

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: P1013283

Luminaire Tested: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1013283
REPORT IS A COMBINATION OF REPORTS P999148 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K
Description: Define 4 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

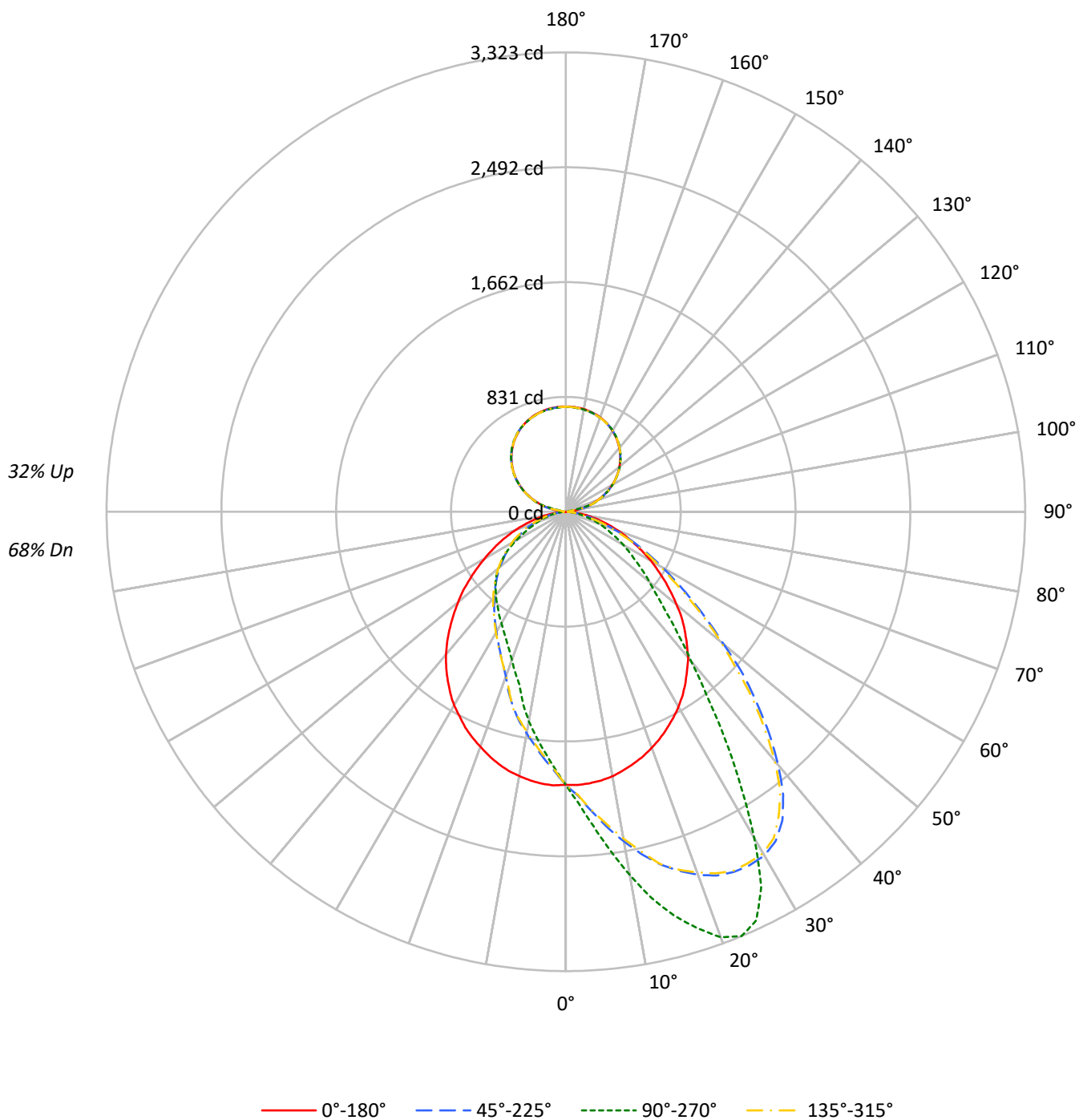
Lumens per Lamp: N/A
Luminaire Lumens: 7345.0 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 76.7
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



TEST NUMBER: P1013283

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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	105	105	105	105	93	93	93	83	83	83	73	73	73			68
1	102	98	95	91	97	93	90	87	83	80	78	74	72	70	65	64	63			59
2	94	87	81	76	88	82	77	72	73	69	66	66	62	60	58	56	54			50
3	86	77	69	64	81	73	66	61	65	60	56	58	54	51	52	49	46			43
4	79	68	60	54	74	65	58	52	58	53	48	52	48	44	47	43	40			37
5	73	61	53	47	69	58	51	45	53	47	42	47	43	39	43	39	36			33
6	67	55	47	41	63	53	45	40	48	42	37	43	38	34	39	35	32			29
7	62	50	42	37	59	48	41	35	43	37	33	39	34	31	36	31	28			26
8	58	46	38	33	55	44	37	32	40	34	29	36	31	27	33	29	25			23
9	54	42	34	29	51	40	33	28	37	31	27	33	28	25	30	26	23			21
10	51	39	31	26	48	37	30	26	34	28	24	31	26	23	28	24	21			19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16103	16103	16103	16103
5°	16104	18196	16130	13907
10°	16017	20976	16005	12095
15°	15827	23607	15827	10126
20°	15627	25595	15545	8917
25°	15384	25704	15313	8054
30°	15125	21857	15006	7460
35°	14758	16492	14572	7017
40°	14352	11952	14069	6672
45°	13678	9084	13338	6366
50°	12880	7342	12526	5917
55°	12014	6079	11621	5322
60°	11144	5140	10647	4425
65°	10054	4187	9734	3518
70°	9053	3396	8627	2857
75°	7934	2447	7383	2094
80°	6544	1622	5955	1539
85°	4745	834	3937	834

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 20160 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	2.6
10°-20°	577.5	7.9
20°-30°	904.5	12.3
30°-40°	1004.5	13.7
40°-50°	890.1	12.1
50°-60°	693.7	9.4
60°-70°	453.7	6.2
70°-80°	222.6	3.0
80°-90°	55.8	0.8
90°-100°	25.2	0.3
100°-110°	166.1	2.3
110°-120°	317.2	4.3
120°-130°	402.7	5.5
130°-140°	430.8	5.9
140°-150°	402.8	5.5
150°-160°	324.8	4.4
160°-170°	209.5	2.9
170°-180°	72.2	1.0
0°-30°	1673.2	22.8
0°-40°	2677.7	36.5
0°-60°	4261.4	58.0
0°-90°	4993.6	68.0
90°-120°	508.5	6.9
90°-150°	1744.9	23.8
90°-180°	2351.0	32.0
0°-180°	7345.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1975	1975	1975	1975	1975	
5°	1972	2282	1975	1744	1972	187
15°	1887	3023	1887	1297	1887	532
25°	1730	3260	1722	1022	1730	797
35°	1508	2008	1489	854	1508	943
45°	1216	1026	1186	719	1216	937
55°	875	613	847	536	875	783
65°	549	358	532	301	549	548
75°	275	166	256	142	275	292
85°	65	40	54	40	65	74
90°	2	17	2	17	2	6
95°	31	16	31	16	31	39
105°	171	162	171	162	171	179
115°	319	322	319	322	319	314
125°	449	452	449	452	449	401
135°	557	561	557	561	557	429
145°	642	646	642	646	642	401
155°	704	704	704	704	704	325
165°	743	739	743	739	743	210
175°	760	755	760	755	760	72
180°	760	760	760	760	760	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8
2.5°	1978.0	1995.5	2005.0	2013.0	2028.9	2035.2	2048.0	2051.2	2063.9	2062.3	2057.5
5°	1971.6	2001.8	2024.1	2048.0	2076.6	2092.5	2110.0	2135.5	2148.2	2165.7	2176.9
7.5°	1960.5	2001.8	2038.4	2075.0	2121.2	2146.6	2168.9	2208.7	2242.1	2270.8	2302.6
10°	1942.9	1995.5	2049.6	2098.9	2162.5	2192.8	2226.2	2285.1	2331.2	2371.0	2421.9
12.5°	1915.9	1989.1	2049.6	2116.4	2197.6	2238.9	2283.5	2353.5	2407.6	2472.8	2536.5
15°	1887.3	1968.4	2048.0	2135.5	2227.8	2275.5	2320.1	2414.0	2496.7	2571.5	2641.5
17.5°	1855.4	1944.5	2032.1	2129.1	2240.5	2299.4	2351.9	2464.9	2555.6	2652.7	2722.7
20°	1817.2	1914.3	2014.6	2122.8	2248.5	2313.7	2372.6	2501.5	2601.7	2706.8	2794.3
22.5°	1775.9	1880.9	1990.7	2108.4	2238.9	2310.5	2379.0	2517.4	2633.6	2730.6	2848.4
25°	1729.7	1841.1	1954.1	2078.2	2224.6	2302.6	2372.6	2509.4	2633.6	2760.9	2875.4
27.5°	1682.0	1796.6	1914.3	2044.8	2194.4	2270.8	2350.3	2482.4	2627.2	2765.6	2881.8
30°	1629.5	1740.9	1865.0	1989.1	2148.2	2224.6	2305.8	2449.0	2606.5	2745.0	2870.7
32.5°	1572.2	1686.8	1804.5	1933.4	2089.3	2172.1	2246.9	2409.2	2569.9	2706.8	2824.5
35°	1508.5	1616.7	1728.1	1860.2	2014.6	2089.3	2178.5	2347.1	2509.4	2654.3	2730.6
37.5°	1440.1	1543.5	1647.0	1777.5	1925.4	2016.1	2103.7	2273.9	2445.8	2542.9	2582.6
40°	1376.5	1467.2	1557.9	1683.6	1833.2	1927.0	2016.1	2192.8	2344.0	2418.7	2388.5
42.5°	1295.3	1389.2	1470.3	1586.5	1737.7	1825.2	1915.9	2098.9	2221.4	2251.7	2176.9
45°	1215.7	1293.7	1371.7	1484.7	1643.8	1718.6	1815.6	1985.9	2087.8	2060.7	1950.9
47.5°	1137.8	1201.4	1274.6	1384.4	1527.6	1616.7	1707.4	1855.4	1927.0	1888.8	1736.1
50°	1045.5	1109.1	1185.5	1281.0	1419.4	1505.3	1577.0	1713.8	1767.9	1674.0	1489.4
52.5°	957.9	1013.6	1078.9	1168.0	1300.1	1378.0	1456.0	1573.8	1591.3	1483.1	1288.9
55°	875.2	919.8	988.2	1059.8	1180.7	1263.5	1317.6	1417.8	1413.1	1277.8	1110.7
57.5°	789.3	830.6	876.8	951.6	1066.2	1128.2	1187.1	1274.6	1228.5	1113.9	948.4
60°	712.9	736.8	782.9	854.5	951.6	1005.7	1051.8	1099.6	1059.8	935.7	808.4
62.5°	628.6	655.6	689.0	746.3	832.2	883.2	916.6	937.3	895.9	800.4	684.2
65°	549.0	572.9	607.9	658.8	724.0	762.2	779.7	794.0	771.8	663.6	571.3
67.5°	477.4	493.3	525.1	558.5	628.6	638.1	662.0	668.3	623.8	541.0	467.8
70°	405.8	421.7	436.0	475.8	507.6	525.1	529.9	529.9	485.3	431.2	370.8
72.5°	338.9	348.5	362.8	389.9	407.4	420.1	426.5	418.5	377.1	332.6	288.0
75°	275.3	280.1	292.8	310.3	324.6	319.8	318.3	308.7	278.5	246.6	221.2
77.5°	211.6	214.8	229.1	233.9	233.9	238.7	232.3	222.8	197.3	173.4	162.3
80°	159.1	163.9	165.5	168.7	165.5	165.5	160.7	144.8	132.1	120.9	113.0
82.5°	109.8	113.0	114.6	109.8	113.0	108.2	100.3	89.1	81.2	79.6	76.4
85°	65.2	66.8	65.2	65.2	60.5	58.9	52.5	50.9	47.7	47.7	46.1
87.5°	31.8	30.2	27.1	23.9	23.9	22.3	23.9	20.7	23.9	22.3	20.7
90°	1.7	3.1	4.5	5.9	7.3	8.0	8.5	9.5	10.5	11.5	12.5
92.5°	8.5	8.3	8.0	7.8	7.5	7.4	7.9	8.9	9.9	10.9	11.9
95°	31.3	27.0	22.7	18.4	14.1	11.9	12.0	12.1	12.2	12.4	12.5
97.5°	59.7	62.5	65.3	68.0	70.8	72.2	65.6	52.3	39.0	25.8	12.5
100°	93.2	95.5	97.7	100.0	102.3	103.4	94.7	77.3	59.8	42.4	25.0
102.5°	130.7	132.2	133.7	135.2	136.7	137.5	138.3	139.8	141.3	142.9	144.4
105°	171.1	171.9	172.6	173.4	174.1	174.5	174.8	175.4	176.1	176.7	177.3
107.5°	208.0	208.4	208.8	209.1	209.5	209.7	210.1	211.0	211.9	212.8	213.7
110°	245.5	245.9	246.3	246.6	247.0	247.2	247.6	248.4	249.1	249.9	250.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	281.9	282.7	283.4	284.2	284.9	285.3	285.4	285.7	286.0	286.2	286.5
115°	319.4	319.8	320.2	320.5	320.9	321.1	321.0	320.9	320.8	320.7	320.6
117.5°	353.0	353.5	354.0	354.5	355.0	355.2	355.4	355.8	356.1	356.5	356.9
120°	387.1	387.6	388.1	388.6	389.1	389.3	389.2	389.1	389.0	388.9	388.8
122.5°	418.9	419.1	419.4	419.6	419.9	420.0	420.1	420.4	420.7	420.9	421.2
125°	449.0	449.5	450.0	450.5	451.0	451.3	451.2	450.9	450.6	450.4	450.1
127.5°	478.0	478.1	478.3	478.4	478.5	478.6	478.9	479.5	480.2	480.8	481.4
130°	505.8	505.9	506.1	506.2	506.3	506.4	506.6	507.0	507.3	507.7	508.1
132.5°	531.4	531.7	531.9	532.2	532.5	532.6	532.8	533.3	533.8	534.3	534.8
135°	557.0	556.9	556.7	556.6	556.5	556.4	556.7	557.2	557.7	558.2	558.7
137.5°	579.7	579.7	579.7	579.7	579.7	579.7	580.0	580.7	581.3	582.0	582.6
140°	601.9	602.1	602.4	602.6	602.9	603.0	603.1	603.4	603.7	603.9	604.2
142.5°	621.8	622.3	622.8	623.3	623.8	624.1	624.2	624.3	624.4	624.5	624.6
145°	642.3	642.7	643.1	643.4	643.8	644.0	644.0	644.0	644.0	644.0	644.0
147.5°	658.2	659.0	659.7	660.5	661.2	661.6	661.5	661.4	661.3	661.1	661.0
150°	675.8	676.3	676.8	677.3	677.8	678.1	678.0	677.9	677.8	677.6	677.5
152.5°	690.6	691.0	691.4	691.7	692.1	692.3	692.2	691.9	691.6	691.4	691.1
155°	704.2	704.3	704.5	704.6	704.7	704.8	704.6	704.2	703.9	703.5	703.1
157.5°	716.1	716.1	716.1	716.1	716.1	716.1	715.9	715.4	714.9	714.4	713.9
160°	726.4	726.0	725.6	725.3	724.9	724.7	724.6	724.5	724.4	724.2	724.1
162.5°	735.5	735.0	734.5	734.0	733.5	733.2	733.1	733.0	732.9	732.7	732.6
165°	742.9	742.3	741.6	741.0	740.3	740.0	740.0	740.0	740.0	740.0	740.0
167.5°	749.1	748.5	747.9	747.2	746.6	746.3	746.2	746.1	746.0	745.8	745.7
170°	754.2	753.4	752.7	751.9	751.2	750.8	750.9	751.0	751.1	751.3	751.4
172.5°	757.6	756.8	756.1	755.3	754.6	754.2	754.3	754.4	754.5	754.7	754.8
175°	759.9	759.1	758.4	757.6	756.9	756.5	756.6	756.7	756.8	757.0	757.1
177.5°	761.6	760.7	759.8	758.9	758.0	757.6	757.7	758.0	758.3	758.5	758.8
180°	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8
2.5°	2070.3	2087.8	2089.3	2105.3	2100.5	2092.5	2106.9	2097.3	2116.4	2110.0	2118.0
5°	2191.2	2215.1	2235.7	2248.5	2270.8	2266.0	2289.8	2281.9	2299.4	2281.9	2304.2
7.5°	2332.8	2372.6	2393.3	2426.7	2436.2	2437.8	2466.5	2472.8	2484.0	2472.8	2485.6
10°	2471.3	2519.0	2566.7	2593.8	2611.3	2635.2	2660.6	2671.8	2679.7	2668.6	2676.5
12.5°	2597.0	2671.8	2724.3	2778.4	2791.1	2811.8	2838.8	2835.7	2867.5	2861.1	2875.4
15°	2713.1	2795.9	2859.5	2902.5	2937.5	2955.0	3005.9	3009.1	3007.5	3023.4	3013.9
17.5°	2816.6	2886.6	2977.3	3033.0	3075.9	3075.9	3104.6	3163.5	3158.7	3157.1	3166.6
20°	2900.9	2980.5	3064.8	3158.7	3193.7	3200.1	3239.8	3270.1	3274.8	3274.8	3274.8
22.5°	2964.5	3058.4	3149.1	3216.0	3243.0	3265.3	3300.3	3319.4	3325.8	3322.6	3325.8
25°	2996.4	3085.5	3177.8	3238.2	3254.2	3266.9	3270.1	3281.2	3279.6	3260.5	3271.7
27.5°	3002.7	3088.7	3149.1	3165.1	3157.1	3149.1	3098.2	3103.0	3088.7	3060.0	3071.2
30°	2974.1	3020.2	3018.7	2969.3	2955.0	2921.6	2875.4	2807.0	2751.3	2727.4	2735.4
32.5°	2870.7	2870.7	2813.4	2702.0	2652.7	2592.2	2509.4	2447.4	2374.2	2358.3	2388.5
35°	2727.4	2646.3	2541.3	2394.9	2320.1	2275.5	2132.3	2087.8	2025.7	2008.2	2022.5
37.5°	2504.7	2369.4	2216.6	2079.8	2016.1	1936.6	1810.9	1747.2	1702.7	1672.4	1686.8
40°	2254.8	2090.9	1931.8	1763.1	1693.1	1627.9	1534.0	1476.7	1405.1	1408.3	1413.1
42.5°	2016.1	1823.6	1645.4	1489.4	1422.6	1368.5	1303.3	1233.2	1207.8	1199.8	1191.9
45°	1763.1	1557.9	1390.8	1274.6	1214.1	1163.2	1102.8	1063.0	1032.7	1026.4	1034.3
47.5°	1524.4	1351.0	1191.9	1083.7	1034.3	1008.9	961.1	924.5	905.4	889.5	899.1
50°	1308.0	1145.7	1018.4	927.7	892.7	875.2	830.6	811.6	792.5	787.7	786.1
52.5°	1129.8	991.4	881.6	808.4	781.3	771.8	738.4	711.3	695.4	700.2	703.3
55°	967.5	849.7	763.8	704.9	682.7	671.5	647.6	628.6	617.4	612.6	615.8
57.5°	824.3	722.4	660.4	612.6	595.1	590.4	564.9	558.5	550.6	545.8	545.8
60°	693.8	622.2	564.9	537.9	518.8	514.0	494.9	486.9	485.3	480.6	477.4
62.5°	584.0	525.1	485.3	456.7	448.7	447.1	434.4	424.9	420.1	416.9	416.9
65°	488.5	445.6	412.1	391.5	385.1	381.9	367.6	364.4	361.2	358.0	356.4
67.5°	407.4	369.2	345.3	331.0	323.0	324.6	316.7	310.3	310.3	308.7	307.1
70°	329.4	305.5	284.8	276.9	273.7	270.5	267.3	262.6	261.0	261.0	261.0
72.5°	259.4	243.5	232.3	227.6	224.4	221.2	218.0	218.0	218.0	216.4	216.4
75°	198.9	192.5	184.6	179.8	179.8	183.0	178.2	173.4	168.7	165.5	167.1
77.5°	149.6	146.4	141.6	133.7	135.3	132.1	132.1	128.9	130.5	130.5	127.3
80°	109.8	105.0	103.4	98.7	100.3	98.7	97.1	97.1	93.9	93.9	93.9
82.5°	76.4	71.6	71.6	70.0	68.4	68.4	66.8	66.8	68.4	65.2	65.2
85°	46.1	44.6	44.6	41.4	41.4	41.4	41.4	43.0	41.4	39.8	39.8
87.5°	20.7	22.3	20.7	19.1	19.1	19.1	17.5	17.5	15.9	17.5	17.5
90°	13.3	14.0	14.8	15.5	15.9	16.0	16.3	16.6	16.8	17.1	16.8
92.5°	12.7	13.4	14.2	14.9	15.3	15.3	15.3	15.3	15.3	15.3	15.3
95°	13.3	14.0	14.8	15.5	15.9	16.0	16.1	16.2	16.4	16.5	16.4
97.5°	13.1	13.7	14.4	15.0	15.3	15.4	15.5	15.6	15.8	15.9	15.8
100°	22.8	20.7	18.5	16.4	15.3	15.4	15.5	15.6	15.8	15.9	15.8
102.5°	116.0	87.6	59.1	30.7	16.5	16.5	16.5	16.5	16.5	16.5	16.5
105°	178.4	179.6	180.7	181.8	182.4	180.1	175.6	171.1	166.5	162.0	166.5
107.5°	214.3	214.9	215.6	216.2	216.5	216.8	217.3	217.8	218.3	218.8	218.3
110°	250.9	251.2	251.4	251.7	251.8	252.0	252.4	252.7	253.1	253.5	253.1

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	286.4	286.2	286.1	286.0	285.9	286.2	286.7	287.2	287.7	288.2	287.7
115°	320.8	321.1	321.3	321.6	321.7	321.7	321.7	321.7	321.7	321.7	321.7
117.5°	356.8	356.7	356.6	356.5	356.4	356.4	356.4	356.4	356.4	356.4	356.4
120°	389.0	389.3	389.5	389.8	389.9	389.8	389.5	389.3	389.0	388.8	389.0
122.5°	421.3	421.4	421.5	421.6	421.7	421.6	421.3	421.1	420.8	420.6	420.8
125°	450.5	450.9	451.3	451.7	451.9	452.0	452.1	452.2	452.3	452.4	452.3
127.5°	481.3	481.1	481.0	480.9	480.8	480.7	480.6	480.5	480.4	480.3	480.4
130°	508.2	508.4	508.5	508.6	508.7	508.7	508.7	508.7	508.7	508.7	508.7
132.5°	534.9	535.1	535.2	535.3	535.4	535.3	535.2	535.1	534.9	534.8	534.9
135°	558.9	559.2	559.4	559.7	559.8	559.9	560.2	560.5	560.7	561.0	560.7
137.5°	582.8	583.1	583.3	583.6	583.7	583.6	583.5	583.4	583.2	583.1	583.2
140°	604.6	605.0	605.3	605.7	605.9	606.0	606.1	606.2	606.4	606.5	606.4
142.5°	624.9	625.1	625.4	625.7	625.8	625.8	625.8	625.8	625.8	625.8	625.8
145°	644.1	644.2	644.3	644.4	644.5	644.6	644.9	645.2	645.4	645.7	645.4
147.5°	661.1	661.3	661.4	661.5	661.6	661.7	661.8	661.9	662.1	662.2	662.1
150°	677.5	677.5	677.5	677.5	677.5	677.6	677.7	677.8	678.0	678.1	678.0
152.5°	691.4	691.6	691.9	692.2	692.3	692.2	692.1	692.0	691.8	691.7	691.8
155°	703.6	704.1	704.6	705.1	705.3	705.1	704.7	704.4	704.0	703.6	704.0
157.5°	714.5	715.1	715.8	716.4	716.7	716.4	715.8	715.1	714.5	713.9	714.5
160°	724.9	725.6	726.4	727.1	727.5	727.1	726.4	725.6	724.9	724.1	724.9
162.5°	733.4	734.1	734.9	735.6	736.0	735.6	734.7	733.8	733.0	732.1	733.0
165°	741.0	742.0	743.1	744.1	744.6	744.0	742.9	741.7	740.6	739.4	740.6
167.5°	746.8	748.0	749.1	750.2	750.8	750.2	748.9	747.6	746.4	745.1	746.4
170°	752.4	753.4	754.4	755.4	755.9	755.3	754.0	752.7	751.5	750.2	751.5
172.5°	755.8	756.8	757.8	758.8	759.3	758.6	757.2	755.9	754.5	753.1	754.5
175°	758.2	759.4	760.5	761.6	762.2	761.4	759.9	758.4	756.9	755.4	756.9
177.5°	759.8	760.8	761.8	762.8	763.3	762.5	761.0	759.5	758.0	756.5	758.0
180°	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8
2.5°	2122.8	2111.6	2110.0	2110.0	2092.5	2102.1	2083.0	2062.3	2052.7	2052.7	2035.2
5°	2299.4	2288.3	2277.1	2259.6	2259.6	2250.1	2219.8	2189.6	2167.3	2148.2	2127.5
7.5°	2480.8	2469.7	2437.8	2420.3	2429.9	2410.8	2371.0	2320.1	2281.9	2251.7	2208.7
10°	2678.1	2647.9	2632.0	2622.4	2589.0	2568.3	2522.2	2447.4	2399.6	2359.9	2304.2
12.5°	2838.8	2848.4	2787.9	2792.7	2759.3	2730.6	2659.0	2587.4	2515.8	2460.1	2377.4
15°	3012.3	2983.6	2947.0	2918.4	2907.3	2872.3	2811.8	2716.3	2638.3	2550.8	2456.9
17.5°	3149.1	3126.9	3091.9	3064.8	3040.9	2956.6	2905.7	2821.3	2714.7	2628.8	2514.2
20°	3265.3	3244.6	3195.3	3177.8	3134.8	3074.3	3001.1	2870.7	2775.2	2681.3	2569.9
22.5°	3314.6	3293.9	3251.0	3228.7	3201.7	3142.8	3072.8	2948.6	2830.9	2713.1	2595.4
25°	3273.3	3273.3	3252.6	3244.6	3220.7	3168.2	3096.6	2991.6	2865.9	2738.6	2598.6
27.5°	3072.8	3112.5	3126.9	3134.8	3134.8	3136.4	3087.1	2985.2	2862.7	2738.6	2592.2
30°	2783.1	2850.0	2908.9	2926.4	2956.6	2990.0	3010.7	2961.4	2851.6	2721.1	2574.7
32.5°	2418.7	2504.7	2614.5	2641.5	2682.9	2783.1	2838.8	2859.5	2799.1	2684.5	2528.5
35°	2055.9	2164.1	2231.0	2313.7	2351.9	2499.9	2624.0	2698.8	2684.5	2616.1	2474.4
37.5°	1739.3	1801.3	1882.5	1970.0	2046.4	2188.0	2342.4	2487.2	2546.0	2512.6	2406.0
40°	1435.3	1508.5	1605.6	1677.2	1729.7	1871.3	2062.3	2219.8	2348.7	2369.4	2304.2
42.5°	1220.5	1293.7	1352.6	1430.6	1471.9	1608.8	1777.5	1974.8	2127.5	2208.7	2180.0
45°	1055.0	1099.6	1147.3	1191.9	1242.8	1363.7	1519.7	1736.1	1907.9	2022.5	2033.7
47.5°	910.2	950.0	991.4	1032.7	1061.4	1155.3	1298.5	1475.1	1662.9	1820.4	1882.5
50°	808.4	827.5	857.7	881.6	915.0	996.1	1110.7	1263.5	1462.4	1632.7	1713.8
52.5°	708.1	732.0	755.9	776.5	798.8	856.1	961.1	1093.2	1265.1	1440.1	1540.4
55°	623.8	642.9	665.2	679.5	692.2	743.1	822.7	924.5	1072.5	1238.0	1362.1
57.5°	555.4	563.3	582.4	590.4	604.7	646.1	703.3	794.0	913.4	1074.1	1176.0
60°	480.6	496.5	510.8	517.2	528.3	556.9	596.7	681.1	784.5	902.3	1018.4
62.5°	420.1	426.5	437.6	445.6	453.5	483.7	517.2	580.8	658.8	757.4	864.1
65°	364.4	367.6	374.0	385.1	389.9	412.1	431.2	477.4	550.6	625.4	732.0
67.5°	307.1	310.3	318.3	324.6	329.4	343.7	364.4	397.8	437.6	520.3	579.2
70°	262.6	262.6	267.3	270.5	275.3	281.7	292.8	318.3	354.9	407.4	461.5
72.5°	219.6	219.6	219.6	224.4	224.4	229.1	235.5	253.0	278.5	319.8	354.9
75°	170.3	171.9	175.0	175.0	176.6	183.0	187.8	192.5	205.3	232.3	264.2
77.5°	128.9	132.1	133.7	130.5	133.7	133.7	140.0	146.4	152.8	160.7	184.6
80°	95.5	97.1	93.9	95.5	95.5	98.7	101.8	100.3	103.4	113.0	119.3
82.5°	63.7	65.2	65.2	65.2	65.2	70.0	70.0	68.4	70.0	71.6	73.2
85°	39.8	38.2	38.2	39.8	38.2	38.2	39.8	41.4	39.8	41.4	43.0
87.5°	17.5	17.5	17.5	17.5	15.9	15.9	17.5	15.9	17.5	15.9	14.3
90°	16.6	16.3	16.0	15.9	15.5	14.8	14.0	13.3	12.5	11.5	10.5
92.5°	15.3	15.3	15.3	15.3	14.9	14.2	13.4	12.7	11.9	10.9	9.9
95°	16.2	16.1	16.0	15.9	15.5	14.8	14.0	13.3	12.5	12.4	12.2
97.5°	15.6	15.5	15.4	15.3	15.0	14.4	13.7	13.1	12.5	25.8	39.0
100°	15.6	15.5	15.4	15.3	16.4	18.5	20.7	22.8	25.0	42.4	59.8
102.5°	16.5	16.5	16.5	16.5	30.7	59.1	87.6	116.0	144.4	142.9	141.3
105°	171.1	175.6	180.1	182.4	181.8	180.7	179.6	178.4	177.3	176.7	176.1
107.5°	217.8	217.3	216.8	216.5	216.2	215.6	214.9	214.3	213.7	212.8	211.9
110°	252.7	252.4	252.0	251.8	251.7	251.4	251.2	250.9	250.7	249.9	249.1

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	287.2	286.7	286.2	285.9	286.0	286.1	286.2	286.4	286.5	286.2	286.0
115°	321.7	321.7	321.7	321.7	321.6	321.3	321.1	320.8	320.6	320.7	320.8
117.5°	356.4	356.4	356.4	356.4	356.5	356.6	356.7	356.8	356.9	356.5	356.1
120°	389.3	389.5	389.8	389.9	389.8	389.5	389.3	389.0	388.8	388.9	389.0
122.5°	421.1	421.3	421.6	421.7	421.6	421.5	421.4	421.3	421.2	420.9	420.7
125°	452.2	452.1	452.0	451.9	451.7	451.3	450.9	450.5	450.1	450.4	450.6
127.5°	480.5	480.6	480.7	480.8	480.9	481.0	481.1	481.3	481.4	480.8	480.2
130°	508.7	508.7	508.7	508.7	508.6	508.5	508.4	508.2	508.1	507.7	507.3
132.5°	535.1	535.2	535.3	535.4	535.3	535.2	535.1	534.9	534.8	534.3	533.8
135°	560.5	560.2	559.9	559.8	559.7	559.4	559.2	558.9	558.7	558.2	557.7
137.5°	583.4	583.5	583.6	583.7	583.6	583.3	583.1	582.8	582.6	582.0	581.3
140°	606.2	606.1	606.0	605.9	605.7	605.3	605.0	604.6	604.2	603.9	603.7
142.5°	625.8	625.8	625.8	625.8	625.7	625.4	625.1	624.9	624.6	624.5	624.4
145°	645.2	644.9	644.6	644.5	644.4	644.3	644.2	644.1	644.0	644.0	644.0
147.5°	661.9	661.8	661.7	661.6	661.5	661.4	661.3	661.1	661.0	661.1	661.3
150°	677.8	677.7	677.6	677.5	677.5	677.5	677.5	677.5	677.5	677.6	677.8
152.5°	692.0	692.1	692.2	692.3	692.2	691.9	691.6	691.4	691.1	691.4	691.6
155°	704.4	704.7	705.1	705.3	705.1	704.6	704.1	703.6	703.1	703.5	703.9
157.5°	715.1	715.8	716.4	716.7	716.4	715.8	715.1	714.5	713.9	714.4	714.9
160°	725.6	726.4	727.1	727.5	727.1	726.4	725.6	724.9	724.1	724.2	724.4
162.5°	733.8	734.7	735.6	736.0	735.6	734.9	734.1	733.4	732.6	732.7	732.9
165°	741.7	742.9	744.0	744.6	744.1	743.1	742.0	741.0	740.0	740.0	740.0
167.5°	747.6	748.9	750.2	750.8	750.2	749.1	748.0	746.8	745.7	745.8	746.0
170°	752.7	754.0	755.3	755.9	755.4	754.4	753.4	752.4	751.4	751.3	751.1
172.5°	755.9	757.2	758.6	759.3	758.8	757.8	756.8	755.8	754.8	754.7	754.5
175°	758.4	759.9	761.4	762.2	761.6	760.5	759.4	758.2	757.1	757.0	756.8
177.5°	759.5	761.0	762.5	763.3	762.8	761.8	760.8	759.8	758.8	758.5	758.3
180°	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8
2.5°	2025.7	2017.7	2013.0	2011.4	1997.1	1989.1	1984.3	1981.1	1976.4	1963.6	1952.5
5°	2102.1	2079.8	2068.7	2055.9	2033.7	2008.2	1987.5	1974.8	1958.9	1933.4	1909.5
7.5°	2173.7	2140.3	2118.0	2100.5	2062.3	2020.9	1987.5	1960.5	1930.2	1895.2	1861.8
10°	2248.5	2194.4	2165.7	2138.7	2083.0	2028.9	1981.1	1941.4	1898.4	1852.2	1815.6
12.5°	2307.4	2235.7	2203.9	2165.7	2097.3	2033.7	1973.2	1919.1	1863.4	1814.1	1761.5
15°	2375.8	2286.7	2250.1	2200.7	2106.9	2024.1	1946.1	1887.3	1830.0	1756.8	1701.1
17.5°	2415.6	2312.1	2259.6	2216.6	2114.8	2014.6	1923.9	1850.7	1783.8	1710.6	1651.7
20°	2455.3	2337.6	2278.7	2218.2	2097.3	1990.7	1895.2	1807.7	1737.7	1658.1	1597.6
22.5°	2468.1	2331.2	2269.2	2213.5	2086.2	1966.8	1857.0	1767.9	1686.8	1607.2	1538.8
25°	2468.1	2329.6	2256.4	2184.8	2051.2	1928.6	1818.8	1721.8	1631.1	1551.5	1483.1
27.5°	2442.6	2297.8	2221.4	2156.2	2017.7	1885.7	1772.7	1666.1	1578.5	1499.0	1421.0
30°	2410.8	2251.7	2175.3	2097.3	1963.6	1837.9	1715.4	1616.7	1524.4	1433.7	1363.7
32.5°	2371.0	2202.3	2118.0	2038.4	1896.8	1766.3	1653.3	1556.3	1468.7	1374.9	1296.9
35°	2313.7	2129.1	2035.2	1965.2	1828.4	1693.1	1584.9	1489.4	1405.1	1308.0	1223.7
37.5°	2240.5	2062.3	1966.8	1880.9	1739.3	1615.1	1513.3	1421.0	1338.3	1249.2	1155.3
40°	2154.6	1968.4	1885.7	1795.0	1645.4	1527.6	1432.1	1349.4	1266.7	1182.3	1091.6
42.5°	2057.5	1872.9	1780.6	1693.1	1549.9	1433.7	1344.6	1269.8	1193.5	1115.5	1018.4
45°	1941.4	1767.9	1678.8	1596.1	1457.6	1338.3	1257.1	1185.5	1120.3	1040.7	954.8
47.5°	1810.9	1659.7	1569.0	1479.9	1344.6	1241.2	1161.6	1101.2	1045.5	965.9	887.9
50°	1683.6	1534.0	1460.8	1370.1	1246.0	1148.9	1067.7	1016.8	973.9	895.9	825.9
52.5°	1522.9	1409.9	1339.9	1261.9	1142.5	1043.9	980.2	935.7	884.8	824.3	762.2
55°	1381.2	1276.2	1220.5	1147.3	1029.6	942.0	887.9	846.6	806.8	752.7	703.3
57.5°	1220.5	1155.3	1099.6	1035.9	919.8	845.0	797.2	762.2	725.6	681.1	641.3
60°	1051.8	1021.6	967.5	916.6	817.9	752.7	712.9	681.1	646.1	609.5	576.0
62.5°	902.3	884.8	852.9	813.1	720.8	665.2	625.4	601.5	576.0	542.6	510.8
65°	760.6	752.7	722.4	693.8	630.1	580.8	545.8	531.5	502.8	477.4	448.7
67.5°	634.9	625.4	607.9	595.1	541.0	494.9	477.4	458.3	434.4	415.3	391.5
70°	507.6	506.0	494.9	479.0	450.3	416.9	399.4	386.7	362.8	348.5	331.0
72.5°	394.6	402.6	393.0	386.7	367.6	343.7	327.8	319.8	300.8	289.6	276.9
75°	294.4	300.8	305.5	294.4	289.6	278.5	264.2	256.2	246.6	230.7	226.0
77.5°	200.5	214.8	214.8	218.0	219.6	213.2	202.1	195.7	184.6	181.4	175.0
80°	132.1	144.8	146.4	149.6	154.4	154.4	146.4	144.8	133.7	132.1	127.3
82.5°	76.4	87.5	93.9	98.7	97.1	103.4	97.1	95.5	89.1	89.1	85.9
85°	41.4	43.0	46.1	49.3	52.5	55.7	55.7	54.1	52.5	50.9	47.7
87.5°	15.9	15.9	17.5	15.9	17.5	20.7	22.3	22.3	20.7	19.1	15.9
90°	9.5	8.5	8.0	7.3	5.9	4.5	3.1	1.7	3.1	4.5	5.9
92.5°	8.9	7.9	7.4	7.5	7.8	8.0	8.3	8.5	8.3	8.0	7.8
95°	12.1	12.0	11.9	14.1	18.4	22.7	27.0	31.3	27.0	22.7	18.4
97.5°	52.3	65.6	72.2	70.8	68.0	65.3	62.5	59.7	62.5	65.3	68.0
100°	77.3	94.7	103.4	102.3	100.0	97.7	95.5	93.2	95.5	97.7	100.0
102.5°	139.8	138.3	137.5	136.7	135.2	133.7	132.2	130.7	132.2	133.7	135.2
105°	175.4	174.8	174.5	174.1	173.4	172.6	171.9	171.1	171.9	172.6	173.4
107.5°	211.0	210.1	209.7	209.5	209.1	208.8	208.4	208.0	208.4	208.8	209.1
110°	248.4	247.6	247.2	247.0	246.6	246.3	245.9	245.5	245.9	246.3	246.6

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	285.7	285.4	285.3	284.9	284.2	283.4	282.7	281.9	282.7	283.4	284.2
115°	320.9	321.0	321.1	320.9	320.5	320.2	319.8	319.4	319.8	320.2	320.5
117.5°	355.8	355.4	355.2	355.0	354.5	354.0	353.5	353.0	353.5	354.0	354.5
120°	389.1	389.2	389.3	389.1	388.6	388.1	387.6	387.1	387.6	388.1	388.6
122.5°	420.4	420.1	420.0	419.9	419.6	419.4	419.1	418.9	419.1	419.4	419.6
125°	450.9	451.2	451.3	451.0	450.5	450.0	449.5	449.0	449.5	450.0	450.5
127.5°	479.5	478.9	478.6	478.5	478.4	478.3	478.1	478.0	478.1	478.3	478.4
130°	507.0	506.6	506.4	506.3	506.2	506.1	505.9	505.8	505.9	506.1	506.2
132.5°	533.3	532.8	532.6	532.5	532.2	531.9	531.7	531.4	531.7	531.9	532.2
135°	557.2	556.7	556.4	556.5	556.6	556.7	556.9	557.0	556.9	556.7	556.6
137.5°	580.7	580.0	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7
140°	603.4	603.1	603.0	602.9	602.6	602.4	602.1	601.9	602.1	602.4	602.6
142.5°	624.3	624.2	624.1	623.8	623.3	622.8	622.3	621.8	622.3	622.8	623.3
145°	644.0	644.0	644.0	643.8	643.4	643.1	642.7	642.3	642.7	643.1	643.4
147.5°	661.4	661.5	661.6	661.2	660.5	659.7	659.0	658.2	659.0	659.7	660.5
150°	677.9	678.0	678.1	677.8	677.3	676.8	676.3	675.8	676.3	676.8	677.3
152.5°	691.9	692.2	692.3	692.1	691.7	691.4	691.0	690.6	691.0	691.4	691.7
155°	704.2	704.6	704.8	704.7	704.6	704.5	704.3	704.2	704.3	704.5	704.6
157.5°	715.4	715.9	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1
160°	724.5	724.6	724.7	724.9	725.3	725.6	726.0	726.4	726.0	725.6	725.3
162.5°	733.0	733.1	733.2	733.5	734.0	734.5	735.0	735.5	735.0	734.5	734.0
165°	740.0	740.0	740.0	740.3	741.0	741.6	742.3	742.9	742.3	741.6	741.0
167.5°	746.1	746.2	746.3	746.6	747.2	747.9	748.5	749.1	748.5	747.9	747.2
170°	751.0	750.9	750.8	751.2	751.9	752.7	753.4	754.2	753.4	752.7	751.9
172.5°	754.4	754.3	754.2	754.6	755.3	756.1	756.8	757.6	756.8	756.1	755.3
175°	756.7	756.6	756.5	756.9	757.6	758.4	759.1	759.9	759.1	758.4	757.6
177.5°	758.0	757.7	757.6	758.0	758.9	759.8	760.7	761.6	760.7	759.8	758.9
180°	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8
2.5°	1942.9	1939.8	1936.6	1923.9	1912.7	1893.6	1877.7	1871.3	1869.8	1871.3	1866.6
5°	1887.3	1885.7	1874.5	1852.2	1831.6	1809.3	1793.4	1777.5	1767.9	1767.9	1756.8
7.5°	1834.7	1823.6	1814.1	1785.4	1761.5	1731.3	1707.4	1693.1	1685.2	1667.7	1667.7
10°	1779.0	1763.1	1750.4	1723.4	1688.3	1658.1	1627.9	1610.4	1596.1	1583.3	1578.5
12.5°	1723.4	1710.6	1686.8	1658.1	1623.1	1584.9	1553.1	1540.4	1506.9	1479.9	1481.5
15°	1670.8	1642.2	1631.1	1589.7	1548.3	1511.7	1465.6	1429.0	1401.9	1384.4	1362.1
17.5°	1612.0	1583.3	1562.6	1527.6	1473.5	1416.2	1371.7	1322.4	1295.3	1265.1	1250.7
20°	1546.7	1522.9	1506.9	1451.2	1386.0	1317.6	1268.2	1238.0	1207.8	1185.5	1172.8
22.5°	1491.0	1460.8	1441.7	1366.9	1295.3	1226.9	1188.7	1163.2	1137.8	1118.7	1112.3
25°	1419.4	1401.9	1355.8	1290.5	1203.0	1156.9	1123.4	1090.0	1075.7	1063.0	1048.7
27.5°	1360.5	1317.6	1285.8	1199.8	1145.7	1093.2	1059.8	1034.3	1016.8	1004.1	993.0
30°	1287.3	1247.6	1203.0	1131.4	1082.1	1032.7	1002.5	981.8	962.7	954.8	945.2
32.5°	1211.0	1174.4	1131.4	1074.1	1013.6	975.5	951.6	929.3	916.6	908.6	897.5
35°	1142.5	1096.4	1067.7	1013.6	964.3	921.3	899.1	880.0	865.7	862.5	860.9
37.5°	1069.3	1034.3	1007.3	951.6	910.2	873.6	852.9	832.2	824.3	822.7	816.3
40°	1005.7	975.5	950.0	897.5	852.9	819.5	803.6	790.9	782.9	782.9	781.3
42.5°	950.0	918.2	892.7	845.0	805.2	775.0	757.4	744.7	741.5	743.1	741.5
45°	887.9	860.9	835.4	786.1	752.7	730.4	711.3	704.9	700.2	701.8	703.3
47.5°	829.1	806.8	781.3	741.5	703.3	679.5	668.3	662.0	662.0	662.0	665.2
50°	776.5	751.1	728.8	687.4	652.4	633.3	623.8	615.8	617.4	619.0	620.6
52.5°	714.5	692.2	676.3	634.9	609.5	585.6	574.5	576.0	574.5	574.5	577.6
55°	660.4	638.1	622.2	584.0	558.5	542.6	533.1	528.3	529.9	526.7	533.1
57.5°	599.9	580.8	569.7	533.1	510.8	496.5	488.5	480.6	483.7	482.2	480.6
60°	547.4	525.1	507.6	482.2	463.1	445.6	440.8	432.8	436.0	432.8	431.2
62.5°	486.9	469.4	456.7	431.2	415.3	401.0	389.9	385.1	383.5	378.7	374.0
65°	426.5	416.9	404.2	378.7	362.8	351.7	345.3	340.5	338.9	326.2	311.9
67.5°	370.8	364.4	351.7	332.6	318.3	307.1	297.6	289.6	280.1	270.5	262.6
70°	318.3	308.7	300.8	283.2	270.5	259.4	249.8	240.3	235.5	226.0	222.8
72.5°	267.3	257.8	249.8	233.9	222.8	211.6	208.5	197.3	192.5	191.0	191.0
75°	214.8	206.9	202.1	187.8	178.2	170.3	165.5	162.3	159.1	155.9	151.2
77.5°	163.9	159.1	155.9	146.4	138.4	133.7	132.1	120.9	117.8	114.6	111.4
80°	119.3	117.8	114.6	106.6	103.4	92.3	92.3	89.1	87.5	87.5	87.5
82.5°	81.2	78.0	76.4	68.4	66.8	65.2	63.7	62.1	63.7	62.1	63.7
85°	43.0	41.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	38.2	39.8
87.5°	15.9	15.9	15.9	15.9	14.3	15.9	15.9	14.3	15.9	15.9	15.9
90°	7.3	8.0	8.5	9.5	10.5	11.5	12.5	13.3	14.0	14.8	15.5
92.5°	7.5	7.4	7.9	8.9	9.9	10.9	11.9	12.7	13.4	14.2	14.9
95°	14.1	11.9	12.0	12.1	12.2	12.4	12.5	13.3	14.0	14.8	15.5
97.5°	70.8	72.2	65.6	52.3	39.0	25.8	12.5	13.1	13.7	14.4	15.0
100°	102.3	103.4	94.7	77.3	59.8	42.4	25.0	22.8	20.7	18.5	16.4
102.5°	136.7	137.5	138.3	139.8	141.3	142.9	144.4	116.0	87.6	59.1	30.7
105°	174.1	174.5	174.8	175.4	176.1	176.7	177.3	178.4	179.6	180.7	181.8
107.5°	209.5	209.7	210.1	211.0	211.9	212.8	213.7	214.3	214.9	215.6	216.2
110°	247.0	247.2	247.6	248.4	249.1	249.9	250.7	250.9	251.2	251.4	251.7

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	284.9	285.3	285.4	285.7	286.0	286.2	286.5	286.4	286.2	286.1	286.0
115°	320.9	321.1	321.0	320.9	320.8	320.7	320.6	320.8	321.1	321.3	321.6
117.5°	355.0	355.2	355.4	355.8	356.1	356.5	356.9	356.8	356.7	356.6	356.5
120°	389.1	389.3	389.2	389.1	389.0	388.9	388.8	389.0	389.3	389.5	389.8
122.5°	419.9	420.0	420.1	420.4	420.7	420.9	421.2	421.3	421.4	421.5	421.6
125°	451.0	451.3	451.2	450.9	450.6	450.4	450.1	450.5	450.9	451.3	451.7
127.5°	478.5	478.6	478.9	479.5	480.2	480.8	481.4	481.3	481.1	481.0	480.9
130°	506.3	506.4	506.6	507.0	507.3	507.7	508.1	508.2	508.4	508.5	508.6
132.5°	532.5	532.6	532.8	533.3	533.8	534.3	534.8	534.9	535.1	535.2	535.3
135°	556.5	556.4	556.7	557.2	557.7	558.2	558.7	558.9	559.2	559.4	559.7
137.5°	579.7	579.7	580.0	580.7	581.3	582.0	582.6	582.8	583.1	583.3	583.6
140°	602.9	603.0	603.1	603.4	603.7	603.9	604.2	604.6	605.0	605.3	605.7
142.5°	623.8	624.1	624.2	624.3	624.4	624.5	624.6	624.9	625.1	625.4	625.7
145°	643.8	644.0	644.0	644.0	644.0	644.0	644.0	644.1	644.2	644.3	644.4
147.5°	661.2	661.6	661.5	661.4	661.3	661.1	661.0	661.1	661.3	661.4	661.5
150°	677.8	678.1	678.0	677.9	677.8	677.6	677.5	677.5	677.5	677.5	677.5
152.5°	692.1	692.3	692.2	691.9	691.6	691.4	691.1	691.4	691.6	691.9	692.2
155°	704.7	704.8	704.6	704.2	703.9	703.5	703.1	703.6	704.1	704.6	705.1
157.5°	716.1	716.1	715.9	715.4	714.9	714.4	713.9	714.5	715.1	715.8	716.4
160°	724.9	724.7	724.6	724.5	724.4	724.2	724.1	724.9	725.6	726.4	727.1
162.5°	733.5	733.2	733.1	733.0	732.9	732.7	732.6	733.4	734.1	734.9	735.6
165°	740.3	740.0	740.0	740.0	740.0	740.0	740.0	741.0	742.0	743.1	744.1
167.5°	746.6	746.3	746.2	746.1	746.0	745.8	745.7	746.8	748.0	749.1	750.2
170°	751.2	750.8	750.9	751.0	751.1	751.3	751.4	752.4	753.4	754.4	755.4
172.5°	754.6	754.2	754.3	754.4	754.5	754.7	754.8	755.8	756.8	757.8	758.8
175°	756.9	756.5	756.6	756.7	756.8	757.0	757.1	758.2	759.4	760.5	761.6
177.5°	758.0	757.6	757.7	758.0	758.3	758.5	758.8	759.8	760.8	761.8	762.8
180°	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8
2.5°	1866.6	1872.9	1865.0	1869.8	1858.6	1857.0	1858.6	1858.6	1860.2	1861.8	1863.4
5°	1761.5	1760.0	1750.4	1744.0	1739.3	1744.0	1747.2	1750.4	1747.2	1750.4	1752.0
7.5°	1662.9	1658.1	1653.3	1642.2	1645.4	1642.2	1651.7	1647.0	1647.0	1654.9	1661.3
10°	1575.4	1565.8	1562.6	1549.9	1540.4	1538.8	1549.9	1554.7	1559.5	1562.6	1575.4
12.5°	1462.4	1448.1	1436.9	1441.7	1414.6	1425.8	1429.0	1422.6	1441.7	1464.0	1451.2
15°	1341.4	1343.0	1320.8	1312.8	1290.5	1296.9	1298.5	1314.4	1330.3	1328.7	1347.8
17.5°	1252.3	1242.8	1223.7	1222.1	1212.6	1217.3	1215.7	1228.5	1223.7	1231.6	1247.6
20°	1169.6	1163.2	1147.3	1140.9	1144.1	1140.9	1142.5	1144.1	1148.9	1166.4	1163.2
22.5°	1104.3	1096.4	1096.4	1088.4	1078.9	1075.7	1083.7	1088.4	1094.8	1098.0	1105.9
25°	1047.1	1040.7	1032.7	1028.0	1020.0	1021.6	1026.4	1032.7	1037.5	1043.9	1050.2
27.5°	988.2	988.2	980.2	978.6	975.5	973.9	980.2	983.4	983.4	988.2	994.5
30°	942.0	942.0	934.1	932.5	930.9	930.9	935.7	937.3	938.9	943.6	946.8
32.5°	897.5	895.9	892.7	894.3	892.7	894.3	894.3	895.9	899.1	900.7	907.0
35°	856.1	857.7	854.5	854.5	852.9	854.5	857.7	859.3	860.9	864.1	864.1
37.5°	816.3	819.5	817.9	822.7	822.7	822.7	822.7	825.9	825.9	825.9	824.3
40°	781.3	781.3	779.7	782.9	786.1	786.1	787.7	787.7	789.3	789.3	787.7
42.5°	741.5	744.7	749.5	751.1	754.3	752.7	757.4	755.9	757.4	754.3	751.1
45°	704.9	704.9	711.3	717.7	719.3	719.3	719.3	722.4	719.3	714.5	712.9
47.5°	665.2	668.3	671.5	679.5	681.1	681.1	681.1	681.1	677.9	677.9	677.9
50°	625.4	627.0	628.6	631.7	636.5	634.9	634.9	634.9	641.3	634.9	636.5
52.5°	577.6	579.2	580.8	587.2	585.6	585.6	587.2	587.2	592.0	590.4	587.2
55°	529.9	529.9	533.1	533.1	533.1	536.3	537.9	541.0	539.4	541.0	542.6
57.5°	482.2	479.0	477.4	477.4	482.2	480.6	482.2	482.2	488.5	491.7	493.3
60°	426.5	426.5	424.9	415.3	415.3	413.7	418.5	421.7	424.9	439.2	437.6
62.5°	369.2	362.8	356.4	358.0	348.5	353.3	350.1	353.3	362.8	374.0	375.5
65°	311.9	307.1	300.8	299.2	296.0	300.8	299.2	300.8	305.5	311.9	319.8
67.5°	261.0	259.4	256.2	254.6	254.6	254.6	257.8	257.8	259.4	264.2	268.9
70°	222.8	221.2	222.8	219.6	221.2	219.6	221.2	222.8	224.4	226.0	230.7
72.5°	187.8	187.8	187.8	184.6	187.8	186.2	186.2	187.8	189.4	191.0	194.1
75°	149.6	146.4	143.2	140.0	138.4	141.6	143.2	141.6	146.4	152.8	152.8
77.5°	113.0	111.4	111.4	111.4	113.0	111.4	114.6	113.0	114.6	114.6	117.8
80°	87.5	85.9	87.5	87.5	85.9	89.1	87.5	87.5	89.1	90.7	89.1
82.5°	63.7	65.2	63.7	63.7	63.7	66.8	63.7	63.7	63.7	65.2	65.2
85°	39.8	39.8	39.8	39.8	41.4	39.8	41.4	39.8	43.0	41.4	41.4
87.5°	14.3	15.9	17.5	17.5	17.5	17.5	15.9	17.5	19.1	17.5	19.1
90°	15.9	16.0	16.3	16.6	16.8	17.1	16.8	16.6	16.3	16.0	15.9
92.5°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
95°	15.9	16.0	16.1	16.2	16.4	16.5	16.4	16.2	16.1	16.0	15.9
97.5°	15.3	15.4	15.5	15.6	15.8	15.9	15.8	15.6	15.5	15.4	15.3
100°	15.3	15.4	15.5	15.6	15.8	15.9	15.8	15.6	15.5	15.4	15.3
102.5°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
105°	182.4	180.1	175.6	171.1	166.5	162.0	166.5	171.1	175.6	180.1	182.4
107.5°	216.5	216.8	217.3	217.8	218.3	218.8	218.3	217.8	217.3	216.8	216.5
110°	251.8	252.0	252.4	252.7	253.1	253.5	253.1	252.7	252.4	252.0	251.8

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	285.9	286.2	286.7	287.2	287.7	288.2	287.7	287.2	286.7	286.2	285.9
115°	321.7	321.7	321.7	321.7	321.7	321.7	321.7	321.7	321.7	321.7	321.7
117.5°	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4
120°	389.9	389.8	389.5	389.3	389.0	388.8	389.0	389.3	389.5	389.8	389.9
122.5°	421.7	421.6	421.3	421.1	420.8	420.6	420.8	421.1	421.3	421.6	421.7
125°	451.9	452.0	452.1	452.2	452.3	452.4	452.3	452.2	452.1	452.0	451.9
127.5°	480.8	480.7	480.6	480.5	480.4	480.3	480.4	480.5	480.6	480.7	480.8
130°	508.7	508.7	508.7	508.7	508.7	508.7	508.7	508.7	508.7	508.7	508.7
132.5°	535.4	535.3	535.2	535.1	534.9	534.8	534.9	535.1	535.2	535.3	535.4
135°	559.8	559.9	560.2	560.5	560.7	561.0	560.7	560.5	560.2	559.9	559.8
137.5°	583.7	583.6	583.5	583.4	583.2	583.1	583.2	583.4	583.5	583.6	583.7
140°	605.9	606.0	606.1	606.2	606.4	606.5	606.4	606.2	606.1	606.0	605.9
142.5°	625.8	625.8	625.8	625.8	625.8	625.8	625.8	625.8	625.8	625.8	625.8
145°	644.5	644.6	644.9	645.2	645.4	645.7	645.4	645.2	644.9	644.6	644.5
147.5°	661.6	661.7	661.8	661.9	662.1	662.2	662.1	661.9	661.8	661.7	661.6
150°	677.5	677.6	677.7	677.8	678.0	678.1	678.0	677.8	677.7	677.6	677.5
152.5°	692.3	692.2	692.1	692.0	691.8	691.7	691.8	692.0	692.1	692.2	692.3
155°	705.3	705.1	704.7	704.4	704.0	703.6	704.0	704.4	704.7	705.1	705.3
157.5°	716.7	716.4	715.8	715.1	714.5	713.9	714.5	715.1	715.8	716.4	716.7
160°	727.5	727.1	726.4	725.6	724.9	724.1	724.9	725.6	726.4	727.1	727.5
162.5°	736.0	735.6	734.7	733.8	733.0	732.1	733.0	733.8	734.7	735.6	736.0
165°	744.6	744.0	742.9	741.7	740.6	739.4	740.6	741.7	742.9	744.0	744.6
167.5°	750.8	750.2	748.9	747.6	746.4	745.1	746.4	747.6	748.9	750.2	750.8
170°	755.9	755.3	754.0	752.7	751.5	750.2	751.5	752.7	754.0	755.3	755.9
172.5°	759.3	758.6	757.2	755.9	754.5	753.1	754.5	755.9	757.2	758.6	759.3
175°	762.2	761.4	759.9	758.4	756.9	755.4	756.9	758.4	759.9	761.4	762.2
177.5°	763.3	762.5	761.0	759.5	758.0	756.5	758.0	759.5	761.0	762.5	763.3
180°	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8	1974.8
2.5°	1869.8	1877.7	1874.5	1863.4	1868.2	1877.7	1887.3	1900.0	1907.9	1914.3	1917.5
5°	1760.0	1774.3	1771.1	1771.1	1777.5	1793.4	1809.3	1836.3	1845.9	1857.0	1872.9
7.5°	1662.9	1674.0	1683.6	1686.8	1696.3	1717.0	1737.7	1767.9	1791.8	1804.5	1814.1
10°	1577.0	1584.9	1599.2	1607.2	1616.7	1642.2	1672.4	1704.3	1728.1	1750.4	1763.1
12.5°	1467.2	1499.0	1518.1	1530.8	1543.5	1581.7	1605.6	1640.6	1669.2	1689.9	1709.0
15°	1344.6	1382.8	1394.0	1443.3	1475.1	1505.3	1541.9	1583.3	1610.4	1634.2	1659.7
17.5°	1241.2	1268.2	1281.0	1333.5	1360.5	1408.3	1460.8	1513.3	1554.7	1572.2	1597.6
20°	1176.0	1190.3	1215.7	1233.2	1261.9	1317.6	1374.9	1438.5	1500.6	1518.1	1543.5
22.5°	1109.1	1128.2	1145.7	1169.6	1191.9	1230.1	1287.3	1357.4	1424.2	1456.0	1486.3
25°	1048.7	1067.7	1078.9	1104.3	1125.0	1163.2	1203.0	1274.6	1354.2	1381.2	1429.0
27.5°	1000.9	1012.1	1031.1	1042.3	1066.2	1101.2	1137.8	1191.9	1269.8	1316.0	1362.1
30°	953.2	961.1	977.0	993.0	1010.5	1034.3	1075.7	1128.2	1199.8	1239.6	1285.8
32.5°	905.4	918.2	927.7	938.9	957.9	986.6	1015.2	1066.2	1123.4	1168.0	1214.1
35°	865.7	870.4	883.2	895.9	908.6	934.1	964.3	1013.6	1064.6	1099.6	1140.9
37.5°	822.7	830.6	840.2	845.0	865.7	881.6	913.4	951.6	1012.1	1034.3	1075.7
40°	789.3	787.7	797.2	805.2	814.7	840.2	859.3	900.7	948.4	983.4	1008.9
42.5°	747.9	747.9	751.1	760.6	773.4	789.3	811.6	846.6	895.9	921.3	951.6
45°	714.5	709.7	711.3	717.7	725.6	741.5	763.8	794.0	843.4	864.1	895.9
47.5°	674.7	669.9	669.9	676.3	682.7	693.8	711.3	746.3	786.1	813.1	837.0
50°	630.1	631.7	630.1	634.9	638.1	649.2	668.3	697.0	733.6	755.9	782.9
52.5°	588.8	585.6	584.0	587.2	593.5	601.5	622.2	647.6	682.7	704.9	728.8
55°	537.9	541.0	541.0	541.0	550.6	553.8	569.7	595.1	630.1	647.6	669.9
57.5°	491.7	490.1	493.3	491.7	499.7	510.8	523.5	542.6	577.6	595.1	615.8
60°	440.8	442.4	444.0	444.0	450.3	461.5	475.8	493.3	521.9	539.4	558.5
62.5°	378.7	386.7	394.6	397.8	407.4	415.3	424.9	444.0	469.4	482.2	499.7
65°	319.8	331.0	342.1	350.1	356.4	364.4	377.1	394.6	415.3	428.1	445.6
67.5°	268.9	276.9	291.2	299.2	311.9	321.4	329.4	343.7	369.2	374.0	388.3
70°	232.3	235.5	241.9	248.2	262.6	270.5	280.1	294.4	313.5	324.6	332.6
72.5°	195.7	197.3	200.5	206.9	213.2	222.8	233.9	246.6	264.2	268.9	280.1
75°	155.9	165.5	165.5	170.3	175.0	179.8	189.4	202.1	213.2	221.2	227.6
77.5°	116.2	120.9	124.1	132.1	138.4	143.2	149.6	159.1	165.5	171.9	176.6
80°	90.7	92.3	93.9	93.9	97.1	103.4	109.8	116.2	124.1	127.3	132.1
82.5°	66.8	66.8	66.8	70.0	71.6	73.2	73.2	76.4	84.3	87.5	92.3
85°	43.0	43.0	43.0	43.0	44.6	46.1	47.7	49.3	49.3	49.3	52.5
87.5°	17.5	20.7	19.1	20.7	20.7	20.7	20.7	22.3	22.3	23.9	23.9
90°	15.5	14.8	14.0	13.3	12.5	11.5	10.5	9.5	8.5	8.0	7.3
92.5°	14.9	14.2	13.4	12.7	11.9	10.9	9.9	8.9	7.9	7.4	7.5
95°	15.5	14.8	14.0	13.3	12.5	12.4	12.2	12.1	12.0	11.9	14.1
97.5°	15.0	14.4	13.7	13.1	12.5	25.8	39.0	52.3	65.6	72.2	70.8
100°	16.4	18.5	20.7	22.8	25.0	42.4	59.8	77.3	94.7	103.4	102.3
102.5°	30.7	59.1	87.6	116.0	144.4	142.9	141.3	139.8	138.3	137.5	136.7
105°	181.8	180.7	179.6	178.4	177.3	176.7	176.1	175.4	174.8	174.5	174.1
107.5°	216.2	215.6	214.9	214.3	213.7	212.8	211.9	211.0	210.1	209.7	209.5
110°	251.7	251.4	251.2	250.9	250.7	249.9	249.1	248.4	247.6	247.2	247.0

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	286.0	286.1	286.2	286.4	286.5	286.2	286.0	285.7	285.4	285.3	284.9
115°	321.6	321.3	321.1	320.8	320.6	320.7	320.8	320.9	321.0	321.1	320.9
117.5°	356.5	356.6	356.7	356.8	356.9	356.5	356.1	355.8	355.4	355.2	355.0
120°	389.8	389.5	389.3	389.0	388.8	388.9	389.0	389.1	389.2	389.3	389.1
122.5°	421.6	421.5	421.4	421.3	421.2	420.9	420.7	420.4	420.1	420.0	419.9
125°	451.7	451.3	450.9	450.5	450.1	450.4	450.6	450.9	451.2	451.3	451.0
127.5°	480.9	481.0	481.1	481.3	481.4	480.8	480.2	479.5	478.9	478.6	478.5
130°	508.6	508.5	508.4	508.2	508.1	507.7	507.3	507.0	506.6	506.4	506.3
132.5°	535.3	535.2	535.1	534.9	534.8	534.3	533.8	533.3	532.8	532.6	532.5
135°	559.7	559.4	559.2	558.9	558.7	558.2	557.7	557.2	556.7	556.4	556.5
137.5°	583.6	583.3	583.1	582.8	582.6	582.0	581.3	580.7	580.0	579.7	579.7
140°	605.7	605.3	605.0	604.6	604.2	603.9	603.7	603.4	603.1	603.0	602.9
142.5°	625.7	625.4	625.1	624.9	624.6	624.5	624.4	624.3	624.2	624.1	623.8
145°	644.4	644.3	644.2	644.1	644.0	644.0	644.0	644.0	644.0	644.0	643.8
147.5°	661.5	661.4	661.3	661.1	661.0	661.1	661.3	661.4	661.5	661.6	661.2
150°	677.5	677.5	677.5	677.5	677.5	677.6	677.8	677.9	678.0	678.1	677.8
152.5°	692.2	691.9	691.6	691.4	691.1	691.4	691.6	691.9	692.2	692.3	692.1
155°	705.1	704.6	704.1	703.6	703.1	703.5	703.9	704.2	704.6	704.8	704.7
157.5°	716.4	715.8	715.1	714.5	713.9	714.4	714.9	715.4	715.9	716.1	716.1
160°	727.1	726.4	725.6	724.9	724.1	724.2	724.4	724.5	724.6	724.7	724.9
162.5°	735.6	734.9	734.1	733.4	732.6	732.7	732.9	733.0	733.1	733.2	733.5
165°	744.1	743.1	742.0	741.0	740.0	740.0	740.0	740.0	740.0	740.0	740.3
167.5°	750.2	749.1	748.0	746.8	745.7	745.8	746.0	746.1	746.2	746.3	746.6
170°	755.4	754.4	753.4	752.4	751.4	751.3	751.1	751.0	750.9	750.8	751.2
172.5°	758.8	757.8	756.8	755.8	754.8	754.7	754.5	754.4	754.3	754.2	754.6
175°	761.6	760.5	759.4	758.2	757.1	757.0	756.8	756.7	756.6	756.5	756.9
177.5°	762.8	761.8	760.8	759.8	758.8	758.5	758.3	758.0	757.7	757.6	758.0
180°	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9	759.9

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1974.8	1974.8	1974.8	1974.8
2.5°	1930.2	1939.8	1955.7	1978.0
5°	1885.7	1912.7	1938.2	1971.6
7.5°	1845.9	1877.7	1912.7	1960.5
10°	1799.7	1839.5	1884.1	1942.9
12.5°	1745.6	1801.3	1852.2	1915.9
15°	1705.8	1747.2	1812.5	1887.3
17.5°	1650.2	1705.8	1771.1	1855.4
20°	1597.6	1656.5	1729.7	1817.2
22.5°	1541.9	1608.8	1682.0	1775.9
25°	1484.7	1556.3	1629.5	1729.7
27.5°	1432.1	1497.4	1580.1	1682.0
30°	1368.5	1443.3	1522.9	1629.5
32.5°	1306.4	1384.4	1465.6	1572.2
35°	1239.6	1317.6	1406.7	1508.5
37.5°	1174.4	1260.3	1341.4	1440.1
40°	1102.8	1191.9	1276.2	1376.5
42.5°	1032.7	1125.0	1209.4	1295.3
45°	967.5	1058.2	1134.6	1215.7
47.5°	905.4	986.6	1064.6	1137.8
50°	845.0	913.4	985.0	1045.5
52.5°	781.3	846.6	903.8	957.9
55°	724.0	775.0	825.9	875.2
57.5°	655.6	706.5	751.1	789.3
60°	598.3	630.1	673.1	712.9
62.5°	533.1	569.7	603.1	628.6
65°	469.4	501.3	526.7	549.0
67.5°	415.3	434.4	453.5	477.4
70°	350.1	366.0	388.3	405.8
72.5°	294.4	307.1	318.3	338.9
75°	238.7	249.8	256.2	275.3
77.5°	184.6	195.7	200.5	211.6
80°	141.6	143.2	149.6	159.1
82.5°	97.1	100.3	101.8	109.8
85°	55.7	63.7	62.1	65.2
87.5°	23.9	25.5	28.6	31.8
90°	5.9	4.5	3.1	1.7
92.5°	7.8	8.0	8.3	8.5
95°	18.4	22.7	27.0	31.3
97.5°	68.0	65.3	62.5	59.7
100°	100.0	97.7	95.5	93.2
102.5°	135.2	133.7	132.2	130.7
105°	173.4	172.6	171.9	171.1
107.5°	209.1	208.8	208.4	208.0
110°	246.6	246.3	245.9	245.5

TEST NUMBER: P1013283

CATALOG NUMBER: S124RDIP-B1195D590UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	284.2	283.4	282.7	281.9
115°	320.5	320.2	319.8	319.4
117.5°	354.5	354.0	353.5	353.0
120°	388.6	388.1	387.6	387.1
122.5°	419.6	419.4	419.1	418.9
125°	450.5	450.0	449.5	449.0
127.5°	478.4	478.3	478.1	478.0
130°	506.2	506.1	505.9	505.8
132.5°	532.2	531.9	531.7	531.4
135°	556.6	556.7	556.9	557.0
137.5°	579.7	579.7	579.7	579.7
140°	602.6	602.4	602.1	601.9
142.5°	623.3	622.8	622.3	621.8
145°	643.4	643.1	642.7	642.3
147.5°	660.5	659.7	659.0	658.2
150°	677.3	676.8	676.3	675.8
152.5°	691.7	691.4	691.0	690.6
155°	704.6	704.5	704.3	704.2
157.5°	716.1	716.1	716.1	716.1
160°	725.3	725.6	726.0	726.4
162.5°	734.0	734.5	735.0	735.5
165°	741.0	741.6	742.3	742.9
167.5°	747.2	747.9	748.5	749.1
170°	751.9	752.7	753.4	754.2
172.5°	755.3	756.1	756.8	757.6
175°	757.6	758.4	759.1	759.9
177.5°	758.9	759.8	760.7	761.6
180°	759.9	759.9	759.9	759.9

(END OF REPORT)