

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: P1027085

Luminaire Tested: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027085
REPORT IS A COMBINATION OF REPORTS P1005046 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIP-B1090D610UB2750-4F0-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

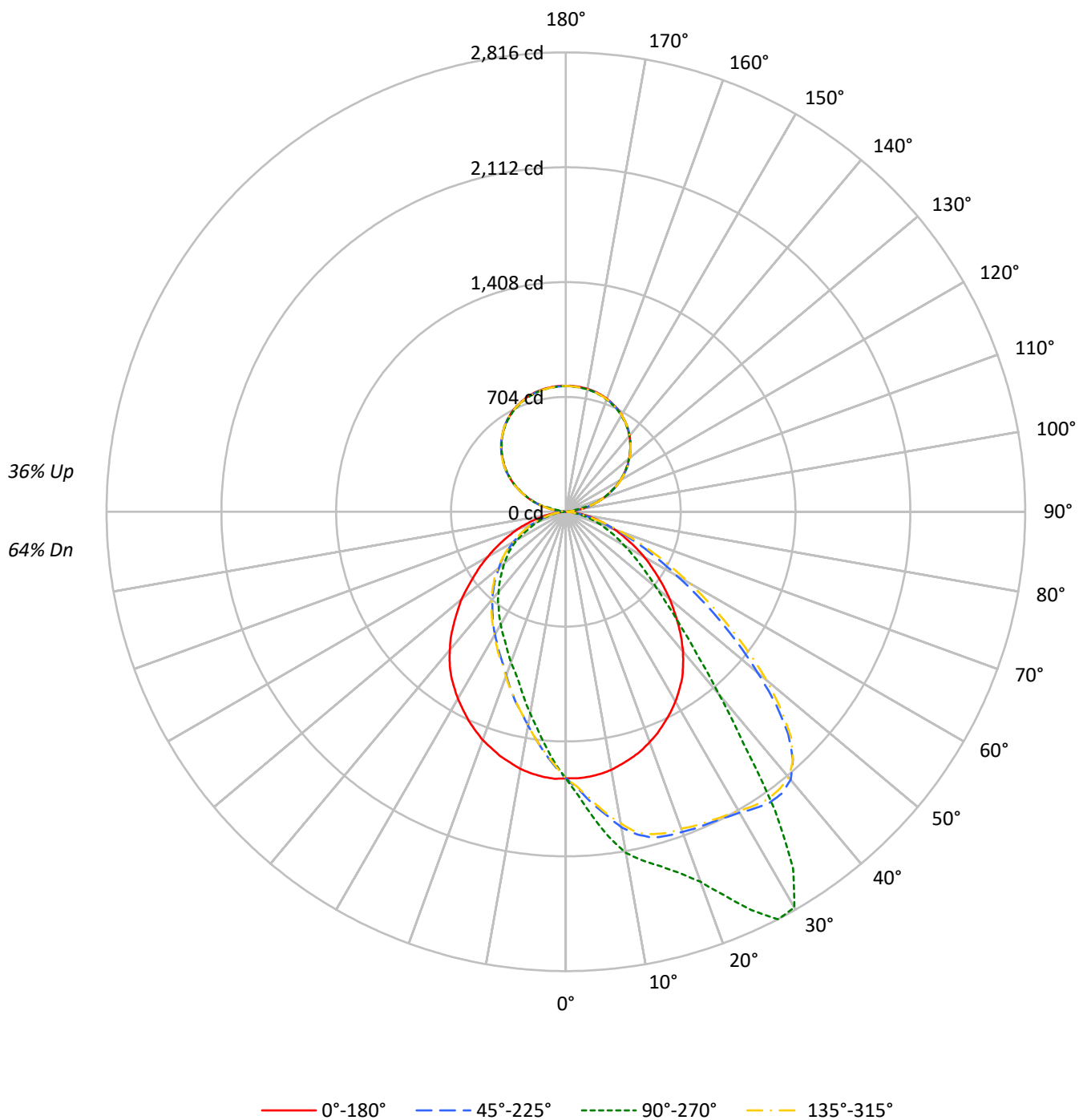
Lumens per Lamp: N/A
Luminaire Lumens: 6604.0 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 62.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	64		
1	102	97	94	90	95	92	88	85	81	78	76	71	69	68	62	61	60	55		
2	93	86	80	75	87	81	75	71	72	67	64	63	60	57	55	53	51	47		
3	85	76	68	63	80	71	65	60	64	58	54	56	52	49	49	46	44	40		
4	78	67	59	53	73	64	57	51	57	51	47	50	46	42	44	41	38	35		
5	72	60	52	46	67	57	50	44	51	45	41	45	41	37	40	36	33	31		
6	66	54	46	40	62	51	44	39	46	40	36	41	36	33	36	33	30	27		
7	61	49	41	36	58	47	39	34	42	36	32	38	33	29	33	29	26	24		
8	57	45	37	32	54	43	35	30	38	32	28	34	30	26	31	27	24	22		
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19		
10	50	38	30	25	47	36	29	25	32	27	23	29	25	21	26	22	20	18		

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	2.4
10°-20°	459.5	7.0
20°-30°	728.5	11.0
30°-40°	880.3	13.3
40°-50°	783.7	11.9
50°-60°	601.0	9.1
60°-70°	390.3	5.9
70°-80°	189.4	2.9
80°-90°	45.7	0.7
90°-100°	26.2	0.4
100°-110°	174.1	2.6
110°-120°	313.4	4.7
120°-130°	402.3	6.1
130°-140°	432.7	6.6
140°-150°	406.1	6.1
150°-160°	328.5	5.0
160°-170°	212.4	3.2
170°-180°	73.3	1.1
0°-30°	1344.7	20.4
0°-40°	2225.0	33.7
0°-60°	3609.7	54.7
0°-90°	4235.1	64.1
90°-120°	513.6	7.8
90°-150°	1754.7	26.6
90°-180°	2369.0	35.9
0°-180°	6604.0	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°	1	14	1	14	1	5
95°	33	12	33	12	33	40
105°	168	170	168	170	168	178
115°	316	313	316	313	316	313
125°	449	449	449	449	449	401
135°	560	557	560	557	560	431
145°	649	647	649	647	649	406
155°	715	709	715	709	715	329
165°	754	750	754	750	754	213
175°	771	768	771	768	771	73
180°	771	771	771	771	771	

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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°	0.6	1.6	2.6	3.6	4.6	5.1	5.5	6.4	7.3	8.2	9.1
92.5°	10.9	9.7	8.6	7.4	6.3	5.7	6.1	6.8	7.6	8.3	9.1
95°	32.6	32.2	31.8	31.5	31.1	30.9	28.5	23.6	18.8	13.9	9.1
97.5°	61.2	62.0	62.7	63.5	64.2	64.6	58.6	46.5	34.4	22.4	10.3
100°	95.5	95.9	96.3	96.6	97.0	97.2	97.5	98.0	98.5	99.0	99.5
102.5°	130.3	130.8	131.3	131.8	132.3	132.6	132.7	133.0	133.3	133.5	133.8
105°	168.1	168.6	169.1	169.6	170.1	170.4	170.4	170.4	170.4	170.4	170.4
107.5°	206.9	206.9	206.9	206.9	206.9	206.9	207.0	207.3	207.6	207.8	208.1
110°	244.7	244.7	244.7	244.7	244.7	244.7	244.8	245.1	245.3	245.6	245.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	280.1	280.5	280.9	281.2	281.6	281.8	281.9	282.0	282.1	282.3	282.4
115°	315.6	316.2	316.8	317.5	318.1	318.4	318.5	318.6	318.7	318.9	319.0
117.5°	352.7	352.7	352.7	352.7	352.7	352.7	353.0	353.5	354.0	354.5	355.0
120°	387.0	386.9	386.7	386.6	386.5	386.4	386.6	387.0	387.4	387.8	388.2
122.5°	417.3	417.9	418.6	419.2	419.9	420.2	420.3	420.4	420.5	420.6	420.7
125°	448.8	449.7	450.6	451.5	452.4	452.8	452.8	452.8	452.8	452.8	452.8
127.5°	479.0	479.6	480.3	480.9	481.6	481.9	481.8	481.7	481.6	481.4	481.3
130°	506.5	507.1	507.7	508.4	509.0	509.3	509.4	509.5	509.6	509.8	509.9
132.5°	533.9	534.7	535.5	536.2	537.0	537.4	537.2	536.8	536.4	536.0	535.6
135°	559.7	560.5	561.2	562.0	562.7	563.1	563.0	562.7	562.4	562.2	561.9
137.5°	583.7	584.5	585.2	586.0	586.7	587.1	587.0	586.7	586.4	586.2	585.9
140°	607.1	607.3	607.6	607.8	608.1	608.2	608.1	608.0	607.9	607.8	607.7
142.5°	628.3	628.4	628.5	628.6	628.7	628.8	628.9	629.2	629.5	629.7	630.0
145°	648.8	649.1	649.3	649.6	649.9	650.0	650.0	650.0	650.0	650.0	650.0
147.5°	667.1	667.1	667.1	667.1	667.1	667.1	667.2	667.3	667.4	667.6	667.7
150°	684.3	684.0	683.8	683.5	683.2	683.1	683.2	683.5	683.8	684.0	684.3
152.5°	700.9	700.3	699.6	699.0	698.3	698.0	698.1	698.4	698.6	698.9	699.1
155°	714.6	713.8	713.0	712.3	711.5	711.1	711.2	711.5	711.8	712.0	712.3
157.5°	725.4	725.0	724.6	724.3	723.9	723.7	723.7	723.7	723.7	723.7	723.7
160°	736.9	736.1	735.3	734.6	733.8	733.4	733.5	733.6	733.7	733.9	734.0
162.5°	746.0	745.2	744.5	743.7	743.0	742.6	742.7	742.8	742.9	743.1	743.2
165°	754.0	753.2	752.5	751.7	751.0	750.6	750.7	750.8	750.9	751.1	751.2
167.5°	760.3	759.5	758.8	758.0	757.3	756.9	757.0	757.1	757.2	757.3	757.4
170°	765.4	764.5	763.6	762.7	761.8	761.4	761.5	761.6	761.7	761.9	762.0
172.5°	768.9	768.0	767.1	766.2	765.3	764.9	765.0	765.3	765.5	765.8	766.0
175°	771.2	770.4	769.6	768.9	768.1	767.7	767.8	767.9	768.0	768.2	768.3
177.5°	772.9	772.1	771.4	770.6	769.9	769.5	769.6	769.7	769.8	769.9	770.0
180°	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2

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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°	9.7	10.4	11.0	11.7	12.0	12.2	12.6	12.9	13.3	13.7	13.3
92.5°	9.7	10.4	11.0	11.7	12.0	12.1	12.2	12.3	12.5	12.6	12.5
95°	9.7	10.4	11.0	11.7	12.0	12.0	12.0	12.0	12.0	12.0	12.0
97.5°	10.5	10.8	11.0	11.3	11.4	11.5	11.6	11.7	11.9	12.0	11.9
100°	80.6	61.6	42.7	23.8	14.3	14.0	13.5	13.0	12.5	12.0	12.5
102.5°	134.0	134.3	134.5	134.8	134.9	129.6	118.9	108.2	97.6	86.9	97.6
105°	170.4	170.4	170.4	170.4	170.4	170.3	170.2	170.1	169.9	169.8	169.9
107.5°	208.2	208.4	208.5	208.6	208.7	208.4	207.9	207.4	206.9	206.4	206.9
110°	245.4	245.0	244.7	244.3	244.1	244.2	244.3	244.4	244.6	244.7	244.6

TEST NUMBER: P1027085

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	281.9	281.4	280.9	280.4	280.1	280.0	279.7	279.5	279.2	279.0	279.2
115°	318.5	318.0	317.5	317.0	316.7	316.3	315.6	314.8	314.1	313.3	314.1
117.5°	354.2	353.5	352.7	352.0	351.6	351.5	351.2	350.9	350.7	350.4	350.7
120°	387.9	387.7	387.4	387.1	387.0	386.7	386.1	385.4	384.8	384.2	384.8
122.5°	420.5	420.2	420.0	419.7	419.6	419.2	418.5	417.7	417.0	416.2	417.0
125°	452.3	451.8	451.3	450.8	450.5	450.3	449.9	449.6	449.2	448.8	449.2
127.5°	481.1	480.8	480.6	480.3	480.2	479.7	478.7	477.6	476.6	475.6	476.6
130°	509.5	509.1	508.8	508.4	508.2	507.9	507.2	506.6	505.9	505.3	505.9
132.5°	535.6	535.6	535.6	535.6	535.6	535.3	534.7	534.0	533.4	532.8	533.4
135°	561.7	561.4	561.2	560.9	560.8	560.4	559.7	558.9	558.2	557.4	558.2
137.5°	585.9	585.9	585.9	585.9	585.9	585.6	585.0	584.3	583.7	583.1	583.7
140°	607.9	608.2	608.4	608.7	608.8	608.4	607.7	606.9	606.2	605.4	606.2
142.5°	630.0	630.0	630.0	630.0	630.0	629.6	628.8	628.1	627.3	626.5	627.3
145°	650.1	650.2	650.3	650.4	650.5	650.1	649.4	648.6	647.9	647.1	647.9
147.5°	667.8	668.0	668.1	668.2	668.3	667.9	667.0	666.1	665.2	664.3	665.2
150°	684.5	684.8	685.0	685.3	685.4	684.9	683.9	682.8	681.8	680.8	681.8
152.5°	699.4	699.6	699.9	700.2	700.3	699.9	699.0	698.1	697.2	696.3	697.2
155°	712.7	713.1	713.4	713.8	714.0	713.5	712.5	711.4	710.4	709.4	710.4
157.5°	724.1	724.5	724.8	725.2	725.4	724.9	723.9	722.9	721.9	720.9	721.9
160°	734.5	735.0	735.5	736.0	736.3	735.8	734.8	733.7	732.7	731.7	732.7
162.5°	744.0	744.7	745.5	746.2	746.6	746.0	744.9	743.7	742.6	741.4	742.6
165°	752.0	752.7	753.5	754.2	754.6	754.1	753.1	752.0	751.0	750.0	751.0
167.5°	758.3	759.2	760.1	761.0	761.4	760.8	759.7	758.6	757.4	756.3	757.4
170°	763.0	764.0	765.1	766.1	766.6	766.0	764.9	763.7	762.6	761.4	762.6
172.5°	766.9	767.8	768.7	769.6	770.0	769.4	768.3	767.2	766.0	764.9	766.0
175°	769.3	770.3	771.4	772.4	772.9	772.3	771.2	770.0	768.9	767.7	768.9
177.5°	770.9	771.8	772.7	773.6	774.0	773.5	772.5	771.5	770.5	769.5	770.5
180°	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2

TEST NUMBER: P1027085

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-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°	12.9	12.6	12.2	12.0	11.7	11.0	10.4	9.7	9.1	8.2	7.3
92.5°	12.3	12.2	12.1	12.0	11.7	11.0	10.4	9.7	9.1	8.3	7.6
95°	12.0	12.0	12.0	12.0	11.7	11.0	10.4	9.7	9.1	13.9	18.8
97.5°	11.7	11.6	11.5	11.4	11.3	11.0	10.8	10.5	10.3	22.4	34.4
100°	13.0	13.5	14.0	14.3	23.8	42.7	61.6	80.6	99.5	99.0	98.5
102.5°	108.2	118.9	129.6	134.9	134.8	134.5	134.3	134.0	133.8	133.5	133.3
105°	170.1	170.2	170.3	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4
107.5°	207.4	207.9	208.4	208.7	208.6	208.5	208.4	208.2	208.1	207.8	207.6
110°	244.4	244.3	244.2	244.1	244.3	244.7	245.0	245.4	245.8	245.6	245.3

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CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	279.5	279.7	280.0	280.1	280.4	280.9	281.4	281.9	282.4	282.3	282.1
115°	314.8	315.6	316.3	316.7	317.0	317.5	318.0	318.5	319.0	318.9	318.7
117.5°	350.9	351.2	351.5	351.6	352.0	352.7	353.5	354.2	355.0	354.5	354.0
120°	385.4	386.1	386.7	387.0	387.1	387.4	387.7	387.9	388.2	387.8	387.4
122.5°	417.7	418.5	419.2	419.6	419.7	420.0	420.2	420.5	420.7	420.6	420.5
125°	449.6	449.9	450.3	450.5	450.8	451.3	451.8	452.3	452.8	452.8	452.8
127.5°	477.6	478.7	479.7	480.2	480.3	480.6	480.8	481.1	481.3	481.4	481.6
130°	506.6	507.2	507.9	508.2	508.4	508.8	509.1	509.5	509.9	509.8	509.6
132.5°	534.0	534.7	535.3	535.6	535.6	535.6	535.6	535.6	535.6	536.0	536.4
135°	558.9	559.7	560.4	560.8	560.9	561.2	561.4	561.7	561.9	562.2	562.4
137.5°	584.3	585.0	585.6	585.9	585.9	585.9	585.9	585.9	585.9	586.2	586.4
140°	606.9	607.7	608.4	608.8	608.7	608.4	608.2	607.9	607.7	607.8	607.9
142.5°	628.1	628.8	629.6	630.0	630.0	630.0	630.0	630.0	630.0	629.7	629.5
145°	648.6	649.4	650.1	650.5	650.4	650.3	650.2	650.1	650.0	650.0	650.0
147.5°	666.1	667.0	667.9	668.3	668.2	668.1	668.0	667.8	667.7	667.6	667.4
150°	682.8	683.9	684.9	685.4	685.3	685.0	684.8	684.5	684.3	684.0	683.8
152.5°	698.1	699.0	699.9	700.3	700.2	699.9	699.6	699.4	699.1	698.9	698.6
155°	711.4	712.5	713.5	714.0	713.8	713.4	713.1	712.7	712.3	712.0	711.8
157.5°	722.9	723.9	724.9	725.4	725.2	724.8	724.5	724.1	723.7	723.7	723.7
160°	733.7	734.8	735.8	736.3	736.0	735.5	735.0	734.5	734.0	733.9	733.7
162.5°	743.7	744.9	746.0	746.6	746.2	745.5	744.7	744.0	743.2	743.1	742.9
165°	752.0	753.1	754.1	754.6	754.2	753.5	752.7	752.0	751.2	751.1	750.9
167.5°	758.6	759.7	760.8	761.4	761.0	760.1	759.2	758.3	757.4	757.3	757.2
170°	763.7	764.9	766.0	766.6	766.1	765.1	764.0	763.0	762.0	761.9	761.7
172.5°	767.2	768.3	769.4	770.0	769.6	768.7	767.8	766.9	766.0	765.8	765.5
175°	770.0	771.2	772.3	772.9	772.4	771.4	770.3	769.3	768.3	768.2	768.0
177.5°	771.5	772.5	773.5	774.0	773.6	772.7	771.8	770.9	770.0	769.9	769.8
180°	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2

TEST NUMBER: P1027085

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-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°	6.4	5.5	5.1	4.6	3.6	2.6	1.6	0.6	1.6	2.6	3.6
92.5°	6.8	6.1	5.7	6.3	7.4	8.6	9.7	10.9	9.7	8.6	7.4
95°	23.6	28.5	30.9	31.1	31.5	31.8	32.2	32.6	32.2	31.8	31.5
97.5°	46.5	58.6	64.6	64.2	63.5	62.7	62.0	61.2	62.0	62.7	63.5
100°	98.0	97.5	97.2	97.0	96.6	96.3	95.9	95.5	95.9	96.3	96.6
102.5°	133.0	132.7	132.6	132.3	131.8	131.3	130.8	130.3	130.8	131.3	131.8
105°	170.4	170.4	170.4	170.1	169.6	169.1	168.6	168.1	168.6	169.1	169.6
107.5°	207.3	207.0	206.9	206.9	206.9	206.9	206.9	206.9	206.9	206.9	206.9
110°	245.1	244.8	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7

TEST NUMBER: P1027085

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	282.0	281.9	281.8	281.6	281.2	280.9	280.5	280.1	280.5	280.9	281.2
115°	318.6	318.5	318.4	318.1	317.5	316.8	316.2	315.6	316.2	316.8	317.5
117.5°	353.5	353.0	352.7	352.7	352.7	352.7	352.7	352.7	352.7	352.7	352.7
120°	387.0	386.6	386.4	386.5	386.6	386.7	386.9	387.0	386.9	386.7	386.6
122.5°	420.4	420.3	420.2	419.9	419.2	418.6	417.9	417.3	417.9	418.6	419.2
125°	452.8	452.8	452.8	452.4	451.5	450.6	449.7	448.8	449.7	450.6	451.5
127.5°	481.7	481.8	481.9	481.6	480.9	480.3	479.6	479.0	479.6	480.3	480.9
130°	509.5	509.4	509.3	509.0	508.4	507.7	507.1	506.5	507.1	507.7	508.4
132.5°	536.8	537.2	537.4	537.0	536.2	535.5	534.7	533.9	534.7	535.5	536.2
135°	562.7	563.0	563.1	562.7	562.0	561.2	560.5	559.7	560.5	561.2	562.0
137.5°	586.7	587.0	587.1	586.7	586.0	585.2	584.5	583.7	584.5	585.2	586.0
140°	608.0	608.1	608.2	608.1	607.8	607.6	607.3	607.1	607.3	607.6	607.8
142.5°	629.2	628.9	628.8	628.7	628.6	628.5	628.4	628.3	628.4	628.5	628.6
145°	650.0	650.0	650.0	649.9	649.6	649.3	649.1	648.8	649.1	649.3	649.6
147.5°	667.3	667.2	667.1	667.1	667.1	667.1	667.1	667.1	667.1	667.1	667.1
150°	683.5	683.2	683.1	683.2	683.5	683.8	684.0	684.3	684.0	683.8	683.5
152.5°	698.4	698.1	698.0	698.3	699.0	699.6	700.3	700.9	700.3	699.6	699.0
155°	711.5	711.2	711.1	711.5	712.3	713.0	713.8	714.6	713.8	713.0	712.3
157.5°	723.7	723.7	723.7	723.9	724.3	724.6	725.0	725.4	725.0	724.6	724.3
160°	733.6	733.5	733.4	733.8	734.6	735.3	736.1	736.9	736.1	735.3	734.6
162.5°	742.8	742.7	742.6	743.0	743.7	744.5	745.2	746.0	745.2	744.5	743.7
165°	750.8	750.7	750.6	751.0	751.7	752.5	753.2	754.0	753.2	752.5	751.7
167.5°	757.1	757.0	756.9	757.3	758.0	758.8	759.5	760.3	759.5	758.8	758.0
170°	761.6	761.5	761.4	761.8	762.7	763.6	764.5	765.4	764.5	763.6	762.7
172.5°	765.3	765.0	764.9	765.3	766.2	767.1	768.0	768.9	768.0	767.1	766.2
175°	767.9	767.8	767.7	768.1	768.9	769.6	770.4	771.2	770.4	769.6	768.9
177.5°	769.7	769.6	769.5	769.9	770.6	771.4	772.1	772.9	772.1	771.4	770.6
180°	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2

TEST NUMBER: P1027085

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-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°	4.6	5.1	5.5	6.4	7.3	8.2	9.1	9.7	10.4	11.0	11.7
92.5°	6.3	5.7	6.1	6.8	7.6	8.3	9.1	9.7	10.4	11.0	11.7
95°	31.1	30.9	28.5	23.6	18.8	13.9	9.1	9.7	10.4	11.0	11.7
97.5°	64.2	64.6	58.6	46.5	34.4	22.4	10.3	10.5	10.8	11.0	11.3
100°	97.0	97.2	97.5	98.0	98.5	99.0	99.5	80.6	61.6	42.7	23.8
102.5°	132.3	132.6	132.7	133.0	133.3	133.5	133.8	134.0	134.3	134.5	134.8
105°	170.1	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4
107.5°	206.9	206.9	207.0	207.3	207.6	207.8	208.1	208.2	208.4	208.5	208.6
110°	244.7	244.7	244.8	245.1	245.3	245.6	245.8	245.4	245.0	244.7	244.3

TEST NUMBER: P1027085

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	281.6	281.8	281.9	282.0	282.1	282.3	282.4	281.9	281.4	280.9	280.4
115°	318.1	318.4	318.5	318.6	318.7	318.9	319.0	318.5	318.0	317.5	317.0
117.5°	352.7	352.7	353.0	353.5	354.0	354.5	355.0	354.2	353.5	352.7	352.0
120°	386.5	386.4	386.6	387.0	387.4	387.8	388.2	387.9	387.7	387.4	387.1
122.5°	419.9	420.2	420.3	420.4	420.5	420.6	420.7	420.5	420.2	420.0	419.7
125°	452.4	452.8	452.8	452.8	452.8	452.8	452.8	452.3	451.8	451.3	450.8
127.5°	481.6	481.9	481.8	481.7	481.6	481.4	481.3	481.1	480.8	480.6	480.3
130°	509.0	509.3	509.4	509.5	509.6	509.8	509.9	509.5	509.1	508.8	508.4
132.5°	537.0	537.4	537.2	536.8	536.4	536.0	535.6	535.6	535.6	535.6	535.6
135°	562.7	563.1	563.0	562.7	562.4	562.2	561.9	561.7	561.4	561.2	560.9
137.5°	586.7	587.1	587.0	586.7	586.4	586.2	585.9	585.9	585.9	585.9	585.9
140°	608.1	608.2	608.1	608.0	607.9	607.8	607.7	607.9	608.2	608.4	608.7
142.5°	628.7	628.8	628.9	629.2	629.5	629.7	630.0	630.0	630.0	630.0	630.0
145°	649.9	650.0	650.0	650.0	650.0	650.0	650.0	650.1	650.2	650.3	650.4
147.5°	667.1	667.1	667.2	667.3	667.4	667.6	667.7	667.8	668.0	668.1	668.2
150°	683.2	683.1	683.2	683.5	683.8	684.0	684.3	684.5	684.8	685.0	685.3
152.5°	698.3	698.0	698.1	698.4	698.6	698.9	699.1	699.4	699.6	699.9	700.2
155°	711.5	711.1	711.2	711.5	711.8	712.0	712.3	712.7	713.1	713.4	713.8
157.5°	723.9	723.7	723.7	723.7	723.7	723.7	723.7	724.1	724.5	724.8	725.2
160°	733.8	733.4	733.5	733.6	733.7	733.9	734.0	734.5	735.0	735.5	736.0
162.5°	743.0	742.6	742.7	742.8	742.9	743.1	743.2	744.0	744.7	745.5	746.2
165°	751.0	750.6	750.7	750.8	750.9	751.1	751.2	752.0	752.7	753.5	754.2
167.5°	757.3	756.9	757.0	757.1	757.2	757.3	757.4	758.3	759.2	760.1	761.0
170°	761.8	761.4	761.5	761.6	761.7	761.9	762.0	763.0	764.0	765.1	766.1
172.5°	765.3	764.9	765.0	765.3	765.5	765.8	766.0	766.9	767.8	768.7	769.6
175°	768.1	767.7	767.8	767.9	768.0	768.2	768.3	769.3	770.3	771.4	772.4
177.5°	769.9	769.5	769.6	769.7	769.8	769.9	770.0	770.9	771.8	772.7	773.6
180°	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2

TEST NUMBER: P1027085

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-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°	12.0	12.2	12.6	12.9	13.3	13.7	13.3	12.9	12.6	12.2	12.0
92.5°	12.0	12.1	12.2	12.3	12.5	12.6	12.5	12.3	12.2	12.1	12.0
95°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
97.5°	11.4	11.5	11.6	11.7	11.9	12.0	11.9	11.7	11.6	11.5	11.4
100°	14.3	14.0	13.5	13.0	12.5	12.0	12.5	13.0	13.5	14.0	14.3
102.5°	134.9	129.6	118.9	108.2	97.6	86.9	97.6	108.2	118.9	129.6	134.9
105°	170.4	170.3	170.2	170.1	169.9	169.8	169.9	170.1	170.2	170.3	170.4
107.5°	208.7	208.4	207.9	207.4	206.9	206.4	206.9	207.4	207.9	208.4	208.7
110°	244.1	244.2	244.3	244.4	244.6	244.7	244.6	244.4	244.3	244.2	244.1

TEST NUMBER: P1027085

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	280.1	280.0	279.7	279.5	279.2	279.0	279.2	279.5	279.7	280.0	280.1
115°	316.7	316.3	315.6	314.8	314.1	313.3	314.1	314.8	315.6	316.3	316.7
117.5°	351.6	351.5	351.2	350.9	350.7	350.4	350.7	350.9	351.2	351.5	351.6
120°	387.0	386.7	386.1	385.4	384.8	384.2	384.8	385.4	386.1	386.7	387.0
122.5°	419.6	419.2	418.5	417.7	417.0	416.2	417.0	417.7	418.5	419.2	419.6
125°	450.5	450.3	449.9	449.6	449.2	448.8	449.2	449.6	449.9	450.3	450.5
127.5°	480.2	479.7	478.7	477.6	476.6	475.6	476.6	477.6	478.7	479.7	480.2
130°	508.2	507.9	507.2	506.6	505.9	505.3	505.9	506.6	507.2	507.9	508.2
132.5°	535.6	535.3	534.7	534.0	533.4	532.8	533.4	534.0	534.7	535.3	535.6
135°	560.8	560.4	559.7	558.9	558.2	557.4	558.2	558.9	559.7	560.4	560.8
137.5°	585.9	585.6	585.0	584.3	583.7	583.1	583.7	584.3	585.0	585.6	585.9
140°	608.8	608.4	607.7	606.9	606.2	605.4	606.2	606.9	607.7	608.4	608.8
142.5°	630.0	629.6	628.8	628.1	627.3	626.5	627.3	628.1	628.8	629.6	630.0
145°	650.5	650.1	649.4	648.6	647.9	647.1	647.9	648.6	649.4	650.1	650.5
147.5°	668.3	667.9	667.0	666.1	665.2	664.3	665.2	666.1	667.0	667.9	668.3
150°	685.4	684.9	683.9	682.8	681.8	680.8	681.8	682.8	683.9	684.9	685.4
152.5°	700.3	699.9	699.0	698.1	697.2	696.3	697.2	698.1	699.0	699.9	700.3
155°	714.0	713.5	712.5	711.4	710.4	709.4	710.4	711.4	712.5	713.5	714.0
157.5°	725.4	724.9	723.9	722.9	721.9	720.9	721.9	722.9	723.9	724.9	725.4
160°	736.3	735.8	734.8	733.7	732.7	731.7	732.7	733.7	734.8	735.8	736.3
162.5°	746.6	746.0	744.9	743.7	742.6	741.4	742.6	743.7	744.9	746.0	746.6
165°	754.6	754.1	753.1	752.0	751.0	750.0	751.0	752.0	753.1	754.1	754.6
167.5°	761.4	760.8	759.7	758.6	757.4	756.3	757.4	758.6	759.7	760.8	761.4
170°	766.6	766.0	764.9	763.7	762.6	761.4	762.6	763.7	764.9	766.0	766.6
172.5°	770.0	769.4	768.3	767.2	766.0	764.9	766.0	767.2	768.3	769.4	770.0
175°	772.9	772.3	771.2	770.0	768.9	767.7	768.9	770.0	771.2	772.3	772.9
177.5°	774.0	773.5	772.5	771.5	770.5	769.5	770.5	771.5	772.5	773.5	774.0
180°	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2

TEST NUMBER: P1027085

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-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°	11.7	11.0	10.4	9.7	9.1	8.2	7.3	6.4	5.5	5.1	4.6
92.5°	11.7	11.0	10.4	9.7	9.1	8.3	7.6	6.8	6.1	5.7	6.3
95°	11.7	11.0	10.4	9.7	9.1	13.9	18.8	23.6	28.5	30.9	31.1
97.5°	11.3	11.0	10.8	10.5	10.3	22.4	34.4	46.5	58.6	64.6	64.2
100°	23.8	42.7	61.6	80.6	99.5	99.0	98.5	98.0	97.5	97.2	97.0
102.5°	134.8	134.5	134.3	134.0	133.8	133.5	133.3	133.0	132.7	132.6	132.3
105°	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.1
107.5°	208.6	208.5	208.4	208.2	208.1	207.8	207.6	207.3	207.0	206.9	206.9
110°	244.3	244.7	245.0	245.4	245.8	245.6	245.3	245.1	244.8	244.7	244.7

TEST NUMBER: P1027085

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	280.4	280.9	281.4	281.9	282.4	282.3	282.1	282.0	281.9	281.8	281.6
115°	317.0	317.5	318.0	318.5	319.0	318.9	318.7	318.6	318.5	318.4	318.1
117.5°	352.0	352.7	353.5	354.2	355.0	354.5	354.0	353.5	353.0	352.7	352.7
120°	387.1	387.4	387.7	387.9	388.2	387.8	387.4	387.0	386.6	386.4	386.5
122.5°	419.7	420.0	420.2	420.5	420.7	420.6	420.5	420.4	420.3	420.2	419.9
125°	450.8	451.3	451.8	452.3	452.8	452.8	452.8	452.8	452.8	452.8	452.4
127.5°	480.3	480.6	480.8	481.1	481.3	481.4	481.6	481.7	481.8	481.9	481.6
130°	508.4	508.8	509.1	509.5	509.9	509.8	509.6	509.5	509.4	509.3	509.0
132.5°	535.6	535.6	535.6	535.6	535.6	536.0	536.4	536.8	537.2	537.4	537.0
135°	560.9	561.2	561.4	561.7	561.9	562.2	562.4	562.7	563.0	563.1	562.7
137.5°	585.9	585.9	585.9	585.9	585.9	586.2	586.4	586.7	587.0	587.1	586.7
140°	608.7	608.4	608.2	607.9	607.7	607.8	607.9	608.0	608.1	608.2	608.1
142.5°	630.0	630.0	630.0	630.0	630.0	629.7	629.5	629.2	628.9	628.8	628.7
145°	650.4	650.3	650.2	650.1	650.0	650.0	650.0	650.0	650.0	650.0	649.9
147.5°	668.2	668.1	668.0	667.8	667.7	667.6	667.4	667.3	667.2	667.1	667.1
150°	685.3	685.0	684.8	684.5	684.3	684.0	683.8	683.5	683.2	683.1	683.2
152.5°	700.2	699.9	699.6	699.4	699.1	698.9	698.6	698.4	698.1	698.0	698.3
155°	713.8	713.4	713.1	712.7	712.3	712.0	711.8	711.5	711.2	711.1	711.5
157.5°	725.2	724.8	724.5	724.1	723.7	723.7	723.7	723.7	723.7	723.7	723.9
160°	736.0	735.5	735.0	734.5	734.0	733.9	733.7	733.6	733.5	733.4	733.8
162.5°	746.2	745.5	744.7	744.0	743.2	743.1	742.9	742.8	742.7	742.6	743.0
165°	754.2	753.5	752.7	752.0	751.2	751.1	750.9	750.8	750.7	750.6	751.0
167.5°	761.0	760.1	759.2	758.3	757.4	757.3	757.2	757.1	757.0	756.9	757.3
170°	766.1	765.1	764.0	763.0	762.0	761.9	761.7	761.6	761.5	761.4	761.8
172.5°	769.6	768.7	767.8	766.9	766.0	765.8	765.5	765.3	765.0	764.9	765.3
175°	772.4	771.4	770.3	769.3	768.3	768.2	768.0	767.9	767.8	767.7	768.1
177.5°	773.6	772.7	771.8	770.9	770.0	769.9	769.8	769.7	769.6	769.5	769.9
180°	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2

TEST NUMBER: P1027085

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-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°	3.6	2.6	1.6	0.6
92.5°	7.4	8.6	9.7	10.9
95°	31.5	31.8	32.2	32.6
97.5°	63.5	62.7	62.0	61.2
100°	96.6	96.3	95.9	95.5
102.5°	131.8	131.3	130.8	130.3
105°	169.6	169.1	168.6	168.1
107.5°	206.9	206.9	206.9	206.9
110°	244.7	244.7	244.7	244.7

TEST NUMBER: P1027085

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	281.2	280.9	280.5	280.1
115°	317.5	316.8	316.2	315.6
117.5°	352.7	352.7	352.7	352.7
120°	386.6	386.7	386.9	387.0
122.5°	419.2	418.6	417.9	417.3
125°	451.5	450.6	449.7	448.8
127.5°	480.9	480.3	479.6	479.0
130°	508.4	507.7	507.1	506.5
132.5°	536.2	535.5	534.7	533.9
135°	562.0	561.2	560.5	559.7
137.5°	586.0	585.2	584.5	583.7
140°	607.8	607.6	607.3	607.1
142.5°	628.6	628.5	628.4	628.3
145°	649.6	649.3	649.1	648.8
147.5°	667.1	667.1	667.1	667.1
150°	683.5	683.8	684.0	684.3
152.5°	699.0	699.6	700.3	700.9
155°	712.3	713.0	713.8	714.6
157.5°	724.3	724.6	725.0	725.4
160°	734.6	735.3	736.1	736.9
162.5°	743.7	744.5	745.2	746.0
165°	751.7	752.5	753.2	754.0
167.5°	758.0	758.8	759.5	760.3
170°	762.7	763.6	764.5	765.4
172.5°	766.2	767.1	768.0	768.9
175°	768.9	769.6	770.4	771.2
177.5°	770.6	771.4	772.1	772.9
180°	771.2	771.2	771.2	771.2

(END OF REPORT)