

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: P1027075

Luminaire Tested: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027075
REPORT IS A COMBINATION OF REPORTS P1005006 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K
Description: Define 5 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

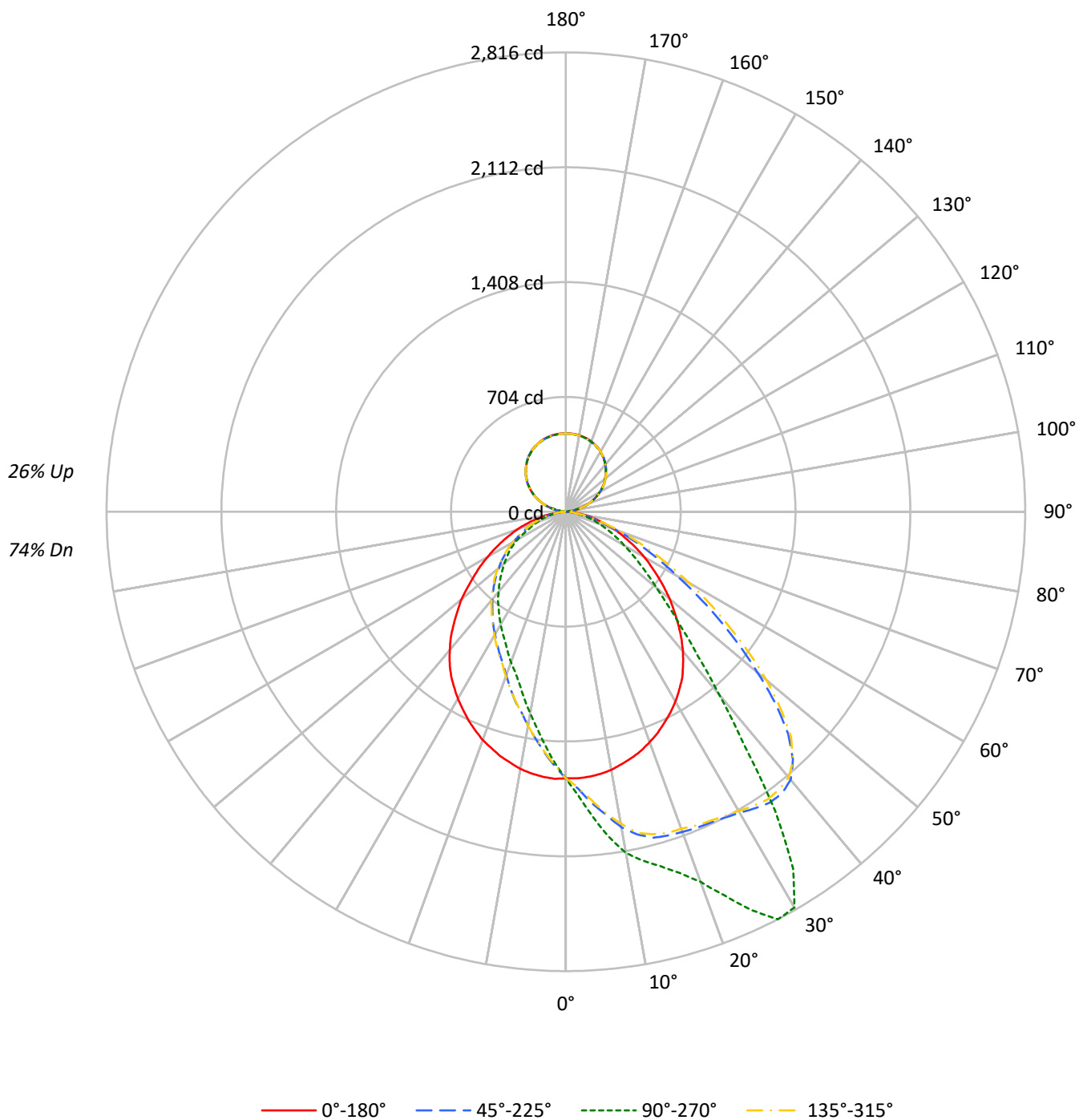
Lumens per Lamp: N/A
Luminaire Lumens: 5708.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 56.1
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	50	30	10
RCR																				
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78			74
1	104	100	96	92	99	95	92	89	86	83	81	78	76	74	70	69	68			64
2	95	88	82	77	90	84	78	74	76	72	68	69	66	63	63	60	58			54
3	87	78	70	64	83	74	68	62	68	62	58	62	57	54	56	53	50			47
4	80	69	61	55	76	66	59	53	60	55	50	55	50	47	50	46	43			40
5	74	62	54	48	70	59	52	46	54	48	43	50	45	41	46	41	38			35
6	68	56	48	42	65	54	46	41	49	43	38	45	40	36	41	37	34			31
7	63	51	43	37	60	49	41	36	45	39	34	41	36	32	38	33	30			28
8	59	46	38	33	56	44	37	32	41	35	30	38	33	29	35	30	27			25
9	55	42	35	30	52	41	34	29	38	32	27	35	30	26	32	28	24			23
10	51	39	32	27	49	38	31	26	35	29	25	32	27	24	30	25	22			20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10470	10470	10470	10470
5°	10462	11801	10462	9071
10°	10403	13262	10368	7842
15°	10291	14030	10220	6827
20°	10154	15145	10063	6171
25°	9976	17143	9864	5601
30°	9795	18222	9649	5192
35°	9561	14986	9427	4812
40°	9145	10176	9068	4471
45°	8600	7316	8587	4134
50°	8039	5625	8078	3823
55°	7410	4575	7394	3524
60°	6823	3750	6790	3128
65°	6140	3124	6179	2518
70°	5574	2507	5551	2097
75°	4710	1899	4710	1724
80°	3816	1159	3771	1159
85°	2687	610	2607	689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 14904 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.7	2.7
10°-20°	459.5	8.0
20°-30°	728.5	12.8
30°-40°	880.3	15.4
40°-50°	783.7	13.7
50°-60°	601.0	10.5
60°-70°	390.3	6.8
70°-80°	189.4	3.3
80°-90°	45.3	0.8
90°-100°	16.3	0.3
100°-110°	108.2	1.9
110°-120°	194.9	3.4
120°-130°	250.2	4.4
130°-140°	269.1	4.7
140°-150°	252.6	4.4
150°-160°	204.3	3.6
160°-170°	132.1	2.3
170°-180°	45.6	0.8
0°-30°	1344.7	23.6
0°-40°	2225.0	39.0
0°-60°	3609.7	63.2
0°-90°	4234.7	74.2
90°-120°	319.5	5.6
90°-150°	1091.3	19.1
90°-180°	1473.0	25.8
0°-180°	5708.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1634	1634	1634	1634	1634	
5°	1630	1873	1630	1440	1630	155
15°	1562	2250	1551	1095	1562	440
25°	1428	2694	1412	880	1428	658
35°	1244	2235	1226	718	1244	774
45°	973	1000	971	565	973	751
55°	687	549	686	423	687	616
65°	427	311	429	251	427	427
75°	208	145	208	132	208	223
85°	47	31	46	35	47	53
90°	0	8	0	8	0	4
95°	20	8	20	8	20	25
105°	104	106	104	106	104	111
115°	196	195	196	195	196	195
125°	279	279	279	279	279	249
135°	348	347	348	347	348	268
145°	404	402	404	402	404	252
155°	444	441	444	441	444	205
165°	469	466	469	466	469	132
175°	480	478	480	478	480	46
180°	480	480	480	480	480	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1635.6	1649.0	1653.0	1663.8	1675.8	1678.5	1685.2	1694.6	1700.0	1698.7	1698.7
5°	1630.2	1653.0	1669.1	1687.9	1710.7	1720.1	1728.2	1748.3	1764.4	1773.8	1789.9
7.5°	1620.8	1654.4	1681.2	1709.4	1744.3	1760.4	1777.8	1806.0	1835.5	1854.3	1871.7
10°	1606.1	1649.0	1686.6	1728.2	1775.1	1799.3	1820.8	1863.7	1899.9	1924.1	1964.3
12.5°	1584.6	1638.3	1690.6	1745.6	1804.6	1830.1	1859.7	1906.6	1957.6	1992.5	2026.0
15°	1561.8	1626.2	1682.6	1748.3	1819.4	1858.3	1895.9	1945.5	1991.2	2030.1	2069.0
17.5°	1535.0	1603.4	1673.2	1748.3	1828.8	1867.7	1899.9	1959.0	2007.3	2046.2	2081.0
20°	1502.8	1579.2	1658.4	1741.6	1823.4	1859.7	1890.5	1954.9	1997.9	2039.5	2089.1
22.5°	1467.9	1551.1	1635.6	1717.4	1797.9	1836.9	1873.1	1929.4	1976.4	2032.7	2097.2
25°	1427.6	1518.9	1604.7	1686.6	1763.1	1799.3	1831.5	1893.2	1959.0	2030.1	2102.5
27.5°	1387.4	1475.9	1559.1	1634.2	1717.4	1751.0	1783.2	1861.0	1938.8	2014.0	2113.3
30°	1343.1	1433.0	1505.4	1575.2	1655.7	1690.6	1730.9	1819.4	1908.0	2009.9	2130.7
32.5°	1293.4	1375.3	1442.4	1514.8	1587.3	1630.2	1681.2	1777.8	1879.8	2001.9	2156.2
35°	1243.8	1309.5	1371.3	1439.7	1526.9	1572.5	1622.2	1724.1	1851.6	1997.9	2177.7
37.5°	1180.7	1243.8	1292.1	1361.9	1451.8	1505.4	1555.1	1673.2	1818.1	1988.5	2176.3
40°	1116.3	1170.0	1215.6	1288.1	1386.0	1435.7	1489.3	1618.1	1783.2	1961.6	2144.1
42.5°	1046.6	1092.2	1141.8	1211.6	1306.9	1355.2	1416.9	1567.2	1734.9	1924.1	2060.9
45°	972.8	1017.0	1058.6	1131.1	1226.4	1278.7	1345.8	1500.1	1675.8	1844.9	1926.7
47.5°	900.3	939.2	983.5	1046.6	1143.2	1200.9	1269.3	1434.3	1596.7	1738.9	1745.6
50°	830.5	861.4	899.0	963.4	1064.0	1119.0	1190.1	1344.4	1502.8	1600.7	1535.0
52.5°	758.1	786.3	825.2	881.5	975.5	1039.9	1101.6	1255.9	1388.7	1454.5	1333.7
55°	687.0	711.1	751.4	814.4	896.3	945.9	1009.0	1152.6	1269.3	1270.6	1139.1
57.5°	617.2	638.7	672.2	728.6	805.0	862.7	920.4	1045.2	1124.4	1101.6	955.3
60°	555.5	568.9	599.8	654.8	725.9	767.5	829.2	933.9	986.2	944.6	787.6
62.5°	491.1	504.5	528.6	572.9	640.0	684.3	723.2	809.1	845.3	782.2	653.4
65°	426.7	442.8	460.2	495.1	558.2	587.7	622.6	685.6	720.5	646.7	535.4
67.5°	370.3	378.4	395.8	432.0	476.3	503.2	527.3	570.2	577.0	517.9	426.7
70°	318.0	320.7	336.8	358.2	391.8	407.9	428.0	453.5	453.5	405.2	332.8
72.5°	259.0	263.0	275.1	297.9	318.0	326.0	332.8	348.9	346.2	301.9	252.2
75°	208.0	210.7	220.0	230.8	238.8	253.6	259.0	256.3	254.9	217.4	189.2
77.5°	161.0	162.4	169.1	178.5	179.8	185.2	181.1	181.1	169.1	147.6	132.8
80°	118.1	119.4	122.1	124.8	124.8	124.8	124.8	118.1	110.0	96.6	92.6
82.5°	79.2	79.2	80.5	83.2	81.8	79.2	76.5	69.8	64.4	60.4	57.7
85°	47.0	47.0	48.3	47.0	41.6	40.3	37.6	36.2	34.9	33.5	33.5
87.5°	22.8	21.5	18.8	16.1	16.1	16.1	16.1	16.1	16.1	14.8	14.8
90°	0.4	1.0	1.6	2.3	2.9	3.2	3.5	4.0	4.6	5.1	5.7
92.5°	6.8	6.1	5.4	4.7	4.0	3.6	3.8	4.3	4.8	5.2	5.7
95°	20.3	20.1	19.8	19.6	19.3	19.2	17.7	14.7	11.7	8.7	5.7
97.5°	38.0	38.5	39.0	39.5	40.0	40.2	36.4	28.9	21.4	13.9	6.4
100°	59.4	59.6	59.8	60.1	60.3	60.4	60.6	60.9	61.2	61.6	61.9
102.5°	81.1	81.4	81.7	82.0	82.3	82.5	82.6	82.7	82.9	83.0	83.2
105°	104.5	104.8	105.1	105.4	105.7	105.9	105.9	105.9	105.9	105.9	105.9
107.5°	128.7	128.7	128.7	128.7	128.7	128.7	128.8	128.9	129.1	129.2	129.4
110°	152.2	152.2	152.2	152.2	152.2	152.2	152.3	152.4	152.6	152.7	152.9

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CANDELA DISTRIBUTION (continued):

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

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1705.4	1714.8	1722.8	1718.8	1734.9	1733.5	1736.2	1741.6	1742.9	1740.2	1734.9
5°	1797.9	1811.4	1834.2	1846.2	1843.6	1854.3	1859.7	1867.7	1875.8	1873.1	1873.1
7.5°	1901.3	1920.0	1942.8	1973.7	1977.7	1987.1	2003.2	2003.2	2012.6	2008.6	2007.3
10°	1991.2	2014.0	2050.2	2074.3	2085.1	2090.4	2106.5	2111.9	2122.6	2124.0	2124.0
12.5°	2064.9	2105.2	2129.4	2153.5	2158.9	2166.9	2179.0	2187.0	2191.1	2191.1	2187.0
15°	2103.9	2136.1	2164.2	2189.7	2204.5	2211.2	2223.3	2232.7	2238.0	2250.1	2252.8
17.5°	2120.0	2158.9	2204.5	2240.7	2266.2	2272.9	2297.1	2305.1	2315.9	2321.2	2327.9
20°	2142.8	2199.1	2254.1	2298.4	2322.6	2340.0	2365.5	2403.1	2413.8	2413.8	2409.8
22.5°	2162.9	2235.4	2310.5	2381.6	2401.7	2436.6	2483.6	2523.8	2539.9	2546.6	2541.3
25°	2187.0	2286.3	2384.3	2472.8	2527.9	2553.3	2616.4	2664.7	2683.5	2694.2	2696.9
27.5°	2228.6	2353.4	2478.2	2590.9	2647.3	2676.8	2742.5	2784.1	2806.9	2816.3	2809.6
30°	2275.6	2428.6	2573.5	2674.1	2711.7	2747.9	2790.8	2806.9	2801.6	2801.6	2821.7
32.5°	2323.9	2482.2	2611.0	2676.8	2690.2	2684.8	2667.4	2619.1	2590.9	2590.9	2608.4
35°	2350.7	2487.6	2553.3	2531.9	2479.5	2448.7	2353.4	2299.8	2239.4	2235.4	2255.5
37.5°	2336.0	2395.0	2368.2	2227.3	2156.2	2097.2	1948.2	1889.2	1844.9	1783.2	1878.4
40°	2232.7	2212.5	2073.0	1870.4	1791.2	1708.0	1590.0	1530.9	1469.2	1459.8	1482.6
42.5°	2058.2	1938.8	1734.9	1539.0	1458.5	1399.4	1309.5	1251.9	1212.9	1196.8	1223.7
45°	1840.9	1653.0	1449.1	1293.4	1204.9	1174.0	1092.2	1041.2	1011.7	999.6	1018.4
47.5°	1575.2	1386.0	1192.8	1061.3	1009.0	978.1	923.1	878.8	853.4	845.3	853.4
50°	1337.7	1143.2	980.8	896.3	849.3	823.8	778.2	750.0	729.9	724.5	738.0
52.5°	1132.4	955.3	831.9	756.7	725.9	704.4	672.2	648.1	636.0	630.6	640.0
55°	948.6	805.0	705.8	641.4	618.5	605.1	577.0	563.5	550.1	548.8	558.2
57.5°	786.3	687.0	595.7	550.1	543.4	523.3	499.1	487.1	480.3	479.0	483.0
60°	654.8	566.2	511.2	471.0	461.6	445.5	432.0	424.0	415.9	413.3	415.9
62.5°	544.7	475.0	430.7	403.9	390.4	386.4	371.7	362.3	360.9	360.9	363.6
65°	449.5	390.4	362.3	340.8	331.4	327.4	316.7	309.9	311.3	311.3	312.6
67.5°	366.3	323.4	297.9	287.1	279.1	277.7	267.0	264.3	261.6	261.6	264.3
70°	291.2	264.3	245.5	240.2	238.8	229.4	225.4	224.1	220.0	221.4	221.4
72.5°	228.1	210.7	199.9	191.9	193.2	187.8	182.5	182.5	179.8	183.8	183.8
75°	169.1	161.0	153.0	150.3	153.0	150.3	146.3	144.9	146.3	144.9	144.9
77.5°	124.8	120.8	118.1	116.7	116.7	111.4	108.7	111.4	106.0	108.7	108.7
80°	87.2	81.8	80.5	77.8	79.2	75.1	76.5	73.8	73.8	73.8	73.8
82.5°	55.0	53.7	53.7	53.7	52.3	52.3	52.3	52.3	52.3	52.3	51.0
85°	33.5	32.2	32.2	32.2	30.9	30.9	30.9	30.9	30.9	30.9	30.9
87.5°	13.4	14.8	14.8	16.1	14.8	13.4	13.4	13.4	14.8	14.8	13.4
90°	6.1	6.5	6.9	7.3	7.5	7.6	7.8	8.1	8.3	8.5	8.3
92.5°	6.1	6.5	6.9	7.3	7.5	7.5	7.6	7.7	7.7	7.8	7.7
95°	6.1	6.5	6.9	7.3	7.5	7.5	7.5	7.5	7.5	7.5	7.5
97.5°	6.6	6.7	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.5	7.4
100°	50.1	38.3	26.6	14.8	8.9	8.7	8.4	8.1	7.8	7.5	7.8
102.5°	83.4	83.5	83.7	83.8	83.9	80.6	73.9	67.3	60.6	54.0	60.6
105°	105.9	105.9	105.9	105.9	105.9	105.9	105.8	105.7	105.7	105.6	105.7
107.5°	129.5	129.6	129.7	129.8	129.8	129.6	129.3	129.0	128.6	128.3	128.6
110°	152.7	152.4	152.2	151.9	151.8	151.8	151.9	152.0	152.1	152.2	152.1

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1741.6	1732.2	1736.2	1732.2	1728.2	1724.1	1714.8	1701.3	1690.6	1682.6	1681.2
5°	1875.8	1863.7	1855.6	1851.6	1843.6	1832.8	1815.4	1795.3	1771.1	1761.7	1742.9
7.5°	1999.2	1995.2	1976.4	1973.7	1968.3	1948.2	1918.7	1891.9	1861.0	1835.5	1811.4
10°	2115.9	2106.5	2093.1	2074.3	2071.7	2046.2	2018.0	1980.4	1940.2	1916.0	1873.1
12.5°	2188.4	2177.7	2162.9	2150.8	2144.1	2128.0	2089.1	2051.5	2015.3	1971.0	1933.5
15°	2240.7	2227.3	2200.5	2191.1	2183.0	2161.6	2133.4	2094.5	2046.2	2015.3	1961.6
17.5°	2311.8	2295.7	2268.9	2251.5	2236.7	2203.1	2162.9	2110.6	2064.9	2030.1	1981.8
20°	2393.7	2369.5	2334.6	2311.8	2290.4	2251.5	2195.1	2133.4	2067.6	2024.7	1975.1
22.5°	2529.2	2483.6	2428.6	2396.4	2366.8	2299.8	2232.7	2156.2	2082.4	2018.0	1957.6
25°	2660.7	2615.1	2546.6	2502.4	2456.7	2378.9	2290.4	2184.4	2090.4	2015.3	1936.1
27.5°	2782.8	2735.8	2672.8	2619.1	2574.8	2458.1	2341.3	2221.9	2102.5	1999.2	1918.7
30°	2811.0	2790.8	2742.5	2695.6	2655.3	2548.0	2412.5	2260.8	2117.3	1984.4	1894.5
32.5°	2640.6	2690.2	2702.3	2695.6	2670.1	2593.6	2468.8	2309.1	2138.7	1977.7	1854.3
35°	2286.3	2376.2	2468.8	2518.5	2542.6	2553.3	2479.5	2333.3	2153.5	1967.0	1827.5
37.5°	1895.9	1983.1	2129.4	2203.1	2285.0	2392.3	2421.9	2327.9	2146.8	1959.0	1784.5
40°	1557.8	1669.1	1789.9	1857.0	1928.1	2121.3	2267.6	2256.8	2125.3	1929.4	1751.0
42.5°	1268.0	1337.7	1443.7	1517.5	1604.7	1820.8	2016.6	2113.3	2060.9	1893.2	1708.0
45°	1057.3	1111.0	1186.1	1261.2	1314.9	1510.8	1742.9	1901.3	1950.9	1828.8	1642.3
47.5°	890.9	931.2	996.9	1043.9	1101.6	1255.9	1457.1	1679.9	1784.5	1737.6	1572.5
50°	763.5	795.7	848.0	877.5	928.5	1061.3	1214.3	1447.7	1606.1	1611.4	1479.9
52.5°	652.1	684.3	728.6	754.1	784.9	874.8	1029.1	1226.4	1408.8	1475.9	1373.9
55°	567.6	586.3	622.6	642.7	670.9	758.1	856.0	1023.8	1214.3	1324.3	1259.9
57.5°	489.7	509.9	532.7	548.8	568.9	638.7	727.2	853.4	1042.5	1162.0	1140.5
60°	426.7	438.8	460.2	472.3	491.1	536.7	598.4	724.5	874.8	987.5	999.6
62.5°	367.6	378.4	393.1	403.9	415.9	452.2	497.8	587.7	719.2	841.3	857.4
65°	316.7	326.0	334.1	343.5	352.9	375.7	414.6	484.4	586.3	700.4	735.3
67.5°	271.0	273.7	285.8	287.1	292.5	309.9	338.1	394.5	468.3	559.5	605.1
70°	226.8	232.1	234.8	238.8	244.2	256.3	279.1	308.6	363.6	437.4	480.3
72.5°	183.8	185.2	189.2	191.9	197.2	206.6	217.4	240.2	275.1	328.7	367.6
75°	146.3	147.6	150.3	151.6	155.6	158.3	163.7	179.8	203.9	236.1	264.3
77.5°	110.0	112.7	115.4	115.4	116.7	119.4	122.1	127.5	139.5	161.0	185.2
80°	75.1	76.5	76.5	77.8	76.5	80.5	84.5	91.2	96.6	103.3	115.4
82.5°	52.3	52.3	52.3	53.7	53.7	55.0	55.0	56.4	57.7	61.7	67.1
85°	32.2	32.2	33.5	30.9	32.2	33.5	33.5	32.2	33.5	34.9	36.2
87.5°	13.4	13.4	14.8	14.8	14.8	14.8	13.4	14.8	13.4	14.8	14.8
90°	8.1	7.8	7.6	7.5	7.3	6.9	6.5	6.1	5.7	5.1	4.6
92.5°	7.7	7.6	7.5	7.5	7.3	6.9	6.5	6.1	5.7	5.2	4.8
95°	7.5	7.5	7.5	7.5	7.3	6.9	6.5	6.1	5.7	8.7	11.7
97.5°	7.3	7.2	7.1	7.1	7.0	6.9	6.7	6.6	6.4	13.9	21.4
100°	8.1	8.4	8.7	8.9	14.8	26.6	38.3	50.1	61.9	61.6	61.2
102.5°	67.3	73.9	80.6	83.9	83.8	83.7	83.5	83.4	83.2	83.0	82.9
105°	105.7	105.8	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
107.5°	129.0	129.3	129.6	129.8	129.8	129.7	129.6	129.5	129.4	129.2	129.1
110°	152.0	151.9	151.8	151.8	151.9	152.2	152.4	152.7	152.9	152.7	152.6

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1677.2	1669.1	1663.8	1662.4	1654.4	1647.7	1639.6	1638.3	1634.2	1623.5	1616.8
5°	1729.5	1710.7	1706.7	1694.6	1674.5	1659.7	1641.0	1630.2	1618.1	1598.0	1581.9
7.5°	1783.2	1757.7	1738.9	1721.5	1693.3	1666.4	1639.6	1618.1	1596.7	1567.2	1543.0
10°	1835.5	1796.6	1773.8	1748.3	1709.4	1669.1	1631.6	1600.7	1565.8	1530.9	1496.0
12.5°	1883.8	1834.2	1800.6	1764.4	1716.1	1666.4	1618.1	1575.2	1539.0	1492.0	1453.1
15°	1913.3	1858.3	1824.8	1789.9	1717.4	1662.4	1606.1	1551.1	1502.8	1453.1	1416.9
17.5°	1930.8	1869.1	1831.5	1799.3	1725.5	1650.3	1577.9	1518.9	1466.5	1407.5	1359.2
20°	1922.7	1862.3	1827.5	1796.6	1710.7	1635.6	1557.8	1489.3	1423.6	1363.2	1312.2
22.5°	1905.3	1842.2	1803.3	1775.1	1698.7	1610.1	1524.2	1450.4	1382.0	1321.6	1263.9
25°	1867.7	1806.0	1772.4	1737.6	1662.4	1577.9	1490.7	1411.5	1339.1	1274.7	1210.3
27.5°	1834.2	1759.0	1724.1	1693.3	1614.1	1539.0	1453.1	1365.9	1292.1	1225.0	1160.6
30°	1795.3	1710.7	1673.2	1631.6	1560.5	1489.3	1403.5	1323.0	1246.5	1175.4	1113.7
32.5°	1753.7	1655.7	1612.8	1565.8	1493.4	1426.3	1353.8	1274.7	1198.2	1128.4	1064.0
35°	1700.0	1595.3	1545.7	1501.4	1426.3	1359.2	1292.1	1226.4	1149.9	1076.1	1014.4
37.5°	1649.0	1533.6	1481.3	1430.3	1351.1	1286.7	1231.7	1170.0	1096.2	1025.1	966.1
40°	1591.3	1458.5	1404.8	1357.8	1276.0	1204.9	1155.2	1106.9	1042.5	974.1	909.7
42.5°	1539.0	1388.7	1332.4	1284.1	1198.2	1131.1	1084.1	1043.9	987.5	924.5	858.7
45°	1466.5	1313.6	1255.9	1204.9	1117.7	1054.6	1006.3	971.4	927.1	868.1	809.1
47.5°	1399.4	1241.1	1178.1	1116.3	1037.2	972.8	928.5	901.7	872.1	819.8	759.4
50°	1317.6	1157.9	1093.5	1042.5	952.6	897.6	853.4	834.6	807.7	758.1	709.8
52.5°	1229.0	1077.4	1017.0	955.3	872.1	818.5	779.6	758.1	736.6	700.4	654.8
55°	1125.7	987.5	931.2	876.2	793.0	743.3	708.4	685.6	673.6	640.0	606.5
57.5°	1026.4	896.3	844.0	793.0	720.5	664.2	641.4	621.2	603.8	579.6	551.5
60°	925.8	807.7	751.4	705.8	642.7	591.7	572.9	552.8	539.4	520.6	500.5
62.5°	810.4	709.8	666.8	623.9	570.2	530.0	508.5	492.4	475.0	462.9	445.5
65°	688.3	617.2	575.6	543.4	492.4	456.2	440.1	429.4	414.6	402.5	389.1
67.5°	574.3	517.9	500.5	465.6	426.7	394.5	382.4	369.0	356.9	350.2	338.1
70°	464.2	424.0	406.5	397.2	354.2	332.8	322.0	316.7	301.9	295.2	287.1
72.5°	359.6	344.8	332.8	320.7	292.5	279.1	267.0	261.6	250.9	245.5	242.9
75°	265.7	256.3	249.6	248.2	236.1	222.7	210.7	208.0	199.9	194.6	191.9
77.5°	186.5	183.8	182.5	183.8	175.8	167.7	165.0	162.4	153.0	151.6	151.6
80°	122.1	128.8	128.8	127.5	124.8	123.4	119.4	116.7	111.4	110.0	111.4
82.5°	75.1	79.2	80.5	83.2	81.8	80.5	77.8	76.5	77.8	75.1	76.5
85°	37.6	40.3	45.6	45.6	47.0	47.0	47.0	45.6	42.9	44.3	42.9
87.5°	14.8	16.1	16.1	16.1	14.8	18.8	20.1	20.1	20.1	17.4	17.4
90°	4.0	3.5	3.2	2.9	2.3	1.6	1.0	0.4	1.0	1.6	2.3
92.5°	4.3	3.8	3.6	4.0	4.7	5.4	6.1	6.8	6.1	5.4	4.7
95°	14.7	17.7	19.2	19.3	19.6	19.8	20.1	20.3	20.1	19.8	19.6
97.5°	28.9	36.4	40.2	40.0	39.5	39.0	38.5	38.0	38.5	39.0	39.5
100°	60.9	60.6	60.4	60.3	60.1	59.8	59.6	59.4	59.6	59.8	60.1
102.5°	82.7	82.6	82.5	82.3	82.0	81.7	81.4	81.1	81.4	81.7	82.0
105°	105.9	105.9	105.9	105.7	105.4	105.1	104.8	104.5	104.8	105.1	105.4
107.5°	128.9	128.8	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
110°	152.4	152.3	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1612.8	1607.4	1603.4	1599.4	1581.9	1563.1	1560.5	1556.4	1548.4	1557.8	1553.7
5°	1571.2	1559.1	1552.4	1535.0	1513.5	1497.4	1484.0	1467.9	1461.2	1455.8	1454.5
7.5°	1520.2	1509.5	1497.4	1479.9	1453.1	1426.3	1406.2	1390.0	1376.6	1369.9	1369.9
10°	1470.6	1457.1	1441.0	1411.5	1386.0	1352.5	1331.0	1314.9	1296.1	1285.4	1276.0
12.5°	1419.6	1404.8	1390.0	1352.5	1323.0	1288.1	1257.2	1237.1	1227.7	1215.6	1199.5
15°	1368.6	1345.8	1331.0	1293.4	1255.9	1221.0	1200.9	1179.4	1157.9	1145.9	1140.5
17.5°	1314.9	1298.8	1274.7	1234.4	1192.8	1162.0	1132.4	1112.3	1086.8	1074.7	1062.7
20°	1266.6	1242.5	1218.3	1178.1	1137.8	1096.2	1066.7	1042.5	1026.4	1017.0	1006.3
22.5°	1208.9	1186.1	1166.0	1123.0	1078.8	1039.9	1007.7	992.9	976.8	962.0	951.3
25°	1159.3	1136.5	1116.3	1069.4	1021.1	984.8	960.7	941.9	924.5	917.8	907.0
27.5°	1106.9	1085.5	1058.6	1011.7	968.7	937.9	912.4	894.9	881.5	868.1	860.1
30°	1057.3	1033.1	1009.0	958.0	923.1	892.3	868.1	846.6	835.9	829.2	815.8
32.5°	1009.0	978.1	958.0	911.0	877.5	848.0	827.9	809.1	795.7	783.6	772.8
35°	956.7	923.1	903.0	864.1	829.2	799.7	782.2	768.8	752.7	742.0	736.6
37.5°	907.0	878.8	858.7	818.5	783.6	759.4	740.6	723.2	716.5	701.7	699.1
40°	853.4	829.2	810.4	771.5	739.3	720.5	700.4	684.3	672.2	665.5	656.1
42.5°	805.0	784.9	764.8	728.6	697.7	674.9	660.1	645.4	634.6	623.9	617.2
45°	760.8	739.3	720.5	685.6	654.8	634.6	619.9	602.4	599.8	585.0	578.3
47.5°	713.8	695.0	678.9	642.7	614.5	594.4	577.0	564.9	552.8	547.4	538.0
50°	668.2	649.4	630.6	598.4	572.9	552.8	535.4	521.9	515.2	507.2	499.1
52.5°	618.5	603.8	589.0	555.5	530.0	512.5	497.8	480.3	473.6	466.9	461.6
55°	577.0	555.5	539.4	511.2	488.4	469.6	453.5	440.1	433.4	428.0	421.3
57.5°	520.6	507.2	493.8	468.3	446.8	428.0	411.9	401.2	393.1	389.1	390.4
60°	472.3	457.5	449.5	422.7	401.2	386.4	371.7	360.9	352.9	348.9	347.5
62.5°	421.3	410.6	395.8	377.0	355.6	342.1	331.4	323.4	309.9	308.6	304.6
65°	371.7	363.6	350.2	332.8	315.3	303.2	291.2	280.4	275.1	268.3	264.3
67.5°	323.4	315.3	303.2	288.5	276.4	264.3	253.6	242.9	233.5	228.1	225.4
70°	276.4	269.7	261.6	244.2	229.4	220.0	212.0	205.3	195.9	193.2	191.9
72.5°	230.8	224.1	220.0	205.3	191.9	183.8	175.8	169.1	165.0	163.7	159.7
75°	189.2	182.5	177.1	163.7	155.6	150.3	142.2	139.5	135.5	134.2	132.8
77.5°	147.6	140.9	139.5	130.1	120.8	118.1	115.4	110.0	110.0	110.0	107.3
80°	106.0	104.7	103.3	93.9	89.9	87.2	85.9	81.8	79.2	76.5	75.1
82.5°	71.1	69.8	68.4	64.4	60.4	59.0	57.7	55.0	55.0	56.4	53.7
85°	42.9	40.3	38.9	37.6	34.9	34.9	36.2	34.9	34.9	34.9	33.5
87.5°	16.1	16.1	16.1	16.1	17.4	14.8	16.1	16.1	14.8	14.8	13.4
90°	2.9	3.2	3.5	4.0	4.6	5.1	5.7	6.1	6.5	6.9	7.3
92.5°	4.0	3.6	3.8	4.3	4.8	5.2	5.7	6.1	6.5	6.9	7.3
95°	19.3	19.2	17.7	14.7	11.7	8.7	5.7	6.1	6.5	6.9	7.3
97.5°	40.0	40.2	36.4	28.9	21.4	13.9	6.4	6.6	6.7	6.9	7.0
100°	60.3	60.4	60.6	60.9	61.2	61.6	61.9	50.1	38.3	26.6	14.8
102.5°	82.3	82.5	82.6	82.7	82.9	83.0	83.2	83.4	83.5	83.7	83.8
105°	105.7	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
107.5°	128.7	128.7	128.8	128.9	129.1	129.2	129.4	129.5	129.6	129.7	129.8
110°	152.2	152.2	152.3	152.4	152.6	152.7	152.9	152.7	152.4	152.2	151.9

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1547.0	1549.7	1543.0	1540.3	1535.0	1541.7	1543.0	1541.7	1553.7	1548.4	1551.1
5°	1457.1	1451.8	1447.7	1438.4	1438.4	1439.7	1443.7	1437.0	1441.0	1450.4	1449.1
7.5°	1357.8	1355.2	1356.5	1345.8	1337.7	1340.4	1337.7	1349.8	1356.5	1353.8	1359.2
10°	1268.0	1273.3	1261.2	1255.9	1250.5	1255.9	1254.5	1257.2	1265.3	1270.6	1280.0
12.5°	1195.5	1194.2	1187.4	1182.1	1172.7	1175.4	1183.4	1180.7	1182.1	1194.2	1192.8
15°	1127.1	1119.0	1113.7	1101.6	1104.3	1094.9	1102.9	1112.3	1116.3	1127.1	1133.8
17.5°	1058.6	1057.3	1050.6	1049.2	1034.5	1030.5	1038.5	1041.2	1045.2	1050.6	1060.0
20°	1000.9	999.6	990.2	987.5	975.5	983.5	980.8	986.2	988.9	999.6	1003.6
22.5°	948.6	941.9	939.2	935.2	931.2	929.8	935.2	933.9	943.2	947.3	948.6
25°	900.3	894.9	893.6	886.9	884.2	880.2	884.2	888.2	899.0	903.0	908.4
27.5°	856.0	852.0	849.3	844.0	839.9	839.9	842.6	848.0	852.0	854.7	857.4
30°	815.8	813.1	805.0	802.4	798.3	798.3	798.3	801.0	807.7	815.8	819.8
32.5°	774.2	768.8	763.5	763.5	759.4	759.4	760.8	763.5	770.2	771.5	778.2
35°	733.9	728.6	724.5	721.9	723.2	717.8	720.5	724.5	732.6	735.3	739.3
37.5°	695.0	693.7	685.6	681.6	684.3	684.3	682.9	685.6	691.0	696.4	699.1
40°	652.1	649.4	649.4	645.4	646.7	641.4	645.4	648.1	650.7	656.1	660.1
42.5°	614.5	611.8	606.5	607.8	603.8	603.8	606.5	607.8	611.8	618.5	621.2
45°	574.3	574.3	571.6	567.6	568.9	564.9	567.6	568.9	574.3	581.0	578.3
47.5°	535.4	534.0	534.0	528.6	531.3	527.3	531.3	532.7	535.4	539.4	538.0
50°	497.8	493.8	495.1	493.8	492.4	492.4	495.1	495.1	497.8	497.8	501.8
52.5°	458.9	458.9	456.2	457.5	460.2	457.5	461.6	457.5	460.2	461.6	464.2
55°	424.0	421.3	422.7	421.3	426.7	422.7	426.7	424.0	426.7	425.3	428.0
57.5°	386.4	382.4	383.7	382.4	386.4	385.1	389.1	385.1	386.4	387.8	391.8
60°	343.5	343.5	343.5	340.8	344.8	344.8	343.5	343.5	348.9	351.5	350.2
62.5°	303.2	301.9	297.9	296.5	297.9	295.2	300.6	299.2	301.9	304.6	307.3
65°	259.0	256.3	254.9	252.2	252.2	250.9	252.2	257.6	259.0	260.3	267.0
67.5°	222.7	221.4	220.0	216.0	216.0	218.7	218.7	218.7	226.8	222.7	228.1
70°	190.5	187.8	185.2	183.8	183.8	185.2	186.5	187.8	186.5	191.9	193.2
72.5°	159.7	161.0	158.3	158.3	158.3	157.0	157.0	159.7	161.0	159.7	161.0
75°	132.8	132.8	131.5	132.8	132.8	131.5	131.5	134.2	134.2	132.8	136.9
77.5°	107.3	106.0	103.3	100.6	102.0	100.6	102.0	100.6	104.7	108.7	106.0
80°	75.1	73.8	73.8	73.8	75.1	73.8	76.5	73.8	75.1	75.1	76.5
82.5°	53.7	55.0	55.0	53.7	55.0	53.7	55.0	55.0	55.0	53.7	55.0
85°	34.9	34.9	34.9	34.9	33.5	34.9	34.9	34.9	36.2	34.9	36.2
87.5°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	16.1	14.8	16.1
90°	7.5	7.6	7.8	8.1	8.3	8.5	8.3	8.1	7.8	7.6	7.5
92.5°	7.5	7.5	7.6	7.7	7.7	7.8	7.7	7.7	7.6	7.5	7.5
95°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
97.5°	7.1	7.1	7.2	7.3	7.4	7.5	7.4	7.3	7.2	7.1	7.1
100°	8.9	8.7	8.4	8.1	7.8	7.5	7.8	8.1	8.4	8.7	8.9
102.5°	83.9	80.6	73.9	67.3	60.6	54.0	60.6	67.3	73.9	80.6	83.9
105°	105.9	105.9	105.8	105.7	105.7	105.6	105.7	105.7	105.8	105.9	105.9
107.5°	129.8	129.6	129.3	129.0	128.6	128.3	128.6	129.0	129.3	129.6	129.8
110°	151.8	151.8	151.9	152.0	152.1	152.2	152.1	152.0	151.9	151.8	151.8

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1545.7	1552.4	1547.0	1543.0	1553.7	1559.1	1559.1	1568.5	1577.9	1585.9	1587.3
5°	1450.4	1461.2	1463.8	1462.5	1478.6	1486.7	1504.1	1513.5	1526.9	1536.3	1547.0
7.5°	1363.2	1378.0	1379.3	1382.0	1406.2	1419.6	1434.3	1458.5	1477.3	1490.7	1502.8
10°	1276.0	1285.4	1294.8	1306.9	1331.0	1353.8	1375.3	1400.8	1424.9	1438.4	1455.8
12.5°	1210.3	1217.0	1227.7	1235.7	1261.2	1281.4	1309.5	1344.4	1379.3	1390.0	1411.5
15°	1141.8	1145.9	1167.3	1175.4	1196.8	1230.4	1247.8	1281.4	1318.9	1339.1	1363.2
17.5°	1062.7	1086.8	1100.2	1109.6	1136.5	1163.3	1191.5	1226.4	1274.7	1293.4	1310.9
20°	1006.3	1023.8	1038.5	1050.6	1074.7	1115.0	1140.5	1168.7	1214.3	1235.7	1261.2
22.5°	956.7	971.4	984.8	998.3	1014.4	1050.6	1080.1	1119.0	1164.6	1184.8	1214.3
25°	909.7	924.5	932.5	948.6	970.1	995.6	1030.5	1065.3	1111.0	1133.8	1162.0
27.5°	864.1	878.8	893.6	907.0	921.8	945.9	970.1	1014.4	1061.3	1088.2	1112.3
30°	825.2	831.9	845.3	860.1	874.8	897.6	925.8	956.7	1010.3	1034.5	1064.0
32.5°	782.2	794.3	803.7	814.4	833.2	852.0	877.5	916.4	959.3	982.2	1014.4
35°	742.0	752.7	759.4	778.2	790.3	810.4	835.9	870.8	907.0	932.5	960.7
37.5°	703.1	713.8	721.9	732.6	748.7	766.1	793.0	818.5	861.4	882.9	915.1
40°	662.8	672.2	681.6	693.7	708.4	729.9	746.0	778.2	813.1	837.3	861.4
42.5°	623.9	629.3	640.0	653.4	668.2	687.0	709.8	735.3	770.2	791.6	813.1
45°	582.3	591.7	603.8	613.2	626.6	645.4	665.5	688.3	723.2	744.7	767.5
47.5°	543.4	550.1	558.2	572.9	590.4	603.8	625.3	646.7	678.9	699.1	720.5
50°	503.2	509.9	521.9	531.3	544.7	562.2	582.3	605.1	636.0	649.4	670.9
52.5°	465.6	468.3	480.3	489.7	503.2	523.3	539.4	559.5	589.0	603.8	625.3
55°	428.0	430.7	437.4	446.8	461.6	477.7	495.1	517.9	543.4	556.8	577.0
57.5°	389.1	391.8	398.5	405.2	420.0	434.7	454.9	473.6	499.1	511.2	530.0
60°	350.2	350.2	356.9	366.3	377.0	390.4	407.9	430.7	449.5	464.2	477.7
62.5°	308.6	312.6	316.7	323.4	335.4	351.5	366.3	382.4	405.2	415.9	428.0
65°	267.0	271.0	279.1	285.8	295.2	305.9	324.7	338.1	355.6	367.6	378.4
67.5°	230.8	234.8	240.2	248.2	254.9	267.0	280.4	293.8	312.6	320.7	328.7
70°	193.2	197.2	201.3	212.0	218.7	228.1	237.5	250.9	267.0	272.4	279.1
72.5°	163.7	165.0	170.4	173.1	182.5	190.5	201.3	209.3	221.4	228.1	233.5
75°	138.2	138.2	139.5	142.2	147.6	153.0	161.0	169.1	179.8	183.8	190.5
77.5°	108.7	112.7	111.4	114.0	116.7	119.4	126.1	131.5	142.2	144.9	147.6
80°	77.8	79.2	83.2	87.2	87.2	91.2	95.3	96.6	103.3	107.3	107.3
82.5°	56.4	57.7	56.4	57.7	59.0	60.4	64.4	69.8	69.8	71.1	73.8
85°	34.9	34.9	36.2	37.6	37.6	36.2	38.9	37.6	38.9	41.6	41.6
87.5°	17.4	16.1	16.1	16.1	16.1	16.1	17.4	16.1	17.4	17.4	17.4
90°	7.3	6.9	6.5	6.1	5.7	5.1	4.6	4.0	3.5	3.2	2.9
92.5°	7.3	6.9	6.5	6.1	5.7	5.2	4.8	4.3	3.8	3.6	4.0
95°	7.3	6.9	6.5	6.1	5.7	8.7	11.7	14.7	17.7	19.2	19.3
97.5°	7.0	6.9	6.7	6.6	6.4	13.9	21.4	28.9	36.4	40.2	40.0
100°	14.8	26.6	38.3	50.1	61.9	61.6	61.2	60.9	60.6	60.4	60.3
102.5°	83.8	83.7	83.5	83.4	83.2	83.0	82.9	82.7	82.6	82.5	82.3
105°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.7
107.5°	129.8	129.7	129.6	129.5	129.4	129.2	129.1	128.9	128.8	128.7	128.7
110°	151.9	152.2	152.4	152.7	152.9	152.7	152.6	152.4	152.3	152.2	152.2

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1634.2	1634.2	1634.2	1634.2
2.5°	1596.7	1608.8	1620.8	1635.6
5°	1564.5	1585.9	1608.8	1630.2
7.5°	1529.6	1560.5	1590.0	1620.8
10°	1490.7	1529.6	1563.1	1606.1
12.5°	1447.7	1489.3	1536.3	1584.6
15°	1404.8	1457.1	1506.8	1561.8
17.5°	1364.6	1414.2	1469.2	1535.0
20°	1316.3	1371.3	1433.0	1502.8
22.5°	1265.3	1325.6	1392.7	1467.9
25°	1222.3	1284.1	1348.5	1427.6
27.5°	1175.4	1239.8	1302.8	1387.4
30°	1121.7	1191.5	1255.9	1343.1
32.5°	1070.7	1140.5	1211.6	1293.4
35°	1021.1	1089.5	1160.6	1243.8
37.5°	974.1	1035.8	1105.6	1180.7
40°	929.8	986.2	1047.9	1116.3
42.5°	873.5	939.2	996.9	1046.6
45°	825.2	878.8	932.5	972.8
47.5°	768.8	822.5	868.1	900.3
50°	721.9	764.8	802.4	830.5
52.5°	665.5	705.8	736.6	758.1
55°	610.5	645.4	672.2	687.0
57.5°	560.9	583.7	603.8	617.2
60°	505.8	523.3	540.7	555.5
62.5°	446.8	465.6	475.0	491.1
65°	394.5	406.5	421.3	426.7
67.5°	343.5	350.2	359.6	370.3
70°	289.8	293.8	303.2	318.0
72.5°	242.9	246.9	253.6	259.0
75°	193.2	197.2	202.6	208.0
77.5°	151.6	153.0	155.6	161.0
80°	110.0	114.0	116.7	118.1
82.5°	76.5	77.8	77.8	79.2
85°	48.3	45.6	45.6	47.0
87.5°	17.4	20.1	20.1	22.8
90°	2.3	1.6	1.0	0.4
92.5°	4.7	5.4	6.1	6.8
95°	19.6	19.8	20.1	20.3
97.5°	39.5	39.0	38.5	38.0
100°	60.1	59.8	59.6	59.4
102.5°	82.0	81.7	81.4	81.1
105°	105.4	105.1	104.8	104.5
107.5°	128.7	128.7	128.7	128.7
110°	152.2	152.2	152.2	152.2

TEST NUMBER: P1027075

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)