

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: P1010840

Luminaire Tested: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010840
REPORT IS A COMBINATION OF REPORTS P993006 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K
Description: Define 3 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

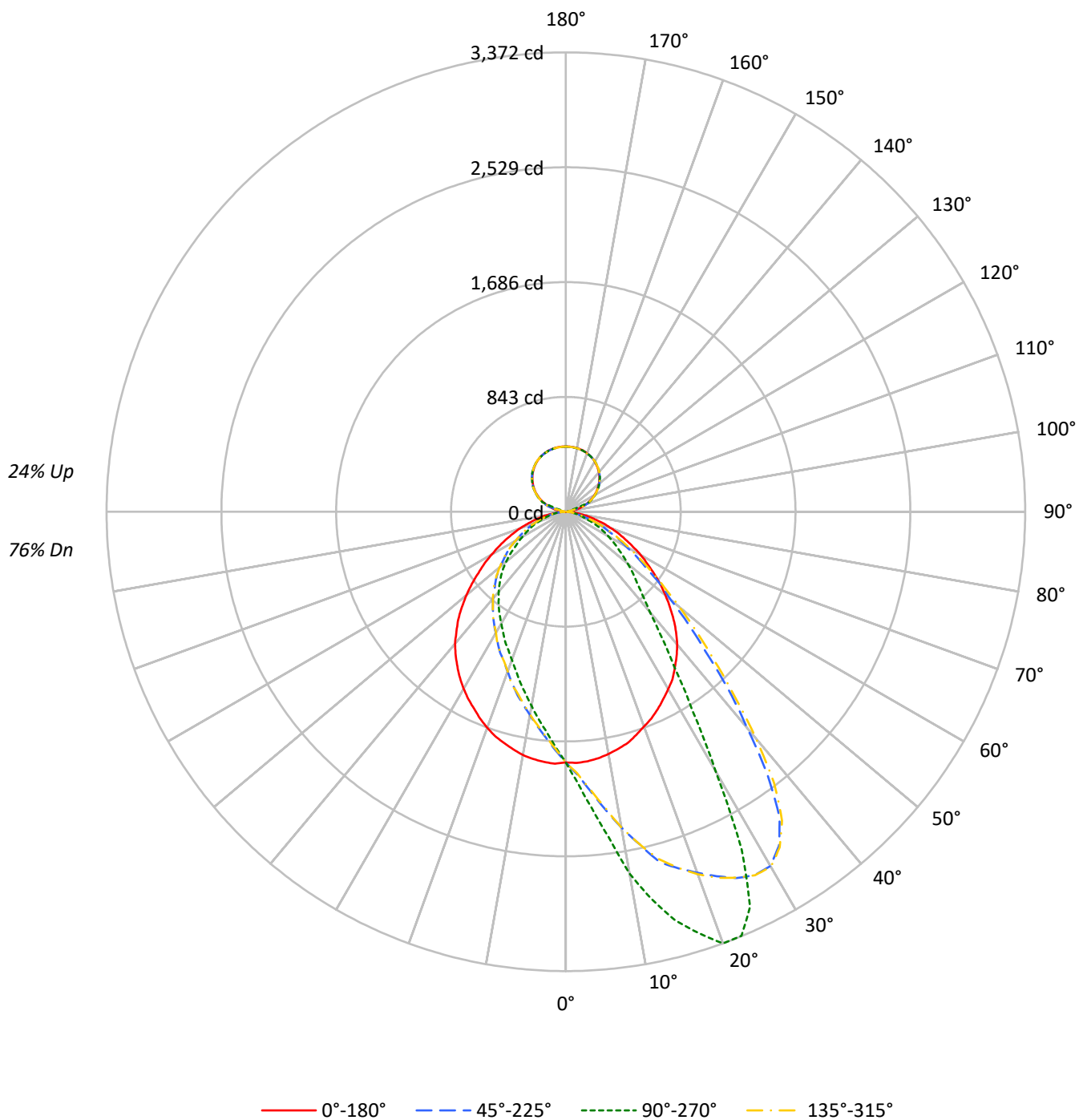
Lumens per Lamp: N/A
Luminaire Lumens: 6042.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 70.6
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	108	108	108	108	98	98	98	88	88	88	80	80	80	80	80	76
1	104	100	97	93	99	96	92	90	87	85	82	79	77	76	72	71	69	69	69	66
2	96	89	83	78	91	85	80	75	77	73	70	71	67	65	65	62	60	60	60	56
3	88	79	72	66	84	75	69	64	69	64	60	63	59	56	58	55	52	52	52	49
4	81	70	63	57	77	68	60	55	62	56	52	57	52	49	52	49	45	45	45	43
5	75	63	55	49	71	61	53	48	56	50	45	52	47	43	48	43	40	40	40	38
6	69	57	49	43	66	55	48	42	51	45	40	47	42	38	44	39	36	36	36	33
7	64	52	44	39	61	50	43	38	47	40	36	43	38	34	40	36	32	32	32	30
8	60	48	40	35	57	46	39	34	43	37	32	40	34	31	37	32	29	29	29	27
9	56	44	36	31	54	42	35	30	39	33	29	37	31	28	34	30	26	26	26	24
10	53	40	33	28	50	39	32	28	37	31	26	34	29	25	32	27	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19807	19807	19807	19807
5°	19822	22812	19873	16924
10°	19647	27538	19732	14782
15°	19445	31253	19445	13034
20°	19045	33712	19153	11563
25°	18754	32028	18718	10550
30°	18415	22191	18376	9560
35°	18006	14248	17925	8814
40°	17498	10061	17411	8071
45°	16613	8052	16589	7349
50°	15525	6735	15474	6503
55°	14302	5551	14187	5513
60°	13101	4588	12971	4689
65°	11693	3671	11768	3974
70°	10392	2550	10672	3213
75°	8810	1892	9168	2471
80°	7014	1255	7611	1853
85°	4995	594	5446	1153

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 26443 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.7	3.0
10°-20°	565.7	9.4
20°-30°	890.9	14.7
30°-40°	926.4	15.3
40°-50°	792.6	13.1
50°-60°	604.3	10.0
60°-70°	387.1	6.4
70°-80°	185.5	3.1
80°-90°	49.7	0.8
90°-100°	16.9	0.3
100°-110°	81.6	1.4
110°-120°	200.0	3.3
120°-130°	253.8	4.2
130°-140°	271.2	4.5
140°-150°	253.6	4.2
150°-160°	204.5	3.4
160°-170°	132.0	2.2
170°-180°	45.5	0.8
0°-30°	1637.3	27.1
0°-40°	2563.8	42.4
0°-60°	3960.6	65.6
0°-90°	4583.0	75.9
90°-120°	298.5	4.9
90°-150°	1077.0	17.8
90°-180°	1459.0	24.1
0°-180°	6042.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1840	1840	1840	1840	1840	
5°	1838	2185	1843	1621	1838	174
15°	1757	3105	1757	1295	1757	494
25°	1598	3200	1594	1054	1598	736
35°	1394	1388	1388	859	1394	873
45°	1119	740	1117	676	1119	861
55°	789	465	783	462	789	707
65°	484	268	487	290	484	483
75°	232	113	241	148	232	250
85°	52	27	57	52	52	58
90°	0	11	0	11	0	4
95°	22	14	22	14	22	26
105°	106	16	106	16	106	112
115°	199	209	199	209	199	196
125°	280	286	280	286	280	250
135°	349	352	349	352	349	269
145°	402	406	402	406	402	252
155°	443	443	443	443	443	204
165°	468	466	468	466	468	132
175°	479	477	479	477	479	46
180°	479	479	479	479	479	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1
2.5°	1844.8	1857.4	1866.9	1873.2	1889.0	1898.4	1906.3	1920.5	1920.5	1923.6	1929.9
5°	1838.5	1865.3	1884.2	1909.4	1942.5	1958.3	1980.3	1999.2	2026.0	2040.2	2054.4
7.5°	1824.4	1862.2	1901.6	1939.4	1988.2	2019.7	2041.8	2090.6	2125.3	2167.8	2200.9
10°	1805.5	1857.4	1907.9	1966.2	2032.3	2079.6	2112.7	2177.3	2243.4	2303.3	2353.7
12.5°	1781.8	1844.8	1917.3	1988.2	2081.2	2128.4	2182.0	2262.3	2356.9	2432.5	2500.2
15°	1756.6	1829.1	1911.0	1997.7	2114.2	2180.4	2257.6	2355.3	2460.8	2569.6	2662.5
17.5°	1717.2	1808.6	1900.0	2026.0	2163.1	2202.5	2268.6	2402.6	2533.3	2631.0	2744.4
20°	1677.8	1780.3	1895.3	2008.7	2156.8	2248.2	2309.6	2451.4	2591.6	2709.8	2818.5
22.5°	1641.6	1748.7	1868.5	2011.8	2150.5	2241.9	2319.1	2467.1	2629.4	2761.8	2895.7
25°	1597.5	1714.1	1846.4	1981.9	2150.5	2219.8	2304.9	2476.6	2648.3	2801.1	2966.6
27.5°	1550.2	1668.4	1799.2	1937.8	2092.2	2194.6	2278.1	2462.4	2672.0	2835.8	3005.9
30°	1503.0	1624.3	1750.3	1874.8	2048.1	2145.8	2241.9	2445.1	2684.6	2872.0	3002.8
32.5°	1457.3	1559.7	1684.2	1805.5	1977.2	2084.3	2193.0	2427.8	2689.3	2846.8	2909.8
35°	1394.3	1501.4	1602.2	1731.4	1904.7	2010.3	2137.9	2426.2	2668.8	2766.5	2735.0
37.5°	1336.0	1425.8	1521.9	1636.9	1814.9	1952.0	2084.3	2385.2	2601.1	2607.4	2429.3
40°	1271.4	1345.4	1425.8	1547.1	1739.3	1874.8	2018.1	2322.2	2478.2	2385.2	2071.7
42.5°	1197.3	1263.5	1326.5	1444.7	1654.2	1805.5	1959.9	2243.4	2300.1	2085.9	1759.8
45°	1118.6	1172.1	1230.4	1354.9	1564.4	1714.1	1868.5	2122.1	2063.8	1761.3	1451.0
47.5°	1036.6	1082.3	1139.0	1252.5	1468.3	1621.1	1767.6	1948.8	1800.7	1476.2	1216.2
50°	954.7	991.0	1046.1	1162.7	1370.6	1509.3	1644.8	1762.9	1555.0	1266.7	1005.1
52.5°	874.4	902.7	959.4	1058.7	1260.4	1392.7	1490.4	1536.1	1324.9	1046.1	872.8
55°	789.3	820.8	858.6	959.4	1159.5	1257.2	1321.8	1320.2	1102.8	887.0	721.6
57.5°	707.4	735.7	768.8	869.6	1031.9	1098.1	1153.2	1126.4	920.1	726.3	619.1
60°	634.9	650.7	686.9	772.0	894.9	951.6	983.1	937.4	751.5	612.8	512.0
62.5°	556.1	571.9	601.8	682.2	757.8	787.7	814.5	756.2	620.7	499.4	438.0
65°	483.7	504.1	523.0	587.6	628.6	664.8	661.7	612.8	485.2	406.5	356.1
67.5°	420.6	428.5	444.3	483.7	502.6	529.3	530.9	475.8	390.7	330.8	300.9
70°	352.9	360.8	371.8	390.7	403.3	409.6	406.5	357.6	294.6	258.4	231.6
72.5°	294.6	293.0	300.9	300.9	313.5	311.9	302.5	264.7	223.7	193.8	178.0
75°	231.6	233.2	234.7	231.6	226.9	220.6	212.7	184.3	157.5	143.4	129.2
77.5°	181.2	178.0	179.6	168.6	162.3	156.0	144.9	130.8	108.7	105.6	99.3
80°	129.2	127.6	126.0	121.3	107.1	100.8	93.0	85.1	80.3	77.2	75.6
82.5°	86.6	86.6	83.5	74.0	66.2	61.4	59.9	56.7	52.0	52.0	50.4
85°	52.0	50.4	47.3	37.8	33.1	33.1	33.1	33.1	29.9	29.9	28.4
87.5°	20.5	18.9	14.2	14.2	12.6	12.6	12.6	11.0	11.0	9.5	9.5
90°	0.4	1.2	2.0	2.7	3.5	3.9	4.4	5.4	6.5	7.5	8.5
92.5°	8.2	7.7	7.2	6.7	6.2	6.0	6.4	7.1	7.8	8.5	9.2
95°	21.7	18.5	15.2	12.0	8.7	7.1	7.5	8.4	9.3	10.1	11.0
97.5°	39.5	37.3	35.1	32.8	30.6	29.5	27.5	23.5	19.4	15.4	11.4
100°	60.1	61.7	63.3	64.8	66.4	67.2	61.0	48.7	36.4	24.0	11.7
102.5°	83.6	84.6	85.6	86.7	87.7	88.2	81.3	67.6	53.8	40.1	26.3
105°	106.0	106.9	107.7	108.6	109.5	109.9	106.3	99.2	92.1	85.0	77.9
107.5°	129.8	130.5	131.2	131.9	132.6	133.0	133.6	134.8	135.9	137.1	138.3
110°	153.6	154.2	154.9	155.5	156.2	156.5	156.9	157.8	158.7	159.5	160.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	176.4	177.0	177.5	178.1	178.6	178.9	179.3	180.2	181.1	181.9	182.8
115°	198.8	199.3	199.7	200.2	200.7	200.9	201.3	202.0	202.7	203.4	204.1
117.5°	220.8	221.4	221.9	222.5	223.0	223.3	223.5	223.9	224.3	224.7	225.1
120°	241.1	241.8	242.5	243.2	243.9	244.3	244.4	244.6	244.9	245.1	245.3
122.5°	261.7	262.3	262.8	263.4	263.9	264.2	264.4	264.7	265.0	265.3	265.6
125°	280.2	280.8	281.4	282.1	282.7	283.0	283.2	283.5	283.8	284.2	284.5
127.5°	298.7	299.3	299.9	300.6	301.2	301.5	301.7	302.1	302.5	302.9	303.3
130°	315.7	316.3	317.0	317.6	318.3	318.6	318.8	319.1	319.4	319.7	320.0
132.5°	332.1	332.7	333.3	334.0	334.6	334.9	335.0	335.3	335.5	335.8	336.0
135°	348.8	349.3	349.7	350.2	350.7	350.9	351.1	351.4	351.7	352.1	352.4
137.5°	363.0	363.6	364.3	364.9	365.6	365.9	366.0	366.1	366.3	366.4	366.6
140°	377.3	377.8	378.2	378.7	379.2	379.4	379.5	379.8	380.0	380.3	380.5
142.5°	390.4	390.9	391.3	391.8	392.3	392.5	392.6	392.9	393.1	393.4	393.6
145°	402.5	403.1	403.6	404.2	404.7	405.0	405.1	405.2	405.4	405.5	405.7
147.5°	414.2	414.6	415.0	415.4	415.8	416.0	416.1	416.2	416.4	416.5	416.7
150°	424.9	425.1	425.4	425.6	425.9	426.0	426.1	426.2	426.4	426.5	426.7
152.5°	434.5	434.6	434.7	434.8	434.9	434.9	434.9	435.0	435.1	435.1	435.2
155°	443.4	443.2	443.1	442.9	442.8	442.7	442.7	442.8	442.9	442.9	443.0
157.5°	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.4	450.3	450.3	450.2
160°	456.9	456.8	456.8	456.7	456.6	456.6	456.6	456.5	456.4	456.3	456.2
162.5°	463.0	462.8	462.5	462.3	462.0	461.9	461.9	461.8	461.7	461.6	461.5
165°	467.6	467.4	467.1	466.9	466.6	466.5	466.5	466.4	466.3	466.3	466.2
167.5°	471.5	471.2	470.9	470.6	470.3	470.1	470.1	470.1	470.1	470.1	470.1
170°	474.7	474.4	474.1	473.8	473.5	473.3	473.3	473.3	473.3	473.3	473.3
172.5°	476.8	476.4	476.0	475.6	475.2	475.0	475.0	475.1	475.2	475.3	475.4
175°	478.6	478.2	477.8	477.4	477.0	476.8	476.8	476.9	477.0	477.1	477.2
177.5°	479.3	478.9	478.5	478.1	477.7	477.5	477.5	477.6	477.7	477.8	477.9
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1
2.5°	1942.5	1942.5	1956.7	1970.9	1963.0	1967.7	1985.1	1978.8	1991.4	1989.8	1994.5
5°	2089.0	2106.4	2120.5	2150.5	2155.2	2150.5	2180.4	2188.3	2202.5	2185.1	2193.0
7.5°	2254.5	2290.7	2325.4	2369.5	2383.6	2386.8	2402.6	2424.6	2443.5	2408.9	2426.2
10°	2415.2	2470.3	2541.2	2580.6	2615.2	2627.8	2640.4	2654.6	2676.7	2697.2	2681.4
12.5°	2588.5	2668.8	2736.5	2807.4	2850.0	2845.3	2881.5	2890.9	2908.3	2913.0	2919.3
15°	2730.2	2843.7	2886.2	2991.8	3001.2	3032.7	3073.7	3109.9	3114.7	3105.2	3105.2
17.5°	2865.7	2963.4	3039.0	3124.1	3141.4	3168.2	3220.2	3237.5	3243.8	3242.3	3242.3
20°	2976.0	3040.6	3168.2	3239.1	3267.5	3302.1	3338.4	3360.4	3365.2	3371.5	3362.0
22.5°	3048.5	3146.2	3250.1	3308.4	3332.1	3344.7	3368.3	3374.6	3366.7	3368.3	3369.9
25°	3105.2	3201.3	3264.3	3280.1	3278.5	3262.7	3245.4	3215.5	3212.3	3199.7	3174.5
27.5°	3121.0	3157.2	3149.3	3084.7	3020.1	3013.8	2909.8	2853.1	2788.5	2798.0	2761.8
30°	3035.9	2988.6	2876.8	2712.9	2645.2	2534.9	2418.3	2297.0	2249.7	2197.7	2293.8
32.5°	2827.9	2659.4	2460.8	2248.2	2134.7	2037.1	1912.6	1824.4	1774.0	1731.4	1813.3
35°	2514.4	2251.3	1988.2	1786.6	1693.6	1605.4	1488.8	1444.7	1381.7	1388.0	1395.8
37.5°	2111.1	1821.2	1622.7	1424.2	1362.8	1326.5	1241.5	1173.7	1151.7	1145.3	1145.3
40°	1733.0	1495.1	1318.6	1162.7	1115.4	1085.5	1017.7	986.2	962.6	956.3	964.2
42.5°	1433.7	1230.4	1093.4	989.4	956.3	918.5	890.1	850.7	846.0	835.0	849.2
45°	1203.6	1027.2	924.8	849.2	820.8	806.6	775.1	751.5	742.0	740.5	751.5
47.5°	1020.9	883.8	794.0	746.8	724.7	710.5	683.7	674.3	664.8	668.0	663.3
50°	857.0	754.6	696.3	653.8	639.6	625.5	608.1	598.7	593.9	593.9	592.4
52.5°	735.7	650.7	612.8	573.5	567.2	559.3	540.4	534.1	526.2	524.6	530.9
55°	630.2	571.9	534.1	510.4	504.1	488.4	480.5	472.6	467.9	464.8	466.3
57.5°	538.8	494.7	469.5	449.0	438.0	431.7	417.5	415.9	412.8	412.8	411.2
60°	463.2	431.7	401.7	389.1	381.3	373.4	371.8	362.4	357.6	360.8	359.2
62.5°	392.3	367.1	349.7	335.6	330.8	324.5	319.8	316.7	311.9	313.5	313.5
65°	327.7	307.2	294.6	282.0	280.4	274.1	272.6	269.4	269.4	267.8	271.0
67.5°	269.4	255.2	244.2	236.3	231.6	233.2	226.9	222.1	222.1	220.6	225.3
70°	214.3	206.4	195.4	185.9	179.6	179.6	171.7	170.1	170.1	170.1	168.6
72.5°	165.4	151.2	146.5	143.4	143.4	143.4	140.2	140.2	138.6	140.2	138.6
75°	122.9	121.3	118.2	116.6	116.6	115.0	113.4	113.4	113.4	113.4	113.4
77.5°	96.1	96.1	93.0	91.4	91.4	91.4	89.8	89.8	88.2	88.2	88.2
80°	70.9	70.9	67.7	67.7	67.7	66.2	66.2	66.2	67.7	66.2	66.2
82.5°	48.8	48.8	47.3	48.8	47.3	45.7	45.7	45.7	44.1	45.7	45.7
85°	28.4	28.4	26.8	25.2	26.8	26.8	25.2	26.8	25.2	26.8	25.2
87.5°	11.0	9.5	9.5	9.5	7.9	9.5	7.9	7.9	9.5	7.9	9.5
90°	8.8	9.2	9.5	9.8	10.0	10.1	10.2	10.4	10.5	10.7	10.5
92.5°	9.8	10.3	10.9	11.4	11.7	11.7	11.8	11.9	12.0	12.1	12.0
95°	11.6	12.1	12.7	13.2	13.5	13.5	13.5	13.5	13.5	13.5	13.5
97.5°	12.0	12.6	13.3	13.9	14.2	14.2	14.3	14.4	14.5	14.6	14.5
100°	12.3	13.0	13.6	14.3	14.6	14.6	14.7	14.8	14.8	14.9	14.8
102.5°	23.7	21.1	18.5	15.9	14.6	14.7	14.8	15.0	15.1	15.3	15.1
105°	63.9	49.9	35.9	21.9	14.9	15.0	15.1	15.3	15.4	15.6	15.4
107.5°	126.1	114.0	101.8	89.7	83.6	78.4	68.1	57.7	47.4	37.0	47.4
110°	157.8	155.2	152.5	149.9	148.6	143.0	131.7	120.4	109.1	97.8	109.1

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	183.5	184.2	184.9	185.6	186.0	185.9	185.8	185.6	185.5	185.3	185.5
115°	204.9	205.7	206.5	207.3	207.7	207.9	208.2	208.5	208.8	209.1	208.8
117.5°	225.7	226.3	227.0	227.6	227.9	227.9	228.0	228.1	228.2	228.3	228.2
120°	245.9	246.6	247.2	247.9	248.2	248.2	248.2	248.2	248.2	248.2	248.2
122.5°	266.0	266.4	266.8	267.2	267.4	267.4	267.5	267.6	267.6	267.7	267.6
125°	284.7	284.8	285.0	285.1	285.2	285.3	285.4	285.6	285.7	285.9	285.7
127.5°	303.5	303.8	304.0	304.3	304.4	304.3	304.2	304.0	303.9	303.7	303.9
130°	320.3	320.6	320.9	321.2	321.4	321.3	321.2	321.0	320.9	320.7	320.9
132.5°	336.3	336.6	336.9	337.2	337.4	337.3	337.1	336.8	336.6	336.4	336.6
135°	352.6	352.8	353.1	353.3	353.4	353.3	353.1	352.8	352.6	352.4	352.6
137.5°	367.0	367.4	367.8	368.2	368.4	368.3	368.2	368.0	367.9	367.7	367.9
140°	380.8	381.1	381.4	381.7	381.9	381.8	381.7	381.5	381.4	381.2	381.4
142.5°	393.8	394.1	394.3	394.6	394.7	394.6	394.3	394.1	393.8	393.6	393.8
145°	405.9	406.0	406.2	406.3	406.4	406.4	406.4	406.4	406.4	406.4	406.4
147.5°	416.9	417.0	417.2	417.3	417.4	417.2	416.8	416.5	416.1	415.7	416.1
150°	426.9	427.0	427.2	427.3	427.4	427.3	427.0	426.8	426.5	426.3	426.5
152.5°	435.5	435.8	436.1	436.4	436.6	436.4	436.0	435.7	435.3	434.9	435.3
155°	443.4	443.8	444.2	444.6	444.8	444.6	444.1	443.6	443.2	442.7	443.2
157.5°	450.7	451.1	451.6	452.1	452.3	452.0	451.3	450.7	450.0	449.4	450.0
160°	456.7	457.1	457.6	458.1	458.3	458.0	457.5	456.9	456.4	455.8	456.4
162.5°	462.1	462.6	463.2	463.7	464.0	463.8	463.3	462.8	462.4	461.9	462.4
165°	466.8	467.4	468.1	468.7	469.0	468.7	468.2	467.6	467.1	466.5	467.1
167.5°	470.7	471.3	472.0	472.6	472.9	472.6	472.0	471.3	470.7	470.1	470.7
170°	473.9	474.5	475.2	475.8	476.1	475.8	475.2	474.5	473.9	473.3	473.9
172.5°	476.0	476.6	477.3	477.9	478.2	477.8	477.1	476.4	475.7	475.0	475.7
175°	477.8	478.3	478.9	479.4	479.7	479.4	478.7	478.1	477.4	476.8	477.4
177.5°	478.5	479.1	479.8	480.4	480.7	480.3	479.5	478.8	478.0	477.2	478.0
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1
2.5°	1986.6	1977.2	1970.9	1966.2	1961.4	1975.6	1956.7	1936.2	1922.0	1912.6	1909.4
5°	2194.6	2174.1	2156.8	2142.6	2145.8	2145.8	2112.7	2076.4	2044.9	2027.6	2008.7
7.5°	2435.6	2413.6	2378.9	2371.0	2364.7	2325.4	2292.3	2226.1	2186.7	2147.3	2112.7
10°	2675.1	2646.7	2613.7	2602.6	2586.9	2538.0	2487.6	2402.6	2353.7	2281.2	2235.6
12.5°	2898.8	2864.2	2831.1	2823.2	2799.6	2757.0	2670.4	2582.2	2498.7	2421.5	2341.1
15°	3086.3	3076.8	3026.4	2994.9	2942.9	2884.6	2865.7	2746.0	2640.4	2560.1	2415.2
17.5°	3243.8	3199.7	3152.5	3132.0	3111.5	3043.8	2976.0	2853.1	2739.7	2621.5	2528.6
20°	3369.9	3321.0	3288.0	3258.0	3248.6	3171.4	3064.2	2955.5	2831.1	2698.7	2577.4
22.5°	3376.2	3369.9	3347.8	3330.5	3311.6	3261.2	3176.1	3040.6	2908.3	2763.3	2604.2
25°	3245.4	3236.0	3299.0	3283.2	3295.8	3276.9	3231.2	3117.8	2963.4	2793.3	2632.6
27.5°	2851.6	2947.7	3046.9	3081.6	3105.2	3172.9	3195.0	3132.0	3007.5	2826.3	2646.7
30°	2315.9	2443.5	2604.2	2690.9	2757.0	2883.1	3046.9	3067.4	3009.1	2864.2	2643.6
32.5°	1818.1	1934.6	2063.8	2166.2	2254.5	2512.8	2733.4	2892.5	2920.9	2845.3	2651.5
35°	1465.2	1515.6	1638.5	1736.1	1855.9	2076.4	2336.4	2593.2	2766.5	2775.9	2627.8
37.5°	1208.4	1235.1	1342.3	1397.4	1468.3	1662.1	1904.7	2240.3	2509.7	2637.3	2561.7
40°	1000.4	1061.8	1123.3	1154.8	1205.2	1339.1	1572.3	1835.4	2169.4	2405.7	2459.3
42.5°	868.1	894.9	934.2	978.4	1009.9	1126.4	1282.4	1523.5	1824.4	2153.6	2301.7
45°	765.7	775.1	816.1	844.4	877.5	959.4	1069.7	1271.4	1536.1	1860.6	2112.7
47.5°	680.6	699.5	721.6	738.9	760.9	824.0	918.5	1065.0	1298.2	1588.0	1859.0
50°	605.0	616.0	644.4	652.2	668.0	712.1	784.6	896.4	1088.6	1320.2	1600.7
52.5°	534.1	554.6	565.6	576.6	590.8	627.0	674.3	765.7	910.6	1128.0	1365.9
55°	478.9	485.2	501.0	510.4	521.5	546.7	587.6	655.4	768.8	942.1	1167.4
57.5°	425.4	425.4	441.1	449.0	460.0	478.9	515.2	567.2	649.1	778.3	984.7
60°	368.7	370.2	382.8	392.3	395.4	414.3	444.3	485.2	548.3	642.8	811.4
62.5°	318.2	326.1	332.4	335.6	346.6	357.6	382.8	411.2	455.3	538.8	658.5
65°	275.7	277.3	282.0	285.2	289.9	302.5	321.4	340.3	378.1	439.5	537.2
67.5°	226.9	233.2	239.5	239.5	244.2	250.5	269.4	285.2	313.5	349.7	415.9
70°	170.1	173.3	182.8	187.5	193.8	204.8	214.3	223.7	245.8	272.6	323.0
72.5°	141.8	141.8	144.9	146.5	146.5	154.4	168.6	178.0	189.1	208.0	242.6
75°	113.4	113.4	118.2	116.6	119.7	122.9	124.5	130.8	137.1	151.2	171.7
77.5°	89.8	91.4	91.4	93.0	93.0	94.5	96.1	99.3	102.4	110.3	119.7
80°	66.2	67.7	67.7	69.3	69.3	70.9	72.5	74.0	77.2	80.3	85.1
82.5°	45.7	47.3	47.3	48.8	47.3	48.8	50.4	50.4	52.0	55.1	56.7
85°	26.8	26.8	28.4	26.8	26.8	26.8	28.4	28.4	29.9	34.7	34.7
87.5°	7.9	9.5	7.9	9.5	9.5	9.5	9.5	11.0	11.0	12.6	14.2
90°	10.4	10.2	10.1	10.0	9.8	9.5	9.2	8.8	8.5	7.5	6.5
92.5°	11.9	11.8	11.7	11.7	11.4	10.9	10.3	9.8	9.2	8.5	7.8
95°	13.5	13.5	13.5	13.5	13.2	12.7	12.1	11.6	11.0	10.1	9.3
97.5°	14.4	14.3	14.2	14.2	13.9	13.3	12.6	12.0	11.4	15.4	19.4
100°	14.8	14.7	14.6	14.6	14.3	13.6	13.0	12.3	11.7	24.0	36.4
102.5°	15.0	14.8	14.7	14.6	15.9	18.5	21.1	23.7	26.3	40.1	53.8
105°	15.3	15.1	15.0	14.9	21.9	35.9	49.9	63.9	77.9	85.0	92.1
107.5°	57.7	68.1	78.4	83.6	89.7	101.8	114.0	126.1	138.3	137.1	135.9
110°	120.4	131.7	143.0	148.6	149.9	152.5	155.2	157.8	160.4	159.5	158.7

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	185.6	185.8	185.9	186.0	185.6	184.9	184.2	183.5	182.8	181.9	181.1
115°	208.5	208.2	207.9	207.7	207.3	206.5	205.7	204.9	204.1	203.4	202.7
117.5°	228.1	228.0	227.9	227.9	227.6	227.0	226.3	225.7	225.1	224.7	224.3
120°	248.2	248.2	248.2	248.2	247.9	247.2	246.6	245.9	245.3	245.1	244.9
122.5°	267.6	267.5	267.4	267.4	267.2	266.8	266.4	266.0	265.6	265.3	265.0
125°	285.6	285.4	285.3	285.2	285.1	285.0	284.8	284.7	284.5	284.2	283.8
127.5°	304.0	304.2	304.3	304.4	304.3	304.0	303.8	303.5	303.3	302.9	302.5
130°	321.0	321.2	321.3	321.4	321.2	320.9	320.6	320.3	320.0	319.7	319.4
132.5°	336.8	337.1	337.3	337.4	337.2	336.9	336.6	336.3	336.0	335.8	335.5
135°	352.8	353.1	353.3	353.4	353.3	353.1	352.8	352.6	352.4	352.1	351.7
137.5°	368.0	368.2	368.3	368.4	368.2	367.8	367.4	367.0	366.6	366.4	366.3
140°	381.5	381.7	381.8	381.9	381.7	381.4	381.1	380.8	380.5	380.3	380.0
142.5°	394.1	394.3	394.6	394.7	394.6	394.3	394.1	393.8	393.6	393.4	393.1
145°	406.4	406.4	406.4	406.4	406.3	406.2	406.0	405.9	405.7	405.5	405.4
147.5°	416.5	416.8	417.2	417.4	417.3	417.2	417.0	416.9	416.7	416.5	416.4
150°	426.8	427.0	427.3	427.4	427.3	427.2	427.0	426.9	426.7	426.5	426.4
152.5°	435.7	436.0	436.4	436.6	436.4	436.1	435.8	435.5	435.2	435.1	435.1
155°	443.6	444.1	444.6	444.8	444.6	444.2	443.8	443.4	443.0	442.9	442.9
157.5°	450.7	451.3	452.0	452.3	452.1	451.6	451.1	450.7	450.2	450.3	450.3
160°	456.9	457.5	458.0	458.3	458.1	457.6	457.1	456.7	456.2	456.3	456.4
162.5°	462.8	463.3	463.8	464.0	463.7	463.2	462.6	462.1	461.5	461.6	461.7
165°	467.6	468.2	468.7	469.0	468.7	468.1	467.4	466.8	466.2	466.3	466.3
167.5°	471.3	472.0	472.6	472.9	472.6	472.0	471.3	470.7	470.1	470.1	470.1
170°	474.5	475.2	475.8	476.1	475.8	475.2	474.5	473.9	473.3	473.3	473.3
172.5°	476.4	477.1	477.8	478.2	477.9	477.3	476.6	476.0	475.4	475.3	475.2
175°	478.1	478.7	479.4	479.7	479.4	478.9	478.3	477.8	477.2	477.1	477.0
177.5°	478.8	479.5	480.3	480.7	480.4	479.8	479.1	478.5	477.9	477.8	477.7
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1
2.5°	1904.7	1896.8	1889.0	1889.0	1871.6	1855.9	1848.0	1851.1	1841.7	1829.1	1816.5
5°	1988.2	1956.7	1950.4	1933.1	1909.4	1876.4	1859.0	1843.3	1824.4	1799.2	1775.5
7.5°	2065.4	2024.4	2002.4	1985.1	1939.4	1893.7	1855.9	1830.7	1797.6	1759.8	1731.4
10°	2166.2	2090.6	2067.0	2027.6	1963.0	1898.4	1854.3	1813.3	1767.6	1723.5	1685.7
12.5°	2246.6	2159.9	2115.8	2076.4	1992.9	1911.0	1837.0	1786.6	1731.4	1682.6	1633.7
15°	2338.0	2240.3	2163.1	2115.8	2010.3	1911.0	1827.5	1756.6	1695.2	1635.3	1592.8
17.5°	2382.1	2259.2	2224.5	2156.8	2004.0	1904.7	1802.3	1726.7	1652.6	1583.3	1532.9
20°	2451.4	2308.0	2221.4	2175.7	2040.2	1893.7	1774.0	1687.3	1610.1	1536.1	1482.5
22.5°	2456.1	2300.1	2243.4	2156.8	1989.8	1860.6	1748.7	1643.2	1553.4	1484.1	1428.9
25°	2445.1	2286.0	2207.2	2137.9	1999.2	1841.7	1698.3	1594.4	1506.1	1425.8	1361.2
27.5°	2440.4	2245.0	2171.0	2101.6	1945.7	1786.6	1668.4	1550.2	1449.4	1378.5	1312.3
30°	2434.1	2200.9	2111.1	2030.7	1887.4	1744.0	1602.2	1499.8	1403.7	1313.9	1247.8
32.5°	2393.1	2141.0	2049.7	1964.6	1810.2	1666.8	1555.0	1446.3	1342.3	1258.8	1198.9
35°	2380.5	2085.9	1966.2	1874.8	1723.5	1595.9	1477.8	1388.0	1290.3	1206.8	1135.9
37.5°	2344.3	2029.2	1900.0	1783.4	1625.9	1504.6	1417.9	1328.1	1233.6	1143.8	1087.1
40°	2281.2	1963.0	1816.5	1696.8	1534.5	1411.6	1331.3	1265.1	1172.1	1091.8	1022.5
42.5°	2188.3	1895.3	1737.7	1611.7	1432.1	1317.1	1250.9	1187.9	1109.1	1025.6	968.9
45°	2081.2	1805.5	1658.9	1518.7	1336.0	1224.1	1154.8	1117.0	1044.5	973.6	907.5
47.5°	1934.6	1712.5	1567.6	1422.6	1236.7	1128.0	1072.9	1035.1	984.7	907.5	853.9
50°	1750.3	1592.8	1455.7	1326.5	1139.0	1035.1	979.9	951.6	909.0	853.9	801.9
52.5°	1545.5	1454.1	1340.7	1221.0	1039.8	942.1	891.7	869.6	838.1	786.1	742.0
55°	1339.1	1299.7	1222.5	1104.4	935.8	855.5	811.4	783.0	759.4	721.6	683.7
57.5°	1154.8	1135.9	1082.3	991.0	849.2	765.7	727.9	709.0	690.0	661.7	623.9
60°	964.2	984.7	929.5	883.8	754.6	682.2	649.1	628.6	619.1	593.9	570.3
62.5°	798.8	817.7	786.1	751.5	660.1	595.5	575.0	556.1	549.8	527.8	504.1
65°	649.1	672.7	649.1	630.2	575.0	521.5	496.3	486.8	480.5	466.3	447.4
67.5°	516.7	540.4	529.3	505.7	488.4	444.3	430.1	420.6	417.5	406.5	390.7
70°	389.1	422.2	425.4	411.2	395.4	375.0	365.5	362.4	354.5	345.0	335.6
72.5°	280.4	318.2	319.8	319.8	310.4	310.4	300.9	296.2	296.2	286.7	275.7
75°	206.4	231.6	234.7	237.9	242.6	247.3	241.0	241.0	239.5	230.0	225.3
77.5°	137.1	159.1	167.0	178.0	184.3	184.3	187.5	190.6	187.5	182.8	179.6
80°	88.2	104.0	113.4	119.7	129.2	133.9	138.6	140.2	137.1	135.5	130.8
82.5°	58.3	63.0	67.7	75.6	86.6	94.5	94.5	93.0	96.1	94.5	93.0
85°	33.1	36.2	37.8	39.4	45.7	53.6	55.1	56.7	59.9	56.7	53.6
87.5°	12.6	14.2	14.2	14.2	17.3	18.9	23.6	29.9	28.4	25.2	25.2
90°	5.4	4.4	3.9	3.5	2.7	2.0	1.2	0.4	1.2	2.0	2.7
92.5°	7.1	6.4	6.0	6.2	6.7	7.2	7.7	8.2	7.7	7.2	6.7
95°	8.4	7.5	7.1	8.7	12.0	15.2	18.5	21.7	18.5	15.2	12.0
97.5°	23.5	27.5	29.5	30.6	32.8	35.1	37.3	39.5	37.3	35.1	32.8
100°	48.7	61.0	67.2	66.4	64.8	63.3	61.7	60.1	61.7	63.3	64.8
102.5°	67.6	81.3	88.2	87.7	86.7	85.6	84.6	83.6	84.6	85.6	86.7
105°	99.2	106.3	109.9	109.5	108.6	107.7	106.9	106.0	106.9	107.7	108.6
107.5°	134.8	133.6	133.0	132.6	131.9	131.2	130.5	129.8	130.5	131.2	131.9
110°	157.8	156.9	156.5	156.2	155.5	154.9	154.2	153.6	154.2	154.9	155.5

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	180.2	179.3	178.9	178.6	178.1	177.5	177.0	176.4	177.0	177.5	178.1
115°	202.0	201.3	200.9	200.7	200.2	199.7	199.3	198.8	199.3	199.7	200.2
117.5°	223.9	223.5	223.3	223.0	222.5	221.9	221.4	220.8	221.4	221.9	222.5
120°	244.6	244.4	244.3	243.9	243.2	242.5	241.8	241.1	241.8	242.5	243.2
122.5°	264.7	264.4	264.2	263.9	263.4	262.8	262.3	261.7	262.3	262.8	263.4
125°	283.5	283.2	283.0	282.7	282.1	281.4	280.8	280.2	280.8	281.4	282.1
127.5°	302.1	301.7	301.5	301.2	300.6	299.9	299.3	298.7	299.3	299.9	300.6
130°	319.1	318.8	318.6	318.3	317.6	317.0	316.3	315.7	316.3	317.0	317.6
132.5°	335.3	335.0	334.9	334.6	334.0	333.3	332.7	332.1	332.7	333.3	334.0
135°	351.4	351.1	350.9	350.7	350.2	349.7	349.3	348.8	349.3	349.7	350.2
137.5°	366.1	366.0	365.9	365.6	364.9	364.3	363.6	363.0	363.6	364.3	364.9
140°	379.8	379.5	379.4	379.2	378.7	378.2	377.8	377.3	377.8	378.2	378.7
142.5°	392.9	392.6	392.5	392.3	391.8	391.3	390.9	390.4	390.9	391.3	391.8
145°	405.2	405.1	405.0	404.7	404.2	403.6	403.1	402.5	403.1	403.6	404.2
147.5°	416.2	416.1	416.0	415.8	415.4	415.0	414.6	414.2	414.6	415.0	415.4
150°	426.2	426.1	426.0	425.9	425.6	425.4	425.1	424.9	425.1	425.4	425.6
152.5°	435.0	434.9	434.9	434.9	434.8	434.7	434.6	434.5	434.6	434.7	434.8
155°	442.8	442.7	442.7	442.8	442.9	443.1	443.2	443.4	443.2	443.1	442.9
157.5°	450.4	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5
160°	456.5	456.6	456.6	456.6	456.7	456.8	456.8	456.9	456.8	456.8	456.7
162.5°	461.8	461.9	461.9	462.0	462.3	462.5	462.8	463.0	462.8	462.5	462.3
165°	466.4	466.5	466.5	466.6	466.9	467.1	467.4	467.6	467.4	467.1	466.9
167.5°	470.1	470.1	470.1	470.3	470.6	470.9	471.2	471.5	471.2	470.9	470.6
170°	473.3	473.3	473.3	473.5	473.8	474.1	474.4	474.7	474.4	474.1	473.8
172.5°	475.1	475.0	475.0	475.2	475.6	476.0	476.4	476.8	476.4	476.0	475.6
175°	476.9	476.8	476.8	477.0	477.4	477.8	478.2	478.6	478.2	477.8	477.4
177.5°	477.6	477.5	477.5	477.7	478.1	478.5	478.9	479.3	478.9	478.5	478.1
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1
2.5°	1816.5	1808.6	1805.5	1797.6	1778.7	1766.1	1751.9	1742.4	1744.0	1736.1	1740.9
5°	1759.8	1758.2	1747.2	1731.4	1704.6	1690.5	1665.2	1652.6	1646.3	1647.9	1638.5
7.5°	1712.5	1698.3	1690.5	1665.2	1640.0	1610.1	1589.6	1578.6	1569.1	1559.7	1553.4
10°	1658.9	1646.3	1633.7	1607.0	1572.3	1543.9	1515.6	1504.6	1490.4	1484.1	1479.3
12.5°	1602.2	1594.4	1578.6	1547.1	1507.7	1480.9	1447.8	1441.5	1422.6	1410.0	1406.9
15°	1550.2	1545.5	1517.2	1480.9	1441.5	1414.7	1386.4	1367.5	1336.0	1342.3	1331.3
17.5°	1495.1	1474.6	1457.3	1408.4	1389.5	1348.6	1315.5	1306.0	1284.0	1269.8	1255.6
20°	1433.7	1421.1	1399.0	1367.5	1321.8	1274.5	1249.3	1233.6	1221.0	1198.9	1192.6
22.5°	1375.4	1359.6	1340.7	1299.7	1260.4	1221.0	1186.3	1172.1	1156.4	1140.6	1131.2
25°	1329.7	1306.0	1285.6	1235.1	1195.8	1162.7	1140.6	1117.0	1094.9	1085.5	1082.3
27.5°	1258.8	1244.6	1224.1	1176.9	1140.6	1104.4	1083.9	1068.2	1044.5	1033.5	1024.0
30°	1213.1	1184.7	1161.1	1123.3	1087.1	1047.7	1028.8	1009.9	995.7	981.5	970.5
32.5°	1151.7	1129.6	1110.7	1072.9	1036.6	1000.4	979.9	951.6	943.7	932.7	920.1
35°	1091.8	1077.6	1057.1	1016.2	976.8	951.6	929.5	902.7	893.3	885.4	874.4
37.5°	1035.1	1014.6	1000.4	961.0	926.4	896.4	879.1	857.0	850.7	841.3	833.4
40°	986.2	965.7	951.6	912.2	875.9	844.4	833.4	811.4	801.9	790.9	786.1
42.5°	931.1	913.8	894.9	866.5	828.7	797.2	775.1	762.5	749.9	745.2	735.7
45°	872.8	857.0	842.9	811.4	772.0	749.9	731.0	713.7	704.2	696.3	690.0
47.5°	822.4	808.2	789.3	754.6	723.1	702.6	683.7	666.4	657.0	647.5	639.6
50°	764.1	756.2	735.7	702.6	672.7	649.1	631.8	616.0	609.7	598.7	586.1
52.5°	712.1	697.9	680.6	653.8	627.0	598.7	575.0	565.6	554.6	548.3	537.2
55°	650.7	641.2	622.3	598.7	570.3	546.7	529.3	516.7	502.6	496.3	482.1
57.5°	598.7	581.3	571.9	542.0	515.2	491.5	478.9	466.3	450.6	441.1	434.8
60°	542.0	526.2	512.0	486.8	467.9	442.7	423.8	412.8	401.7	389.1	382.8
62.5°	486.8	474.2	456.9	436.4	412.8	392.3	378.1	362.4	356.1	343.4	338.7
65°	426.9	417.5	403.3	379.7	360.8	343.4	329.3	316.7	310.4	305.6	302.5
67.5°	373.4	360.8	351.3	330.8	310.4	296.2	288.3	280.4	272.6	267.8	263.1
70°	318.2	308.8	299.3	280.4	266.3	253.6	247.3	241.0	236.3	231.6	226.9
72.5°	261.5	256.8	247.3	234.7	223.7	214.3	209.5	201.7	196.9	189.1	185.9
75°	215.8	208.0	203.2	192.2	182.8	174.9	168.6	159.1	152.8	149.7	148.1
77.5°	170.1	167.0	160.7	151.2	146.5	138.6	129.2	126.0	122.9	122.9	121.3
80°	127.6	122.9	118.2	110.3	105.6	99.3	99.3	99.3	97.7	99.3	97.7
82.5°	86.6	83.5	80.3	75.6	74.0	74.0	75.6	75.6	75.6	75.6	75.6
85°	50.4	50.4	50.4	52.0	50.4	50.4	52.0	53.6	52.0	52.0	50.4
87.5°	23.6	23.6	25.2	25.2	26.8	26.8	26.8	26.8	26.8	26.8	28.4
90°	3.5	3.9	4.4	5.4	6.5	7.5	8.5	8.8	9.2	9.5	9.8
92.5°	6.2	6.0	6.4	7.1	7.8	8.5	9.2	9.8	10.3	10.9	11.4
95°	8.7	7.1	7.5	8.4	9.3	10.1	11.0	11.6	12.1	12.7	13.2
97.5°	30.6	29.5	27.5	23.5	19.4	15.4	11.4	12.0	12.6	13.3	13.9
100°	66.4	67.2	61.0	48.7	36.4	24.0	11.7	12.3	13.0	13.6	14.3
102.5°	87.7	88.2	81.3	67.6	53.8	40.1	26.3	23.7	21.1	18.5	15.9
105°	109.5	109.9	106.3	99.2	92.1	85.0	77.9	63.9	49.9	35.9	21.9
107.5°	132.6	133.0	133.6	134.8	135.9	137.1	138.3	126.1	114.0	101.8	89.7
110°	156.2	156.5	156.9	157.8	158.7	159.5	160.4	157.8	155.2	152.5	149.9

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	178.6	178.9	179.3	180.2	181.1	181.9	182.8	183.5	184.2	184.9	185.6
115°	200.7	200.9	201.3	202.0	202.7	203.4	204.1	204.9	205.7	206.5	207.3
117.5°	223.0	223.3	223.5	223.9	224.3	224.7	225.1	225.7	226.3	227.0	227.6
120°	243.9	244.3	244.4	244.6	244.9	245.1	245.3	245.9	246.6	247.2	247.9
122.5°	263.9	264.2	264.4	264.7	265.0	265.3	265.6	266.0	266.4	266.8	267.2
125°	282.7	283.0	283.2	283.5	283.8	284.2	284.5	284.7	284.8	285.0	285.1
127.5°	301.2	301.5	301.7	302.1	302.5	302.9	303.3	303.5	303.8	304.0	304.3
130°	318.3	318.6	318.8	319.1	319.4	319.7	320.0	320.3	320.6	320.9	321.2
132.5°	334.6	334.9	335.0	335.3	335.5	335.8	336.0	336.3	336.6	336.9	337.2
135°	350.7	350.9	351.1	351.4	351.7	352.1	352.4	352.6	352.8	353.1	353.3
137.5°	365.6	365.9	366.0	366.1	366.3	366.4	366.6	367.0	367.4	367.8	368.2
140°	379.2	379.4	379.5	379.8	380.0	380.3	380.5	380.8	381.1	381.4	381.7
142.5°	392.3	392.5	392.6	392.9	393.1	393.4	393.6	393.8	394.1	394.3	394.6
145°	404.7	405.0	405.1	405.2	405.4	405.5	405.7	405.9	406.0	406.2	406.3
147.5°	415.8	416.0	416.1	416.2	416.4	416.5	416.7	416.9	417.0	417.2	417.3
150°	425.9	426.0	426.1	426.2	426.4	426.5	426.7	426.9	427.0	427.2	427.3
152.5°	434.9	434.9	434.9	435.0	435.1	435.1	435.2	435.5	435.8	436.1	436.4
155°	442.8	442.7	442.7	442.8	442.9	442.9	443.0	443.4	443.8	444.2	444.6
157.5°	450.5	450.5	450.5	450.4	450.3	450.3	450.2	450.7	451.1	451.6	452.1
160°	456.6	456.6	456.6	456.5	456.4	456.3	456.2	456.7	457.1	457.6	458.1
162.5°	462.0	461.9	461.9	461.8	461.7	461.6	461.5	462.1	462.6	463.2	463.7
165°	466.6	466.5	466.5	466.4	466.3	466.3	466.2	466.8	467.4	468.1	468.7
167.5°	470.3	470.1	470.1	470.1	470.1	470.1	470.1	470.7	471.3	472.0	472.6
170°	473.5	473.3	473.3	473.3	473.3	473.3	473.3	473.9	474.5	475.2	475.8
172.5°	475.2	475.0	475.0	475.1	475.2	475.3	475.4	476.0	476.6	477.3	477.9
175°	477.0	476.8	476.8	476.9	477.0	477.1	477.2	477.8	478.3	478.9	479.4
177.5°	477.7	477.5	477.5	477.6	477.7	477.8	477.9	478.5	479.1	479.8	480.4
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1
2.5°	1739.3	1740.9	1736.1	1726.7	1725.1	1728.3	1737.7	1734.6	1726.7	1740.9	1728.3
5°	1643.2	1635.3	1632.2	1635.3	1625.9	1621.1	1630.6	1625.9	1630.6	1632.2	1636.9
7.5°	1550.2	1551.8	1542.4	1543.9	1531.3	1534.5	1534.5	1534.5	1539.2	1542.4	1548.7
10°	1469.9	1473.0	1462.0	1463.6	1454.1	1447.8	1452.6	1462.0	1462.0	1462.0	1465.2
12.5°	1405.3	1391.1	1383.2	1381.7	1370.6	1367.5	1376.9	1380.1	1388.0	1388.0	1392.7
15°	1324.9	1321.8	1315.5	1315.5	1288.7	1295.0	1298.2	1309.2	1324.9	1312.3	1315.5
17.5°	1252.5	1244.6	1236.7	1233.6	1230.4	1221.0	1233.6	1232.0	1241.5	1243.0	1247.8
20°	1187.9	1181.6	1165.8	1167.4	1170.6	1156.4	1164.3	1164.3	1173.7	1183.2	1194.2
22.5°	1124.9	1118.6	1110.7	1113.8	1104.4	1101.2	1101.2	1109.1	1120.1	1128.0	1126.4
25°	1076.0	1065.0	1060.3	1055.5	1050.8	1054.0	1049.2	1057.1	1065.0	1069.7	1065.0
27.5°	1020.9	1016.2	1006.7	1002.0	994.1	997.3	1000.4	1006.7	1011.4	1011.4	1016.2
30°	967.3	961.0	957.9	953.1	953.1	946.8	948.4	954.7	959.4	964.2	970.5
32.5°	915.3	910.6	905.9	905.9	902.7	901.2	899.6	909.0	909.0	918.5	918.5
35°	872.8	864.9	864.9	857.0	860.2	858.6	855.5	861.8	863.3	869.6	868.1
37.5°	825.5	825.5	822.4	814.5	808.2	809.8	817.7	817.7	822.4	820.8	825.5
40°	778.3	775.1	775.1	770.4	768.8	767.2	768.8	770.4	778.3	776.7	778.3
42.5°	731.0	732.6	724.7	724.7	724.7	720.0	721.6	723.1	726.3	729.4	734.2
45°	685.3	682.2	680.6	677.4	674.3	675.9	674.3	680.6	679.0	682.2	686.9
47.5°	636.5	631.8	630.2	623.9	623.9	627.0	625.5	630.2	631.8	636.5	633.3
50°	589.2	582.9	578.2	579.8	570.3	573.5	573.5	578.2	582.9	584.5	587.6
52.5°	534.1	532.5	530.9	523.0	521.5	519.9	521.5	523.0	529.3	534.1	535.7
55°	480.5	478.9	469.5	466.3	461.6	461.6	464.8	466.3	477.4	478.9	485.2
57.5°	431.7	426.9	415.9	414.3	414.3	414.3	409.6	415.9	419.1	426.9	426.9
60°	378.1	378.1	368.7	368.7	370.2	368.7	368.7	370.2	370.2	376.5	379.7
62.5°	335.6	334.0	334.0	330.8	329.3	330.8	329.3	329.3	330.8	335.6	340.3
65°	297.8	296.2	294.6	293.0	289.9	289.9	291.5	294.6	294.6	297.8	299.3
67.5°	261.5	261.5	258.4	258.4	256.8	255.2	256.8	255.2	261.5	261.5	263.1
70°	225.3	223.7	219.0	217.4	212.7	214.3	214.3	219.0	220.6	223.7	226.9
72.5°	181.2	181.2	178.0	174.9	176.4	173.3	173.3	174.9	174.9	179.6	181.2
75°	149.7	146.5	144.9	146.5	144.9	148.1	144.9	144.9	148.1	148.1	148.1
77.5°	122.9	122.9	121.3	121.3	122.9	121.3	122.9	122.9	122.9	121.3	122.9
80°	100.8	99.3	99.3	99.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
82.5°	75.6	75.6	74.0	75.6	75.6	74.0	75.6	74.0	74.0	75.6	75.6
85°	50.4	53.6	50.4	50.4	52.0	52.0	53.6	52.0	53.6	50.4	52.0
87.5°	26.8	28.4	28.4	26.8	26.8	28.4	28.4	28.4	29.9	26.8	28.4
90°	10.0	10.1	10.2	10.4	10.5	10.7	10.5	10.4	10.2	10.1	10.0
92.5°	11.7	11.7	11.8	11.9	12.0	12.1	12.0	11.9	11.8	11.7	11.7
95°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
97.5°	14.2	14.2	14.3	14.4	14.5	14.6	14.5	14.4	14.3	14.2	14.2
100°	14.6	14.6	14.7	14.8	14.8	14.9	14.8	14.8	14.7	14.6	14.6
102.5°	14.6	14.7	14.8	15.0	15.1	15.3	15.1	15.0	14.8	14.7	14.6
105°	14.9	15.0	15.1	15.3	15.4	15.6	15.4	15.3	15.1	15.0	14.9
107.5°	83.6	78.4	68.1	57.7	47.4	37.0	47.4	57.7	68.1	78.4	83.6
110°	148.6	143.0	131.7	120.4	109.1	97.8	109.1	120.4	131.7	143.0	148.6

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	186.0	185.9	185.8	185.6	185.5	185.3	185.5	185.6	185.8	185.9	186.0
115°	207.7	207.9	208.2	208.5	208.8	209.1	208.8	208.5	208.2	207.9	207.7
117.5°	227.9	227.9	228.0	228.1	228.2	228.3	228.2	228.1	228.0	227.9	227.9
120°	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2
122.5°	267.4	267.4	267.5	267.6	267.6	267.7	267.6	267.6	267.5	267.4	267.4
125°	285.2	285.3	285.4	285.6	285.7	285.9	285.7	285.6	285.4	285.3	285.2
127.5°	304.4	304.3	304.2	304.0	303.9	303.7	303.9	304.0	304.2	304.3	304.4
130°	321.4	321.3	321.2	321.0	320.9	320.7	320.9	321.0	321.2	321.3	321.4
132.5°	337.4	337.3	337.1	336.8	336.6	336.4	336.6	336.8	337.1	337.3	337.4
135°	353.4	353.3	353.1	352.8	352.6	352.4	352.6	352.8	353.1	353.3	353.4
137.5°	368.4	368.3	368.2	368.0	367.9	367.7	367.9	368.0	368.2	368.3	368.4
140°	381.9	381.8	381.7	381.5	381.4	381.2	381.4	381.5	381.7	381.8	381.9
142.5°	394.7	394.6	394.3	394.1	393.8	393.6	393.8	394.1	394.3	394.6	394.7
145°	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4
147.5°	417.4	417.2	416.8	416.5	416.1	415.7	416.1	416.5	416.8	417.2	417.4
150°	427.4	427.3	427.0	426.8	426.5	426.3	426.5	426.8	427.0	427.3	427.4
152.5°	436.6	436.4	436.0	435.7	435.3	434.9	435.3	435.7	436.0	436.4	436.6
155°	444.8	444.6	444.1	443.6	443.2	442.7	443.2	443.6	444.1	444.6	444.8
157.5°	452.3	452.0	451.3	450.7	450.0	449.4	450.0	450.7	451.3	452.0	452.3
160°	458.3	458.0	457.5	456.9	456.4	455.8	456.4	456.9	457.5	458.0	458.3
162.5°	464.0	463.8	463.3	462.8	462.4	461.9	462.4	462.8	463.3	463.8	464.0
165°	469.0	468.7	468.2	467.6	467.1	466.5	467.1	467.6	468.2	468.7	469.0
167.5°	472.9	472.6	472.0	471.3	470.7	470.1	470.7	471.3	472.0	472.6	472.9
170°	476.1	475.8	475.2	474.5	473.9	473.3	473.9	474.5	475.2	475.8	476.1
172.5°	478.2	477.8	477.1	476.4	475.7	475.0	475.7	476.4	477.1	477.8	478.2
175°	479.7	479.4	478.7	478.1	477.4	476.8	477.4	478.1	478.7	479.4	479.7
177.5°	480.7	480.3	479.5	478.8	478.0	477.2	478.0	478.8	479.5	480.3	480.7
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1
2.5°	1740.9	1747.2	1740.9	1728.3	1740.9	1748.7	1756.6	1769.2	1775.5	1775.5	1785.0
5°	1641.6	1654.2	1649.5	1646.3	1658.9	1666.8	1679.4	1695.2	1712.5	1723.5	1736.1
7.5°	1553.4	1561.3	1569.1	1569.1	1581.7	1599.1	1618.0	1636.9	1658.9	1674.7	1684.2
10°	1476.2	1482.5	1487.2	1493.5	1512.4	1531.3	1556.5	1580.2	1599.1	1616.4	1632.2
12.5°	1402.1	1411.6	1422.6	1427.4	1441.5	1465.2	1488.8	1517.2	1547.1	1564.4	1580.2
15°	1331.3	1336.0	1348.6	1362.8	1375.4	1400.6	1430.5	1460.4	1485.6	1512.4	1526.6
17.5°	1258.8	1260.4	1293.4	1285.6	1326.5	1350.2	1365.9	1394.3	1435.2	1457.3	1479.3
20°	1187.9	1203.6	1217.8	1225.7	1247.8	1274.5	1320.2	1342.3	1375.4	1395.8	1414.7
22.5°	1132.7	1156.4	1156.4	1175.3	1186.3	1211.5	1244.6	1287.1	1323.4	1337.6	1364.3
25°	1083.9	1094.9	1113.8	1120.1	1140.6	1162.7	1184.7	1230.4	1269.8	1288.7	1307.6
27.5°	1020.9	1035.1	1060.3	1060.3	1087.1	1110.7	1137.5	1167.4	1206.8	1233.6	1254.1
30°	972.0	986.2	997.3	1014.6	1025.6	1047.7	1094.9	1117.0	1151.7	1175.3	1200.5
32.5°	926.4	937.4	946.8	965.7	978.4	1003.6	1028.8	1068.2	1098.1	1120.1	1146.9
35°	875.9	887.0	899.6	913.8	932.7	956.3	979.9	1013.0	1042.9	1063.4	1085.5
37.5°	828.7	836.6	855.5	864.9	880.7	902.7	932.7	967.3	994.1	1009.9	1031.9
40°	783.0	789.3	803.5	820.8	831.8	849.2	880.7	910.6	943.7	962.6	979.9
42.5°	734.2	742.0	754.6	772.0	789.3	808.2	825.5	860.2	890.1	905.9	924.8
45°	691.6	696.3	705.8	723.1	740.5	754.6	781.4	812.9	841.3	853.9	874.4
47.5°	641.2	645.9	660.1	668.0	686.9	705.8	732.6	764.1	789.3	801.9	820.8
50°	589.2	593.9	603.4	620.7	633.3	653.8	677.4	704.2	735.7	753.1	764.1
52.5°	538.8	548.3	556.1	570.3	586.1	606.5	628.6	653.8	680.6	697.9	710.5
55°	488.4	496.3	505.7	513.6	532.5	551.4	576.6	600.2	623.9	639.6	653.8
57.5°	431.7	442.7	452.2	467.9	482.1	497.8	526.2	545.1	573.5	584.5	597.1
60°	382.8	393.9	401.7	414.3	426.9	447.4	466.3	490.0	513.6	527.8	543.5
62.5°	341.9	346.6	351.3	363.9	376.5	395.4	414.3	438.0	463.2	471.1	483.7
65°	300.9	305.6	313.5	324.5	334.0	345.0	365.5	384.4	408.0	420.6	425.4
67.5°	266.3	271.0	272.6	280.4	288.3	300.9	311.9	330.8	352.9	360.8	370.2
70°	226.9	234.7	236.3	242.6	245.8	253.6	266.3	280.4	297.8	311.9	319.8
72.5°	181.2	192.2	195.4	204.8	209.5	217.4	226.9	237.9	248.9	255.2	261.5
75°	148.1	151.2	152.8	160.7	168.6	179.6	184.3	190.6	200.1	208.0	214.3
77.5°	122.9	124.5	126.0	126.0	127.6	133.9	143.4	151.2	157.5	160.7	165.4
80°	99.3	97.7	97.7	99.3	99.3	99.3	102.4	113.4	116.6	124.5	122.9
82.5°	77.2	74.0	75.6	74.0	74.0	74.0	74.0	75.6	75.6	80.3	83.5
85°	50.4	52.0	50.4	50.4	48.8	50.4	48.8	48.8	47.3	47.3	45.7
87.5°	26.8	28.4	26.8	26.8	25.2	26.8	25.2	25.2	23.6	23.6	20.5
90°	9.8	9.5	9.2	8.8	8.5	7.5	6.5	5.4	4.4	3.9	3.5
92.5°	11.4	10.9	10.3	9.8	9.2	8.5	7.8	7.1	6.4	6.0	6.2
95°	13.2	12.7	12.1	11.6	11.0	10.1	9.3	8.4	7.5	7.1	8.7
97.5°	13.9	13.3	12.6	12.0	11.4	15.4	19.4	23.5	27.5	29.5	30.6
100°	14.3	13.6	13.0	12.3	11.7	24.0	36.4	48.7	61.0	67.2	66.4
102.5°	15.9	18.5	21.1	23.7	26.3	40.1	53.8	67.6	81.3	88.2	87.7
105°	21.9	35.9	49.9	63.9	77.9	85.0	92.1	99.2	106.3	109.9	109.5
107.5°	89.7	101.8	114.0	126.1	138.3	137.1	135.9	134.8	133.6	133.0	132.6
110°	149.9	152.5	155.2	157.8	160.4	159.5	158.7	157.8	156.9	156.5	156.2

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	185.6	184.9	184.2	183.5	182.8	181.9	181.1	180.2	179.3	178.9	178.6
115°	207.3	206.5	205.7	204.9	204.1	203.4	202.7	202.0	201.3	200.9	200.7
117.5°	227.6	227.0	226.3	225.7	225.1	224.7	224.3	223.9	223.5	223.3	223.0
120°	247.9	247.2	246.6	245.9	245.3	245.1	244.9	244.6	244.4	244.3	243.9
122.5°	267.2	266.8	266.4	266.0	265.6	265.3	265.0	264.7	264.4	264.2	263.9
125°	285.1	285.0	284.8	284.7	284.5	284.2	283.8	283.5	283.2	283.0	282.7
127.5°	304.3	304.0	303.8	303.5	303.3	302.9	302.5	302.1	301.7	301.5	301.2
130°	321.2	320.9	320.6	320.3	320.0	319.7	319.4	319.1	318.8	318.6	318.3
132.5°	337.2	336.9	336.6	336.3	336.0	335.8	335.5	335.3	335.0	334.9	334.6
135°	353.3	353.1	352.8	352.6	352.4	352.1	351.7	351.4	351.1	350.9	350.7
137.5°	368.2	367.8	367.4	367.0	366.6	366.4	366.3	366.1	366.0	365.9	365.6
140°	381.7	381.4	381.1	380.8	380.5	380.3	380.0	379.8	379.5	379.4	379.2
142.5°	394.6	394.3	394.1	393.8	393.6	393.4	393.1	392.9	392.6	392.5	392.3
145°	406.3	406.2	406.0	405.9	405.7	405.5	405.4	405.2	405.1	405.0	404.7
147.5°	417.3	417.2	417.0	416.9	416.7	416.5	416.4	416.2	416.1	416.0	415.8
150°	427.3	427.2	427.0	426.9	426.7	426.5	426.4	426.2	426.1	426.0	425.9
152.5°	436.4	436.1	435.8	435.5	435.2	435.1	435.1	435.0	434.9	434.9	434.9
155°	444.6	444.2	443.8	443.4	443.0	442.9	442.9	442.8	442.7	442.7	442.8
157.5°	452.1	451.6	451.1	450.7	450.2	450.3	450.3	450.4	450.5	450.5	450.5
160°	458.1	457.6	457.1	456.7	456.2	456.3	456.4	456.5	456.6	456.6	456.6
162.5°	463.7	463.2	462.6	462.1	461.5	461.6	461.7	461.8	461.9	461.9	462.0
165°	468.7	468.1	467.4	466.8	466.2	466.3	466.3	466.4	466.5	466.5	466.6
167.5°	472.6	472.0	471.3	470.7	470.1	470.1	470.1	470.1	470.1	470.1	470.3
170°	475.8	475.2	474.5	473.9	473.3	473.3	473.3	473.3	473.3	473.3	473.5
172.5°	477.9	477.3	476.6	476.0	475.4	475.3	475.2	475.1	475.0	475.0	475.2
175°	479.4	478.9	478.3	477.8	477.2	477.1	477.0	476.9	476.8	476.8	477.0
177.5°	480.4	479.8	479.1	478.5	477.9	477.8	477.7	477.6	477.5	477.5	477.7
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1840.1	1840.1	1840.1	1840.1
2.5°	1792.9	1803.9	1825.9	1844.8
5°	1755.0	1772.4	1805.5	1838.5
7.5°	1709.4	1736.1	1778.7	1824.4
10°	1665.2	1699.9	1751.9	1805.5
12.5°	1621.1	1657.4	1712.5	1781.8
15°	1569.1	1607.0	1673.1	1756.6
17.5°	1523.5	1573.9	1633.7	1717.2
20°	1474.6	1512.4	1589.6	1677.8
22.5°	1413.2	1476.2	1548.7	1641.6
25°	1364.3	1419.5	1491.9	1597.5
27.5°	1304.5	1369.1	1457.3	1550.2
30°	1255.6	1309.2	1391.1	1503.0
32.5°	1198.9	1261.9	1347.0	1457.3
35°	1148.5	1202.1	1282.4	1394.3
37.5°	1088.6	1146.9	1236.7	1336.0
40°	1036.6	1093.4	1178.4	1271.4
42.5°	973.6	1033.5	1118.6	1197.3
45°	923.2	978.4	1046.1	1118.6
47.5°	861.8	920.1	986.2	1036.6
50°	806.6	860.2	912.2	954.7
52.5°	746.8	795.6	842.9	874.4
55°	691.6	729.4	767.2	789.3
57.5°	627.0	663.3	694.8	707.4
60°	570.3	600.2	620.7	634.9
62.5°	510.4	532.5	548.3	556.1
65°	452.2	467.9	475.8	483.7
67.5°	392.3	406.5	411.2	420.6
70°	329.3	345.0	348.2	352.9
72.5°	282.0	282.0	288.3	294.6
75°	225.3	228.4	231.6	231.6
77.5°	176.4	176.4	179.6	181.2
80°	129.2	130.8	130.8	129.2
82.5°	88.2	91.4	88.2	86.6
85°	48.8	55.1	52.0	52.0
87.5°	20.5	20.5	23.6	20.5
90°	2.7	2.0	1.2	0.4
92.5°	6.7	7.2	7.7	8.2
95°	12.0	15.2	18.5	21.7
97.5°	32.8	35.1	37.3	39.5
100°	64.8	63.3	61.7	60.1
102.5°	86.7	85.6	84.6	83.6
105°	108.6	107.7	106.9	106.0
107.5°	131.9	131.2	130.5	129.8
110°	155.5	154.9	154.2	153.6

TEST NUMBER: P1010840

CATALOG NUMBER: S123RDIP-B1165D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	178.1	177.5	177.0	176.4
115°	200.2	199.7	199.3	198.8
117.5°	222.5	221.9	221.4	220.8
120°	243.2	242.5	241.8	241.1
122.5°	263.4	262.8	262.3	261.7
125°	282.1	281.4	280.8	280.2
127.5°	300.6	299.9	299.3	298.7
130°	317.6	317.0	316.3	315.7
132.5°	334.0	333.3	332.7	332.1
135°	350.2	349.7	349.3	348.8
137.5°	364.9	364.3	363.6	363.0
140°	378.7	378.2	377.8	377.3
142.5°	391.8	391.3	390.9	390.4
145°	404.2	403.6	403.1	402.5
147.5°	415.4	415.0	414.6	414.2
150°	425.6	425.4	425.1	424.9
152.5°	434.8	434.7	434.6	434.5
155°	442.9	443.1	443.2	443.4
157.5°	450.5	450.5	450.5	450.5
160°	456.7	456.8	456.8	456.9
162.5°	462.3	462.5	462.8	463.0
165°	466.9	467.1	467.4	467.6
167.5°	470.6	470.9	471.2	471.5
170°	473.8	474.1	474.4	474.7
172.5°	475.6	476.0	476.4	476.8
175°	477.4	477.8	478.2	478.6
177.5°	478.1	478.5	478.9	479.3
180°	478.6	478.6	478.6	478.6

(END OF REPORT)