

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: P1026891

Luminaire Tested: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1026891
REPORT IS A COMBINATION OF REPORTS P1002070 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K
Description: Define 5 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

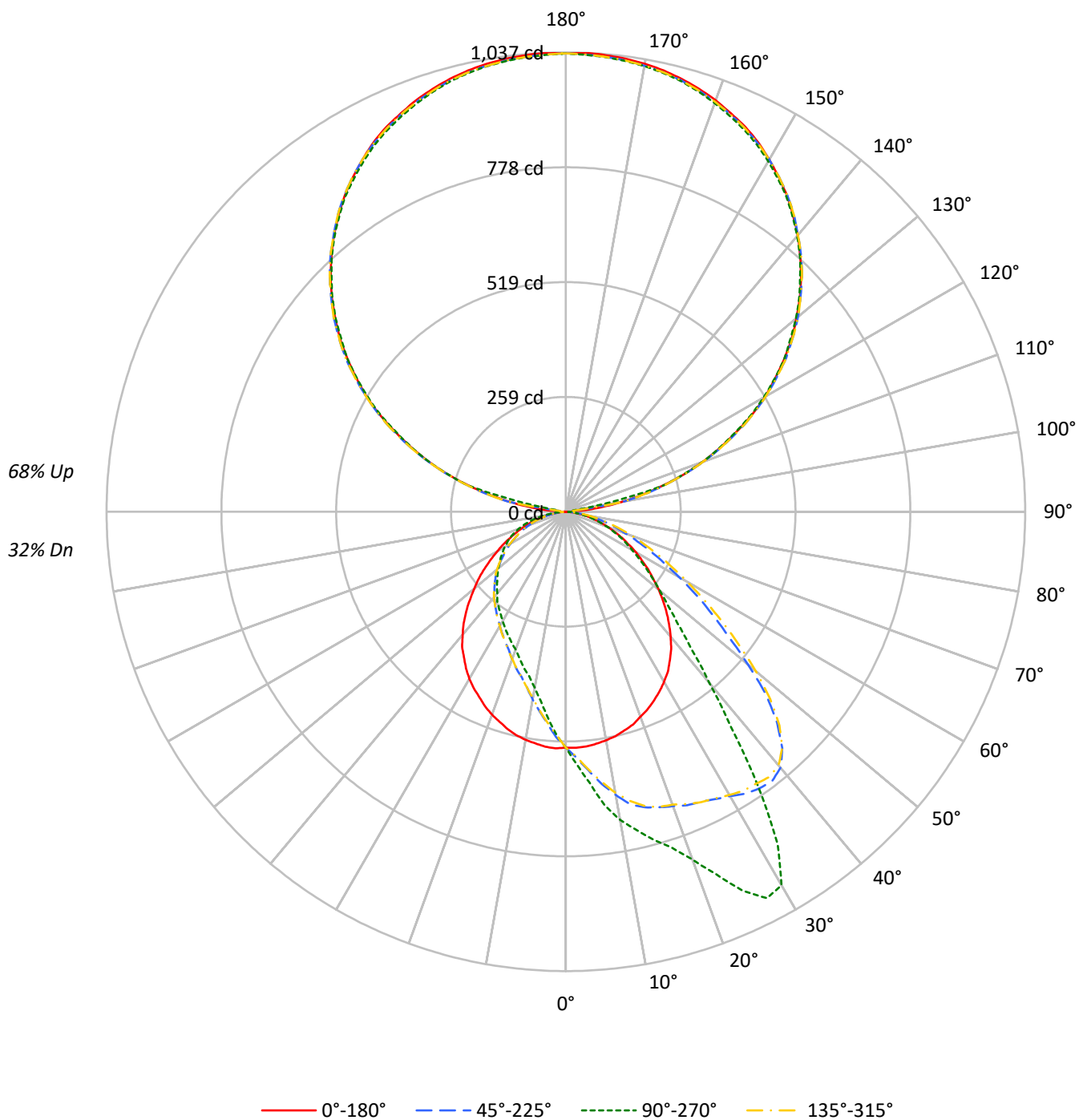
Lumens per Lamp: N/A
Luminaire Lumens: 4682.0 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	103	103	103	103	93	93	93	93	73	73	73	56	56	56	40	40	40	40	40	32
1	94	90	86	83	84	81	78	75	64	62	60	49	48	47	35	34	34	34	34	27
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29	29	29	23
3	78	69	62	56	70	62	56	52	50	46	42	38	36	33	28	26	24	24	24	20
4	71	61	53	48	64	55	49	44	44	40	36	34	31	28	25	23	21	21	21	17
5	65	54	47	41	59	49	43	37	40	35	31	31	27	25	22	20	18	18	18	15
6	60	49	41	35	54	44	37	32	36	31	27	28	24	22	20	18	16	16	16	13
7	56	44	36	31	50	40	33	28	32	27	24	25	22	19	18	16	14	14	14	12
8	52	40	32	27	46	36	30	25	29	24	21	23	19	17	17	15	13	13	13	10
9	48	36	29	24	43	33	26	22	27	22	19	21	18	15	16	13	12	12	12	9
10	45	33	26	21	40	30	24	20	25	20	17	19	16	14	14	12	10	10	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3410	3410	3410	3410
5°	3413	3869	3416	2935
10°	3392	4409	3386	2519
15°	3367	4781	3347	2277
20°	3325	5239	3294	2078
25°	3287	6003	3227	1961
30°	3233	6333	3177	1854
35°	3147	5077	3081	1769
40°	3013	3509	2969	1679
45°	2844	2613	2812	1603
50°	2650	2151	2607	1544
55°	2442	1834	2422	1491
60°	2237	1570	2197	1452
65°	2016	1356	1983	1392
70°	1783	1126	1758	1290
75°	1535	870	1515	1119
80°	1212	589	1167	823
85°	778	294	749	419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 5209 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	1.1
10°-20°	152.6	3.3
20°-30°	247.9	5.3
30°-40°	302.9	6.5
40°-50°	274.8	5.9
50°-60°	218.9	4.7
60°-70°	152.4	3.3
70°-80°	81.2	1.7
80°-90°	21.7	0.5
90°-100°	35.1	0.8
100°-110°	233.5	5.0
110°-120°	420.5	9.0
120°-130°	539.8	11.5
130°-140°	580.6	12.4
140°-150°	544.9	11.6
150°-160°	440.7	9.4
160°-170°	285.0	6.1
170°-180°	98.3	2.1
0°-30°	451.7	9.6
0°-40°	754.6	16.1
0°-60°	1248.2	26.7
0°-90°	1503.5	32.1
90°-120°	689.2	14.7
90°-150°	2354.4	50.3
90°-180°	3178.0	67.9
0°-180°	4682.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	532	532	532	532	532	
5°	532	614	532	466	532	50
15°	511	767	508	365	511	144
25°	470	944	462	308	470	217
35°	409	757	401	264	409	256
45°	322	357	318	219	322	248
55°	226	220	225	179	226	202
65°	140	135	138	139	140	139
75°	68	66	67	85	68	72
85°	14	15	13	21	14	16
90°	1	18	1	18	1	3
95°	44	16	44	16	44	54
105°	226	228	226	228	226	239
115°	423	420	423	420	423	420
125°	602	602	602	602	602	538
135°	751	748	751	748	751	579
145°	871	868	871	868	871	544
155°	959	952	959	952	959	442
165°	1012	1006	1012	1006	1012	286
175°	1035	1030	1035	1030	1035	99
180°	1035	1035	1035	1035	1035	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3
2.5°	533.2	536.3	540.0	542.7	547.2	548.5	550.8	552.2	553.5	554.9	555.8
5°	531.8	539.5	546.3	551.3	559.8	563.0	567.1	572.0	577.9	582.9	586.0
7.5°	528.2	540.4	549.4	559.4	571.1	578.8	582.9	593.3	602.8	610.0	619.5
10°	523.7	538.1	552.2	567.1	583.8	592.4	600.5	615.0	628.1	639.8	649.3
12.5°	518.7	536.3	553.1	572.5	595.1	605.5	610.9	635.7	652.0	658.3	676.9
15°	511.0	531.8	555.8	579.7	598.7	610.9	625.8	645.7	662.0	676.0	690.9
17.5°	503.8	526.4	550.8	577.5	605.0	620.8	632.1	649.8	667.4	685.4	699.5
20°	492.1	521.4	546.3	574.7	607.3	618.6	630.3	651.1	670.1	689.5	707.1
22.5°	482.6	510.6	544.5	571.6	599.1	610.4	624.9	646.6	669.2	691.3	717.1
25°	470.4	501.5	530.9	559.8	588.3	600.5	613.6	641.6	665.1	693.6	722.0
27.5°	457.3	489.3	518.7	544.9	571.6	588.3	602.3	631.7	662.9	694.0	731.1
30°	443.3	473.5	501.5	527.3	556.7	573.8	587.9	622.2	657.0	696.7	741.0
32.5°	428.3	456.8	480.8	507.0	538.1	554.0	572.9	610.4	651.6	699.0	754.6
35°	409.4	436.5	457.7	484.4	515.6	535.9	555.8	597.8	645.7	698.6	762.3
37.5°	390.4	411.6	432.0	460.4	496.6	515.1	535.9	582.0	636.7	697.2	765.4
40°	367.8	388.6	406.2	435.1	473.1	494.3	516.0	564.4	626.3	692.2	754.1
42.5°	345.2	362.8	382.3	412.5	449.1	471.7	494.8	548.5	612.7	677.8	723.0
45°	321.7	335.3	356.5	384.1	422.9	444.6	470.8	529.1	593.7	651.6	674.2
47.5°	297.3	310.9	330.8	357.4	395.8	421.6	446.4	504.7	569.8	614.5	614.5
50°	273.8	284.7	304.1	330.8	369.6	393.1	418.4	480.3	532.7	565.7	536.3
52.5°	248.5	260.7	277.0	305.0	343.4	364.6	392.2	445.1	494.8	508.3	463.1
55°	226.4	236.3	251.7	278.3	314.0	336.2	359.7	410.3	452.3	451.4	403.0
57.5°	203.3	211.5	227.7	252.1	285.1	305.0	328.5	372.3	406.7	394.5	348.8
60°	182.1	188.0	203.8	223.7	255.3	273.8	296.4	332.1	358.3	341.1	295.1
62.5°	160.0	166.7	179.4	198.8	226.8	241.7	258.5	294.6	311.3	296.0	249.0
65°	140.1	145.5	156.8	173.1	198.4	211.9	226.4	256.2	272.0	249.9	211.0
67.5°	120.2	126.5	134.6	149.1	169.0	181.6	194.3	220.0	227.3	207.4	174.9
70°	101.7	107.1	114.8	125.2	141.9	153.2	162.7	183.9	188.9	170.3	144.6
72.5°	83.6	87.2	93.5	102.1	117.5	123.8	133.7	148.2	154.5	137.8	119.3
75°	67.8	70.5	74.6	80.9	91.3	98.1	106.2	119.7	119.3	107.5	94.4
77.5°	52.4	52.9	57.4	63.3	69.6	75.5	79.5	89.0	89.9	82.7	71.8
80°	37.5	38.9	40.7	45.2	50.6	52.9	57.8	63.7	64.6	59.2	52.0
82.5°	23.9	24.9	26.2	28.9	32.5	35.2	38.0	40.2	42.5	39.3	33.4
85°	13.6	14.0	15.4	16.3	18.1	19.4	21.7	23.9	23.5	21.2	19.4
87.5°	6.8	6.8	6.8	7.7	8.6	8.6	9.5	9.9	10.4	9.5	8.6
90°	0.8	2.2	3.5	4.9	6.2	6.9	7.5	8.7	9.9	11.1	12.3
92.5°	14.6	13.1	11.5	10.0	8.5	7.7	8.2	9.2	10.3	11.3	12.3
95°	43.7	43.2	42.7	42.2	41.7	41.4	38.2	31.7	25.2	18.8	12.3
97.5°	82.1	83.1	84.1	85.2	86.2	86.7	78.6	62.4	46.2	30.0	13.8
100°	128.1	128.6	129.1	129.6	130.1	130.4	130.7	131.4	132.1	132.8	133.5
102.5°	174.9	175.6	176.3	177.0	177.7	178.0	178.2	178.5	178.8	179.2	179.5
105°	225.5	226.2	226.9	227.6	228.3	228.6	228.6	228.6	228.6	228.6	228.6
107.5°	277.7	277.7	277.7	277.7	277.7	277.7	277.9	278.2	278.5	278.9	279.2
110°	328.3	328.3	328.3	328.3	328.3	328.3	328.5	328.8	329.1	329.5	329.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	375.8	376.3	376.8	377.3	377.8	378.1	378.2	378.4	378.5	378.7	378.9
115°	423.4	424.2	425.1	425.9	426.8	427.2	427.3	427.5	427.6	427.8	428.0
117.5°	473.3	473.3	473.3	473.3	473.3	473.3	473.6	474.3	475.0	475.6	476.3
120°	519.3	519.1	518.9	518.8	518.6	518.5	518.8	519.3	519.8	520.3	520.8
122.5°	559.9	560.8	561.6	562.5	563.4	563.8	563.9	564.0	564.2	564.3	564.5
125°	602.1	603.3	604.5	605.7	606.9	607.5	607.5	607.5	607.5	607.5	607.5
127.5°	642.8	643.6	644.5	645.3	646.2	646.6	646.5	646.3	646.2	646.0	645.8
130°	679.6	680.4	681.3	682.1	683.0	683.4	683.5	683.7	683.8	684.0	684.2
132.5°	716.4	717.4	718.4	719.5	720.5	721.0	720.7	720.2	719.7	719.2	718.7
135°	750.9	751.9	752.9	754.0	755.0	755.5	755.3	755.0	754.7	754.3	754.0
137.5°	783.1	784.1	785.1	786.2	787.2	787.7	787.5	787.2	786.9	786.5	786.2
140°	814.6	814.9	815.3	815.6	815.9	816.1	816.0	815.9	815.7	815.6	815.4
142.5°	843.0	843.2	843.3	843.5	843.6	843.7	843.9	844.2	844.6	844.9	845.3
145°	870.6	870.9	871.3	871.6	871.9	872.1	872.1	872.1	872.1	872.1	872.1
147.5°	895.1	895.1	895.1	895.1	895.1	895.1	895.2	895.4	895.5	895.7	895.9
150°	918.1	917.8	917.4	917.1	916.8	916.6	916.8	917.1	917.4	917.8	918.1
152.5°	940.4	939.5	938.7	937.8	936.9	936.5	936.7	937.0	937.4	937.7	938.1
155°	958.8	957.8	956.8	955.7	954.7	954.2	954.4	954.7	955.0	955.4	955.7
157.5°	973.4	972.9	972.4	971.9	971.4	971.1	971.1	971.1	971.1	971.1	971.1
160°	988.7	987.7	986.7	985.6	984.6	984.1	984.2	984.4	984.5	984.7	984.9
162.5°	1001.0	1000.0	999.0	997.9	996.9	996.4	996.5	996.6	996.8	996.9	997.1
165°	1011.7	1010.7	1009.7	1008.6	1007.6	1007.1	1007.2	1007.4	1007.5	1007.7	1007.9
167.5°	1020.2	1019.2	1018.2	1017.1	1016.1	1015.6	1015.7	1015.8	1016.0	1016.1	1016.3
170°	1027.1	1025.9	1024.7	1023.5	1022.3	1021.7	1021.8	1022.0	1022.1	1022.3	1022.5
172.5°	1031.7	1030.5	1029.3	1028.1	1026.9	1026.3	1026.5	1026.8	1027.1	1027.5	1027.8
175°	1034.7	1033.7	1032.7	1031.6	1030.6	1030.1	1030.2	1030.4	1030.5	1030.7	1030.9
177.5°	1037.0	1036.0	1035.0	1033.9	1032.9	1032.4	1032.5	1032.7	1032.8	1033.0	1033.2
180°	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3
2.5°	556.7	559.8	562.5	564.8	566.6	569.3	567.5	568.0	568.9	570.7	570.7
5°	592.8	597.8	600.5	609.5	611.8	611.3	610.0	617.2	616.8	614.1	613.6
7.5°	628.1	636.7	644.3	651.6	653.8	659.7	661.0	664.2	663.3	667.8	665.6
10°	660.1	673.7	680.9	691.8	694.5	697.2	700.8	702.6	706.7	706.2	706.2
12.5°	685.0	701.3	710.8	713.5	723.9	727.0	730.2	736.1	734.7	735.2	737.9
15°	704.4	720.2	728.4	741.0	748.3	751.9	757.3	763.6	762.7	766.8	765.9
17.5°	718.9	733.8	748.7	767.7	768.1	777.6	790.3	793.0	798.9	794.8	794.8
20°	730.6	750.5	771.8	796.2	798.9	804.7	820.1	830.5	837.3	835.0	836.4
22.5°	743.3	771.8	796.6	821.0	834.1	844.5	859.4	875.7	881.6	885.2	884.3
25°	759.6	789.4	826.0	859.9	873.4	893.3	913.2	929.0	933.5	943.5	934.4
27.5°	776.3	818.3	863.9	903.7	920.9	937.1	961.1	972.8	978.7	983.2	980.1
30°	790.3	848.1	897.8	934.4	946.6	956.1	969.7	972.4	970.1	973.7	978.2
32.5°	812.0	868.4	910.5	928.1	926.7	926.3	915.9	901.4	898.3	889.7	901.4
35°	823.7	868.9	885.2	861.7	852.2	835.0	802.0	780.3	761.4	757.3	758.2
37.5°	816.9	834.6	815.1	753.2	737.9	711.7	667.8	637.1	623.1	612.3	626.3
40°	780.3	760.9	707.6	632.1	610.0	585.1	544.0	527.3	507.4	503.4	521.9
42.5°	719.8	660.6	585.1	526.9	503.8	489.8	455.5	439.6	425.6	419.3	429.7
45°	637.6	565.7	489.8	441.9	422.5	405.8	385.4	368.7	359.7	357.0	365.5
47.5°	552.6	476.7	416.1	380.5	360.1	347.5	328.5	319.0	311.8	312.7	314.0
50°	471.3	402.1	355.6	319.9	310.0	300.0	287.4	279.2	275.6	277.0	276.1
52.5°	401.2	345.2	305.9	278.3	273.8	264.3	253.9	247.2	245.8	246.3	247.6
55°	339.8	296.0	264.8	244.9	239.9	233.2	226.8	222.3	218.7	220.0	219.6
57.5°	293.2	254.8	230.9	214.6	211.0	206.9	201.1	198.8	197.5	194.7	197.0
60°	252.1	221.0	200.2	190.2	187.1	184.4	178.0	175.3	174.4	173.1	176.7
62.5°	213.3	191.1	175.3	166.3	163.1	160.4	157.2	155.0	155.4	153.6	155.4
65°	182.5	164.5	153.2	145.0	141.0	139.2	138.7	135.1	134.6	135.1	135.6
67.5°	154.1	138.7	130.1	125.2	122.0	120.2	118.8	116.6	118.4	117.0	117.9
70°	128.3	117.9	108.9	103.9	102.6	103.0	100.8	99.9	100.3	99.4	100.3
72.5°	103.5	94.9	91.3	87.7	85.9	85.4	84.0	82.7	84.0	83.6	83.6
75°	82.7	76.4	72.3	70.0	70.0	69.1	66.9	66.9	66.9	66.4	66.9
77.5°	63.7	58.3	56.5	54.2	54.2	52.9	52.4	52.4	51.5	52.9	52.0
80°	47.4	43.4	40.7	39.3	39.3	38.9	38.0	37.5	38.0	37.5	37.5
82.5°	30.7	28.9	27.6	26.2	25.8	26.2	25.8	24.9	25.3	24.9	25.8
85°	17.6	15.8	15.8	14.9	15.4	14.5	14.9	14.0	13.6	14.9	14.0
87.5°	7.7	7.2	7.2	6.3	6.3	6.3	5.9	6.3	5.9	5.4	5.9
90°	13.1	14.0	14.8	15.7	16.1	16.4	16.9	17.4	17.9	18.4	17.9
92.5°	13.1	14.0	14.8	15.7	16.1	16.2	16.4	16.5	16.7	16.9	16.7
95°	13.1	14.0	14.8	15.7	16.1	16.1	16.1	16.1	16.1	16.1	16.1
97.5°	14.1	14.5	14.8	15.1	15.3	15.4	15.6	15.7	15.9	16.1	15.9
100°	108.1	82.7	57.3	31.9	19.2	18.9	18.2	17.5	16.8	16.1	16.8
102.5°	179.8	180.2	180.5	180.8	181.0	173.8	159.5	145.2	130.9	116.6	130.9
105°	228.6	228.6	228.6	228.6	228.6	228.5	228.3	228.2	228.0	227.8	228.0
107.5°	279.4	279.6	279.7	279.9	280.0	279.7	279.0	278.3	277.6	276.9	277.6
110°	329.3	328.8	328.3	327.8	327.5	327.6	327.8	327.9	328.1	328.3	328.1

TEST NUMBER: P1026891

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	378.2	377.5	376.8	376.1	375.8	375.6	375.3	375.0	374.6	374.3	374.6
115°	427.3	426.6	425.9	425.2	424.9	424.4	423.4	422.3	421.3	420.3	421.3
117.5°	475.3	474.3	473.2	472.2	471.7	471.5	471.2	470.9	470.5	470.2	470.5
120°	520.5	520.1	519.8	519.5	519.3	518.9	518.0	517.1	516.3	515.4	516.3
122.5°	564.2	563.8	563.5	563.2	563.0	562.5	561.5	560.4	559.4	558.4	559.4
125°	606.8	606.1	605.4	604.7	604.4	604.1	603.6	603.1	602.6	602.1	602.6
127.5°	645.5	645.1	644.8	644.5	644.3	643.6	642.3	640.9	639.6	638.2	639.6
130°	683.7	683.2	682.7	682.2	681.9	681.5	680.6	679.8	678.9	678.1	678.9
132.5°	718.7	718.7	718.7	718.7	718.7	718.3	717.4	716.6	715.7	714.9	715.7
135°	753.7	753.3	753.0	752.7	752.5	752.0	751.0	749.9	748.9	747.9	748.9
137.5°	786.2	786.2	786.2	786.2	786.2	785.8	784.9	784.1	783.2	782.4	783.2
140°	815.7	816.1	816.4	816.7	816.9	816.4	815.4	814.3	813.3	812.3	813.3
142.5°	845.3	845.3	845.3	845.3	845.3	844.8	843.8	842.7	841.7	840.7	841.7
145°	872.3	872.5	872.6	872.8	872.9	872.4	871.4	870.3	869.3	868.3	869.3
147.5°	896.1	896.3	896.4	896.6	896.7	896.1	894.9	893.7	892.5	891.3	892.5
150°	918.5	918.8	919.2	919.5	919.7	919.0	917.6	916.3	914.9	913.5	914.9
152.5°	938.4	938.8	939.1	939.4	939.6	939.0	937.8	936.6	935.4	934.2	935.4
155°	956.2	956.7	957.2	957.7	958.0	957.3	956.0	954.6	953.3	951.9	953.3
157.5°	971.6	972.1	972.6	973.1	973.4	972.7	971.3	970.0	968.6	967.2	968.6
160°	985.6	986.2	986.9	987.6	987.9	987.2	985.9	984.5	983.2	981.8	983.2
162.5°	998.1	999.1	1000.2	1001.2	1001.7	1000.9	999.4	997.9	996.3	994.8	996.3
165°	1008.9	1009.9	1011.0	1012.0	1012.5	1011.8	1010.4	1009.1	1007.7	1006.3	1007.7
167.5°	1017.5	1018.7	1019.9	1021.1	1021.7	1020.9	1019.4	1017.9	1016.3	1014.8	1016.3
170°	1023.9	1025.2	1026.6	1027.9	1028.6	1027.8	1026.3	1024.8	1023.2	1021.7	1023.2
172.5°	1029.0	1030.2	1031.4	1032.6	1033.2	1032.4	1030.9	1029.4	1027.8	1026.3	1027.8
175°	1032.3	1033.6	1035.0	1036.3	1037.0	1036.2	1034.7	1033.2	1031.6	1030.1	1031.6
177.5°	1034.4	1035.6	1036.8	1038.0	1038.6	1037.9	1036.5	1035.2	1033.8	1032.4	1033.8
180°	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7

TEST NUMBER: P1026891

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3
2.5°	569.8	566.6	567.5	566.6	564.4	563.0	559.4	554.9	553.1	550.8	549.4
5°	615.4	613.2	612.7	609.1	608.2	602.8	593.7	589.2	583.8	578.4	572.9
7.5°	665.1	662.4	653.4	652.0	652.9	646.1	634.4	625.4	614.1	606.4	596.0
10°	706.2	700.8	693.1	693.6	690.4	681.4	669.6	660.1	643.9	633.9	619.0
12.5°	731.1	726.6	725.7	721.1	718.4	706.7	692.7	680.5	668.3	654.7	643.4
15°	761.4	755.5	751.4	745.1	743.3	731.1	715.7	701.7	687.7	675.1	651.1
17.5°	794.8	788.5	773.1	771.8	760.9	749.2	734.2	713.5	698.6	680.5	662.9
20°	832.8	823.7	803.8	798.9	790.3	770.8	750.5	727.5	703.5	685.0	664.2
22.5°	875.2	859.4	845.0	829.1	822.8	798.9	770.8	742.8	713.9	688.6	663.8
25°	930.3	909.6	889.2	873.4	862.6	831.4	793.9	756.8	723.4	690.4	657.9
27.5°	973.7	955.7	933.5	912.7	898.7	861.7	818.7	770.8	729.3	689.1	654.3
30°	976.9	971.5	957.9	946.6	931.3	891.5	844.0	789.8	738.3	689.5	647.0
32.5°	917.7	928.5	934.4	936.2	933.1	910.0	866.6	807.0	746.4	685.4	640.7
35°	790.3	819.2	854.9	868.4	881.6	893.8	871.2	819.2	749.2	684.5	630.8
37.5°	650.7	676.9	736.1	763.2	778.5	826.9	845.4	817.4	754.6	685.4	621.3
40°	525.0	566.6	609.1	645.7	669.6	723.9	781.2	787.6	746.9	676.9	609.1
42.5°	441.9	466.3	498.4	532.3	553.5	617.7	695.4	741.0	723.0	662.9	594.2
45°	376.4	394.5	424.7	436.0	463.1	524.6	606.8	672.8	681.8	640.7	577.0
47.5°	323.1	338.4	357.9	371.9	393.6	439.6	509.2	582.0	625.4	610.4	553.1
50°	284.7	297.3	313.6	321.7	335.7	377.3	429.7	502.0	560.3	565.3	521.9
52.5°	252.6	259.8	272.5	281.5	292.8	318.1	365.5	425.2	490.7	517.8	483.5
55°	224.6	230.4	241.7	247.6	253.5	275.2	312.2	366.4	427.9	463.6	444.2
57.5°	199.3	204.2	213.7	219.1	222.3	243.1	271.6	314.0	369.2	412.5	401.7
60°	178.5	183.0	188.4	192.5	196.1	213.3	233.2	267.5	316.7	358.8	356.1
62.5°	156.3	160.4	166.3	170.3	173.5	184.4	201.1	227.3	269.3	308.2	315.8
65°	136.9	140.1	144.1	145.9	150.0	158.1	171.7	195.2	229.5	264.3	269.8
67.5°	119.3	120.2	122.9	127.0	127.9	135.1	147.3	164.9	191.6	220.0	228.6
70°	100.3	101.7	103.9	107.1	108.9	113.4	123.8	135.6	158.6	183.4	189.8
72.5°	83.6	85.4	86.3	88.1	89.0	96.2	100.8	112.5	128.3	149.1	155.9
75°	67.8	69.6	70.0	70.9	71.8	75.0	81.3	88.6	101.7	115.2	124.3
77.5°	53.8	53.3	54.2	55.6	55.1	57.8	61.9	68.2	76.8	88.1	94.0
80°	38.0	38.0	39.3	40.7	40.2	42.9	44.3	48.8	56.0	63.3	65.5
82.5°	25.3	25.3	26.7	26.7	27.6	28.0	29.8	32.1	38.0	41.6	42.9
85°	14.5	14.5	14.9	14.9	14.9	15.8	17.2	18.1	19.9	22.1	23.0
87.5°	5.9	6.3	6.3	6.3	6.3	7.2	7.2	8.1	8.6	9.5	9.5
90°	17.4	16.9	16.4	16.1	15.7	14.8	14.0	13.1	12.3	11.1	9.9
92.5°	16.5	16.4	16.2	16.1	15.7	14.8	14.0	13.1	12.3	11.3	10.3
95°	16.1	16.1	16.1	16.1	15.7	14.8	14.0	13.1	12.3	18.8	25.2
97.5°	15.7	15.6	15.4	15.3	15.1	14.8	14.5	14.1	13.8	30.0	46.2
100°	17.5	18.2	18.9	19.2	31.9	57.3	82.7	108.1	133.5	132.8	132.1
102.5°	145.2	159.5	173.8	181.0	180.8	180.5	180.2	179.8	179.5	179.2	178.8
105°	228.2	228.3	228.5	228.6	228.6	228.6	228.6	228.6	228.6	228.6	228.6
107.5°	278.3	279.0	279.7	280.0	279.9	279.7	279.6	279.4	279.2	278.9	278.5
110°	327.9	327.8	327.6	327.5	327.8	328.3	328.8	329.3	329.8	329.5	329.1

TEST NUMBER: P1026891

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	375.0	375.3	375.6	375.8	376.1	376.8	377.5	378.2	378.9	378.7	378.5
115°	422.3	423.4	424.4	424.9	425.2	425.9	426.6	427.3	428.0	427.8	427.6
117.5°	470.9	471.2	471.5	471.7	472.2	473.2	474.3	475.3	476.3	475.6	475.0
120°	517.1	518.0	518.9	519.3	519.5	519.8	520.1	520.5	520.8	520.3	519.8
122.5°	560.4	561.5	562.5	563.0	563.2	563.5	563.8	564.2	564.5	564.3	564.2
125°	603.1	603.6	604.1	604.4	604.7	605.4	606.1	606.8	607.5	607.5	607.5
127.5°	640.9	642.3	643.6	644.3	644.5	644.8	645.1	645.5	645.8	646.0	646.2
130°	679.8	680.6	681.5	681.9	682.2	682.7	683.2	683.7	684.2	684.0	683.8
132.5°	716.6	717.4	718.3	718.7	718.7	718.7	718.7	718.7	718.7	719.2	719.7
135°	749.9	751.0	752.0	752.5	752.7	753.0	753.3	753.7	754.0	754.3	754.7
137.5°	784.1	784.9	785.8	786.2	786.2	786.2	786.2	786.2	786.2	786.5	786.9
140°	814.3	815.4	816.4	816.9	816.7	816.4	816.1	815.7	815.4	815.6	815.7
142.5°	842.7	843.8	844.8	845.3	845.3	845.3	845.3	845.3	845.3	844.9	844.6
145°	870.3	871.4	872.4	872.9	872.8	872.6	872.5	872.3	872.1	872.1	872.1
147.5°	893.7	894.9	896.1	896.7	896.6	896.4	896.3	896.1	895.9	895.7	895.5
150°	916.3	917.6	919.0	919.7	919.5	919.2	918.8	918.5	918.1	917.8	917.4
152.5°	936.6	937.8	939.0	939.6	939.4	939.1	938.8	938.4	938.1	937.7	937.4
155°	954.6	956.0	957.3	958.0	957.7	957.2	956.7	956.2	955.7	955.4	955.0
157.5°	970.0	971.3	972.7	973.4	973.1	972.6	972.1	971.6	971.1	971.1	971.1
160°	984.5	985.9	987.2	987.9	987.6	986.9	986.2	985.6	984.9	984.7	984.5
162.5°	997.9	999.4	1000.9	1001.7	1001.2	1000.2	999.1	998.1	997.1	996.9	996.8
165°	1009.1	1010.4	1011.8	1012.5	1012.0	1011.0	1009.9	1008.9	1007.9	1007.7	1007.5
167.5°	1017.9	1019.4	1020.9	1021.7	1021.1	1019.9	1018.7	1017.5	1016.3	1016.1	1016.0
170°	1024.8	1026.3	1027.8	1028.6	1027.9	1026.6	1025.2	1023.9	1022.5	1022.3	1022.1
172.5°	1029.4	1030.9	1032.4	1033.2	1032.6	1031.4	1030.2	1029.0	1027.8	1027.5	1027.1
175°	1033.2	1034.7	1036.2	1037.0	1036.3	1035.0	1033.6	1032.3	1030.9	1030.7	1030.5
177.5°	1035.2	1036.5	1037.9	1038.6	1038.0	1036.8	1035.6	1034.4	1033.2	1033.0	1032.8
180°	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7

TEST NUMBER: P1026891

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3
2.5°	547.6	545.4	542.7	542.7	539.5	538.1	535.4	534.5	532.3	528.7	525.9
5°	567.1	561.2	557.6	554.4	547.6	542.7	537.7	532.3	526.9	520.5	513.3
7.5°	586.0	575.2	570.2	564.8	554.9	544.5	534.5	527.3	520.1	510.1	501.1
10°	605.9	592.4	583.3	576.1	560.7	547.6	533.2	522.8	511.5	498.8	487.1
12.5°	622.6	605.0	597.3	583.8	566.2	550.3	532.3	516.5	501.5	486.6	472.2
15°	636.7	619.9	601.0	595.5	571.1	548.5	528.2	507.9	489.3	474.4	457.7
17.5°	641.2	619.9	610.4	597.3	568.4	544.9	519.2	497.0	479.4	457.3	444.2
20°	642.5	622.2	609.1	596.9	571.1	540.0	514.7	487.5	466.3	444.2	423.4
22.5°	638.9	615.0	602.3	590.6	561.6	535.0	505.6	475.8	450.9	430.6	409.8
25°	632.1	604.1	591.9	579.3	551.7	522.3	490.3	461.8	438.7	414.3	394.0
27.5°	623.1	591.0	577.0	563.9	536.8	509.2	479.0	449.6	423.8	398.1	379.1
30°	611.8	574.7	562.1	544.9	518.7	492.5	464.9	435.6	406.7	382.3	361.5
32.5°	597.3	558.5	541.8	525.5	497.0	473.1	446.9	419.3	391.3	367.4	345.7
35°	584.2	540.0	521.4	505.2	473.5	448.2	426.5	400.8	375.9	351.1	331.7
37.5°	566.6	521.4	499.3	482.6	450.5	424.7	404.4	384.5	358.3	334.4	316.3
40°	548.1	498.4	477.6	460.9	427.4	399.4	380.0	362.4	341.1	319.0	300.0
42.5°	531.4	476.2	454.1	433.8	399.9	375.0	355.2	341.6	322.2	302.3	285.1
45°	510.1	452.7	428.8	407.6	375.0	347.9	328.9	318.1	303.6	284.2	269.3
47.5°	488.4	427.4	402.6	381.8	346.6	322.6	304.1	293.7	283.8	268.4	253.5
50°	460.0	400.8	378.2	354.2	319.5	295.1	279.7	269.3	261.6	250.8	238.1
52.5°	428.8	373.2	348.8	328.0	293.7	271.6	253.9	248.1	240.4	232.2	221.4
55°	395.8	343.4	319.9	299.6	267.9	245.4	230.9	224.6	218.7	212.4	205.1
57.5°	362.8	312.2	290.1	272.0	242.6	221.0	209.2	200.6	196.6	192.9	187.1
60°	321.7	278.8	261.6	245.4	216.4	196.6	185.3	178.9	175.3	173.5	170.8
62.5°	285.6	250.3	231.3	215.5	192.5	174.9	164.0	159.0	155.9	155.0	151.8
65°	247.2	216.9	202.0	188.4	168.5	152.7	143.7	137.8	135.6	135.1	135.1
67.5°	211.0	186.6	171.7	162.2	145.0	131.0	122.5	120.2	118.8	117.0	116.6
70°	177.1	157.7	144.6	136.5	121.1	110.7	103.9	100.3	100.3	99.0	98.1
72.5°	147.3	127.9	119.3	112.5	99.9	90.8	85.9	84.9	81.8	81.3	81.3
75°	115.2	100.8	94.9	89.0	79.5	73.2	69.1	66.9	65.1	65.1	65.5
77.5°	86.8	76.8	71.4	66.9	60.1	56.0	52.9	52.0	50.2	50.2	50.2
80°	61.5	56.0	52.0	48.3	43.4	39.8	38.0	36.1	36.1	35.7	36.1
82.5°	39.8	35.2	33.0	32.5	28.0	26.7	24.4	24.9	23.5	23.0	23.9
85°	23.0	20.8	18.1	17.2	15.4	13.6	12.7	13.1	12.7	12.2	12.7
87.5°	9.0	7.7	7.2	7.2	5.9	5.4	5.0	5.4	4.5	4.5	5.0
90°	8.7	7.5	6.9	6.2	4.9	3.5	2.2	0.8	2.2	3.5	4.9
92.5°	9.2	8.2	7.7	8.5	10.0	11.5	13.1	14.6	13.1	11.5	10.0
95°	31.7	38.2	41.4	41.7	42.2	42.7	43.2	43.7	43.2	42.7	42.2
97.5°	62.4	78.6	86.7	86.2	85.2	84.1	83.1	82.1	83.1	84.1	85.2
100°	131.4	130.7	130.4	130.1	129.6	129.1	128.6	128.1	128.6	129.1	129.6
102.5°	178.5	178.2	178.0	177.7	177.0	176.3	175.6	174.9	175.6	176.3	177.0
105°	228.6	228.6	228.6	228.3	227.6	226.9	226.2	225.5	226.2	226.9	227.6
107.5°	278.2	277.9	277.7	277.7	277.7	277.7	277.7	277.7	277.7	277.7	277.7
110°	328.8	328.5	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3

TEST NUMBER: P1026891

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	378.4	378.2	378.1	377.8	377.3	376.8	376.3	375.8	376.3	376.8	377.3
115°	427.5	427.3	427.2	426.8	425.9	425.1	424.2	423.4	424.2	425.1	425.9
117.5°	474.3	473.6	473.3	473.3	473.3	473.3	473.3	473.3	473.3	473.3	473.3
120°	519.3	518.8	518.5	518.6	518.8	518.9	519.1	519.3	519.1	518.9	518.8
122.5°	564.0	563.9	563.8	563.4	562.5	561.6	560.8	559.9	560.8	561.6	562.5
125°	607.5	607.5	607.5	606.9	605.7	604.5	603.3	602.1	603.3	604.5	605.7
127.5°	646.3	646.5	646.6	646.2	645.3	644.5	643.6	642.8	643.6	644.5	645.3
130°	683.7	683.5	683.4	683.0	682.1	681.3	680.4	679.6	680.4	681.3	682.1
132.5°	720.2	720.7	721.0	720.5	719.5	718.4	717.4	716.4	717.4	718.4	719.5
135°	755.0	755.3	755.5	755.0	754.0	752.9	751.9	750.9	751.9	752.9	754.0
137.5°	787.2	787.5	787.7	787.2	786.2	785.1	784.1	783.1	784.1	785.1	786.2
140°	815.9	816.0	816.1	815.9	815.6	815.3	814.9	814.6	814.9	815.3	815.6
142.5°	844.2	843.9	843.7	843.6	843.5	843.3	843.2	843.0	843.2	843.3	843.5
145°	872.1	872.1	872.1	871.9	871.6	871.3	870.9	870.6	870.9	871.3	871.6
147.5°	895.4	895.2	895.1	895.1	895.1	895.1	895.1	895.1	895.1	895.1	895.1
150°	917.1	916.8	916.6	916.8	917.1	917.4	917.8	918.1	917.8	917.4	917.1
152.5°	937.0	936.7	936.5	936.9	937.8	938.7	939.5	940.4	939.5	938.7	937.8
155°	954.7	954.4	954.2	954.7	955.7	956.8	957.8	958.8	957.8	956.8	955.7
157.5°	971.1	971.1	971.1	971.4	971.9	972.4	972.9	973.4	972.9	972.4	971.9
160°	984.4	984.2	984.1	984.6	985.6	986.7	987.7	988.7	987.7	986.7	985.6
162.5°	996.6	996.5	996.4	996.9	997.9	999.0	1000.0	1001.0	1000.0	999.0	997.9
165°	1007.4	1007.2	1007.1	1007.6	1008.6	1009.7	1010.7	1011.7	1010.7	1009.7	1008.6
167.5°	1015.8	1015.7	1015.6	1016.1	1017.1	1018.2	1019.2	1020.2	1019.2	1018.2	1017.1
170°	1022.0	1021.8	1021.7	1022.3	1023.5	1024.7	1025.9	1027.1	1025.9	1024.7	1023.5
172.5°	1026.8	1026.5	1026.3	1026.9	1028.1	1029.3	1030.5	1031.7	1030.5	1029.3	1028.1
175°	1030.4	1030.2	1030.1	1030.6	1031.6	1032.7	1033.7	1034.7	1033.7	1032.7	1031.6
177.5°	1032.7	1032.5	1032.4	1032.9	1033.9	1035.0	1036.0	1037.0	1036.0	1035.0	1033.9
180°	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7

TEST NUMBER: P1026891

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3
2.5°	525.0	524.1	521.9	520.5	516.0	510.6	508.8	504.3	506.1	502.9	502.9
5°	511.0	507.0	504.3	500.2	491.6	485.7	479.4	476.2	474.4	472.2	470.4
7.5°	493.0	489.8	487.1	479.4	469.9	461.8	454.1	450.9	445.1	441.0	439.2
10°	477.1	472.6	466.3	457.3	447.3	436.9	430.2	423.4	418.9	416.6	411.6
12.5°	460.9	455.5	448.7	435.6	424.7	418.4	406.2	399.9	397.6	395.8	389.9
15°	444.2	438.3	430.2	418.0	408.5	393.6	386.3	381.4	375.9	375.5	371.0
17.5°	429.3	422.0	415.2	400.3	388.6	375.5	371.4	366.0	361.0	355.6	353.3
20°	410.3	403.5	398.5	382.3	369.2	361.0	354.2	349.7	346.6	341.1	340.2
22.5°	393.1	385.9	379.1	366.9	355.6	345.2	337.1	332.1	330.8	328.5	324.4
25°	376.4	369.2	361.0	349.7	338.0	330.8	323.5	320.4	317.6	314.0	310.9
27.5°	362.4	355.6	347.9	333.9	324.0	318.6	310.9	307.3	303.6	301.8	300.5
30°	345.7	338.0	332.1	321.3	310.4	303.2	297.8	294.6	291.4	289.6	288.7
32.5°	329.4	322.2	318.1	306.4	297.8	289.2	285.1	282.9	281.0	279.2	277.4
35°	316.3	309.1	302.7	291.9	283.3	277.4	274.3	270.7	269.3	267.5	267.5
37.5°	300.0	294.6	288.3	277.9	270.2	265.7	263.0	258.5	258.0	257.1	255.7
40°	286.0	280.6	274.7	265.7	258.9	253.5	249.9	247.6	246.3	245.4	244.4
42.5°	271.1	265.2	262.5	252.1	246.3	240.8	239.0	236.8	236.3	234.5	232.2
45°	256.6	251.7	246.3	238.6	233.6	229.1	226.4	224.6	222.3	221.9	220.5
47.5°	244.0	238.1	233.2	225.9	220.5	216.9	214.6	212.4	210.6	209.2	207.8
50°	227.7	223.2	219.1	211.5	206.9	203.3	200.2	198.4	196.6	196.6	196.6
52.5°	211.9	207.8	204.2	198.8	193.4	190.2	186.6	185.3	184.4	183.0	184.4
55°	196.6	192.5	188.9	184.8	178.5	175.8	172.2	170.8	171.2	171.2	172.6
57.5°	180.3	177.1	174.9	169.9	164.0	161.3	159.0	157.7	157.7	159.5	160.0
60°	164.5	161.3	157.2	152.7	149.1	145.9	144.6	145.0	145.0	145.9	148.2
62.5°	146.8	145.0	142.8	136.5	134.2	131.9	130.1	131.5	131.0	133.3	136.5
65°	130.6	128.8	125.6	122.5	119.7	117.5	117.0	117.5	118.4	120.6	124.3
67.5°	112.5	112.5	109.8	107.1	104.8	102.6	103.0	103.5	104.4	107.1	112.5
70°	97.6	95.8	93.1	91.3	89.5	88.6	87.7	89.5	92.2	94.0	98.1
72.5°	81.3	80.0	77.7	75.9	75.5	74.6	74.1	75.0	77.7	80.9	85.4
75°	64.2	64.6	63.3	61.9	61.9	60.5	61.5	61.5	64.2	67.3	70.9
77.5°	49.7	49.3	48.8	47.9	47.4	47.4	47.4	48.3	51.1	52.9	56.5
80°	35.2	35.7	34.3	34.8	34.3	34.8	34.8	36.6	38.0	40.2	42.9
82.5°	23.5	23.5	22.6	23.0	23.0	23.0	23.5	24.4	26.2	28.0	29.8
85°	13.1	13.6	12.7	13.6	13.6	13.6	14.0	14.5	15.8	16.3	18.1
87.5°	5.0	5.9	5.9	5.0	5.4	5.9	6.3	5.9	6.8	7.7	8.1
90°	6.2	6.9	7.5	8.7	9.9	11.1	12.3	13.1	14.0	14.8	15.7
92.5°	8.5	7.7	8.2	9.2	10.3	11.3	12.3	13.1	14.0	14.8	15.7
95°	41.7	41.4	38.2	31.7	25.2	18.8	12.3	13.1	14.0	14.8	15.7
97.5°	86.2	86.7	78.6	62.4	46.2	30.0	13.8	14.1	14.5	14.8	15.1
100°	130.1	130.4	130.7	131.4	132.1	132.8	133.5	108.1	82.7	57.3	31.9
102.5°	177.7	178.0	178.2	178.5	178.8	179.2	179.5	179.8	180.2	180.5	180.8
105°	228.3	228.6	228.6	228.6	228.6	228.6	228.6	228.6	228.6	228.6	228.6
107.5°	277.7	277.7	277.9	278.2	278.5	278.9	279.2	279.4	279.6	279.7	279.9
110°	328.3	328.3	328.5	328.8	329.1	329.5	329.8	329.3	328.8	328.3	327.8

TEST NUMBER: P1026891

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	377.8	378.1	378.2	378.4	378.5	378.7	378.9	378.2	377.5	376.8	376.1
115°	426.8	427.2	427.3	427.5	427.6	427.8	428.0	427.3	426.6	425.9	425.2
117.5°	473.3	473.3	473.6	474.3	475.0	475.6	476.3	475.3	474.3	473.2	472.2
120°	518.6	518.5	518.8	519.3	519.8	520.3	520.8	520.5	520.1	519.8	519.5
122.5°	563.4	563.8	563.9	564.0	564.2	564.3	564.5	564.2	563.8	563.5	563.2
125°	606.9	607.5	607.5	607.5	607.5	607.5	607.5	606.8	606.1	605.4	604.7
127.5°	646.2	646.6	646.5	646.3	646.2	646.0	645.8	645.5	645.1	644.8	644.5
130°	683.0	683.4	683.5	683.7	683.8	684.0	684.2	683.7	683.2	682.7	682.2
132.5°	720.5	721.0	720.7	720.2	719.7	719.2	718.7	718.7	718.7	718.7	718.7
135°	755.0	755.5	755.3	755.0	754.7	754.3	754.0	753.7	753.3	753.0	752.7
137.5°	787.2	787.7	787.5	787.2	786.9	786.5	786.2	786.2	786.2	786.2	786.2
140°	815.9	816.1	816.0	815.9	815.7	815.6	815.4	815.7	816.1	816.4	816.7
142.5°	843.6	843.7	843.9	844.2	844.6	844.9	845.3	845.3	845.3	845.3	845.3
145°	871.9	872.1	872.1	872.1	872.1	872.1	872.1	872.3	872.5	872.6	872.8
147.5°	895.1	895.1	895.2	895.4	895.5	895.7	895.9	896.1	896.3	896.4	896.6
150°	916.8	916.6	916.8	917.1	917.4	917.8	918.1	918.5	918.8	919.2	919.5
152.5°	936.9	936.5	936.7	937.0	937.4	937.7	938.1	938.4	938.8	939.1	939.4
155°	954.7	954.2	954.4	954.7	955.0	955.4	955.7	956.2	956.7	957.2	957.7
157.5°	971.4	971.1	971.1	971.1	971.1	971.1	971.1	971.6	972.1	972.6	973.1
160°	984.6	984.1	984.2	984.4	984.5	984.7	984.9	985.6	986.2	986.9	987.6
162.5°	996.9	996.4	996.5	996.6	996.8	996.9	997.1	998.1	999.1	1000.2	1001.2
165°	1007.6	1007.1	1007.2	1007.4	1007.5	1007.7	1007.9	1008.9	1009.9	1011.0	1012.0
167.5°	1016.1	1015.6	1015.7	1015.8	1016.0	1016.1	1016.3	1017.5	1018.7	1019.9	1021.1
170°	1022.3	1021.7	1021.8	1022.0	1022.1	1022.3	1022.5	1023.9	1025.2	1026.6	1027.9
172.5°	1026.9	1026.3	1026.5	1026.8	1027.1	1027.5	1027.8	1029.0	1030.2	1031.4	1032.6
175°	1030.6	1030.1	1030.2	1030.4	1030.5	1030.7	1030.9	1032.3	1033.6	1035.0	1036.3
177.5°	1032.9	1032.4	1032.5	1032.7	1032.8	1033.0	1033.2	1034.4	1035.6	1036.8	1038.0
180°	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7

TEST NUMBER: P1026891

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3
2.5°	504.7	501.5	501.1	502.0	500.2	502.9	502.0	502.9	500.6	502.9	501.5
5°	469.9	469.0	467.2	464.9	465.4	465.9	468.1	465.9	467.7	468.1	470.4
7.5°	437.4	435.6	436.9	436.0	432.0	431.1	432.0	433.3	436.0	437.8	439.2
10°	411.2	410.3	408.5	407.1	404.9	403.5	405.3	403.5	407.1	410.3	410.3
12.5°	391.3	387.7	385.4	385.0	380.0	380.9	382.7	384.1	388.1	389.9	389.9
15°	370.5	367.8	366.9	365.1	363.3	365.1	364.2	365.5	367.4	369.2	370.1
17.5°	352.4	352.0	352.4	347.9	349.3	347.0	347.5	349.7	348.4	349.7	352.4
20°	336.2	337.1	335.7	333.9	333.9	331.2	334.4	333.5	333.9	336.6	340.7
22.5°	324.0	323.5	322.2	320.8	319.0	319.5	319.9	319.0	322.6	324.9	325.3
25°	310.9	310.0	309.5	308.2	306.4	308.2	307.7	308.2	309.1	312.7	310.0
27.5°	298.7	296.9	297.8	296.4	296.0	296.4	296.4	296.9	297.8	298.2	298.7
30°	288.3	286.5	286.0	285.1	284.7	285.1	286.0	285.1	288.7	288.3	288.3
32.5°	277.0	275.6	274.7	274.7	274.3	273.8	274.3	274.7	277.4	275.6	277.4
35°	266.1	265.2	265.2	264.3	263.9	263.9	263.9	265.7	264.8	266.1	266.1
37.5°	255.7	255.7	255.3	254.4	253.9	254.4	253.9	254.8	254.4	254.8	255.3
40°	244.9	244.0	243.5	243.5	242.2	240.8	242.2	242.2	242.6	244.0	244.4
42.5°	231.8	232.2	232.2	230.4	230.4	230.4	230.9	231.3	231.3	232.2	232.2
45°	220.5	219.6	219.6	219.6	218.7	219.1	220.0	220.0	220.0	220.0	219.1
47.5°	207.8	207.8	208.3	208.3	209.7	209.2	209.2	208.8	207.8	207.8	208.3
50°	196.1	197.5	197.9	197.9	198.4	198.8	198.8	197.9	197.5	196.1	196.1
52.5°	184.8	185.7	186.6	188.0	188.9	188.4	188.4	187.5	185.7	185.3	184.8
55°	172.6	174.0	175.8	177.1	178.5	178.9	178.9	177.1	175.3	173.1	173.1
57.5°	161.3	162.7	165.8	167.2	169.0	169.0	168.1	166.7	164.0	162.2	160.9
60°	150.0	152.3	154.5	157.2	159.5	160.0	158.6	156.8	153.6	151.4	149.6
62.5°	137.8	140.1	144.6	147.3	149.1	149.1	149.1	146.8	142.8	139.6	136.9
65°	126.1	128.3	132.4	136.0	137.4	138.7	137.4	135.1	131.9	128.3	125.6
67.5°	113.9	116.6	120.6	123.4	125.2	126.5	125.6	123.8	119.7	114.8	113.0
70°	100.3	101.7	107.5	110.3	113.0	113.9	113.0	110.3	106.2	100.8	99.0
72.5°	87.7	89.0	94.4	96.7	99.0	99.9	98.5	96.7	93.1	88.1	85.9
75°	73.2	75.5	78.2	81.8	84.5	85.4	84.0	82.7	78.2	75.0	73.2
77.5°	57.8	60.1	63.7	66.9	69.6	69.1	67.3	67.8	62.8	59.2	57.8
80°	43.8	45.6	48.3	51.1	52.4	52.4	52.0	50.2	48.3	45.6	43.4
82.5°	30.3	32.5	34.8	36.6	36.6	37.1	36.1	35.7	33.9	31.6	31.2
85°	18.1	18.5	20.3	20.3	22.1	21.2	20.8	22.1	20.3	19.0	18.5
87.5°	8.1	7.7	8.1	8.1	7.7	8.6	8.6	8.1	8.6	8.1	8.1
90°	16.1	16.4	16.9	17.4	17.9	18.4	17.9	17.4	16.9	16.4	16.1
92.5°	16.1	16.2	16.4	16.5	16.7	16.9	16.7	16.5	16.4	16.2	16.1
95°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
97.5°	15.3	15.4	15.6	15.7	15.9	16.1	15.9	15.7	15.6	15.4	15.3
100°	19.2	18.9	18.2	17.5	16.8	16.1	16.8	17.5	18.2	18.9	19.2
102.5°	181.0	173.8	159.5	145.2	130.9	116.6	130.9	145.2	159.5	173.8	181.0
105°	228.6	228.5	228.3	228.2	228.0	227.8	228.0	228.2	228.3	228.5	228.6
107.5°	280.0	279.7	279.0	278.3	277.6	276.9	277.6	278.3	279.0	279.7	280.0
110°	327.5	327.6	327.8	327.9	328.1	328.3	328.1	327.9	327.8	327.6	327.5

TEST NUMBER: P1026891

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	375.8	375.6	375.3	375.0	374.6	374.3	374.6	375.0	375.3	375.6	375.8
115°	424.9	424.4	423.4	422.3	421.3	420.3	421.3	422.3	423.4	424.4	424.9
117.5°	471.7	471.5	471.2	470.9	470.5	470.2	470.5	470.9	471.2	471.5	471.7
120°	519.3	518.9	518.0	517.1	516.3	515.4	516.3	517.1	518.0	518.9	519.3
122.5°	563.0	562.5	561.5	560.4	559.4	558.4	559.4	560.4	561.5	562.5	563.0
125°	604.4	604.1	603.6	603.1	602.6	602.1	602.6	603.1	603.6	604.1	604.4
127.5°	644.3	643.6	642.3	640.9	639.6	638.2	639.6	640.9	642.3	643.6	644.3
130°	681.9	681.5	680.6	679.8	678.9	678.1	678.9	679.8	680.6	681.5	681.9
132.5°	718.7	718.3	717.4	716.6	715.7	714.9	715.7	716.6	717.4	718.3	718.7
135°	752.5	752.0	751.0	749.9	748.9	747.9	748.9	749.9	751.0	752.0	752.5
137.5°	786.2	785.8	784.9	784.1	783.2	782.4	783.2	784.1	784.9	785.8	786.2
140°	816.9	816.4	815.4	814.3	813.3	812.3	813.3	814.3	815.4	816.4	816.9
142.5°	845.3	844.8	843.8	842.7	841.7	840.7	841.7	842.7	843.8	844.8	845.3
145°	872.9	872.4	871.4	870.3	869.3	868.3	869.3	870.3	871.4	872.4	872.9
147.5°	896.7	896.1	894.9	893.7	892.5	891.3	892.5	893.7	894.9	896.1	896.7
150°	919.7	919.0	917.6	916.3	914.9	913.5	914.9	916.3	917.6	919.0	919.7
152.5°	939.6	939.0	937.8	936.6	935.4	934.2	935.4	936.6	937.8	939.0	939.6
155°	958.0	957.3	956.0	954.6	953.3	951.9	953.3	954.6	956.0	957.3	958.0
157.5°	973.4	972.7	971.3	970.0	968.6	967.2	968.6	970.0	971.3	972.7	973.4
160°	987.9	987.2	985.9	984.5	983.2	981.8	983.2	984.5	985.9	987.2	987.9
162.5°	1001.7	1000.9	999.4	997.9	996.3	994.8	996.3	997.9	999.4	1000.9	1001.7
165°	1012.5	1011.8	1010.4	1009.1	1007.7	1006.3	1007.7	1009.1	1010.4	1011.8	1012.5
167.5°	1021.7	1020.9	1019.4	1017.9	1016.3	1014.8	1016.3	1017.9	1019.4	1020.9	1021.7
170°	1028.6	1027.8	1026.3	1024.8	1023.2	1021.7	1023.2	1024.8	1026.3	1027.8	1028.6
172.5°	1033.2	1032.4	1030.9	1029.4	1027.8	1026.3	1027.8	1029.4	1030.9	1032.4	1033.2
175°	1037.0	1036.2	1034.7	1033.2	1031.6	1030.1	1031.6	1033.2	1034.7	1036.2	1037.0
177.5°	1038.6	1037.9	1036.5	1035.2	1033.8	1032.4	1033.8	1035.2	1036.5	1037.9	1038.6
180°	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7

TEST NUMBER: P1026891

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3
2.5°	505.6	502.9	506.1	502.0	502.9	507.9	507.4	511.9	514.7	514.2	516.5
5°	472.2	472.2	473.5	473.1	477.6	481.7	487.1	491.6	496.6	499.3	502.5
7.5°	439.2	443.7	444.6	446.9	452.3	459.1	464.5	471.3	478.5	483.5	487.1
10°	412.1	415.7	419.3	421.1	427.0	436.0	443.7	454.6	463.6	469.0	474.0
12.5°	388.1	392.2	394.0	402.1	406.2	412.1	422.9	434.7	444.6	450.5	454.6
15°	371.0	373.2	377.3	382.3	386.3	393.6	402.6	415.7	425.2	430.2	444.2
17.5°	356.5	359.2	361.5	363.7	370.1	377.7	386.3	397.6	409.8	418.4	425.6
20°	341.6	343.0	345.7	349.3	353.8	361.0	368.7	380.5	391.3	398.1	407.6
22.5°	324.0	328.0	330.8	333.5	338.4	346.6	353.8	362.4	375.9	383.6	393.6
25°	313.6	315.4	317.2	320.4	324.0	331.2	339.3	348.4	359.2	367.4	375.9
27.5°	300.0	302.7	305.0	309.1	311.3	317.2	324.9	333.9	347.0	353.8	361.0
30°	288.7	291.4	293.2	295.1	298.2	304.5	311.8	319.0	331.2	339.8	347.0
32.5°	277.4	280.1	282.4	283.8	286.9	291.0	296.9	305.9	316.3	322.2	331.7
35°	267.5	267.5	270.2	272.0	274.7	278.3	283.8	290.5	301.4	309.1	317.6
37.5°	256.2	256.6	258.9	260.3	263.0	266.6	272.0	278.3	287.4	293.2	301.8
40°	244.4	245.8	246.7	249.0	252.1	253.5	258.9	266.1	275.2	280.6	287.8
42.5°	232.7	233.6	235.9	237.7	240.4	242.6	246.3	253.0	259.8	267.9	273.8
45°	219.6	221.9	223.2	226.4	227.7	230.0	233.6	239.0	247.2	252.1	258.9
47.5°	208.3	209.2	210.1	214.2	216.9	218.2	221.9	225.0	233.6	238.1	244.4
50°	196.1	196.1	197.5	199.3	202.4	205.1	208.3	211.9	218.7	223.2	229.5
52.5°	184.8	183.4	184.4	185.3	188.4	191.1	194.3	199.3	205.6	208.3	213.7
55°	172.6	170.3	171.7	173.1	174.0	177.6	181.2	184.4	189.3	193.4	198.4
57.5°	159.5	159.0	158.1	158.6	160.9	163.1	165.8	169.9	175.8	178.9	181.6
60°	147.8	145.0	144.1	145.0	146.4	147.8	151.4	155.0	160.0	163.1	166.3
62.5°	135.6	132.8	131.0	129.7	131.0	134.2	136.5	139.2	143.2	146.8	149.6
65°	123.8	119.7	117.9	117.0	116.6	118.8	120.6	124.3	127.9	129.2	132.4
67.5°	110.7	107.1	104.8	103.5	103.5	103.5	105.3	108.9	112.5	113.0	116.1
70°	97.6	93.5	91.3	89.5	88.6	89.5	91.7	92.2	95.3	96.2	98.1
72.5°	83.6	80.0	77.3	75.0	75.5	76.4	76.4	77.3	79.1	81.3	81.3
75°	70.5	65.5	64.2	62.4	61.5	61.5	61.5	63.3	64.6	66.4	66.0
77.5°	55.6	52.9	50.2	49.3	47.9	47.4	48.3	48.3	49.3	50.6	51.1
80°	42.9	39.8	38.0	37.1	35.2	34.8	35.2	35.2	36.6	36.1	36.6
82.5°	29.8	27.6	26.2	24.9	23.9	24.4	23.9	23.9	24.4	23.9	23.9
85°	17.2	16.7	15.8	15.4	14.9	14.0	14.9	14.5	14.0	13.6	14.5
87.5°	8.1	7.7	7.7	6.8	6.8	6.3	6.8	6.8	6.3	6.3	6.3
90°	15.7	14.8	14.0	13.1	12.3	11.1	9.9	8.7	7.5	6.9	6.2
92.5°	15.7	14.8	14.0	13.1	12.3	11.3	10.3	9.2	8.2	7.7	8.5
95°	15.7	14.8	14.0	13.1	12.3	18.8	25.2	31.7	38.2	41.4	41.7
97.5°	15.1	14.8	14.5	14.1	13.8	30.0	46.2	62.4	78.6	86.7	86.2
100°	31.9	57.3	82.7	108.1	133.5	132.8	132.1	131.4	130.7	130.4	130.1
102.5°	180.8	180.5	180.2	179.8	179.5	179.2	178.8	178.5	178.2	178.0	177.7
105°	228.6	228.6	228.6	228.6	228.6	228.6	228.6	228.6	228.6	228.6	228.3
107.5°	279.9	279.7	279.6	279.4	279.2	278.9	278.5	278.2	277.9	277.7	277.7
110°	327.8	328.3	328.8	329.3	329.8	329.5	329.1	328.8	328.5	328.3	328.3

TEST NUMBER: P1026891

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	376.1	376.8	377.5	378.2	378.9	378.7	378.5	378.4	378.2	378.1	377.8
115°	425.2	425.9	426.6	427.3	428.0	427.8	427.6	427.5	427.3	427.2	426.8
117.5°	472.2	473.2	474.3	475.3	476.3	475.6	475.0	474.3	473.6	473.3	473.3
120°	519.5	519.8	520.1	520.5	520.8	520.3	519.8	519.3	518.8	518.5	518.6
122.5°	563.2	563.5	563.8	564.2	564.5	564.3	564.2	564.0	563.9	563.8	563.4
125°	604.7	605.4	606.1	606.8	607.5	607.5	607.5	607.5	607.5	607.5	606.9
127.5°	644.5	644.8	645.1	645.5	645.8	646.0	646.2	646.3	646.5	646.6	646.2
130°	682.2	682.7	683.2	683.7	684.2	684.0	683.8	683.7	683.5	683.4	683.0
132.5°	718.7	718.7	718.7	718.7	718.7	719.2	719.7	720.2	720.7	721.0	720.5
135°	752.7	753.0	753.3	753.7	754.0	754.3	754.7	755.0	755.3	755.5	755.0
137.5°	786.2	786.2	786.2	786.2	786.2	786.5	786.9	787.2	787.5	787.7	787.2
140°	816.7	816.4	816.1	815.7	815.4	815.6	815.7	815.9	816.0	816.1	815.9
142.5°	845.3	845.3	845.3	845.3	845.3	844.9	844.6	844.2	843.9	843.7	843.6
145°	872.8	872.6	872.5	872.3	872.1	872.1	872.1	872.1	872.1	872.1	871.9
147.5°	896.6	896.4	896.3	896.1	895.9	895.7	895.5	895.4	895.2	895.1	895.1
150°	919.5	919.2	918.8	918.5	918.1	917.8	917.4	917.1	916.8	916.6	916.8
152.5°	939.4	939.1	938.8	938.4	938.1	937.7	937.4	937.0	936.7	936.5	936.9
155°	957.7	957.2	956.7	956.2	955.7	955.4	955.0	954.7	954.4	954.2	954.7
157.5°	973.1	972.6	972.1	971.6	971.1	971.1	971.1	971.1	971.1	971.1	971.4
160°	987.6	986.9	986.2	985.6	984.9	984.7	984.5	984.4	984.2	984.1	984.6
162.5°	1001.2	1000.2	999.1	998.1	997.1	996.9	996.8	996.6	996.5	996.4	996.9
165°	1012.0	1011.0	1009.9	1008.9	1007.9	1007.7	1007.5	1007.4	1007.2	1007.1	1007.6
167.5°	1021.1	1019.9	1018.7	1017.5	1016.3	1016.1	1016.0	1015.8	1015.7	1015.6	1016.1
170°	1027.9	1026.6	1025.2	1023.9	1022.5	1022.3	1022.1	1022.0	1021.8	1021.7	1022.3
172.5°	1032.6	1031.4	1030.2	1029.0	1027.8	1027.5	1027.1	1026.8	1026.5	1026.3	1026.9
175°	1036.3	1035.0	1033.6	1032.3	1030.9	1030.7	1030.5	1030.4	1030.2	1030.1	1030.6
177.5°	1038.0	1036.8	1035.6	1034.4	1033.2	1033.0	1032.8	1032.7	1032.5	1032.4	1032.9
180°	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7

TEST NUMBER: P1026891

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	532.3	532.3	532.3	532.3
2.5°	519.6	524.1	527.3	533.2
5°	507.9	516.0	523.7	531.8
7.5°	496.1	505.6	517.8	528.2
10°	483.0	495.2	509.7	523.7
12.5°	469.9	484.4	500.2	518.7
15°	454.1	472.6	491.2	511.0
17.5°	440.1	459.1	479.0	503.8
20°	424.3	445.1	466.8	492.1
22.5°	410.3	433.3	455.9	482.6
25°	394.5	417.1	441.9	470.4
27.5°	381.4	402.1	426.5	457.3
30°	365.5	388.1	412.5	443.3
32.5°	350.6	372.3	398.1	428.3
35°	335.3	357.4	380.5	409.4
37.5°	320.8	339.8	362.8	390.4
40°	304.5	325.3	346.1	367.8
42.5°	289.6	308.6	328.0	345.2
45°	272.9	289.2	307.7	321.7
47.5°	257.6	272.0	286.5	297.3
50°	242.2	253.5	264.3	273.8
52.5°	224.1	236.8	242.6	248.5
55°	207.8	215.1	220.5	226.4
57.5°	192.0	195.2	197.9	203.3
60°	171.2	174.9	178.0	182.1
62.5°	153.2	155.0	155.9	160.0
65°	136.0	135.6	137.8	140.1
67.5°	117.5	117.0	119.3	120.2
70°	99.4	99.0	99.4	101.7
72.5°	82.2	82.2	82.7	83.6
75°	66.4	66.4	66.9	67.8
77.5°	50.2	51.1	50.6	52.4
80°	36.6	35.7	36.6	37.5
82.5°	23.9	24.9	24.9	23.9
85°	13.6	13.6	13.6	13.6
87.5°	5.9	5.9	6.3	6.8
90°	4.9	3.5	2.2	0.8
92.5°	10.0	11.5	13.1	14.6
95°	42.2	42.7	43.2	43.7
97.5°	85.2	84.1	83.1	82.1
100°	129.6	129.1	128.6	128.1
102.5°	177.0	176.3	175.6	174.9
105°	227.6	226.9	226.2	225.5
107.5°	277.7	277.7	277.7	277.7
110°	328.3	328.3	328.3	328.3



TEST NUMBER: P1026891

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	377.3	376.8	376.3	375.8
115°	425.9	425.1	424.2	423.4
117.5°	473.3	473.3	473.3	473.3
120°	518.8	518.9	519.1	519.3
122.5°	562.5	561.6	560.8	559.9
125°	605.7	604.5	603.3	602.1
127.5°	645.3	644.5	643.6	642.8
130°	682.1	681.3	680.4	679.6
132.5°	719.5	718.4	717.4	716.4
135°	754.0	752.9	751.9	750.9
137.5°	786.2	785.1	784.1	783.1
140°	815.6	815.3	814.9	814.6
142.5°	843.5	843.3	843.2	843.0
145°	871.6	871.3	870.9	870.6
147.5°	895.1	895.1	895.1	895.1
150°	917.1	917.4	917.8	918.1
152.5°	937.8	938.7	939.5	940.4
155°	955.7	956.8	957.8	958.8
157.5°	971.9	972.4	972.9	973.4
160°	985.6	986.7	987.7	988.7
162.5°	997.9	999.0	1000.0	1001.0
165°	1008.6	1009.7	1010.7	1011.7
167.5°	1017.1	1018.2	1019.2	1020.2
170°	1023.5	1024.7	1025.9	1027.1
172.5°	1028.1	1029.3	1030.5	1031.7
175°	1031.6	1032.7	1033.7	1034.7
177.5°	1033.9	1035.0	1036.0	1037.0
180°	1034.7	1034.7	1034.7	1034.7

(END OF REPORT)