

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: P333648-927

Luminaire Tested: **S125RDIW-S375D1050U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333648-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S375D1050U927-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4476.5 lumens
Efficiency: N/A
Efficacy: 117.8 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

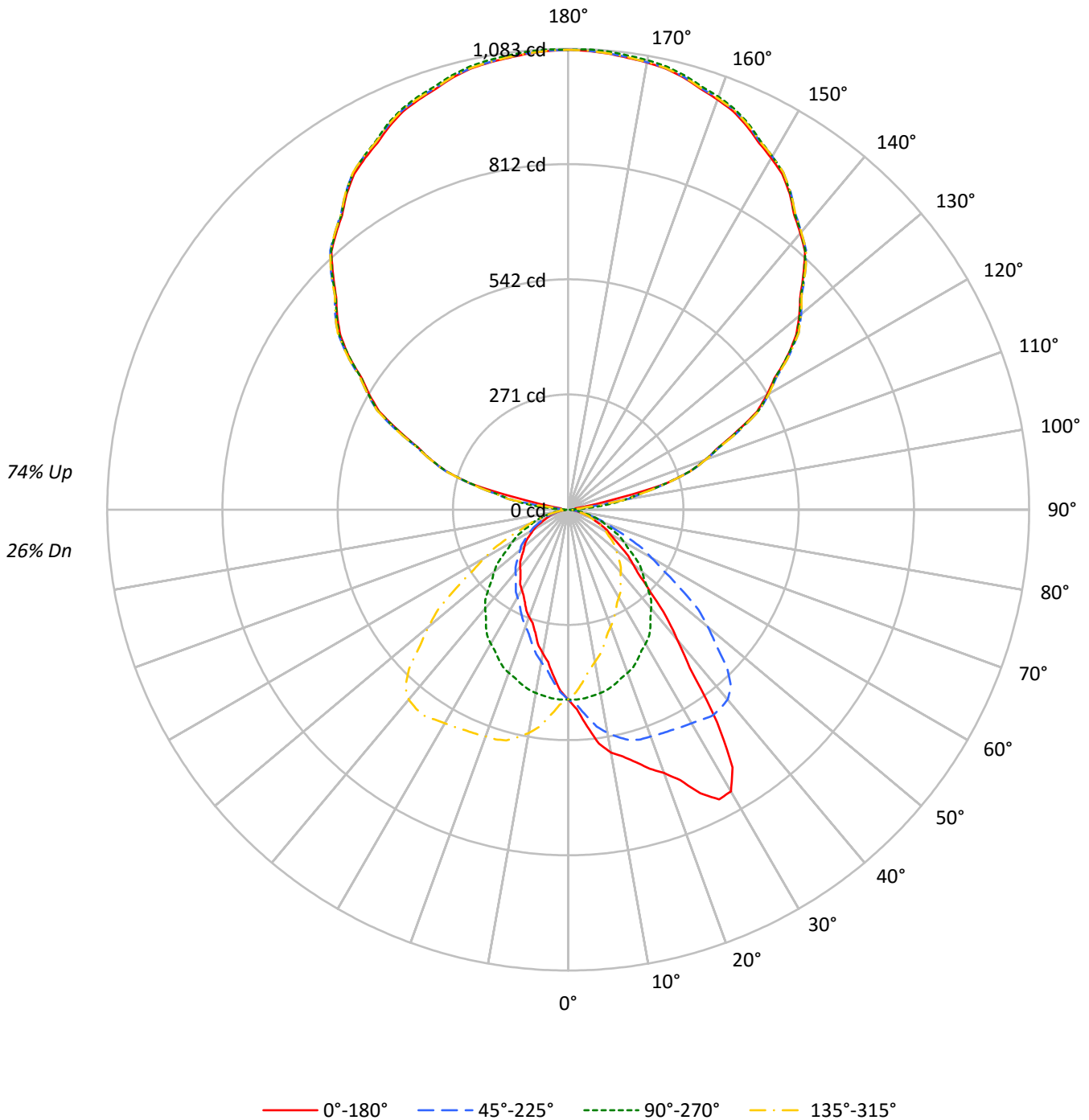
Input Watts (W): 38
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	93	89	85	82	82	79	76	73	61	59	58	45	44	43	30	30	29	22
2	84	77	72	67	75	69	65	60	54	51	48	40	38	36	27	26	25	19
3	77	68	61	56	69	61	55	51	48	44	40	35	33	31	24	22	21	16
4	70	60	53	47	63	54	48	43	42	38	34	32	29	26	21	20	18	14
5	65	54	46	40	57	48	42	37	38	33	30	28	25	23	19	18	16	12
6	59	48	40	35	53	43	37	32	34	29	26	26	22	20	18	16	14	11
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	36	28	24	42	32	26	22	26	21	18	19	16	14	14	12	10	8
10	44	32	26	21	39	29	23	19	23	19	16	18	15	13	13	11	9	7

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	1.0
10°-20°	125.3	2.8
20°-30°	198.7	4.4
30°-40°	239.6	5.4
40°-50°	214.0	4.8
50°-60°	164.1	3.7
60°-70°	106.6	2.4
70°-80°	51.8	1.2
80°-90°	14.6	0.3
90°-100°	39.3	0.9
100°-110°	242.1	5.4
110°-120°	439.0	9.8
120°-130°	563.4	12.6
130°-140°	606.0	13.5
140°-150°	568.8	12.7
150°-160°	460.1	10.3
160°-170°	297.6	6.6
170°-180°	102.6	2.3
0°-30°	366.8	8.2
0°-40°	606.3	13.5
0°-60°	984.4	22.0
0°-90°	1157.5	25.9
90°-120°	720.3	16.1
90°-150°	2458.6	54.9
90°-180°	3319.0	74.1
0°-180°	4476.5	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	9
95°	17	46	17	46	17	14
105°	238	236	238	236	238	215
115°	439	442	439	442	439	436
125°	629	629	629	629	629	559
135°	781	784	781	784	781	603
145°	907	909	907	909	907	567
155°	994	1002	994	1002	994	458
165°	1051	1057	1051	1057	1051	297
175°	1076	1081	1076	1081	1076	102
180°	1081	1081	1081	1081	1081	



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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	6.8	6.6	6.4	6.5	6.7	6.3	6.0	5.8	5.6	5.5
90°	19.3	18.7	18.1	17.7	17.1	16.4	15.5	14.6	13.7	12.8	11.6
92.5°	18.0	17.7	17.4	17.2	17.0	16.4	15.5	14.6	13.7	12.8	11.7
95°	16.8	16.8	16.8	16.8	16.8	16.4	15.5	14.6	13.7	12.8	19.6
97.5°	16.8	16.8	16.8	16.8	16.8	19.3	24.3	29.4	34.4	39.5	52.8
100°	16.8	17.5	18.2	18.9	19.6	33.3	59.8	86.3	112.9	139.4	138.7
102.5°	100.8	112.9	125.0	137.1	149.2	157.8	162.8	167.8	172.9	177.8	177.4
105°	238.0	238.1	238.3	238.5	238.7	238.8	238.8	238.8	238.8	238.8	238.8
107.5°	300.0	300.5	301.0	301.6	302.1	302.4	302.3	302.3	302.2	302.2	301.8
110°	342.9	342.7	342.5	342.4	342.2	342.4	342.9	343.4	344.0	344.5	344.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	381.4	381.6	381.8	382.1	382.4	382.9	383.5	384.2	384.8	385.6	385.3
115°	439.0	440.1	441.2	442.3	443.3	444.2	444.9	445.6	446.3	447.0	446.9
117.5°	500.6	501.1	501.5	502.0	502.4	503.1	504.1	505.0	505.9	506.8	506.1
120°	538.4	539.3	540.2	541.1	541.9	542.6	543.0	543.3	543.7	544.0	543.4
122.5°	574.3	575.4	576.4	577.4	578.5	579.1	579.5	579.8	580.2	580.5	580.3
125°	628.9	629.5	630.0	630.6	631.1	631.7	632.4	633.1	633.8	634.5	634.5
127.5°	674.9	676.2	677.6	678.9	680.2	681.0	681.4	681.8	682.2	682.6	682.7
130°	708.3	709.2	710.0	710.9	711.8	712.5	713.0	713.6	714.2	714.6	714.5
132.5°	739.0	739.9	740.8	741.7	742.6	743.1	743.1	743.3	743.4	743.5	743.9
135°	781.2	782.2	783.3	784.3	785.4	786.2	786.5	786.9	787.2	787.6	787.9
137.5°	823.5	824.4	825.3	826.2	827.2	827.6	827.5	827.4	827.4	827.3	827.6
140°	848.4	849.5	850.6	851.7	852.7	853.1	852.7	852.4	852.0	851.7	851.8
142.5°	872.2	873.2	874.3	875.4	876.5	876.9	876.9	876.8	876.7	876.6	876.4
145°	907.0	908.0	909.1	910.1	911.2	911.6	911.5	911.3	911.2	910.9	910.9
147.5°	935.6	936.9	938.2	939.4	940.8	941.3	941.1	940.9	940.6	940.4	940.2
150°	954.2	955.6	957.0	958.5	959.9	960.4	960.1	959.7	959.4	959.0	958.7
152.5°	971.5	972.8	974.1	975.3	976.7	977.1	976.8	976.4	976.0	975.7	975.3
155°	994.3	995.7	997.1	998.5	1000.0	1000.4	999.9	999.3	998.8	998.3	997.9
157.5°	1013.4	1014.8	1016.2	1017.6	1019.1	1019.5	1018.9	1018.4	1017.8	1017.2	1017.2
160°	1025.6	1027.0	1028.4	1029.8	1031.2	1031.6	1030.9	1030.2	1029.4	1028.7	1028.6
162.5°	1036.4	1038.0	1039.6	1041.1	1042.7	1043.0	1042.0	1041.0	1040.0	1038.9	1038.8
165°	1051.1	1052.6	1054.0	1055.4	1056.9	1057.0	1056.0	1054.9	1053.8	1052.7	1052.6
167.5°	1061.4	1063.0	1064.6	1066.2	1067.9	1068.0	1066.7	1065.4	1064.1	1062.9	1062.7
170°	1067.1	1068.8	1070.4	1072.0	1073.6	1073.7	1072.3	1070.9	1069.4	1068.0	1067.8
172.5°	1071.0	1072.6	1074.2	1075.9	1077.4	1077.6	1076.3	1075.1	1073.7	1072.5	1072.1
175°	1076.0	1077.6	1079.2	1080.8	1082.4	1082.5	1081.1	1079.7	1078.2	1076.8	1076.7
177.5°	1078.9	1080.1	1081.2	1082.3	1083.5	1083.5	1082.5	1081.5	1080.5	1079.5	1079.3
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



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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°	5.5	5.1	5.1	4.8	4.4	4.8	5.0	4.8	4.8	4.8	4.8
90°	10.3	9.1	7.8	6.5	5.1	3.6	2.2	0.8	2.2	3.6	5.1
92.5°	10.6	9.5	8.4	8.3	9.3	10.4	11.3	12.4	11.3	10.4	9.3
95°	26.4	33.1	39.8	43.6	44.0	44.6	45.2	45.6	45.2	44.6	44.0
97.5°	66.2	79.6	93.0	99.2	98.2	97.3	96.3	95.4	96.3	97.3	98.2
100°	138.0	137.3	136.6	135.9	135.4	134.8	134.4	133.8	134.4	134.8	135.4
102.5°	177.0	176.6	176.2	175.6	174.9	174.3	173.6	172.9	173.6	174.3	174.9
105°	238.8	238.8	238.8	238.4	237.7	236.9	236.2	235.5	236.2	236.9	237.7
107.5°	301.5	301.1	300.8	300.6	300.6	300.6	300.6	300.6	300.6	300.6	300.6
110°	343.8	343.4	343.1	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9



TEST NUMBER: P333648-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	385.1	384.9	384.7	384.4	383.9	383.5	383.1	382.6	383.1	383.5	383.9
115°	446.7	446.6	446.3	445.8	444.9	444.0	443.1	442.3	443.1	444.0	444.9
117.5°	505.5	504.8	504.1	503.8	503.8	503.9	503.9	504.0	503.9	503.9	503.8
120°	543.0	542.4	541.9	541.7	541.9	542.0	542.2	542.4	542.2	542.0	541.9
122.5°	580.0	579.8	579.6	579.1	578.4	577.7	577.0	576.4	577.0	577.7	578.4
125°	634.5	634.5	634.5	633.9	632.6	631.4	630.2	628.9	630.2	631.4	632.6
127.5°	682.9	682.9	683.0	682.6	681.8	680.9	680.0	679.1	680.0	680.9	681.8
130°	714.3	714.2	713.9	713.4	712.5	711.6	710.7	709.9	710.7	711.6	712.5
132.5°	744.3	744.7	745.0	744.7	743.7	742.7	741.6	740.6	741.6	742.7	743.7
135°	788.3	788.6	789.0	788.6	787.6	786.5	785.4	784.3	785.4	786.5	787.6
137.5°	828.0	828.3	828.6	828.3	827.4	826.4	825.5	824.6	825.5	826.4	827.4
140°	852.0	852.2	852.4	852.3	851.9	851.6	851.2	850.9	851.2	851.6	851.9
142.5°	876.2	875.9	875.7	875.4	875.2	875.0	874.8	874.6	874.8	875.0	875.2
145°	910.9	910.9	910.9	910.8	910.5	910.1	909.7	909.3	909.7	910.1	910.5
147.5°	940.0	939.8	939.6	939.5	939.6	939.7	939.8	939.8	939.8	939.7	939.6
150°	958.3	958.0	957.6	957.6	958.0	958.3	958.7	959.0	958.7	958.3	958.0
152.5°	975.0	974.6	974.3	974.5	975.3	976.0	976.8	977.6	976.8	976.0	975.3
155°	997.6	997.2	996.9	997.2	998.3	999.3	1000.4	1001.5	1000.4	999.3	998.3
157.5°	1017.1	1017.1	1017.1	1017.3	1018.0	1018.7	1019.3	1019.9	1019.3	1018.7	1018.0
160°	1028.4	1028.2	1028.0	1028.5	1029.5	1030.6	1031.7	1032.8	1031.7	1030.6	1029.5
162.5°	1038.6	1038.5	1038.2	1038.7	1039.8	1040.8	1042.0	1043.0	1042.0	1040.8	1039.8
165°	1052.4	1052.3	1052.0	1052.5	1053.6	1054.6	1055.7	1056.8	1055.7	1054.6	1053.6
167.5°	1062.5	1062.3	1062.2	1062.6	1063.7	1064.9	1066.0	1067.0	1066.0	1064.9	1063.7
170°	1067.6	1067.5	1067.3	1067.8	1069.1	1070.3	1071.6	1072.8	1071.6	1070.3	1069.1
172.5°	1071.8	1071.5	1071.2	1071.7	1072.9	1074.1	1075.4	1076.7	1075.4	1074.1	1072.9
175°	1076.4	1076.3	1076.1	1076.5	1077.6	1078.6	1079.7	1080.8	1079.7	1078.6	1077.6
177.5°	1079.3	1079.1	1079.0	1079.3	1080.1	1081.0	1081.9	1082.8	1081.9	1081.0	1080.1
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P333648-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A

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°	5.0	5.2	5.3	5.9	5.7	6.1	6.3	6.3	6.5	6.7	6.7
90°	6.5	7.8	9.1	10.3	11.6	12.8	13.7	14.6	15.5	16.4	17.1
92.5°	8.3	8.4	9.5	10.6	11.7	12.8	13.7	14.6	15.5	16.4	17.0
95°	43.6	39.8	33.1	26.4	19.6	12.8	13.7	14.6	15.5	16.4	16.8
97.5°	99.2	93.0	79.6	66.2	52.8	39.5	34.4	29.4	24.3	19.3	16.8
100°	135.9	136.6	137.3	138.0	138.7	139.4	112.9	86.3	59.8	33.3	19.6
102.5°	175.6	176.2	176.6	177.0	177.4	177.8	172.9	167.8	162.8	157.8	149.2
105°	238.4	238.8	238.8	238.8	238.8	238.8	238.8	238.8	238.8	238.8	238.7
107.5°	300.6	300.8	301.1	301.5	301.8	302.2	302.2	302.3	302.3	302.4	302.1
110°	342.9	343.1	343.4	343.8	344.1	344.5	344.0	343.4	342.9	342.4	342.2



TEST NUMBER: P333648-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	384.4	384.7	384.9	385.1	385.3	385.6	384.8	384.2	383.5	382.9	382.4
115°	445.8	446.3	446.6	446.7	446.9	447.0	446.3	445.6	444.9	444.2	443.3
117.5°	503.8	504.1	504.8	505.5	506.1	506.8	505.9	505.0	504.1	503.1	502.4
120°	541.7	541.9	542.4	543.0	543.4	544.0	543.7	543.3	543.0	542.6	541.9
122.5°	579.1	579.6	579.8	580.0	580.3	580.5	580.2	579.8	579.5	579.1	578.5
125°	633.9	634.5	634.5	634.5	634.5	634.5	633.8	633.1	632.4	631.7	631.1
127.5°	682.6	683.0	682.9	682.9	682.7	682.6	682.2	681.8	681.4	681.0	680.2
130°	713.4	713.9	714.2	714.3	714.5	714.6	714.2	713.6	713.0	712.5	711.8
132.5°	744.7	745.0	744.7	744.3	743.9	743.5	743.4	743.3	743.1	743.1	742.6
135°	788.6	789.0	788.6	788.3	787.9	787.6	787.2	786.9	786.5	786.2	785.4
137.5°	828.3	828.6	828.3	828.0	827.6	827.3	827.4	827.4	827.5	827.6	827.2
140°	852.3	852.4	852.2	852.0	851.8	851.7	852.0	852.4	852.7	853.1	852.7
142.5°	875.4	875.7	875.9	876.2	876.4	876.6	876.7	876.8	876.9	876.9	876.5
145°	910.8	910.9	910.9	910.9	910.9	910.9	911.2	911.3	911.5	911.6	911.2
147.5°	939.5	939.6	939.8	940.0	940.2	940.4	940.6	940.9	941.1	941.3	940.8
150°	957.6	957.6	958.0	958.3	958.7	959.0	959.4	959.7	960.1	960.4	959.9
152.5°	974.5	974.3	974.6	975.0	975.3	975.7	976.0	976.4	976.8	977.1	976.7
155°	997.2	996.9	997.2	997.6	997.9	998.3	998.8	999.3	999.9	1000.4	1000.0
157.5°	1017.3	1017.1	1017.1	1017.1	1017.2	1017.2	1017.8	1018.4	1018.9	1019.5	1019.1
160°	1028.5	1028.0	1028.2	1028.4	1028.6	1028.7	1029.4	1030.2	1030.9	1031.6	1031.2
162.5°	1038.7	1038.2	1038.5	1038.6	1038.8	1038.9	1040.0	1041.0	1042.0	1043.0	1042.7
165°	1052.5	1052.0	1052.3	1052.4	1052.6	1052.7	1053.8	1054.9	1056.0	1057.0	1056.9
167.5°	1062.6	1062.2	1062.3	1062.5	1062.7	1062.9	1064.1	1065.4	1066.7	1068.0	1067.9
170°	1067.8	1067.3	1067.5	1067.6	1067.8	1068.0	1069.4	1070.9	1072.3	1073.7	1073.6
172.5°	1071.7	1071.2	1071.5	1071.8	1072.1	1072.5	1073.7	1075.1	1076.3	1077.6	1077.4
175°	1076.5	1076.1	1076.3	1076.4	1076.7	1076.8	1078.2	1079.7	1081.1	1082.5	1082.4
177.5°	1079.3	1079.0	1079.1	1079.3	1079.3	1079.5	1080.5	1081.5	1082.5	1083.5	1083.5
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P333648-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A

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°	6.9	6.9	7.0	7.1	7.0	6.9	6.9	6.7	6.7	6.5	6.3
90°	17.7	18.1	18.7	19.3	18.7	18.1	17.7	17.1	16.4	15.5	14.6
92.5°	17.2	17.4	17.7	18.0	17.7	17.4	17.2	17.0	16.4	15.5	14.6
95°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.4	15.5	14.6
97.5°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	19.3	24.3	29.4
100°	18.9	18.2	17.5	16.8	17.5	18.2	18.9	19.6	33.3	59.8	86.3
102.5°	137.1	125.0	112.9	100.8	112.9	125.0	137.1	149.2	157.8	162.8	167.8
105°	238.5	238.3	238.1	238.0	238.1	238.3	238.5	238.7	238.8	238.8	238.8
107.5°	301.6	301.0	300.5	300.0	300.5	301.0	301.6	302.1	302.4	302.3	302.3
110°	342.4	342.5	342.7	342.9	342.7	342.5	342.4	342.2	342.4	342.9	343.4



TEST NUMBER: P333648-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	382.1	381.8	381.6	381.4	381.6	381.8	382.1	382.4	382.9	383.5	384.2
115°	442.3	441.2	440.1	439.0	440.1	441.2	442.3	443.3	444.2	444.9	445.6
117.5°	502.0	501.5	501.1	500.6	501.1	501.5	502.0	502.4	503.1	504.1	505.0
120°	541.1	540.2	539.3	538.4	539.3	540.2	541.1	541.9	542.6	543.0	543.3
122.5°	577.4	576.4	575.4	574.3	575.4	576.4	577.4	578.5	579.1	579.5	579.8
125°	630.6	630.0	629.5	628.9	629.5	630.0	630.6	631.1	631.7	632.4	633.1
127.5°	678.9	677.6	676.2	674.9	676.2	677.6	678.9	680.2	681.0	681.4	681.8
130°	710.9	710.0	709.2	708.3	709.2	710.0	710.9	711.8	712.5	713.0	713.6
132.5°	741.7	740.8	739.9	739.0	739.9	740.8	741.7	742.6	743.1	743.1	743.3
135°	784.3	783.3	782.2	781.2	782.2	783.3	784.3	785.4	786.2	786.5	786.9
137.5°	826.2	825.3	824.4	823.5	824.4	825.3	826.2	827.2	827.6	827.5	827.4
140°	851.7	850.6	849.5	848.4	849.5	850.6	851.7	852.7	853.1	852.7	852.4
142.5°	875.4	874.3	873.2	872.2	873.2	874.3	875.4	876.5	876.9	876.9	876.8
145°	910.1	909.1	908.0	907.0	908.0	909.1	910.1	911.2	911.6	911.5	911.3
147.5°	939.4	938.2	936.9	935.6	936.9	938.2	939.4	940.8	941.3	941.1	940.9
150°	958.5	957.0	955.6	954.2	955.6	957.0	958.5	959.9	960.4	960.1	959.7
152.5°	975.3	974.1	972.8	971.5	972.8	974.1	975.3	976.7	977.1	976.8	976.4
155°	998.5	997.1	995.7	994.3	995.7	997.1	998.5	1000.0	1000.4	999.9	999.3
157.5°	1017.6	1016.2	1014.8	1013.4	1014.8	1016.2	1017.6	1019.1	1019.5	1018.9	1018.4
160°	1029.8	1028.4	1027.0	1025.6	1027.0	1028.4	1029.8	1031.2	1031.6	1030.9	1030.2
162.5°	1041.1	1039.6	1038.0	1036.4	1038.0	1039.6	1041.1	1042.7	1043.0	1042.0	1041.0
165°	1055.4	1054.0	1052.6	1051.1	1052.6	1054.0	1055.4	1056.9	1057.0	1056.0	1054.9
167.5°	1066.2	1064.6	1063.0	1061.4	1063.0	1064.6	1066.2	1067.9	1068.0	1066.7	1065.4
170°	1072.0	1070.4	1068.8	1067.1	1068.8	1070.4	1072.0	1073.6	1073.7	1072.3	1070.9
172.5°	1075.9	1074.2	1072.6	1071.0	1072.6	1074.2	1075.9	1077.4	1077.6	1076.3	1075.1
175°	1080.8	1079.2	1077.6	1076.0	1077.6	1079.2	1080.8	1082.4	1082.5	1081.1	1079.7
177.5°	1082.3	1081.2	1080.1	1078.9	1080.1	1081.2	1082.3	1083.5	1083.5	1082.5	1081.5
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P333648-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A

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	6.1	5.7	5.9	5.3	5.2	5.0	4.8	4.8	4.8	4.8
90°	13.7	12.8	11.6	10.3	9.1	7.8	6.5	5.1	3.6	2.2	0.8
92.5°	13.7	12.8	11.7	10.6	9.5	8.4	8.3	9.3	10.4	11.3	12.4
95°	13.7	12.8	19.6	26.4	33.1	39.8	43.6	44.0	44.6	45.2	45.6
97.5°	34.4	39.5	52.8	66.2	79.6	93.0	99.2	98.2	97.3	96.3	95.4
100°	112.9	139.4	138.7	138.0	137.3	136.6	135.9	135.4	134.8	134.4	133.8
102.5°	172.9	177.8	177.4	177.0	176.6	176.2	175.6	174.9	174.3	173.6	172.9
105°	238.8	238.8	238.8	238.8	238.8	238.8	238.4	237.7	236.9	236.2	235.5
107.5°	302.2	302.2	301.8	301.5	301.1	300.8	300.6	300.6	300.6	300.6	300.6
110°	344.0	344.5	344.1	343.8	343.4	343.1	342.9	342.9	342.9	342.9	342.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	384.8	385.6	385.3	385.1	384.9	384.7	384.4	383.9	383.5	383.1	382.6
115°	446.3	447.0	446.9	446.7	446.6	446.3	445.8	444.9	444.0	443.1	442.3
117.5°	505.9	506.8	506.1	505.5	504.8	504.1	503.8	503.8	503.9	503.9	504.0
120°	543.7	544.0	543.4	543.0	542.4	541.9	541.7	541.9	542.0	542.2	542.4
122.5°	580.2	580.5	580.3	580.0	579.8	579.6	579.1	578.4	577.7	577.0	576.4
125°	633.8	634.5	634.5	634.5	634.5	634.5	633.9	632.6	631.4	630.2	628.9
127.5°	682.2	682.6	682.7	682.9	682.9	683.0	682.6	681.8	680.9	680.0	679.1
130°	714.2	714.6	714.5	714.3	714.2	713.9	713.4	712.5	711.6	710.7	709.9
132.5°	743.4	743.5	743.9	744.3	744.7	745.0	744.7	743.7	742.7	741.6	740.6
135°	787.2	787.6	787.9	788.3	788.6	789.0	788.6	787.6	786.5	785.4	784.3
137.5°	827.4	827.3	827.6	828.0	828.3	828.6	828.3	827.4	826.4	825.5	824.6
140°	852.0	851.7	851.8	852.0	852.2	852.4	852.3	851.9	851.6	851.2	850.9
142.5°	876.7	876.6	876.4	876.2	875.9	875.7	875.4	875.2	875.0	874.8	874.6
145°	911.2	910.9	910.9	910.9	910.9	910.9	910.8	910.5	910.1	909.7	909.3
147.5°	940.6	940.4	940.2	940.0	939.8	939.6	939.5	939.6	939.7	939.8	939.8
150°	959.4	959.0	958.7	958.3	958.0	957.6	957.6	958.0	958.3	958.7	959.0
152.5°	976.0	975.7	975.3	975.0	974.6	974.3	974.5	975.3	976.0	976.8	977.6
155°	998.8	998.3	997.9	997.6	997.2	996.9	997.2	998.3	999.3	1000.4	1001.5
157.5°	1017.8	1017.2	1017.2	1017.1	1017.1	1017.1	1017.3	1018.0	1018.7	1019.3	1019.9
160°	1029.4	1028.7	1028.6	1028.4	1028.2	1028.0	1028.5	1029.5	1030.6	1031.7	1032.8
162.5°	1040.0	1038.9	1038.8	1038.6	1038.5	1038.2	1038.7	1039.8	1040.8	1042.0	1043.0
165°	1053.8	1052.7	1052.6	1052.4	1052.3	1052.0	1052.5	1053.6	1054.6	1055.7	1056.8
167.5°	1064.1	1062.9	1062.7	1062.5	1062.3	1062.2	1062.6	1063.7	1064.9	1066.0	1067.0
170°	1069.4	1068.0	1067.8	1067.6	1067.5	1067.3	1067.8	1069.1	1070.3	1071.6	1072.8
172.5°	1073.7	1072.5	1072.1	1071.8	1071.5	1071.2	1071.7	1072.9	1074.1	1075.4	1076.7
175°	1078.2	1076.8	1076.7	1076.4	1076.3	1076.1	1076.5	1077.6	1078.6	1079.7	1080.8
177.5°	1080.5	1079.5	1079.3	1079.3	1079.1	1079.0	1079.3	1080.1	1081.0	1081.9	1082.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P333648-927

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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	5.5	5.5	5.6	5.8	6.0
90°	2.2	3.6	5.1	6.5	7.8	9.1	10.3	11.6	12.8	13.7	14.6
92.5°	11.3	10.4	9.3	8.3	8.4	9.5	10.6	11.7	12.8	13.7	14.6
95°	45.2	44.6	44.0	43.6	39.8	33.1	26.4	19.6	12.8	13.7	14.6
97.5°	96.3	97.3	98.2	99.2	93.0	79.6	66.2	52.8	39.5	34.4	29.4
100°	134.4	134.8	135.4	135.9	136.6	137.3	138.0	138.7	139.4	112.9	86.3
102.5°	173.6	174.3	174.9	175.6	176.2	176.6	177.0	177.4	177.8	172.9	167.8
105°	236.2	236.9	237.7	238.4	238.8	238.8	238.8	238.8	238.8	238.8	238.8
107.5°	300.6	300.6	300.6	300.6	300.8	301.1	301.5	301.8	302.2	302.2	302.3
110°	342.9	342.9	342.9	342.9	343.1	343.4	343.8	344.1	344.5	344.0	343.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	383.1	383.5	383.9	384.4	384.7	384.9	385.1	385.3	385.6	384.8	384.2
115°	443.1	444.0	444.9	445.8	446.3	446.6	446.7	446.9	447.0	446.3	445.6
117.5°	503.9	503.9	503.8	503.8	504.1	504.8	505.5	506.1	506.8	505.9	505.0
120°	542.2	542.0	541.9	541.7	541.9	542.4	543.0	543.4	544.0	543.7	543.3
122.5°	577.0	577.7	578.4	579.1	579.6	579.8	580.0	580.3	580.5	580.2	579.8
125°	630.2	631.4	632.6	633.9	634.5	634.5	634.5	634.5	634.5	633.8	633.1
127.5°	680.0	680.9	681.8	682.6	683.0	682.9	682.9	682.7	682.6	682.2	681.8
130°	710.7	711.6	712.5	713.4	713.9	714.2	714.3	714.5	714.6	714.2	713.6
132.5°	741.6	742.7	743.7	744.7	745.0	744.7	744.3	743.9	743.5	743.4	743.3
135°	785.4	786.5	787.6	788.6	789.0	788.6	788.3	787.9	787.6	787.2	786.9
137.5°	825.5	826.4	827.4	828.3	828.6	828.3	828.0	827.6	827.3	827.4	827.4
140°	851.2	851.6	851.9	852.3	852.4	852.2	852.0	851.8	851.7	852.0	852.4
142.5°	874.8	875.0	875.2	875.4	875.7	875.9	876.2	876.4	876.6	876.7	876.8
145°	909.7	910.1	910.5	910.8	910.9	910.9	910.9	910.9	910.9	911.2	911.3
147.5°	939.8	939.7	939.6	939.5	939.6	939.8	940.0	940.2	940.4	940.6	940.9
150°	958.7	958.3	958.0	957.6	957.6	958.0	958.3	958.7	959.0	959.4	959.7
152.5°	976.8	976.0	975.3	974.5	974.3	974.6	975.0	975.3	975.7	976.0	976.4
155°	1000.4	999.3	998.3	997.2	996.9	997.2	997.6	997.9	998.3	998.8	999.3
157.5°	1019.3	1018.7	1018.0	1017.3	1017.1	1017.1	1017.1	1017.2	1017.2	1017.8	1018.4
160°	1031.7	1030.6	1029.5	1028.5	1028.0	1028.2	1028.4	1028.6	1028.7	1029.4	1030.2
162.5°	1042.0	1040.8	1039.8	1038.7	1038.2	1038.5	1038.6	1038.8	1038.9	1040.0	1041.0
165°	1055.7	1054.6	1053.6	1052.5	1052.0	1052.3	1052.4	1052.6	1052.7	1053.8	1054.9
167.5°	1066.0	1064.9	1063.7	1062.6	1062.2	1062.3	1062.5	1062.7	1062.9	1064.1	1065.4
170°	1071.6	1070.3	1069.1	1067.8	1067.3	1067.5	1067.6	1067.8	1068.0	1069.4	1070.9
172.5°	1075.4	1074.1	1072.9	1071.7	1071.2	1071.5	1071.8	1072.1	1072.5	1073.7	1075.1
175°	1079.7	1078.6	1077.6	1076.5	1076.1	1076.3	1076.4	1076.7	1076.8	1078.2	1079.7
177.5°	1081.9	1081.0	1080.1	1079.3	1079.0	1079.1	1079.3	1079.3	1079.5	1080.5	1081.5
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



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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	6.7	6.5	6.4	6.6	6.8	7.1
90°	15.5	16.4	17.1	17.7	18.1	18.7	19.3
92.5°	15.5	16.4	17.0	17.2	17.4	17.7	18.0
95°	15.5	16.4	16.8	16.8	16.8	16.8	16.8
97.5°	24.3	19.3	16.8	16.8	16.8	16.8	16.8
100°	59.8	33.3	19.6	18.9	18.2	17.5	16.8
102.5°	162.8	157.8	149.2	137.1	125.0	112.9	100.8
105°	238.8	238.8	238.7	238.5	238.3	238.1	238.0
107.5°	302.3	302.4	302.1	301.6	301.0	300.5	300.0
110°	342.9	342.4	342.2	342.4	342.5	342.7	342.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	383.5	382.9	382.4	382.1	381.8	381.6	381.4
115°	444.9	444.2	443.3	442.3	441.2	440.1	439.0
117.5°	504.1	503.1	502.4	502.0	501.5	501.1	500.6
120°	543.0	542.6	541.9	541.1	540.2	539.3	538.4
122.5°	579.5	579.1	578.5	577.4	576.4	575.4	574.3
125°	632.4	631.7	631.1	630.6	630.0	629.5	628.9
127.5°	681.4	681.0	680.2	678.9	677.6	676.2	674.9
130°	713.0	712.5	711.8	710.9	710.0	709.2	708.3
132.5°	743.1	743.1	742.6	741.7	740.8	739.9	739.0
135°	786.5	786.2	785.4	784.3	783.3	782.2	781.2
137.5°	827.5	827.6	827.2	826.2	825.3	824.4	823.5
140°	852.7	853.1	852.7	851.7	850.6	849.5	848.4
142.5°	876.9	876.9	876.5	875.4	874.3	873.2	872.2
145°	911.5	911.6	911.2	910.1	909.1	908.0	907.0
147.5°	941.1	941.3	940.8	939.4	938.2	936.9	935.6
150°	960.1	960.4	959.9	958.5	957.0	955.6	954.2
152.5°	976.8	977.1	976.7	975.3	974.1	972.8	971.5
155°	999.9	1000.4	1000.0	998.5	997.1	995.7	994.3
157.5°	1018.9	1019.5	1019.1	1017.6	1016.2	1014.8	1013.4
160°	1030.9	1031.6	1031.2	1029.8	1028.4	1027.0	1025.6
162.5°	1042.0	1043.0	1042.7	1041.1	1039.6	1038.0	1036.4
165°	1056.0	1057.0	1056.9	1055.4	1054.0	1052.6	1051.1
167.5°	1066.7	1068.0	1067.9	1066.2	1064.6	1063.0	1061.4
170°	1072.3	1073.7	1073.6	1072.0	1070.4	1068.8	1067.1
172.5°	1076.3	1077.6	1077.4	1075.9	1074.2	1072.6	1071.0
175°	1081.1	1082.5	1082.4	1080.8	1079.2	1077.6	1076.0
177.5°	1082.5	1083.5	1083.5	1082.3	1081.2	1080.1	1078.9
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8

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