

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: P1008375

Luminaire Tested: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008375
REPORT IS A COMBINATION OF REPORTS P988145 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K
Description: Define 2 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

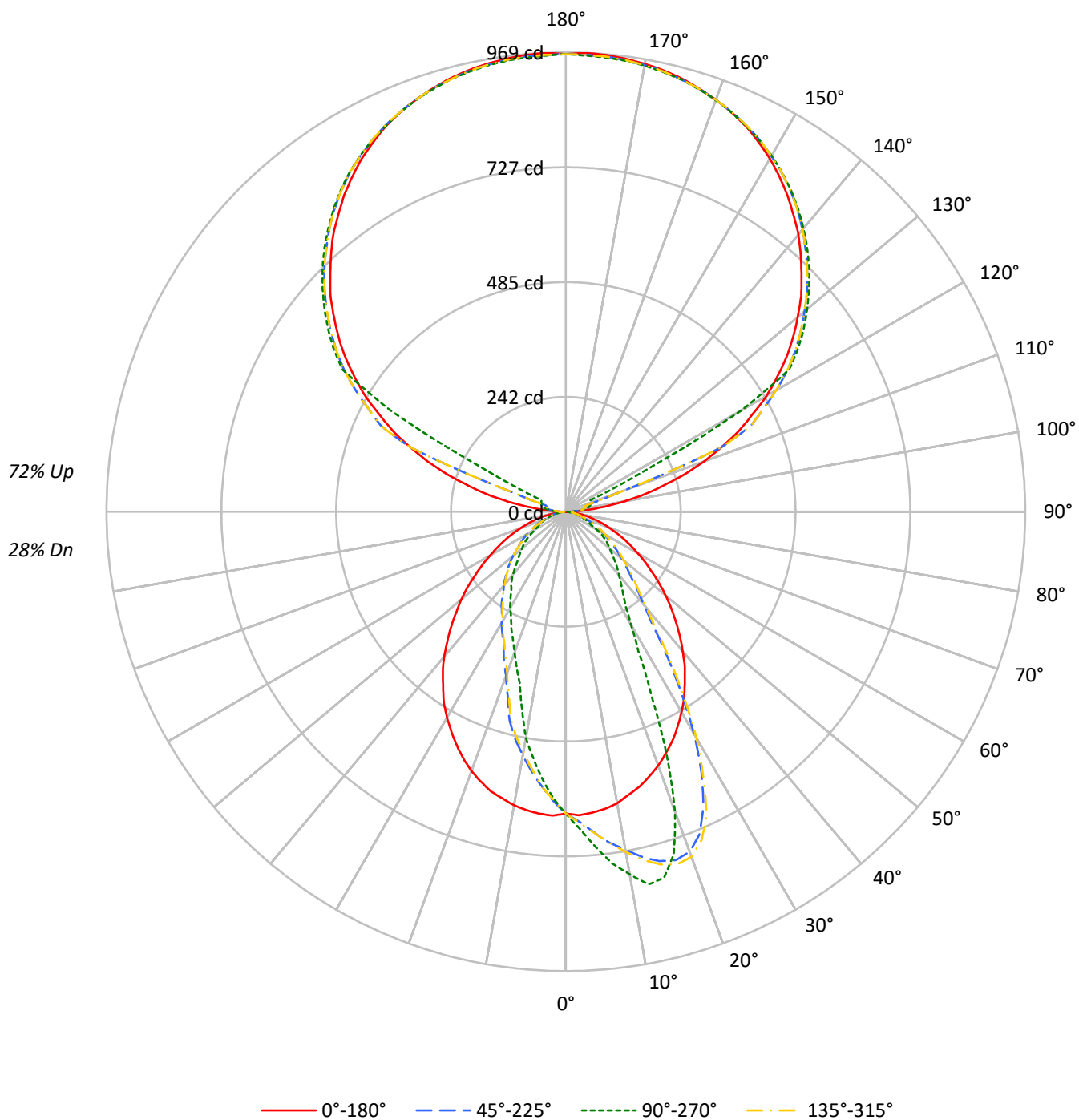
Lumens per Lamp: N/A
Luminaire Lumens: 3932.0 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 34.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36
1	93	89	86	82	83	80	77	74	63	61	59	47	46	45	32	32	31
2	85	78	73	68	76	70	66	62	56	52	50	42	40	38	29	28	27
3	78	69	63	57	70	62	57	52	49	45	42	37	35	33	26	25	23
4	72	62	54	49	64	56	49	44	44	40	36	34	31	28	24	22	21
5	66	55	47	42	59	50	43	38	40	35	32	30	27	25	22	20	18
6	61	49	42	36	54	45	38	33	36	31	28	28	24	22	20	18	16
7	56	45	37	32	50	40	34	29	33	28	24	25	22	20	18	16	15
8	52	41	33	28	47	37	31	26	30	25	22	23	20	18	17	15	13
9	48	37	30	25	44	34	28	23	27	23	20	21	18	16	16	14	12
10	45	34	27	23	41	31	25	21	25	21	18	20	17	14	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10075	10075	10075	10075
5°	10100	10702	10135	8550
10°	9987	11313	10059	7060
15°	9772	11315	9936	5304
20°	9510	9353	9717	4376
25°	9195	5844	9394	3723
30°	8791	3743	9031	3205
35°	8299	2876	8569	2743
40°	7754	2417	8083	2399
45°	7168	2058	7467	2014
50°	6569	1749	6875	1742
55°	5905	1519	6225	1500
60°	5316	1159	5599	1145
65°	4764	871	5048	989
70°	4157	697	4482	807
75°	3513	534	3838	609
80°	2786	364	3002	399
85°	1935	188	2119	198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 9218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	1.5
10°-20°	168.5	4.3
20°-30°	216.9	5.5
30°-40°	205.8	5.2
40°-50°	176.3	4.5
50°-60°	134.3	3.4
60°-70°	84.7	2.2
70°-80°	42.3	1.1
80°-90°	12.6	0.3
90°-100°	31.8	0.8
100°-110°	118.7	3.0
110°-120°	314.7	8.0
120°-130°	522.0	13.3
130°-140°	554.5	14.1
140°-150°	515.4	13.1
150°-160°	414.3	10.5
160°-170°	267.0	6.8
170°-180°	91.9	2.3
0°-30°	445.8	11.3
0°-40°	651.5	16.6
0°-60°	962.2	24.5
0°-90°	1101.7	28.0
90°-120°	465.3	11.8
90°-150°	2057.1	52.3
90°-180°	2830.0	72.0
0°-180°	3932.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	636	636	636	636	636	
5°	637	708	639	566	637	60
15°	600	799	610	375	600	169
25°	533	426	544	272	533	245
35°	437	210	451	200	437	273
45°	328	146	342	143	328	253
55°	222	101	234	100	222	200
65°	134	53	142	60	134	133
75°	63	28	69	32	63	68
85°	14	8	15	8	14	16
90°	1	19	1	19	1	3
95°	45	30	45	30	45	54
105°	212	53	212	53	212	227
115°	402	57	402	57	402	395
125°	568	597	568	597	568	507
135°	703	726	703	726	703	543
145°	815	828	815	828	815	510
155°	898	898	898	898	898	414
165°	946	944	946	944	946	267
175°	968	962	968	962	968	92
180°	965	965	965	965	965	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	640.5	643.2	644.5	646.3	650.2	652.9	656.9	657.8	657.3	659.1	654.2
5°	637.0	642.7	648.0	652.5	659.5	664.0	668.8	674.6	675.9	682.5	678.6
7.5°	632.1	640.5	648.0	656.9	667.5	673.2	680.8	689.6	693.6	701.6	703.8
10°	624.1	636.1	648.9	658.2	672.8	683.0	690.1	704.2	713.5	725.4	723.7
12.5°	611.3	626.8	644.0	659.5	678.6	685.2	698.5	713.1	725.0	736.1	745.8
15°	600.3	618.0	637.0	656.0	677.7	690.1	703.3	722.3	735.2	754.6	763.0
17.5°	585.2	607.8	630.3	651.6	677.2	691.4	707.7	726.3	745.3	763.9	770.6
20°	569.7	594.1	618.4	647.1	676.3	690.1	706.9	729.9	748.4	763.0	763.0
22.5°	551.2	580.8	608.7	636.1	667.9	687.8	705.1	732.1	745.3	748.4	736.5
25°	532.6	562.2	592.7	626.8	663.1	680.8	700.2	725.4	729.9	717.5	686.5
27.5°	510.5	543.6	578.1	614.9	652.9	675.0	692.7	709.5	701.1	667.9	619.7
30°	487.9	523.7	562.7	597.6	643.6	664.0	679.0	683.9	657.3	603.4	541.0
32.5°	464.5	499.4	540.5	582.6	629.0	648.5	658.2	645.4	596.7	528.6	452.5
35°	437.0	476.4	519.3	563.1	609.1	623.7	629.5	598.0	535.7	447.6	372.0
37.5°	412.3	451.6	497.6	542.3	587.0	594.9	589.2	540.1	460.9	373.8	299.9
40°	383.1	425.1	470.2	520.2	556.9	559.1	545.0	481.3	383.1	301.2	255.7
42.5°	356.1	398.5	443.7	494.5	522.4	514.9	495.9	412.3	319.8	259.7	222.9
45°	328.2	368.5	417.1	462.2	482.2	464.5	435.7	346.8	268.5	223.4	195.1
47.5°	301.2	338.8	387.0	430.4	433.9	414.0	380.0	290.6	232.7	196.4	173.4
50°	274.7	312.3	357.4	393.2	389.7	362.3	323.8	252.6	202.1	173.4	154.4
52.5°	248.2	282.2	326.0	354.3	339.3	312.7	274.7	214.1	176.5	151.3	136.7
55°	221.6	253.5	291.1	314.5	290.6	260.1	233.1	183.6	153.0	132.7	121.6
57.5°	199.5	224.7	259.2	273.4	244.6	220.7	197.3	157.9	132.7	118.1	105.3
60°	175.2	198.2	226.5	234.9	205.2	185.8	165.9	133.6	113.7	100.9	92.4
62.5°	154.4	173.4	195.1	195.1	169.0	154.4	139.3	111.9	95.5	85.4	81.4
65°	134.0	147.7	163.2	161.5	139.3	126.5	114.6	92.4	80.1	73.0	69.0
67.5°	114.1	124.7	134.9	128.7	112.8	101.7	90.7	74.8	66.4	61.5	56.2
70°	96.0	104.4	109.7	104.0	88.0	78.7	70.8	60.2	53.5	47.3	44.2
72.5°	80.5	84.0	85.8	78.7	65.5	60.2	54.4	46.9	41.1	38.0	37.2
75°	62.8	65.9	64.6	59.3	48.2	44.2	39.8	34.5	33.2	31.4	30.5
77.5°	49.1	49.1	46.9	42.0	34.5	31.4	29.6	27.0	25.7	25.2	24.3
80°	34.9	34.5	33.2	27.9	23.4	21.7	21.7	19.9	19.5	18.6	18.6
82.5°	23.0	23.0	21.2	16.8	15.5	15.0	14.6	13.7	13.7	13.3	13.3
85°	13.7	12.8	10.6	9.3	8.8	8.8	8.4	8.0	8.4	8.0	8.0
87.5°	6.2	4.9	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
90°	0.7	2.4	4.1	5.8	7.5	8.4	9.0	10.3	11.5	12.8	14.0
92.5°	17.5	16.9	16.3	15.6	15.0	14.7	14.9	15.4	15.9	16.3	16.8
95°	45.4	40.3	35.2	30.1	25.0	22.4	22.9	24.0	25.1	26.1	27.2
97.5°	81.7	69.0	56.3	43.6	30.9	24.5	25.7	28.2	30.7	33.1	35.6
100°	123.6	102.3	81.1	59.8	38.5	27.9	29.2	31.9	34.5	37.2	39.8
102.5°	169.8	169.5	169.2	168.9	168.6	168.4	154.3	126.0	97.7	69.5	41.2
105°	212.4	217.0	221.7	226.3	231.0	233.3	212.1	169.7	127.4	85.0	42.6
107.5°	262.0	265.9	269.7	273.6	277.5	279.4	253.2	200.9	148.6	96.3	44.0
110°	309.5	312.7	316.0	319.2	322.5	324.1	301.7	256.8	212.0	167.1	122.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	354.2	357.0	359.8	362.6	365.4	366.8	365.5	362.8	360.2	357.5	354.9
115°	401.7	404.3	407.0	409.6	412.3	413.6	415.5	419.4	423.3	427.1	431.0
117.5°	442.9	446.0	449.1	452.2	455.3	456.9	458.2	460.8	463.5	466.1	468.7
120°	489.0	491.3	493.7	496.0	498.3	499.5	500.9	503.7	506.5	509.3	512.1
122.5°	528.1	530.6	533.1	535.6	538.1	539.3	540.9	544.0	547.1	550.2	553.3
125°	567.9	569.9	571.9	574.0	576.0	577.0	578.5	581.4	584.4	587.3	590.3
127.5°	604.3	606.5	608.6	610.8	612.9	614.0	615.2	617.5	619.8	622.2	624.5
130°	638.5	641.0	643.5	646.0	648.5	649.7	650.6	652.3	654.0	655.7	657.4
132.5°	673.4	675.4	677.4	679.5	681.5	682.5	683.4	685.1	686.8	688.5	690.2
135°	702.8	705.3	707.7	710.2	712.7	713.9	714.6	716.0	717.4	718.8	720.2
137.5°	733.5	735.4	737.2	739.1	741.0	741.9	742.7	744.2	745.8	747.3	748.9
140°	763.5	764.7	766.0	767.2	768.5	769.1	770.0	771.7	773.4	775.1	776.8
142.5°	788.7	789.8	790.9	792.0	793.1	793.6	794.6	796.6	798.7	800.7	802.7
145°	815.2	815.0	814.9	814.7	814.6	814.5	815.8	818.5	821.1	823.8	826.4
147.5°	838.3	837.8	837.4	836.9	836.4	836.2	837.5	840.2	842.8	845.5	848.1
150°	860.6	859.5	858.5	857.4	856.3	855.8	857.0	859.5	862.0	864.4	866.9
152.5°	879.5	878.3	877.0	875.8	874.5	873.9	875.1	877.4	879.7	882.1	884.4
155°	897.7	896.3	894.9	893.5	892.1	891.4	892.3	894.2	896.1	897.9	899.8
157.5°	912.3	911.1	909.8	908.6	907.3	906.7	907.4	908.8	910.2	911.6	913.0
160°	924.9	924.0	923.0	922.1	921.2	920.7	921.2	922.1	923.0	924.0	924.9
162.5°	936.1	935.2	934.2	933.3	932.4	931.9	932.3	933.1	933.8	934.6	935.4
165°	945.9	945.0	944.0	943.1	942.2	941.7	941.9	942.4	942.9	943.3	943.8
167.5°	953.6	952.7	951.7	950.8	949.9	949.4	949.6	950.1	950.6	951.0	951.5
170°	959.8	958.9	957.9	957.0	956.1	955.6	955.8	956.1	956.4	956.7	957.0
172.5°	964.0	963.1	962.1	961.2	960.3	959.8	960.0	960.3	960.6	960.9	961.2
175°	967.5	966.4	965.3	964.2	963.1	962.6	962.8	963.1	963.4	963.7	964.0
177.5°	968.9	967.8	966.7	965.6	964.5	964.0	964.1	964.2	964.4	964.5	964.7
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	659.1	660.0	661.3	667.5	668.4	670.1	669.3	669.3	669.7	668.8	669.3
5°	687.4	688.7	695.4	702.9	704.6	702.9	705.1	708.2	708.2	708.2	707.3
7.5°	713.9	718.8	726.3	737.4	739.6	741.8	745.8	743.1	744.0	748.0	746.7
10°	739.6	746.7	755.1	764.4	769.2	772.3	774.1	778.1	787.4	776.8	780.7
12.5°	763.9	774.1	782.9	793.1	796.7	800.6	802.0	805.5	805.5	805.1	808.2
15°	779.8	789.1	797.1	803.7	804.6	803.7	802.8	803.3	804.6	799.3	802.4
17.5°	783.4	784.3	786.9	784.3	784.7	775.4	770.1	768.8	756.4	756.8	767.0
20°	766.1	751.1	747.1	732.5	723.7	699.8	698.9	692.3	666.2	674.1	672.4
22.5°	718.8	693.1	659.1	642.3	633.9	608.7	589.2	575.5	566.2	556.9	552.9
25°	656.4	614.9	566.6	533.5	528.6	505.2	469.3	452.5	432.6	426.4	437.0
27.5°	575.9	522.0	467.6	416.7	407.4	386.2	368.0	356.1	333.1	331.8	332.6
30°	466.7	412.3	366.7	333.5	310.5	300.8	288.8	280.0	270.7	274.3	275.1
32.5°	383.5	331.8	289.3	271.6	261.0	254.8	244.6	238.9	234.9	233.6	233.1
35°	304.8	270.3	251.2	234.0	227.8	223.4	215.9	213.2	209.7	210.1	210.1
37.5°	261.0	232.2	218.1	209.2	203.5	201.3	196.4	193.7	191.5	190.6	192.0
40°	225.2	205.2	196.4	188.4	183.6	182.7	180.0	176.9	174.3	174.7	176.1
42.5°	199.1	187.6	176.9	170.7	167.2	165.9	163.7	161.5	161.5	160.1	159.7
45°	178.3	169.0	160.1	154.4	152.2	150.4	147.7	147.3	145.5	146.0	146.4
47.5°	159.7	152.2	145.5	139.8	137.6	137.1	134.5	132.7	132.7	132.3	131.8
50°	142.9	135.4	129.6	126.5	123.4	122.5	122.1	121.6	120.8	120.8	121.2
52.5°	129.2	121.6	117.2	114.6	112.8	111.9	111.9	111.5	111.5	111.5	111.0
55°	114.1	107.9	104.4	103.5	102.6	102.2	101.7	100.9	100.4	101.3	100.4
57.5°	100.0	97.8	94.7	93.8	91.6	91.6	90.2	89.4	88.5	89.4	89.4
60°	88.9	85.8	84.0	81.4	79.6	77.9	75.6	75.2	74.3	73.9	73.4
62.5°	77.4	74.8	70.3	66.4	63.7	61.9	61.0	60.6	60.6	60.2	60.2
65°	64.6	58.4	56.2	54.9	54.4	54.0	53.1	52.6	53.1	52.6	53.1
67.5°	50.4	49.5	48.2	47.3	46.9	46.4	46.4	46.0	46.0	46.0	46.0
70°	43.8	41.6	41.1	40.3	40.3	39.8	39.8	39.8	39.8	39.4	40.3
72.5°	36.3	34.9	34.5	34.1	34.1	34.1	33.6	33.6	33.6	33.2	33.6
75°	29.6	29.2	28.3	28.3	27.9	28.3	27.9	27.9	27.4	27.9	27.9
77.5°	23.9	23.4	23.0	23.0	22.6	22.6	22.6	22.6	22.6	22.6	23.0
80°	18.1	17.7	17.3	17.7	17.3	17.7	17.3	17.3	17.7	17.3	17.3
82.5°	13.3	12.8	12.8	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
85°	8.0	7.5	7.5	8.0	7.5	8.0	7.5	7.5	7.5	8.0	8.0
87.5°	3.5	4.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0
90°	14.8	15.6	16.3	17.1	17.5	17.7	18.0	18.3	18.6	18.9	18.6
92.5°	17.1	17.4	17.7	18.0	18.2	18.3	18.4	18.6	18.7	18.9	18.7
95°	28.0	28.8	29.5	30.3	30.7	30.6	30.5	30.3	30.2	30.0	30.2
97.5°	36.1	36.5	37.0	37.5	37.7	37.8	37.9	38.1	38.2	38.4	38.2
100°	41.0	42.3	43.5	44.8	45.4	45.6	45.9	46.2	46.5	46.8	46.5
102.5°	42.9	44.6	46.3	48.0	48.9	49.1	49.6	50.1	50.5	51.0	50.5
105°	44.3	46.0	47.7	49.4	50.3	50.6	51.2	51.9	52.5	53.1	52.5
107.5°	45.7	47.4	49.1	50.8	51.7	52.0	52.6	53.3	53.9	54.5	53.9
110°	106.8	91.2	75.7	60.2	52.4	52.7	53.3	54.0	54.6	55.2	54.6

TEST NUMBER: P1008375

CATALOG NUMBER: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	288.0	221.1	154.2	87.3	53.8	54.0	54.5	55.0	55.4	55.9	55.4
115°	359.1	287.3	215.4	143.5	107.6	102.0	90.8	79.7	68.5	57.3	68.5
117.5°	446.5	424.3	402.1	379.9	368.8	348.5	307.8	267.1	226.5	185.8	226.5
120°	513.9	515.8	517.6	519.5	520.4	509.9	489.0	468.0	447.1	426.1	447.1
122.5°	554.2	555.2	556.1	557.0	557.5	557.6	557.7	557.9	558.0	558.2	558.0
125°	591.4	592.5	593.6	594.7	595.2	595.4	595.9	596.4	596.8	597.3	596.8
127.5°	626.1	627.6	629.2	630.7	631.5	631.6	631.7	631.9	632.0	632.2	632.0
130°	659.1	660.8	662.5	664.2	665.0	664.9	664.8	664.6	664.5	664.3	664.5
132.5°	691.6	693.0	694.4	695.8	696.5	696.4	696.3	696.1	696.0	695.8	696.0
135°	721.8	723.3	724.9	726.4	727.2	727.0	726.7	726.4	726.1	725.8	726.1
137.5°	750.5	752.0	753.6	755.1	755.9	755.7	755.2	754.7	754.3	753.8	754.3
140°	778.2	779.6	781.0	782.4	783.1	782.7	781.9	781.2	780.4	779.6	780.4
142.5°	803.9	805.2	806.4	807.7	808.3	807.9	807.1	806.4	805.6	804.8	805.6
145°	827.5	828.6	829.7	830.8	831.3	830.9	830.1	829.4	828.6	827.8	828.6
147.5°	848.9	849.7	850.4	851.2	851.6	851.3	850.7	850.0	849.4	848.8	849.4
150°	867.8	868.8	869.7	870.6	871.1	870.7	869.9	869.2	868.4	867.6	868.4
152.5°	885.3	886.3	887.2	888.1	888.6	888.1	887.0	885.9	884.8	883.7	884.8
155°	900.7	901.7	902.6	903.5	904.0	903.4	902.1	900.9	899.6	898.4	899.6
157.5°	914.1	915.2	916.3	917.4	917.9	917.3	916.0	914.8	913.5	912.3	913.5
160°	925.8	926.8	927.7	928.6	929.1	928.6	927.5	926.4	925.3	924.2	925.3
162.5°	936.5	937.6	938.7	939.8	940.3	939.6	938.2	936.8	935.4	934.0	935.4
165°	944.9	946.0	947.1	948.2	948.7	948.2	947.1	946.0	944.9	943.8	944.9
167.5°	952.6	953.6	954.7	955.8	956.3	955.6	954.2	952.9	951.5	950.1	951.5
170°	958.1	959.2	960.3	961.4	961.9	961.2	959.8	958.4	957.0	955.6	957.0
172.5°	962.3	963.4	964.5	965.6	966.1	965.4	964.0	962.6	961.2	959.8	961.2
175°	965.1	966.2	967.3	968.4	968.9	968.1	966.6	965.0	963.5	961.9	963.5
177.5°	965.8	966.9	968.0	969.1	969.6	968.9	967.5	966.1	964.7	963.3	964.7
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

TEST NUMBER: P1008375

CATALOG NUMBER: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	671.0	667.9	667.0	667.9	667.0	667.5	664.4	652.9	656.0	651.1	653.8
5°	709.1	706.4	700.7	699.8	698.9	698.0	693.6	683.4	679.4	672.8	672.4
7.5°	745.3	745.3	740.9	737.8	733.8	730.7	725.0	710.0	703.8	695.8	691.4
10°	781.2	769.7	774.5	771.4	761.7	759.9	749.3	740.5	728.5	720.6	713.5
12.5°	806.8	803.3	798.9	796.2	793.6	787.8	780.7	758.2	752.0	736.1	728.1
15°	805.9	803.7	805.1	805.1	804.2	802.8	797.1	780.7	770.1	754.6	740.9
17.5°	762.6	768.3	774.1	778.1	786.9	790.9	796.2	786.5	779.8	766.6	752.0
20°	687.0	701.1	717.9	721.5	729.4	752.9	763.5	771.9	774.5	770.1	758.2
22.5°	581.7	593.6	634.3	633.4	644.9	672.8	703.8	729.0	748.9	759.9	755.5
25°	455.6	472.4	494.1	510.5	548.1	589.6	628.1	668.4	702.9	733.4	740.9
27.5°	344.6	366.7	384.0	405.6	424.6	473.7	523.3	586.1	626.4	684.3	714.4
30°	278.7	288.8	306.1	316.3	325.6	363.2	419.3	481.3	552.0	618.8	670.6
32.5°	238.0	245.1	257.9	262.3	272.0	297.3	332.6	389.3	462.2	543.2	611.3
35°	213.7	221.2	223.8	227.8	235.8	251.7	276.0	317.2	383.1	462.2	543.6
37.5°	192.9	196.8	204.4	207.0	209.7	221.6	238.0	266.7	310.5	375.5	465.8
40°	178.3	180.5	184.5	186.7	188.4	196.8	211.4	230.9	263.2	312.7	395.9
42.5°	162.8	165.4	168.1	170.7	173.0	179.6	188.4	207.0	228.7	266.3	326.4
45°	147.7	149.5	152.6	154.4	157.5	162.8	170.7	183.6	203.0	226.9	275.6
47.5°	134.0	136.2	137.6	139.8	142.0	147.7	155.3	163.7	179.6	203.0	238.4
50°	121.6	124.3	126.1	126.5	128.3	133.6	139.8	149.1	159.2	177.4	208.3
52.5°	112.8	113.2	114.6	116.3	115.9	119.0	124.7	131.8	142.4	157.0	179.6
55°	102.6	104.0	104.8	105.3	105.3	107.9	111.0	117.7	126.1	138.0	157.0
57.5°	89.8	91.1	93.8	94.7	96.0	97.3	98.6	103.1	110.1	121.6	137.1
60°	76.5	77.4	80.1	81.8	82.7	86.3	88.0	91.6	95.5	104.0	118.5
62.5°	61.5	62.4	63.7	65.5	67.2	72.5	77.0	80.5	83.6	89.4	101.3
65°	53.5	54.0	54.9	55.3	55.7	57.9	61.9	66.8	72.5	77.0	84.0
67.5°	46.4	46.9	47.3	48.2	48.7	49.1	50.9	52.2	57.9	64.1	69.4
70°	39.8	40.7	41.1	41.1	41.6	42.5	43.3	45.1	46.9	50.0	56.6
72.5°	33.6	34.1	34.9	34.9	34.9	35.8	36.7	37.6	38.5	40.3	42.9
75°	27.9	28.8	28.8	28.8	29.2	29.2	30.1	31.0	31.8	33.2	34.1
77.5°	23.0	23.0	23.0	23.0	23.4	23.4	23.9	24.8	25.2	25.7	26.5
80°	17.3	17.7	17.7	17.7	18.1	18.1	18.1	19.0	19.5	19.5	20.3
82.5°	12.8	12.8	12.8	13.3	12.8	13.3	13.3	13.7	13.3	13.7	14.2
85°	8.0	8.0	8.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.8
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.4	4.0	4.0
90°	18.3	18.0	17.7	17.5	17.1	16.3	15.6	14.8	14.0	12.8	11.5
92.5°	18.6	18.4	18.3	18.2	18.0	17.7	17.4	17.1	16.8	16.3	15.9
95°	30.3	30.5	30.6	30.7	30.3	29.5	28.8	28.0	27.2	26.1	25.1
97.5°	38.1	37.9	37.8	37.7	37.5	37.0	36.5	36.1	35.6	33.1	30.7
100°	46.2	45.9	45.6	45.4	44.8	43.5	42.3	41.0	39.8	37.2	34.5
102.5°	50.1	49.6	49.1	48.9	48.0	46.3	44.6	42.9	41.2	39.5	37.7
105°	51.9	51.2	50.6	50.3	49.4	47.7	46.0	44.3	42.6	40.9	39.1
107.5°	53.3	52.6	52.0	51.7	50.8	49.1	47.4	45.7	44.0	42.3	40.6
110°	54.0	53.3	52.7	52.4	50.2	48.5	46.8	45.1	43.4	41.7	40.0

TEST NUMBER: P1008375

CATALOG NUMBER: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	55.0	54.5	54.0	53.8	87.3	154.2	221.1	288.0	354.9	357.5	360.2
115°	79.7	90.8	102.0	107.6	143.5	215.4	287.3	359.1	431.0	427.1	423.3
117.5°	267.1	307.8	348.5	368.8	379.9	402.1	424.3	446.5	468.7	466.1	463.5
120°	468.0	489.0	509.9	520.4	519.5	517.6	515.8	513.9	512.1	509.3	506.5
122.5°	557.9	557.7	557.6	557.5	557.0	556.1	555.2	554.2	553.3	550.2	547.1
125°	596.4	595.9	595.4	595.2	594.7	593.6	592.5	591.4	590.3	587.3	584.4
127.5°	631.9	631.7	631.6	631.5	630.7	629.2	627.6	626.1	624.5	622.2	619.8
130°	664.6	664.8	664.9	665.0	664.2	662.5	660.8	659.1	657.4	655.7	654.0
132.5°	696.1	696.3	696.4	696.5	695.8	694.4	693.0	691.6	690.2	688.5	686.8
135°	726.4	726.7	727.0	727.2	726.4	724.9	723.3	721.8	720.2	718.8	717.4
137.5°	754.7	755.2	755.7	755.9	755.1	753.6	752.0	750.5	748.9	747.3	745.8
140°	781.2	781.9	782.7	783.1	782.4	781.0	779.6	778.2	776.8	775.1	773.4
142.5°	806.4	807.1	807.9	808.3	807.7	806.4	805.2	803.9	802.7	800.7	798.7
145°	829.4	830.1	830.9	831.3	830.8	829.7	828.6	827.5	826.4	823.8	821.1
147.5°	850.0	850.7	851.3	851.6	851.2	850.4	849.7	848.9	848.1	845.5	842.8
150°	869.2	869.9	870.7	871.1	870.6	869.7	868.8	867.8	866.9	864.4	862.0
152.5°	885.9	887.0	888.1	888.6	888.1	887.2	886.3	885.3	884.4	882.1	879.7
155°	900.9	902.1	903.4	904.0	903.5	902.6	901.7	900.7	899.8	897.9	896.1
157.5°	914.8	916.0	917.3	917.9	917.4	916.3	915.2	914.1	913.0	911.6	910.2
160°	926.4	927.5	928.6	929.1	928.6	927.7	926.8	925.8	924.9	924.0	923.0
162.5°	936.8	938.2	939.6	940.3	939.8	938.7	937.6	936.5	935.4	934.6	933.8
165°	946.0	947.1	948.2	948.7	948.2	947.1	946.0	944.9	943.8	943.3	942.9
167.5°	952.9	954.2	955.6	956.3	955.8	954.7	953.6	952.6	951.5	951.0	950.6
170°	958.4	959.8	961.2	961.9	961.4	960.3	959.2	958.1	957.0	956.7	956.4
172.5°	962.6	964.0	965.4	966.1	965.6	964.5	963.4	962.3	961.2	960.9	960.6
175°	965.0	966.6	968.1	968.9	968.4	967.3	966.2	965.1	964.0	963.7	963.4
177.5°	966.1	967.5	968.9	969.6	969.1	968.0	966.9	965.8	964.7	964.5	964.4
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

TEST NUMBER: P1008375

CATALOG NUMBER: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	649.8	647.6	647.6	646.3	646.3	639.2	639.2	641.4	638.7	635.6	631.2
5°	666.6	661.7	660.4	658.6	652.9	644.0	640.5	639.2	633.9	627.2	619.7
7.5°	682.5	674.6	670.6	666.6	659.1	646.7	639.6	634.8	626.8	616.6	606.9
10°	698.0	687.8	677.7	672.8	662.2	646.7	636.5	628.6	617.1	603.4	589.6
12.5°	712.2	690.9	689.2	679.4	664.0	646.3	630.8	619.3	604.7	588.8	572.8
15°	724.6	702.9	692.3	683.4	663.1	641.0	624.6	610.4	591.0	572.8	553.4
17.5°	730.7	707.3	700.2	685.6	664.8	636.1	614.0	596.7	575.5	553.8	531.7
20°	736.9	709.5	698.0	687.8	659.5	626.8	602.0	582.1	558.7	533.0	508.7
22.5°	740.0	709.5	695.8	681.6	654.2	616.6	587.4	564.0	536.6	510.5	481.3
25°	734.7	706.9	690.5	675.9	644.9	604.2	570.6	544.1	514.9	485.2	455.6
27.5°	721.5	700.7	681.6	666.6	632.1	588.3	552.9	522.8	492.8	459.6	429.5
30°	696.7	687.4	672.4	655.5	618.0	574.2	532.1	501.2	468.0	434.8	403.4
32.5°	658.2	666.2	656.4	641.8	601.1	554.7	510.0	478.6	442.3	406.5	377.8
35°	611.3	639.6	634.3	624.1	583.4	533.9	489.2	451.2	414.9	378.6	349.9
37.5°	560.0	602.9	607.3	601.1	563.1	512.7	463.6	426.4	389.3	352.5	323.4
40°	489.7	555.6	569.7	572.4	541.9	487.0	435.7	399.4	362.7	326.9	291.5
42.5°	425.1	508.2	525.9	537.0	514.9	461.8	410.0	369.8	333.5	301.2	265.8
45°	364.5	451.2	479.9	494.1	484.4	433.1	379.5	341.9	308.8	279.1	245.1
47.5°	302.1	389.3	429.5	452.1	452.1	403.9	350.3	313.2	281.3	256.1	226.0
50°	260.5	333.1	374.7	404.3	412.3	374.2	323.8	287.5	257.4	230.0	207.0
52.5°	222.1	287.1	321.6	352.5	375.5	342.4	294.2	261.4	231.8	206.1	188.0
55°	192.0	240.6	272.0	306.1	331.8	310.1	265.4	233.6	207.9	186.7	171.2
57.5°	163.2	205.7	231.3	261.4	288.8	272.5	236.7	209.2	186.7	168.1	154.4
60°	138.9	173.4	193.3	216.7	250.8	239.3	209.7	184.5	166.3	149.5	138.0
62.5°	118.1	145.5	162.3	179.1	210.1	204.8	181.8	162.3	146.9	132.7	123.0
65°	96.9	119.4	132.7	147.3	172.1	174.3	155.7	142.0	127.8	115.5	106.6
67.5°	78.3	96.0	107.9	120.3	140.2	146.4	133.6	122.1	110.1	100.0	92.0
70°	63.3	75.6	84.5	94.2	110.6	118.1	111.5	103.5	93.8	85.4	78.3
72.5°	50.0	57.9	63.3	70.8	84.0	91.6	91.1	84.0	77.0	71.2	65.5
75°	36.7	42.9	47.3	52.2	62.8	69.9	71.7	68.6	61.5	57.1	52.6
77.5°	27.9	31.4	33.6	37.2	44.7	50.9	53.5	52.6	47.8	44.2	41.1
80°	21.2	22.1	23.0	24.3	30.5	36.3	38.0	37.6	34.9	33.6	30.1
82.5°	15.0	15.5	15.9	16.4	18.6	23.4	25.2	26.1	23.9	22.6	19.5
85°	8.8	9.3	9.3	10.2	10.6	11.9	15.0	15.0	14.6	12.8	12.4
87.5°	4.4	4.4	4.0	4.0	4.4	4.9	5.8	6.6	5.8	5.3	4.9
90°	10.3	9.0	8.4	7.5	5.8	4.1	2.4	0.7	2.4	4.1	5.8
92.5°	15.4	14.9	14.7	15.0	15.6	16.3	16.9	17.5	16.9	16.3	15.6
95°	24.0	22.9	22.4	25.0	30.1	35.2	40.3	45.4	40.3	35.2	30.1
97.5°	28.2	25.7	24.5	30.9	43.6	56.3	69.0	81.7	69.0	56.3	43.6
100°	31.9	29.2	27.9	38.5	59.8	81.1	102.3	123.6	102.3	81.1	59.8
102.5°	126.0	154.3	168.4	168.6	168.9	169.2	169.5	169.8	169.5	169.2	168.9
105°	169.7	212.1	233.3	231.0	226.3	221.7	217.0	212.4	217.0	221.7	226.3
107.5°	200.9	253.2	279.4	277.5	273.6	269.7	265.9	262.0	265.9	269.7	273.6
110°	256.8	301.7	324.1	322.5	319.2	316.0	312.7	309.5	312.7	316.0	319.2

TEST NUMBER: P1008375

CATALOG NUMBER: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	362.8	365.5	366.8	365.4	362.6	359.8	357.0	354.2	357.0	359.8	362.6
115°	419.4	415.5	413.6	412.3	409.6	407.0	404.3	401.7	404.3	407.0	409.6
117.5°	460.8	458.2	456.9	455.3	452.2	449.1	446.0	442.9	446.0	449.1	452.2
120°	503.7	500.9	499.5	498.3	496.0	493.7	491.3	489.0	491.3	493.7	496.0
122.5°	544.0	540.9	539.3	538.1	535.6	533.1	530.6	528.1	530.6	533.1	535.6
125°	581.4	578.5	577.0	576.0	574.0	571.9	569.9	567.9	569.9	571.9	574.0
127.5°	617.5	615.2	614.0	612.9	610.8	608.6	606.5	604.3	606.5	608.6	610.8
130°	652.3	650.6	649.7	648.5	646.0	643.5	641.0	638.5	641.0	643.5	646.0
132.5°	685.1	683.4	682.5	681.5	679.5	677.4	675.4	673.4	675.4	677.4	679.5
135°	716.0	714.6	713.9	712.7	710.2	707.7	705.3	702.8	705.3	707.7	710.2
137.5°	744.2	742.7	741.9	741.0	739.1	737.2	735.4	733.5	735.4	737.2	739.1
140°	771.7	770.0	769.1	768.5	767.2	766.0	764.7	763.5	764.7	766.0	767.2
142.5°	796.6	794.6	793.6	793.1	792.0	790.9	789.8	788.7	789.8	790.9	792.0
145°	818.5	815.8	814.5	814.6	814.7	814.9	815.0	815.2	815.0	814.9	814.7
147.5°	840.2	837.5	836.2	836.4	836.9	837.4	837.8	838.3	837.8	837.4	836.9
150°	859.5	857.0	855.8	856.3	857.4	858.5	859.5	860.6	859.5	858.5	857.4
152.5°	877.4	875.1	873.9	874.5	875.8	877.0	878.3	879.5	878.3	877.0	875.8
155°	894.2	892.3	891.4	892.1	893.5	894.9	896.3	897.7	896.3	894.9	893.5
157.5°	908.8	907.4	906.7	907.3	908.6	909.8	911.1	912.3	911.1	909.8	908.6
160°	922.1	921.2	920.7	921.2	922.1	923.0	924.0	924.9	924.0	923.0	922.1
162.5°	933.1	932.3	931.9	932.4	933.3	934.2	935.2	936.1	935.2	934.2	933.3
165°	942.4	941.9	941.7	942.2	943.1	944.0	945.0	945.9	945.0	944.0	943.1
167.5°	950.1	949.6	949.4	949.9	950.8	951.7	952.7	953.6	952.7	951.7	950.8
170°	956.1	955.8	955.6	956.1	957.0	957.9	958.9	959.8	958.9	957.9	957.0
172.5°	960.3	960.0	959.8	960.3	961.2	962.1	963.1	964.0	963.1	962.1	961.2
175°	963.1	962.8	962.6	963.1	964.2	965.3	966.4	967.5	966.4	965.3	964.2
177.5°	964.2	964.1	964.0	964.5	965.6	966.7	967.8	968.9	967.8	966.7	965.6
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

TEST NUMBER: P1008375

CATALOG NUMBER: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	629.5	629.9	631.2	627.2	621.0	618.4	610.4	609.1	607.8	607.8	609.1
5°	615.3	613.5	614.0	606.4	597.6	592.3	581.2	583.0	577.3	573.7	574.6
7.5°	599.8	594.9	594.5	584.8	573.7	564.0	552.5	549.8	544.5	538.3	535.7
10°	580.4	576.8	570.2	559.1	545.0	537.0	521.5	512.2	510.9	501.6	498.1
12.5°	560.4	554.3	547.6	532.1	516.2	503.4	491.9	481.7	474.6	466.7	461.4
15°	537.4	529.9	522.4	506.0	487.5	474.6	457.4	442.3	421.6	405.2	395.9
17.5°	512.2	503.8	493.7	475.5	457.4	439.7	407.8	390.1	375.5	365.8	360.1
20°	486.1	476.8	466.7	448.5	417.1	386.2	368.5	354.8	345.9	336.2	329.1
22.5°	458.7	449.0	437.9	409.6	376.4	354.8	341.0	328.2	315.4	310.1	306.5
25°	433.1	424.2	410.0	371.6	345.5	325.6	310.1	301.7	295.0	288.0	281.3
27.5°	406.5	390.1	370.2	337.9	321.6	301.2	290.2	284.0	272.5	267.6	264.5
30°	374.7	356.5	337.5	314.5	295.5	281.3	271.2	261.0	254.3	249.5	244.2
32.5°	342.4	325.1	313.2	289.3	275.1	260.5	250.8	244.6	234.9	231.8	229.6
35°	314.5	299.9	289.3	269.8	256.6	243.3	236.2	226.9	220.7	215.0	211.4
37.5°	287.1	279.1	268.1	251.7	237.5	226.9	217.2	214.1	205.7	202.6	199.1
40°	268.1	256.1	246.8	232.7	220.7	209.2	203.0	196.0	190.2	185.3	184.0
42.5°	245.1	236.2	230.9	215.4	203.0	196.4	188.9	180.9	176.5	172.5	167.6
45°	227.8	219.8	212.3	199.9	188.9	180.5	173.8	168.5	161.0	159.2	151.7
47.5°	209.7	201.7	196.0	183.6	173.4	165.4	160.6	153.5	147.3	143.3	139.8
50°	191.5	184.9	179.6	169.0	160.1	151.7	145.1	138.0	135.4	128.7	126.5
52.5°	174.3	169.9	164.1	153.9	145.1	138.0	130.9	125.2	121.2	117.7	115.0
55°	159.7	152.6	150.0	138.9	131.4	123.9	117.7	114.1	109.3	107.0	104.8
57.5°	143.3	139.3	134.9	126.5	118.1	111.0	106.6	101.3	98.6	96.0	94.2
60°	129.2	123.4	119.9	112.8	105.3	98.6	94.7	90.7	87.1	84.9	81.4
62.5°	112.8	108.4	106.2	98.6	92.4	86.3	82.7	78.7	76.1	72.1	67.7
65°	98.6	95.1	92.4	86.3	80.5	74.8	71.2	66.4	62.8	60.6	60.2
67.5°	86.3	83.6	79.6	73.9	68.1	63.7	59.7	55.7	55.3	54.4	54.4
70°	72.5	69.9	67.7	61.5	56.6	51.8	50.9	49.5	48.2	47.8	46.9
72.5°	60.6	58.4	55.7	50.4	45.6	44.2	43.3	42.5	41.1	40.7	40.3
75°	49.1	46.0	44.2	39.4	38.0	37.2	36.3	34.9	34.1	33.6	32.7
77.5°	37.6	34.5	34.5	31.8	31.0	29.6	28.8	27.9	27.4	26.5	26.5
80°	26.5	26.5	25.7	24.3	23.0	22.6	21.2	20.8	20.3	20.8	19.9
82.5°	19.5	17.7	17.7	16.8	15.9	15.5	14.6	14.6	14.2	14.2	14.2
85°	11.1	11.1	10.6	9.7	9.3	9.3	8.8	8.8	8.4	8.4	8.0
87.5°	4.4	4.0	4.4	4.0	4.0	3.5	3.5	3.5	3.1	3.5	3.1
90°	7.5	8.4	9.0	10.3	11.5	12.8	14.0	14.8	15.6	16.3	17.1
92.5°	15.0	14.7	14.9	15.4	15.9	16.3	16.8	17.1	17.4	17.7	18.0
95°	25.0	22.4	22.9	24.0	25.1	26.1	27.2	28.0	28.8	29.5	30.3
97.5°	30.9	24.5	25.7	28.2	30.7	33.1	35.6	36.1	36.5	37.0	37.5
100°	38.5	27.9	29.2	31.9	34.5	37.2	39.8	41.0	42.3	43.5	44.8
102.5°	168.6	168.4	154.3	126.0	97.7	69.5	41.2	42.9	44.6	46.3	48.0
105°	231.0	233.3	212.1	169.7	127.4	85.0	42.6	44.3	46.0	47.7	49.4
107.5°	277.5	279.4	253.2	200.9	148.6	96.3	44.0	45.7	47.4	49.1	50.8
110°	322.5	324.1	301.7	256.8	212.0	167.1	122.3	106.8	91.2	75.7	60.2

TEST NUMBER: P1008375

CATALOG NUMBER: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	365.4	366.8	365.5	362.8	360.2	357.5	354.9	288.0	221.1	154.2	87.3
115°	412.3	413.6	415.5	419.4	423.3	427.1	431.0	359.1	287.3	215.4	143.5
117.5°	455.3	456.9	458.2	460.8	463.5	466.1	468.7	446.5	424.3	402.1	379.9
120°	498.3	499.5	500.9	503.7	506.5	509.3	512.1	513.9	515.8	517.6	519.5
122.5°	538.1	539.3	540.9	544.0	547.1	550.2	553.3	554.2	555.2	556.1	557.0
125°	576.0	577.0	578.5	581.4	584.4	587.3	590.3	591.4	592.5	593.6	594.7
127.5°	612.9	614.0	615.2	617.5	619.8	622.2	624.5	626.1	627.6	629.2	630.7
130°	648.5	649.7	650.6	652.3	654.0	655.7	657.4	659.1	660.8	662.5	664.2
132.5°	681.5	682.5	683.4	685.1	686.8	688.5	690.2	691.6	693.0	694.4	695.8
135°	712.7	713.9	714.6	716.0	717.4	718.8	720.2	721.8	723.3	724.9	726.4
137.5°	741.0	741.9	742.7	744.2	745.8	747.3	748.9	750.5	752.0	753.6	755.1
140°	768.5	769.1	770.0	771.7	773.4	775.1	776.8	778.2	779.6	781.0	782.4
142.5°	793.1	793.6	794.6	796.6	798.7	800.7	802.7	803.9	805.2	806.4	807.7
145°	814.6	814.5	815.8	818.5	821.1	823.8	826.4	827.5	828.6	829.7	830.8
147.5°	836.4	836.2	837.5	840.2	842.8	845.5	848.1	848.9	849.7	850.4	851.2
150°	856.3	855.8	857.0	859.5	862.0	864.4	866.9	867.8	868.8	869.7	870.6
152.5°	874.5	873.9	875.1	877.4	879.7	882.1	884.4	885.3	886.3	887.2	888.1
155°	892.1	891.4	892.3	894.2	896.1	897.9	899.8	900.7	901.7	902.6	903.5
157.5°	907.3	906.7	907.4	908.8	910.2	911.6	913.0	914.1	915.2	916.3	917.4
160°	921.2	920.7	921.2	922.1	923.0	924.0	924.9	925.8	926.8	927.7	928.6
162.5°	932.4	931.9	932.3	933.1	933.8	934.6	935.4	936.5	937.6	938.7	939.8
165°	942.2	941.7	941.9	942.4	942.9	943.3	943.8	944.9	946.0	947.1	948.2
167.5°	949.9	949.4	949.6	950.1	950.6	951.0	951.5	952.6	953.6	954.7	955.8
170°	956.1	955.6	955.8	956.1	956.4	956.7	957.0	958.1	959.2	960.3	961.4
172.5°	960.3	959.8	960.0	960.3	960.6	960.9	961.2	962.3	963.4	964.5	965.6
175°	963.1	962.6	962.8	963.1	963.4	963.7	964.0	965.1	966.2	967.3	968.4
177.5°	964.5	964.0	964.1	964.2	964.4	964.5	964.7	965.8	966.9	968.0	969.1
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

TEST NUMBER: P1008375

CATALOG NUMBER: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	609.1	608.2	605.6	606.4	605.1	605.1	604.2	604.2	604.2	606.4	605.1
5°	575.9	572.8	569.7	568.4	567.1	565.8	565.8	565.3	569.3	568.4	571.9
7.5°	534.8	533.9	527.7	527.7	525.5	524.6	526.8	527.3	527.7	528.6	530.8
10°	498.1	495.9	487.0	487.9	486.6	484.8	486.1	485.2	488.3	489.2	488.3
12.5°	454.7	450.7	441.0	436.1	430.8	426.9	431.7	428.2	440.6	444.1	453.8
15°	397.2	389.7	383.1	383.1	378.2	374.7	376.9	380.9	383.5	387.5	389.3
17.5°	358.7	355.6	350.3	347.2	345.9	344.6	344.6	346.4	352.1	351.7	355.2
20°	326.0	324.2	321.6	317.6	316.3	315.4	315.4	315.4	319.4	322.9	325.1
22.5°	303.4	302.1	300.3	295.0	292.4	291.5	293.7	295.0	298.1	300.8	303.0
25°	280.9	277.8	274.7	272.9	271.6	271.6	272.5	272.9	274.3	275.6	278.2
27.5°	262.3	260.1	255.7	250.8	250.8	249.5	250.4	251.2	254.3	258.8	261.0
30°	241.5	241.1	239.3	237.5	235.8	234.9	236.7	238.0	238.4	240.6	240.6
32.5°	226.5	223.4	220.3	218.5	217.6	217.2	217.6	219.4	219.4	222.1	225.2
35°	211.4	209.7	206.6	203.5	202.6	200.4	202.1	203.9	207.0	208.3	209.7
37.5°	195.1	192.9	191.5	190.6	188.9	189.3	188.0	190.6	193.3	192.9	193.7
40°	182.7	178.7	174.7	174.3	173.8	173.4	173.4	173.8	175.6	177.4	180.0
42.5°	166.8	165.4	161.9	158.4	157.5	156.6	155.7	157.5	161.0	164.1	165.4
45°	150.4	148.6	147.7	145.1	143.3	142.9	142.0	144.2	147.3	148.6	149.5
47.5°	135.4	134.9	132.3	132.7	131.4	131.8	131.4	132.7	132.7	134.0	134.9
50°	125.2	123.9	122.5	121.6	120.3	120.3	119.9	120.3	122.1	123.9	123.4
52.5°	115.0	112.8	112.4	111.9	111.0	111.9	110.6	111.0	112.8	113.7	113.2
55°	103.1	102.6	101.7	100.9	100.4	100.0	100.0	100.0	101.7	103.1	103.5
57.5°	93.8	91.6	89.8	89.8	88.0	87.6	88.5	88.9	90.2	91.1	92.0
60°	80.9	80.1	77.4	76.1	73.4	73.0	73.0	74.8	77.0	80.1	80.9
62.5°	67.2	65.9	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.9	65.9
65°	59.7	60.2	59.7	59.3	59.7	59.7	59.3	59.3	59.3	59.7	60.2
67.5°	53.5	53.1	53.5	53.1	52.6	52.6	52.2	52.6	53.1	53.5	53.5
70°	46.4	46.4	46.0	46.4	46.0	45.6	45.1	45.1	46.0	46.4	46.4
72.5°	39.8	39.8	39.4	39.4	38.5	38.5	38.9	38.5	38.5	39.8	39.8
75°	33.2	32.7	32.3	32.3	31.8	31.8	31.8	31.4	32.3	32.3	32.7
77.5°	26.1	26.1	26.1	25.7	25.7	25.2	25.2	25.7	25.7	25.7	26.1
80°	19.9	19.9	19.9	19.5	19.0	19.0	19.0	19.0	19.0	19.5	19.0
82.5°	13.7	13.7	13.7	13.7	13.7	13.3	13.3	13.3	13.7	13.7	13.3
85°	8.4	8.0	8.4	8.4	8.0	8.4	8.0	8.0	7.5	7.5	8.0
87.5°	3.5	3.1	2.7	2.7	3.1	2.7	2.7	2.7	3.1	2.7	2.7
90°	17.5	17.7	18.0	18.3	18.6	18.9	18.6	18.3	18.0	17.7	17.5
92.5°	18.2	18.3	18.4	18.6	18.7	18.9	18.7	18.6	18.4	18.3	18.2
95°	30.7	30.6	30.5	30.3	30.2	30.0	30.2	30.3	30.5	30.6	30.7
97.5°	37.7	37.8	37.9	38.1	38.2	38.4	38.2	38.1	37.9	37.8	37.7
100°	45.4	45.6	45.9	46.2	46.5	46.8	46.5	46.2	45.9	45.6	45.4
102.5°	48.9	49.1	49.6	50.1	50.5	51.0	50.5	50.1	49.6	49.1	48.9
105°	50.3	50.6	51.2	51.9	52.5	53.1	52.5	51.9	51.2	50.6	50.3
107.5°	51.7	52.0	52.6	53.3	53.9	54.5	53.9	53.3	52.6	52.0	51.7
110°	52.4	52.7	53.3	54.0	54.6	55.2	54.6	54.0	53.3	52.7	52.4

TEST NUMBER: P1008375

CATALOG NUMBER: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	53.8	54.0	54.5	55.0	55.4	55.9	55.4	55.0	54.5	54.0	53.8
115°	107.6	102.0	90.8	79.7	68.5	57.3	68.5	79.7	90.8	102.0	107.6
117.5°	368.8	348.5	307.8	267.1	226.5	185.8	226.5	267.1	307.8	348.5	368.8
120°	520.4	509.9	489.0	468.0	447.1	426.1	447.1	468.0	489.0	509.9	520.4
122.5°	557.5	557.6	557.7	557.9	558.0	558.2	558.0	557.9	557.7	557.6	557.5
125°	595.2	595.4	595.9	596.4	596.8	597.3	596.8	596.4	595.9	595.4	595.2
127.5°	631.5	631.6	631.7	631.9	632.0	632.2	632.0	631.9	631.7	631.6	631.5
130°	665.0	664.9	664.8	664.6	664.5	664.3	664.5	664.6	664.8	664.9	665.0
132.5°	696.5	696.4	696.3	696.1	696.0	695.8	696.0	696.1	696.3	696.4	696.5
135°	727.2	727.0	726.7	726.4	726.1	725.8	726.1	726.4	726.7	727.0	727.2
137.5°	755.9	755.7	755.2	754.7	754.3	753.8	754.3	754.7	755.2	755.7	755.9
140°	783.1	782.7	781.9	781.2	780.4	779.6	780.4	781.2	781.9	782.7	783.1
142.5°	808.3	807.9	807.1	806.4	805.6	804.8	805.6	806.4	807.1	807.9	808.3
145°	831.3	830.9	830.1	829.4	828.6	827.8	828.6	829.4	830.1	830.9	831.3
147.5°	851.6	851.3	850.7	850.0	849.4	848.8	849.4	850.0	850.7	851.3	851.6
150°	871.1	870.7	869.9	869.2	868.4	867.6	868.4	869.2	869.9	870.7	871.1
152.5°	888.6	888.1	887.0	885.9	884.8	883.7	884.8	885.9	887.0	888.1	888.6
155°	904.0	903.4	902.1	900.9	899.6	898.4	899.6	900.9	902.1	903.4	904.0
157.5°	917.9	917.3	916.0	914.8	913.5	912.3	913.5	914.8	916.0	917.3	917.9
160°	929.1	928.6	927.5	926.4	925.3	924.2	925.3	926.4	927.5	928.6	929.1
162.5°	940.3	939.6	938.2	936.8	935.4	934.0	935.4	936.8	938.2	939.6	940.3
165°	948.7	948.2	947.1	946.0	944.9	943.8	944.9	946.0	947.1	948.2	948.7
167.5°	956.3	955.6	954.2	952.9	951.5	950.1	951.5	952.9	954.2	955.6	956.3
170°	961.9	961.2	959.8	958.4	957.0	955.6	957.0	958.4	959.8	961.2	961.9
172.5°	966.1	965.4	964.0	962.6	961.2	959.8	961.2	962.6	964.0	965.4	966.1
175°	968.9	968.1	966.6	965.0	963.5	961.9	963.5	965.0	966.6	968.1	968.9
177.5°	969.6	968.9	967.5	966.1	964.7	963.3	964.7	966.1	967.5	968.9	969.6
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	606.4	608.7	607.8	602.9	607.8	609.1	611.8	614.4	616.2	618.8	621.0
5°	568.4	572.8	575.5	572.8	581.7	583.0	589.2	592.7	598.0	602.5	606.0
7.5°	532.6	536.1	541.4	542.3	547.6	553.8	562.7	571.5	579.9	584.3	588.3
10°	494.1	500.3	508.2	506.5	514.4	524.2	533.5	547.6	554.7	562.7	569.7
12.5°	455.6	459.6	470.2	473.7	485.2	492.8	505.6	514.4	532.1	541.4	547.6
15°	388.4	404.7	418.0	433.9	449.0	463.1	474.6	490.6	506.0	513.1	523.3
17.5°	357.9	365.4	373.3	381.3	400.8	426.0	446.3	463.6	476.8	486.1	498.1
20°	326.0	333.5	342.4	349.9	361.8	380.0	405.2	434.8	450.7	460.5	472.0
22.5°	303.4	310.5	316.3	322.9	332.2	345.5	364.5	401.2	422.4	434.4	444.6
25°	279.1	288.0	294.2	299.0	306.5	321.1	336.6	357.4	395.5	404.7	418.9
27.5°	262.3	265.0	272.0	279.6	287.1	295.0	311.0	328.7	354.3	374.7	391.9
30°	242.4	249.0	255.7	258.8	265.4	276.9	286.6	305.7	325.6	341.5	362.3
32.5°	227.4	231.3	235.8	243.3	249.5	257.4	267.2	283.1	299.9	310.1	326.0
35°	210.6	213.2	222.5	225.6	231.8	239.7	249.5	261.9	280.0	288.0	299.5
37.5°	194.6	200.8	203.5	210.6	216.3	224.3	231.3	245.5	257.4	266.7	277.3
40°	182.2	184.9	189.8	196.0	200.8	207.0	215.9	226.0	238.9	246.4	255.7
42.5°	167.2	169.4	175.6	179.1	187.1	192.9	198.2	210.6	222.1	227.8	237.1
45°	150.8	156.1	160.1	167.2	171.6	178.7	185.3	194.2	204.8	211.4	216.7
47.5°	136.7	142.0	146.0	152.6	159.7	162.8	169.9	179.1	188.9	194.2	201.7
50°	125.2	127.0	134.5	137.6	145.1	151.3	156.1	164.1	174.7	177.8	184.0
52.5°	114.1	115.5	120.3	124.3	130.9	136.2	142.4	150.0	158.8	163.7	168.5
55°	104.4	105.3	107.5	111.9	116.3	123.0	128.7	135.8	143.3	148.6	153.0
57.5°	93.3	95.1	96.9	99.5	104.0	110.1	116.3	123.0	129.2	132.7	138.5
60°	80.5	83.2	86.3	89.4	92.4	96.9	104.0	110.1	115.9	119.0	123.4
62.5°	66.8	72.1	74.8	78.3	80.9	84.9	90.2	97.3	101.3	105.3	108.8
65°	60.2	60.6	61.0	64.6	69.4	73.4	78.3	83.6	89.8	92.4	95.1
67.5°	53.5	54.0	54.9	55.3	57.1	61.5	66.8	72.5	77.4	79.2	81.8
70°	46.9	46.9	48.7	49.1	49.5	50.0	54.4	60.2	64.6	66.8	69.9
72.5°	39.8	40.3	41.1	41.6	42.5	43.3	44.7	47.8	53.1	55.3	58.8
75°	32.7	33.2	33.6	34.1	35.4	35.8	37.2	38.9	41.1	43.8	46.0
77.5°	26.1	26.1	26.5	27.4	28.3	28.8	30.1	31.0	31.8	33.2	34.9
80°	19.5	19.9	19.9	20.8	20.8	21.2	21.7	23.0	23.9	24.8	25.7
82.5°	13.3	14.2	14.2	14.2	14.6	15.0	15.5	15.5	16.4	16.8	18.1
85°	8.0	8.4	8.4	8.4	8.0	8.8	8.8	9.3	9.3	9.3	9.7
87.5°	3.1	2.7	3.1	3.1	3.1	3.5	3.1	3.1	3.5	4.0	4.0
90°	17.1	16.3	15.6	14.8	14.0	12.8	11.5	10.3	9.0	8.4	7.5
92.5°	18.0	17.7	17.4	17.1	16.8	16.3	15.9	15.4	14.9	14.7	15.0
95°	30.3	29.5	28.8	28.0	27.2	26.1	25.1	24.0	22.9	22.4	25.0
97.5°	37.5	37.0	36.5	36.1	35.6	33.1	30.7	28.2	25.7	24.5	30.9
100°	44.8	43.5	42.3	41.0	39.8	37.2	34.5	31.9	29.2	27.9	38.5
102.5°	48.0	46.3	44.6	42.9	41.2	69.5	97.7	126.0	154.3	168.4	168.6
105°	49.4	47.7	46.0	44.3	42.6	85.0	127.4	169.7	212.1	233.3	231.0
107.5°	50.8	49.1	47.4	45.7	44.0	96.3	148.6	200.9	253.2	279.4	277.5
110°	60.2	75.7	91.2	106.8	122.3	167.1	212.0	256.8	301.7	324.1	322.5

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	87.3	154.2	221.1	288.0	354.9	357.5	360.2	362.8	365.5	366.8	365.4
115°	143.5	215.4	287.3	359.1	431.0	427.1	423.3	419.4	415.5	413.6	412.3
117.5°	379.9	402.1	424.3	446.5	468.7	466.1	463.5	460.8	458.2	456.9	455.3
120°	519.5	517.6	515.8	513.9	512.1	509.3	506.5	503.7	500.9	499.5	498.3
122.5°	557.0	556.1	555.2	554.2	553.3	550.2	547.1	544.0	540.9	539.3	538.1
125°	594.7	593.6	592.5	591.4	590.3	587.3	584.4	581.4	578.5	577.0	576.0
127.5°	630.7	629.2	627.6	626.1	624.5	622.2	619.8	617.5	615.2	614.0	612.9
130°	664.2	662.5	660.8	659.1	657.4	655.7	654.0	652.3	650.6	649.7	648.5
132.5°	695.8	694.4	693.0	691.6	690.2	688.5	686.8	685.1	683.4	682.5	681.5
135°	726.4	724.9	723.3	721.8	720.2	718.8	717.4	716.0	714.6	713.9	712.7
137.5°	755.1	753.6	752.0	750.5	748.9	747.3	745.8	744.2	742.7	741.9	741.0
140°	782.4	781.0	779.6	778.2	776.8	775.1	773.4	771.7	770.0	769.1	768.5
142.5°	807.7	806.4	805.2	803.9	802.7	800.7	798.7	796.6	794.6	793.6	793.1
145°	830.8	829.7	828.6	827.5	826.4	823.8	821.1	818.5	815.8	814.5	814.6
147.5°	851.2	850.4	849.7	848.9	848.1	845.5	842.8	840.2	837.5	836.2	836.4
150°	870.6	869.7	868.8	867.8	866.9	864.4	862.0	859.5	857.0	855.8	856.3
152.5°	888.1	887.2	886.3	885.3	884.4	882.1	879.7	877.4	875.1	873.9	874.5
155°	903.5	902.6	901.7	900.7	899.8	897.9	896.1	894.2	892.3	891.4	892.1
157.5°	917.4	916.3	915.2	914.1	913.0	911.6	910.2	908.8	907.4	906.7	907.3
160°	928.6	927.7	926.8	925.8	924.9	924.0	923.0	922.1	921.2	920.7	921.2
162.5°	939.8	938.7	937.6	936.5	935.4	934.6	933.8	933.1	932.3	931.9	932.4
165°	948.2	947.1	946.0	944.9	943.8	943.3	942.9	942.4	941.9	941.7	942.2
167.5°	955.8	954.7	953.6	952.6	951.5	951.0	950.6	950.1	949.6	949.4	949.9
170°	961.4	960.3	959.2	958.1	957.0	956.7	956.4	956.1	955.8	955.6	956.1
172.5°	965.6	964.5	963.4	962.3	961.2	960.9	960.6	960.3	960.0	959.8	960.3
175°	968.4	967.3	966.2	965.1	964.0	963.7	963.4	963.1	962.8	962.6	963.1
177.5°	969.1	968.0	966.9	965.8	964.7	964.5	964.4	964.2	964.1	964.0	964.5
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

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CATALOG NUMBER: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	636.5	636.5	636.5	636.5
2.5°	625.0	623.7	631.7	640.5
5°	612.2	614.4	624.6	637.0
7.5°	598.9	603.8	615.7	632.1
10°	580.4	589.2	607.3	624.1
12.5°	562.2	574.2	591.4	611.3
15°	541.9	555.1	576.4	600.3
17.5°	519.3	534.3	559.1	585.2
20°	495.4	515.3	541.4	569.7
22.5°	468.9	492.8	519.8	551.2
25°	443.2	469.3	496.3	532.6
27.5°	418.0	443.7	473.7	510.5
30°	392.8	416.2	448.5	487.9
32.5°	365.8	390.1	424.2	464.5
35°	341.0	365.4	397.2	437.0
37.5°	314.5	340.6	371.1	412.3
40°	283.5	314.1	343.7	383.1
42.5°	257.9	290.2	318.9	356.1
45°	237.5	268.1	291.9	328.2
47.5°	218.5	243.3	267.6	301.2
50°	200.4	219.4	244.6	274.7
52.5°	181.8	198.2	219.8	248.2
55°	165.0	180.5	199.9	221.6
57.5°	149.5	160.6	180.0	199.5
60°	132.3	143.8	158.8	175.2
62.5°	117.7	126.5	140.7	154.4
65°	102.2	110.6	121.2	134.0
67.5°	88.0	95.5	104.0	114.1
70°	75.2	80.9	87.1	96.0
72.5°	61.5	67.7	73.4	80.5
75°	50.4	53.1	57.9	62.8
77.5°	38.9	42.5	45.1	49.1
80°	27.9	31.0	31.8	34.9
82.5°	18.6	20.3	22.1	23.0
85°	10.6	11.5	13.3	13.7
87.5°	4.0	4.4	5.3	6.2
90°	5.8	4.1	2.4	0.7
92.5°	15.6	16.3	16.9	17.5
95°	30.1	35.2	40.3	45.4
97.5°	43.6	56.3	69.0	81.7
100°	59.8	81.1	102.3	123.6
102.5°	168.9	169.2	169.5	169.8
105°	226.3	221.7	217.0	212.4
107.5°	273.6	269.7	265.9	262.0
110°	319.2	316.0	312.7	309.5

TEST NUMBER: P1008375

CATALOG NUMBER: S122RDIP-B290D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	362.6	359.8	357.0	354.2
115°	409.6	407.0	404.3	401.7
117.5°	452.2	449.1	446.0	442.9
120°	496.0	493.7	491.3	489.0
122.5°	535.6	533.1	530.6	528.1
125°	574.0	571.9	569.9	567.9
127.5°	610.8	608.6	606.5	604.3
130°	646.0	643.5	641.0	638.5
132.5°	679.5	677.4	675.4	673.4
135°	710.2	707.7	705.3	702.8
137.5°	739.1	737.2	735.4	733.5
140°	767.2	766.0	764.7	763.5
142.5°	792.0	790.9	789.8	788.7
145°	814.7	814.9	815.0	815.2
147.5°	836.9	837.4	837.8	838.3
150°	857.4	858.5	859.5	860.6
152.5°	875.8	877.0	878.3	879.5
155°	893.5	894.9	896.3	897.7
157.5°	908.6	909.8	911.1	912.3
160°	922.1	923.0	924.0	924.9
162.5°	933.3	934.2	935.2	936.1
165°	943.1	944.0	945.0	945.9
167.5°	950.8	951.7	952.7	953.6
170°	957.0	957.9	958.9	959.8
172.5°	961.2	962.1	963.1	964.0
175°	964.2	965.3	966.4	967.5
177.5°	965.6	966.7	967.8	968.9
180°	965.4	965.4	965.4	965.4

(END OF REPORT)