245.3	2223.4	2202.7	2165.3	2111.1	2051.8	1988.5	1947.2	1899.5
22.5°	2432.4	2388.5	2335.6	2304.7	2276.3	2211.8	2147.2	2073.7	2002.7	1940.8	1882.7
25°	2558.9	2515.0	2449.2	2406.6	2362.7	2287.9	2202.7	2100.8	2010.5	1938.2	1862.1
27.5°	2676.3	2631.1	2570.5	2518.9	2476.3	2364.0	2251.8	2136.9	2022.1	1922.7	1845.3
30°	2703.4	2684.1	2637.6	2592.4	2553.7	2450.5	2320.2	2174.3	2036.3	1908.5	1822.1
32.5°	2539.5	2587.3	2598.9	2592.4	2567.9	2494.4	2374.4	2220.8	2056.9	1902.1	1783.3
35°	2198.9	2285.3	2374.4	2422.1	2445.3	2455.6	2384.7	2244.0	2071.1	1891.7	1757.5
37.5°	1823.3	1907.2	2047.9	2118.9	2197.6	2300.8	2329.2	2238.9	2064.7	1884.0	1716.2
40°	1498.2	1605.3	1721.4	1785.9	1854.3	2040.1	2180.8	2170.5	2044.0	1855.6	1684.0
42.5°	1219.4	1286.5	1388.5	1459.5	1543.3	1751.1	1939.5	2032.4	1982.1	1820.8	1642.7
45°	1016.8	1068.5	1140.7	1213.0	1264.6	1453.0	1676.2	1828.5	1876.3	1758.8	1579.5
47.5°	856.8	895.5	958.8	1003.9	1059.4	1207.8	1401.4	1615.6	1716.2	1671.1	1512.4
50°	734.2	765.2	815.5	843.9	893.0	1020.7	1167.8	1392.4	1544.6	1549.8	1423.3
52.5°	627.1	658.1	700.7	725.2	754.9	841.3	989.7	1179.4	1354.9	1419.5	1321.4
55°	545.8	563.9	598.8	618.1	645.2	729.1	823.3	984.6	1167.8	1273.6	1211.7
57.5°	471.0	490.4	512.3	527.8	547.1	614.2	699.4	820.7	1002.6	1117.5	1096.8
60°	410.4	422.0	442.6	454.2	472.3	516.2	575.5	696.8	841.3	949.7	961.4
62.5°	353.6	363.9	378.1	388.4	400.0	434.9	478.7	565.2	691.7	809.1	824.6
65°	304.5	313.6	321.3	330.3	339.4	361.3	398.7	465.8	563.9	673.6	707.1
67.5°	260.7	263.2	274.9	276.1	281.3	298.1	325.2	379.4	450.4	538.1	582.0
70°	218.1	223.2	225.8	229.7	234.9	246.5	268.4	296.8	349.7	420.7	462.0
72.5°	176.8	178.1	181.9	184.5	189.7	198.7	209.0	231.0	264.5	316.2	353.6
75°	140.7	141.9	144.5	145.8	149.7	152.3	157.4	172.9	196.1	227.1	254.2
77.5°	105.8	108.4	111.0	111.0	112.3	114.8	117.4	122.6	134.2	154.8	178.1
80°	72.3	73.6	73.6	74.8	73.6	77.4	81.3	87.7	92.9	99.4	111.0
82.5°	50.3	50.3	50.3	51.6	51.6	52.9	52.9	54.2	55.5	59.4	64.5
85°	31.0	31.0	32.3	29.7	31.0	32.3	32.3	31.0	32.3	33.6	34.8
87.5°	12.9	12.9	14.2	14.2	14.2	14.2	12.9	14.2	12.9	14.2	14.2
90°	10.0	9.7	9.4	9.3	9.0	8.5	8.0	7.5	7.0	6.3	5.7
92.5°	23.0	22.8	22.6	22.5	22.2	21.5	20.8	20.1	19.4	18.5	17.6
95°	37.5	37.3	37.1	37.0	36.7	36.0	35.3	34.6	33.9	32.9	31.9
97.5°	53.6	53.5	53.4	53.3	53.0	52.4	51.9	51.3	50.7	49.3	47.9
100°	71.9	71.7	71.5	71.4	71.0	70.1	69.2	68.3	67.4	66.1	64.9
102.5°	90.2	89.9	89.6	89.4	88.9	87.9	87.0	86.0	85.0	84.5	84.0
105°	108.7	108.4	108.1	107.9	107.6	107.0	106.5	105.9	105.3	104.7	104.1
107.5°	127.8	127.8	127.8	127.8	127.7	127.4	127.1	126.8	126.5	126.0	125.5
110°	149.1	149.2	149.3	149.4	149.2	148.9	148.6	148.3	148.0	147.7	147.4



TEST NUMBER: P1034719

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	170.0	170.2	170.4	170.5	170.5	170.4	170.3	170.2	170.1	169.7	169.3
115°	191.9	192.0	192.1	192.1	192.1	192.2	192.3	192.4	192.5	192.3	192.1
117.5°	213.6	214.0	214.4	214.6	214.5	214.4	214.3	214.2	214.1	213.9	213.7
120°	235.6	236.0	236.4	236.6	236.6	236.6	236.6	236.6	236.6	236.5	236.4
122.5°	257.5	257.8	258.1	258.2	258.2	258.3	258.4	258.5	258.6	258.3	258.0
125°	279.1	279.2	279.3	279.3	279.4	279.6	279.8	280.0	280.2	280.1	280.0
127.5°	300.4	300.6	300.8	300.9	301.0	301.1	301.2	301.3	301.4	301.3	301.2
130°	321.6	321.8	322.0	322.1	322.1	322.2	322.3	322.4	322.5	322.3	322.1
132.5°	341.6	341.9	342.2	342.3	342.4	342.5	342.6	342.7	342.8	342.9	343.0
135°	362.5	362.9	363.3	363.5	363.5	363.5	363.5	363.5	363.5	363.4	363.3
137.5°	383.0	383.5	384.0	384.2	384.2	384.1	384.0	383.9	383.8	383.6	383.4
140°	402.4	402.9	403.4	403.6	403.5	403.3	403.1	402.9	402.7	402.4	402.1
142.5°	420.9	421.4	421.9	422.1	422.0	421.9	421.8	421.7	421.6	421.2	420.8
145°	439.0	439.3	439.6	439.7	439.7	439.7	439.7	439.7	439.7	439.4	439.1
147.5°	455.4	456.1	456.9	457.3	457.2	456.9	456.6	456.3	456.0	455.8	455.6
150°	471.8	472.0	472.2	472.3	472.3	472.3	472.3	472.3	472.3	471.9	471.5
152.5°	486.8	487.1	487.5	487.7	487.6	487.3	487.0	486.7	486.4	486.3	486.2
155°	500.6	501.1	501.6	501.8	501.6	501.2	500.9	500.5	500.1	500.0	499.9
157.5°	512.5	513.2	513.9	514.2	514.0	513.6	513.2	512.8	512.4	512.3	512.2
160°	524.0	524.5	525.0	525.2	525.0	524.6	524.2	523.8	523.4	523.3	523.2
162.5°	534.3	534.9	535.5	535.8	535.6	535.1	534.6	534.1	533.6	533.6	533.6
165°	543.1	543.7	544.3	544.6	544.4	544.0	543.6	543.2	542.8	542.7	542.6
167.5°	550.6	551.2	551.8	552.1	551.8	551.2	550.6	550.0	549.4	549.4	549.4
170°	556.5	557.2	557.9	558.2	557.9	557.3	556.8	556.2	555.6	555.6	555.6
172.5°	561.2	561.7	562.3	562.6	562.3	561.7	561.2	560.6	560.0	560.0	560.0
175°	564.0	564.7	565.4	565.7	565.4	564.8	564.3	563.7	563.1	563.1	563.1
177.5°	565.8	566.5	567.2	567.5	567.2	566.6	566.0	565.4	564.8	564.9	565.0
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

TEST NUMBER: P1034719

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K

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°	1613.0	1605.3	1600.1	1598.8	1591.1	1584.6	1576.9	1575.6	1571.7	1561.4	1554.9
5°	1663.3	1645.3	1641.4	1629.8	1610.4	1596.2	1578.2	1567.8	1556.2	1536.9	1521.4
7.5°	1715.0	1690.4	1672.4	1655.6	1628.5	1602.7	1576.9	1556.2	1535.6	1507.2	1484.0
10°	1765.3	1727.9	1705.9	1681.4	1644.0	1605.3	1569.1	1539.5	1505.9	1472.4	1438.8
12.5°	1811.7	1764.0	1731.7	1696.9	1650.4	1602.7	1556.2	1514.9	1480.1	1434.9	1397.5
15°	1840.1	1787.2	1755.0	1721.4	1651.7	1598.8	1544.6	1491.7	1445.3	1397.5	1362.7
17.5°	1856.9	1797.5	1761.4	1730.4	1659.5	1587.2	1517.5	1460.7	1410.4	1353.6	1307.2
20°	1849.2	1791.1	1757.5	1727.9	1645.3	1573.0	1498.2	1432.4	1369.1	1311.1	1262.0
22.5°	1832.4	1771.7	1734.3	1707.2	1633.7	1548.5	1465.9	1394.9	1329.1	1271.1	1215.6
25°	1796.3	1736.9	1704.6	1671.1	1598.8	1517.5	1433.6	1357.5	1287.8	1225.9	1163.9
27.5°	1764.0	1691.7	1658.2	1628.5	1552.4	1480.1	1397.5	1313.6	1242.7	1178.1	1116.2
30°	1726.6	1645.3	1609.1	1569.1	1500.7	1432.4	1349.8	1272.3	1198.8	1130.4	1071.0
32.5°	1686.6	1592.4	1551.1	1505.9	1436.2	1371.7	1302.0	1225.9	1152.3	1085.2	1023.3
35°	1634.9	1534.3	1486.6	1444.0	1371.7	1307.2	1242.7	1179.4	1105.9	1034.9	975.5
37.5°	1585.9	1474.9	1424.6	1375.6	1299.4	1237.5	1184.6	1125.2	1054.3	985.9	929.1
40°	1530.4	1402.7	1351.1	1305.9	1227.2	1158.8	1111.0	1064.6	1002.6	936.8	874.9
42.5°	1480.1	1335.6	1281.4	1234.9	1152.3	1087.8	1042.7	1003.9	949.7	889.1	825.9
45°	1410.4	1263.3	1207.8	1158.8	1074.9	1014.3	967.8	934.3	891.7	834.9	778.1
47.5°	1345.9	1193.6	1133.0	1073.6	997.5	935.5	893.0	867.2	838.8	788.4	730.4
50°	1267.2	1113.6	1051.7	1002.6	916.2	863.3	820.7	802.6	776.8	729.1	682.6
52.5°	1182.0	1036.2	978.1	918.8	838.8	787.1	749.7	729.1	708.4	673.6	629.7
55°	1082.7	949.7	895.5	842.6	762.6	714.9	681.3	659.4	647.8	615.5	583.3
57.5°	987.2	862.0	811.7	762.6	692.9	638.8	616.8	597.5	580.7	557.5	530.4
60°	890.4	776.8	722.6	678.8	618.1	569.1	551.0	531.6	518.7	500.7	481.3
62.5°	779.4	682.6	641.3	600.0	548.4	509.7	489.1	473.6	456.8	445.2	428.4
65°	662.0	593.6	553.6	522.6	473.6	438.7	423.3	412.9	398.7	387.1	374.2
67.5°	552.3	498.1	481.3	447.8	410.4	379.4	367.8	354.9	343.2	336.8	325.2
70°	446.5	407.8	391.0	382.0	340.7	320.0	309.7	304.5	290.3	283.9	276.1
72.5°	345.8	331.6	320.0	308.4	281.3	268.4	256.8	251.6	241.3	236.1	233.6
75°	255.5	246.5	240.0	238.7	227.1	214.2	202.6	200.0	192.3	187.1	184.5
77.5°	179.4	176.8	175.5	176.8	169.0	161.3	158.7	156.1	147.1	145.8	145.8
80°	117.4	123.9	123.9	122.6	120.0	118.7	114.8	112.3	107.1	105.8	107.1
82.5°	72.3	76.1	77.4	80.0	78.7	77.4	74.8	73.6	74.8	72.3	73.6
85°	36.1	38.7	43.9	43.9	45.2	45.2	45.2	43.9	41.3	42.6	41.3
87.5°	14.2	15.5	15.5	15.5	14.2	18.1	19.4	19.4	19.4	16.8	16.8
90°	5.0	4.3	4.0	3.6	2.8	2.0	1.2	0.4	1.2	2.0	2.8
92.5°	16.7	15.8	15.4	15.2	14.7	14.2	13.7	13.2	13.7	14.2	14.7
95°	31.0	30.0	29.5	29.4	29.2	29.0	28.8	28.6	28.8	29.0	29.2
97.5°	46.6	45.2	44.5	44.5	44.4	44.3	44.2	44.1	44.2	44.3	44.4
100°	63.6	62.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
102.5°	83.5	83.0	82.8	82.6	82.1	81.6	81.1	80.6	81.1	81.6	82.1
105°	103.6	103.0	102.7	102.5	102.0	101.5	101.0	100.5	101.0	101.5	102.0
107.5°	125.0	124.5	124.2	124.0	123.5	123.0	122.5	122.0	122.5	123.0	123.5
110°	147.1	146.8	146.7	146.5	146.0	145.5	145.0	144.5	145.0	145.5	146.0

TEST NUMBER: P1034719

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	168.9	168.5	168.3	168.2	168.0	167.8	167.6	167.4	167.6	167.8	168.0
115°	192.0	191.8	191.7	191.5	191.1	190.7	190.3	189.9	190.3	190.7	191.1
117.5°	213.5	213.3	213.2	213.2	213.1	213.0	212.9	212.8	212.9	213.0	213.1
120°	236.3	236.2	236.2	236.0	235.5	235.0	234.5	234.0	234.5	235.0	235.5
122.5°	257.7	257.4	257.3	257.3	257.2	257.1	257.0	256.9	257.0	257.1	257.2
125°	279.9	279.8	279.8	279.5	278.9	278.3	277.7	277.1	277.7	278.3	278.9
127.5°	301.1	301.0	300.9	300.8	300.5	300.2	299.9	299.6	299.9	300.2	300.5
130°	321.9	321.7	321.6	321.4	320.9	320.4	319.9	319.4	319.9	320.4	320.9
132.5°	343.1	343.2	343.2	342.8	341.9	341.0	340.2	339.3	340.2	341.0	341.9
135°	363.2	363.1	363.1	362.8	362.2	361.6	361.0	360.4	361.0	361.6	362.2
137.5°	383.2	383.0	382.9	382.6	382.0	381.4	380.8	380.2	380.8	381.4	382.0
140°	401.8	401.5	401.4	401.2	400.7	400.2	399.7	399.2	399.7	400.2	400.7
142.5°	420.5	420.1	419.9	419.7	419.3	418.9	418.5	418.1	418.5	418.9	419.3
145°	438.8	438.5	438.4	438.2	437.8	437.4	437.0	436.6	437.0	437.4	437.8
147.5°	455.4	455.2	455.1	455.0	454.7	454.4	454.1	453.8	454.1	454.4	454.7
150°	471.2	470.8	470.6	470.6	470.7	470.8	470.9	471.0	470.9	470.8	470.7
152.5°	486.1	486.0	486.0	485.9	485.7	485.5	485.3	485.1	485.3	485.5	485.7
155°	499.8	499.7	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6
157.5°	512.1	512.0	512.0	512.1	512.3	512.5	512.7	512.9	512.7	512.5	512.3
160°	523.1	523.0	523.0	523.1	523.4	523.7	524.0	524.3	524.0	523.7	523.4
162.5°	533.6	533.6	533.6	533.7	533.9	534.0	534.2	534.4	534.2	534.0	533.9
165°	542.5	542.4	542.4	542.5	542.7	542.9	543.1	543.3	543.1	542.9	542.7
167.5°	549.4	549.4	549.4	549.6	550.0	550.4	550.8	551.2	550.8	550.4	550.0
170°	555.6	555.6	555.6	555.8	556.2	556.6	557.0	557.4	557.0	556.6	556.2
172.5°	560.0	560.0	560.0	560.2	560.6	561.0	561.4	561.8	561.4	561.0	560.6
175°	563.1	563.1	563.1	563.3	563.7	564.0	564.4	564.8	564.4	564.0	563.7
177.5°	565.1	565.2	565.3	565.5	565.9	566.2	566.6	567.0	566.6	566.2	565.9
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

TEST NUMBER: P1034719

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K

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°	1551.1	1545.9	1542.0	1538.2	1521.4	1503.3	1500.7	1496.9	1489.1	1498.2	1494.3
5°	1511.1	1499.5	1493.0	1476.2	1455.6	1440.1	1427.2	1411.7	1405.3	1400.1	1398.8
7.5°	1462.0	1451.7	1440.1	1423.3	1397.5	1371.7	1352.3	1336.9	1324.0	1317.5	1317.5
10°	1414.3	1401.4	1385.9	1357.5	1333.0	1300.7	1280.1	1264.6	1246.5	1236.2	1227.2
12.5°	1365.3	1351.1	1336.9	1300.7	1272.3	1238.8	1209.1	1189.8	1180.7	1169.1	1153.6
15°	1316.2	1294.3	1280.1	1244.0	1207.8	1174.3	1154.9	1134.3	1113.6	1102.0	1096.8
17.5°	1264.6	1249.1	1225.9	1187.2	1147.2	1117.5	1089.1	1069.7	1045.2	1033.6	1022.0
20°	1218.1	1194.9	1171.7	1133.0	1094.3	1054.3	1025.9	1002.6	987.2	978.1	967.8
22.5°	1162.7	1140.7	1121.4	1080.1	1037.5	1000.1	969.1	954.9	939.4	925.2	914.9
25°	1114.9	1093.0	1073.6	1028.5	982.0	947.2	923.9	905.9	889.1	882.6	872.3
27.5°	1064.6	1043.9	1018.1	973.0	931.7	902.0	877.5	860.7	847.8	834.9	827.2
30°	1016.8	993.6	970.4	921.4	887.8	858.1	834.9	814.2	803.9	797.5	784.6
32.5°	970.4	940.7	921.4	876.2	843.9	815.5	796.2	778.1	765.2	753.6	743.3
35°	920.1	887.8	868.4	831.0	797.5	769.1	752.3	739.4	723.9	713.6	708.4
37.5°	872.3	845.2	825.9	787.1	753.6	730.4	712.3	695.5	689.1	674.9	672.3
40°	820.7	797.5	779.4	742.0	711.0	692.9	673.6	658.1	646.5	640.0	631.0
42.5°	774.2	754.9	735.5	700.7	671.0	649.1	634.9	620.7	610.4	600.0	593.6
45°	731.7	711.0	692.9	659.4	629.7	610.4	596.2	579.4	576.8	562.6	556.2
47.5°	686.5	668.4	652.9	618.1	591.0	571.7	554.9	543.3	531.6	526.5	517.5
50°	642.6	624.6	606.5	575.5	551.0	531.6	514.9	502.0	495.5	487.8	480.0
52.5°	594.9	580.7	566.5	534.2	509.7	492.9	478.7	462.0	455.5	449.1	443.9
55°	554.9	534.2	518.7	491.6	469.7	451.6	436.2	423.3	416.8	411.6	405.2
57.5°	500.7	487.8	474.9	450.4	429.7	411.6	396.2	385.8	378.1	374.2	375.5
60°	454.2	440.0	432.3	406.5	385.8	371.6	357.4	347.1	339.4	335.5	334.2
62.5°	405.2	394.9	380.7	362.6	342.0	329.1	318.7	311.0	298.1	296.8	292.9
65°	357.4	349.7	336.8	320.0	303.2	291.6	280.0	269.7	264.5	258.1	254.2
67.5°	311.0	303.2	291.6	277.4	265.8	254.2	243.9	233.6	224.5	219.4	216.8
70°	265.8	259.4	251.6	234.9	220.7	211.6	203.9	197.4	188.4	185.8	184.5
72.5°	222.0	215.5	211.6	197.4	184.5	176.8	169.0	162.6	158.7	157.4	153.6
75°	181.9	175.5	170.3	157.4	149.7	144.5	136.8	134.2	130.3	129.0	127.8
77.5°	141.9	135.5	134.2	125.2	116.1	113.6	111.0	105.8	105.8	105.8	103.2
80°	101.9	100.7	99.4	90.3	86.5	83.9	82.6	78.7	76.1	73.6	72.3
82.5°	68.4	67.1	65.8	61.9	58.1	56.8	55.5	52.9	52.9	54.2	51.6
85°	41.3	38.7	37.4	36.1	33.6	33.6	34.8	33.6	33.6	33.6	32.3
87.5°	15.5	15.5	15.5	15.5	16.8	14.2	15.5	15.5	14.2	14.2	12.9
90°	3.6	4.0	4.3	5.0	5.7	6.3	7.0	7.5	8.0	8.5	9.0
92.5°	15.2	15.4	15.8	16.7	17.6	18.5	19.4	20.1	20.8	21.5	22.2
95°	29.4	29.5	30.0	31.0	31.9	32.9	33.9	34.6	35.3	36.0	36.7
97.5°	44.5	44.5	45.2	46.6	47.9	49.3	50.7	51.3	51.9	52.4	53.0
100°	61.7	61.7	62.3	63.6	64.9	66.1	67.4	68.3	69.2	70.1	71.0
102.5°	82.6	82.8	83.0	83.5	84.0	84.5	85.0	86.0	87.0	87.9	88.9
105°	102.5	102.7	103.0	103.6	104.1	104.7	105.3	105.9	106.5	107.0	107.6
107.5°	124.0	124.2	124.5	125.0	125.5	126.0	126.5	126.8	127.1	127.4	127.7
110°	146.5	146.7	146.8	147.1	147.4	147.7	148.0	148.3	148.6	148.9	149.2

TEST NUMBER: P1034719

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	168.2	168.3	168.5	168.9	169.3	169.7	170.1	170.2	170.3	170.4	170.5
115°	191.5	191.7	191.8	192.0	192.1	192.3	192.5	192.4	192.3	192.2	192.1
117.5°	213.2	213.2	213.3	213.5	213.7	213.9	214.1	214.2	214.3	214.4	214.5
120°	236.0	236.2	236.2	236.3	236.4	236.5	236.6	236.6	236.6	236.6	236.6
122.5°	257.3	257.3	257.4	257.7	258.0	258.3	258.6	258.5	258.4	258.3	258.2
125°	279.5	279.8	279.8	279.9	280.0	280.1	280.2	280.0	279.8	279.6	279.4
127.5°	300.8	300.9	301.0	301.1	301.2	301.3	301.4	301.3	301.2	301.1	301.0
130°	321.4	321.6	321.7	321.9	322.1	322.3	322.5	322.4	322.3	322.2	322.1
132.5°	342.8	343.2	343.2	343.1	343.0	342.9	342.8	342.7	342.6	342.5	342.4
135°	362.8	363.1	363.1	363.2	363.3	363.4	363.5	363.5	363.5	363.5	363.5
137.5°	382.6	382.9	383.0	383.2	383.4	383.6	383.8	383.9	384.0	384.1	384.2
140°	401.2	401.4	401.5	401.8	402.1	402.4	402.7	402.9	403.1	403.3	403.5
142.5°	419.7	419.9	420.1	420.5	420.8	421.2	421.6	421.7	421.8	421.9	422.0
145°	438.2	438.4	438.5	438.8	439.1	439.4	439.7	439.7	439.7	439.7	439.7
147.5°	455.0	455.1	455.2	455.4	455.6	455.8	456.0	456.3	456.6	456.9	457.2
150°	470.6	470.6	470.8	471.2	471.5	471.9	472.3	472.3	472.3	472.3	472.3
152.5°	485.9	486.0	486.0	486.1	486.2	486.3	486.4	486.7	487.0	487.3	487.6
155°	499.6	499.6	499.7	499.8	499.9	500.0	500.1	500.5	500.9	501.2	501.6
157.5°	512.1	512.0	512.0	512.1	512.2	512.3	512.4	512.8	513.2	513.6	514.0
160°	523.1	523.0	523.0	523.1	523.2	523.3	523.4	523.8	524.2	524.6	525.0
162.5°	533.7	533.6	533.6	533.6	533.6	533.6	533.6	534.1	534.6	535.1	535.6
165°	542.5	542.4	542.4	542.5	542.6	542.7	542.8	543.2	543.6	544.0	544.4
167.5°	549.6	549.4	549.4	549.4	549.4	549.4	549.4	550.0	550.6	551.2	551.8
170°	555.8	555.6	555.6	555.6	555.6	555.6	555.6	556.2	556.8	557.3	557.9
172.5°	560.2	560.0	560.0	560.0	560.0	560.0	560.0	560.6	561.2	561.7	562.3
175°	563.3	563.1	563.1	563.1	563.1	563.1	563.1	563.7	564.3	564.8	565.4
177.5°	565.5	565.3	565.2	565.1	565.0	564.9	564.8	565.4	566.0	566.6	567.2
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

TEST NUMBER: P1034719

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K

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°	1487.8	1490.4	1484.0	1481.4	1476.2	1482.7	1484.0	1482.7	1494.3	1489.1	1491.7
5°	1401.4	1396.2	1392.4	1383.3	1383.3	1384.6	1388.5	1382.0	1385.9	1394.9	1393.6
7.5°	1305.9	1303.3	1304.6	1294.3	1286.5	1289.1	1286.5	1298.2	1304.6	1302.0	1307.2
10°	1219.4	1224.6	1213.0	1207.8	1202.7	1207.8	1206.5	1209.1	1216.9	1222.0	1231.1
12.5°	1149.8	1148.5	1142.0	1136.9	1127.8	1130.4	1138.1	1135.6	1136.9	1148.5	1147.2
15°	1083.9	1076.2	1071.0	1059.4	1062.0	1053.0	1060.7	1069.7	1073.6	1083.9	1090.4
17.5°	1018.1	1016.8	1010.4	1009.1	994.9	991.0	998.8	1001.4	1005.2	1010.4	1019.4
20°	962.6	961.4	952.3	949.7	938.1	945.9	943.3	948.5	951.0	961.4	965.2
22.5°	912.3	905.9	903.3	899.4	895.5	894.3	899.4	898.1	907.2	911.0	912.3
25°	865.9	860.7	859.4	853.0	850.4	846.5	850.4	854.3	864.6	868.4	873.6
27.5°	823.3	819.4	816.8	811.7	807.8	807.8	810.4	815.5	819.4	822.0	824.6
30°	784.6	782.0	774.2	771.7	767.8	767.8	767.8	770.4	776.8	784.6	788.4
32.5°	744.6	739.4	734.2	734.2	730.4	730.4	731.7	734.2	740.7	742.0	748.4
35°	705.9	700.7	696.8	694.2	695.5	690.4	692.9	696.8	704.6	707.1	711.0
37.5°	668.4	667.1	659.4	655.5	658.1	658.1	656.8	659.4	664.6	669.7	672.3
40°	627.1	624.6	624.6	620.7	622.0	616.8	620.7	623.3	625.8	631.0	634.9
42.5°	591.0	588.4	583.3	584.6	580.7	580.7	583.3	584.6	588.4	594.9	597.5
45°	552.3	552.3	549.7	545.8	547.1	543.3	545.8	547.1	552.3	558.7	556.2
47.5°	514.9	513.6	513.6	508.4	511.0	507.1	511.0	512.3	514.9	518.7	517.5
50°	478.7	474.9	476.2	474.9	473.6	473.6	476.2	476.2	478.7	478.7	482.6
52.5°	441.3	441.3	438.7	440.0	442.6	440.0	443.9	440.0	442.6	443.9	446.5
55°	407.8	405.2	406.5	405.2	410.4	406.5	410.4	407.8	410.4	409.1	411.6
57.5°	371.6	367.8	369.1	367.8	371.6	370.3	374.2	370.3	371.6	372.9	376.8
60°	330.3	330.3	330.3	327.8	331.6	331.6	330.3	330.3	335.5	338.1	336.8
62.5°	291.6	290.3	286.5	285.2	286.5	283.9	289.1	287.8	290.3	292.9	295.5
65°	249.0	246.5	245.2	242.6	242.6	241.3	242.6	247.8	249.0	250.3	256.8
67.5°	214.2	212.9	211.6	207.8	207.8	210.3	210.3	210.3	218.1	214.2	219.4
70°	183.2	180.7	178.1	176.8	176.8	178.1	179.4	180.7	179.4	184.5	185.8
72.5°	153.6	154.8	152.3	152.3	152.3	151.0	151.0	153.6	154.8	153.6	154.8
75°	127.8	127.8	126.5	127.8	127.8	126.5	126.5	129.0	129.0	127.8	131.6
77.5°	103.2	101.9	99.4	96.8	98.1	96.8	98.1	96.8	100.7	104.5	101.9
80°	72.3	71.0	71.0	71.0	72.3	71.0	73.6	71.0	72.3	72.3	73.6
82.5°	51.6	52.9	52.9	51.6	52.9	51.6	52.9	52.9	52.9	51.6	52.9
85°	33.6	33.6	33.6	33.6	32.3	33.6	33.6	33.6	34.8	33.6	34.8
87.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	15.5	14.2	15.5
90°	9.3	9.4	9.7	10.0	10.3	10.6	10.3	10.0	9.7	9.4	9.3
92.5°	22.5	22.6	22.8	23.0	23.2	23.4	23.2	23.0	22.8	22.6	22.5
95°	37.0	37.1	37.3	37.5	37.7	37.9	37.7	37.5	37.3	37.1	37.0
97.5°	53.3	53.4	53.5	53.6	53.7	53.8	53.7	53.6	53.5	53.4	53.3
100°	71.4	71.5	71.7	71.9	72.1	72.3	72.1	71.9	71.7	71.5	71.4
102.5°	89.4	89.6	89.9	90.2	90.5	90.8	90.5	90.2	89.9	89.6	89.4
105°	107.9	108.1	108.4	108.7	109.0	109.3	109.0	108.7	108.4	108.1	107.9
107.5°	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8
110°	149.4	149.3	149.2	149.1	149.0	148.9	149.0	149.1	149.2	149.3	149.4

TEST NUMBER: P1034719

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	170.5	170.4	170.2	170.0	169.8	169.6	169.8	170.0	170.2	170.4	170.5
115°	192.1	192.1	192.0	191.9	191.8	191.7	191.8	191.9	192.0	192.1	192.1
117.5°	214.6	214.4	214.0	213.6	213.2	212.8	213.2	213.6	214.0	214.4	214.6
120°	236.6	236.4	236.0	235.6	235.2	234.8	235.2	235.6	236.0	236.4	236.6
122.5°	258.2	258.1	257.8	257.5	257.2	256.9	257.2	257.5	257.8	258.1	258.2
125°	279.3	279.3	279.2	279.1	279.0	278.9	279.0	279.1	279.2	279.3	279.3
127.5°	300.9	300.8	300.6	300.4	300.2	300.0	300.2	300.4	300.6	300.8	300.9
130°	322.1	322.0	321.8	321.6	321.4	321.2	321.4	321.6	321.8	322.0	322.1
132.5°	342.3	342.2	341.9	341.6	341.3	341.0	341.3	341.6	341.9	342.2	342.3
135°	363.5	363.3	362.9	362.5	362.1	361.7	362.1	362.5	362.9	363.3	363.5
137.5°	384.2	384.0	383.5	383.0	382.5	382.0	382.5	383.0	383.5	384.0	384.2
140°	403.6	403.4	402.9	402.4	401.9	401.4	401.9	402.4	402.9	403.4	403.6
142.5°	422.1	421.9	421.4	420.9	420.4	419.9	420.4	420.9	421.4	421.9	422.1
145°	439.7	439.6	439.3	439.0	438.7	438.4	438.7	439.0	439.3	439.6	439.7
147.5°	457.3	456.9	456.1	455.4	454.6	453.8	454.6	455.4	456.1	456.9	457.3
150°	472.3	472.2	472.0	471.8	471.6	471.4	471.6	471.8	472.0	472.2	472.3
152.5°	487.7	487.5	487.1	486.8	486.4	486.0	486.4	486.8	487.1	487.5	487.7
155°	501.8	501.6	501.1	500.6	500.1	499.6	500.1	500.6	501.1	501.6	501.8
157.5°	514.2	513.9	513.2	512.5	511.8	511.1	511.8	512.5	513.2	513.9	514.2
160°	525.2	525.0	524.5	524.0	523.5	523.0	523.5	524.0	524.5	525.0	525.2
162.5°	535.8	535.5	534.9	534.3	533.7	533.1	533.7	534.3	534.9	535.5	535.8
165°	544.6	544.3	543.7	543.1	542.5	541.9	542.5	543.1	543.7	544.3	544.6
167.5°	552.1	551.8	551.2	550.6	550.0	549.4	550.0	550.6	551.2	551.8	552.1
170°	558.2	557.9	557.2	556.5	555.8	555.1	555.8	556.5	557.2	557.9	558.2
172.5°	562.6	562.3	561.7	561.2	560.6	560.0	560.6	561.2	561.7	562.3	562.6
175°	565.7	565.4	564.7	564.0	563.3	562.6	563.3	564.0	564.7	565.4	565.7
177.5°	567.5	567.2	566.5	565.8	565.1	564.4	565.1	565.8	566.5	567.2	567.5
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

TEST NUMBER: P1034719

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K

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°	1486.6	1493.0	1487.8	1484.0	1494.3	1499.5	1499.5	1508.5	1517.5	1525.3	1526.6
5°	1394.9	1405.3	1407.8	1406.5	1422.0	1429.8	1446.5	1455.6	1468.5	1477.5	1487.8
7.5°	1311.1	1325.3	1326.5	1329.1	1352.3	1365.3	1379.4	1402.7	1420.7	1433.6	1445.3
10°	1227.2	1236.2	1245.2	1256.9	1280.1	1302.0	1322.7	1347.2	1370.4	1383.3	1400.1
12.5°	1163.9	1170.4	1180.7	1188.5	1213.0	1232.3	1259.4	1293.0	1326.5	1336.9	1357.5
15°	1098.1	1102.0	1122.7	1130.4	1151.0	1183.3	1200.1	1232.3	1268.5	1287.8	1311.1
17.5°	1022.0	1045.2	1058.1	1067.2	1093.0	1118.8	1145.9	1179.4	1225.9	1244.0	1260.7
20°	967.8	984.6	998.8	1010.4	1033.6	1072.3	1096.8	1123.9	1167.8	1188.5	1213.0
22.5°	920.1	934.3	947.2	960.1	975.5	1010.4	1038.8	1076.2	1120.1	1139.4	1167.8
25°	874.9	889.1	896.8	912.3	933.0	957.5	991.0	1024.6	1068.5	1090.4	1117.5
27.5°	831.0	845.2	859.4	872.3	886.5	909.7	933.0	975.5	1020.7	1046.5	1069.7
30°	793.6	800.1	813.0	827.2	841.3	863.3	890.4	920.1	971.7	994.9	1023.3
32.5°	752.3	763.9	773.0	783.3	801.3	819.4	843.9	881.3	922.6	944.6	975.5
35°	713.6	723.9	730.4	748.4	760.1	779.4	803.9	837.5	872.3	896.8	923.9
37.5°	676.2	686.5	694.2	704.6	720.0	736.8	762.6	787.1	828.4	849.1	880.1
40°	637.5	646.5	655.5	667.1	681.3	702.0	717.5	748.4	782.0	805.2	828.4
42.5°	600.0	605.2	615.5	628.4	642.6	660.7	682.6	707.1	740.7	761.3	782.0
45°	560.0	569.1	580.7	589.7	602.6	620.7	640.0	662.0	695.5	716.2	738.1
47.5°	522.6	529.1	536.8	551.0	567.8	580.7	601.3	622.0	652.9	672.3	692.9
50°	483.9	490.4	502.0	511.0	523.9	540.7	560.0	582.0	611.7	624.6	645.2
52.5°	447.8	450.4	462.0	471.0	483.9	503.3	518.7	538.1	566.5	580.7	601.3
55°	411.6	414.2	420.7	429.7	443.9	459.4	476.2	498.1	522.6	535.5	554.9
57.5°	374.2	376.8	383.3	389.7	403.9	418.1	437.4	455.5	480.0	491.6	509.7
60°	336.8	336.8	343.2	352.3	362.6	375.5	392.3	414.2	432.3	446.5	459.4
62.5°	296.8	300.7	304.5	311.0	322.6	338.1	352.3	367.8	389.7	400.0	411.6
65°	256.8	260.7	268.4	274.9	283.9	294.2	312.3	325.2	342.0	353.6	363.9
67.5°	222.0	225.8	231.0	238.7	245.2	256.8	269.7	282.6	300.7	308.4	316.2
70°	185.8	189.7	193.6	203.9	210.3	219.4	228.4	241.3	256.8	262.0	268.4
72.5°	157.4	158.7	163.9	166.5	175.5	183.2	193.6	201.3	212.9	219.4	224.5
75°	132.9	132.9	134.2	136.8	141.9	147.1	154.8	162.6	172.9	176.8	183.2
77.5°	104.5	108.4	107.1	109.7	112.3	114.8	121.3	126.5	136.8	139.4	141.9
80°	74.8	76.1	80.0	83.9	83.9	87.7	91.6	92.9	99.4	103.2	103.2
82.5°	54.2	55.5	54.2	55.5	56.8	58.1	61.9	67.1	67.1	68.4	71.0
85°	33.6	33.6	34.8	36.1	36.1	34.8	37.4	36.1	37.4	40.0	40.0
87.5°	16.8	15.5	15.5	15.5	15.5	15.5	16.8	15.5	16.8	16.8	16.8
90°	9.0	8.5	8.0	7.5	7.0	6.3	5.7	5.0	4.3	4.0	3.6
92.5°	22.2	21.5	20.8	20.1	19.4	18.5	17.6	16.7	15.8	15.4	15.2
95°	36.7	36.0	35.3	34.6	33.9	32.9	31.9	31.0	30.0	29.5	29.4
97.5°	53.0	52.4	51.9	51.3	50.7	49.3	47.9	46.6	45.2	44.5	44.5
100°	71.0	70.1	69.2	68.3	67.4	66.1	64.9	63.6	62.3	61.7	61.7
102.5°	88.9	87.9	87.0	86.0	85.0	84.5	84.0	83.5	83.0	82.8	82.6
105°	107.6	107.0	106.5	105.9	105.3	104.7	104.1	103.6	103.0	102.7	102.5
107.5°	127.7	127.4	127.1	126.8	126.5	126.0	125.5	125.0	124.5	124.2	124.0
110°	149.2	148.9	148.6	148.3	148.0	147.7	147.4	147.1	146.8	146.7	146.5

TEST NUMBER: P1034719

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	170.5	170.4	170.3	170.2	170.1	169.7	169.3	168.9	168.5	168.3	168.2
115°	192.1	192.2	192.3	192.4	192.5	192.3	192.1	192.0	191.8	191.7	191.5
117.5°	214.5	214.4	214.3	214.2	214.1	213.9	213.7	213.5	213.3	213.2	213.2
120°	236.6	236.6	236.6	236.6	236.6	236.5	236.4	236.3	236.2	236.2	236.0
122.5°	258.2	258.3	258.4	258.5	258.6	258.3	258.0	257.7	257.4	257.3	257.3
125°	279.4	279.6	279.8	280.0	280.2	280.1	280.0	279.9	279.8	279.8	279.5
127.5°	301.0	301.1	301.2	301.3	301.4	301.3	301.2	301.1	301.0	300.9	300.8
130°	322.1	322.2	322.3	322.4	322.5	322.3	322.1	321.9	321.7	321.6	321.4
132.5°	342.4	342.5	342.6	342.7	342.8	342.9	343.0	343.1	343.2	343.2	342.8
135°	363.5	363.5	363.5	363.5	363.5	363.4	363.3	363.2	363.1	363.1	362.8
137.5°	384.2	384.1	384.0	383.9	383.8	383.6	383.4	383.2	383.0	382.9	382.6
140°	403.5	403.3	403.1	402.9	402.7	402.4	402.1	401.8	401.5	401.4	401.2
142.5°	422.0	421.9	421.8	421.7	421.6	421.2	420.8	420.5	420.1	419.9	419.7
145°	439.7	439.7	439.7	439.7	439.7	439.4	439.1	438.8	438.5	438.4	438.2
147.5°	457.2	456.9	456.6	456.3	456.0	455.8	455.6	455.4	455.2	455.1	455.0
150°	472.3	472.3	472.3	472.3	472.3	471.9	471.5	471.2	470.8	470.6	470.6
152.5°	487.6	487.3	487.0	486.7	486.4	486.3	486.2	486.1	486.0	486.0	485.9
155°	501.6	501.2	500.9	500.5	500.1	500.0	499.9	499.8	499.7	499.6	499.6
157.5°	514.0	513.6	513.2	512.8	512.4	512.3	512.2	512.1	512.0	512.0	512.1
160°	525.0	524.6	524.2	523.8	523.4	523.3	523.2	523.1	523.0	523.0	523.1
162.5°	535.6	535.1	534.6	534.1	533.6	533.6	533.6	533.6	533.6	533.6	533.7
165°	544.4	544.0	543.6	543.2	542.8	542.7	542.6	542.5	542.4	542.4	542.5
167.5°	551.8	551.2	550.6	550.0	549.4	549.4	549.4	549.4	549.4	549.4	549.6
170°	557.9	557.3	556.8	556.2	555.6	555.6	555.6	555.6	555.6	555.6	555.8
172.5°	562.3	561.7	561.2	560.6	560.0	560.0	560.0	560.0	560.0	560.0	560.2
175°	565.4	564.8	564.3	563.7	563.1	563.1	563.1	563.1	563.1	563.1	563.3
177.5°	567.2	566.6	566.0	565.4	564.8	564.9	565.0	565.1	565.2	565.3	565.5
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

TEST NUMBER: P1034719

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1571.7	1571.7	1571.7	1571.7
2.5°	1535.6	1547.2	1558.8	1573.0
5°	1504.6	1525.3	1547.2	1567.8
7.5°	1471.1	1500.7	1529.1	1558.8
10°	1433.6	1471.1	1503.3	1544.6
12.5°	1392.4	1432.4	1477.5	1524.0
15°	1351.1	1401.4	1449.1	1502.0
17.5°	1312.3	1360.1	1413.0	1476.2
20°	1265.9	1318.8	1378.2	1445.3
22.5°	1216.9	1274.9	1339.4	1411.7
25°	1175.6	1234.9	1296.9	1373.0
27.5°	1130.4	1192.3	1253.0	1334.3
30°	1078.8	1145.9	1207.8	1291.7
32.5°	1029.7	1096.8	1165.2	1244.0
35°	982.0	1047.8	1116.2	1196.2
37.5°	936.8	996.2	1063.3	1135.6
40°	894.3	948.5	1007.8	1073.6
42.5°	840.1	903.3	958.8	1006.5
45°	793.6	845.2	896.8	935.5
47.5°	739.4	791.0	834.9	865.9
50°	694.2	735.5	771.7	798.8
52.5°	640.0	678.8	708.4	729.1
55°	587.1	620.7	646.5	660.7
57.5°	539.4	561.3	580.7	593.6
60°	486.5	503.3	520.0	534.2
62.5°	429.7	447.8	456.8	472.3
65°	379.4	391.0	405.2	410.4
67.5°	330.3	336.8	345.8	356.2
70°	278.7	282.6	291.6	305.8
72.5°	233.6	237.4	243.9	249.0
75°	185.8	189.7	194.9	200.0
77.5°	145.8	147.1	149.7	154.8
80°	105.8	109.7	112.3	113.6
82.5°	73.6	74.8	74.8	76.1
85°	46.5	43.9	43.9	45.2
87.5°	16.8	19.4	19.4	21.9
90°	2.8	2.0	1.2	0.4
92.5°	14.7	14.2	13.7	13.2
95°	29.2	29.0	28.8	28.6
97.5°	44.4	44.3	44.2	44.1
100°	61.7	61.7	61.7	61.7
102.5°	82.1	81.6	81.1	80.6
105°	102.0	101.5	101.0	100.5
107.5°	123.5	123.0	122.5	122.0
110°	146.0	145.5	145.0	144.5



TEST NUMBER: P1034719

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	168.0	167.8	167.6	167.4
115°	191.1	190.7	190.3	189.9
117.5°	213.1	213.0	212.9	212.8
120°	235.5	235.0	234.5	234.0
122.5°	257.2	257.1	257.0	256.9
125°	278.9	278.3	277.7	277.1
127.5°	300.5	300.2	299.9	299.6
130°	320.9	320.4	319.9	319.4
132.5°	341.9	341.0	340.2	339.3
135°	362.2	361.6	361.0	360.4
137.5°	382.0	381.4	380.8	380.2
140°	400.7	400.2	399.7	399.2
142.5°	419.3	418.9	418.5	418.1
145°	437.8	437.4	437.0	436.6
147.5°	454.7	454.4	454.1	453.8
150°	470.7	470.8	470.9	471.0
152.5°	485.7	485.5	485.3	485.1
155°	499.6	499.6	499.6	499.6
157.5°	512.3	512.5	512.7	512.9
160°	523.4	523.7	524.0	524.3
162.5°	533.9	534.0	534.2	534.4
165°	542.7	542.9	543.1	543.3
167.5°	550.0	550.4	550.8	551.2
170°	556.2	556.6	557.0	557.4
172.5°	560.6	561.0	561.4	561.8
175°	563.7	564.0	564.4	564.8
177.5°	565.9	566.2	566.6	567.0
180°	566.2	566.2	566.2	566.2

(END OF REPORT)