

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: P1026892

Luminaire Tested: S125DIP-B375D850UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1026892
REPORT IS A COMBINATION OF REPORTS P1002071 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_4000K
Description: Define 5 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

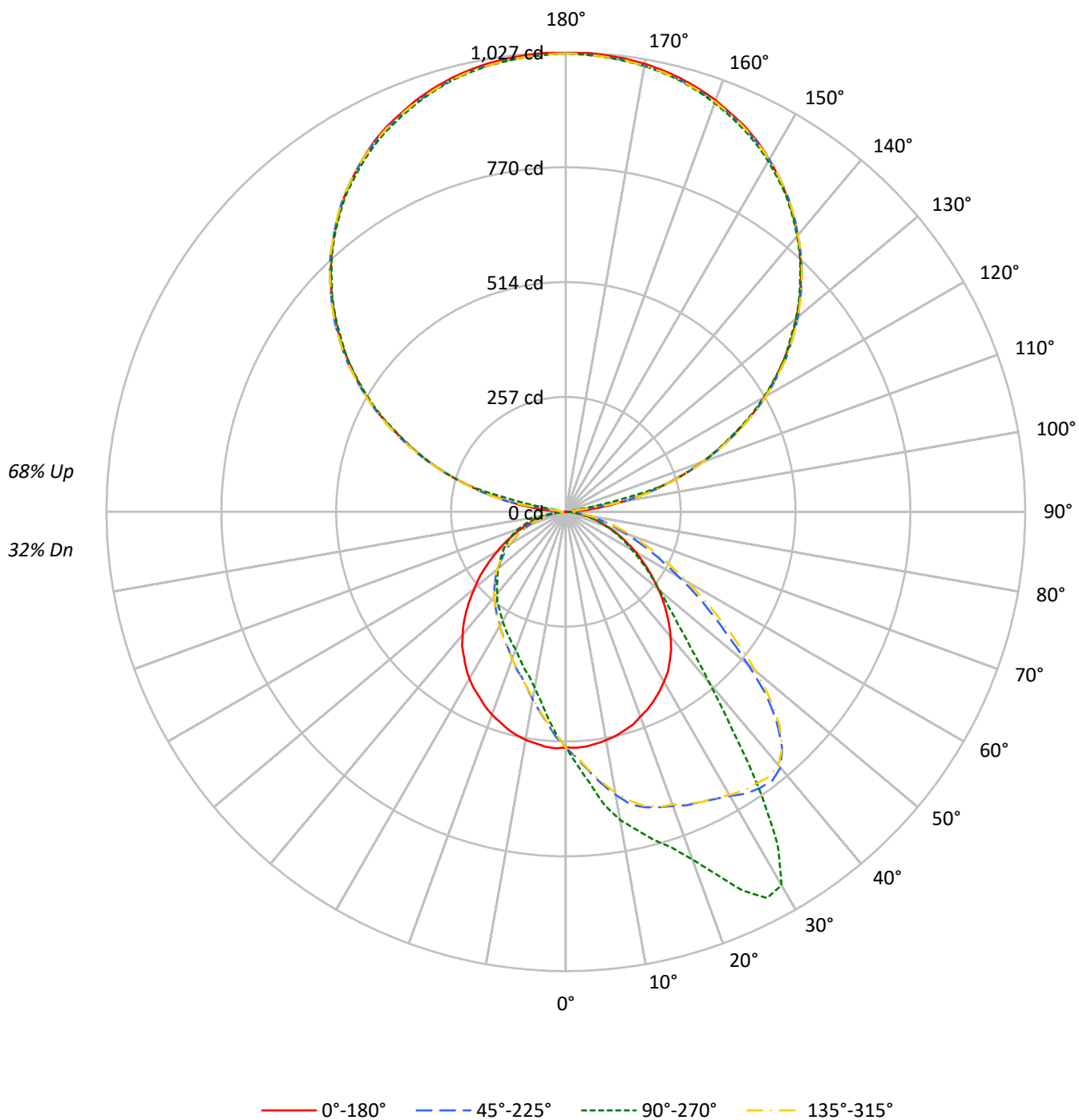
Lumens per Lamp: N/A
Luminaire Lumens: 4636.0 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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	42	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°	3377	3377	3377	3377
5°	3379	3830	3382	2906
10°	3359	4366	3353	2494
15°	3333	4733	3313	2253
20°	3291	5187	3262	2057
25°	3254	5943	3195	1941
30°	3200	6270	3145	1836
35°	3116	5026	3050	1751
40°	2983	3474	2939	1662
45°	2816	2586	2784	1588
50°	2624	2129	2580	1528
55°	2417	1816	2398	1476
60°	2215	1554	2175	1437
65°	1996	1343	1963	1378
70°	1763	1114	1741	1276
75°	1519	862	1499	1108
80°	1199	582	1157	815
85°	766	292	743	415

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 5157 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	1.1
10°-20°	151.1	3.3
20°-30°	245.4	5.3
30°-40°	299.9	6.5
40°-50°	272.0	5.9
50°-60°	216.7	4.7
60°-70°	150.9	3.3
70°-80°	80.4	1.7
80°-90°	21.5	0.5
90°-100°	34.8	0.8
100°-110°	231.2	5.0
110°-120°	416.4	9.0
120°-130°	534.5	11.5
130°-140°	574.9	12.4
140°-150°	539.6	11.6
150°-160°	436.4	9.4
160°-170°	282.3	6.1
170°-180°	97.3	2.1
0°-30°	447.2	9.6
0°-40°	747.1	16.1
0°-60°	1235.8	26.7
0°-90°	1488.5	32.1
90°-120°	682.5	14.7
90°-150°	2331.4	50.3
90°-180°	3147.0	67.9
0°-180°	4636.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	527	527	527	527	527	
5°	526	608	527	461	526	50
15°	506	759	503	361	506	143
25°	466	934	457	305	466	214
35°	405	750	397	261	405	253
45°	318	353	315	217	318	245
55°	224	218	222	177	224	200
65°	139	134	136	137	139	138
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	226	223	226	223	237
115°	419	416	419	416	419	416
125°	596	596	596	596	596	533
135°	744	741	744	741	744	573
145°	862	860	862	860	862	539
155°	949	943	949	943	949	437
165°	1002	996	1002	996	1002	283
175°	1025	1020	1025	1020	1025	98
180°	1025	1025	1025	1025	1025	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	527.9	531.0	534.6	537.2	541.7	543.1	545.3	546.6	548.0	549.3	550.2
5°	526.5	534.1	540.8	545.7	554.2	557.4	561.4	566.3	572.1	577.1	580.2
7.5°	522.9	535.0	544.0	553.8	565.4	573.0	577.1	587.3	596.7	603.9	613.3
10°	518.5	532.8	546.6	561.4	578.0	586.5	594.5	608.8	621.8	633.4	642.8
12.5°	513.5	531.0	547.5	566.8	589.1	599.4	604.8	629.4	645.5	651.8	670.1
15°	505.9	526.5	550.2	573.9	592.7	604.8	619.6	639.2	655.3	669.2	684.0
17.5°	498.8	521.1	545.3	571.7	599.0	614.6	625.8	643.3	660.7	678.6	692.5
20°	487.1	516.2	540.8	569.0	601.2	612.4	624.0	644.6	663.4	682.6	700.1
22.5°	477.8	505.5	539.0	565.9	593.2	604.3	618.7	640.1	662.5	684.4	709.9
25°	465.7	496.5	525.6	554.2	582.4	594.5	607.5	635.2	658.5	686.7	714.8
27.5°	452.7	484.5	513.5	539.5	565.9	582.4	596.3	625.4	656.2	687.1	723.8
30°	438.8	468.8	496.5	522.0	551.1	568.1	582.0	616.0	650.4	689.8	733.6
32.5°	424.1	452.3	476.0	501.9	532.8	548.4	567.2	604.3	645.1	692.0	747.0
35°	405.3	432.1	453.1	479.5	510.4	530.5	550.2	591.8	639.2	691.6	754.7
37.5°	386.5	407.5	427.7	455.8	491.6	510.0	530.5	576.2	630.3	690.2	757.8
40°	364.1	384.7	402.2	430.8	468.4	489.4	510.9	558.7	620.0	685.3	746.6
42.5°	341.8	359.2	378.4	408.4	444.6	467.0	489.8	543.1	606.6	671.0	715.7
45°	318.5	331.9	352.9	380.2	418.7	440.2	466.1	523.8	587.8	645.1	667.4
47.5°	294.3	307.8	327.4	353.8	391.9	417.4	442.0	499.7	564.1	608.4	608.4
50°	271.1	281.8	301.1	327.4	365.9	389.2	414.2	475.5	527.4	560.1	531.0
52.5°	246.0	258.1	274.2	301.9	340.0	361.0	388.3	440.6	489.8	503.2	458.5
55°	224.1	234.0	249.2	275.6	310.9	332.8	356.1	406.2	447.8	446.9	399.0
57.5°	201.3	209.4	225.5	249.6	282.3	301.9	325.2	368.6	402.6	390.5	345.3
60°	180.3	186.1	201.7	221.4	252.7	271.1	293.5	328.8	354.7	337.7	292.1
62.5°	158.4	165.1	177.6	196.8	224.6	239.3	255.9	291.7	308.2	293.0	246.5
65°	138.7	144.0	155.2	171.3	196.4	209.8	224.1	253.6	269.3	247.4	208.9
67.5°	119.0	125.3	133.3	147.6	167.3	179.8	192.4	217.9	225.0	205.3	173.1
70°	100.6	106.0	113.6	123.9	140.5	151.6	161.0	182.1	187.0	168.6	143.1
72.5°	82.8	86.3	92.6	101.1	116.3	122.6	132.4	146.7	153.0	136.4	118.1
75°	67.1	69.8	73.8	80.1	90.4	97.1	105.1	118.5	118.1	106.5	93.5
77.5°	51.9	52.3	56.8	62.6	68.9	74.7	78.7	88.1	89.0	81.9	71.1
80°	37.1	38.5	40.3	44.7	50.1	52.3	57.3	63.1	64.0	58.6	51.4
82.5°	23.7	24.6	25.9	28.6	32.2	34.9	37.6	39.8	42.0	38.9	33.1
85°	13.4	13.9	15.2	16.1	17.9	19.2	21.5	23.7	23.3	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	9.8	11.0	12.2
92.5°	14.4	12.9	11.4	9.9	8.4	7.6	8.1	9.1	10.2	11.2	12.2
95°	43.3	42.8	42.3	41.8	41.3	41.0	37.8	31.4	25.0	18.6	12.2
97.5°	81.3	82.3	83.3	84.3	85.3	85.8	77.8	61.8	45.7	29.7	13.7
100°	126.8	127.3	127.8	128.3	128.8	129.1	129.4	130.1	130.8	131.5	132.2
102.5°	173.2	173.9	174.5	175.2	175.9	176.2	176.4	176.7	177.0	177.4	177.7
105°	223.3	224.0	224.6	225.3	226.0	226.3	226.3	226.3	226.3	226.3	226.3
107.5°	275.0	275.0	275.0	275.0	275.0	275.0	275.2	275.5	275.8	276.2	276.5
110°	325.1	325.1	325.1	325.1	325.1	325.1	325.3	325.6	325.9	326.3	326.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	372.2	372.7	373.2	373.7	374.2	374.5	374.6	374.7	374.9	375.0	375.2
115°	419.3	420.1	421.0	421.8	422.7	423.1	423.2	423.3	423.5	423.6	423.8
117.5°	468.6	468.6	468.6	468.6	468.6	468.6	468.9	469.6	470.3	471.0	471.7
120°	514.2	514.0	513.9	513.7	513.6	513.5	513.7	514.2	514.7	515.2	515.7
122.5°	554.5	555.3	556.2	557.0	557.9	558.3	558.4	558.5	558.7	558.8	559.0
125°	596.3	597.5	598.7	599.8	601.0	601.6	601.6	601.6	601.6	601.6	601.6
127.5°	636.5	637.3	638.2	639.0	639.9	640.3	640.2	640.0	639.9	639.7	639.5
130°	673.0	673.8	674.7	675.5	676.4	676.8	676.9	677.0	677.2	677.3	677.5
132.5°	709.4	710.4	711.4	712.5	713.5	714.0	713.7	713.2	712.7	712.2	711.7
135°	743.6	744.6	745.6	746.7	747.7	748.2	748.0	747.7	747.3	747.0	746.6
137.5°	775.5	776.5	777.5	778.6	779.6	780.1	779.9	779.6	779.2	778.9	778.5
140°	806.6	807.0	807.3	807.7	808.0	808.2	808.1	807.9	807.8	807.6	807.4
142.5°	834.8	835.0	835.1	835.3	835.4	835.5	835.7	836.0	836.3	836.7	837.0
145°	862.1	862.4	862.8	863.1	863.4	863.6	863.6	863.6	863.6	863.6	863.6
147.5°	886.4	886.4	886.4	886.4	886.4	886.4	886.5	886.7	886.8	887.0	887.2
150°	909.2	908.9	908.5	908.2	907.9	907.7	907.9	908.2	908.5	908.9	909.2
152.5°	931.2	930.4	929.5	928.7	927.8	927.4	927.6	927.9	928.2	928.6	928.9
155°	949.4	948.4	947.4	946.4	945.4	944.9	945.1	945.4	945.7	946.1	946.4
157.5°	963.9	963.4	962.9	962.4	961.9	961.6	961.6	961.6	961.6	961.6	961.6
160°	979.1	978.1	977.1	976.0	975.0	974.5	974.6	974.8	974.9	975.1	975.3
162.5°	991.2	990.2	989.2	988.2	987.2	986.7	986.8	986.9	987.1	987.2	987.4
165°	1001.9	1000.9	999.9	998.8	997.8	997.3	997.4	997.6	997.7	997.9	998.1
167.5°	1010.2	1009.2	1008.2	1007.2	1006.2	1005.7	1005.8	1005.9	1006.1	1006.2	1006.4
170°	1017.0	1015.8	1014.6	1013.5	1012.3	1011.7	1011.8	1012.0	1012.1	1012.3	1012.5
172.5°	1021.6	1020.4	1019.2	1018.1	1016.9	1016.3	1016.5	1016.8	1017.1	1017.5	1017.8
175°	1024.6	1023.6	1022.6	1021.6	1020.6	1020.1	1020.2	1020.3	1020.5	1020.6	1020.8
177.5°	1026.9	1025.9	1024.9	1023.9	1022.9	1022.4	1022.5	1022.6	1022.8	1022.9	1023.1
180°	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	551.1	554.2	556.9	559.2	561.0	563.6	561.9	562.3	563.2	565.0	565.0
5°	586.9	591.8	594.5	603.5	605.7	605.2	603.9	611.1	610.6	607.9	607.5
7.5°	621.8	630.3	637.9	645.1	647.3	653.1	654.4	657.6	656.7	661.2	658.9
10°	653.6	667.0	674.1	684.9	687.6	690.2	693.8	695.6	699.6	699.2	699.2
12.5°	678.2	694.3	703.7	706.3	716.6	719.8	722.9	728.7	727.4	727.8	730.5
15°	697.4	713.0	721.1	733.6	740.8	744.4	749.7	756.0	755.1	759.1	758.2
17.5°	711.7	726.5	741.2	760.0	760.5	769.9	782.4	785.1	790.9	786.9	786.9
20°	723.3	743.0	764.0	788.2	790.9	796.7	811.9	822.2	828.9	826.7	828.0
22.5°	735.9	764.0	788.6	812.8	825.8	836.1	850.8	866.9	872.7	876.3	875.4
25°	752.0	781.5	817.7	851.3	864.7	884.4	904.1	919.7	924.2	934.0	925.1
27.5°	768.5	810.1	855.3	894.7	911.7	927.8	951.5	963.1	968.9	973.4	970.3
30°	782.4	839.6	888.9	925.1	937.2	946.6	960.0	962.7	960.4	964.0	968.5
32.5°	803.9	859.8	901.4	918.8	917.5	917.0	906.7	892.4	889.3	880.8	892.4
35°	815.5	860.2	876.3	853.1	843.7	826.7	794.0	772.5	753.8	749.7	750.6
37.5°	808.8	826.2	807.0	745.7	730.5	704.5	661.2	630.7	616.9	606.1	620.0
40°	772.5	753.3	700.5	625.8	603.9	579.3	538.6	522.0	502.4	498.3	516.7
42.5°	712.6	654.0	579.3	521.6	498.8	484.9	450.9	435.3	421.4	415.1	425.4
45°	631.2	560.1	484.9	437.5	418.3	401.7	381.6	365.0	356.1	353.4	361.9
47.5°	547.1	471.9	412.0	376.7	356.5	344.0	325.2	315.8	308.7	309.6	310.9
50°	466.6	398.1	352.1	316.7	306.9	297.0	284.5	276.5	272.9	274.2	273.3
52.5°	397.2	341.8	302.8	275.6	271.1	261.7	251.4	244.7	243.3	243.8	245.1
55°	336.4	293.0	262.1	242.5	237.5	230.8	224.6	220.1	216.5	217.9	217.4
57.5°	290.3	252.3	228.6	212.5	208.9	204.9	199.1	196.8	195.5	192.8	195.0
60°	249.6	218.7	198.2	188.3	185.2	182.5	176.2	173.6	172.7	171.3	174.9
62.5°	211.1	189.2	173.6	164.6	161.5	158.8	155.7	153.4	153.9	152.1	153.9
65°	180.7	162.8	151.6	143.6	139.6	137.8	137.3	133.8	133.3	133.8	134.2
67.5°	152.5	137.3	128.8	123.9	120.8	119.0	117.6	115.4	117.2	115.9	116.8
70°	127.0	116.8	107.8	102.9	101.5	102.0	99.8	98.9	99.3	98.4	99.3
72.5°	102.4	93.9	90.4	86.8	85.0	84.5	83.2	81.9	83.2	82.8	82.8
75°	81.9	75.6	71.6	69.3	69.3	68.4	66.2	66.2	66.2	65.8	66.2
77.5°	63.1	57.7	55.9	53.7	53.7	52.3	51.9	51.9	51.0	52.3	51.4
80°	47.0	42.9	40.3	38.9	38.9	38.5	37.6	37.1	37.6	37.1	37.1
82.5°	30.4	28.6	27.3	25.9	25.5	25.9	25.5	24.6	25.1	24.6	25.5
85°	17.4	15.7	15.7	14.8	15.2	14.3	14.8	13.9	13.4	14.8	13.9
87.5°	7.6	7.2	7.2	6.3	6.3	6.3	5.8	6.3	5.8	5.4	5.8
90°	13.0	13.9	14.7	15.6	16.0	16.2	16.7	17.2	17.7	18.2	17.7
92.5°	13.0	13.9	14.7	15.6	16.0	16.1	16.2	16.4	16.5	16.7	16.5
95°	13.0	13.9	14.7	15.6	16.0	16.0	16.0	16.0	16.0	16.0	16.0
97.5°	14.0	14.4	14.7	15.0	15.2	15.3	15.5	15.6	15.8	16.0	15.8
100°	107.0	81.9	56.7	31.6	19.0	18.7	18.0	17.3	16.7	16.0	16.7
102.5°	178.1	178.4	178.8	179.1	179.3	172.2	158.0	143.9	129.7	115.5	129.7
105°	226.3	226.3	226.3	226.3	226.3	226.2	226.1	225.9	225.8	225.6	225.8
107.5°	276.7	276.8	277.0	277.1	277.2	276.9	276.2	275.5	274.9	274.2	274.9
110°	326.1	325.6	325.1	324.6	324.3	324.4	324.6	324.7	324.9	325.1	324.9

TEST NUMBER: P1026892

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	374.5	373.9	373.2	372.5	372.2	372.0	371.7	371.4	371.0	370.7	371.0
115°	423.1	422.5	421.8	421.1	420.8	420.3	419.3	418.2	417.2	416.2	417.2
117.5°	470.7	469.7	468.6	467.6	467.1	466.9	466.6	466.3	465.9	465.6	465.9
120°	515.4	515.0	514.7	514.4	514.2	513.8	512.9	512.1	511.2	510.4	511.2
122.5°	558.7	558.3	558.0	557.7	557.5	557.0	556.0	555.0	554.0	553.0	554.0
125°	600.9	600.2	599.5	598.8	598.5	598.3	597.8	597.3	596.8	596.3	596.8
127.5°	639.2	638.8	638.5	638.2	638.0	637.3	636.0	634.7	633.3	632.0	633.3
130°	677.0	676.5	676.0	675.5	675.2	674.8	673.9	673.1	672.2	671.4	672.2
132.5°	711.7	711.7	711.7	711.7	711.7	711.3	710.4	709.6	708.7	707.9	708.7
135°	746.3	745.9	745.6	745.3	745.1	744.6	743.6	742.6	741.6	740.6	741.6
137.5°	778.5	778.5	778.5	778.5	778.5	778.1	777.2	776.4	775.5	774.7	775.5
140°	807.7	808.1	808.4	808.7	808.9	808.4	807.4	806.4	805.4	804.4	805.4
142.5°	837.0	837.0	837.0	837.0	837.0	836.5	835.5	834.5	833.5	832.5	833.5
145°	863.8	864.0	864.1	864.3	864.4	863.9	862.9	861.8	860.8	859.8	860.8
147.5°	887.4	887.5	887.7	887.8	887.9	887.3	886.1	885.0	883.8	882.6	883.8
150°	909.5	909.9	910.2	910.5	910.7	910.0	908.7	907.3	906.0	904.6	906.0
152.5°	929.3	929.6	930.0	930.3	930.5	929.9	928.7	927.5	926.3	925.1	926.3
155°	946.9	947.4	947.9	948.4	948.7	948.0	946.7	945.3	944.0	942.6	944.0
157.5°	962.1	962.6	963.1	963.6	963.9	963.2	961.9	960.5	959.2	957.8	959.2
160°	976.0	976.6	977.3	978.0	978.3	977.6	976.3	974.9	973.6	972.2	973.6
162.5°	988.4	989.4	990.5	991.5	992.0	991.2	989.7	988.2	986.6	985.1	986.6
165°	999.1	1000.1	1001.1	1002.1	1002.6	1001.9	1000.6	999.2	997.9	996.5	997.9
167.5°	1007.6	1008.8	1009.9	1011.1	1011.7	1010.9	1009.4	1007.9	1006.4	1004.9	1006.4
170°	1013.9	1015.2	1016.6	1017.9	1018.6	1017.8	1016.3	1014.8	1013.2	1011.7	1013.2
172.5°	1019.0	1020.2	1021.3	1022.5	1023.1	1022.3	1020.8	1019.3	1017.8	1016.3	1017.8
175°	1022.2	1023.5	1024.9	1026.2	1026.9	1026.1	1024.6	1023.1	1021.6	1020.1	1021.6
177.5°	1024.3	1025.5	1026.6	1027.8	1028.4	1027.7	1026.4	1025.1	1023.7	1022.4	1023.7
180°	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6

TEST NUMBER: P1026892

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	564.1	561.0	561.9	561.0	558.7	557.4	553.8	549.3	547.5	545.3	544.0
5°	609.3	607.0	606.6	603.0	602.1	596.7	587.8	583.3	578.0	572.6	567.2
7.5°	658.5	655.8	646.8	645.5	646.4	639.7	628.1	619.1	607.9	600.3	590.0
10°	699.2	693.8	686.2	686.7	683.5	674.6	662.9	653.6	637.4	627.6	612.8
12.5°	723.8	719.3	718.4	713.9	711.3	699.6	685.8	673.7	661.6	648.2	637.0
15°	753.8	747.9	743.9	737.7	735.9	723.8	708.6	694.7	680.8	668.3	644.6
17.5°	786.9	780.6	765.4	764.0	753.3	741.7	726.9	706.3	691.6	673.7	656.2
20°	824.4	815.5	795.8	790.9	782.4	763.2	743.0	720.2	696.5	678.2	657.6
22.5°	866.5	850.8	836.5	820.9	814.6	790.9	763.2	735.4	706.8	681.7	657.1
25°	921.1	900.5	880.4	864.7	854.0	823.1	786.0	749.3	716.2	683.5	651.3
27.5°	964.0	946.1	924.2	903.6	889.7	853.1	810.6	763.2	722.0	682.2	647.7
30°	967.1	961.8	948.3	937.2	922.0	882.6	835.6	781.9	730.9	682.6	640.6
32.5°	908.5	919.3	925.1	926.9	923.7	900.9	858.0	798.9	739.0	678.6	634.3
35°	782.4	811.0	846.4	859.8	872.7	884.8	862.5	811.0	741.7	677.7	624.5
37.5°	644.2	670.1	728.7	755.5	770.8	818.6	837.0	809.2	747.0	678.6	615.1
40°	519.8	561.0	603.0	639.2	662.9	716.6	773.4	779.7	739.4	670.1	603.0
42.5°	437.5	461.6	493.4	527.0	548.0	611.5	688.4	733.6	715.7	656.2	588.2
45°	372.6	390.5	420.5	431.7	458.5	519.4	600.8	666.1	675.0	634.3	571.2
47.5°	319.8	335.1	354.3	368.2	389.6	435.3	504.1	576.2	619.1	604.3	547.5
50°	281.8	294.3	310.4	318.5	332.4	373.5	425.4	497.0	554.7	559.6	516.7
52.5°	250.1	257.2	269.7	278.7	289.9	314.9	361.9	420.9	485.8	512.6	478.6
55°	222.3	228.1	239.3	245.1	251.0	272.4	309.1	362.8	423.6	459.0	439.7
57.5°	197.3	202.2	211.6	217.0	220.1	240.7	268.8	310.9	365.5	408.4	397.7
60°	176.7	181.2	186.5	190.6	194.1	211.1	230.8	264.8	313.6	355.2	352.5
62.5°	154.8	158.8	164.6	168.6	171.8	182.5	199.1	225.0	266.6	305.1	312.7
65°	135.5	138.7	142.7	144.5	148.5	156.6	170.0	193.2	227.2	261.7	267.1
67.5°	118.1	119.0	121.7	125.7	126.6	133.8	145.8	163.3	189.7	217.9	226.4
70°	99.3	100.6	102.9	106.0	107.8	112.3	122.6	134.2	157.0	181.6	187.9
72.5°	82.8	84.5	85.4	87.2	88.1	95.3	99.8	111.4	127.0	147.6	154.3
75°	67.1	68.9	69.3	70.2	71.1	74.3	80.5	87.7	100.6	114.1	123.0
77.5°	53.2	52.8	53.7	55.0	54.6	57.3	61.3	67.5	76.0	87.2	93.0
80°	37.6	37.6	38.9	40.3	39.8	42.5	43.8	48.3	55.5	62.6	64.9
82.5°	25.1	25.1	26.4	26.4	27.3	27.7	29.5	31.8	37.6	41.2	42.5
85°	14.3	14.3	14.8	14.8	14.8	15.7	17.0	17.9	19.7	21.9	22.8
87.5°	5.8	6.3	6.3	6.3	6.3	7.2	7.2	8.1	8.5	9.4	9.4
90°	17.2	16.7	16.2	16.0	15.6	14.7	13.9	13.0	12.2	11.0	9.8
92.5°	16.4	16.2	16.1	16.0	15.6	14.7	13.9	13.0	12.2	11.2	10.2
95°	16.0	16.0	16.0	16.0	15.6	14.7	13.9	13.0	12.2	18.6	25.0
97.5°	15.6	15.5	15.3	15.2	15.0	14.7	14.4	14.0	13.7	29.7	45.7
100°	17.3	18.0	18.7	19.0	31.6	56.7	81.9	107.0	132.2	131.5	130.8
102.5°	143.9	158.0	172.2	179.3	179.1	178.8	178.4	178.1	177.7	177.4	177.0
105°	225.9	226.1	226.2	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3
107.5°	275.5	276.2	276.9	277.2	277.1	277.0	276.8	276.7	276.5	276.2	275.8
110°	324.7	324.6	324.4	324.3	324.6	325.1	325.6	326.1	326.6	326.3	325.9



TEST NUMBER: P1026892

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	371.4	371.7	372.0	372.2	372.5	373.2	373.9	374.5	375.2	375.0	374.9
115°	418.2	419.3	420.3	420.8	421.1	421.8	422.5	423.1	423.8	423.6	423.5
117.5°	466.3	466.6	466.9	467.1	467.6	468.6	469.7	470.7	471.7	471.0	470.3
120°	512.1	512.9	513.8	514.2	514.4	514.7	515.0	515.4	515.7	515.2	514.7
122.5°	555.0	556.0	557.0	557.5	557.7	558.0	558.3	558.7	559.0	558.8	558.7
125°	597.3	597.8	598.3	598.5	598.8	599.5	600.2	600.9	601.6	601.6	601.6
127.5°	634.7	636.0	637.3	638.0	638.2	638.5	638.8	639.2	639.5	639.7	639.9
130°	673.1	673.9	674.8	675.2	675.5	676.0	676.5	677.0	677.5	677.3	677.2
132.5°	709.6	710.4	711.3	711.7	711.7	711.7	711.7	711.7	711.7	712.2	712.7
135°	742.6	743.6	744.6	745.1	745.3	745.6	745.9	746.3	746.6	747.0	747.3
137.5°	776.4	777.2	778.1	778.5	778.5	778.5	778.5	778.5	778.5	778.9	779.2
140°	806.4	807.4	808.4	808.9	808.7	808.4	808.1	807.7	807.4	807.6	807.8
142.5°	834.5	835.5	836.5	837.0	837.0	837.0	837.0	837.0	837.0	836.7	836.3
145°	861.8	862.9	863.9	864.4	864.3	864.1	864.0	863.8	863.6	863.6	863.6
147.5°	885.0	886.1	887.3	887.9	887.8	887.7	887.5	887.4	887.2	887.0	886.8
150°	907.3	908.7	910.0	910.7	910.5	910.2	909.9	909.5	909.2	908.9	908.5
152.5°	927.5	928.7	929.9	930.5	930.3	930.0	929.6	929.3	928.9	928.6	928.2
155°	945.3	946.7	948.0	948.7	948.4	947.9	947.4	946.9	946.4	946.1	945.7
157.5°	960.5	961.9	963.2	963.9	963.6	963.1	962.6	962.1	961.6	961.6	961.6
160°	974.9	976.3	977.6	978.3	978.0	977.3	976.6	976.0	975.3	975.1	974.9
162.5°	988.2	989.7	991.2	992.0	991.5	990.5	989.4	988.4	987.4	987.2	987.1
165°	999.2	1000.6	1001.9	1002.6	1002.1	1001.1	1000.1	999.1	998.1	997.9	997.7
167.5°	1007.9	1009.4	1010.9	1011.7	1011.1	1009.9	1008.8	1007.6	1006.4	1006.2	1006.1
170°	1014.8	1016.3	1017.8	1018.6	1017.9	1016.6	1015.2	1013.9	1012.5	1012.3	1012.1
172.5°	1019.3	1020.8	1022.3	1023.1	1022.5	1021.3	1020.2	1019.0	1017.8	1017.5	1017.1
175°	1023.1	1024.6	1026.1	1026.9	1026.2	1024.9	1023.5	1022.2	1020.8	1020.6	1020.5
177.5°	1025.1	1026.4	1027.7	1028.4	1027.8	1026.6	1025.5	1024.3	1023.1	1022.9	1022.8
180°	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6

TEST NUMBER: P1026892

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	542.2	539.9	537.2	537.2	534.1	532.8	530.1	529.2	527.0	523.4	520.7
5°	561.4	555.6	552.0	548.9	542.2	537.2	532.3	527.0	521.6	515.3	508.2
7.5°	580.2	569.5	564.5	559.2	549.3	539.0	529.2	522.0	514.9	505.0	496.1
10°	599.9	586.5	577.5	570.3	555.1	542.2	527.9	517.6	506.4	493.9	482.2
12.5°	616.4	599.0	591.4	578.0	560.5	544.9	527.0	511.3	496.5	481.8	467.5
15°	630.3	613.7	595.0	589.6	565.4	543.1	522.9	502.8	484.5	469.7	453.1
17.5°	634.8	613.7	604.3	591.4	562.7	539.5	514.0	492.1	474.6	452.7	439.7
20°	636.1	616.0	603.0	590.9	565.4	534.6	509.5	482.7	461.6	439.7	419.2
22.5°	632.5	608.8	596.3	584.7	556.0	529.6	500.6	471.0	446.4	426.3	405.7
25°	625.8	598.1	586.0	573.5	546.2	517.1	485.4	457.2	434.4	410.2	390.1
27.5°	616.9	585.1	571.2	558.3	531.4	504.1	474.2	445.1	419.6	394.1	375.3
30°	605.7	569.0	556.5	539.5	513.5	487.6	460.3	431.2	402.6	378.4	357.9
32.5°	591.4	552.9	536.4	520.2	492.1	468.4	442.4	415.1	387.4	363.7	342.2
35°	578.4	534.6	516.2	500.1	468.8	443.8	422.3	396.8	372.2	347.6	328.3
37.5°	561.0	516.2	494.3	477.8	446.0	420.5	400.4	380.7	354.7	331.0	313.1
40°	542.6	493.4	472.8	456.3	423.2	395.4	376.2	358.8	337.7	315.8	297.0
42.5°	526.1	471.5	449.6	429.4	395.9	371.3	351.6	338.2	318.9	299.3	282.3
45°	505.0	448.2	424.5	403.5	371.3	344.4	325.7	314.9	300.6	281.4	266.6
47.5°	483.6	423.2	398.6	378.0	343.1	319.4	301.1	290.8	280.9	265.7	251.0
50°	455.4	396.8	374.4	350.7	316.3	292.1	276.9	266.6	259.0	248.3	235.7
52.5°	424.5	369.5	345.3	324.8	290.8	268.8	251.4	245.6	238.0	229.9	219.2
55°	391.9	340.0	316.7	296.6	265.3	242.9	228.6	222.3	216.5	210.2	203.1
57.5°	359.2	309.1	287.2	269.3	240.2	218.7	207.1	198.6	194.6	191.0	185.2
60°	318.5	276.0	259.0	242.9	214.3	194.6	183.4	177.1	173.6	171.8	169.1
62.5°	282.7	247.8	229.0	213.4	190.6	173.1	162.4	157.5	154.3	153.4	150.3
65°	244.7	214.7	200.0	186.5	166.9	151.2	142.3	136.4	134.2	133.8	133.8
67.5°	208.9	184.7	170.0	160.6	143.6	129.7	121.2	119.0	117.6	115.9	115.4
70°	175.4	156.1	143.1	135.1	119.9	109.6	102.9	99.3	99.3	98.0	97.1
72.5°	145.8	126.6	118.1	111.4	98.9	89.9	85.0	84.1	81.0	80.5	80.5
75°	114.1	99.8	93.9	88.1	78.7	72.5	68.4	66.2	64.4	64.4	64.9
77.5°	85.9	76.0	70.7	66.2	59.5	55.5	52.3	51.4	49.7	49.7	49.7
80°	60.8	55.5	51.4	47.9	42.9	39.4	37.6	35.8	35.8	35.3	35.8
82.5°	39.4	34.9	32.7	32.2	27.7	26.4	24.2	24.6	23.3	22.8	23.7
85°	22.8	20.6	17.9	17.0	15.2	13.4	12.5	13.0	12.5	12.1	12.5
87.5°	8.9	7.6	7.2	7.2	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°	31.4	37.8	41.0	41.3	41.8	42.3	42.8	43.3	42.8	42.3	41.8
97.5°	61.8	77.8	85.8	85.3	84.3	83.3	82.3	81.3	82.3	83.3	84.3
100°	130.1	129.4	129.1	128.8	128.3	127.8	127.3	126.8	127.3	127.8	128.3
102.5°	176.7	176.4	176.2	175.9	175.2	174.5	173.9	173.2	173.9	174.5	175.2
105°	226.3	226.3	226.3	226.0	225.3	224.6	224.0	223.3	224.0	224.6	225.3
107.5°	275.5	275.2	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0
110°	325.6	325.3	325.1	325.1	325.1	325.1	325.1	325.1	325.1	325.1	325.1

TEST NUMBER: P1026892

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	374.7	374.6	374.5	374.2	373.7	373.2	372.7	372.2	372.7	373.2	373.7
115°	423.3	423.2	423.1	422.7	421.8	421.0	420.1	419.3	420.1	421.0	421.8
117.5°	469.6	468.9	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6
120°	514.2	513.7	513.5	513.6	513.7	513.9	514.0	514.2	514.0	513.9	513.7
122.5°	558.5	558.4	558.3	557.9	557.0	556.2	555.3	554.5	555.3	556.2	557.0
125°	601.6	601.6	601.6	601.0	599.8	598.7	597.5	596.3	597.5	598.7	599.8
127.5°	640.0	640.2	640.3	639.9	639.0	638.2	637.3	636.5	637.3	638.2	639.0
130°	677.0	676.9	676.8	676.4	675.5	674.7	673.8	673.0	673.8	674.7	675.5
132.5°	713.2	713.7	714.0	713.5	712.5	711.4	710.4	709.4	710.4	711.4	712.5
135°	747.7	748.0	748.2	747.7	746.7	745.6	744.6	743.6	744.6	745.6	746.7
137.5°	779.6	779.9	780.1	779.6	778.6	777.5	776.5	775.5	776.5	777.5	778.6
140°	807.9	808.1	808.2	808.0	807.7	807.3	807.0	806.6	807.0	807.3	807.7
142.5°	836.0	835.7	835.5	835.4	835.3	835.1	835.0	834.8	835.0	835.1	835.3
145°	863.6	863.6	863.6	863.4	863.1	862.8	862.4	862.1	862.4	862.8	863.1
147.5°	886.7	886.5	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
150°	908.2	907.9	907.7	907.9	908.2	908.5	908.9	909.2	908.9	908.5	908.2
152.5°	927.9	927.6	927.4	927.8	928.7	929.5	930.4	931.2	930.4	929.5	928.7
155°	945.4	945.1	944.9	945.4	946.4	947.4	948.4	949.4	948.4	947.4	946.4
157.5°	961.6	961.6	961.6	961.9	962.4	962.9	963.4	963.9	963.4	962.9	962.4
160°	974.8	974.6	974.5	975.0	976.0	977.1	978.1	979.1	978.1	977.1	976.0
162.5°	986.9	986.8	986.7	987.2	988.2	989.2	990.2	991.2	990.2	989.2	988.2
165°	997.6	997.4	997.3	997.8	998.8	999.9	1000.9	1001.9	1000.9	999.9	998.8
167.5°	1005.9	1005.8	1005.7	1006.2	1007.2	1008.2	1009.2	1010.2	1009.2	1008.2	1007.2
170°	1012.0	1011.8	1011.7	1012.3	1013.5	1014.6	1015.8	1017.0	1015.8	1014.6	1013.5
172.5°	1016.8	1016.5	1016.3	1016.9	1018.1	1019.2	1020.4	1021.6	1020.4	1019.2	1018.1
175°	1020.3	1020.2	1020.1	1020.6	1021.6	1022.6	1023.6	1024.6	1023.6	1022.6	1021.6
177.5°	1022.6	1022.5	1022.4	1022.9	1023.9	1024.9	1025.9	1026.9	1025.9	1024.9	1023.9
180°	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6

TEST NUMBER: P1026892

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	519.8	518.9	516.7	515.3	510.9	505.5	503.7	499.2	501.0	497.9	497.9
5°	505.9	501.9	499.2	495.2	486.7	480.9	474.6	471.5	469.7	467.5	465.7
7.5°	488.0	484.9	482.2	474.6	465.2	457.2	449.6	446.4	440.6	436.6	434.8
10°	472.4	467.9	461.6	452.7	442.9	432.6	425.9	419.2	414.7	412.4	407.5
12.5°	456.3	450.9	444.2	431.2	420.5	414.2	402.2	395.9	393.7	391.9	386.0
15°	439.7	433.9	425.9	413.8	404.4	389.6	382.5	377.5	372.2	371.7	367.3
17.5°	425.0	417.8	411.1	396.3	384.7	371.7	367.7	362.3	357.4	352.1	349.8
20°	406.2	399.5	394.5	378.4	365.5	357.4	350.7	346.2	343.1	337.7	336.8
22.5°	389.2	382.0	375.3	363.2	352.1	341.8	333.7	328.8	327.4	325.2	321.2
25°	372.6	365.5	357.4	346.2	334.6	327.4	320.3	317.2	314.5	310.9	307.8
27.5°	358.8	352.1	344.4	330.6	320.7	315.4	307.8	304.2	300.6	298.8	297.5
30°	342.2	334.6	328.8	318.1	307.3	300.2	294.8	291.7	288.5	286.7	285.8
32.5°	326.1	318.9	314.9	303.3	294.8	286.3	282.3	280.0	278.2	276.5	274.7
35°	313.1	306.0	299.7	289.0	280.5	274.7	271.5	268.0	266.6	264.8	264.8
37.5°	297.0	291.7	285.4	275.1	267.5	263.0	260.3	255.9	255.4	254.5	253.2
40°	283.2	277.8	272.0	263.0	256.3	251.0	247.4	245.1	243.8	242.9	242.0
42.5°	268.4	262.6	259.9	249.6	243.8	238.4	236.6	234.4	234.0	232.2	229.9
45°	254.1	249.2	243.8	236.2	231.3	226.8	224.1	222.3	220.1	219.6	218.3
47.5°	241.6	235.7	230.8	223.7	218.3	214.7	212.5	210.2	208.5	207.1	205.8
50°	225.5	221.0	217.0	209.4	204.9	201.3	198.2	196.4	194.6	194.6	194.6
52.5°	209.8	205.8	202.2	196.8	191.5	188.3	184.7	183.4	182.5	181.2	182.5
55°	194.6	190.6	187.0	183.0	176.7	174.0	170.4	169.1	169.5	169.5	170.9
57.5°	178.5	175.4	173.1	168.2	162.4	159.7	157.5	156.1	156.1	157.9	158.4
60°	162.8	159.7	155.7	151.2	147.6	144.5	143.1	143.6	143.6	144.5	146.7
62.5°	145.4	143.6	141.4	135.1	132.9	130.6	128.8	130.2	129.7	132.0	135.1
65°	129.3	127.5	124.4	121.2	118.5	116.3	115.9	116.3	117.2	119.4	123.0
67.5°	111.4	111.4	108.7	106.0	103.8	101.5	102.0	102.4	103.3	106.0	111.4
70°	96.6	94.8	92.2	90.4	88.6	87.7	86.8	88.6	91.3	93.0	97.1
72.5°	80.5	79.2	76.9	75.2	74.7	73.8	73.4	74.3	76.9	80.1	84.5
75°	63.5	64.0	62.6	61.3	61.3	59.9	60.8	60.8	63.5	66.7	70.2
77.5°	49.2	48.8	48.3	47.4	47.0	47.0	47.0	47.9	50.5	52.3	55.9
80°	34.9	35.3	34.0	34.4	34.0	34.4	34.4	36.2	37.6	39.8	42.5
82.5°	23.3	23.3	22.4	22.8	22.8	22.8	23.3	24.2	25.9	27.7	29.5
85°	13.0	13.4	12.5	13.4	13.4	13.4	13.9	14.3	15.7	16.1	17.9
87.5°	4.9	5.8	5.8	4.9	5.4	5.8	6.3	5.8	6.7	7.6	8.1
90°	6.1	6.8	7.4	8.6	9.8	11.0	12.2	13.0	13.9	14.7	15.6
92.5°	8.4	7.6	8.1	9.1	10.2	11.2	12.2	13.0	13.9	14.7	15.6
95°	41.3	41.0	37.8	31.4	25.0	18.6	12.2	13.0	13.9	14.7	15.6
97.5°	85.3	85.8	77.8	61.8	45.7	29.7	13.7	14.0	14.4	14.7	15.0
100°	128.8	129.1	129.4	130.1	130.8	131.5	132.2	107.0	81.9	56.7	31.6
102.5°	175.9	176.2	176.4	176.7	177.0	177.4	177.7	178.1	178.4	178.8	179.1
105°	226.0	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3
107.5°	275.0	275.0	275.2	275.5	275.8	276.2	276.5	276.7	276.8	277.0	277.1
110°	325.1	325.1	325.3	325.6	325.9	326.3	326.6	326.1	325.6	325.1	324.6

TEST NUMBER: P1026892

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	374.2	374.5	374.6	374.7	374.9	375.0	375.2	374.5	373.9	373.2	372.5
115°	422.7	423.1	423.2	423.3	423.5	423.6	423.8	423.1	422.5	421.8	421.1
117.5°	468.6	468.6	468.9	469.6	470.3	471.0	471.7	470.7	469.7	468.6	467.6
120°	513.6	513.5	513.7	514.2	514.7	515.2	515.7	515.4	515.0	514.7	514.4
122.5°	557.9	558.3	558.4	558.5	558.7	558.8	559.0	558.7	558.3	558.0	557.7
125°	601.0	601.6	601.6	601.6	601.6	601.6	601.6	600.9	600.2	599.5	598.8
127.5°	639.9	640.3	640.2	640.0	639.9	639.7	639.5	639.2	638.8	638.5	638.2
130°	676.4	676.8	676.9	677.0	677.2	677.3	677.5	677.0	676.5	676.0	675.5
132.5°	713.5	714.0	713.7	713.2	712.7	712.2	711.7	711.7	711.7	711.7	711.7
135°	747.7	748.2	748.0	747.7	747.3	747.0	746.6	746.3	745.9	745.6	745.3
137.5°	779.6	780.1	779.9	779.6	779.2	778.9	778.5	778.5	778.5	778.5	778.5
140°	808.0	808.2	808.1	807.9	807.8	807.6	807.4	807.7	808.1	808.4	808.7
142.5°	835.4	835.5	835.7	836.0	836.3	836.7	837.0	837.0	837.0	837.0	837.0
145°	863.4	863.6	863.6	863.6	863.6	863.6	863.6	863.8	864.0	864.1	864.3
147.5°	886.4	886.4	886.5	886.7	886.8	887.0	887.2	887.4	887.5	887.7	887.8
150°	907.9	907.7	907.9	908.2	908.5	908.9	909.2	909.5	909.9	910.2	910.5
152.5°	927.8	927.4	927.6	927.9	928.2	928.6	928.9	929.3	929.6	930.0	930.3
155°	945.4	944.9	945.1	945.4	945.7	946.1	946.4	946.9	947.4	947.9	948.4
157.5°	961.9	961.6	961.6	961.6	961.6	961.6	961.6	962.1	962.6	963.1	963.6
160°	975.0	974.5	974.6	974.8	974.9	975.1	975.3	976.0	976.6	977.3	978.0
162.5°	987.2	986.7	986.8	986.9	987.1	987.2	987.4	988.4	989.4	990.5	991.5
165°	997.8	997.3	997.4	997.6	997.7	997.9	998.1	999.1	1000.1	1001.1	1002.1
167.5°	1006.2	1005.7	1005.8	1005.9	1006.1	1006.2	1006.4	1007.6	1008.8	1009.9	1011.1
170°	1012.3	1011.7	1011.8	1012.0	1012.1	1012.3	1012.5	1013.9	1015.2	1016.6	1017.9
172.5°	1016.9	1016.3	1016.5	1016.8	1017.1	1017.5	1017.8	1019.0	1020.2	1021.3	1022.5
175°	1020.6	1020.1	1020.2	1020.3	1020.5	1020.6	1020.8	1022.2	1023.5	1024.9	1026.2
177.5°	1022.9	1022.4	1022.5	1022.6	1022.8	1022.9	1023.1	1024.3	1025.5	1026.6	1027.8
180°	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6

TEST NUMBER: P1026892

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	499.7	496.5	496.1	497.0	495.2	497.9	497.0	497.9	495.6	497.9	496.5
5°	465.2	464.3	462.5	460.3	460.8	461.2	463.4	461.2	463.0	463.4	465.7
7.5°	433.0	431.2	432.6	431.7	427.7	426.8	427.7	429.0	431.7	433.5	434.8
10°	407.1	406.2	404.4	403.0	400.8	399.5	401.3	399.5	403.0	406.2	406.2
12.5°	387.4	383.8	381.6	381.1	376.2	377.1	378.9	380.2	384.3	386.0	386.0
15°	366.8	364.1	363.2	361.4	359.7	361.4	360.6	361.9	363.7	365.5	366.4
17.5°	348.9	348.5	348.9	344.4	345.8	343.6	344.0	346.2	344.9	346.2	348.9
20°	332.8	333.7	332.4	330.6	330.6	327.9	331.0	330.1	330.6	333.3	337.3
22.5°	320.7	320.3	318.9	317.6	315.8	316.3	316.7	315.8	319.4	321.6	322.1
25°	307.8	306.9	306.4	305.1	303.3	305.1	304.6	305.1	306.0	309.6	306.9
27.5°	295.7	293.9	294.8	293.5	293.0	293.5	293.5	293.9	294.8	295.2	295.7
30°	285.4	283.6	283.2	282.3	281.8	282.3	283.2	282.3	285.8	285.4	285.4
32.5°	274.2	272.9	272.0	272.0	271.5	271.1	271.5	272.0	274.7	272.9	274.7
35°	263.5	262.6	262.6	261.7	261.2	261.2	261.2	263.0	262.1	263.5	263.5
37.5°	253.2	253.2	252.7	251.8	251.4	251.8	251.4	252.3	251.8	252.3	252.7
40°	242.5	241.6	241.1	241.1	239.8	238.4	239.8	239.8	240.2	241.6	242.0
42.5°	229.5	229.9	229.9	228.1	228.1	228.1	228.6	229.0	229.0	229.9	229.9
45°	218.3	217.4	217.4	217.4	216.5	217.0	217.9	217.9	217.9	217.9	217.0
47.5°	205.8	205.8	206.2	206.2	207.6	207.1	207.1	206.7	205.8	205.8	206.2
50°	194.1	195.5	195.9	195.9	196.4	196.8	196.8	195.9	195.5	194.1	194.1
52.5°	183.0	183.9	184.7	186.1	187.0	186.5	186.5	185.6	183.9	183.4	183.0
55°	170.9	172.2	174.0	175.4	176.7	177.1	177.1	175.4	173.6	171.3	171.3
57.5°	159.7	161.0	164.2	165.5	167.3	167.3	166.4	165.1	162.4	160.6	159.3
60°	148.5	150.8	153.0	155.7	157.9	158.4	157.0	155.2	152.1	149.9	148.1
62.5°	136.4	138.7	143.1	145.8	147.6	147.6	147.6	145.4	141.4	138.2	135.5
65°	124.8	127.0	131.1	134.6	136.0	137.3	136.0	133.8	130.6	127.0	124.4
67.5°	112.7	115.4	119.4	122.1	123.9	125.3	124.4	122.6	118.5	113.6	111.8
70°	99.3	100.6	106.5	109.1	111.8	112.7	111.8	109.1	105.1	99.8	98.0
72.5°	86.8	88.1	93.5	95.7	98.0	98.9	97.5	95.7	92.2	87.2	85.0
75°	72.5	74.7	77.4	81.0	83.7	84.5	83.2	81.9	77.4	74.3	72.5
77.5°	57.3	59.5	63.1	66.2	68.9	68.4	66.7	67.1	62.2	58.6	57.3
80°	43.4	45.2	47.9	50.5	51.9	51.9	51.4	49.7	47.9	45.2	42.9
82.5°	30.0	32.2	34.4	36.2	36.2	36.7	35.8	35.3	33.5	31.3	30.9
85°	17.9	18.3	20.1	20.1	21.9	21.0	20.6	21.9	20.1	18.8	18.3
87.5°	8.1	7.6	8.1	8.1	7.6	8.5	8.5	8.1	8.5	8.1	8.1
90°	16.0	16.2	16.7	17.2	17.7	18.2	17.7	17.2	16.7	16.2	16.0
92.5°	16.0	16.1	16.2	16.4	16.5	16.7	16.5	16.4	16.2	16.1	16.0
95°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
97.5°	15.2	15.3	15.5	15.6	15.8	16.0	15.8	15.6	15.5	15.3	15.2
100°	19.0	18.7	18.0	17.3	16.7	16.0	16.7	17.3	18.0	18.7	19.0
102.5°	179.3	172.2	158.0	143.9	129.7	115.5	129.7	143.9	158.0	172.2	179.3
105°	226.3	226.2	226.1	225.9	225.8	225.6	225.8	225.9	226.1	226.2	226.3
107.5°	277.2	276.9	276.2	275.5	274.9	274.2	274.9	275.5	276.2	276.9	277.2
110°	324.3	324.4	324.6	324.7	324.9	325.1	324.9	324.7	324.6	324.4	324.3

TEST NUMBER: P1026892

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	372.2	372.0	371.7	371.4	371.0	370.7	371.0	371.4	371.7	372.0	372.2
115°	420.8	420.3	419.3	418.2	417.2	416.2	417.2	418.2	419.3	420.3	420.8
117.5°	467.1	466.9	466.6	466.3	465.9	465.6	465.9	466.3	466.6	466.9	467.1
120°	514.2	513.8	512.9	512.1	511.2	510.4	511.2	512.1	512.9	513.8	514.2
122.5°	557.5	557.0	556.0	555.0	554.0	553.0	554.0	555.0	556.0	557.0	557.5
125°	598.5	598.3	597.8	597.3	596.8	596.3	596.8	597.3	597.8	598.3	598.5
127.5°	638.0	637.3	636.0	634.7	633.3	632.0	633.3	634.7	636.0	637.3	638.0
130°	675.2	674.8	673.9	673.1	672.2	671.4	672.2	673.1	673.9	674.8	675.2
132.5°	711.7	711.3	710.4	709.6	708.7	707.9	708.7	709.6	710.4	711.3	711.7
135°	745.1	744.6	743.6	742.6	741.6	740.6	741.6	742.6	743.6	744.6	745.1
137.5°	778.5	778.1	777.2	776.4	775.5	774.7	775.5	776.4	777.2	778.1	778.5
140°	808.9	808.4	807.4	806.4	805.4	804.4	805.4	806.4	807.4	808.4	808.9
142.5°	837.0	836.5	835.5	834.5	833.5	832.5	833.5	834.5	835.5	836.5	837.0
145°	864.4	863.9	862.9	861.8	860.8	859.8	860.8	861.8	862.9	863.9	864.4
147.5°	887.9	887.3	886.1	885.0	883.8	882.6	883.8	885.0	886.1	887.3	887.9
150°	910.7	910.0	908.7	907.3	906.0	904.6	906.0	907.3	908.7	910.0	910.7
152.5°	930.5	929.9	928.7	927.5	926.3	925.1	926.3	927.5	928.7	929.9	930.5
155°	948.7	948.0	946.7	945.3	944.0	942.6	944.0	945.3	946.7	948.0	948.7
157.5°	963.9	963.2	961.9	960.5	959.2	957.8	959.2	960.5	961.9	963.2	963.9
160°	978.3	977.6	976.3	974.9	973.6	972.2	973.6	974.9	976.3	977.6	978.3
162.5°	992.0	991.2	989.7	988.2	986.6	985.1	986.6	988.2	989.7	991.2	992.0
165°	1002.6	1001.9	1000.6	999.2	997.9	996.5	997.9	999.2	1000.6	1001.9	1002.6
167.5°	1011.7	1010.9	1009.4	1007.9	1006.4	1004.9	1006.4	1007.9	1009.4	1010.9	1011.7
170°	1018.6	1017.8	1016.3	1014.8	1013.2	1011.7	1013.2	1014.8	1016.3	1017.8	1018.6
172.5°	1023.1	1022.3	1020.8	1019.3	1017.8	1016.3	1017.8	1019.3	1020.8	1022.3	1023.1
175°	1026.9	1026.1	1024.6	1023.1	1021.6	1020.1	1021.6	1023.1	1024.6	1026.1	1026.9
177.5°	1028.4	1027.7	1026.4	1025.1	1023.7	1022.4	1023.7	1025.1	1026.4	1027.7	1028.4
180°	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	500.6	497.9	501.0	497.0	497.9	502.8	502.4	506.8	509.5	509.1	511.3
5°	467.5	467.5	468.8	468.4	472.8	476.9	482.2	486.7	491.6	494.3	497.4
7.5°	434.8	439.3	440.2	442.4	447.8	454.5	459.9	466.6	473.7	478.6	482.2
10°	408.0	411.5	415.1	416.9	422.7	431.7	439.3	450.0	459.0	464.3	469.3
12.5°	384.3	388.3	390.1	398.1	402.2	408.0	418.7	430.3	440.2	446.0	450.0
15°	367.3	369.5	373.5	378.4	382.5	389.6	398.6	411.5	420.9	425.9	439.7
17.5°	352.9	355.6	357.9	360.1	366.4	374.0	382.5	393.7	405.7	414.2	421.4
20°	338.2	339.5	342.2	345.8	350.3	357.4	365.0	376.7	387.4	394.1	403.5
22.5°	320.7	324.8	327.4	330.1	335.1	343.1	350.3	358.8	372.2	379.8	389.6
25°	310.4	312.2	314.0	317.2	320.7	327.9	335.9	344.9	355.6	363.7	372.2
27.5°	297.0	299.7	301.9	306.0	308.2	314.0	321.6	330.6	343.6	350.3	357.4
30°	285.8	288.5	290.3	292.1	295.2	301.5	308.7	315.8	327.9	336.4	343.6
32.5°	274.7	277.3	279.6	280.9	284.1	288.1	293.9	302.8	313.1	318.9	328.3
35°	264.8	264.8	267.5	269.3	272.0	275.6	280.9	287.6	298.4	306.0	314.5
37.5°	253.6	254.1	256.3	257.7	260.3	263.9	269.3	275.6	284.5	290.3	298.8
40°	242.0	243.3	244.2	246.5	249.6	251.0	256.3	263.5	272.4	277.8	285.0
42.5°	230.4	231.3	233.5	235.3	238.0	240.2	243.8	250.5	257.2	265.3	271.1
45°	217.4	219.6	221.0	224.1	225.5	227.7	231.3	236.6	244.7	249.6	256.3
47.5°	206.2	207.1	208.0	212.0	214.7	216.1	219.6	222.8	231.3	235.7	242.0
50°	194.1	194.1	195.5	197.3	200.4	203.1	206.2	209.8	216.5	221.0	227.2
52.5°	183.0	181.6	182.5	183.4	186.5	189.2	192.4	197.3	203.5	206.2	211.6
55°	170.9	168.6	170.0	171.3	172.2	175.8	179.4	182.5	187.4	191.5	196.4
57.5°	157.9	157.5	156.6	157.0	159.3	161.5	164.2	168.2	174.0	177.1	179.8
60°	146.3	143.6	142.7	143.6	144.9	146.3	149.9	153.4	158.4	161.5	164.6
62.5°	134.2	131.5	129.7	128.4	129.7	132.9	135.1	137.8	141.8	145.4	148.1
65°	122.6	118.5	116.8	115.9	115.4	117.6	119.4	123.0	126.6	127.9	131.1
67.5°	109.6	106.0	103.8	102.4	102.4	102.4	104.2	107.8	111.4	111.8	115.0
70°	96.6	92.6	90.4	88.6	87.7	88.6	90.8	91.3	94.4	95.3	97.1
72.5°	82.8	79.2	76.5	74.3	74.7	75.6	75.6	76.5	78.3	80.5	80.5
75°	69.8	64.9	63.5	61.7	60.8	60.8	60.8	62.6	64.0	65.8	65.3
77.5°	55.0	52.3	49.7	48.8	47.4	47.0	47.9	47.9	48.8	50.1	50.5
80°	42.5	39.4	37.6	36.7	34.9	34.4	34.9	34.9	36.2	35.8	36.2
82.5°	29.5	27.3	25.9	24.6	23.7	24.2	23.7	23.7	24.2	23.7	23.7
85°	17.0	16.6	15.7	15.2	14.8	13.9	14.8	14.3	13.9	13.4	14.3
87.5°	8.1	7.6	7.6	6.7	6.7	6.3	6.7	6.7	6.3	6.3	6.3
90°	15.6	14.7	13.9	13.0	12.2	11.0	9.8	8.6	7.4	6.8	6.1
92.5°	15.6	14.7	13.9	13.0	12.2	11.2	10.2	9.1	8.1	7.6	8.4
95°	15.6	14.7	13.9	13.0	12.2	18.6	25.0	31.4	37.8	41.0	41.3
97.5°	15.0	14.7	14.4	14.0	13.7	29.7	45.7	61.8	77.8	85.8	85.3
100°	31.6	56.7	81.9	107.0	132.2	131.5	130.8	130.1	129.4	129.1	128.8
102.5°	179.1	178.8	178.4	178.1	177.7	177.4	177.0	176.7	176.4	176.2	175.9
105°	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.0
107.5°	277.1	277.0	276.8	276.7	276.5	276.2	275.8	275.5	275.2	275.0	275.0
110°	324.6	325.1	325.6	326.1	326.6	326.3	325.9	325.6	325.3	325.1	325.1

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	372.5	373.2	373.9	374.5	375.2	375.0	374.9	374.7	374.6	374.5	374.2
115°	421.1	421.8	422.5	423.1	423.8	423.6	423.5	423.3	423.2	423.1	422.7
117.5°	467.6	468.6	469.7	470.7	471.7	471.0	470.3	469.6	468.9	468.6	468.6
120°	514.4	514.7	515.0	515.4	515.7	515.2	514.7	514.2	513.7	513.5	513.6
122.5°	557.7	558.0	558.3	558.7	559.0	558.8	558.7	558.5	558.4	558.3	557.9
125°	598.8	599.5	600.2	600.9	601.6	601.6	601.6	601.6	601.6	601.6	601.0
127.5°	638.2	638.5	638.8	639.2	639.5	639.7	639.9	640.0	640.2	640.3	639.9
130°	675.5	676.0	676.5	677.0	677.5	677.3	677.2	677.0	676.9	676.8	676.4
132.5°	711.7	711.7	711.7	711.7	711.7	712.2	712.7	713.2	713.7	714.0	713.5
135°	745.3	745.6	745.9	746.3	746.6	747.0	747.3	747.7	748.0	748.2	747.7
137.5°	778.5	778.5	778.5	778.5	778.5	778.9	779.2	779.6	779.9	780.1	779.6
140°	808.7	808.4	808.1	807.7	807.4	807.6	807.8	807.9	808.1	808.2	808.0
142.5°	837.0	837.0	837.0	837.0	837.0	836.7	836.3	836.0	835.7	835.5	835.4
145°	864.3	864.1	864.0	863.8	863.6	863.6	863.6	863.6	863.6	863.6	863.4
147.5°	887.8	887.7	887.5	887.4	887.2	887.0	886.8	886.7	886.5	886.4	886.4
150°	910.5	910.2	909.9	909.5	909.2	908.9	908.5	908.2	907.9	907.7	907.9
152.5°	930.3	930.0	929.6	929.3	928.9	928.6	928.2	927.9	927.6	927.4	927.8
155°	948.4	947.9	947.4	946.9	946.4	946.1	945.7	945.4	945.1	944.9	945.4
157.5°	963.6	963.1	962.6	962.1	961.6	961.6	961.6	961.6	961.6	961.6	961.9
160°	978.0	977.3	976.6	976.0	975.3	975.1	974.9	974.8	974.6	974.5	975.0
162.5°	991.5	990.5	989.4	988.4	987.4	987.2	987.1	986.9	986.8	986.7	987.2
165°	1002.1	1001.1	1000.1	999.1	998.1	997.9	997.7	997.6	997.4	997.3	997.8
167.5°	1011.1	1009.9	1008.8	1007.6	1006.4	1006.2	1006.1	1005.9	1005.8	1005.7	1006.2
170°	1017.9	1016.6	1015.2	1013.9	1012.5	1012.3	1012.1	1012.0	1011.8	1011.7	1012.3
172.5°	1022.5	1021.3	1020.2	1019.0	1017.8	1017.5	1017.1	1016.8	1016.5	1016.3	1016.9
175°	1026.2	1024.9	1023.5	1022.2	1020.8	1020.6	1020.5	1020.3	1020.2	1020.1	1020.6
177.5°	1027.8	1026.6	1025.5	1024.3	1023.1	1022.9	1022.8	1022.6	1022.5	1022.4	1022.9
180°	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6

TEST NUMBER: P1026892

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	527.0	527.0	527.0	527.0
2.5°	514.4	518.9	522.0	527.9
5°	502.8	510.9	518.5	526.5
7.5°	491.2	500.6	512.6	522.9
10°	478.2	490.3	504.6	518.5
12.5°	465.2	479.5	495.2	513.5
15°	449.6	467.9	486.3	505.9
17.5°	435.7	454.5	474.2	498.8
20°	420.0	440.6	462.1	487.1
22.5°	406.2	429.0	451.4	477.8
25°	390.5	412.9	437.5	465.7
27.5°	377.5	398.1	422.3	452.7
30°	361.9	384.3	408.4	438.8
32.5°	347.1	368.6	394.1	424.1
35°	331.9	353.8	376.7	405.3
37.5°	317.6	336.4	359.2	386.5
40°	301.5	322.1	342.7	364.1
42.5°	286.7	305.5	324.8	341.8
45°	270.2	286.3	304.6	318.5
47.5°	255.0	269.3	283.6	294.3
50°	239.8	251.0	261.7	271.1
52.5°	221.9	234.4	240.2	246.0
55°	205.8	212.9	218.3	224.1
57.5°	190.1	193.2	195.9	201.3
60°	169.5	173.1	176.2	180.3
62.5°	151.6	153.4	154.3	158.4
65°	134.6	134.2	136.4	138.7
67.5°	116.3	115.9	118.1	119.0
70°	98.4	98.0	98.4	100.6
72.5°	81.4	81.4	81.9	82.8
75°	65.8	65.8	66.2	67.1
77.5°	49.7	50.5	50.1	51.9
80°	36.2	35.3	36.2	37.1
82.5°	23.7	24.6	24.6	23.7
85°	13.4	13.4	13.4	13.4
87.5°	5.8	5.8	6.3	6.7
90°	4.8	3.5	2.1	0.8
92.5°	9.9	11.4	12.9	14.4
95°	41.8	42.3	42.8	43.3
97.5°	84.3	83.3	82.3	81.3
100°	128.3	127.8	127.3	126.8
102.5°	175.2	174.5	173.9	173.2
105°	225.3	224.6	224.0	223.3
107.5°	275.0	275.0	275.0	275.0
110°	325.1	325.1	325.1	325.1



TEST NUMBER: P1026892

CATALOG NUMBER: S125DIP-B375D850UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	373.7	373.2	372.7	372.2
115°	421.8	421.0	420.1	419.3
117.5°	468.6	468.6	468.6	468.6
120°	513.7	513.9	514.0	514.2
122.5°	557.0	556.2	555.3	554.5
125°	599.8	598.7	597.5	596.3
127.5°	639.0	638.2	637.3	636.5
130°	675.5	674.7	673.8	673.0
132.5°	712.5	711.4	710.4	709.4
135°	746.7	745.6	744.6	743.6
137.5°	778.6	777.5	776.5	775.5
140°	807.7	807.3	807.0	806.6
142.5°	835.3	835.1	835.0	834.8
145°	863.1	862.8	862.4	862.1
147.5°	886.4	886.4	886.4	886.4
150°	908.2	908.5	908.9	909.2
152.5°	928.7	929.5	930.4	931.2
155°	946.4	947.4	948.4	949.4
157.5°	962.4	962.9	963.4	963.9
160°	976.0	977.1	978.1	979.1
162.5°	988.2	989.2	990.2	991.2
165°	998.8	999.9	1000.9	1001.9
167.5°	1007.2	1008.2	1009.2	1010.2
170°	1013.5	1014.6	1015.8	1017.0
172.5°	1018.1	1019.2	1020.4	1021.6
175°	1021.6	1022.6	1023.6	1024.6
177.5°	1023.9	1024.9	1025.9	1026.9
180°	1024.6	1024.6	1024.6	1024.6

(END OF REPORT)