

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: P333515-930

Luminaire Tested: **S125RDIP-S375D1205U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333515-930  
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-S375D1205U930-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4588.8 lumens  
Efficiency: N/A  
Efficacy: 108.7 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

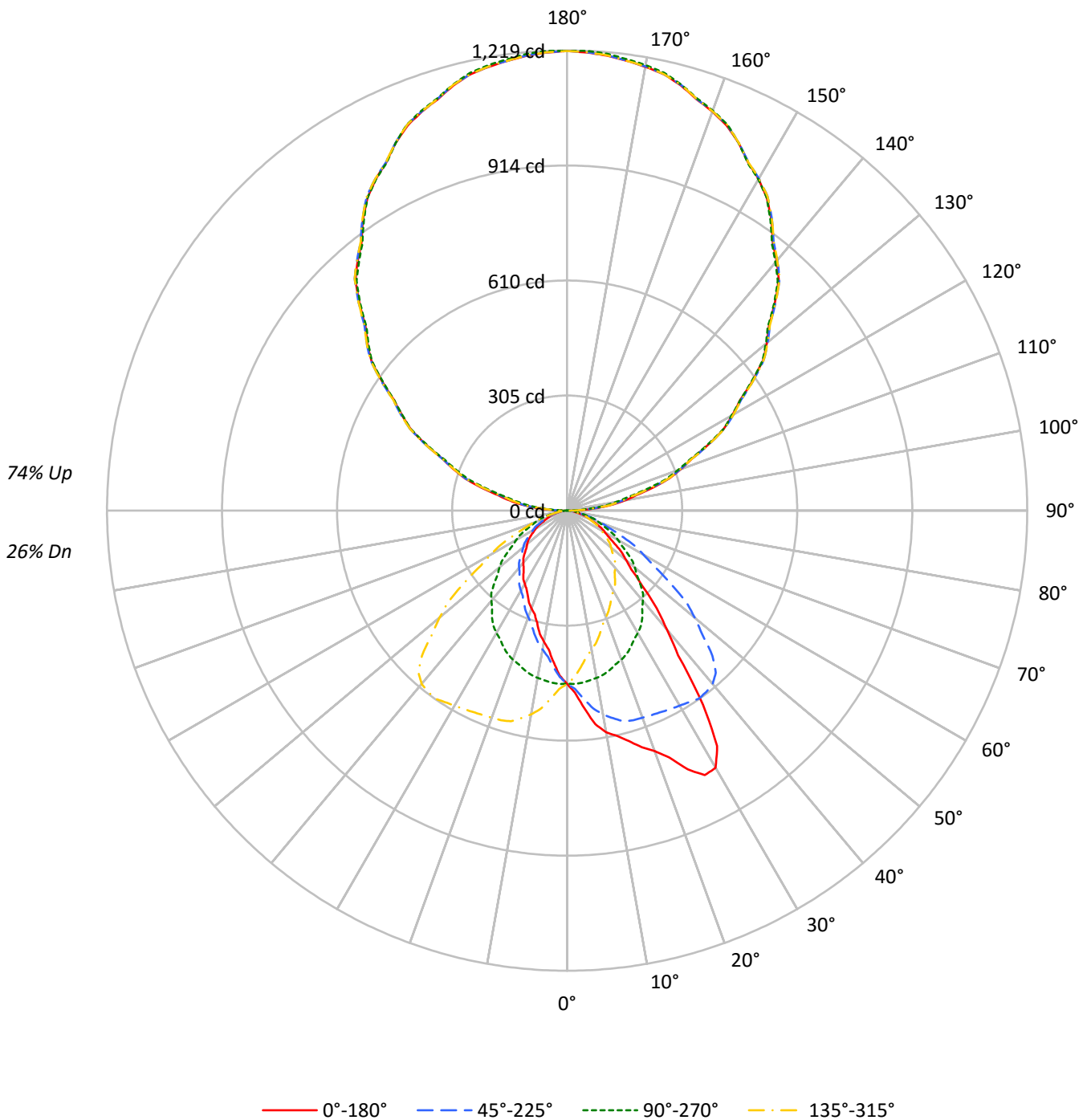
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	23	21	16				
4	71	60	53	47	63	54	48	43	42	38	35	32	29	26	22	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°	2964	2964	2964	2964
5°	3409	2968	2621	2968
10°	3912	2952	2313	2952
15°	4225	2923	2055	2923
20°	4658	2887	1898	2887
25°	5392	2840	1762	2840
30°	5867	2791	1672	2791
35°	4949	2734	1589	2734
40°	3456	2632	1518	2632
45°	2564	2493	1449	2493
50°	2045	2349	1390	2349
55°	1735	2170	1337	2170
60°	1498	2010	1252	2010
65°	1336	1837	1076	1837
70°	1175	1682	982	1682
75°	1016	1457	921	1457
80°	770	1224	770	1224
85°	637	963	726	963



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.0	1.0
10°-20°	129.0	2.8
20°-30°	204.5	4.5
30°-40°	246.6	5.4
40°-50°	220.2	4.8
50°-60°	168.9	3.7
60°-70°	109.7	2.4
70°-80°	53.3	1.2
80°-90°	15.4	0.3
90°-100°	81.5	1.8
100°-110°	240.8	5.2
110°-120°	407.8	8.9
120°-130°	536.7	11.7
130°-140°	601.4	13.1
140°-150°	589.4	12.8
150°-160°	495.1	10.8
160°-170°	329.1	7.2
170°-180°	115.2	2.5
0°-30°	377.5	8.2
0°-40°	624.0	13.6
0°-60°	1013.1	22.1
0°-90°	1191.6	26.0
90°-120°	730.2	15.9
90°-150°	2457.8	53.6
90°-180°	3397.0	74.0
0°-180°	4588.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	459	459	459	459	459	
5°	526	458	404	458	526	53
15°	632	437	307	437	632	181
25°	757	399	247	399	757	347
35°	628	347	202	347	628	379
45°	281	273	159	273	281	224
55°	154	193	119	193	154	140
65°	87	120	70	120	87	87
75°	41	58	37	58	41	43
85°	9	13	10	13	9	11
90°	23	1	23	1	23	13
95°	81	62	81	62	81	83
105°	235	216	235	216	235	249
115°	412	408	412	408	412	408
125°	600	596	600	596	600	535
135°	778	775	778	775	778	600
145°	943	939	943	939	943	588
155°	1074	1074	1074	1074	1074	494
165°	1165	1168	1165	1168	1165	328
175°	1210	1215	1210	1215	1210	115
180°	1217	1217	1217	1217	1217	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	482.7	482.4	483.1	481.4	481.5	479.0	479.0	477.0	474.4	472.5	471.6
5°	525.9	526.4	525.6	522.8	520.9	518.0	514.9	509.2	504.5	499.9	496.4
7.5°	570.5	570.8	568.3	567.4	562.6	559.2	552.1	544.4	537.6	528.9	522.3
10°	596.5	596.2	593.6	591.5	587.4	582.1	575.1	566.1	557.7	548.2	539.2
12.5°	611.5	611.0	610.2	607.6	603.8	599.2	593.2	584.3	573.9	563.6	553.0
15°	631.9	630.6	628.1	624.8	619.4	613.9	607.4	599.5	589.5	577.8	568.0
17.5°	657.0	657.0	653.3	648.8	641.4	631.8	621.6	608.9	595.3	582.4	572.0
20°	677.8	677.3	673.5	664.8	656.3	644.2	632.6	616.9	600.4	583.6	570.6
22.5°	707.7	706.2	702.3	690.9	677.8	662.2	644.3	625.3	605.2	586.2	569.1
25°	756.6	755.5	747.7	734.5	716.1	692.1	668.8	642.6	613.8	588.7	568.0
27.5°	790.0	788.8	783.0	772.1	755.0	729.9	698.3	663.2	627.3	592.8	563.0
30°	786.7	789.5	788.8	783.7	770.9	748.3	719.1	679.7	636.9	596.5	560.8
32.5°	739.4	741.9	748.5	758.6	759.3	750.2	728.4	692.0	647.8	601.7	559.1
35°	627.7	631.1	643.9	664.1	690.5	712.5	717.0	697.4	657.6	608.1	556.7
37.5°	482.6	501.1	511.9	533.1	573.0	613.5	652.5	666.8	650.0	605.4	552.7
40°	409.9	414.4	433.7	457.6	491.1	533.3	588.9	629.0	630.3	599.5	546.3
42.5°	350.8	356.6	369.7	388.9	417.6	459.7	517.1	570.1	594.6	582.9	538.0
45°	280.7	285.0	294.6	309.3	331.3	366.2	415.6	476.8	525.4	544.5	515.8
47.5°	230.6	232.9	241.2	252.5	268.8	294.2	332.4	385.6	443.8	484.7	480.7
50°	203.5	206.1	212.5	220.9	234.7	256.2	286.7	331.0	391.1	441.0	451.0
52.5°	182.4	184.6	188.6	196.6	207.9	224.4	249.1	289.1	343.2	396.2	419.4
55°	154.1	155.6	158.8	163.3	172.4	184.3	205.5	233.3	277.0	330.4	364.4
57.5°	130.9	131.6	133.6	137.8	144.1	152.7	168.1	191.5	222.9	271.1	308.5
60°	116.0	116.8	119.4	122.3	127.2	135.1	147.2	163.5	193.6	233.4	271.3
62.5°	104.3	104.8	105.9	108.7	113.0	119.1	128.6	141.9	165.9	200.9	236.6
65°	87.4	87.6	88.0	90.3	92.9	97.4	103.6	113.0	131.1	157.5	189.1
67.5°	71.2	71.5	72.8	73.6	76.3	78.7	82.3	89.5	102.3	120.1	144.7
70°	62.2	62.0	63.3	64.2	65.1	68.0	70.4	76.3	84.2	97.8	118.3
72.5°	53.7	53.2	53.8	54.1	55.4	57.3	59.8	63.3	69.5	78.8	94.5
75°	40.7	40.8	40.8	41.3	42.2	43.0	43.7	45.6	49.0	55.2	63.7
77.5°	28.5	28.3	29.0	29.2	29.8	30.6	31.2	32.0	33.3	35.9	40.3
80°	20.7	20.7	20.9	21.4	21.3	21.7	22.6	23.4	25.0	26.6	28.0
82.5°	15.9	15.7	15.9	16.1	16.0	16.4	16.7	16.9	17.5	18.3	19.3
85°	8.6	8.6	8.9	8.9	9.0	9.0	9.2	9.2	9.2	9.5	9.6
87.5°	7.8	7.6	7.3	7.2	7.2	7.3	7.0	6.6	6.4	6.2	6.0
90°	22.7	22.1	21.4	20.9	20.2	19.4	18.3	17.3	16.2	15.2	13.7
92.5°	44.7	44.3	43.8	43.3	42.9	41.9	40.5	39.1	37.7	36.4	34.6
95°	81.4	81.0	80.6	80.2	79.8	78.8	77.4	75.9	74.4	73.0	70.8
97.5°	123.5	123.3	123.0	122.8	122.5	121.7	120.3	119.0	117.6	116.2	113.2
100°	155.4	155.0	154.5	154.1	153.7	152.5	150.7	148.7	146.8	145.0	142.2
102.5°	187.2	186.6	186.1	185.5	184.8	183.5	181.5	179.4	177.3	175.3	173.9
105°	235.0	234.3	233.7	233.1	232.4	231.5	230.2	228.9	227.7	226.4	225.2
107.5°	283.8	283.9	284.0	284.0	284.1	283.7	283.1	282.4	281.8	281.2	280.2
110°	320.2	320.4	320.7	320.8	321.1	320.8	320.2	319.6	318.9	318.3	317.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	355.9	356.2	356.6	357.0	357.3	357.4	357.1	356.9	356.5	356.2	355.4
115°	412.1	412.3	412.5	412.8	412.9	413.2	413.4	413.6	413.8	414.0	413.6
117.5°	467.1	467.9	468.8	469.6	470.4	470.8	470.6	470.4	470.3	470.1	469.7
120°	505.0	505.8	506.6	507.5	508.3	508.7	508.7	508.7	508.7	508.7	508.6
122.5°	542.9	543.6	544.2	544.9	545.6	546.0	546.2	546.3	546.5	546.7	546.1
125°	599.7	599.9	600.1	600.4	600.5	600.9	601.3	601.7	602.1	602.6	602.3
127.5°	654.3	654.7	655.1	655.6	656.0	656.3	656.5	656.7	656.9	657.1	656.9
130°	690.6	691.0	691.5	691.9	692.4	692.7	692.8	693.1	693.3	693.5	693.1
132.5°	724.8	725.4	725.9	726.5	727.2	727.5	727.7	728.0	728.1	728.4	728.5
135°	777.8	778.7	779.5	780.3	781.2	781.6	781.6	781.6	781.6	781.6	781.4
137.5°	829.7	830.8	831.8	832.9	834.0	834.4	834.1	833.9	833.6	833.3	832.9
140°	863.1	864.1	865.2	866.3	867.3	867.6	867.2	866.7	866.3	865.9	865.3
142.5°	895.0	896.0	897.1	898.1	899.1	899.5	899.3	899.0	898.8	898.5	897.7
145°	942.6	943.3	944.0	944.6	945.2	945.5	945.5	945.5	945.5	945.5	944.9
147.5°	983.4	984.9	986.3	987.7	989.1	989.6	989.1	988.6	988.1	987.6	987.1
150°	1013.7	1014.2	1014.6	1015.0	1015.5	1015.6	1015.6	1015.6	1015.6	1015.6	1014.8
152.5°	1038.8	1039.5	1040.2	1041.1	1041.8	1041.9	1041.4	1040.9	1040.4	1039.9	1039.6
155°	1074.4	1075.5	1076.4	1077.5	1078.6	1078.7	1077.8	1077.0	1076.2	1075.3	1075.1
157.5°	1104.2	1105.5	1106.9	1108.3	1109.7	1109.9	1109.1	1108.2	1107.4	1106.6	1106.4
160°	1124.6	1125.6	1126.7	1127.7	1128.8	1128.9	1128.0	1127.2	1126.3	1125.5	1125.4
162.5°	1142.0	1143.2	1144.4	1145.7	1146.9	1147.0	1146.0	1145.0	1143.9	1143.0	1142.9
165°	1165.3	1166.6	1167.8	1169.1	1170.4	1170.6	1169.7	1168.9	1168.1	1167.2	1167.0
167.5°	1183.9	1185.2	1186.5	1187.8	1189.1	1189.1	1187.9	1186.6	1185.4	1184.1	1184.1
170°	1193.8	1195.2	1196.7	1198.2	1199.6	1199.7	1198.5	1197.2	1196.0	1194.7	1194.7
172.5°	1202.1	1203.4	1204.7	1206.0	1207.3	1207.3	1206.1	1204.8	1203.5	1202.2	1202.2
175°	1209.8	1211.3	1212.8	1214.3	1215.8	1215.9	1214.6	1213.3	1212.0	1210.8	1210.8
177.5°	1214.4	1215.6	1216.8	1218.0	1219.1	1219.2	1218.2	1217.2	1216.2	1215.1	1215.3
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	471.6	470.5	468.6	466.8	464.5	462.5	461.1	459.5	457.4	454.9	452.7
5°	492.4	488.3	482.8	478.1	472.1	467.4	462.5	457.8	453.1	447.0	441.7
7.5°	515.6	507.0	498.7	488.2	478.7	470.3	462.1	453.9	445.8	437.2	429.0
10°	529.8	519.3	507.9	494.7	482.7	471.2	460.6	450.2	439.3	429.7	419.4
12.5°	543.0	529.6	516.5	499.9	485.3	471.3	457.9	445.0	433.3	420.9	409.7
15°	555.0	541.8	527.1	506.8	486.6	469.6	453.8	437.1	422.6	408.6	396.2
17.5°	559.6	545.8	528.7	509.2	487.1	465.8	445.4	427.1	409.9	393.7	379.8
20°	557.8	544.5	526.9	508.3	484.7	462.5	440.4	420.1	401.0	383.9	369.1
22.5°	553.4	539.6	522.7	503.0	480.6	457.1	433.5	411.8	391.9	374.1	357.9
25°	546.9	528.1	510.7	491.5	470.2	446.9	422.6	398.6	377.3	359.2	341.5
27.5°	540.1	516.6	494.5	475.4	452.9	432.1	408.6	384.1	361.7	343.3	325.1
30°	533.9	507.5	483.2	461.5	440.3	420.4	398.3	374.3	351.3	332.3	313.9
32.5°	526.2	498.1	471.5	446.5	425.9	406.3	386.2	363.3	341.0	321.3	302.6
35°	516.6	480.8	451.8	425.2	402.4	383.4	365.3	346.8	324.4	304.0	285.8
37.5°	503.9	463.3	429.7	400.8	376.7	357.7	343.3	326.4	306.0	286.6	269.6
40°	496.2	450.6	413.9	385.2	360.0	339.8	326.4	312.2	293.5	275.2	258.3
42.5°	486.0	439.0	397.9	368.1	342.7	323.3	309.7	297.3	281.6	264.4	246.2
45°	465.9	416.5	373.4	341.4	315.8	296.7	284.1	273.0	261.1	245.2	229.4
47.5°	439.8	393.1	347.9	312.9	287.9	270.2	258.0	249.2	240.7	227.2	211.9
50°	418.8	373.7	329.7	295.8	269.0	252.3	240.8	233.8	226.1	213.9	201.0
52.5°	394.0	353.8	310.7	276.1	250.8	235.1	224.0	217.0	210.7	200.7	188.5
55°	355.1	319.8	280.3	248.8	225.7	209.9	199.3	192.7	189.0	180.5	170.9
57.5°	310.1	284.9	250.1	219.7	199.2	183.6	175.9	170.2	166.0	160.0	153.2
60°	278.8	261.1	229.8	201.0	182.1	167.3	160.3	155.6	151.6	146.6	141.3
62.5°	247.0	234.2	206.9	182.1	164.9	152.4	145.9	141.6	137.1	133.6	128.5
65°	204.4	192.9	174.1	154.7	138.7	128.7	123.9	120.2	117.4	113.6	110.0
67.5°	159.0	154.3	141.3	127.9	116.4	107.5	103.5	100.9	97.5	95.2	92.8
70°	131.1	128.8	119.6	110.8	100.0	94.0	90.3	89.1	85.0	82.7	81.0
72.5°	106.4	105.3	100.0	93.9	86.3	81.0	77.6	76.3	73.6	71.8	70.8
75°	72.9	73.3	72.3	68.4	65.6	62.2	59.2	58.4	56.5	55.0	54.1
77.5°	46.1	48.0	48.1	47.9	46.8	44.8	43.5	42.9	41.1	40.5	40.3
80°	31.6	33.8	35.6	35.4	35.1	34.5	33.5	32.9	32.0	31.5	31.1
82.5°	21.1	23.0	24.6	25.6	25.5	24.9	24.4	24.1	23.9	23.5	23.4
85°	9.9	10.4	10.9	12.2	13.2	13.4	13.2	13.0	12.5	12.6	12.8
87.5°	5.9	5.6	5.5	5.1	4.6	5.1	5.2	5.0	5.1	5.1	5.1
90°	12.2	10.8	9.3	7.7	6.0	4.3	2.6	1.0	2.6	4.3	6.0
92.5°	32.8	31.0	29.1	27.6	26.5	25.3	24.1	22.9	24.1	25.3	26.5
95°	68.7	66.6	64.5	63.3	62.9	62.5	62.0	61.6	62.0	62.5	62.9
97.5°	110.3	107.5	104.5	103.0	102.8	102.6	102.5	102.3	102.5	102.6	102.8
100°	139.5	136.7	134.0	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6
102.5°	172.5	171.1	169.7	168.6	167.8	166.9	166.1	165.3	166.1	166.9	167.8
105°	223.9	222.7	221.4	220.2	219.2	218.1	217.0	216.0	217.0	218.1	219.2
107.5°	279.2	278.3	277.3	276.3	275.2	274.2	273.1	272.1	273.1	274.2	275.2
110°	317.1	316.4	315.8	315.0	313.9	312.8	311.8	310.8	311.8	312.8	313.9





TEST NUMBER: P333515-930

CATALOG NUMBER: S125RDIP-S375D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	354.7	353.8	353.0	352.4	351.8	351.2	350.7	350.2	350.7	351.2	351.8
115°	413.2	412.8	412.3	411.7	410.8	410.0	409.2	408.3	409.2	410.0	410.8
117.5°	469.4	469.0	468.6	468.2	467.8	467.5	467.1	466.7	467.1	467.5	467.8
120°	508.3	508.1	507.9	507.3	506.2	505.2	504.1	503.0	504.1	505.2	506.2
122.5°	545.6	545.0	544.5	544.0	543.6	543.2	542.9	542.5	542.9	543.2	543.6
125°	602.1	601.9	601.7	601.0	599.7	598.4	597.2	595.9	597.2	598.4	599.7
127.5°	656.6	656.4	656.2	655.7	654.9	654.2	653.5	652.8	653.5	654.2	654.9
130°	692.7	692.3	691.9	691.0	690.1	689.0	687.9	686.9	687.9	689.0	690.1
132.5°	728.6	728.6	728.7	727.9	726.2	724.5	722.7	721.0	722.7	724.5	726.2
135°	781.2	781.0	780.8	780.1	778.8	777.6	776.2	775.0	776.2	777.6	778.8
137.5°	832.4	831.9	831.5	830.6	829.4	828.2	827.0	825.7	827.0	828.2	829.4
140°	864.7	864.1	863.4	862.6	861.5	860.5	859.4	858.3	859.4	860.5	861.5
142.5°	896.9	896.1	895.4	894.5	893.6	892.8	891.9	891.0	891.9	892.8	893.6
145°	944.3	943.6	943.0	942.2	941.4	940.6	939.7	938.9	939.7	940.6	941.4
147.5°	986.6	986.1	985.5	985.0	984.6	984.1	983.7	983.3	983.7	984.1	984.6
150°	1013.9	1013.1	1012.3	1011.9	1012.2	1012.4	1012.6	1012.8	1012.6	1012.4	1012.2
152.5°	1039.2	1038.9	1038.5	1038.2	1038.0	1037.6	1037.3	1037.1	1037.3	1037.6	1038.0
155°	1074.9	1074.7	1074.5	1074.4	1074.4	1074.4	1074.4	1074.4	1074.4	1074.4	1074.4
157.5°	1106.2	1106.0	1105.7	1105.9	1106.4	1106.8	1107.3	1107.7	1107.3	1106.8	1106.4
160°	1125.1	1124.9	1124.7	1124.9	1125.5	1126.2	1126.8	1127.4	1126.8	1126.2	1125.5
162.5°	1142.9	1142.8	1142.8	1143.0	1143.5	1143.9	1144.4	1144.8	1144.4	1143.9	1143.5
165°	1166.8	1166.6	1166.4	1166.4	1166.9	1167.3	1167.8	1168.2	1167.8	1167.3	1166.9
167.5°	1184.1	1184.1	1184.1	1184.5	1185.4	1186.2	1187.0	1187.9	1187.0	1186.2	1185.4
170°	1194.7	1194.7	1194.7	1195.1	1196.0	1196.8	1197.7	1198.5	1197.7	1196.8	1196.0
172.5°	1202.2	1202.2	1202.2	1202.7	1203.5	1204.4	1205.3	1206.1	1205.3	1204.4	1203.5
175°	1210.8	1210.8	1210.8	1211.2	1212.0	1212.9	1213.7	1214.6	1213.7	1212.9	1212.0
177.5°	1215.5	1215.7	1215.9	1216.3	1216.9	1217.6	1218.3	1219.0	1218.3	1217.6	1216.9
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4



TEST NUMBER: P333515-930

CATALOG NUMBER: S125RDIP-S375D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	451.2	449.1	447.6	444.6	442.5	441.6	439.9	439.4	441.2	439.9	439.8
5°	437.8	432.4	428.0	423.7	419.0	416.0	411.4	410.7	409.5	407.9	407.5
7.5°	421.8	414.6	409.0	401.9	395.7	390.6	385.0	382.3	380.8	378.6	375.7
10°	410.9	402.4	394.8	387.7	380.0	373.7	368.1	363.8	360.9	358.3	357.2
12.5°	400.1	391.5	381.9	373.2	364.6	357.7	351.4	348.5	345.4	342.3	339.7
15°	383.5	372.1	361.5	351.6	344.2	336.6	330.6	326.4	321.8	320.4	315.4
17.5°	365.9	354.7	342.3	331.8	323.3	315.0	308.3	303.6	300.1	295.2	292.9
20°	354.9	341.5	329.5	319.8	310.5	300.7	293.9	289.9	286.6	282.6	280.7
22.5°	343.2	330.1	317.7	306.5	296.9	287.2	282.4	278.3	274.5	270.8	268.3
25°	325.9	312.7	299.7	288.0	278.1	271.1	265.5	260.7	258.7	255.1	252.4
27.5°	308.8	294.8	281.4	269.7	261.9	254.9	250.3	246.6	242.9	239.8	237.4
30°	297.8	283.6	268.8	259.6	251.3	244.8	239.6	236.0	233.3	230.4	228.7
32.5°	286.8	272.1	259.0	249.1	241.2	235.5	230.3	226.8	223.9	220.8	218.7
35°	269.2	254.1	243.6	233.8	226.1	220.8	217.2	212.3	209.9	207.6	205.5
37.5°	252.8	238.8	227.4	218.8	212.1	206.8	202.2	199.6	196.6	194.5	192.8
40°	240.8	228.0	217.6	208.6	203.7	197.8	193.5	190.0	187.8	185.2	183.3
42.5°	229.9	218.0	207.9	199.8	193.7	188.7	184.6	181.2	178.3	176.4	174.9
45°	214.6	202.7	192.9	185.4	179.7	175.0	170.6	169.0	165.2	163.0	162.2
47.5°	198.7	188.1	178.6	171.7	165.9	161.4	157.4	153.9	151.8	149.6	148.4
50°	188.0	177.8	169.0	162.2	156.5	151.6	147.9	145.6	142.8	140.7	139.3
52.5°	177.3	167.9	159.1	152.5	147.7	142.8	138.5	136.3	133.6	132.3	131.3
55°	162.0	152.1	144.5	138.1	133.0	128.5	124.5	122.3	120.6	119.3	118.9
57.5°	144.7	136.8	129.8	124.0	118.7	114.5	111.0	108.8	107.4	107.1	106.0
60°	133.4	126.2	119.8	113.6	109.1	105.1	102.1	99.6	98.2	98.0	97.6
62.5°	122.1	115.2	109.3	103.8	99.7	96.0	93.0	90.3	89.4	88.5	87.6
65°	105.3	99.1	94.2	89.8	85.5	82.3	79.5	77.8	75.7	74.6	72.6
67.5°	88.9	84.1	79.3	75.7	72.2	69.2	66.9	64.3	62.9	62.0	60.6
70°	78.0	74.2	69.5	65.6	62.9	60.5	58.6	55.8	54.8	54.1	53.3
72.5°	67.8	64.4	60.5	57.2	54.6	52.3	50.1	48.8	47.9	47.1	46.7
75°	53.3	50.1	46.7	44.4	42.6	40.7	39.5	38.6	38.2	38.1	37.3
77.5°	39.1	37.4	34.7	32.9	31.7	30.9	29.9	29.4	29.4	28.5	28.3
80°	29.9	29.0	26.7	26.0	25.0	24.3	23.7	22.8	21.9	21.4	20.9
82.5°	22.3	21.4	20.4	19.2	18.4	17.9	17.4	17.0	17.2	16.6	16.4
85°	11.9	10.9	10.5	10.4	9.9	10.4	10.2	9.9	9.8	9.6	9.8
87.5°	5.3	5.6	5.8	6.4	6.2	6.7	6.8	6.9	7.1	7.3	7.3
90°	7.7	9.3	10.8	12.2	13.7	15.2	16.2	17.3	18.3	19.4	20.2
92.5°	27.6	29.1	31.0	32.8	34.6	36.4	37.7	39.1	40.5	41.9	42.9
95°	63.3	64.5	66.6	68.7	70.8	73.0	74.4	75.9	77.4	78.8	79.8
97.5°	103.0	104.5	107.5	110.3	113.2	116.2	117.6	119.0	120.3	121.7	122.5
100°	132.6	134.0	136.7	139.5	142.2	145.0	146.8	148.7	150.7	152.5	153.7
102.5°	168.6	169.7	171.1	172.5	173.9	175.3	177.3	179.4	181.5	183.5	184.8
105°	220.2	221.4	222.7	223.9	225.2	226.4	227.7	228.9	230.2	231.5	232.4
107.5°	276.3	277.3	278.3	279.2	280.2	281.2	281.8	282.4	283.1	283.7	284.1
110°	315.0	315.8	316.4	317.1	317.7	318.3	318.9	319.6	320.2	320.8	321.1



TEST NUMBER: P333515-930

CATALOG NUMBER: S125RDIP-S375D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	352.4	353.0	353.8	354.7	355.4	356.2	356.5	356.9	357.1	357.4	357.3
115°	411.7	412.3	412.8	413.2	413.6	414.0	413.8	413.6	413.4	413.2	412.9
117.5°	468.2	468.6	469.0	469.4	469.7	470.1	470.3	470.4	470.6	470.8	470.4
120°	507.3	507.9	508.1	508.3	508.6	508.7	508.7	508.7	508.7	508.7	508.3
122.5°	544.0	544.5	545.0	545.6	546.1	546.7	546.5	546.3	546.2	546.0	545.6
125°	601.0	601.7	601.9	602.1	602.3	602.6	602.1	601.7	601.3	600.9	600.5
127.5°	655.7	656.2	656.4	656.6	656.9	657.1	656.9	656.7	656.5	656.3	656.0
130°	691.0	691.9	692.3	692.7	693.1	693.5	693.3	693.1	692.8	692.7	692.4
132.5°	727.9	728.7	728.6	728.6	728.5	728.4	728.1	728.0	727.7	727.5	727.2
135°	780.1	780.8	781.0	781.2	781.4	781.6	781.6	781.6	781.6	781.6	781.2
137.5°	830.6	831.5	831.9	832.4	832.9	833.3	833.6	833.9	834.1	834.4	834.0
140°	862.6	863.4	864.1	864.7	865.3	865.9	866.3	866.7	867.2	867.6	867.3
142.5°	894.5	895.4	896.1	896.9	897.7	898.5	898.8	899.0	899.3	899.5	899.1
145°	942.2	943.0	943.6	944.3	944.9	945.5	945.5	945.5	945.5	945.5	945.2
147.5°	985.0	985.5	986.1	986.6	987.1	987.6	988.1	988.6	989.1	989.6	989.1
150°	1011.9	1012.3	1013.1	1013.9	1014.8	1015.6	1015.6	1015.6	1015.6	1015.6	1015.5
152.5°	1038.2	1038.5	1038.9	1039.2	1039.6	1039.9	1040.4	1040.9	1041.4	1041.9	1041.8
155°	1074.4	1074.5	1074.7	1074.9	1075.1	1075.3	1076.2	1077.0	1077.8	1078.7	1078.6
157.5°	1105.9	1105.7	1106.0	1106.2	1106.4	1106.6	1107.4	1108.2	1109.1	1109.9	1109.7
160°	1124.9	1124.7	1124.9	1125.1	1125.4	1125.5	1126.3	1127.2	1128.0	1128.9	1128.8
162.5°	1143.0	1142.8	1142.8	1142.9	1142.9	1143.0	1143.9	1145.0	1146.0	1147.0	1146.9
165°	1166.4	1166.4	1166.6	1166.8	1167.0	1167.2	1168.1	1168.9	1169.7	1170.6	1170.4
167.5°	1184.5	1184.1	1184.1	1184.1	1184.1	1184.1	1185.4	1186.6	1187.9	1189.1	1189.1
170°	1195.1	1194.7	1194.7	1194.7	1194.7	1194.7	1196.0	1197.2	1198.5	1199.7	1199.6
172.5°	1202.7	1202.2	1202.2	1202.2	1202.2	1202.2	1203.5	1204.8	1206.1	1207.3	1207.3
175°	1211.2	1210.8	1210.8	1210.8	1210.8	1210.8	1212.0	1213.3	1214.6	1215.9	1215.8
177.5°	1216.3	1215.9	1215.7	1215.5	1215.3	1215.1	1216.2	1217.2	1218.2	1219.2	1219.1
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4



TEST NUMBER: P333515-930

CATALOG NUMBER: S125RDIP-S375D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	439.6	438.0	437.5	438.1	437.5	438.0	439.6	439.8	439.9	441.2	439.4
5°	405.6	403.7	404.6	404.3	404.6	403.7	405.6	407.5	407.9	409.5	410.7
7.5°	375.7	373.3	370.9	371.6	370.9	373.3	375.7	375.7	378.6	380.8	382.3
10°	354.7	352.9	351.7	352.7	351.7	352.9	354.7	357.2	358.3	360.9	363.8
12.5°	337.1	336.0	335.0	334.6	335.0	336.0	337.1	339.7	342.3	345.4	348.5
15°	313.1	310.9	309.9	307.4	309.9	310.9	313.1	315.4	320.4	321.8	326.4
17.5°	291.0	290.2	287.8	286.7	287.8	290.2	291.0	292.9	295.2	300.1	303.6
20°	277.9	277.1	274.7	276.1	274.7	277.1	277.9	280.7	282.6	286.6	289.9
22.5°	267.0	265.4	264.6	264.2	264.6	265.4	267.0	268.3	270.8	274.5	278.3
25°	251.7	249.2	248.3	247.2	248.3	249.2	251.7	252.4	255.1	258.7	260.7
27.5°	236.4	235.1	233.8	233.5	233.8	235.1	236.4	237.4	239.8	242.9	246.6
30°	226.4	225.1	224.2	224.2	224.2	225.1	226.4	228.7	230.4	233.3	236.0
32.5°	217.5	216.5	215.6	215.4	215.6	216.5	217.5	218.7	220.8	223.9	226.8
35°	204.6	203.1	202.7	201.5	202.7	203.1	204.6	205.5	207.6	209.9	212.3
37.5°	191.1	189.9	189.9	189.7	189.9	189.9	191.1	192.8	194.5	196.6	199.6
40°	182.5	181.6	181.4	180.1	181.4	181.6	182.5	183.3	185.2	187.8	190.0
42.5°	173.3	172.8	172.2	171.6	172.2	172.8	173.3	174.9	176.4	178.3	181.2
45°	160.9	159.6	159.6	158.7	159.6	159.6	160.9	162.2	163.0	165.2	169.0
47.5°	148.0	147.0	147.1	146.1	147.1	147.0	148.0	148.4	149.6	151.8	153.9
50°	139.4	138.8	138.7	138.3	138.7	138.8	139.4	139.3	140.7	142.8	145.6
52.5°	130.9	130.5	131.3	130.4	131.3	130.5	130.9	131.3	132.3	133.6	136.3
55°	119.3	118.7	119.8	118.7	119.8	118.7	119.3	118.9	119.3	120.6	122.3
57.5°	106.0	105.4	106.5	105.9	106.5	105.4	106.0	106.0	107.1	107.4	108.8
60°	97.2	96.0	96.6	96.9	96.6	96.0	97.2	97.6	98.0	98.2	99.6
62.5°	86.8	86.1	86.6	85.7	86.6	86.1	86.8	87.6	88.5	89.4	90.3
65°	72.2	71.6	70.8	70.4	70.8	71.6	72.2	72.6	74.6	75.7	77.8
67.5°	60.7	59.3	59.2	59.5	59.2	59.3	60.7	60.6	62.0	62.9	64.3
70°	52.2	52.2	52.0	52.0	52.0	52.2	52.2	53.3	54.1	54.8	55.8
72.5°	46.3	46.1	45.8	45.7	45.8	46.1	46.3	46.7	47.1	47.9	48.8
75°	37.3	37.5	37.1	36.9	37.1	37.5	37.3	37.3	38.1	38.2	38.6
77.5°	27.6	26.7	27.1	26.7	27.1	26.7	27.6	28.3	28.5	29.4	29.4
80°	20.9	20.7	21.3	20.7	21.3	20.7	20.9	20.9	21.4	21.9	22.8
82.5°	16.6	16.4	16.6	16.2	16.6	16.4	16.6	16.4	16.6	17.2	17.0
85°	9.9	9.8	9.6	9.8	9.6	9.8	9.9	9.8	9.6	9.8	9.9
87.5°	7.7	7.6	7.7	7.8	7.7	7.6	7.7	7.3	7.3	7.1	6.9
90°	20.9	21.4	22.1	22.7	22.1	21.4	20.9	20.2	19.4	18.3	17.3
92.5°	43.3	43.8	44.3	44.7	44.3	43.8	43.3	42.9	41.9	40.5	39.1
95°	80.2	80.6	81.0	81.4	81.0	80.6	80.2	79.8	78.8	77.4	75.9
97.5°	122.8	123.0	123.3	123.5	123.3	123.0	122.8	122.5	121.7	120.3	119.0
100°	154.1	154.5	155.0	155.4	155.0	154.5	154.1	153.7	152.5	150.7	148.7
102.5°	185.5	186.1	186.6	187.2	186.6	186.1	185.5	184.8	183.5	181.5	179.4
105°	233.1	233.7	234.3	235.0	234.3	233.7	233.1	232.4	231.5	230.2	228.9
107.5°	284.0	284.0	283.9	283.8	283.9	284.0	284.0	284.1	283.7	283.1	282.4
110°	320.8	320.7	320.4	320.2	320.4	320.7	320.8	321.1	320.8	320.2	319.6



TEST NUMBER: P333515-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	357.0	356.6	356.2	355.9	356.2	356.6	357.0	357.3	357.4	357.1	356.9
115°	412.8	412.5	412.3	412.1	412.3	412.5	412.8	412.9	413.2	413.4	413.6
117.5°	469.6	468.8	467.9	467.1	467.9	468.8	469.6	470.4	470.8	470.6	470.4
120°	507.5	506.6	505.8	505.0	505.8	506.6	507.5	508.3	508.7	508.7	508.7
122.5°	544.9	544.2	543.6	542.9	543.6	544.2	544.9	545.6	546.0	546.2	546.3
125°	600.4	600.1	599.9	599.7	599.9	600.1	600.4	600.5	600.9	601.3	601.7
127.5°	655.6	655.1	654.7	654.3	654.7	655.1	655.6	656.0	656.3	656.5	656.7
130°	691.9	691.5	691.0	690.6	691.0	691.5	691.9	692.4	692.7	692.8	693.1
132.5°	726.5	725.9	725.4	724.8	725.4	725.9	726.5	727.2	727.5	727.7	728.0
135°	780.3	779.5	778.7	777.8	778.7	779.5	780.3	781.2	781.6	781.6	781.6
137.5°	832.9	831.8	830.8	829.7	830.8	831.8	832.9	834.0	834.4	834.1	833.9
140°	866.3	865.2	864.1	863.1	864.1	865.2	866.3	867.3	867.6	867.2	866.7
142.5°	898.1	897.1	896.0	895.0	896.0	897.1	898.1	899.1	899.5	899.3	899.0
145°	944.6	944.0	943.3	942.6	943.3	944.0	944.6	945.2	945.5	945.5	945.5
147.5°	987.7	986.3	984.9	983.4	984.9	986.3	987.7	989.1	989.6	989.1	988.6
150°	1015.0	1014.6	1014.2	1013.7	1014.2	1014.6	1015.0	1015.5	1015.6	1015.6	1015.6
152.5°	1041.1	1040.2	1039.5	1038.8	1039.5	1040.2	1041.1	1041.8	1041.9	1041.4	1040.9
155°	1077.5	1076.4	1075.5	1074.4	1075.5	1076.4	1077.5	1078.6	1078.7	1077.8	1077.0
157.5°	1108.3	1106.9	1105.5	1104.2	1105.5	1106.9	1108.3	1109.7	1109.9	1109.1	1108.2
160°	1127.7	1126.7	1125.6	1124.6	1125.6	1126.7	1127.7	1128.8	1128.9	1128.0	1127.2
162.5°	1145.7	1144.4	1143.2	1142.0	1143.2	1144.4	1145.7	1146.9	1147.0	1146.0	1145.0
165°	1169.1	1167.8	1166.6	1165.3	1166.6	1167.8	1169.1	1170.4	1170.6	1169.7	1168.9
167.5°	1187.8	1186.5	1185.2	1183.9	1185.2	1186.5	1187.8	1189.1	1189.1	1187.9	1186.6
170°	1198.2	1196.7	1195.2	1193.8	1195.2	1196.7	1198.2	1199.6	1199.7	1198.5	1197.2
172.5°	1206.0	1204.7	1203.4	1202.1	1203.4	1204.7	1206.0	1207.3	1207.3	1206.1	1204.8
175°	1214.3	1212.8	1211.3	1209.8	1211.3	1212.8	1214.3	1215.8	1215.9	1214.6	1213.3
177.5°	1218.0	1216.8	1215.6	1214.4	1215.6	1216.8	1218.0	1219.1	1219.2	1218.2	1217.2
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4



TEST NUMBER: P333515-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	439.9	441.6	442.5	444.6	447.6	449.1	451.2	452.7	454.9	457.4	459.5
5°	411.4	416.0	419.0	423.7	428.0	432.4	437.8	441.7	447.0	453.1	457.8
7.5°	385.0	390.6	395.7	401.9	409.0	414.6	421.8	429.0	437.2	445.8	453.9
10°	368.1	373.7	380.0	387.7	394.8	402.4	410.9	419.4	429.7	439.3	450.2
12.5°	351.4	357.7	364.6	373.2	381.9	391.5	400.1	409.7	420.9	433.3	445.0
15°	330.6	336.6	344.2	351.6	361.5	372.1	383.5	396.2	408.6	422.6	437.1
17.5°	308.3	315.0	323.3	331.8	342.3	354.7	365.9	379.8	393.7	409.9	427.1
20°	293.9	300.7	310.5	319.8	329.5	341.5	354.9	369.1	383.9	401.0	420.1
22.5°	282.4	287.2	296.9	306.5	317.7	330.1	343.2	357.9	374.1	391.9	411.8
25°	265.5	271.1	278.1	288.0	299.7	312.7	325.9	341.5	359.2	377.3	398.6
27.5°	250.3	254.9	261.9	269.7	281.4	294.8	308.8	325.1	343.3	361.7	384.1
30°	239.6	244.8	251.3	259.6	268.8	283.6	297.8	313.9	332.3	351.3	374.3
32.5°	230.3	235.5	241.2	249.1	259.0	272.1	286.8	302.6	321.3	341.0	363.3
35°	217.2	220.8	226.1	233.8	243.6	254.1	269.2	285.8	304.0	324.4	346.8
37.5°	202.2	206.8	212.1	218.8	227.4	238.8	252.8	269.6	286.6	306.0	326.4
40°	193.5	197.8	203.7	208.6	217.6	228.0	240.8	258.3	275.2	293.5	312.2
42.5°	184.6	188.7	193.7	199.8	207.9	218.0	229.9	246.2	264.4	281.6	297.3
45°	170.6	175.0	179.7	185.4	192.9	202.7	214.6	229.4	245.2	261.1	273.0
47.5°	157.4	161.4	165.9	171.7	178.6	188.1	198.7	211.9	227.2	240.7	249.2
50°	147.9	151.6	156.5	162.2	169.0	177.8	188.0	201.0	213.9	226.1	233.8
52.5°	138.5	142.8	147.7	152.5	159.1	167.9	177.3	188.5	200.7	210.7	217.0
55°	124.5	128.5	133.0	138.1	144.5	152.1	162.0	170.9	180.5	189.0	192.7
57.5°	111.0	114.5	118.7	124.0	129.8	136.8	144.7	153.2	160.0	166.0	170.2
60°	102.1	105.1	109.1	113.6	119.8	126.2	133.4	141.3	146.6	151.6	155.6
62.5°	93.0	96.0	99.7	103.8	109.3	115.2	122.1	128.5	133.6	137.1	141.6
65°	79.5	82.3	85.5	89.8	94.2	99.1	105.3	110.0	113.6	117.4	120.2
67.5°	66.9	69.2	72.2	75.7	79.3	84.1	88.9	92.8	95.2	97.5	100.9
70°	58.6	60.5	62.9	65.6	69.5	74.2	78.0	81.0	82.7	85.0	89.1
72.5°	50.1	52.3	54.6	57.2	60.5	64.4	67.8	70.8	71.8	73.6	76.3
75°	39.5	40.7	42.6	44.4	46.7	50.1	53.3	54.1	55.0	56.5	58.4
77.5°	29.9	30.9	31.7	32.9	34.7	37.4	39.1	40.3	40.5	41.1	42.9
80°	23.7	24.3	25.0	26.0	26.7	29.0	29.9	31.1	31.5	32.0	32.9
82.5°	17.4	17.9	18.4	19.2	20.4	21.4	22.3	23.4	23.5	23.9	24.1
85°	10.2	10.4	9.9	10.4	10.5	10.9	11.9	12.8	12.6	12.5	13.0
87.5°	6.8	6.7	6.2	6.4	5.8	5.6	5.3	5.1	5.1	5.1	5.0
90°	16.2	15.2	13.7	12.2	10.8	9.3	7.7	6.0	4.3	2.6	1.0
92.5°	37.7	36.4	34.6	32.8	31.0	29.1	27.6	26.5	25.3	24.1	22.9
95°	74.4	73.0	70.8	68.7	66.6	64.5	63.3	62.9	62.5	62.0	61.6
97.5°	117.6	116.2	113.2	110.3	107.5	104.5	103.0	102.8	102.6	102.5	102.3
100°	146.8	145.0	142.2	139.5	136.7	134.0	132.6	132.6	132.6	132.6	132.6
102.5°	177.3	175.3	173.9	172.5	171.1	169.7	168.6	167.8	166.9	166.1	165.3
105°	227.7	226.4	225.2	223.9	222.7	221.4	220.2	219.2	218.1	217.0	216.0
107.5°	281.8	281.2	280.2	279.2	278.3	277.3	276.3	275.2	274.2	273.1	272.1
110°	318.9	318.3	317.7	317.1	316.4	315.8	315.0	313.9	312.8	311.8	310.8



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	356.5	356.2	355.4	354.7	353.8	353.0	352.4	351.8	351.2	350.7	350.2
115°	413.8	414.0	413.6	413.2	412.8	412.3	411.7	410.8	410.0	409.2	408.3
117.5°	470.3	470.1	469.7	469.4	469.0	468.6	468.2	467.8	467.5	467.1	466.7
120°	508.7	508.7	508.6	508.3	508.1	507.9	507.3	506.2	505.2	504.1	503.0
122.5°	546.5	546.7	546.1	545.6	545.0	544.5	544.0	543.6	543.2	542.9	542.5
125°	602.1	602.6	602.3	602.1	601.9	601.7	601.0	599.7	598.4	597.2	595.9
127.5°	656.9	657.1	656.9	656.6	656.4	656.2	655.7	654.9	654.2	653.5	652.8
130°	693.3	693.5	693.1	692.7	692.3	691.9	691.0	690.1	689.0	687.9	686.9
132.5°	728.1	728.4	728.5	728.6	728.6	728.7	727.9	726.2	724.5	722.7	721.0
135°	781.6	781.6	781.4	781.2	781.0	780.8	780.1	778.8	777.6	776.2	775.0
137.5°	833.6	833.3	832.9	832.4	831.9	831.5	830.6	829.4	828.2	827.0	825.7
140°	866.3	865.9	865.3	864.7	864.1	863.4	862.6	861.5	860.5	859.4	858.3
142.5°	898.8	898.5	897.7	896.9	896.1	895.4	894.5	893.6	892.8	891.9	891.0
145°	945.5	945.5	944.9	944.3	943.6	943.0	942.2	941.4	940.6	939.7	938.9
147.5°	988.1	987.6	987.1	986.6	986.1	985.5	985.0	984.6	984.1	983.7	983.3
150°	1015.6	1015.6	1014.8	1013.9	1013.1	1012.3	1011.9	1012.2	1012.4	1012.6	1012.8
152.5°	1040.4	1039.9	1039.6	1039.2	1038.9	1038.5	1038.2	1038.0	1037.6	1037.3	1037.1
155°	1076.2	1075.3	1075.1	1074.9	1074.7	1074.5	1074.4	1074.4	1074.4	1074.4	1074.4
157.5°	1107.4	1106.6	1106.4	1106.2	1106.0	1105.7	1105.9	1106.4	1106.8	1107.3	1107.7
160°	1126.3	1125.5	1125.4	1125.1	1124.9	1124.7	1124.9	1125.5	1126.2	1126.8	1127.4
162.5°	1143.9	1143.0	1142.9	1142.9	1142.8	1142.8	1143.0	1143.5	1143.9	1144.4	1144.8
165°	1168.1	1167.2	1167.0	1166.8	1166.6	1166.4	1166.4	1166.9	1167.3	1167.8	1168.2
167.5°	1185.4	1184.1	1184.1	1184.1	1184.1	1184.1	1184.5	1185.4	1186.2	1187.0	1187.9
170°	1196.0	1194.7	1194.7	1194.7	1194.7	1194.7	1195.1	1196.0	1196.8	1197.7	1198.5
172.5°	1203.5	1202.2	1202.2	1202.2	1202.2	1202.2	1202.7	1203.5	1204.4	1205.3	1206.1
175°	1212.0	1210.8	1210.8	1210.8	1210.8	1210.8	1211.2	1212.0	1212.9	1213.7	1214.6
177.5°	1216.2	1215.1	1215.3	1215.5	1215.7	1215.9	1216.3	1216.9	1217.6	1218.3	1219.0
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	461.1	462.5	464.5	466.8	468.6	470.5	471.6	471.6	472.5	474.4	477.0
5°	462.5	467.4	472.1	478.1	482.8	488.3	492.4	496.4	499.9	504.5	509.2
7.5°	462.1	470.3	478.7	488.2	498.7	507.0	515.6	522.3	528.9	537.6	544.4
10°	460.6	471.2	482.7	494.7	507.9	519.3	529.8	539.2	548.2	557.7	566.1
12.5°	457.9	471.3	485.3	499.9	516.5	529.6	543.0	553.0	563.6	573.9	584.3
15°	453.8	469.6	486.6	506.8	527.1	541.8	555.0	568.0	577.8	589.5	599.5
17.5°	445.4	465.8	487.1	509.2	528.7	545.8	559.6	572.0	582.4	595.3	608.9
20°	440.4	462.5	484.7	508.3	526.9	544.5	557.8	570.6	583.6	600.4	616.9
22.5°	433.5	457.1	480.6	503.0	522.7	539.6	553.4	569.1	586.2	605.2	625.3
25°	422.6	446.9	470.2	491.5	510.7	528.1	546.9	568.0	588.7	613.8	642.6
27.5°	408.6	432.1	452.9	475.4	494.5	516.6	540.1	563.0	592.8	627.3	663.2
30°	398.3	420.4	440.3	461.5	483.2	507.5	533.9	560.8	596.5	636.9	679.7
32.5°	386.2	406.3	425.9	446.5	471.5	498.1	526.2	559.1	601.7	647.8	692.0
35°	365.3	383.4	402.4	425.2	451.8	480.8	516.6	556.7	608.1	657.6	697.4
37.5°	343.3	357.7	376.7	400.8	429.7	463.3	503.9	552.7	605.4	650.0	666.8
40°	326.4	339.8	360.0	385.2	413.9	450.6	496.2	546.3	599.5	630.3	629.0
42.5°	309.7	323.3	342.7	368.1	397.9	439.0	486.0	538.0	582.9	594.6	570.1
45°	284.1	296.7	315.8	341.4	373.4	416.5	465.9	515.8	544.5	525.4	476.8
47.5°	258.0	270.2	287.9	312.9	347.9	393.1	439.8	480.7	484.7	443.8	385.6
50°	240.8	252.3	269.0	295.8	329.7	373.7	418.8	451.0	441.0	391.1	331.0
52.5°	224.0	235.1	250.8	276.1	310.7	353.8	394.0	419.4	396.2	343.2	289.1
55°	199.3	209.9	225.7	248.8	280.3	319.8	355.1	364.4	330.4	277.0	233.3
57.5°	175.9	183.6	199.2	219.7	250.1	284.9	310.1	308.5	271.1	222.9	191.5
60°	160.3	167.3	182.1	201.0	229.8	261.1	278.8	271.3	233.4	193.6	163.5
62.5°	145.9	152.4	164.9	182.1	206.9	234.2	247.0	236.6	200.9	165.9	141.9
65°	123.9	128.7	138.7	154.7	174.1	192.9	204.4	189.1	157.5	131.1	113.0
67.5°	103.5	107.5	116.4	127.9	141.3	154.3	159.0	144.7	120.1	102.3	89.5
70°	90.3	94.0	100.0	110.8	119.6	128.8	131.1	118.3	97.8	84.2	76.3
72.5°	77.6	81.0	86.3	93.9	100.0	105.3	106.4	94.5	78.8	69.5	63.3
75°	59.2	62.2	65.6	68.4	72.3	73.3	72.9	63.7	55.2	49.0	45.6
77.5°	43.5	44.8	46.8	47.9	48.1	48.0	46.1	40.3	35.9	33.3	32.0
80°	33.5	34.5	35.1	35.4	35.6	33.8	31.6	28.0	26.6	25.0	23.4
82.5°	24.4	24.9	25.5	25.6	24.6	23.0	21.1	19.3	18.3	17.5	16.9
85°	13.2	13.4	13.2	12.2	10.9	10.4	9.9	9.6	9.5	9.2	9.2
87.5°	5.2	5.1	4.6	5.1	5.5	5.6	5.9	6.0	6.2	6.4	6.6
90°	2.6	4.3	6.0	7.7	9.3	10.8	12.2	13.7	15.2	16.2	17.3
92.5°	24.1	25.3	26.5	27.6	29.1	31.0	32.8	34.6	36.4	37.7	39.1
95°	62.0	62.5	62.9	63.3	64.5	66.6	68.7	70.8	73.0	74.4	75.9
97.5°	102.5	102.6	102.8	103.0	104.5	107.5	110.3	113.2	116.2	117.6	119.0
100°	132.6	132.6	132.6	132.6	134.0	136.7	139.5	142.2	145.0	146.8	148.7
102.5°	166.1	166.9	167.8	168.6	169.7	171.1	172.5	173.9	175.3	177.3	179.4
105°	217.0	218.1	219.2	220.2	221.4	222.7	223.9	225.2	226.4	227.7	228.9
107.5°	273.1	274.2	275.2	276.3	277.3	278.3	279.2	280.2	281.2	281.8	282.4
110°	311.8	312.8	313.9	315.0	315.8	316.4	317.1	317.7	318.3	318.9	319.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	350.7	351.2	351.8	352.4	353.0	353.8	354.7	355.4	356.2	356.5	356.9
115°	409.2	410.0	410.8	411.7	412.3	412.8	413.2	413.6	414.0	413.8	413.6
117.5°	467.1	467.5	467.8	468.2	468.6	469.0	469.4	469.7	470.1	470.3	470.4
120°	504.1	505.2	506.2	507.3	507.9	508.1	508.3	508.6	508.7	508.7	508.7
122.5°	542.9	543.2	543.6	544.0	544.5	545.0	545.6	546.1	546.7	546.5	546.3
125°	597.2	598.4	599.7	601.0	601.7	601.9	602.1	602.3	602.6	602.1	601.7
127.5°	653.5	654.2	654.9	655.7	656.2	656.4	656.6	656.9	657.1	656.9	656.7
130°	687.9	689.0	690.1	691.0	691.9	692.3	692.7	693.1	693.5	693.3	693.1
132.5°	722.7	724.5	726.2	727.9	728.7	728.6	728.6	728.5	728.4	728.1	728.0
135°	776.2	777.6	778.8	780.1	780.8	781.0	781.2	781.4	781.6	781.6	781.6
137.5°	827.0	828.2	829.4	830.6	831.5	831.9	832.4	832.9	833.3	833.6	833.9
140°	859.4	860.5	861.5	862.6	863.4	864.1	864.7	865.3	865.9	866.3	866.7
142.5°	891.9	892.8	893.6	894.5	895.4	896.1	896.9	897.7	898.5	898.8	899.0
145°	939.7	940.6	941.4	942.2	943.0	943.6	944.3	944.9	945.5	945.5	945.5
147.5°	983.7	984.1	984.6	985.0	985.5	986.1	986.6	987.1	987.6	988.1	988.6
150°	1012.6	1012.4	1012.2	1011.9	1012.3	1013.1	1013.9	1014.8	1015.6	1015.6	1015.6
152.5°	1037.3	1037.6	1038.0	1038.2	1038.5	1038.9	1039.2	1039.6	1039.9	1040.4	1040.9
155°	1074.4	1074.4	1074.4	1074.4	1074.5	1074.7	1074.9	1075.1	1075.3	1076.2	1077.0
157.5°	1107.3	1106.8	1106.4	1105.9	1105.7	1106.0	1106.2	1106.4	1106.6	1107.4	1108.2
160°	1126.8	1126.2	1125.5	1124.9	1124.7	1124.9	1125.1	1125.4	1125.5	1126.3	1127.2
162.5°	1144.4	1143.9	1143.5	1143.0	1142.8	1142.8	1142.9	1142.9	1143.0	1143.9	1145.0
165°	1167.8	1167.3	1166.9	1166.4	1166.4	1166.6	1166.8	1167.0	1167.2	1168.1	1168.9
167.5°	1187.0	1186.2	1185.4	1184.5	1184.1	1184.1	1184.1	1184.1	1184.1	1185.4	1186.6
170°	1197.7	1196.8	1196.0	1195.1	1194.7	1194.7	1194.7	1194.7	1194.7	1196.0	1197.2
172.5°	1205.3	1204.4	1203.5	1202.7	1202.2	1202.2	1202.2	1202.2	1202.2	1203.5	1204.8
175°	1213.7	1212.9	1212.0	1211.2	1210.8	1210.8	1210.8	1210.8	1210.8	1212.0	1213.3
177.5°	1218.3	1217.6	1216.9	1216.3	1215.9	1215.7	1215.5	1215.3	1215.1	1216.2	1217.2
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	479.0	479.0	481.5	481.4	483.1	482.4	482.7
5°	514.9	518.0	520.9	522.8	525.6	526.4	525.9
7.5°	552.1	559.2	562.6	567.4	568.3	570.8	570.5
10°	575.1	582.1	587.4	591.5	593.6	596.2	596.5
12.5°	593.2	599.2	603.8	607.6	610.2	611.0	611.5
15°	607.4	613.9	619.4	624.8	628.1	630.6	631.9
17.5°	621.6	631.8	641.4	648.8	653.3	657.0	657.0
20°	632.6	644.2	656.3	664.8	673.5	677.3	677.8
22.5°	644.3	662.2	677.8	690.9	702.3	706.2	707.7
25°	668.8	692.1	716.1	734.5	747.7	755.5	756.6
27.5°	698.3	729.9	755.0	772.1	783.0	788.8	790.0
30°	719.1	748.3	770.9	783.7	788.8	789.5	786.7
32.5°	728.4	750.2	759.3	758.6	748.5	741.9	739.4
35°	717.0	712.5	690.5	664.1	643.9	631.1	627.7
37.5°	652.5	613.5	573.0	533.1	511.9	501.1	482.6
40°	588.9	533.3	491.1	457.6	433.7	414.4	409.9
42.5°	517.1	459.7	417.6	388.9	369.7	356.6	350.8
45°	415.6	366.2	331.3	309.3	294.6	285.0	280.7
47.5°	332.4	294.2	268.8	252.5	241.2	232.9	230.6
50°	286.7	256.2	234.7	220.9	212.5	206.1	203.5
52.5°	249.1	224.4	207.9	196.6	188.6	184.6	182.4
55°	205.5	184.3	172.4	163.3	158.8	155.6	154.1
57.5°	168.1	152.7	144.1	137.8	133.6	131.6	130.9
60°	147.2	135.1	127.2	122.3	119.4	116.8	116.0
62.5°	128.6	119.1	113.0	108.7	105.9	104.8	104.3
65°	103.6	97.4	92.9	90.3	88.0	87.6	87.4
67.5°	82.3	78.7	76.3	73.6	72.8	71.5	71.2
70°	70.4	68.0	65.1	64.2	63.3	62.0	62.2
72.5°	59.8	57.3	55.4	54.1	53.8	53.2	53.7
75°	43.7	43.0	42.2	41.3	40.8	40.8	40.7
77.5°	31.2	30.6	29.8	29.2	29.0	28.3	28.5
80°	22.6	21.7	21.3	21.4	20.9	20.7	20.7
82.5°	16.7	16.4	16.0	16.1	15.9	15.7	15.9
85°	9.2	9.0	9.0	8.9	8.9	8.6	8.6
87.5°	7.0	7.3	7.2	7.2	7.3	7.6	7.8
90°	18.3	19.4	20.2	20.9	21.4	22.1	22.7
92.5°	40.5	41.9	42.9	43.3	43.8	44.3	44.7
95°	77.4	78.8	79.8	80.2	80.6	81.0	81.4
97.5°	120.3	121.7	122.5	122.8	123.0	123.3	123.5
100°	150.7	152.5	153.7	154.1	154.5	155.0	155.4
102.5°	181.5	183.5	184.8	185.5	186.1	186.6	187.2
105°	230.2	231.5	232.4	233.1	233.7	234.3	235.0
107.5°	283.1	283.7	284.1	284.0	284.0	283.9	283.8
110°	320.2	320.8	321.1	320.8	320.7	320.4	320.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	357.1	357.4	357.3	357.0	356.6	356.2	355.9
115°	413.4	413.2	412.9	412.8	412.5	412.3	412.1
117.5°	470.6	470.8	470.4	469.6	468.8	467.9	467.1
120°	508.7	508.7	508.3	507.5	506.6	505.8	505.0
122.5°	546.2	546.0	545.6	544.9	544.2	543.6	542.9
125°	601.3	600.9	600.5	600.4	600.1	599.9	599.7
127.5°	656.5	656.3	656.0	655.6	655.1	654.7	654.3
130°	692.8	692.7	692.4	691.9	691.5	691.0	690.6
132.5°	727.7	727.5	727.2	726.5	725.9	725.4	724.8
135°	781.6	781.6	781.2	780.3	779.5	778.7	777.8
137.5°	834.1	834.4	834.0	832.9	831.8	830.8	829.7
140°	867.2	867.6	867.3	866.3	865.2	864.1	863.1
142.5°	899.3	899.5	899.1	898.1	897.1	896.0	895.0
145°	945.5	945.5	945.2	944.6	944.0	943.3	942.6
147.5°	989.1	989.6	989.1	987.7	986.3	984.9	983.4
150°	1015.6	1015.6	1015.5	1015.0	1014.6	1014.2	1013.7
152.5°	1041.4	1041.9	1041.8	1041.1	1040.2	1039.5	1038.8
155°	1077.8	1078.7	1078.6	1077.5	1076.4	1075.5	1074.4
157.5°	1109.1	1109.9	1109.7	1108.3	1106.9	1105.5	1104.2
160°	1128.0	1128.9	1128.8	1127.7	1126.7	1125.6	1124.6
162.5°	1146.0	1147.0	1146.9	1145.7	1144.4	1143.2	1142.0
165°	1169.7	1170.6	1170.4	1169.1	1167.8	1166.6	1165.3
167.5°	1187.9	1189.1	1189.1	1187.8	1186.5	1185.2	1183.9
170°	1198.5	1199.7	1199.6	1198.2	1196.7	1195.2	1193.8
172.5°	1206.1	1207.3	1207.3	1206.0	1204.7	1203.4	1202.1
175°	1214.6	1215.9	1215.8	1214.3	1212.8	1211.3	1209.8
177.5°	1218.2	1219.2	1219.1	1218.0	1216.8	1215.6	1214.4
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4

(END OF REPORT)