

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P333509-927

Luminaire Tested: **S125RDIP-S375D1035U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333509-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S375D1035U927-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3993.3 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

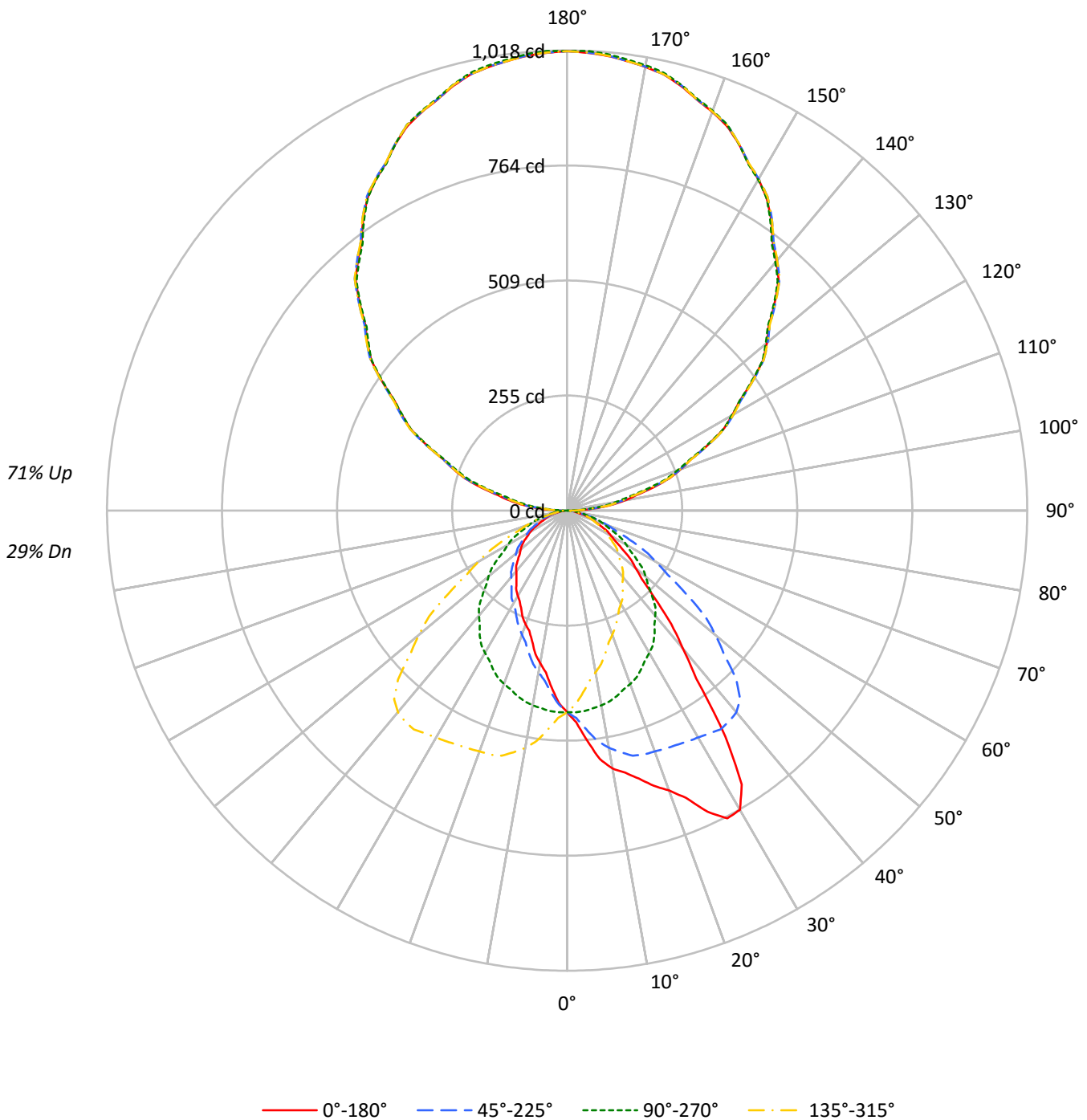
Input Watts (W): 37.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	102	102	102	102	92	92	92	92	72	72	72	53	53	53	37	37	37	29
1	93	89	86	82	83	80	77	74	63	61	59	47	46	45	33	32	32	25
2	85	78	72	67	76	70	65	61	55	52	49	42	40	38	29	28	27	21
3	78	69	62	56	69	62	56	51	49	45	42	37	34	32	26	24	23	18
4	71	61	53	48	63	55	48	44	44	39	35	33	30	28	23	22	20	16
5	65	54	46	41	58	49	42	37	39	34	31	30	26	24	21	19	17	14
6	60	48	41	35	54	44	37	32	35	30	27	27	23	21	19	17	15	12
7	55	44	36	31	50	40	33	28	32	27	23	24	21	18	17	15	14	11
8	51	40	32	27	46	36	29	25	29	24	21	22	19	16	16	14	12	10
9	48	36	29	24	43	33	26	22	26	22	18	20	17	15	15	13	11	9
10	44	33	26	21	40	30	24	20	24	20	16	19	16	13	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	2880	2880	2880	2880
5°	3313	2884	2547	2884
10°	3801	2868	2247	2868
15°	4105	2840	1997	2840
20°	4526	2805	1844	2805
25°	5238	2760	1712	2760
30°	5700	2712	1625	2712
35°	4809	2657	1544	2657
40°	3358	2557	1475	2557
45°	2491	2422	1408	2422
50°	1986	2283	1350	2283
55°	1686	2109	1298	2109
60°	1456	1953	1215	1953
65°	1297	1785	1045	1785
70°	1141	1635	954	1635
75°	986	1415	896	1415
80°	748	1190	748	1190
85°	622	934	704	934



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.8	1.1
10°-20°	125.3	3.1
20°-30°	198.7	5.0
30°-40°	239.6	6.0
40°-50°	214.0	5.4
50°-60°	164.1	4.1
60°-70°	106.6	2.7
70°-80°	51.8	1.3
80°-90°	14.6	0.4
90°-100°	68.1	1.7
100°-110°	201.0	5.0
110°-120°	340.5	8.5
120°-130°	448.1	11.2
130°-140°	502.1	12.6
140°-150°	492.1	12.3
150°-160°	413.3	10.3
160°-170°	274.7	6.9
170°-180°	96.1	2.4
0°-30°	366.8	9.2
0°-40°	606.3	15.2
0°-60°	984.4	24.7
0°-90°	1157.5	29.0
90°-120°	609.5	15.3
90°-150°	2051.7	51.4
90°-180°	2836.0	71.0
0°-180°	3993.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	446	446	446	446	446	
5°	511	445	393	445	511	51
15°	614	425	299	425	614	176
25°	735	387	240	387	735	338
35°	610	337	196	337	610	368
45°	273	265	154	265	273	218
55°	150	187	115	187	150	136
65°	85	117	68	117	85	84
75°	40	57	36	57	40	42
85°	8	13	10	13	8	10
90°	19	1	19	1	19	11
95°	68	51	68	51	68	69
105°	196	180	196	180	196	208
115°	344	341	344	341	344	340
125°	501	498	501	498	501	447
135°	649	647	649	647	649	501
145°	787	784	787	784	787	491
155°	897	897	897	897	897	413
165°	973	975	973	975	973	274
175°	1010	1014	1010	1014	1010	96
180°	1016	1016	1016	1016	1016	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	469.1	468.7	469.4	467.7	467.9	465.4	465.4	463.5	461.0	459.1	458.2
5°	511.0	511.4	510.7	507.9	506.1	503.4	500.3	494.8	490.2	485.8	482.4
7.5°	554.4	554.6	552.2	551.4	546.7	543.4	536.5	528.9	522.4	513.9	507.5
10°	579.6	579.3	576.8	574.7	570.8	565.6	558.8	550.1	541.9	532.7	523.9
12.5°	594.1	593.7	592.9	590.4	586.7	582.2	576.4	567.8	557.6	547.6	537.3
15°	613.9	612.7	610.3	607.1	601.8	596.5	590.2	582.5	572.7	561.4	551.9
17.5°	638.4	638.4	634.8	630.4	623.2	613.9	604.0	591.6	578.4	565.9	555.8
20°	658.6	658.1	654.4	645.9	637.7	626.0	614.7	599.4	583.4	567.0	554.4
22.5°	687.6	686.2	682.4	671.3	658.5	643.4	626.1	607.5	588.0	569.6	552.9
25°	735.1	734.0	726.5	713.7	695.8	672.5	649.8	624.4	596.4	572.0	551.9
27.5°	767.6	766.4	760.8	750.2	733.6	709.2	678.5	644.4	609.5	576.0	547.0
30°	764.4	767.1	766.4	761.4	749.0	727.1	698.7	660.4	618.9	579.6	544.9
32.5°	718.4	720.9	727.3	737.0	737.8	729.0	707.7	672.4	629.4	584.6	543.3
35°	609.9	613.2	625.7	645.2	670.9	692.3	696.6	677.6	639.0	590.9	540.9
37.5°	468.9	486.9	497.4	518.0	556.7	596.1	634.0	647.9	631.5	588.3	537.0
40°	398.3	402.7	421.4	444.7	477.2	518.2	572.2	611.2	612.4	582.5	530.8
42.5°	340.9	346.5	359.3	377.9	405.8	446.7	502.5	554.0	577.7	566.3	522.8
45°	272.7	276.9	286.3	300.6	321.9	355.8	403.8	463.3	510.5	529.0	501.2
47.5°	224.0	226.3	234.4	245.3	261.2	285.8	323.0	374.6	431.3	471.0	467.1
50°	197.7	200.3	206.4	214.7	228.1	248.9	278.6	321.6	380.0	428.5	438.2
52.5°	177.2	179.4	183.2	191.0	202.0	218.0	242.0	280.9	333.4	385.0	407.5
55°	149.7	151.2	154.3	158.7	167.5	179.0	199.7	226.6	269.1	321.1	354.0
57.5°	127.1	127.9	129.8	133.9	140.0	148.4	163.3	186.1	216.6	263.4	299.8
60°	112.7	113.5	116.1	118.8	123.6	131.3	143.0	158.9	188.1	226.8	263.6
62.5°	101.3	101.8	102.9	105.6	109.8	115.7	124.9	137.9	161.2	195.2	229.9
65°	84.9	85.1	85.5	87.7	90.2	94.7	100.7	109.8	127.4	153.0	183.8
67.5°	69.2	69.5	70.7	71.5	74.1	76.4	80.0	87.0	99.4	116.7	140.6
70°	60.4	60.2	61.5	62.4	63.3	66.1	68.4	74.1	81.8	95.0	114.9
72.5°	52.2	51.7	52.3	52.6	53.8	55.7	58.1	61.6	67.5	76.5	91.8
75°	39.5	39.7	39.7	40.1	41.0	41.7	42.5	44.3	47.6	53.6	61.9
77.5°	27.7	27.5	28.2	28.4	28.9	29.7	30.3	31.1	32.4	34.9	39.1
80°	20.1	20.1	20.3	20.8	20.7	21.1	21.9	22.7	24.3	25.8	27.3
82.5°	15.4	15.3	15.4	15.6	15.5	15.9	16.2	16.4	17.0	17.7	18.8
85°	8.4	8.4	8.6	8.6	8.8	8.8	9.0	9.0	9.0	9.2	9.3
87.5°	7.1	6.7	6.5	6.4	6.4	6.6	6.3	5.9	5.8	5.6	5.5
90°	19.0	18.5	17.9	17.4	16.9	16.2	15.3	14.4	13.5	12.7	11.4
92.5°	37.3	36.9	36.5	36.2	35.8	35.0	33.8	32.7	31.5	30.3	28.8
95°	68.0	67.7	67.3	66.9	66.6	65.8	64.6	63.4	62.1	60.9	59.2
97.5°	103.1	102.9	102.7	102.5	102.3	101.6	100.4	99.3	98.2	97.0	94.5
100°	129.7	129.4	129.0	128.7	128.3	127.3	125.7	124.1	122.6	121.0	118.7
102.5°	156.3	155.8	155.3	154.8	154.3	153.2	151.5	149.7	148.1	146.3	145.1
105°	196.1	195.6	195.1	194.6	194.0	193.2	192.2	191.2	190.0	189.0	188.0
107.5°	236.9	237.0	237.0	237.0	237.1	236.9	236.3	235.8	235.3	234.7	233.9
110°	267.3	267.5	267.7	267.8	268.0	267.8	267.3	266.8	266.3	265.7	265.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	297.1	297.4	297.7	298.0	298.3	298.3	298.1	297.9	297.6	297.4	296.7
115°	344.0	344.2	344.4	344.5	344.8	344.9	345.1	345.2	345.5	345.6	345.2
117.5°	389.9	390.6	391.3	392.0	392.7	393.0	392.8	392.7	392.6	392.4	392.1
120°	421.5	422.2	422.9	423.7	424.4	424.7	424.7	424.7	424.7	424.7	424.5
122.5°	453.2	453.8	454.3	454.9	455.4	455.7	455.9	456.1	456.2	456.3	455.9
125°	500.7	500.8	501.0	501.1	501.3	501.6	501.9	502.3	502.6	503.0	502.8
127.5°	546.2	546.5	546.8	547.2	547.6	547.9	548.0	548.2	548.3	548.6	548.3
130°	576.6	576.9	577.3	577.6	578.0	578.2	578.4	578.5	578.8	578.9	578.5
132.5°	605.0	605.5	606.0	606.5	607.0	607.3	607.5	607.7	607.8	608.0	608.1
135°	649.3	650.0	650.7	651.4	652.1	652.4	652.4	652.4	652.4	652.4	652.3
137.5°	692.7	693.6	694.4	695.3	696.2	696.5	696.2	696.1	695.9	695.6	695.3
140°	720.5	721.4	722.2	723.1	724.0	724.3	723.9	723.6	723.2	722.9	722.3
142.5°	747.0	748.0	748.8	749.7	750.6	750.9	750.7	750.5	750.3	750.0	749.4
145°	787.0	787.4	788.0	788.5	789.0	789.3	789.3	789.3	789.3	789.3	788.8
147.5°	820.9	822.1	823.3	824.5	825.7	826.1	825.7	825.2	824.8	824.4	823.9
150°	846.2	846.6	846.9	847.3	847.6	847.8	847.8	847.8	847.8	847.8	847.1
152.5°	867.1	867.8	868.4	869.0	869.7	869.7	869.3	868.9	868.5	868.1	867.8
155°	896.8	897.7	898.6	899.5	900.4	900.5	899.8	899.0	898.3	897.6	897.5
157.5°	921.7	922.8	924.0	925.2	926.3	926.5	925.8	925.1	924.5	923.8	923.6
160°	938.7	939.7	940.6	941.4	942.3	942.4	941.7	941.0	940.2	939.5	939.4
162.5°	953.3	954.3	955.4	956.4	957.4	957.5	956.6	955.8	955.0	954.1	954.1
165°	972.8	973.8	974.9	976.0	977.0	977.2	976.4	975.7	975.1	974.4	974.1
167.5°	988.2	989.4	990.5	991.6	992.6	992.7	991.6	990.5	989.5	988.4	988.4
170°	996.5	997.8	998.9	1000.2	1001.4	1001.5	1000.4	999.4	998.4	997.3	997.3
172.5°	1003.5	1004.6	1005.7	1006.7	1007.8	1007.8	1006.8	1005.8	1004.6	1003.6	1003.6
175°	1010.0	1011.1	1012.4	1013.7	1014.9	1014.9	1013.9	1012.9	1011.8	1010.7	1010.7
177.5°	1013.8	1014.7	1015.7	1016.7	1017.7	1017.7	1016.9	1016.1	1015.3	1014.4	1014.5
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	458.2	457.2	455.3	453.5	451.3	449.4	448.1	446.5	444.4	442.0	439.9
5°	478.5	474.4	469.1	464.5	458.7	454.2	449.4	444.8	440.2	434.4	429.2
7.5°	501.0	492.7	484.6	474.4	465.2	456.9	449.0	441.0	433.2	424.8	416.8
10°	514.8	504.6	493.5	480.7	469.0	457.8	447.6	437.4	426.8	417.6	407.5
12.5°	527.6	514.6	501.8	485.7	471.6	458.0	444.9	432.4	421.0	408.9	398.1
15°	539.2	526.4	512.1	492.4	472.8	456.3	440.9	424.7	410.6	397.0	384.9
17.5°	543.8	530.3	513.7	494.7	473.3	452.6	432.8	414.9	398.3	382.5	369.0
20°	542.0	529.0	512.0	493.8	471.0	449.4	427.9	408.2	389.7	373.0	358.6
22.5°	537.7	524.3	507.9	488.7	467.0	444.1	421.2	400.1	380.8	363.5	347.8
25°	531.4	513.1	496.2	477.5	456.9	434.2	410.6	387.3	366.6	349.0	331.8
27.5°	524.7	501.9	480.5	461.9	440.1	419.9	397.0	373.2	351.5	333.6	315.9
30°	518.7	493.1	469.5	448.5	427.8	408.5	387.0	363.7	341.4	322.9	305.0
32.5°	511.3	484.0	458.1	433.8	413.8	394.8	375.3	353.0	331.3	312.2	294.0
35°	501.9	467.1	438.9	413.1	391.0	372.5	354.9	337.0	315.2	295.4	277.7
37.5°	489.6	450.1	417.6	389.4	366.1	347.5	333.6	317.2	297.3	278.5	262.0
40°	482.1	437.8	402.2	374.3	349.8	330.2	317.2	303.3	285.2	267.4	251.0
42.5°	472.2	426.6	386.7	357.7	333.0	314.1	301.0	288.8	273.6	256.9	239.2
45°	452.7	404.7	362.8	331.7	306.8	288.3	276.0	265.2	253.7	238.3	222.9
47.5°	427.3	381.9	338.0	304.0	279.7	262.5	250.6	242.1	233.9	220.8	205.9
50°	406.9	363.1	320.4	287.4	261.4	245.1	233.9	227.2	219.7	207.8	195.3
52.5°	382.9	343.8	301.9	268.2	243.7	228.4	217.7	210.9	204.7	195.0	183.2
55°	345.1	310.8	272.4	241.8	219.3	203.9	193.7	187.3	183.6	175.4	166.0
57.5°	301.3	276.9	243.0	213.5	193.5	178.4	170.9	165.4	161.3	155.4	148.9
60°	270.9	253.7	223.3	195.3	177.0	162.6	155.7	151.2	147.3	142.4	137.3
62.5°	240.0	227.5	201.1	177.0	160.2	148.1	141.7	137.6	133.2	129.8	124.8
65°	198.6	187.4	169.1	150.3	134.8	125.0	120.4	116.8	114.1	110.4	106.9
67.5°	154.5	150.0	137.3	124.3	113.1	104.5	100.5	98.0	94.7	92.5	90.2
70°	127.4	125.2	116.2	107.7	97.2	91.3	87.7	86.6	82.5	80.3	78.7
72.5°	103.4	102.3	97.2	91.3	83.9	78.7	75.4	74.1	71.5	69.8	68.8
75°	70.8	71.2	70.3	66.5	63.7	60.4	57.5	56.7	54.9	53.5	52.5
77.5°	44.8	46.7	46.7	46.6	45.5	43.5	42.2	41.7	39.9	39.4	39.1
80°	30.7	32.8	34.6	34.4	34.1	33.5	32.6	32.0	31.1	30.6	30.2
82.5°	20.5	22.3	23.9	24.9	24.8	24.2	23.7	23.4	23.2	22.8	22.7
85°	9.7	10.1	10.6	11.9	12.8	13.0	12.8	12.6	12.1	12.3	12.4
87.5°	5.4	5.1	5.1	4.8	4.4	4.8	5.0	4.8	4.8	4.8	4.8
90°	10.2	9.0	7.8	6.4	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	27.3	25.8	24.3	23.1	22.1	21.1	20.1	19.2	20.1	21.1	22.1
95°	57.4	55.6	53.9	52.8	52.4	52.1	51.7	51.4	51.7	52.1	52.4
97.5°	92.1	89.7	87.3	86.0	85.9	85.7	85.6	85.4	85.6	85.7	85.9
100°	116.5	114.2	111.9	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7
102.5°	144.0	142.8	141.6	140.8	140.1	139.3	138.6	137.9	138.6	139.3	140.1
105°	186.9	185.8	184.8	183.9	183.0	182.0	181.2	180.3	181.2	182.0	183.0
107.5°	233.1	232.3	231.5	230.7	229.8	228.9	228.0	227.1	228.0	228.9	229.8
110°	264.7	264.1	263.6	262.9	262.1	261.2	260.3	259.4	260.3	261.2	262.1





TEST NUMBER: P333509-927

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	296.0	295.4	294.7	294.1	293.7	293.2	292.8	292.3	292.8	293.2	293.7
115°	344.9	344.5	344.2	343.6	343.0	342.3	341.6	340.9	341.6	342.3	343.0
117.5°	391.8	391.5	391.2	390.9	390.5	390.2	389.9	389.6	389.9	390.2	390.5
120°	424.4	424.1	424.0	423.5	422.6	421.7	420.8	419.9	420.8	421.7	422.6
122.5°	455.4	455.0	454.5	454.2	453.8	453.5	453.2	452.9	453.2	453.5	453.8
125°	502.6	502.5	502.3	501.7	500.7	499.6	498.5	497.5	498.5	499.6	500.7
127.5°	548.1	548.0	547.7	547.3	546.7	546.1	545.5	544.9	545.5	546.1	546.7
130°	578.2	577.9	577.5	576.9	576.0	575.1	574.3	573.4	574.3	575.1	576.0
132.5°	608.2	608.2	608.3	607.6	606.2	604.8	603.3	601.8	603.3	604.8	606.2
135°	652.1	652.0	651.8	651.2	650.1	649.0	648.0	647.0	648.0	649.0	650.1
137.5°	694.9	694.5	694.1	693.4	692.4	691.3	690.3	689.4	690.3	691.3	692.4
140°	721.8	721.3	720.7	720.0	719.1	718.3	717.4	716.5	717.4	718.3	719.1
142.5°	748.8	748.1	747.4	746.7	745.9	745.2	744.5	743.7	744.5	745.2	745.9
145°	788.2	787.7	787.2	786.6	785.8	785.1	784.5	783.8	784.5	785.1	785.8
147.5°	823.6	823.2	822.8	822.3	822.0	821.6	821.2	820.8	821.2	821.6	822.0
150°	846.4	845.7	845.0	844.8	844.9	845.1	845.3	845.4	845.3	845.1	844.9
152.5°	867.5	867.2	867.0	866.6	866.4	866.2	865.9	865.7	865.9	866.2	866.4
155°	897.3	897.1	896.9	896.8	896.8	896.8	896.8	896.8	896.8	896.8	896.8
157.5°	923.4	923.2	923.1	923.1	923.5	923.9	924.3	924.7	924.3	923.9	923.5
160°	939.2	939.1	938.9	939.1	939.5	940.1	940.6	941.1	940.6	940.1	939.5
162.5°	954.0	954.0	953.9	954.2	954.5	954.9	955.3	955.7	955.3	954.9	954.5
165°	974.0	973.8	973.7	973.8	974.1	974.5	974.8	975.2	974.8	974.5	974.1
167.5°	988.4	988.4	988.4	988.8	989.5	990.2	990.9	991.6	990.9	990.2	989.5
170°	997.3	997.3	997.3	997.7	998.4	999.0	999.7	1000.4	999.7	999.0	998.4
172.5°	1003.6	1003.6	1003.6	1004.0	1004.6	1005.4	1006.1	1006.8	1006.1	1005.4	1004.6
175°	1010.7	1010.7	1010.7	1011.1	1011.8	1012.5	1013.2	1013.9	1013.2	1012.5	1011.8
177.5°	1014.6	1014.8	1014.9	1015.3	1015.8	1016.4	1017.0	1017.6	1017.0	1016.4	1015.8
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3



TEST NUMBER: P333509-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	438.4	436.4	434.9	432.0	429.9	429.0	427.5	427.0	428.6	427.5	427.3
5°	425.4	420.1	415.9	411.7	407.1	404.2	399.7	399.0	397.9	396.3	395.9
7.5°	409.8	402.8	397.4	390.5	384.4	379.5	374.1	371.5	370.0	367.9	365.0
10°	399.3	391.0	383.7	376.7	369.2	363.1	357.7	353.5	350.7	348.2	347.1
12.5°	388.8	380.4	371.1	362.7	354.3	347.5	341.4	338.7	335.6	332.6	330.1
15°	372.6	361.6	351.3	341.6	334.5	327.1	321.2	317.2	312.7	311.3	306.4
17.5°	355.5	344.6	332.6	322.4	314.1	306.0	299.6	295.0	291.6	286.8	284.6
20°	344.8	331.8	320.1	310.8	301.7	292.2	285.6	281.7	278.5	274.6	272.7
22.5°	333.4	320.8	308.7	297.8	288.5	279.1	274.4	270.5	266.7	263.2	260.7
25°	316.6	303.9	291.2	279.9	270.2	263.4	257.9	253.3	251.4	247.9	245.3
27.5°	300.1	286.5	273.4	262.1	254.4	247.7	243.2	239.6	236.0	233.0	230.7
30°	289.4	275.5	261.2	252.2	244.2	237.8	232.8	229.3	226.6	223.9	222.2
32.5°	278.7	264.4	251.7	242.0	234.4	228.9	223.8	220.4	217.5	214.5	212.5
35°	261.6	246.9	236.7	227.2	219.7	214.5	211.0	206.3	203.9	201.7	199.7
37.5°	245.7	232.0	220.9	212.6	206.0	201.0	196.5	193.9	191.0	189.0	187.4
40°	233.9	221.5	211.4	202.6	197.9	192.2	188.0	184.7	182.5	179.9	178.1
42.5°	223.4	211.8	202.0	194.2	188.2	183.4	179.4	176.0	173.3	171.4	169.9
45°	208.5	196.9	187.4	180.1	174.6	170.1	165.8	164.2	160.5	158.4	157.6
47.5°	193.1	182.8	173.6	166.8	161.2	156.9	152.9	149.6	147.5	145.4	144.2
50°	182.7	172.8	164.2	157.6	152.1	147.3	143.7	141.5	138.7	136.7	135.3
52.5°	172.3	163.1	154.6	148.2	143.5	138.7	134.6	132.5	129.8	128.6	127.5
55°	157.4	147.7	140.4	134.2	129.2	124.8	121.0	118.8	117.2	115.9	115.5
57.5°	140.6	132.9	126.1	120.5	115.3	111.2	107.8	105.8	104.3	104.1	103.0
60°	129.6	122.6	116.5	110.4	106.0	102.1	99.2	96.8	95.4	95.2	94.8
62.5°	118.6	111.9	106.2	100.8	96.9	93.2	90.4	87.8	86.9	86.0	85.2
65°	102.3	96.3	91.5	87.3	83.1	80.0	77.2	75.6	73.6	72.5	70.5
67.5°	86.3	81.7	77.1	73.5	70.2	67.3	65.0	62.5	61.2	60.3	58.9
70°	75.8	72.1	67.6	63.7	61.2	58.8	57.0	54.2	53.2	52.5	51.8
72.5°	65.8	62.6	58.8	55.6	53.1	50.9	48.7	47.5	46.5	45.8	45.4
75°	51.8	48.7	45.4	43.2	41.4	39.5	38.4	37.5	37.2	37.0	36.3
77.5°	38.0	36.4	33.7	32.0	30.8	30.0	29.1	28.6	28.5	27.7	27.5
80°	29.1	28.2	26.0	25.3	24.3	23.6	23.1	22.2	21.2	20.8	20.3
82.5°	21.6	20.8	19.8	18.7	17.9	17.4	17.0	16.6	16.7	16.2	15.9
85°	11.6	10.6	10.2	10.1	9.7	10.1	9.9	9.7	9.5	9.3	9.5
87.5°	4.9	5.2	5.3	5.9	5.6	6.0	6.3	6.3	6.4	6.6	6.6
90°	6.4	7.8	9.0	10.2	11.4	12.7	13.5	14.4	15.3	16.2	16.9
92.5°	23.1	24.3	25.8	27.3	28.8	30.3	31.5	32.7	33.8	35.0	35.8
95°	52.8	53.9	55.6	57.4	59.2	60.9	62.1	63.4	64.6	65.8	66.6
97.5°	86.0	87.3	89.7	92.1	94.5	97.0	98.2	99.3	100.4	101.6	102.3
100°	110.7	111.9	114.2	116.5	118.7	121.0	122.6	124.1	125.7	127.3	128.3
102.5°	140.8	141.6	142.8	144.0	145.1	146.3	148.1	149.7	151.5	153.2	154.3
105°	183.9	184.8	185.8	186.9	188.0	189.0	190.0	191.2	192.2	193.2	194.0
107.5°	230.7	231.5	232.3	233.1	233.9	234.7	235.3	235.8	236.3	236.9	237.1
110°	262.9	263.6	264.1	264.7	265.2	265.7	266.3	266.8	267.3	267.8	268.0



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	294.1	294.7	295.4	296.0	296.7	297.4	297.6	297.9	298.1	298.3	298.3
115°	343.6	344.2	344.5	344.9	345.2	345.6	345.5	345.2	345.1	344.9	344.8
117.5°	390.9	391.2	391.5	391.8	392.1	392.4	392.6	392.7	392.8	393.0	392.7
120°	423.5	424.0	424.1	424.4	424.5	424.7	424.7	424.7	424.7	424.7	424.4
122.5°	454.2	454.5	455.0	455.4	455.9	456.3	456.2	456.1	455.9	455.7	455.4
125°	501.7	502.3	502.5	502.6	502.8	503.0	502.6	502.3	501.9	501.6	501.3
127.5°	547.3	547.7	548.0	548.1	548.3	548.6	548.3	548.2	548.0	547.9	547.6
130°	576.9	577.5	577.9	578.2	578.5	578.9	578.8	578.5	578.4	578.2	578.0
132.5°	607.6	608.3	608.2	608.2	608.1	608.0	607.8	607.7	607.5	607.3	607.0
135°	651.2	651.8	652.0	652.1	652.3	652.4	652.4	652.4	652.4	652.4	652.1
137.5°	693.4	694.1	694.5	694.9	695.3	695.6	695.9	696.1	696.2	696.5	696.2
140°	720.0	720.7	721.3	721.8	722.3	722.9	723.2	723.6	723.9	724.3	724.0
142.5°	746.7	747.4	748.1	748.8	749.4	750.0	750.3	750.5	750.7	750.9	750.6
145°	786.6	787.2	787.7	788.2	788.8	789.3	789.3	789.3	789.3	789.3	789.0
147.5°	822.3	822.8	823.2	823.6	823.9	824.4	824.8	825.2	825.7	826.1	825.7
150°	844.8	845.0	845.7	846.4	847.1	847.8	847.8	847.8	847.8	847.8	847.6
152.5°	866.6	867.0	867.2	867.5	867.8	868.1	868.5	868.9	869.3	869.7	869.7
155°	896.8	896.9	897.1	897.3	897.5	897.6	898.3	899.0	899.8	900.5	900.4
157.5°	923.1	923.1	923.2	923.4	923.6	923.8	924.5	925.1	925.8	926.5	926.3
160°	939.1	938.9	939.1	939.2	939.4	939.5	940.2	941.0	941.7	942.4	942.3
162.5°	954.2	953.9	954.0	954.0	954.1	954.1	955.0	955.8	956.6	957.5	957.4
165°	973.8	973.7	973.8	974.0	974.1	974.4	975.1	975.7	976.4	977.2	977.0
167.5°	988.8	988.4	988.4	988.4	988.4	988.4	989.5	990.5	991.6	992.7	992.6
170°	997.7	997.3	997.3	997.3	997.3	997.3	998.4	999.4	1000.4	1001.5	1001.4
172.5°	1004.0	1003.6	1003.6	1003.6	1003.6	1003.6	1004.6	1005.8	1006.8	1007.8	1007.8
175°	1011.1	1010.7	1010.7	1010.7	1010.7	1010.7	1011.8	1012.9	1013.9	1014.9	1014.9
177.5°	1015.3	1014.9	1014.8	1014.6	1014.5	1014.4	1015.3	1016.1	1016.9	1017.7	1017.7
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3



TEST NUMBER: P333509-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	427.1	425.6	425.1	425.7	425.1	425.6	427.1	427.3	427.5	428.6	427.0
5°	394.1	392.3	393.2	392.8	393.2	392.3	394.1	395.9	396.3	397.9	399.0
7.5°	365.0	362.7	360.4	361.1	360.4	362.7	365.0	365.0	367.9	370.0	371.5
10°	344.7	342.9	341.7	342.7	341.7	342.9	344.7	347.1	348.2	350.7	353.5
12.5°	327.6	326.5	325.5	325.1	325.5	326.5	327.6	330.1	332.6	335.6	338.7
15°	304.2	302.1	301.1	298.7	301.1	302.1	304.2	306.4	311.3	312.7	317.2
17.5°	282.7	282.0	279.6	278.6	279.6	282.0	282.7	284.6	286.8	291.6	295.0
20°	270.0	269.3	266.9	268.3	266.9	269.3	270.0	272.7	274.6	278.5	281.7
22.5°	259.4	257.9	257.1	256.7	257.1	257.9	259.4	260.7	263.2	266.7	270.5
25°	244.5	242.2	241.2	240.2	241.2	242.2	244.5	245.3	247.9	251.4	253.3
27.5°	229.7	228.4	227.2	226.9	227.2	228.4	229.7	230.7	233.0	236.0	239.6
30°	220.0	218.7	217.9	217.9	217.9	218.7	220.0	222.2	223.9	226.6	229.3
32.5°	211.4	210.4	209.5	209.3	209.5	210.4	211.4	212.5	214.5	217.5	220.4
35°	198.8	197.3	196.9	195.8	196.9	197.3	198.8	199.7	201.7	203.9	206.3
37.5°	185.7	184.5	184.5	184.3	184.5	184.5	185.7	187.4	189.0	191.0	193.9
40°	177.4	176.4	176.3	175.0	176.3	176.4	177.4	178.1	179.9	182.5	184.7
42.5°	168.4	167.9	167.3	166.8	167.3	167.9	168.4	169.9	171.4	173.3	176.0
45°	156.3	155.0	155.0	154.2	155.0	155.0	156.3	157.6	158.4	160.5	164.2
47.5°	143.8	142.8	142.9	142.0	142.9	142.8	143.8	144.2	145.4	147.5	149.6
50°	135.5	134.9	134.8	134.4	134.8	134.9	135.5	135.3	136.7	138.7	141.5
52.5°	127.1	126.8	127.5	126.7	127.5	126.8	127.1	127.5	128.6	129.8	132.5
55°	115.9	115.3	116.5	115.3	116.5	115.3	115.9	115.5	115.9	117.2	118.8
57.5°	103.0	102.4	103.5	102.9	103.5	102.4	103.0	103.0	104.1	104.3	105.8
60°	94.4	93.3	93.9	94.1	93.9	93.3	94.4	94.8	95.2	95.4	96.8
62.5°	84.4	83.7	84.1	83.3	84.1	83.7	84.4	85.2	86.0	86.9	87.8
65°	70.1	69.6	68.8	68.4	68.8	69.6	70.1	70.5	72.5	73.6	75.6
67.5°	58.9	57.6	57.5	57.8	57.5	57.6	58.9	58.9	60.3	61.2	62.5
70°	50.7	50.7	50.5	50.5	50.5	50.7	50.7	51.8	52.5	53.2	54.2
72.5°	45.0	44.8	44.5	44.4	44.5	44.8	45.0	45.4	45.8	46.5	47.5
75°	36.3	36.4	36.0	35.9	36.0	36.4	36.3	36.3	37.0	37.2	37.5
77.5°	26.8	26.0	26.4	26.0	26.4	26.0	26.8	27.5	27.7	28.5	28.6
80°	20.3	20.1	20.7	20.1	20.7	20.1	20.3	20.3	20.8	21.2	22.2
82.5°	16.1	15.9	16.2	15.8	16.2	15.9	16.1	15.9	16.2	16.7	16.6
85°	9.7	9.5	9.3	9.5	9.3	9.5	9.7	9.5	9.3	9.5	9.7
87.5°	6.8	6.8	6.9	7.1	6.9	6.8	6.8	6.6	6.6	6.4	6.3
90°	17.4	17.9	18.5	19.0	18.5	17.9	17.4	16.9	16.2	15.3	14.4
92.5°	36.2	36.5	36.9	37.3	36.9	36.5	36.2	35.8	35.0	33.8	32.7
95°	66.9	67.3	67.7	68.0	67.7	67.3	66.9	66.6	65.8	64.6	63.4
97.5°	102.5	102.7	102.9	103.1	102.9	102.7	102.5	102.3	101.6	100.4	99.3
100°	128.7	129.0	129.4	129.7	129.4	129.0	128.7	128.3	127.3	125.7	124.1
102.5°	154.8	155.3	155.8	156.3	155.8	155.3	154.8	154.3	153.2	151.5	149.7
105°	194.6	195.1	195.6	196.1	195.6	195.1	194.6	194.0	193.2	192.2	191.2
107.5°	237.0	237.0	237.0	236.9	237.0	237.0	237.0	237.1	236.9	236.3	235.8
110°	267.8	267.7	267.5	267.3	267.5	267.7	267.8	268.0	267.8	267.3	266.8



TEST NUMBER: P333509-927

CATALOG NUMBER: S125RDIP-S375D1035U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	298.0	297.7	297.4	297.1	297.4	297.7	298.0	298.3	298.3	298.1	297.9
115°	344.5	344.4	344.2	344.0	344.2	344.4	344.5	344.8	344.9	345.1	345.2
117.5°	392.0	391.3	390.6	389.9	390.6	391.3	392.0	392.7	393.0	392.8	392.7
120°	423.7	422.9	422.2	421.5	422.2	422.9	423.7	424.4	424.7	424.7	424.7
122.5°	454.9	454.3	453.8	453.2	453.8	454.3	454.9	455.4	455.7	455.9	456.1
125°	501.1	501.0	500.8	500.7	500.8	501.0	501.1	501.3	501.6	501.9	502.3
127.5°	547.2	546.8	546.5	546.2	546.5	546.8	547.2	547.6	547.9	548.0	548.2
130°	577.6	577.3	576.9	576.6	576.9	577.3	577.6	578.0	578.2	578.4	578.5
132.5°	606.5	606.0	605.5	605.0	605.5	606.0	606.5	607.0	607.3	607.5	607.7
135°	651.4	650.7	650.0	649.3	650.0	650.7	651.4	652.1	652.4	652.4	652.4
137.5°	695.3	694.4	693.6	692.7	693.6	694.4	695.3	696.2	696.5	696.2	696.1
140°	723.1	722.2	721.4	720.5	721.4	722.2	723.1	724.0	724.3	723.9	723.6
142.5°	749.7	748.8	748.0	747.0	748.0	748.8	749.7	750.6	750.9	750.7	750.5
145°	788.5	788.0	787.4	787.0	787.4	788.0	788.5	789.0	789.3	789.3	789.3
147.5°	824.5	823.3	822.1	820.9	822.1	823.3	824.5	825.7	826.1	825.7	825.2
150°	847.3	846.9	846.6	846.2	846.6	846.9	847.3	847.6	847.8	847.8	847.8
152.5°	869.0	868.4	867.8	867.1	867.8	868.4	869.0	869.7	869.7	869.3	868.9
155°	899.5	898.6	897.7	896.8	897.7	898.6	899.5	900.4	900.5	899.8	899.0
157.5°	925.2	924.0	922.8	921.7	922.8	924.0	925.2	926.3	926.5	925.8	925.1
160°	941.4	940.6	939.7	938.7	939.7	940.6	941.4	942.3	942.4	941.7	941.0
162.5°	956.4	955.4	954.3	953.3	954.3	955.4	956.4	957.4	957.5	956.6	955.8
165°	976.0	974.9	973.8	972.8	973.8	974.9	976.0	977.0	977.2	976.4	975.7
167.5°	991.6	990.5	989.4	988.2	989.4	990.5	991.6	992.6	992.7	991.6	990.5
170°	1000.2	998.9	997.8	996.5	997.8	998.9	1000.2	1001.4	1001.5	1000.4	999.4
172.5°	1006.7	1005.7	1004.6	1003.5	1004.6	1005.7	1006.7	1007.8	1007.8	1006.8	1005.8
175°	1013.7	1012.4	1011.1	1010.0	1011.1	1012.4	1013.7	1014.9	1014.9	1013.9	1012.9
177.5°	1016.7	1015.7	1014.7	1013.8	1014.7	1015.7	1016.7	1017.7	1017.7	1016.9	1016.1
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3



TEST NUMBER: P333509-927

CATALOG NUMBER: S125RDIP-S375D1035U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	427.5	429.0	429.9	432.0	434.9	436.4	438.4	439.9	442.0	444.4	446.5
5°	399.7	404.2	407.1	411.7	415.9	420.1	425.4	429.2	434.4	440.2	444.8
7.5°	374.1	379.5	384.4	390.5	397.4	402.8	409.8	416.8	424.8	433.2	441.0
10°	357.7	363.1	369.2	376.7	383.7	391.0	399.3	407.5	417.6	426.8	437.4
12.5°	341.4	347.5	354.3	362.7	371.1	380.4	388.8	398.1	408.9	421.0	432.4
15°	321.2	327.1	334.5	341.6	351.3	361.6	372.6	384.9	397.0	410.6	424.7
17.5°	299.6	306.0	314.1	322.4	332.6	344.6	355.5	369.0	382.5	398.3	414.9
20°	285.6	292.2	301.7	310.8	320.1	331.8	344.8	358.6	373.0	389.7	408.2
22.5°	274.4	279.1	288.5	297.8	308.7	320.8	333.4	347.8	363.5	380.8	400.1
25°	257.9	263.4	270.2	279.9	291.2	303.9	316.6	331.8	349.0	366.6	387.3
27.5°	243.2	247.7	254.4	262.1	273.4	286.5	300.1	315.9	333.6	351.5	373.2
30°	232.8	237.8	244.2	252.2	261.2	275.5	289.4	305.0	322.9	341.4	363.7
32.5°	223.8	228.9	234.4	242.0	251.7	264.4	278.7	294.0	312.2	331.3	353.0
35°	211.0	214.5	219.7	227.2	236.7	246.9	261.6	277.7	295.4	315.2	337.0
37.5°	196.5	201.0	206.0	212.6	220.9	232.0	245.7	262.0	278.5	297.3	317.2
40°	188.0	192.2	197.9	202.6	211.4	221.5	233.9	251.0	267.4	285.2	303.3
42.5°	179.4	183.4	188.2	194.2	202.0	211.8	223.4	239.2	256.9	273.6	288.8
45°	165.8	170.1	174.6	180.1	187.4	196.9	208.5	222.9	238.3	253.7	265.2
47.5°	152.9	156.9	161.2	166.8	173.6	182.8	193.1	205.9	220.8	233.9	242.1
50°	143.7	147.3	152.1	157.6	164.2	172.8	182.7	195.3	207.8	219.7	227.2
52.5°	134.6	138.7	143.5	148.2	154.6	163.1	172.3	183.2	195.0	204.7	210.9
55°	121.0	124.8	129.2	134.2	140.4	147.7	157.4	166.0	175.4	183.6	187.3
57.5°	107.8	111.2	115.3	120.5	126.1	132.9	140.6	148.9	155.4	161.3	165.4
60°	99.2	102.1	106.0	110.4	116.5	122.6	129.6	137.3	142.4	147.3	151.2
62.5°	90.4	93.2	96.9	100.8	106.2	111.9	118.6	124.8	129.8	133.2	137.6
65°	77.2	80.0	83.1	87.3	91.5	96.3	102.3	106.9	110.4	114.1	116.8
67.5°	65.0	67.3	70.2	73.5	77.1	81.7	86.3	90.2	92.5	94.7	98.0
70°	57.0	58.8	61.2	63.7	67.6	72.1	75.8	78.7	80.3	82.5	86.6
72.5°	48.7	50.9	53.1	55.6	58.8	62.6	65.8	68.8	69.8	71.5	74.1
75°	38.4	39.5	41.4	43.2	45.4	48.7	51.8	52.5	53.5	54.9	56.7
77.5°	29.1	30.0	30.8	32.0	33.7	36.4	38.0	39.1	39.4	39.9	41.7
80°	23.1	23.6	24.3	25.3	26.0	28.2	29.1	30.2	30.6	31.1	32.0
82.5°	17.0	17.4	17.9	18.7	19.8	20.8	21.6	22.7	22.8	23.2	23.4
85°	9.9	10.1	9.7	10.1	10.2	10.6	11.6	12.4	12.3	12.1	12.6
87.5°	6.3	6.0	5.6	5.9	5.3	5.2	4.9	4.8	4.8	4.8	4.8
90°	13.5	12.7	11.4	10.2	9.0	7.8	6.4	5.0	3.6	2.2	0.8
92.5°	31.5	30.3	28.8	27.3	25.8	24.3	23.1	22.1	21.1	20.1	19.2
95°	62.1	60.9	59.2	57.4	55.6	53.9	52.8	52.4	52.1	51.7	51.4
97.5°	98.2	97.0	94.5	92.1	89.7	87.3	86.0	85.9	85.7	85.6	85.4
100°	122.6	121.0	118.7	116.5	114.2	111.9	110.7	110.7	110.7	110.7	110.7
102.5°	148.1	146.3	145.1	144.0	142.8	141.6	140.8	140.1	139.3	138.6	137.9
105°	190.0	189.0	188.0	186.9	185.8	184.8	183.9	183.0	182.0	181.2	180.3
107.5°	235.3	234.7	233.9	233.1	232.3	231.5	230.7	229.8	228.9	228.0	227.1
110°	266.3	265.7	265.2	264.7	264.1	263.6	262.9	262.1	261.2	260.3	259.4



TEST NUMBER: P333509-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	297.6	297.4	296.7	296.0	295.4	294.7	294.1	293.7	293.2	292.8	292.3
115°	345.5	345.6	345.2	344.9	344.5	344.2	343.6	343.0	342.3	341.6	340.9
117.5°	392.6	392.4	392.1	391.8	391.5	391.2	390.9	390.5	390.2	389.9	389.6
120°	424.7	424.7	424.5	424.4	424.1	424.0	423.5	422.6	421.7	420.8	419.9
122.5°	456.2	456.3	455.9	455.4	455.0	454.5	454.2	453.8	453.5	453.2	452.9
125°	502.6	503.0	502.8	502.6	502.5	502.3	501.7	500.7	499.6	498.5	497.5
127.5°	548.3	548.6	548.3	548.1	548.0	547.7	547.3	546.7	546.1	545.5	544.9
130°	578.8	578.9	578.5	578.2	577.9	577.5	576.9	576.0	575.1	574.3	573.4
132.5°	607.8	608.0	608.1	608.2	608.2	608.3	607.6	606.2	604.8	603.3	601.8
135°	652.4	652.4	652.3	652.1	652.0	651.8	651.2	650.1	649.0	648.0	647.0
137.5°	695.9	695.6	695.3	694.9	694.5	694.1	693.4	692.4	691.3	690.3	689.4
140°	723.2	722.9	722.3	721.8	721.3	720.7	720.0	719.1	718.3	717.4	716.5
142.5°	750.3	750.0	749.4	748.8	748.1	747.4	746.7	745.9	745.2	744.5	743.7
145°	789.3	789.3	788.8	788.2	787.7	787.2	786.6	785.8	785.1	784.5	783.8
147.5°	824.8	824.4	823.9	823.6	823.2	822.8	822.3	822.0	821.6	821.2	820.8
150°	847.8	847.8	847.1	846.4	845.7	845.0	844.8	844.9	845.1	845.3	845.4
152.5°	868.5	868.1	867.8	867.5	867.2	867.0	866.6	866.4	866.2	865.9	865.7
155°	898.3	897.6	897.5	897.3	897.1	896.9	896.8	896.8	896.8	896.8	896.8
157.5°	924.5	923.8	923.6	923.4	923.2	923.1	923.1	923.5	923.9	924.3	924.7
160°	940.2	939.5	939.4	939.2	939.1	938.9	939.1	939.5	940.1	940.6	941.1
162.5°	955.0	954.1	954.1	954.0	954.0	953.9	954.2	954.5	954.9	955.3	955.7
165°	975.1	974.4	974.1	974.0	973.8	973.7	973.8	974.1	974.5	974.8	975.2
167.5°	989.5	988.4	988.4	988.4	988.4	988.4	988.8	989.5	990.2	990.9	991.6
170°	998.4	997.3	997.3	997.3	997.3	997.3	997.7	998.4	999.0	999.7	1000.4
172.5°	1004.6	1003.6	1003.6	1003.6	1003.6	1003.6	1004.0	1004.6	1005.4	1006.1	1006.8
175°	1011.8	1010.7	1010.7	1010.7	1010.7	1010.7	1011.1	1011.8	1012.5	1013.2	1013.9
177.5°	1015.3	1014.4	1014.5	1014.6	1014.8	1014.9	1015.3	1015.8	1016.4	1017.0	1017.6
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3



TEST NUMBER: P333509-927

CATALOG NUMBER: S125RDIP-S375D1035U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	448.1	449.4	451.3	453.5	455.3	457.2	458.2	458.2	459.1	461.0	463.5
5°	449.4	454.2	458.7	464.5	469.1	474.4	478.5	482.4	485.8	490.2	494.8
7.5°	449.0	456.9	465.2	474.4	484.6	492.7	501.0	507.5	513.9	522.4	528.9
10°	447.6	457.8	469.0	480.7	493.5	504.6	514.8	523.9	532.7	541.9	550.1
12.5°	444.9	458.0	471.6	485.7	501.8	514.6	527.6	537.3	547.6	557.6	567.8
15°	440.9	456.3	472.8	492.4	512.1	526.4	539.2	551.9	561.4	572.7	582.5
17.5°	432.8	452.6	473.3	494.7	513.7	530.3	543.8	555.8	565.9	578.4	591.6
20°	427.9	449.4	471.0	493.8	512.0	529.0	542.0	554.4	567.0	583.4	599.4
22.5°	421.2	444.1	467.0	488.7	507.9	524.3	537.7	552.9	569.6	588.0	607.5
25°	410.6	434.2	456.9	477.5	496.2	513.1	531.4	551.9	572.0	596.4	624.4
27.5°	397.0	419.9	440.1	461.9	480.5	501.9	524.7	547.0	576.0	609.5	644.4
30°	387.0	408.5	427.8	448.5	469.5	493.1	518.7	544.9	579.6	618.9	660.4
32.5°	375.3	394.8	413.8	433.8	458.1	484.0	511.3	543.3	584.6	629.4	672.4
35°	354.9	372.5	391.0	413.1	438.9	467.1	501.9	540.9	590.9	639.0	677.6
37.5°	333.6	347.5	366.1	389.4	417.6	450.1	489.6	537.0	588.3	631.5	647.9
40°	317.2	330.2	349.8	374.3	402.2	437.8	482.1	530.8	582.5	612.4	611.2
42.5°	301.0	314.1	333.0	357.7	386.7	426.6	472.2	522.8	566.3	577.7	554.0
45°	276.0	288.3	306.8	331.7	362.8	404.7	452.7	501.2	529.0	510.5	463.3
47.5°	250.6	262.5	279.7	304.0	338.0	381.9	427.3	467.1	471.0	431.3	374.6
50°	233.9	245.1	261.4	287.4	320.4	363.1	406.9	438.2	428.5	380.0	321.6
52.5°	217.7	228.4	243.7	268.2	301.9	343.8	382.9	407.5	385.0	333.4	280.9
55°	193.7	203.9	219.3	241.8	272.4	310.8	345.1	354.0	321.1	269.1	226.6
57.5°	170.9	178.4	193.5	213.5	243.0	276.9	301.3	299.8	263.4	216.6	186.1
60°	155.7	162.6	177.0	195.3	223.3	253.7	270.9	263.6	226.8	188.1	158.9
62.5°	141.7	148.1	160.2	177.0	201.1	227.5	240.0	229.9	195.2	161.2	137.9
65°	120.4	125.0	134.8	150.3	169.1	187.4	198.6	183.8	153.0	127.4	109.8
67.5°	100.5	104.5	113.1	124.3	137.3	150.0	154.5	140.6	116.7	99.4	87.0
70°	87.7	91.3	97.2	107.7	116.2	125.2	127.4	114.9	95.0	81.8	74.1
72.5°	75.4	78.7	83.9	91.3	97.2	102.3	103.4	91.8	76.5	67.5	61.6
75°	57.5	60.4	63.7	66.5	70.3	71.2	70.8	61.9	53.6	47.6	44.3
77.5°	42.2	43.5	45.5	46.6	46.7	46.7	44.8	39.1	34.9	32.4	31.1
80°	32.6	33.5	34.1	34.4	34.6	32.8	30.7	27.3	25.8	24.3	22.7
82.5°	23.7	24.2	24.8	24.9	23.9	22.3	20.5	18.8	17.7	17.0	16.4
85°	12.8	13.0	12.8	11.9	10.6	10.1	9.7	9.3	9.2	9.0	9.0
87.5°	5.0	4.8	4.4	4.8	5.1	5.1	5.4	5.5	5.6	5.8	5.9
90°	2.2	3.6	5.0	6.4	7.8	9.0	10.2	11.4	12.7	13.5	14.4
92.5°	20.1	21.1	22.1	23.1	24.3	25.8	27.3	28.8	30.3	31.5	32.7
95°	51.7	52.1	52.4	52.8	53.9	55.6	57.4	59.2	60.9	62.1	63.4
97.5°	85.6	85.7	85.9	86.0	87.3	89.7	92.1	94.5	97.0	98.2	99.3
100°	110.7	110.7	110.7	110.7	111.9	114.2	116.5	118.7	121.0	122.6	124.1
102.5°	138.6	139.3	140.1	140.8	141.6	142.8	144.0	145.1	146.3	148.1	149.7
105°	181.2	182.0	183.0	183.9	184.8	185.8	186.9	188.0	189.0	190.0	191.2
107.5°	228.0	228.9	229.8	230.7	231.5	232.3	233.1	233.9	234.7	235.3	235.8
110°	260.3	261.2	262.1	262.9	263.6	264.1	264.7	265.2	265.7	266.3	266.8





TEST NUMBER: P333509-927

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	292.8	293.2	293.7	294.1	294.7	295.4	296.0	296.7	297.4	297.6	297.9
115°	341.6	342.3	343.0	343.6	344.2	344.5	344.9	345.2	345.6	345.5	345.2
117.5°	389.9	390.2	390.5	390.9	391.2	391.5	391.8	392.1	392.4	392.6	392.7
120°	420.8	421.7	422.6	423.5	424.0	424.1	424.4	424.5	424.7	424.7	424.7
122.5°	453.2	453.5	453.8	454.2	454.5	455.0	455.4	455.9	456.3	456.2	456.1
125°	498.5	499.6	500.7	501.7	502.3	502.5	502.6	502.8	503.0	502.6	502.3
127.5°	545.5	546.1	546.7	547.3	547.7	548.0	548.1	548.3	548.6	548.3	548.2
130°	574.3	575.1	576.0	576.9	577.5	577.9	578.2	578.5	578.9	578.8	578.5
132.5°	603.3	604.8	606.2	607.6	608.3	608.2	608.2	608.1	608.0	607.8	607.7
135°	648.0	649.0	650.1	651.2	651.8	652.0	652.1	652.3	652.4	652.4	652.4
137.5°	690.3	691.3	692.4	693.4	694.1	694.5	694.9	695.3	695.6	695.9	696.1
140°	717.4	718.3	719.1	720.0	720.7	721.3	721.8	722.3	722.9	723.2	723.6
142.5°	744.5	745.2	745.9	746.7	747.4	748.1	748.8	749.4	750.0	750.3	750.5
145°	784.5	785.1	785.8	786.6	787.2	787.7	788.2	788.8	789.3	789.3	789.3
147.5°	821.2	821.6	822.0	822.3	822.8	823.2	823.6	823.9	824.4	824.8	825.2
150°	845.3	845.1	844.9	844.8	845.0	845.7	846.4	847.1	847.8	847.8	847.8
152.5°	865.9	866.2	866.4	866.6	867.0	867.2	867.5	867.8	868.1	868.5	868.9
155°	896.8	896.8	896.8	896.8	896.9	897.1	897.3	897.5	897.6	898.3	899.0
157.5°	924.3	923.9	923.5	923.1	923.1	923.2	923.4	923.6	923.8	924.5	925.1
160°	940.6	940.1	939.5	939.1	938.9	939.1	939.2	939.4	939.5	940.2	941.0
162.5°	955.3	954.9	954.5	954.2	953.9	954.0	954.0	954.1	954.1	955.0	955.8
165°	974.8	974.5	974.1	973.8	973.7	973.8	974.0	974.1	974.4	975.1	975.7
167.5°	990.9	990.2	989.5	988.8	988.4	988.4	988.4	988.4	988.4	989.5	990.5
170°	999.7	999.0	998.4	997.7	997.3	997.3	997.3	997.3	997.3	998.4	999.4
172.5°	1006.1	1005.4	1004.6	1004.0	1003.6	1003.6	1003.6	1003.6	1003.6	1004.6	1005.8
175°	1013.2	1012.5	1011.8	1011.1	1010.7	1010.7	1010.7	1010.7	1010.7	1011.8	1012.9
177.5°	1017.0	1016.4	1015.8	1015.3	1014.9	1014.8	1014.6	1014.5	1014.4	1015.3	1016.1
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	465.4	465.4	467.9	467.7	469.4	468.7	469.1
5°	500.3	503.4	506.1	507.9	510.7	511.4	511.0
7.5°	536.5	543.4	546.7	551.4	552.2	554.6	554.4
10°	558.8	565.6	570.8	574.7	576.8	579.3	579.6
12.5°	576.4	582.2	586.7	590.4	592.9	593.7	594.1
15°	590.2	596.5	601.8	607.1	610.3	612.7	613.9
17.5°	604.0	613.9	623.2	630.4	634.8	638.4	638.4
20°	614.7	626.0	637.7	645.9	654.4	658.1	658.6
22.5°	626.1	643.4	658.5	671.3	682.4	686.2	687.6
25°	649.8	672.5	695.8	713.7	726.5	734.0	735.1
27.5°	678.5	709.2	733.6	750.2	760.8	766.4	767.6
30°	698.7	727.1	749.0	761.4	766.4	767.1	764.4
32.5°	707.7	729.0	737.8	737.0	727.3	720.9	718.4
35°	696.6	692.3	670.9	645.2	625.7	613.2	609.9
37.5°	634.0	596.1	556.7	518.0	497.4	486.9	468.9
40°	572.2	518.2	477.2	444.7	421.4	402.7	398.3
42.5°	502.5	446.7	405.8	377.9	359.3	346.5	340.9
45°	403.8	355.8	321.9	300.6	286.3	276.9	272.7
47.5°	323.0	285.8	261.2	245.3	234.4	226.3	224.0
50°	278.6	248.9	228.1	214.7	206.4	200.3	197.7
52.5°	242.0	218.0	202.0	191.0	183.2	179.4	177.2
55°	199.7	179.0	167.5	158.7	154.3	151.2	149.7
57.5°	163.3	148.4	140.0	133.9	129.8	127.9	127.1
60°	143.0	131.3	123.6	118.8	116.1	113.5	112.7
62.5°	124.9	115.7	109.8	105.6	102.9	101.8	101.3
65°	100.7	94.7	90.2	87.7	85.5	85.1	84.9
67.5°	80.0	76.4	74.1	71.5	70.7	69.5	69.2
70°	68.4	66.1	63.3	62.4	61.5	60.2	60.4
72.5°	58.1	55.7	53.8	52.6	52.3	51.7	52.2
75°	42.5	41.7	41.0	40.1	39.7	39.7	39.5
77.5°	30.3	29.7	28.9	28.4	28.2	27.5	27.7
80°	21.9	21.1	20.7	20.8	20.3	20.1	20.1
82.5°	16.2	15.9	15.5	15.6	15.4	15.3	15.4
85°	9.0	8.8	8.8	8.6	8.6	8.4	8.4
87.5°	6.3	6.6	6.4	6.4	6.5	6.7	7.1
90°	15.3	16.2	16.9	17.4	17.9	18.5	19.0
92.5°	33.8	35.0	35.8	36.2	36.5	36.9	37.3
95°	64.6	65.8	66.6	66.9	67.3	67.7	68.0
97.5°	100.4	101.6	102.3	102.5	102.7	102.9	103.1
100°	125.7	127.3	128.3	128.7	129.0	129.4	129.7
102.5°	151.5	153.2	154.3	154.8	155.3	155.8	156.3
105°	192.2	193.2	194.0	194.6	195.1	195.6	196.1
107.5°	236.3	236.9	237.1	237.0	237.0	237.0	236.9
110°	267.3	267.8	268.0	267.8	267.7	267.5	267.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	298.1	298.3	298.3	298.0	297.7	297.4	297.1
115°	345.1	344.9	344.8	344.5	344.4	344.2	344.0
117.5°	392.8	393.0	392.7	392.0	391.3	390.6	389.9
120°	424.7	424.7	424.4	423.7	422.9	422.2	421.5
122.5°	455.9	455.7	455.4	454.9	454.3	453.8	453.2
125°	501.9	501.6	501.3	501.1	501.0	500.8	500.7
127.5°	548.0	547.9	547.6	547.2	546.8	546.5	546.2
130°	578.4	578.2	578.0	577.6	577.3	576.9	576.6
132.5°	607.5	607.3	607.0	606.5	606.0	605.5	605.0
135°	652.4	652.4	652.1	651.4	650.7	650.0	649.3
137.5°	696.2	696.5	696.2	695.3	694.4	693.6	692.7
140°	723.9	724.3	724.0	723.1	722.2	721.4	720.5
142.5°	750.7	750.9	750.6	749.7	748.8	748.0	747.0
145°	789.3	789.3	789.0	788.5	788.0	787.4	787.0
147.5°	825.7	826.1	825.7	824.5	823.3	822.1	820.9
150°	847.8	847.8	847.6	847.3	846.9	846.6	846.2
152.5°	869.3	869.7	869.7	869.0	868.4	867.8	867.1
155°	899.8	900.5	900.4	899.5	898.6	897.7	896.8
157.5°	925.8	926.5	926.3	925.2	924.0	922.8	921.7
160°	941.7	942.4	942.3	941.4	940.6	939.7	938.7
162.5°	956.6	957.5	957.4	956.4	955.4	954.3	953.3
165°	976.4	977.2	977.0	976.0	974.9	973.8	972.8
167.5°	991.6	992.7	992.6	991.6	990.5	989.4	988.2
170°	1000.4	1001.5	1001.4	1000.2	998.9	997.8	996.5
172.5°	1006.8	1007.8	1007.8	1006.7	1005.7	1004.6	1003.5
175°	1013.9	1014.9	1014.9	1013.7	1012.4	1011.1	1010.0
177.5°	1016.9	1017.7	1017.7	1016.7	1015.7	1014.7	1013.8
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3

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