

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: P1026889

Luminaire Tested: S125DIP-B375D850UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1026889
REPORT IS A COMBINATION OF REPORTS P1002068 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B375D850UB2750-4F0-XX-W2A-A_2700K
Description: Define 5 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

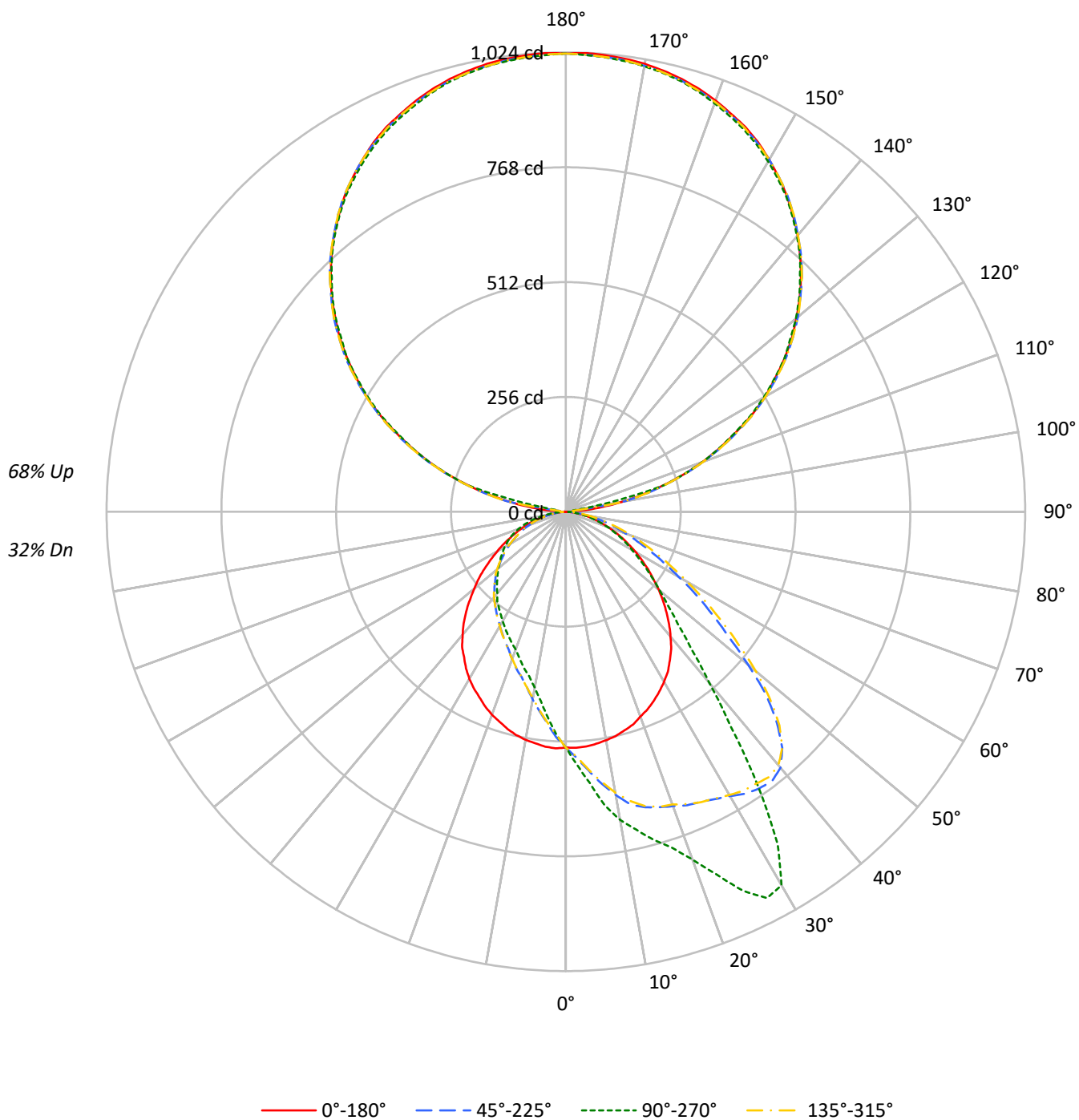
Lumens per Lamp: N/A
Luminaire Lumens: 4622.0 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 34.1
Input Voltage (V): 120
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	103	103	103	103	93	93	93	93	73	73	73	56	56	56	40	40	40
1	94	90	86	83	84	81	78	75	64	62	60	49	48	47	35	34	34
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29
3	78	69	62	56	70	62	56	52	50	46	42	38	36	33	28	26	24
4	71	61	53	48	64	55	49	44	44	40	36	34	31	28	25	23	21
5	65	54	47	41	59	49	43	37	40	35	31	31	27	25	22	20	18
6	60	49	41	35	54	44	37	32	36	31	27	28	24	22	20	18	16
7	56	44	36	31	50	40	33	28	32	27	24	25	22	19	18	16	14
8	52	40	32	27	46	36	30	25	29	24	21	23	19	17	17	15	13
9	48	36	29	24	43	33	26	22	27	22	19	21	18	15	16	13	12
10	45	33	26	21	40	30	24	20	25	20	17	19	16	14	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3367	3367	3367	3367
5°	3370	3820	3372	2898
10°	3349	4354	3344	2488
15°	3325	4721	3304	2248
20°	3282	5173	3253	2052
25°	3245	5927	3186	1936
30°	3192	6253	3137	1831
35°	3107	5013	3042	1746
40°	2975	3465	2931	1658
45°	2808	2579	2777	1584
50°	2617	2124	2574	1524
55°	2411	1811	2391	1473
60°	2208	1551	2170	1433
65°	1990	1339	1958	1375
70°	1760	1111	1735	1273
75°	1515	860	1494	1105
80°	1196	581	1154	813
85°	766	290	738	415

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 5143 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	1.1
10°-20°	150.7	3.3
20°-30°	244.7	5.3
30°-40°	299.1	6.5
40°-50°	271.3	5.9
50°-60°	216.1	4.7
60°-70°	150.5	3.3
70°-80°	80.2	1.7
80°-90°	21.4	0.5
90°-100°	34.7	0.7
100°-110°	230.5	5.0
110°-120°	415.1	9.0
120°-130°	532.8	11.5
130°-140°	573.1	12.4
140°-150°	537.9	11.6
150°-160°	435.1	9.4
160°-170°	281.4	6.1
170°-180°	97.0	2.1
0°-30°	446.0	9.6
0°-40°	745.0	16.1
0°-60°	1232.4	26.7
0°-90°	1484.5	32.1
90°-120°	680.3	14.7
90°-150°	2324.0	50.3
90°-180°	3137.0	67.9
0°-180°	4622.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	526	526	526	526	526	
5°	525	606	526	460	525	50
15°	505	757	501	360	505	142
25°	464	932	456	304	464	214
35°	404	748	396	260	404	252
45°	318	352	314	216	318	245
55°	224	217	222	177	224	200
65°	138	133	136	137	138	137
75°	67	66	66	84	67	71
85°	13	15	13	21	13	16
90°	1	18	1	18	1	3
95°	43	16	43	16	43	53
105°	223	225	223	225	223	236
115°	418	415	418	415	418	414
125°	594	594	594	594	594	531
135°	741	738	741	738	741	571
145°	859	857	859	857	859	537
155°	946	940	946	940	946	436
165°	999	993	999	993	999	282
175°	1021	1017	1021	1017	1021	97
180°	1021	1021	1021	1021	1021	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5
2.5°	526.4	529.6	533.1	535.8	540.3	541.6	543.8	545.2	546.5	547.8	548.7
5°	525.1	532.7	539.4	544.3	552.8	555.9	559.9	564.8	570.6	575.5	578.6
7.5°	521.5	533.6	542.5	552.3	563.9	571.5	575.5	585.8	595.1	602.3	611.6
10°	517.1	531.3	545.2	559.9	576.4	584.9	592.9	607.2	620.1	631.7	641.1
12.5°	512.2	529.6	546.1	565.2	587.6	597.8	603.2	627.7	643.8	650.0	668.3
15°	504.6	525.1	548.7	572.4	591.1	603.2	617.9	637.5	653.6	667.4	682.1
17.5°	497.4	519.7	543.8	570.2	597.4	613.0	624.1	641.5	658.9	676.8	690.6
20°	485.8	514.8	539.4	567.5	599.6	610.8	622.4	642.9	661.6	680.8	698.2
22.5°	476.5	504.1	537.6	564.4	591.6	602.7	617.0	638.4	660.7	682.6	708.0
25°	464.4	495.2	524.2	552.8	580.9	592.9	605.8	633.5	656.7	684.8	712.9
27.5°	451.5	483.2	512.2	538.0	564.4	580.9	594.7	623.7	654.5	685.3	721.8
30°	437.7	467.5	495.2	520.6	549.6	566.6	580.4	614.3	648.7	687.9	731.7
32.5°	422.9	451.0	474.7	500.6	531.3	547.0	565.7	602.7	643.3	690.2	745.0
35°	404.2	431.0	451.9	478.3	509.0	529.1	548.7	590.2	637.5	689.7	752.6
37.5°	385.5	406.4	426.5	454.6	490.3	508.6	529.1	574.6	628.6	688.4	755.7
40°	363.1	383.7	401.1	429.6	467.1	488.1	509.5	557.2	618.3	683.5	744.6
42.5°	340.8	358.2	377.4	407.3	443.5	465.8	488.5	541.6	605.0	669.2	713.8
45°	317.6	331.0	352.0	379.2	417.6	439.0	464.9	522.4	586.2	643.3	665.6
47.5°	293.6	306.9	326.6	352.9	390.8	416.2	440.8	498.3	562.6	606.7	606.7
50°	270.4	281.1	300.2	326.6	364.9	388.1	413.1	474.2	526.0	558.6	529.6
52.5°	245.4	257.4	273.5	301.1	339.1	360.0	387.2	439.4	488.5	501.9	457.3
55°	223.5	233.3	248.5	274.8	310.1	331.9	355.1	405.1	446.6	445.7	397.9
57.5°	200.8	208.8	224.8	248.9	281.5	301.1	324.3	367.6	401.5	389.5	344.4
60°	179.8	185.6	201.2	220.8	252.1	270.4	292.7	327.9	353.8	336.8	291.3
62.5°	157.9	164.6	177.1	196.3	224.0	238.7	255.2	290.9	307.4	292.2	245.8
65°	138.3	143.7	154.8	170.9	195.9	209.2	223.5	253.0	268.6	246.7	208.3
67.5°	118.7	124.9	132.9	147.2	166.9	179.3	191.8	217.3	224.4	204.8	172.7
70°	100.4	105.7	113.3	123.6	140.1	151.2	160.6	181.6	186.5	168.2	142.8
72.5°	82.5	86.1	92.3	100.8	116.0	122.2	132.1	146.3	152.6	136.1	117.8
75°	66.9	69.6	73.6	79.9	90.1	96.8	104.8	118.2	117.8	106.2	93.2
77.5°	51.8	52.2	56.7	62.5	68.7	74.5	78.5	87.9	88.8	81.6	70.9
80°	37.0	38.4	40.2	44.6	50.0	52.2	57.1	62.9	63.8	58.4	51.3
82.5°	23.6	24.5	25.9	28.6	32.1	34.8	37.5	39.7	41.9	38.8	33.0
85°	13.4	13.8	15.2	16.1	17.8	19.2	21.4	23.6	23.2	21.0	19.2
87.5°	6.7	6.7	6.7	7.6	8.5	8.5	9.4	9.8	10.3	9.4	8.5
90°	0.8	2.1	3.5	4.8	6.1	6.8	7.4	8.6	9.7	10.9	12.1
92.5°	14.4	12.9	11.4	9.9	8.4	7.6	8.1	9.1	10.1	11.1	12.1
95°	43.2	42.7	42.2	41.7	41.2	40.9	37.7	31.3	24.9	18.5	12.1
97.5°	81.0	82.0	83.0	84.1	85.1	85.6	77.6	61.6	45.6	29.6	13.6
100°	126.4	126.9	127.4	127.9	128.4	128.7	129.0	129.7	130.4	131.0	131.7
102.5°	172.6	173.3	174.0	174.7	175.4	175.7	175.9	176.2	176.5	176.9	177.2
105°	222.6	223.3	223.9	224.6	225.3	225.6	225.6	225.6	225.6	225.6	225.6
107.5°	274.1	274.1	274.1	274.1	274.1	274.1	274.3	274.6	274.9	275.3	275.6
110°	324.1	324.1	324.1	324.1	324.1	324.1	324.3	324.6	324.9	325.3	325.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	371.0	371.5	372.0	372.5	373.0	373.3	373.4	373.5	373.7	373.8	374.0
115°	417.9	418.7	419.6	420.4	421.3	421.7	421.8	422.0	422.1	422.3	422.5
117.5°	467.2	467.2	467.2	467.2	467.2	467.2	467.5	468.2	468.9	469.5	470.2
120°	512.6	512.4	512.2	512.1	511.9	511.8	512.1	512.6	513.1	513.6	514.1
122.5°	552.7	553.5	554.4	555.2	556.1	556.5	556.6	556.8	556.9	557.1	557.3
125°	594.4	595.6	596.8	597.9	599.1	599.7	599.7	599.7	599.7	599.7	599.7
127.5°	634.5	635.3	636.2	637.0	637.9	638.3	638.2	638.0	637.9	637.7	637.5
130°	670.8	671.6	672.5	673.3	674.2	674.6	674.7	674.9	675.0	675.2	675.4
132.5°	707.2	708.2	709.2	710.2	711.2	711.7	711.4	710.9	710.4	709.9	709.4
135°	741.2	742.2	743.2	744.3	745.3	745.8	745.6	745.3	745.0	744.6	744.3
137.5°	773.0	774.0	775.0	776.1	777.1	777.6	777.4	777.1	776.8	776.4	776.1
140°	804.1	804.4	804.8	805.1	805.4	805.6	805.5	805.3	805.2	805.0	804.8
142.5°	832.1	832.3	832.5	832.6	832.8	832.9	833.1	833.4	833.7	834.1	834.4
145°	859.4	859.7	860.1	860.4	860.7	860.9	860.9	860.9	860.9	860.9	860.9
147.5°	883.6	883.6	883.6	883.6	883.6	883.6	883.7	883.8	884.0	884.1	884.3
150°	906.3	906.0	905.6	905.3	905.0	904.8	905.0	905.3	905.6	906.0	906.3
152.5°	928.3	927.5	926.6	925.8	924.9	924.5	924.7	925.0	925.3	925.7	926.0
155°	946.4	945.4	944.4	943.4	942.4	941.9	942.1	942.4	942.7	943.1	943.4
157.5°	960.8	960.3	959.8	959.3	958.8	958.5	958.5	958.5	958.5	958.5	958.5
160°	976.0	975.0	974.0	972.9	971.9	971.4	971.5	971.7	971.8	972.0	972.2
162.5°	988.1	987.1	986.1	985.0	984.0	983.5	983.6	983.8	983.9	984.1	984.3
165°	998.7	997.7	996.7	995.6	994.6	994.1	994.2	994.4	994.5	994.7	994.9
167.5°	1007.0	1006.0	1005.0	1004.0	1003.0	1002.5	1002.6	1002.7	1002.9	1003.0	1003.2
170°	1013.8	1012.6	1011.4	1010.3	1009.1	1008.5	1008.6	1008.8	1008.9	1009.1	1009.3
172.5°	1018.4	1017.2	1016.0	1014.9	1013.7	1013.1	1013.3	1013.6	1013.9	1014.3	1014.6
175°	1021.4	1020.4	1019.4	1018.3	1017.3	1016.8	1016.9	1017.1	1017.2	1017.4	1017.6
177.5°	1023.7	1022.7	1021.7	1020.6	1019.6	1019.1	1019.2	1019.4	1019.5	1019.7	1019.9
180°	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5
2.5°	549.6	552.8	555.4	557.7	559.4	562.1	560.3	560.8	561.7	563.5	563.5
5°	585.3	590.2	592.9	601.8	604.1	603.6	602.3	609.4	609.0	606.3	605.8
7.5°	620.1	628.6	636.2	643.3	645.5	651.3	652.7	655.8	654.9	659.4	657.1
10°	651.8	665.2	672.3	683.0	685.7	688.4	691.9	693.7	697.7	697.3	697.3
12.5°	676.3	692.4	701.8	704.4	714.7	717.8	720.9	726.7	725.4	725.9	728.5
15°	695.5	711.1	719.2	731.7	738.8	742.4	747.7	754.0	753.1	757.1	756.2
17.5°	709.8	724.5	739.2	758.0	758.4	767.8	780.3	783.0	788.8	784.7	784.7
20°	721.4	741.0	762.0	786.1	788.8	794.6	809.7	820.0	826.7	824.4	825.8
22.5°	733.9	762.0	786.5	810.6	823.6	833.8	848.5	864.6	870.4	874.0	873.1
25°	749.9	779.4	815.5	849.0	862.4	882.0	901.6	917.2	921.7	931.5	922.6
27.5°	766.5	807.9	853.0	892.3	909.2	925.3	948.9	960.5	966.3	970.8	967.7
30°	780.3	837.4	886.5	922.6	934.6	944.0	957.4	960.1	957.8	961.4	965.9
32.5°	801.7	857.5	899.0	916.4	915.0	914.6	904.3	890.0	886.9	878.4	890.0
35°	813.3	857.9	874.0	850.8	841.4	824.4	791.9	770.5	751.7	747.7	748.6
37.5°	806.6	824.0	804.8	743.7	728.5	702.7	659.4	629.0	615.2	604.5	618.3
40°	770.5	751.3	698.6	624.1	602.3	577.7	537.1	520.6	501.0	497.0	515.3
42.5°	710.7	652.2	577.7	520.2	497.4	483.6	449.7	434.1	420.3	414.0	424.3
45°	629.5	558.6	483.6	436.3	417.1	400.6	380.5	364.0	355.1	352.4	360.9
47.5°	545.6	470.7	410.9	375.6	355.6	343.1	324.3	315.0	307.8	308.7	310.1
50°	465.3	397.1	351.1	315.9	306.0	296.2	283.7	275.7	272.1	273.5	272.6
52.5°	396.2	340.8	302.0	274.8	270.4	261.0	250.7	244.0	242.7	243.1	244.5
55°	335.5	292.2	261.4	241.8	236.9	230.2	224.0	219.5	215.9	217.3	216.8
57.5°	289.5	251.6	228.0	211.9	208.3	204.3	198.5	196.3	195.0	192.3	194.5
60°	248.9	218.2	197.6	187.8	184.7	182.0	175.8	173.1	172.2	170.9	174.4
62.5°	210.6	188.7	173.1	164.2	161.1	158.4	155.3	153.0	153.5	151.7	153.5
65°	180.2	162.4	151.2	143.2	139.2	137.4	137.0	133.4	132.9	133.4	133.8
67.5°	152.1	137.0	128.5	123.6	120.5	118.7	117.3	115.1	116.9	115.5	116.4
70°	126.7	116.4	107.5	102.6	101.3	101.7	99.5	98.6	99.0	98.1	99.0
72.5°	102.2	93.7	90.1	86.5	84.8	84.3	83.0	81.6	83.0	82.5	82.5
75°	81.6	75.4	71.4	69.2	69.2	68.3	66.0	66.0	66.0	65.6	66.0
77.5°	62.9	57.6	55.8	53.5	53.5	52.2	51.8	51.8	50.9	52.2	51.3
80°	46.8	42.8	40.2	38.8	38.8	38.4	37.5	37.0	37.5	37.0	37.0
82.5°	30.3	28.6	27.2	25.9	25.4	25.9	25.4	24.5	25.0	24.5	25.4
85°	17.4	15.6	15.6	14.7	15.2	14.3	14.7	13.8	13.4	14.7	13.8
87.5°	7.6	7.1	7.1	6.2	6.2	6.2	5.8	6.2	5.8	5.4	5.8
90°	12.9	13.8	14.6	15.5	15.9	16.2	16.7	17.2	17.7	18.2	17.7
92.5°	12.9	13.8	14.6	15.5	15.9	16.0	16.2	16.3	16.5	16.7	16.5
95°	12.9	13.8	14.6	15.5	15.9	15.9	15.9	15.9	15.9	15.9	15.9
97.5°	13.9	14.3	14.6	14.9	15.1	15.2	15.4	15.5	15.7	15.9	15.7
100°	106.6	81.6	56.5	31.4	18.9	18.6	17.9	17.2	16.6	15.9	16.6
102.5°	177.5	177.9	178.2	178.5	178.7	171.6	157.5	143.4	129.2	115.1	129.2
105°	225.6	225.6	225.6	225.6	225.6	225.5	225.4	225.2	225.1	224.9	225.1
107.5°	275.8	276.0	276.1	276.3	276.4	276.1	275.4	274.7	274.0	273.3	274.0
110°	325.1	324.6	324.1	323.6	323.3	323.4	323.6	323.7	323.9	324.1	323.9

TEST NUMBER: P1026889

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	373.3	372.7	372.0	371.3	371.0	370.8	370.5	370.2	369.8	369.5	369.8
115°	421.8	421.2	420.5	419.8	419.5	419.0	418.0	416.9	415.9	414.9	415.9
117.5°	469.2	468.2	467.1	466.1	465.6	465.4	465.1	464.8	464.4	464.1	464.4
120°	513.8	513.4	513.1	512.8	512.6	512.2	511.3	510.5	509.6	508.8	509.6
122.5°	556.9	556.6	556.2	555.9	555.7	555.2	554.2	553.2	552.2	551.2	552.2
125°	599.0	598.3	597.6	596.9	596.6	596.4	595.9	595.4	594.9	594.4	594.9
127.5°	637.2	636.8	636.5	636.2	636.0	635.3	634.0	632.6	631.3	629.9	631.3
130°	674.9	674.4	673.9	673.4	673.1	672.7	671.8	671.0	670.1	669.3	670.1
132.5°	709.4	709.4	709.4	709.4	709.4	709.0	708.2	707.3	706.5	705.7	706.5
135°	744.0	743.6	743.3	743.0	742.8	742.3	741.3	740.2	739.2	738.2	739.2
137.5°	776.1	776.1	776.1	776.1	776.1	775.7	774.8	774.0	773.1	772.3	773.1
140°	805.2	805.5	805.9	806.2	806.4	805.9	804.9	803.8	802.8	801.8	802.8
142.5°	834.4	834.4	834.4	834.4	834.4	833.9	832.9	831.8	830.8	829.8	830.8
145°	861.1	861.2	861.4	861.5	861.6	861.1	860.1	859.1	858.1	857.1	858.1
147.5°	884.5	884.7	884.8	885.0	885.1	884.5	883.3	882.2	881.0	879.8	881.0
150°	906.6	907.0	907.3	907.6	907.8	907.1	905.8	904.5	903.1	901.8	903.1
152.5°	926.3	926.7	927.0	927.3	927.5	926.9	925.7	924.6	923.4	922.2	923.4
155°	943.9	944.4	944.9	945.4	945.7	945.0	943.7	942.3	941.0	939.6	941.0
157.5°	959.0	959.5	960.0	960.5	960.8	960.1	958.8	957.5	956.1	954.8	956.1
160°	972.9	973.5	974.2	974.9	975.2	974.5	973.2	971.8	970.5	969.1	970.5
162.5°	985.3	986.3	987.3	988.3	988.8	988.0	986.5	985.0	983.5	982.0	983.5
165°	995.9	996.9	997.9	998.9	999.4	998.7	997.4	996.1	994.7	993.4	994.7
167.5°	1004.4	1005.6	1006.7	1007.9	1008.5	1007.7	1006.2	1004.7	1003.2	1001.7	1003.2
170°	1010.6	1012.0	1013.3	1014.6	1015.3	1014.5	1013.0	1011.5	1010.0	1008.5	1010.0
172.5°	1015.8	1017.0	1018.1	1019.3	1019.9	1019.1	1017.6	1016.1	1014.6	1013.1	1014.6
175°	1019.0	1020.3	1021.7	1023.0	1023.7	1022.9	1021.4	1019.9	1018.3	1016.8	1018.3
177.5°	1021.1	1022.3	1023.4	1024.6	1025.2	1024.5	1023.2	1021.8	1020.5	1019.1	1020.5
180°	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4

TEST NUMBER: P1026889

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5
2.5°	562.6	559.4	560.3	559.4	557.2	555.9	552.3	547.8	546.1	543.8	542.5
5°	607.6	605.4	605.0	601.4	600.5	595.1	586.2	581.8	576.4	571.0	565.7
7.5°	656.7	654.0	645.1	643.8	644.7	638.0	626.4	617.4	606.3	598.7	588.4
10°	697.3	691.9	684.4	684.8	681.7	672.8	661.2	651.8	635.7	625.9	611.2
12.5°	721.8	717.4	716.5	712.0	709.3	697.7	683.9	671.9	659.8	646.4	635.3
15°	751.7	745.9	741.9	735.7	733.9	721.8	706.7	692.8	679.0	666.5	642.9
17.5°	784.7	778.5	763.3	762.0	751.3	739.7	725.0	704.4	689.7	671.9	654.5
20°	822.2	813.3	793.7	788.8	780.3	761.1	741.0	718.3	694.6	676.3	655.8
22.5°	864.2	848.5	834.3	818.6	812.4	788.8	761.1	733.4	704.9	679.9	655.4
25°	918.6	898.1	878.0	862.4	851.7	820.9	783.8	747.3	714.3	681.7	649.6
27.5°	961.4	943.6	921.7	901.2	887.4	850.8	808.4	761.1	720.1	680.3	646.0
30°	964.5	959.2	945.8	934.6	919.5	880.2	833.4	779.8	729.0	680.8	638.9
32.5°	906.1	916.8	922.6	924.4	921.3	898.5	855.7	796.8	737.0	676.8	632.6
35°	780.3	808.8	844.1	857.5	870.4	882.4	860.1	808.8	739.7	675.9	622.8
37.5°	642.4	668.3	726.7	753.5	768.7	816.4	834.7	807.0	745.0	676.8	613.4
40°	518.4	559.4	601.4	637.5	661.2	714.7	771.4	777.6	737.5	668.3	601.4
42.5°	436.3	460.4	492.1	525.5	546.5	609.9	686.6	731.7	713.8	654.5	586.7
45°	371.6	389.5	419.4	430.5	457.3	518.0	599.2	664.3	673.2	632.6	569.7
47.5°	319.0	334.2	353.3	367.2	388.6	434.1	502.8	574.6	617.4	602.7	546.1
50°	281.1	293.6	309.6	317.6	331.5	372.5	424.3	495.7	553.2	558.1	515.3
52.5°	249.4	256.5	269.0	277.9	289.1	314.1	360.9	419.8	484.5	511.3	477.4
55°	221.7	227.5	238.7	244.5	250.3	271.7	308.3	361.8	422.5	457.7	438.5
57.5°	196.7	201.7	211.0	216.4	219.5	240.0	268.1	310.1	364.5	407.3	396.6
60°	176.2	180.7	186.0	190.1	193.6	210.6	230.2	264.1	312.7	354.2	351.6
62.5°	154.4	158.4	164.2	168.2	171.3	182.0	198.5	224.4	265.9	304.3	311.8
65°	135.2	138.3	142.3	144.1	148.1	156.1	169.5	192.7	226.6	261.0	266.3
67.5°	117.8	118.7	121.3	125.4	126.3	133.4	145.4	162.8	189.2	217.3	225.7
70°	99.0	100.4	102.6	105.7	107.5	112.0	122.2	133.8	156.6	181.1	187.4
72.5°	82.5	84.3	85.2	87.0	87.9	95.0	99.5	111.1	126.7	147.2	153.9
75°	66.9	68.7	69.2	70.0	70.9	74.1	80.3	87.4	100.4	113.8	122.7
77.5°	53.1	52.6	53.5	54.9	54.4	57.1	61.1	67.4	75.8	87.0	92.8
80°	37.5	37.5	38.8	40.2	39.7	42.4	43.7	48.2	55.3	62.5	64.7
82.5°	25.0	25.0	26.3	26.3	27.2	27.7	29.4	31.7	37.5	41.0	42.4
85°	14.3	14.3	14.7	14.7	14.7	15.6	17.0	17.8	19.6	21.9	22.8
87.5°	5.8	6.2	6.2	6.2	6.2	7.1	7.1	8.0	8.5	9.4	9.4
90°	17.2	16.7	16.2	15.9	15.5	14.6	13.8	12.9	12.1	10.9	9.7
92.5°	16.3	16.2	16.0	15.9	15.5	14.6	13.8	12.9	12.1	11.1	10.1
95°	15.9	15.9	15.9	15.9	15.5	14.6	13.8	12.9	12.1	18.5	24.9
97.5°	15.5	15.4	15.2	15.1	14.9	14.6	14.3	13.9	13.6	29.6	45.6
100°	17.2	17.9	18.6	18.9	31.4	56.5	81.6	106.6	131.7	131.0	130.4
102.5°	143.4	157.5	171.6	178.7	178.5	178.2	177.9	177.5	177.2	176.9	176.5
105°	225.2	225.4	225.5	225.6	225.6	225.6	225.6	225.6	225.6	225.6	225.6
107.5°	274.7	275.4	276.1	276.4	276.3	276.1	276.0	275.8	275.6	275.3	274.9
110°	323.7	323.6	323.4	323.3	323.6	324.1	324.6	325.1	325.6	325.3	324.9

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CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	370.2	370.5	370.8	371.0	371.3	372.0	372.7	373.3	374.0	373.8	373.7
115°	416.9	418.0	419.0	419.5	419.8	420.5	421.2	421.8	422.5	422.3	422.1
117.5°	464.8	465.1	465.4	465.6	466.1	467.1	468.2	469.2	470.2	469.5	468.9
120°	510.5	511.3	512.2	512.6	512.8	513.1	513.4	513.8	514.1	513.6	513.1
122.5°	553.2	554.2	555.2	555.7	555.9	556.2	556.6	556.9	557.3	557.1	556.9
125°	595.4	595.9	596.4	596.6	596.9	597.6	598.3	599.0	599.7	599.7	599.7
127.5°	632.6	634.0	635.3	636.0	636.2	636.5	636.8	637.2	637.5	637.7	637.9
130°	671.0	671.8	672.7	673.1	673.4	673.9	674.4	674.9	675.4	675.2	675.0
132.5°	707.3	708.2	709.0	709.4	709.4	709.4	709.4	709.4	709.4	709.9	710.4
135°	740.2	741.3	742.3	742.8	743.0	743.3	743.6	744.0	744.3	744.6	745.0
137.5°	774.0	774.8	775.7	776.1	776.1	776.1	776.1	776.1	776.1	776.4	776.8
140°	803.8	804.9	805.9	806.4	806.2	805.9	805.5	805.2	804.8	805.0	805.2
142.5°	831.8	832.9	833.9	834.4	834.4	834.4	834.4	834.4	834.4	834.1	833.7
145°	859.1	860.1	861.1	861.6	861.5	861.4	861.2	861.1	860.9	860.9	860.9
147.5°	882.2	883.3	884.5	885.1	885.0	884.8	884.7	884.5	884.3	884.1	884.0
150°	904.5	905.8	907.1	907.8	907.6	907.3	907.0	906.6	906.3	906.0	905.6
152.5°	924.6	925.7	926.9	927.5	927.3	927.0	926.7	926.3	926.0	925.7	925.3
155°	942.3	943.7	945.0	945.7	945.4	944.9	944.4	943.9	943.4	943.1	942.7
157.5°	957.5	958.8	960.1	960.8	960.5	960.0	959.5	959.0	958.5	958.5	958.5
160°	971.8	973.2	974.5	975.2	974.9	974.2	973.5	972.9	972.2	972.0	971.8
162.5°	985.0	986.5	988.0	988.8	988.3	987.3	986.3	985.3	984.3	984.1	983.9
165°	996.1	997.4	998.7	999.4	998.9	997.9	996.9	995.9	994.9	994.7	994.5
167.5°	1004.7	1006.2	1007.7	1008.5	1007.9	1006.7	1005.6	1004.4	1003.2	1003.0	1002.9
170°	1011.5	1013.0	1014.5	1015.3	1014.6	1013.3	1012.0	1010.6	1009.3	1009.1	1008.9
172.5°	1016.1	1017.6	1019.1	1019.9	1019.3	1018.1	1017.0	1015.8	1014.6	1014.3	1013.9
175°	1019.9	1021.4	1022.9	1023.7	1023.0	1021.7	1020.3	1019.0	1017.6	1017.4	1017.2
177.5°	1021.8	1023.2	1024.5	1025.2	1024.6	1023.4	1022.3	1021.1	1019.9	1019.7	1019.5
180°	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4

TEST NUMBER: P1026889

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5
2.5°	540.7	538.5	535.8	535.8	532.7	531.3	528.7	527.8	525.5	522.0	519.3
5°	559.9	554.1	550.5	547.4	540.7	535.8	530.9	525.5	520.2	513.9	506.8
7.5°	578.6	567.9	563.0	557.7	547.8	537.6	527.8	520.6	513.5	503.7	494.8
10°	598.3	584.9	576.0	568.8	553.6	540.7	526.4	516.2	505.0	492.5	480.9
12.5°	614.8	597.4	589.8	576.4	559.0	543.4	525.5	509.9	495.2	480.5	466.2
15°	628.6	612.1	593.4	588.0	563.9	541.6	521.5	501.4	483.2	468.4	451.9
17.5°	633.1	612.1	602.7	589.8	561.2	538.0	512.6	490.7	473.3	451.5	438.5
20°	634.4	614.3	601.4	589.3	563.9	533.1	508.1	481.4	460.4	438.5	418.0
22.5°	630.8	607.2	594.7	583.1	554.5	528.2	499.2	469.8	445.2	425.2	404.6
25°	624.1	596.5	584.4	571.9	544.7	515.7	484.1	455.9	433.2	409.1	389.0
27.5°	615.2	583.5	569.7	556.8	530.0	502.8	472.9	443.9	418.5	393.0	374.3
30°	604.1	567.5	555.0	538.0	512.2	486.3	459.1	430.1	401.5	377.4	356.9
32.5°	589.8	551.4	534.9	518.8	490.7	467.1	441.2	414.0	386.3	362.7	341.3
35°	576.8	533.1	514.8	498.8	467.5	442.6	421.1	395.7	371.2	346.6	327.5
37.5°	559.4	514.8	493.0	476.5	444.8	419.4	399.3	379.7	353.8	330.1	312.3
40°	541.2	492.1	471.6	455.1	422.0	394.4	375.2	357.8	336.8	315.0	296.2
42.5°	524.6	470.2	448.4	428.3	394.8	370.3	350.7	337.3	318.1	298.5	281.5
45°	503.7	447.0	423.4	402.4	370.3	343.5	324.8	314.1	299.8	280.6	265.9
47.5°	482.3	422.0	397.5	377.0	342.2	318.5	300.2	290.0	280.2	265.0	250.3
50°	454.2	395.7	373.4	349.8	315.4	291.3	276.2	265.9	258.3	247.6	235.1
52.5°	423.4	368.5	344.4	323.9	290.0	268.1	250.7	244.9	237.3	229.3	218.6
55°	390.8	339.1	315.9	295.8	264.6	242.2	228.0	221.7	215.9	209.7	202.5
57.5°	358.2	308.3	286.4	268.6	239.6	218.2	206.6	198.1	194.1	190.5	184.7
60°	317.6	275.3	258.3	242.2	213.7	194.1	182.9	176.7	173.1	171.3	168.6
62.5°	282.0	247.2	228.4	212.8	190.1	172.7	161.9	157.0	153.9	153.0	149.9
65°	244.0	214.1	199.4	186.0	166.4	150.8	141.9	136.1	133.8	133.4	133.4
67.5°	208.3	184.3	169.5	160.2	143.2	129.4	120.9	118.7	117.3	115.5	115.1
70°	174.9	155.7	142.8	134.7	119.6	109.3	102.6	99.0	99.0	97.7	96.8
72.5°	145.4	126.3	117.8	111.1	98.6	89.7	84.8	83.9	80.7	80.3	80.3
75°	113.8	99.5	93.7	87.9	78.5	72.3	68.3	66.0	64.2	64.2	64.7
77.5°	85.7	75.8	70.5	66.0	59.3	55.3	52.2	51.3	49.5	49.5	49.5
80°	60.7	55.3	51.3	47.7	42.8	39.3	37.5	35.7	35.7	35.2	35.7
82.5°	39.3	34.8	32.6	32.1	27.7	26.3	24.1	24.5	23.2	22.8	23.6
85°	22.8	20.5	17.8	17.0	15.2	13.4	12.5	12.9	12.5	12.0	12.5
87.5°	8.9	7.6	7.1	7.1	5.8	5.4	4.9	5.4	4.5	4.5	4.9
90°	8.6	7.4	6.8	6.1	4.8	3.5	2.1	0.8	2.1	3.5	4.8
92.5°	9.1	8.1	7.6	8.4	9.9	11.4	12.9	14.4	12.9	11.4	9.9
95°	31.3	37.7	40.9	41.2	41.7	42.2	42.7	43.2	42.7	42.2	41.7
97.5°	61.6	77.6	85.6	85.1	84.1	83.0	82.0	81.0	82.0	83.0	84.1
100°	129.7	129.0	128.7	128.4	127.9	127.4	126.9	126.4	126.9	127.4	127.9
102.5°	176.2	175.9	175.7	175.4	174.7	174.0	173.3	172.6	173.3	174.0	174.7
105°	225.6	225.6	225.6	225.3	224.6	223.9	223.3	222.6	223.3	223.9	224.6
107.5°	274.6	274.3	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1
110°	324.6	324.3	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1

TEST NUMBER: P1026889

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	373.5	373.4	373.3	373.0	372.5	372.0	371.5	371.0	371.5	372.0	372.5
115°	422.0	421.8	421.7	421.3	420.4	419.6	418.7	417.9	418.7	419.6	420.4
117.5°	468.2	467.5	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2
120°	512.6	512.1	511.8	511.9	512.1	512.2	512.4	512.6	512.4	512.2	512.1
122.5°	556.8	556.6	556.5	556.1	555.2	554.4	553.5	552.7	553.5	554.4	555.2
125°	599.7	599.7	599.7	599.1	597.9	596.8	595.6	594.4	595.6	596.8	597.9
127.5°	638.0	638.2	638.3	637.9	637.0	636.2	635.3	634.5	635.3	636.2	637.0
130°	674.9	674.7	674.6	674.2	673.3	672.5	671.6	670.8	671.6	672.5	673.3
132.5°	710.9	711.4	711.7	711.2	710.2	709.2	708.2	707.2	708.2	709.2	710.2
135°	745.3	745.6	745.8	745.3	744.3	743.2	742.2	741.2	742.2	743.2	744.3
137.5°	777.1	777.4	777.6	777.1	776.1	775.0	774.0	773.0	774.0	775.0	776.1
140°	805.3	805.5	805.6	805.4	805.1	804.8	804.4	804.1	804.4	804.8	805.1
142.5°	833.4	833.1	832.9	832.8	832.6	832.5	832.3	832.1	832.3	832.5	832.6
145°	860.9	860.9	860.9	860.7	860.4	860.1	859.7	859.4	859.7	860.1	860.4
147.5°	883.8	883.7	883.6	883.6	883.6	883.6	883.6	883.6	883.6	883.6	883.6
150°	905.3	905.0	904.8	905.0	905.3	905.6	906.0	906.3	906.0	905.6	905.3
152.5°	925.0	924.7	924.5	924.9	925.8	926.6	927.5	928.3	927.5	926.6	925.8
155°	942.4	942.1	941.9	942.4	943.4	944.4	945.4	946.4	945.4	944.4	943.4
157.5°	958.5	958.5	958.5	958.8	959.3	959.8	960.3	960.8	960.3	959.8	959.3
160°	971.7	971.5	971.4	971.9	972.9	974.0	975.0	976.0	975.0	974.0	972.9
162.5°	983.8	983.6	983.5	984.0	985.0	986.1	987.1	988.1	987.1	986.1	985.0
165°	994.4	994.2	994.1	994.6	995.6	996.7	997.7	998.7	997.7	996.7	995.6
167.5°	1002.7	1002.6	1002.5	1003.0	1004.0	1005.0	1006.0	1007.0	1006.0	1005.0	1004.0
170°	1008.8	1008.6	1008.5	1009.1	1010.3	1011.4	1012.6	1013.8	1012.6	1011.4	1010.3
172.5°	1013.6	1013.3	1013.1	1013.7	1014.9	1016.0	1017.2	1018.4	1017.2	1016.0	1014.9
175°	1017.1	1016.9	1016.8	1017.3	1018.3	1019.4	1020.4	1021.4	1020.4	1019.4	1018.3
177.5°	1019.4	1019.2	1019.1	1019.6	1020.6	1021.7	1022.7	1023.7	1022.7	1021.7	1020.6
180°	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4

TEST NUMBER: P1026889

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5
2.5°	518.4	517.5	515.3	513.9	509.5	504.1	502.3	497.9	499.7	496.5	496.5
5°	504.6	500.6	497.9	493.9	485.4	479.6	473.3	470.2	468.4	466.2	464.4
7.5°	486.7	483.6	480.9	473.3	464.0	455.9	448.4	445.2	439.4	435.4	433.6
10°	471.1	466.7	460.4	451.5	441.7	431.4	424.7	418.0	413.6	411.3	406.4
12.5°	455.1	449.7	443.0	430.1	419.4	413.1	401.1	394.8	392.6	390.8	385.0
15°	438.5	432.7	424.7	412.7	403.3	388.6	381.4	376.5	371.2	370.7	366.3
17.5°	423.8	416.7	410.0	395.3	383.7	370.7	366.7	361.4	356.5	351.1	348.9
20°	405.1	398.4	393.5	377.4	364.5	356.5	349.8	345.3	342.2	336.8	335.9
22.5°	388.1	381.0	374.3	362.3	351.1	340.8	332.8	327.9	326.6	324.3	320.3
25°	371.6	364.5	356.5	345.3	333.7	326.6	319.4	316.3	313.6	310.1	306.9
27.5°	357.8	351.1	343.5	329.7	319.9	314.5	306.9	303.4	299.8	298.0	296.7
30°	341.3	333.7	327.9	317.2	306.5	299.4	294.0	290.9	287.8	286.0	285.1
32.5°	325.2	318.1	314.1	302.5	294.0	285.5	281.5	279.3	277.5	275.7	273.9
35°	312.3	305.2	298.9	288.2	279.7	273.9	270.8	267.2	265.9	264.1	264.1
37.5°	296.2	290.9	284.6	274.4	266.8	262.3	259.6	255.2	254.7	253.8	252.5
40°	282.4	277.0	271.2	262.3	255.6	250.3	246.7	244.5	243.1	242.2	241.4
42.5°	267.7	261.9	259.2	248.9	243.1	237.8	236.0	233.8	233.3	231.5	229.3
45°	253.4	248.5	243.1	235.6	230.6	226.2	223.5	221.7	219.5	219.0	217.7
47.5°	240.9	235.1	230.2	223.1	217.7	214.1	211.9	209.7	207.9	206.6	205.2
50°	224.8	220.4	216.4	208.8	204.3	200.8	197.6	195.9	194.1	194.1	194.1
52.5°	209.2	205.2	201.7	196.3	190.9	187.8	184.3	182.9	182.0	180.7	182.0
55°	194.1	190.1	186.5	182.5	176.2	173.5	170.0	168.6	169.1	169.1	170.4
57.5°	178.0	174.9	172.7	167.7	161.9	159.3	157.0	155.7	155.7	157.5	157.9
60°	162.4	159.3	155.3	150.8	147.2	144.1	142.8	143.2	143.2	144.1	146.3
62.5°	145.0	143.2	141.0	134.7	132.5	130.3	128.5	129.8	129.4	131.6	134.7
65°	128.9	127.1	124.0	120.9	118.2	116.0	115.5	116.0	116.9	119.1	122.7
67.5°	111.1	111.1	108.4	105.7	103.5	101.3	101.7	102.2	103.1	105.7	111.1
70°	96.4	94.6	91.9	90.1	88.3	87.4	86.5	88.3	91.0	92.8	96.8
72.5°	80.3	79.0	76.7	74.9	74.5	73.6	73.2	74.1	76.7	79.9	84.3
75°	63.4	63.8	62.5	61.1	61.1	59.8	60.7	60.7	63.4	66.5	70.0
77.5°	49.1	48.6	48.2	47.3	46.8	46.8	46.8	47.7	50.4	52.2	55.8
80°	34.8	35.2	33.9	34.4	33.9	34.4	34.4	36.1	37.5	39.7	42.4
82.5°	23.2	23.2	22.3	22.8	22.8	22.8	23.2	24.1	25.9	27.7	29.4
85°	12.9	13.4	12.5	13.4	13.4	13.4	13.8	14.3	15.6	16.1	17.8
87.5°	4.9	5.8	5.8	4.9	5.4	5.8	6.2	5.8	6.7	7.6	8.0
90°	6.1	6.8	7.4	8.6	9.7	10.9	12.1	12.9	13.8	14.6	15.5
92.5°	8.4	7.6	8.1	9.1	10.1	11.1	12.1	12.9	13.8	14.6	15.5
95°	41.2	40.9	37.7	31.3	24.9	18.5	12.1	12.9	13.8	14.6	15.5
97.5°	85.1	85.6	77.6	61.6	45.6	29.6	13.6	13.9	14.3	14.6	14.9
100°	128.4	128.7	129.0	129.7	130.4	131.0	131.7	106.6	81.6	56.5	31.4
102.5°	175.4	175.7	175.9	176.2	176.5	176.9	177.2	177.5	177.9	178.2	178.5
105°	225.3	225.6	225.6	225.6	225.6	225.6	225.6	225.6	225.6	225.6	225.6
107.5°	274.1	274.1	274.3	274.6	274.9	275.3	275.6	275.8	276.0	276.1	276.3
110°	324.1	324.1	324.3	324.6	324.9	325.3	325.6	325.1	324.6	324.1	323.6

TEST NUMBER: P1026889

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	373.0	373.3	373.4	373.5	373.7	373.8	374.0	373.3	372.7	372.0	371.3
115°	421.3	421.7	421.8	422.0	422.1	422.3	422.5	421.8	421.2	420.5	419.8
117.5°	467.2	467.2	467.5	468.2	468.9	469.5	470.2	469.2	468.2	467.1	466.1
120°	511.9	511.8	512.1	512.6	513.1	513.6	514.1	513.8	513.4	513.1	512.8
122.5°	556.1	556.5	556.6	556.8	556.9	557.1	557.3	556.9	556.6	556.2	555.9
125°	599.1	599.7	599.7	599.7	599.7	599.7	599.7	599.0	598.3	597.6	596.9
127.5°	637.9	638.3	638.2	638.0	637.9	637.7	637.5	637.2	636.8	636.5	636.2
130°	674.2	674.6	674.7	674.9	675.0	675.2	675.4	674.9	674.4	673.9	673.4
132.5°	711.2	711.7	711.4	710.9	710.4	709.9	709.4	709.4	709.4	709.4	709.4
135°	745.3	745.8	745.6	745.3	745.0	744.6	744.3	744.0	743.6	743.3	743.0
137.5°	777.1	777.6	777.4	777.1	776.8	776.4	776.1	776.1	776.1	776.1	776.1
140°	805.4	805.6	805.5	805.3	805.2	805.0	804.8	805.2	805.5	805.9	806.2
142.5°	832.8	832.9	833.1	833.4	833.7	834.1	834.4	834.4	834.4	834.4	834.4
145°	860.7	860.9	860.9	860.9	860.9	860.9	860.9	861.1	861.2	861.4	861.5
147.5°	883.6	883.6	883.7	883.8	884.0	884.1	884.3	884.5	884.7	884.8	885.0
150°	905.0	904.8	905.0	905.3	905.6	906.0	906.3	906.6	907.0	907.3	907.6
152.5°	924.9	924.5	924.7	925.0	925.3	925.7	926.0	926.3	926.7	927.0	927.3
155°	942.4	941.9	942.1	942.4	942.7	943.1	943.4	943.9	944.4	944.9	945.4
157.5°	958.8	958.5	958.5	958.5	958.5	958.5	958.5	959.0	959.5	960.0	960.5
160°	971.9	971.4	971.5	971.7	971.8	972.0	972.2	972.9	973.5	974.2	974.9
162.5°	984.0	983.5	983.6	983.8	983.9	984.1	984.3	985.3	986.3	987.3	988.3
165°	994.6	994.1	994.2	994.4	994.5	994.7	994.9	995.9	996.9	997.9	998.9
167.5°	1003.0	1002.5	1002.6	1002.7	1002.9	1003.0	1003.2	1004.4	1005.6	1006.7	1007.9
170°	1009.1	1008.5	1008.6	1008.8	1008.9	1009.1	1009.3	1010.6	1012.0	1013.3	1014.6
172.5°	1013.7	1013.1	1013.3	1013.6	1013.9	1014.3	1014.6	1015.8	1017.0	1018.1	1019.3
175°	1017.3	1016.8	1016.9	1017.1	1017.2	1017.4	1017.6	1019.0	1020.3	1021.7	1023.0
177.5°	1019.6	1019.1	1019.2	1019.4	1019.5	1019.7	1019.9	1021.1	1022.3	1023.4	1024.6
180°	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4

TEST NUMBER: P1026889

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5
2.5°	498.3	495.2	494.8	495.7	493.9	496.5	495.7	496.5	494.3	496.5	495.2
5°	464.0	463.1	461.3	459.1	459.5	460.0	462.2	460.0	461.7	462.2	464.4
7.5°	431.9	430.1	431.4	430.5	426.5	425.6	426.5	427.8	430.5	432.3	433.6
10°	406.0	405.1	403.3	402.0	399.7	398.4	400.2	398.4	402.0	405.1	405.1
12.5°	386.3	382.8	380.5	380.1	375.2	376.1	377.9	379.2	383.2	385.0	385.0
15°	365.8	363.1	362.3	360.5	358.7	360.5	359.6	360.9	362.7	364.5	365.4
17.5°	348.0	347.5	348.0	343.5	344.9	342.6	343.1	345.3	344.0	345.3	348.0
20°	331.9	332.8	331.5	329.7	329.7	327.0	330.1	329.2	329.7	332.4	336.4
22.5°	319.9	319.4	318.1	316.8	315.0	315.4	315.9	315.0	318.5	320.8	321.2
25°	306.9	306.0	305.6	304.3	302.5	304.3	303.8	304.3	305.2	308.7	306.0
27.5°	294.9	293.1	294.0	292.7	292.2	292.7	292.7	293.1	294.0	294.4	294.9
30°	284.6	282.8	282.4	281.5	281.1	281.5	282.4	281.5	285.1	284.6	284.6
32.5°	273.5	272.1	271.2	271.2	270.8	270.4	270.8	271.2	273.9	272.1	273.9
35°	262.8	261.9	261.9	261.0	260.5	260.5	260.5	262.3	261.4	262.8	262.8
37.5°	252.5	252.5	252.1	251.2	250.7	251.2	250.7	251.6	251.2	251.6	252.1
40°	241.8	240.9	240.5	240.5	239.1	237.8	239.1	239.1	239.6	240.9	241.4
42.5°	228.9	229.3	229.3	227.5	227.5	227.5	228.0	228.4	228.4	229.3	229.3
45°	217.7	216.8	216.8	216.8	215.9	216.4	217.3	217.3	217.3	217.3	216.4
47.5°	205.2	205.2	205.7	205.7	207.0	206.6	206.6	206.1	205.2	205.2	205.7
50°	193.6	195.0	195.4	195.4	195.9	196.3	196.3	195.4	195.0	193.6	193.6
52.5°	182.5	183.4	184.3	185.6	186.5	186.0	186.0	185.1	183.4	182.9	182.5
55°	170.4	171.8	173.5	174.9	176.2	176.7	176.7	174.9	173.1	170.9	170.9
57.5°	159.3	160.6	163.7	165.1	166.9	166.9	166.0	164.6	161.9	160.2	158.8
60°	148.1	150.3	152.6	155.3	157.5	157.9	156.6	154.8	151.7	149.5	147.7
62.5°	136.1	138.3	142.8	145.4	147.2	147.2	147.2	145.0	141.0	137.9	135.2
65°	124.5	126.7	130.7	134.3	135.6	137.0	135.6	133.4	130.3	126.7	124.0
67.5°	112.4	115.1	119.1	121.8	123.6	124.9	124.0	122.2	118.2	113.3	111.5
70°	99.0	100.4	106.2	108.9	111.5	112.4	111.5	108.9	104.8	99.5	97.7
72.5°	86.5	87.9	93.2	95.5	97.7	98.6	97.3	95.5	91.9	87.0	84.8
75°	72.3	74.5	77.2	80.7	83.4	84.3	83.0	81.6	77.2	74.1	72.3
77.5°	57.1	59.3	62.9	66.0	68.7	68.3	66.5	66.9	62.0	58.4	57.1
80°	43.3	45.1	47.7	50.4	51.8	51.8	51.3	49.5	47.7	45.1	42.8
82.5°	29.9	32.1	34.4	36.1	36.1	36.6	35.7	35.2	33.5	31.2	30.8
85°	17.8	18.3	20.1	20.1	21.9	21.0	20.5	21.9	20.1	18.7	18.3
87.5°	8.0	7.6	8.0	8.0	7.6	8.5	8.5	8.0	8.5	8.0	8.0
90°	15.9	16.2	16.7	17.2	17.7	18.2	17.7	17.2	16.7	16.2	15.9
92.5°	15.9	16.0	16.2	16.3	16.5	16.7	16.5	16.3	16.2	16.0	15.9
95°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
97.5°	15.1	15.2	15.4	15.5	15.7	15.9	15.7	15.5	15.4	15.2	15.1
100°	18.9	18.6	17.9	17.2	16.6	15.9	16.6	17.2	17.9	18.6	18.9
102.5°	178.7	171.6	157.5	143.4	129.2	115.1	129.2	143.4	157.5	171.6	178.7
105°	225.6	225.5	225.4	225.2	225.1	224.9	225.1	225.2	225.4	225.5	225.6
107.5°	276.4	276.1	275.4	274.7	274.0	273.3	274.0	274.7	275.4	276.1	276.4
110°	323.3	323.4	323.6	323.7	323.9	324.1	323.9	323.7	323.6	323.4	323.3

TEST NUMBER: P1026889

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	371.0	370.8	370.5	370.2	369.8	369.5	369.8	370.2	370.5	370.8	371.0
115°	419.5	419.0	418.0	416.9	415.9	414.9	415.9	416.9	418.0	419.0	419.5
117.5°	465.6	465.4	465.1	464.8	464.4	464.1	464.4	464.8	465.1	465.4	465.6
120°	512.6	512.2	511.3	510.5	509.6	508.8	509.6	510.5	511.3	512.2	512.6
122.5°	555.7	555.2	554.2	553.2	552.2	551.2	552.2	553.2	554.2	555.2	555.7
125°	596.6	596.4	595.9	595.4	594.9	594.4	594.9	595.4	595.9	596.4	596.6
127.5°	636.0	635.3	634.0	632.6	631.3	629.9	631.3	632.6	634.0	635.3	636.0
130°	673.1	672.7	671.8	671.0	670.1	669.3	670.1	671.0	671.8	672.7	673.1
132.5°	709.4	709.0	708.2	707.3	706.5	705.7	706.5	707.3	708.2	709.0	709.4
135°	742.8	742.3	741.3	740.2	739.2	738.2	739.2	740.2	741.3	742.3	742.8
137.5°	776.1	775.7	774.8	774.0	773.1	772.3	773.1	774.0	774.8	775.7	776.1
140°	806.4	805.9	804.9	803.8	802.8	801.8	802.8	803.8	804.9	805.9	806.4
142.5°	834.4	833.9	832.9	831.8	830.8	829.8	830.8	831.8	832.9	833.9	834.4
145°	861.6	861.1	860.1	859.1	858.1	857.1	858.1	859.1	860.1	861.1	861.6
147.5°	885.1	884.5	883.3	882.2	881.0	879.8	881.0	882.2	883.3	884.5	885.1
150°	907.8	907.1	905.8	904.5	903.1	901.8	903.1	904.5	905.8	907.1	907.8
152.5°	927.5	926.9	925.7	924.6	923.4	922.2	923.4	924.6	925.7	926.9	927.5
155°	945.7	945.0	943.7	942.3	941.0	939.6	941.0	942.3	943.7	945.0	945.7
157.5°	960.8	960.1	958.8	957.5	956.1	954.8	956.1	957.5	958.8	960.1	960.8
160°	975.2	974.5	973.2	971.8	970.5	969.1	970.5	971.8	973.2	974.5	975.2
162.5°	988.8	988.0	986.5	985.0	983.5	982.0	983.5	985.0	986.5	988.0	988.8
165°	999.4	998.7	997.4	996.1	994.7	993.4	994.7	996.1	997.4	998.7	999.4
167.5°	1008.5	1007.7	1006.2	1004.7	1003.2	1001.7	1003.2	1004.7	1006.2	1007.7	1008.5
170°	1015.3	1014.5	1013.0	1011.5	1010.0	1008.5	1010.0	1011.5	1013.0	1014.5	1015.3
172.5°	1019.9	1019.1	1017.6	1016.1	1014.6	1013.1	1014.6	1016.1	1017.6	1019.1	1019.9
175°	1023.7	1022.9	1021.4	1019.9	1018.3	1016.8	1018.3	1019.9	1021.4	1022.9	1023.7
177.5°	1025.2	1024.5	1023.2	1021.8	1020.5	1019.1	1020.5	1021.8	1023.2	1024.5	1025.2
180°	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5
2.5°	499.2	496.5	499.7	495.7	496.5	501.4	501.0	505.5	508.1	507.7	509.9
5°	466.2	466.2	467.5	467.1	471.6	475.6	480.9	485.4	490.3	493.0	496.1
7.5°	433.6	438.1	439.0	441.2	446.6	453.3	458.6	465.3	472.5	477.4	480.9
10°	406.9	410.4	414.0	415.8	421.6	430.5	438.1	448.8	457.7	463.1	468.0
12.5°	383.2	387.2	389.0	397.1	401.1	406.9	417.6	429.2	439.0	444.8	448.8
15°	366.3	368.5	372.5	377.4	381.4	388.6	397.5	410.4	419.8	424.7	438.5
17.5°	352.0	354.7	356.9	359.1	365.4	373.0	381.4	392.6	404.6	413.1	420.3
20°	337.3	338.6	341.3	344.9	349.3	356.5	364.0	375.6	386.3	393.0	402.4
22.5°	319.9	323.9	326.6	329.2	334.2	342.2	349.3	357.8	371.2	378.8	388.6
25°	309.6	311.4	313.2	316.3	319.9	327.0	335.0	344.0	354.7	362.7	371.2
27.5°	296.2	298.9	301.1	305.2	307.4	313.2	320.8	329.7	342.6	349.3	356.5
30°	285.1	287.8	289.5	291.3	294.4	300.7	307.8	315.0	327.0	335.5	342.6
32.5°	273.9	276.6	278.8	280.2	283.3	287.3	293.1	302.0	312.3	318.1	327.5
35°	264.1	264.1	266.8	268.6	271.2	274.8	280.2	286.9	297.6	305.2	313.6
37.5°	253.0	253.4	255.6	257.0	259.6	263.2	268.6	274.8	283.7	289.5	298.0
40°	241.4	242.7	243.6	245.8	248.9	250.3	255.6	262.8	271.7	277.0	284.2
42.5°	229.8	230.6	232.9	234.7	237.3	239.6	243.1	249.8	256.5	264.6	270.4
45°	216.8	219.0	220.4	223.5	224.8	227.1	230.6	236.0	244.0	248.9	255.6
47.5°	205.7	206.6	207.5	211.5	214.1	215.5	219.0	222.2	230.6	235.1	241.4
50°	193.6	193.6	195.0	196.7	199.9	202.5	205.7	209.2	215.9	220.4	226.6
52.5°	182.5	181.1	182.0	182.9	186.0	188.7	191.8	196.7	203.0	205.7	211.0
55°	170.4	168.2	169.5	170.9	171.8	175.3	178.9	182.0	186.9	190.9	195.9
57.5°	157.5	157.0	156.1	156.6	158.8	161.1	163.7	167.7	173.5	176.7	179.3
60°	145.9	143.2	142.3	143.2	144.5	145.9	149.5	153.0	157.9	161.1	164.2
62.5°	133.8	131.2	129.4	128.0	129.4	132.5	134.7	137.4	141.4	145.0	147.7
65°	122.2	118.2	116.4	115.5	115.1	117.3	119.1	122.7	126.3	127.6	130.7
67.5°	109.3	105.7	103.5	102.2	102.2	102.2	103.9	107.5	111.1	111.5	114.7
70°	96.4	92.3	90.1	88.3	87.4	88.3	90.6	91.0	94.1	95.0	96.8
72.5°	82.5	79.0	76.3	74.1	74.5	75.4	75.4	76.3	78.1	80.3	80.3
75°	69.6	64.7	63.4	61.6	60.7	60.7	60.7	62.5	63.8	65.6	65.1
77.5°	54.9	52.2	49.5	48.6	47.3	46.8	47.7	47.7	48.6	50.0	50.4
80°	42.4	39.3	37.5	36.6	34.8	34.4	34.8	34.8	36.1	35.7	36.1
82.5°	29.4	27.2	25.9	24.5	23.6	24.1	23.6	23.6	24.1	23.6	23.6
85°	17.0	16.5	15.6	15.2	14.7	13.8	14.7	14.3	13.8	13.4	14.3
87.5°	8.0	7.6	7.6	6.7	6.7	6.2	6.7	6.7	6.2	6.2	6.2
90°	15.5	14.6	13.8	12.9	12.1	10.9	9.7	8.6	7.4	6.8	6.1
92.5°	15.5	14.6	13.8	12.9	12.1	11.1	10.1	9.1	8.1	7.6	8.4
95°	15.5	14.6	13.8	12.9	12.1	18.5	24.9	31.3	37.7	40.9	41.2
97.5°	14.9	14.6	14.3	13.9	13.6	29.6	45.6	61.6	77.6	85.6	85.1
100°	31.4	56.5	81.6	106.6	131.7	131.0	130.4	129.7	129.0	128.7	128.4
102.5°	178.5	178.2	177.9	177.5	177.2	176.9	176.5	176.2	175.9	175.7	175.4
105°	225.6	225.6	225.6	225.6	225.6	225.6	225.6	225.6	225.6	225.6	225.3
107.5°	276.3	276.1	276.0	275.8	275.6	275.3	274.9	274.6	274.3	274.1	274.1
110°	323.6	324.1	324.6	325.1	325.6	325.3	324.9	324.6	324.3	324.1	324.1

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	371.3	372.0	372.7	373.3	374.0	373.8	373.7	373.5	373.4	373.3	373.0
115°	419.8	420.5	421.2	421.8	422.5	422.3	422.1	422.0	421.8	421.7	421.3
117.5°	466.1	467.1	468.2	469.2	470.2	469.5	468.9	468.2	467.5	467.2	467.2
120°	512.8	513.1	513.4	513.8	514.1	513.6	513.1	512.6	512.1	511.8	511.9
122.5°	555.9	556.2	556.6	556.9	557.3	557.1	556.9	556.8	556.6	556.5	556.1
125°	596.9	597.6	598.3	599.0	599.7	599.7	599.7	599.7	599.7	599.7	599.1
127.5°	636.2	636.5	636.8	637.2	637.5	637.7	637.9	638.0	638.2	638.3	637.9
130°	673.4	673.9	674.4	674.9	675.4	675.2	675.0	674.9	674.7	674.6	674.2
132.5°	709.4	709.4	709.4	709.4	709.4	709.9	710.4	710.9	711.4	711.7	711.2
135°	743.0	743.3	743.6	744.0	744.3	744.6	745.0	745.3	745.6	745.8	745.3
137.5°	776.1	776.1	776.1	776.1	776.1	776.4	776.8	777.1	777.4	777.6	777.1
140°	806.2	805.9	805.5	805.2	804.8	805.0	805.2	805.3	805.5	805.6	805.4
142.5°	834.4	834.4	834.4	834.4	834.4	834.1	833.7	833.4	833.1	832.9	832.8
145°	861.5	861.4	861.2	861.1	860.9	860.9	860.9	860.9	860.9	860.9	860.7
147.5°	885.0	884.8	884.7	884.5	884.3	884.1	884.0	883.8	883.7	883.6	883.6
150°	907.6	907.3	907.0	906.6	906.3	906.0	905.6	905.3	905.0	904.8	905.0
152.5°	927.3	927.0	926.7	926.3	926.0	925.7	925.3	925.0	924.7	924.5	924.9
155°	945.4	944.9	944.4	943.9	943.4	943.1	942.7	942.4	942.1	941.9	942.4
157.5°	960.5	960.0	959.5	959.0	958.5	958.5	958.5	958.5	958.5	958.5	958.8
160°	974.9	974.2	973.5	972.9	972.2	972.0	971.8	971.7	971.5	971.4	971.9
162.5°	988.3	987.3	986.3	985.3	984.3	984.1	983.9	983.8	983.6	983.5	984.0
165°	998.9	997.9	996.9	995.9	994.9	994.7	994.5	994.4	994.2	994.1	994.6
167.5°	1007.9	1006.7	1005.6	1004.4	1003.2	1003.0	1002.9	1002.7	1002.6	1002.5	1003.0
170°	1014.6	1013.3	1012.0	1010.6	1009.3	1009.1	1008.9	1008.8	1008.6	1008.5	1009.1
172.5°	1019.3	1018.1	1017.0	1015.8	1014.6	1014.3	1013.9	1013.6	1013.3	1013.1	1013.7
175°	1023.0	1021.7	1020.3	1019.0	1017.6	1017.4	1017.2	1017.1	1016.9	1016.8	1017.3
177.5°	1024.6	1023.4	1022.3	1021.1	1019.9	1019.7	1019.5	1019.4	1019.2	1019.1	1019.6
180°	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4	1021.4

TEST NUMBER: P1026889

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	525.5	525.5	525.5	525.5
2.5°	513.0	517.5	520.6	526.4
5°	501.4	509.5	517.1	525.1
7.5°	489.9	499.2	511.3	521.5
10°	476.9	489.0	503.2	517.1
12.5°	464.0	478.3	493.9	512.2
15°	448.4	466.7	484.9	504.6
17.5°	434.5	453.3	472.9	497.4
20°	418.9	439.4	460.9	485.8
22.5°	405.1	427.8	450.1	476.5
25°	389.5	411.8	436.3	464.4
27.5°	376.5	397.1	421.1	451.5
30°	360.9	383.2	407.3	437.7
32.5°	346.2	367.6	393.0	422.9
35°	331.0	352.9	375.6	404.2
37.5°	316.8	335.5	358.2	385.5
40°	300.7	321.2	341.7	363.1
42.5°	286.0	304.7	323.9	340.8
45°	269.5	285.5	303.8	317.6
47.5°	254.3	268.6	282.8	293.6
50°	239.1	250.3	261.0	270.4
52.5°	221.3	233.8	239.6	245.4
55°	205.2	212.4	217.7	223.5
57.5°	189.6	192.7	195.4	200.8
60°	169.1	172.7	175.8	179.8
62.5°	151.2	153.0	153.9	157.9
65°	134.3	133.8	136.1	138.3
67.5°	116.0	115.5	117.8	118.7
70°	98.1	97.7	98.1	100.4
72.5°	81.2	81.2	81.6	82.5
75°	65.6	65.6	66.0	66.9
77.5°	49.5	50.4	50.0	51.8
80°	36.1	35.2	36.1	37.0
82.5°	23.6	24.5	24.5	23.6
85°	13.4	13.4	13.4	13.4
87.5°	5.8	5.8	6.2	6.7
90°	4.8	3.5	2.1	0.8
92.5°	9.9	11.4	12.9	14.4
95°	41.7	42.2	42.7	43.2
97.5°	84.1	83.0	82.0	81.0
100°	127.9	127.4	126.9	126.4
102.5°	174.7	174.0	173.3	172.6
105°	224.6	223.9	223.3	222.6
107.5°	274.1	274.1	274.1	274.1
110°	324.1	324.1	324.1	324.1

TEST NUMBER: P1026889

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	372.5	372.0	371.5	371.0
115°	420.4	419.6	418.7	417.9
117.5°	467.2	467.2	467.2	467.2
120°	512.1	512.2	512.4	512.6
122.5°	555.2	554.4	553.5	552.7
125°	597.9	596.8	595.6	594.4
127.5°	637.0	636.2	635.3	634.5
130°	673.3	672.5	671.6	670.8
132.5°	710.2	709.2	708.2	707.2
135°	744.3	743.2	742.2	741.2
137.5°	776.1	775.0	774.0	773.0
140°	805.1	804.8	804.4	804.1
142.5°	832.6	832.5	832.3	832.1
145°	860.4	860.1	859.7	859.4
147.5°	883.6	883.6	883.6	883.6
150°	905.3	905.6	906.0	906.3
152.5°	925.8	926.6	927.5	928.3
155°	943.4	944.4	945.4	946.4
157.5°	959.3	959.8	960.3	960.8
160°	972.9	974.0	975.0	976.0
162.5°	985.0	986.1	987.1	988.1
165°	995.6	996.7	997.7	998.7
167.5°	1004.0	1005.0	1006.0	1007.0
170°	1010.3	1011.4	1012.6	1013.8
172.5°	1014.9	1016.0	1017.2	1018.4
175°	1018.3	1019.4	1020.4	1021.4
177.5°	1020.6	1021.7	1022.7	1023.7
180°	1021.4	1021.4	1021.4	1021.4

(END OF REPORT)