

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: P333353-940

Luminaire Tested: **S125DIW-S375D1050U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333353-940
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: S125DIW-S375D1050U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4612.2 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

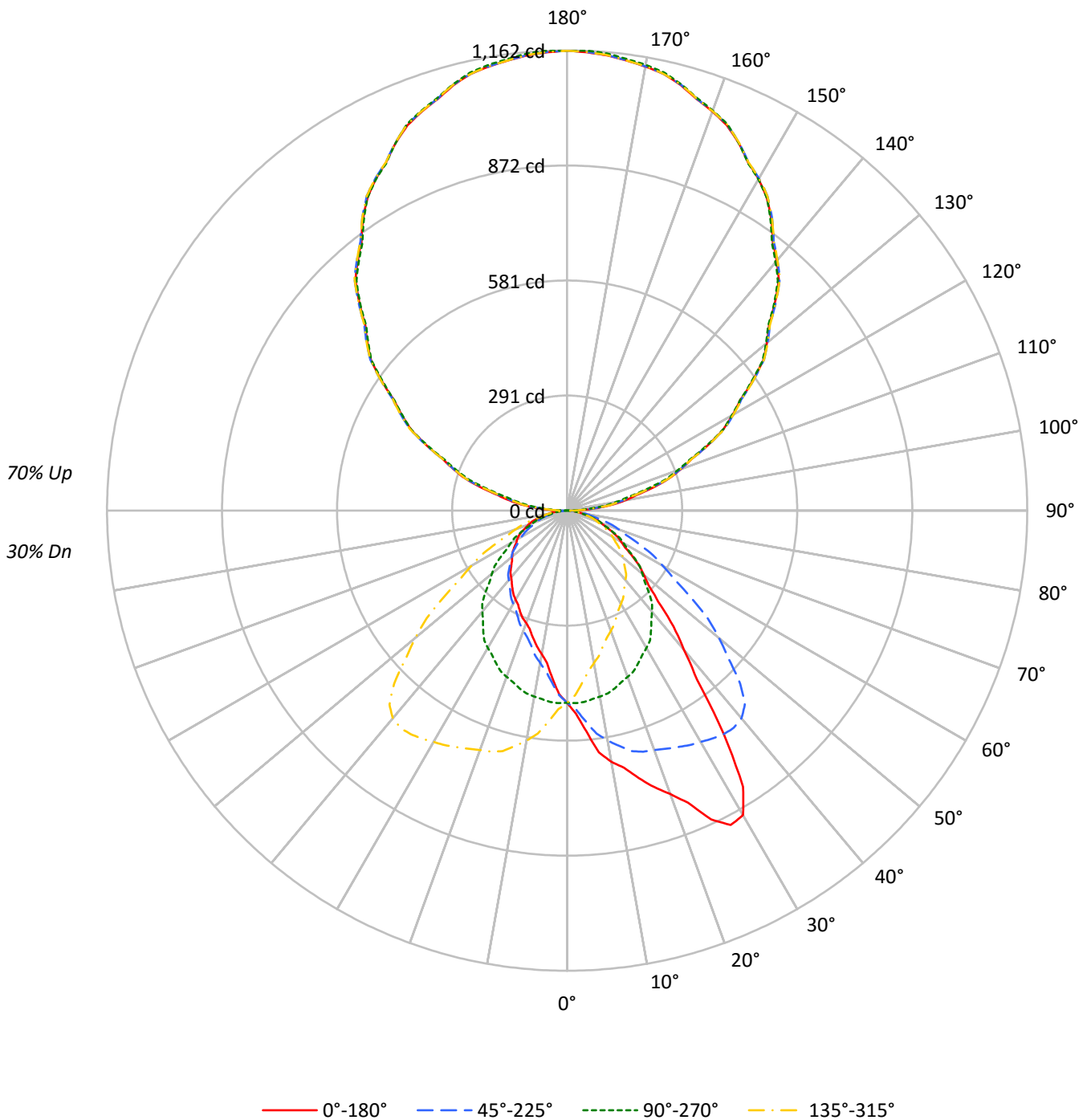
Input Watts (W): 38
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	102	102	102	102	92	92	92	92	72	72	72	54	54	54	38	38	38	30				
1	93	89	86	82	84	80	77	74	63	61	59	48	46	45	33	33	32	25				
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	29	28	27	21				
3	78	69	62	56	69	62	56	51	49	45	41	37	34	32	26	25	23	18				
4	71	61	53	47	63	55	48	43	44	39	35	33	30	27	23	22	20	16				
5	65	54	46	40	58	49	42	37	39	34	30	30	26	24	21	19	17	14				
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12				
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	17	15	14	11				
8	51	39	32	27	46	36	29	25	29	24	20	22	19	16	16	14	12	10				
9	48	36	29	24	43	32	26	22	26	21	18	20	17	14	15	13	11	9				
10	44	33	26	21	40	30	24	19	24	19	16	19	15	13	14	11	10	8				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3135	3135	3135	3135
5°	3630	3146	2755	3146
10°	4224	3129	2413	3129
15°	4676	3107	2226	3107
20°	5234	3070	2076	3070
25°	6131	3029	2003	3029
30°	6623	2988	1939	2988
35°	5445	2912	1898	2912
40°	3871	2807	1851	2807
45°	2974	2665	1825	2665
50°	2538	2488	1822	2488
55°	2260	2315	1838	2315
60°	2038	2126	1885	2126
65°	1883	1936	1933	1936
70°	1713	1739	1962	1739
75°	1510	1532	1941	1532
80°	1272	1250	1778	1250
85°	1008	897	1438	897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	1.0
10°-20°	139.1	3.0
20°-30°	225.9	4.9
30°-40°	275.6	6.0
40°-50°	250.7	5.4
50°-60°	199.7	4.3
60°-70°	139.1	3.0
70°-80°	74.2	1.6
80°-90°	21.3	0.5
90°-100°	77.8	1.7
100°-110°	229.6	5.0
110°-120°	388.9	8.4
120°-130°	511.9	11.1
130°-140°	573.6	12.4
140°-150°	562.1	12.2
150°-160°	472.2	10.2
160°-170°	313.9	6.8
170°-180°	109.8	2.4
0°-30°	411.8	8.9
0°-40°	687.4	14.9
0°-60°	1137.8	24.7
0°-90°	1372.4	29.8
90°-120°	696.4	15.1
90°-150°	2344.0	50.8
90°-180°	3240.0	70.2
0°-180°	4612.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	560	485	425	485	560	56
15°	699	465	333	465	699	200
25°	860	425	281	425	860	393
35°	691	369	241	369	691	423
45°	326	292	200	292	326	261
55°	201	206	163	206	201	181
65°	123	127	126	127	123	122
75°	60	61	78	61	60	65
85°	14	12	19	12	14	16
90°	22	1	22	1	22	13
95°	78	59	78	59	78	79
105°	224	206	224	206	224	237
115°	393	389	393	389	393	389
125°	572	568	572	568	572	511
135°	742	739	742	739	742	572
145°	899	895	899	895	899	561
155°	1025	1025	1025	1025	1025	471
165°	1111	1114	1111	1114	1111	313
175°	1154	1158	1154	1158	1154	110
180°	1161	1161	1161	1161	1161	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	513.4	512.8	512.1	510.9	511.8	509.0	507.7	505.4	502.6	501.6	500.4
5°	560.0	561.1	562.1	557.8	558.2	555.3	548.7	543.3	539.0	533.4	529.5
7.5°	616.1	613.7	613.4	610.6	605.8	601.9	595.0	586.2	577.7	567.9	559.9
10°	644.1	644.4	642.5	639.2	634.0	630.3	621.3	612.6	602.1	589.7	580.9
12.5°	665.2	666.1	663.7	659.2	656.7	648.5	641.3	631.1	618.6	608.7	595.2
15°	699.3	697.1	695.4	689.8	685.5	676.9	665.6	654.8	641.2	628.7	616.1
17.5°	732.2	734.1	730.9	725.9	712.4	702.3	687.2	672.4	655.5	638.6	623.7
20°	761.5	763.2	758.5	749.6	733.5	723.4	703.5	684.5	664.9	643.3	626.8
22.5°	798.2	796.8	790.4	776.9	763.0	744.4	722.7	699.6	675.1	650.7	628.7
25°	860.4	851.8	847.8	831.2	812.9	785.4	755.8	722.0	691.5	659.2	631.2
27.5°	895.0	892.2	887.9	876.3	857.0	827.7	792.7	751.5	708.6	667.7	631.0
30°	888.1	888.5	888.9	885.2	872.8	850.8	815.9	771.7	720.5	674.6	632.1
32.5°	826.7	834.2	841.4	849.9	853.4	849.1	827.3	787.3	734.7	682.5	631.5
35°	690.6	692.9	716.2	739.3	770.6	795.0	811.2	793.4	749.2	689.2	630.7
37.5°	538.5	549.7	565.8	591.8	637.0	677.5	729.6	753.5	739.2	691.4	629.3
40°	459.1	469.4	479.9	506.5	544.6	593.6	652.7	703.2	715.0	684.5	624.3
42.5°	397.8	405.9	417.6	437.6	469.4	512.8	569.4	635.3	675.9	664.4	613.9
45°	325.6	330.7	339.7	355.6	378.7	412.7	462.5	534.7	597.5	618.3	589.3
47.5°	278.7	278.7	285.7	296.6	313.3	342.1	379.1	435.5	502.7	552.3	550.0
50°	252.6	251.6	257.2	266.6	279.8	299.0	334.2	379.3	443.8	500.1	515.8
52.5°	230.2	230.3	233.7	240.8	251.8	268.1	294.4	335.2	390.2	448.0	477.5
55°	200.7	199.8	203.8	208.5	216.6	227.3	246.2	277.3	322.1	378.9	417.2
57.5°	173.6	175.9	177.5	180.7	187.4	194.7	210.6	233.4	268.9	317.7	358.2
60°	157.8	160.1	161.3	164.6	170.0	176.2	188.5	207.1	236.9	279.0	319.1
62.5°	143.7	145.4	145.9	148.8	153.2	159.2	168.9	184.5	208.1	244.9	284.2
65°	123.2	123.2	124.0	127.2	129.2	134.6	142.0	153.3	172.3	200.9	234.5
67.5°	103.5	104.5	104.3	105.7	107.5	111.7	117.0	126.4	140.4	161.3	188.2
70°	90.7	91.5	91.3	92.3	94.3	97.0	101.4	110.2	120.3	138.2	161.3
72.5°	79.1	79.5	78.9	80.3	81.5	83.8	88.7	93.5	102.8	118.0	137.0
75°	60.5	61.0	61.4	62.2	63.5	64.7	67.1	71.9	78.1	89.4	101.6
77.5°	45.4	44.6	45.7	45.5	46.2	47.2	49.3	51.8	56.9	64.1	73.5
80°	34.2	34.4	34.4	34.6	35.7	36.3	38.1	39.9	43.9	49.2	55.8
82.5°	25.0	25.5	25.1	25.6	26.4	26.8	27.9	29.4	31.7	35.9	40.7
85°	13.6	12.6	13.0	13.4	13.4	13.6	14.4	15.1	16.3	17.9	19.8
87.5°	8.3	8.5	8.6	8.4	8.5	8.3	8.7	8.6	8.8	9.2	9.5
90°	21.7	21.0	20.5	19.9	19.3	18.5	17.5	16.5	15.4	14.4	13.0
92.5°	42.6	42.2	41.7	41.3	40.8	40.0	38.7	37.4	36.0	34.7	33.0
95°	77.7	77.3	76.9	76.5	76.1	75.2	73.7	72.4	71.0	69.6	67.6
97.5°	117.8	117.6	117.3	117.1	116.8	116.1	114.8	113.4	112.1	110.8	108.0
100°	148.2	147.8	147.4	147.0	146.6	145.4	143.7	141.9	140.1	138.2	135.6
102.5°	178.5	178.0	177.5	176.8	176.3	175.0	173.1	171.1	169.2	167.2	165.9
105°	224.1	223.5	222.8	222.3	221.7	220.8	219.5	218.4	217.1	216.0	214.7
107.5°	270.7	270.7	270.8	270.8	270.9	270.5	270.0	269.4	268.8	268.1	267.2
110°	305.4	305.6	305.8	306.0	306.2	306.0	305.4	304.8	304.2	303.6	303.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	339.4	339.7	340.1	340.5	340.8	340.8	340.5	340.3	340.0	339.7	338.9
115°	393.1	393.2	393.4	393.6	393.9	394.0	394.2	394.4	394.7	394.8	394.4
117.5°	445.4	446.2	447.0	447.8	448.6	449.0	448.8	448.6	448.5	448.4	448.0
120°	481.6	482.4	483.2	484.0	484.8	485.2	485.2	485.2	485.2	485.2	485.0
122.5°	517.7	518.4	519.0	519.7	520.3	520.7	520.8	521.0	521.2	521.4	520.8
125°	571.9	572.1	572.3	572.6	572.7	573.0	573.5	573.8	574.3	574.6	574.4
127.5°	624.0	624.4	624.8	625.2	625.6	625.9	626.1	626.2	626.5	626.7	626.4
130°	658.7	659.1	659.5	659.9	660.3	660.6	660.8	661.0	661.2	661.4	661.0
132.5°	691.2	691.8	692.3	692.9	693.5	693.8	694.0	694.2	694.5	694.6	694.7
135°	741.8	742.6	743.4	744.2	745.0	745.4	745.4	745.4	745.4	745.4	745.2
137.5°	791.3	792.3	793.4	794.3	795.3	795.7	795.5	795.2	795.0	794.8	794.3
140°	823.1	824.1	825.1	826.2	827.2	827.4	827.1	826.6	826.3	825.8	825.2
142.5°	853.5	854.5	855.5	856.5	857.5	857.9	857.6	857.4	857.1	856.9	856.1
145°	899.0	899.6	900.2	900.8	901.4	901.7	901.7	901.7	901.7	901.7	901.2
147.5°	937.9	939.2	940.6	942.0	943.3	943.8	943.3	942.8	942.4	941.8	941.4
150°	966.8	967.1	967.6	968.0	968.4	968.6	968.6	968.6	968.6	968.6	967.8
152.5°	990.6	991.3	992.1	992.8	993.5	993.6	993.2	992.7	992.2	991.8	991.4
155°	1024.6	1025.6	1026.6	1027.6	1028.6	1028.8	1028.0	1027.2	1026.4	1025.6	1025.3
157.5°	1053.0	1054.3	1055.6	1056.9	1058.3	1058.5	1057.7	1056.9	1056.1	1055.3	1055.2
160°	1072.5	1073.5	1074.5	1075.5	1076.5	1076.7	1075.8	1075.0	1074.2	1073.4	1073.2
162.5°	1089.1	1090.3	1091.5	1092.6	1093.8	1093.9	1092.9	1092.0	1091.0	1090.0	1090.0
165°	1111.3	1112.6	1113.7	1115.0	1116.2	1116.3	1115.5	1114.7	1113.9	1113.1	1112.9
167.5°	1129.1	1130.3	1131.6	1132.8	1134.1	1134.1	1132.8	1131.7	1130.4	1129.3	1129.3
170°	1138.4	1139.9	1141.3	1142.6	1144.1	1144.2	1143.0	1141.7	1140.6	1139.3	1139.3
172.5°	1146.4	1147.6	1148.9	1150.1	1151.4	1151.4	1150.2	1149.0	1147.8	1146.6	1146.6
175°	1153.8	1155.2	1156.6	1158.1	1159.4	1159.6	1158.3	1157.1	1155.9	1154.7	1154.7
177.5°	1158.2	1159.3	1160.4	1161.5	1162.6	1162.7	1161.8	1160.8	1159.8	1158.9	1159.0
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	499.4	498.3	497.0	494.6	491.9	490.4	488.1	486.6	483.7	481.2	478.5
5°	524.8	519.4	514.5	508.1	501.1	496.6	491.2	485.3	479.0	472.7	465.7
7.5°	551.1	541.5	531.3	520.2	509.3	499.4	489.8	480.5	471.8	461.2	452.3
10°	568.6	556.7	543.9	529.0	514.2	501.5	488.6	477.2	465.7	453.3	442.4
12.5°	586.3	570.4	552.3	535.8	518.3	502.8	487.6	473.1	458.6	444.9	432.1
15°	598.8	584.8	568.1	544.6	524.8	503.5	483.4	464.7	447.1	431.9	415.8
17.5°	607.0	588.9	571.0	548.5	522.5	498.8	475.9	454.4	434.7	415.4	399.9
20°	608.4	589.9	571.1	549.1	522.5	495.3	472.4	446.7	425.5	405.5	386.6
22.5°	608.0	586.9	566.5	543.9	517.9	492.8	465.2	439.0	415.9	396.3	376.5
25°	603.3	580.9	555.3	532.4	506.8	480.3	452.3	425.1	401.6	379.2	359.5
27.5°	599.4	570.3	541.4	514.7	490.0	465.7	438.8	411.0	385.0	362.2	343.8
30°	594.7	562.7	530.1	502.3	477.0	453.3	427.9	400.7	373.5	351.3	331.5
32.5°	590.4	553.1	518.8	488.5	461.6	438.6	415.3	389.4	362.7	340.1	320.3
35°	582.1	539.0	499.6	465.5	436.8	413.1	393.5	369.4	344.9	323.1	304.2
37.5°	571.6	520.5	478.2	442.4	411.0	386.0	367.8	349.3	325.7	304.7	287.6
40°	563.3	507.3	462.5	425.9	393.3	367.4	350.4	333.0	313.4	293.8	275.7
42.5°	552.9	495.4	446.7	407.2	375.1	349.7	332.0	317.2	299.9	281.6	264.8
45°	533.9	473.9	421.2	378.7	346.2	321.2	302.9	291.8	278.7	261.4	247.3
47.5°	505.8	448.1	393.5	349.7	316.1	293.0	275.8	265.1	256.0	243.2	230.2
50°	480.9	428.8	373.5	330.1	296.5	273.2	257.3	247.6	239.9	230.0	219.0
52.5°	453.1	404.6	353.9	310.9	277.7	254.8	239.2	230.7	224.2	217.1	206.3
55°	408.8	367.6	320.6	279.8	249.1	226.7	213.0	205.6	200.3	194.9	188.3
57.5°	360.1	327.8	286.2	248.9	220.6	200.2	187.5	180.3	176.1	173.3	169.5
60°	325.7	298.2	262.3	228.3	200.7	182.5	170.2	164.6	161.1	158.9	156.0
62.5°	293.9	271.3	238.1	207.1	182.9	165.8	154.7	149.3	146.0	144.8	142.5
65°	247.1	229.5	202.2	176.4	155.8	141.2	131.9	126.7	124.7	123.4	123.6
67.5°	200.8	190.2	168.2	146.2	129.7	117.5	110.0	106.1	105.0	103.4	103.4
70°	172.6	164.6	146.1	126.9	112.3	102.8	96.2	92.1	91.0	90.2	90.1
72.5°	147.8	140.7	124.7	109.3	96.1	87.8	82.4	79.9	78.2	77.8	77.7
75°	111.0	107.2	94.3	82.2	73.1	67.4	63.7	61.4	60.2	59.9	60.2
77.5°	78.9	75.5	67.4	58.8	53.1	48.7	45.6	44.8	43.4	43.4	43.2
80°	59.3	57.1	51.9	45.1	40.4	36.6	35.0	33.6	33.2	32.5	33.2
82.5°	43.0	40.6	37.1	32.7	28.8	26.7	25.0	24.5	24.3	24.0	24.1
85°	21.2	21.4	19.4	16.1	14.4	13.2	12.1	12.1	11.9	11.8	11.9
87.5°	9.5	9.0	8.0	7.2	6.1	5.3	4.8	4.6	4.5	4.6	5.1
90°	11.7	10.3	8.8	7.3	5.7	4.1	2.5	0.9	2.5	4.1	5.7
92.5°	31.2	29.5	27.8	26.4	25.2	24.1	23.0	21.8	23.0	24.1	25.2
95°	65.5	63.6	61.5	60.4	59.9	59.6	59.1	58.8	59.1	59.6	59.9
97.5°	105.2	102.5	99.7	98.3	98.1	97.9	97.7	97.6	97.7	97.9	98.1
100°	133.0	130.4	127.8	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5
102.5°	164.5	163.2	161.8	160.8	160.0	159.2	158.4	157.6	158.4	159.2	160.0
105°	213.6	212.3	211.2	210.0	209.0	208.0	207.0	206.0	207.0	208.0	209.0
107.5°	266.4	265.4	264.5	263.5	262.5	261.5	260.5	259.5	260.5	261.5	262.5
110°	302.4	301.8	301.2	300.4	299.3	298.4	297.4	296.3	297.4	298.4	299.3



TEST NUMBER: P333353-940

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	338.2	337.4	336.7	336.0	335.6	335.0	334.5	333.9	334.5	335.0	335.6
115°	394.0	393.6	393.2	392.6	391.8	391.0	390.2	389.4	390.2	391.0	391.8
117.5°	447.6	447.3	446.9	446.6	446.1	445.8	445.4	445.1	445.4	445.8	446.1
120°	484.8	484.6	484.4	483.8	482.8	481.8	480.8	479.7	480.8	481.8	482.8
122.5°	520.3	519.8	519.2	518.8	518.4	518.1	517.7	517.4	517.7	518.1	518.4
125°	574.3	574.1	573.8	573.1	571.9	570.7	569.5	568.3	569.5	570.7	571.9
127.5°	626.2	626.0	625.7	625.3	624.6	623.9	623.2	622.5	623.2	623.9	624.6
130°	660.6	660.2	659.8	659.1	658.1	657.1	656.0	655.1	656.0	657.1	658.1
132.5°	694.8	694.9	695.0	694.2	692.5	690.9	689.2	687.6	689.2	690.9	692.5
135°	745.0	744.8	744.6	744.0	742.7	741.5	740.3	739.0	740.3	741.5	742.7
137.5°	793.9	793.4	793.0	792.2	791.0	789.9	788.7	787.6	788.7	789.9	791.0
140°	824.7	824.0	823.4	822.6	821.6	820.6	819.6	818.6	819.6	820.6	821.6
142.5°	855.4	854.6	853.9	853.1	852.2	851.4	850.5	849.7	850.5	851.4	852.2
145°	900.5	899.9	899.3	898.6	897.8	897.0	896.2	895.4	896.2	897.0	897.8
147.5°	940.8	940.4	940.0	939.4	939.0	938.6	938.2	937.7	938.2	938.6	939.0
150°	967.0	966.2	965.4	965.1	965.3	965.5	965.7	965.9	965.7	965.5	965.3
152.5°	991.0	990.8	990.4	990.2	989.9	989.5	989.3	989.0	989.3	989.5	989.9
155°	1025.1	1024.9	1024.7	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6
157.5°	1054.9	1054.7	1054.5	1054.6	1055.1	1055.5	1056.0	1056.4	1056.0	1055.5	1055.1
160°	1073.0	1072.8	1072.6	1072.8	1073.4	1074.0	1074.6	1075.2	1074.6	1074.0	1073.4
162.5°	1089.9	1089.9	1089.8	1090.0	1090.5	1090.9	1091.4	1091.8	1091.4	1090.9	1090.5
165°	1112.8	1112.6	1112.3	1112.4	1112.9	1113.2	1113.7	1114.1	1113.7	1113.2	1112.9
167.5°	1129.3	1129.3	1129.3	1129.6	1130.4	1131.2	1132.0	1132.8	1132.0	1131.2	1130.4
170°	1139.3	1139.3	1139.3	1139.8	1140.6	1141.4	1142.2	1143.0	1142.2	1141.4	1140.6
172.5°	1146.6	1146.6	1146.6	1147.0	1147.8	1148.6	1149.4	1150.2	1149.4	1148.6	1147.8
175°	1154.7	1154.7	1154.7	1155.1	1155.9	1156.7	1157.5	1158.3	1157.5	1156.7	1155.9
177.5°	1159.2	1159.3	1159.5	1159.9	1160.6	1161.2	1161.8	1162.5	1161.8	1161.2	1160.6
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



TEST NUMBER: P333353-940

CATALOG NUMBER: S125DIW-S375D1050U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	477.1	475.2	473.8	470.5	468.6	466.2	464.2	466.4	464.0	465.0	463.5
5°	462.2	456.4	452.3	446.3	441.1	436.4	432.9	432.3	430.6	429.8	427.3
7.5°	444.3	437.0	430.0	422.1	415.5	408.8	404.6	401.0	398.7	395.6	393.4
10°	433.7	424.0	415.8	406.4	398.1	390.8	385.1	382.2	379.5	375.6	374.2
12.5°	420.7	410.7	400.6	390.5	382.5	374.5	369.6	365.2	363.4	359.0	358.6
15°	405.1	390.0	380.1	369.9	358.9	352.3	348.2	343.5	341.4	338.3	336.1
17.5°	386.5	373.0	360.7	350.0	340.6	335.1	329.9	326.7	323.2	321.1	317.4
20°	372.9	360.2	347.8	336.4	329.2	322.9	318.8	315.7	311.9	310.9	307.2
22.5°	361.6	347.5	335.6	326.1	318.3	311.0	306.6	304.4	301.9	298.7	298.0
25°	343.0	328.4	318.3	308.9	301.8	295.2	292.2	289.5	287.0	284.7	283.9
27.5°	327.1	314.0	302.0	293.5	287.3	281.3	278.7	275.4	273.6	271.7	269.5
30°	315.8	302.5	291.9	283.7	277.1	271.8	268.9	266.6	265.0	263.3	262.1
32.5°	304.3	291.9	281.8	273.7	267.1	263.1	260.5	258.9	257.1	255.1	253.5
35°	289.1	275.4	265.6	258.6	253.4	250.3	247.4	246.0	244.0	244.0	242.3
37.5°	271.9	260.1	251.4	245.0	240.4	237.6	234.5	233.5	232.2	231.3	230.8
40°	261.7	250.7	242.5	236.1	231.2	228.9	226.4	224.8	224.0	222.9	222.6
42.5°	251.1	240.7	232.8	226.9	222.6	220.7	218.4	217.2	215.5	214.2	213.9
45°	235.1	225.0	217.8	213.0	209.4	207.1	205.6	203.1	202.3	200.7	200.5
47.5°	219.9	210.2	203.1	199.2	196.0	194.1	191.9	189.4	188.4	187.6	187.5
50°	208.5	199.7	193.1	189.4	186.3	183.6	181.3	179.7	179.1	179.1	179.5
52.5°	197.0	189.4	183.9	179.3	176.4	173.5	171.4	170.4	169.5	170.5	171.2
55°	180.1	172.5	168.4	164.0	161.1	157.8	156.8	156.4	155.8	157.4	158.3
57.5°	162.2	156.9	152.0	147.8	145.2	143.2	141.9	141.6	142.8	143.6	146.2
60°	150.8	144.6	140.4	137.1	133.9	132.7	132.2	131.9	132.7	134.9	138.5
62.5°	138.3	133.3	128.6	126.2	123.9	121.8	121.7	122.0	123.6	126.3	129.7
65°	119.9	115.6	112.5	109.6	107.7	106.6	106.9	107.7	109.6	113.2	117.0
67.5°	101.2	98.3	95.5	93.2	91.4	91.4	91.8	93.1	95.2	99.2	102.8
70°	89.3	86.0	83.6	82.7	81.1	80.3	81.6	83.6	85.5	89.3	92.3
72.5°	77.2	74.4	72.6	71.9	71.2	70.6	71.1	73.3	75.8	79.5	83.1
75°	59.3	58.3	57.1	56.3	55.6	56.1	56.4	58.5	60.5	64.5	68.6
77.5°	43.3	42.3	41.5	41.3	40.9	41.2	42.4	43.9	45.8	48.7	51.8
80°	32.7	32.4	31.9	31.7	31.7	31.9	33.6	34.6	36.5	39.1	41.6
82.5°	23.9	23.6	23.5	23.5	23.6	23.7	24.7	26.0	27.6	29.6	31.7
85°	12.6	12.1	12.8	13.0	12.6	13.2	13.6	14.4	15.1	16.1	17.1
87.5°	5.6	6.2	6.3	6.8	7.0	7.7	7.7	8.6	9.1	9.6	9.6
90°	7.3	8.8	10.3	11.7	13.0	14.4	15.4	16.5	17.5	18.5	19.3
92.5°	26.4	27.8	29.5	31.2	33.0	34.7	36.0	37.4	38.7	40.0	40.8
95°	60.4	61.5	63.6	65.5	67.6	69.6	71.0	72.4	73.7	75.2	76.1
97.5°	98.3	99.7	102.5	105.2	108.0	110.8	112.1	113.4	114.8	116.1	116.8
100°	126.5	127.8	130.4	133.0	135.6	138.2	140.1	141.9	143.7	145.4	146.6
102.5°	160.8	161.8	163.2	164.5	165.9	167.2	169.2	171.1	173.1	175.0	176.3
105°	210.0	211.2	212.3	213.6	214.7	216.0	217.1	218.4	219.5	220.8	221.7
107.5°	263.5	264.5	265.4	266.4	267.2	268.1	268.8	269.4	270.0	270.5	270.9
110°	300.4	301.2	301.8	302.4	303.0	303.6	304.2	304.8	305.4	306.0	306.2



TEST NUMBER: P333353-940

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	336.0	336.7	337.4	338.2	338.9	339.7	340.0	340.3	340.5	340.8	340.8
115°	392.6	393.2	393.6	394.0	394.4	394.8	394.7	394.4	394.2	394.0	393.9
117.5°	446.6	446.9	447.3	447.6	448.0	448.4	448.5	448.6	448.8	449.0	448.6
120°	483.8	484.4	484.6	484.8	485.0	485.2	485.2	485.2	485.2	485.2	484.8
122.5°	518.8	519.2	519.8	520.3	520.8	521.4	521.2	521.0	520.8	520.7	520.3
125°	573.1	573.8	574.1	574.3	574.4	574.6	574.3	573.8	573.5	573.0	572.7
127.5°	625.3	625.7	626.0	626.2	626.4	626.7	626.5	626.2	626.1	625.9	625.6
130°	659.1	659.8	660.2	660.6	661.0	661.4	661.2	661.0	660.8	660.6	660.3
132.5°	694.2	695.0	694.9	694.8	694.7	694.6	694.5	694.2	694.0	693.8	693.5
135°	744.0	744.6	744.8	745.0	745.2	745.4	745.4	745.4	745.4	745.4	745.0
137.5°	792.2	793.0	793.4	793.9	794.3	794.8	795.0	795.2	795.5	795.7	795.3
140°	822.6	823.4	824.0	824.7	825.2	825.8	826.3	826.6	827.1	827.4	827.2
142.5°	853.1	853.9	854.6	855.4	856.1	856.9	857.1	857.4	857.6	857.9	857.5
145°	898.6	899.3	899.9	900.5	901.2	901.7	901.7	901.7	901.7	901.7	901.4
147.5°	939.4	940.0	940.4	940.8	941.4	941.8	942.4	942.8	943.3	943.8	943.3
150°	965.1	965.4	966.2	967.0	967.8	968.6	968.6	968.6	968.6	968.6	968.4
152.5°	990.2	990.4	990.8	991.0	991.4	991.8	992.2	992.7	993.2	993.6	993.5
155°	1024.6	1024.7	1024.9	1025.1	1025.3	1025.6	1026.4	1027.2	1028.0	1028.8	1028.6
157.5°	1054.6	1054.5	1054.7	1054.9	1055.2	1055.3	1056.1	1056.9	1057.7	1058.5	1058.3
160°	1072.8	1072.6	1072.8	1073.0	1073.2	1073.4	1074.2	1075.0	1075.8	1076.7	1076.5
162.5°	1090.0	1089.8	1089.9	1089.9	1090.0	1090.0	1091.0	1092.0	1092.9	1093.9	1093.8
165°	1112.4	1112.3	1112.6	1112.8	1112.9	1113.1	1113.9	1114.7	1115.5	1116.3	1116.2
167.5°	1129.6	1129.3	1129.3	1129.3	1129.3	1129.3	1130.4	1131.7	1132.8	1134.1	1134.1
170°	1139.8	1139.3	1139.3	1139.3	1139.3	1139.3	1140.6	1141.7	1143.0	1144.2	1144.1
172.5°	1147.0	1146.6	1146.6	1146.6	1146.6	1146.6	1147.8	1149.0	1150.2	1151.4	1151.4
175°	1155.1	1154.7	1154.7	1154.7	1154.7	1154.7	1155.9	1157.1	1158.3	1159.6	1159.4
177.5°	1159.9	1159.5	1159.3	1159.2	1159.0	1158.9	1159.8	1160.8	1161.8	1162.7	1162.6
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



TEST NUMBER: P333353-940

CATALOG NUMBER: S125DIW-S375D1050U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	462.5	463.7	462.7	464.0	462.7	463.7	462.5	463.5	465.0	464.0	466.4
5°	426.3	424.5	425.7	424.9	425.7	424.5	426.3	427.3	429.8	430.6	432.3
7.5°	392.9	391.1	389.1	388.1	389.1	391.1	392.9	393.4	395.6	398.7	401.0
10°	371.9	369.6	369.4	368.0	369.4	369.6	371.9	374.2	375.6	379.5	382.2
12.5°	356.6	354.5	352.1	351.5	352.1	354.5	356.6	358.6	359.0	363.4	365.2
15°	334.8	333.1	331.7	333.0	331.7	333.1	334.8	336.1	338.3	341.4	343.5
17.5°	316.7	315.4	315.1	313.6	315.1	315.4	316.7	317.4	321.1	323.2	326.7
20°	305.3	304.3	304.8	302.0	304.8	304.3	305.3	307.2	310.9	311.9	315.7
22.5°	296.3	294.3	294.0	293.5	294.0	294.3	296.3	298.0	298.7	301.9	304.4
25°	282.0	281.1	280.0	281.1	280.0	281.1	282.0	283.9	284.7	287.0	289.5
27.5°	269.7	268.4	268.1	268.3	268.1	268.4	269.7	269.5	271.7	273.6	275.4
30°	262.1	260.0	260.2	260.0	260.2	260.0	262.1	262.1	263.3	265.0	266.6
32.5°	253.9	252.4	252.2	251.8	252.2	252.4	253.9	253.5	255.1	257.1	258.9
35°	241.7	241.7	240.7	240.7	240.7	241.7	241.7	242.3	244.0	244.0	246.0
37.5°	230.2	230.1	229.4	229.5	229.4	230.1	230.2	230.8	231.3	232.2	233.5
40°	221.7	221.5	220.9	219.6	220.9	221.5	221.7	222.6	222.9	224.0	224.8
42.5°	213.5	212.8	212.5	212.0	212.5	212.8	213.5	213.9	214.2	215.5	217.2
45°	200.5	200.5	200.1	199.8	200.1	200.5	200.5	200.5	200.7	202.3	203.1
47.5°	187.9	188.2	189.0	188.9	189.0	188.2	187.9	187.5	187.6	188.4	189.4
50°	180.3	180.5	181.1	181.3	181.1	180.5	180.3	179.5	179.1	179.1	179.7
52.5°	171.9	173.1	173.9	173.7	173.9	173.1	171.9	171.2	170.5	169.5	170.4
55°	160.1	161.6	163.0	163.2	163.0	161.6	160.1	158.3	157.4	155.8	156.4
57.5°	148.5	150.4	151.9	152.5	151.9	150.4	148.5	146.2	143.6	142.8	141.6
60°	140.5	143.2	145.1	145.9	145.1	143.2	140.5	138.5	134.9	132.7	131.9
62.5°	133.0	136.0	137.8	137.9	137.8	136.0	133.0	129.7	126.3	123.6	122.0
65°	120.6	123.6	125.3	126.5	125.3	123.6	120.6	117.0	113.2	109.6	107.7
67.5°	107.2	110.3	112.1	113.1	112.1	110.3	107.2	102.8	99.2	95.2	93.1
70°	97.5	100.6	103.0	103.9	103.0	100.6	97.5	92.3	89.3	85.5	83.6
72.5°	87.9	90.7	92.6	93.6	92.6	90.7	87.9	83.1	79.5	75.8	73.3
75°	71.2	75.0	76.9	77.8	76.9	75.0	71.2	68.6	64.5	60.5	58.5
77.5°	54.9	58.3	59.5	60.0	59.5	58.3	54.9	51.8	48.7	45.8	43.9
80°	44.1	46.2	47.6	47.8	47.6	46.2	44.1	41.6	39.1	36.5	34.6
82.5°	33.9	35.6	36.0	36.6	36.0	35.6	33.9	31.7	29.6	27.6	26.0
85°	18.5	19.4	19.6	19.4	19.6	19.4	18.5	17.1	16.1	15.1	14.4
87.5°	10.1	10.0	10.2	10.6	10.2	10.0	10.1	9.6	9.6	9.1	8.6
90°	19.9	20.5	21.0	21.7	21.0	20.5	19.9	19.3	18.5	17.5	16.5
92.5°	41.3	41.7	42.2	42.6	42.2	41.7	41.3	40.8	40.0	38.7	37.4
95°	76.5	76.9	77.3	77.7	77.3	76.9	76.5	76.1	75.2	73.7	72.4
97.5°	117.1	117.3	117.6	117.8	117.6	117.3	117.1	116.8	116.1	114.8	113.4
100°	147.0	147.4	147.8	148.2	147.8	147.4	147.0	146.6	145.4	143.7	141.9
102.5°	176.8	177.5	178.0	178.5	178.0	177.5	176.8	176.3	175.0	173.1	171.1
105°	222.3	222.8	223.5	224.1	223.5	222.8	222.3	221.7	220.8	219.5	218.4
107.5°	270.8	270.8	270.7	270.7	270.7	270.8	270.8	270.9	270.5	270.0	269.4
110°	306.0	305.8	305.6	305.4	305.6	305.8	306.0	306.2	306.0	305.4	304.8



TEST NUMBER: P333353-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	340.5	340.1	339.7	339.4	339.7	340.1	340.5	340.8	340.8	340.5	340.3
115°	393.6	393.4	393.2	393.1	393.2	393.4	393.6	393.9	394.0	394.2	394.4
117.5°	447.8	447.0	446.2	445.4	446.2	447.0	447.8	448.6	449.0	448.8	448.6
120°	484.0	483.2	482.4	481.6	482.4	483.2	484.0	484.8	485.2	485.2	485.2
122.5°	519.7	519.0	518.4	517.7	518.4	519.0	519.7	520.3	520.7	520.8	521.0
125°	572.6	572.3	572.1	571.9	572.1	572.3	572.6	572.7	573.0	573.5	573.8
127.5°	625.2	624.8	624.4	624.0	624.4	624.8	625.2	625.6	625.9	626.1	626.2
130°	659.9	659.5	659.1	658.7	659.1	659.5	659.9	660.3	660.6	660.8	661.0
132.5°	692.9	692.3	691.8	691.2	691.8	692.3	692.9	693.5	693.8	694.0	694.2
135°	744.2	743.4	742.6	741.8	742.6	743.4	744.2	745.0	745.4	745.4	745.4
137.5°	794.3	793.4	792.3	791.3	792.3	793.4	794.3	795.3	795.7	795.5	795.2
140°	826.2	825.1	824.1	823.1	824.1	825.1	826.2	827.2	827.4	827.1	826.6
142.5°	856.5	855.5	854.5	853.5	854.5	855.5	856.5	857.5	857.9	857.6	857.4
145°	900.8	900.2	899.6	899.0	899.6	900.2	900.8	901.4	901.7	901.7	901.7
147.5°	942.0	940.6	939.2	937.9	939.2	940.6	942.0	943.3	943.8	943.3	942.8
150°	968.0	967.6	967.1	966.8	967.1	967.6	968.0	968.4	968.6	968.6	968.6
152.5°	992.8	992.1	991.3	990.6	991.3	992.1	992.8	993.5	993.6	993.2	992.7
155°	1027.6	1026.6	1025.6	1024.6	1025.6	1026.6	1027.6	1028.6	1028.8	1028.0	1027.2
157.5°	1056.9	1055.6	1054.3	1053.0	1054.3	1055.6	1056.9	1058.3	1058.5	1057.7	1056.9
160°	1075.5	1074.5	1073.5	1072.5	1073.5	1074.5	1075.5	1076.5	1076.7	1075.8	1075.0
162.5°	1092.6	1091.5	1090.3	1089.1	1090.3	1091.5	1092.6	1093.8	1093.9	1092.9	1092.0
165°	1115.0	1113.7	1112.6	1111.3	1112.6	1113.7	1115.0	1116.2	1116.3	1115.5	1114.7
167.5°	1132.8	1131.6	1130.3	1129.1	1130.3	1131.6	1132.8	1134.1	1134.1	1132.8	1131.7
170°	1142.6	1141.3	1139.9	1138.4	1139.9	1141.3	1142.6	1144.1	1144.2	1143.0	1141.7
172.5°	1150.1	1148.9	1147.6	1146.4	1147.6	1148.9	1150.1	1151.4	1151.4	1150.2	1149.0
175°	1158.1	1156.6	1155.2	1153.8	1155.2	1156.6	1158.1	1159.4	1159.6	1158.3	1157.1
177.5°	1161.5	1160.4	1159.3	1158.2	1159.3	1160.4	1161.5	1162.6	1162.7	1161.8	1160.8
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	464.2	466.2	468.6	470.5	473.8	475.2	477.1	478.5	481.2	483.7	486.6
5°	432.9	436.4	441.1	446.3	452.3	456.4	462.2	465.7	472.7	479.0	485.3
7.5°	404.6	408.8	415.5	422.1	430.0	437.0	444.3	452.3	461.2	471.8	480.5
10°	385.1	390.8	398.1	406.4	415.8	424.0	433.7	442.4	453.3	465.7	477.2
12.5°	369.6	374.5	382.5	390.5	400.6	410.7	420.7	432.1	444.9	458.6	473.1
15°	348.2	352.3	358.9	369.9	380.1	390.0	405.1	415.8	431.9	447.1	464.7
17.5°	329.9	335.1	340.6	350.0	360.7	373.0	386.5	399.9	415.4	434.7	454.4
20°	318.8	322.9	329.2	336.4	347.8	360.2	372.9	386.6	405.5	425.5	446.7
22.5°	306.6	311.0	318.3	326.1	335.6	347.5	361.6	376.5	396.3	415.9	439.0
25°	292.2	295.2	301.8	308.9	318.3	328.4	343.0	359.5	379.2	401.6	425.1
27.5°	278.7	281.3	287.3	293.5	302.0	314.0	327.1	343.8	362.2	385.0	411.0
30°	268.9	271.8	277.1	283.7	291.9	302.5	315.8	331.5	351.3	373.5	400.7
32.5°	260.5	263.1	267.1	273.7	281.8	291.9	304.3	320.3	340.1	362.7	389.4
35°	247.4	250.3	253.4	258.6	265.6	275.4	289.1	304.2	323.1	344.9	369.4
37.5°	234.5	237.6	240.4	245.0	251.4	260.1	271.9	287.6	304.7	325.7	349.3
40°	226.4	228.9	231.2	236.1	242.5	250.7	261.7	275.7	293.8	313.4	333.0
42.5°	218.4	220.7	222.6	226.9	232.8	240.7	251.1	264.8	281.6	299.9	317.2
45°	205.6	207.1	209.4	213.0	217.8	225.0	235.1	247.3	261.4	278.7	291.8
47.5°	191.9	194.1	196.0	199.2	203.1	210.2	219.9	230.2	243.2	256.0	265.1
50°	181.3	183.6	186.3	189.4	193.1	199.7	208.5	219.0	230.0	239.9	247.6
52.5°	171.4	173.5	176.4	179.3	183.9	189.4	197.0	206.3	217.1	224.2	230.7
55°	156.8	157.8	161.1	164.0	168.4	172.5	180.1	188.3	194.9	200.3	205.6
57.5°	141.9	143.2	145.2	147.8	152.0	156.9	162.2	169.5	173.3	176.1	180.3
60°	132.2	132.7	133.9	137.1	140.4	144.6	150.8	156.0	158.9	161.1	164.6
62.5°	121.7	121.8	123.9	126.2	128.6	133.3	138.3	142.5	144.8	146.0	149.3
65°	106.9	106.6	107.7	109.6	112.5	115.6	119.9	123.6	123.4	124.7	126.7
67.5°	91.8	91.4	91.4	93.2	95.5	98.3	101.2	103.4	103.4	105.0	106.1
70°	81.6	80.3	81.1	82.7	83.6	86.0	89.3	90.1	90.2	91.0	92.1
72.5°	71.1	70.6	71.2	71.9	72.6	74.4	77.2	77.7	77.8	78.2	79.9
75°	56.4	56.1	55.6	56.3	57.1	58.3	59.3	60.2	59.9	60.2	61.4
77.5°	42.4	41.2	40.9	41.3	41.5	42.3	43.3	43.2	43.4	43.4	44.8
80°	33.6	31.9	31.7	31.7	31.9	32.4	32.7	33.2	32.5	33.2	33.6
82.5°	24.7	23.7	23.6	23.5	23.5	23.6	23.9	24.1	24.0	24.3	24.5
85°	13.6	13.2	12.6	13.0	12.8	12.1	12.6	11.9	11.8	11.9	12.1
87.5°	7.7	7.7	7.0	6.8	6.3	6.2	5.6	5.1	4.6	4.5	4.6
90°	15.4	14.4	13.0	11.7	10.3	8.8	7.3	5.7	4.1	2.5	0.9
92.5°	36.0	34.7	33.0	31.2	29.5	27.8	26.4	25.2	24.1	23.0	21.8
95°	71.0	69.6	67.6	65.5	63.6	61.5	60.4	59.9	59.6	59.1	58.8
97.5°	112.1	110.8	108.0	105.2	102.5	99.7	98.3	98.1	97.9	97.7	97.6
100°	140.1	138.2	135.6	133.0	130.4	127.8	126.5	126.5	126.5	126.5	126.5
102.5°	169.2	167.2	165.9	164.5	163.2	161.8	160.8	160.0	159.2	158.4	157.6
105°	217.1	216.0	214.7	213.6	212.3	211.2	210.0	209.0	208.0	207.0	206.0
107.5°	268.8	268.1	267.2	266.4	265.4	264.5	263.5	262.5	261.5	260.5	259.5
110°	304.2	303.6	303.0	302.4	301.8	301.2	300.4	299.3	298.4	297.4	296.3



TEST NUMBER: P333353-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	340.0	339.7	338.9	338.2	337.4	336.7	336.0	335.6	335.0	334.5	333.9
115°	394.7	394.8	394.4	394.0	393.6	393.2	392.6	391.8	391.0	390.2	389.4
117.5°	448.5	448.4	448.0	447.6	447.3	446.9	446.6	446.1	445.8	445.4	445.1
120°	485.2	485.2	485.0	484.8	484.6	484.4	483.8	482.8	481.8	480.8	479.7
122.5°	521.2	521.4	520.8	520.3	519.8	519.2	518.8	518.4	518.1	517.7	517.4
125°	574.3	574.6	574.4	574.3	574.1	573.8	573.1	571.9	570.7	569.5	568.3
127.5°	626.5	626.7	626.4	626.2	626.0	625.7	625.3	624.6	623.9	623.2	622.5
130°	661.2	661.4	661.0	660.6	660.2	659.8	659.1	658.1	657.1	656.0	655.1
132.5°	694.5	694.6	694.7	694.8	694.9	695.0	694.2	692.5	690.9	689.2	687.6
135°	745.4	745.4	745.2	745.0	744.8	744.6	744.0	742.7	741.5	740.3	739.0
137.5°	795.0	794.8	794.3	793.9	793.4	793.0	792.2	791.0	789.9	788.7	787.6
140°	826.3	825.8	825.2	824.7	824.0	823.4	822.6	821.6	820.6	819.6	818.6
142.5°	857.1	856.9	856.1	855.4	854.6	853.9	853.1	852.2	851.4	850.5	849.7
145°	901.7	901.7	901.2	900.5	899.9	899.3	898.6	897.8	897.0	896.2	895.4
147.5°	942.4	941.8	941.4	940.8	940.4	940.0	939.4	939.0	938.6	938.2	937.7
150°	968.6	968.6	967.8	967.0	966.2	965.4	965.1	965.3	965.5	965.7	965.9
152.5°	992.2	991.8	991.4	991.0	990.8	990.4	990.2	989.9	989.5	989.3	989.0
155°	1026.4	1025.6	1025.3	1025.1	1024.9	1024.7	1024.6	1024.6	1024.6	1024.6	1024.6
157.5°	1056.1	1055.3	1055.2	1054.9	1054.7	1054.5	1054.6	1055.1	1055.5	1056.0	1056.4
160°	1074.2	1073.4	1073.2	1073.0	1072.8	1072.6	1072.8	1073.4	1074.0	1074.6	1075.2
162.5°	1091.0	1090.0	1090.0	1089.9	1089.9	1089.8	1090.0	1090.5	1090.9	1091.4	1091.8
165°	1113.9	1113.1	1112.9	1112.8	1112.6	1112.3	1112.4	1112.9	1113.2	1113.7	1114.1
167.5°	1130.4	1129.3	1129.3	1129.3	1129.3	1129.3	1129.6	1130.4	1131.2	1132.0	1132.8
170°	1140.6	1139.3	1139.3	1139.3	1139.3	1139.3	1139.8	1140.6	1141.4	1142.2	1143.0
172.5°	1147.8	1146.6	1146.6	1146.6	1146.6	1146.6	1147.0	1147.8	1148.6	1149.4	1150.2
175°	1155.9	1154.7	1154.7	1154.7	1154.7	1154.7	1155.1	1155.9	1156.7	1157.5	1158.3
177.5°	1159.8	1158.9	1159.0	1159.2	1159.3	1159.5	1159.9	1160.6	1161.2	1161.8	1162.5
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	488.1	490.4	491.9	494.6	497.0	498.3	499.4	500.4	501.6	502.6	505.4
5°	491.2	496.6	501.1	508.1	514.5	519.4	524.8	529.5	533.4	539.0	543.3
7.5°	489.8	499.4	509.3	520.2	531.3	541.5	551.1	559.9	567.9	577.7	586.2
10°	488.6	501.5	514.2	529.0	543.9	556.7	568.6	580.9	589.7	602.1	612.6
12.5°	487.6	502.8	518.3	535.8	552.3	570.4	586.3	595.2	608.7	618.6	631.1
15°	483.4	503.5	524.8	544.6	568.1	584.8	598.8	616.1	628.7	641.2	654.8
17.5°	475.9	498.8	522.5	548.5	571.0	588.9	607.0	623.7	638.6	655.5	672.4
20°	472.4	495.3	522.5	549.1	571.1	589.9	608.4	626.8	643.3	664.9	684.5
22.5°	465.2	492.8	517.9	543.9	566.5	586.9	608.0	628.7	650.7	675.1	699.6
25°	452.3	480.3	506.8	532.4	555.3	580.9	603.3	631.2	659.2	691.5	722.0
27.5°	438.8	465.7	490.0	514.7	541.4	570.3	599.4	631.0	667.7	708.6	751.5
30°	427.9	453.3	477.0	502.3	530.1	562.7	594.7	632.1	674.6	720.5	771.7
32.5°	415.3	438.6	461.6	488.5	518.8	553.1	590.4	631.5	682.5	734.7	787.3
35°	393.5	413.1	436.8	465.5	499.6	539.0	582.1	630.7	689.2	749.2	793.4
37.5°	367.8	386.0	411.0	442.4	478.2	520.5	571.6	629.3	691.4	739.2	753.5
40°	350.4	367.4	393.3	425.9	462.5	507.3	563.3	624.3	684.5	715.0	703.2
42.5°	332.0	349.7	375.1	407.2	446.7	495.4	552.9	613.9	664.4	675.9	635.3
45°	302.9	321.2	346.2	378.7	421.2	473.9	533.9	589.3	618.3	597.5	534.7
47.5°	275.8	293.0	316.1	349.7	393.5	448.1	505.8	550.0	552.3	502.7	435.5
50°	257.3	273.2	296.5	330.1	373.5	428.8	480.9	515.8	500.1	443.8	379.3
52.5°	239.2	254.8	277.7	310.9	353.9	404.6	453.1	477.5	448.0	390.2	335.2
55°	213.0	226.7	249.1	279.8	320.6	367.6	408.8	417.2	378.9	322.1	277.3
57.5°	187.5	200.2	220.6	248.9	286.2	327.8	360.1	358.2	317.7	268.9	233.4
60°	170.2	182.5	200.7	228.3	262.3	298.2	325.7	319.1	279.0	236.9	207.1
62.5°	154.7	165.8	182.9	207.1	238.1	271.3	293.9	284.2	244.9	208.1	184.5
65°	131.9	141.2	155.8	176.4	202.2	229.5	247.1	234.5	200.9	172.3	153.3
67.5°	110.0	117.5	129.7	146.2	168.2	190.2	200.8	188.2	161.3	140.4	126.4
70°	96.2	102.8	112.3	126.9	146.1	164.6	172.6	161.3	138.2	120.3	110.2
72.5°	82.4	87.8	96.1	109.3	124.7	140.7	147.8	137.0	118.0	102.8	93.5
75°	63.7	67.4	73.1	82.2	94.3	107.2	111.0	101.6	89.4	78.1	71.9
77.5°	45.6	48.7	53.1	58.8	67.4	75.5	78.9	73.5	64.1	56.9	51.8
80°	35.0	36.6	40.4	45.1	51.9	57.1	59.3	55.8	49.2	43.9	39.9
82.5°	25.0	26.7	28.8	32.7	37.1	40.6	43.0	40.7	35.9	31.7	29.4
85°	12.1	13.2	14.4	16.1	19.4	21.4	21.2	19.8	17.9	16.3	15.1
87.5°	4.8	5.3	6.1	7.2	8.0	9.0	9.5	9.5	9.2	8.8	8.6
90°	2.5	4.1	5.7	7.3	8.8	10.3	11.7	13.0	14.4	15.4	16.5
92.5°	23.0	24.1	25.2	26.4	27.8	29.5	31.2	33.0	34.7	36.0	37.4
95°	59.1	59.6	59.9	60.4	61.5	63.6	65.5	67.6	69.6	71.0	72.4
97.5°	97.7	97.9	98.1	98.3	99.7	102.5	105.2	108.0	110.8	112.1	113.4
100°	126.5	126.5	126.5	126.5	127.8	130.4	133.0	135.6	138.2	140.1	141.9
102.5°	158.4	159.2	160.0	160.8	161.8	163.2	164.5	165.9	167.2	169.2	171.1
105°	207.0	208.0	209.0	210.0	211.2	212.3	213.6	214.7	216.0	217.1	218.4
107.5°	260.5	261.5	262.5	263.5	264.5	265.4	266.4	267.2	268.1	268.8	269.4
110°	297.4	298.4	299.3	300.4	301.2	301.8	302.4	303.0	303.6	304.2	304.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	334.5	335.0	335.6	336.0	336.7	337.4	338.2	338.9	339.7	340.0	340.3
115°	390.2	391.0	391.8	392.6	393.2	393.6	394.0	394.4	394.8	394.7	394.4
117.5°	445.4	445.8	446.1	446.6	446.9	447.3	447.6	448.0	448.4	448.5	448.6
120°	480.8	481.8	482.8	483.8	484.4	484.6	484.8	485.0	485.2	485.2	485.2
122.5°	517.7	518.1	518.4	518.8	519.2	519.8	520.3	520.8	521.4	521.2	521.0
125°	569.5	570.7	571.9	573.1	573.8	574.1	574.3	574.4	574.6	574.3	573.8
127.5°	623.2	623.9	624.6	625.3	625.7	626.0	626.2	626.4	626.7	626.5	626.2
130°	656.0	657.1	658.1	659.1	659.8	660.2	660.6	661.0	661.4	661.2	661.0
132.5°	689.2	690.9	692.5	694.2	695.0	694.9	694.8	694.7	694.6	694.5	694.2
135°	740.3	741.5	742.7	744.0	744.6	744.8	745.0	745.2	745.4	745.4	745.4
137.5°	788.7	789.9	791.0	792.2	793.0	793.4	793.9	794.3	794.8	795.0	795.2
140°	819.6	820.6	821.6	822.6	823.4	824.0	824.7	825.2	825.8	826.3	826.6
142.5°	850.5	851.4	852.2	853.1	853.9	854.6	855.4	856.1	856.9	857.1	857.4
145°	896.2	897.0	897.8	898.6	899.3	899.9	900.5	901.2	901.7	901.7	901.7
147.5°	938.2	938.6	939.0	939.4	940.0	940.4	940.8	941.4	941.8	942.4	942.8
150°	965.7	965.5	965.3	965.1	965.4	966.2	967.0	967.8	968.6	968.6	968.6
152.5°	989.3	989.5	989.9	990.2	990.4	990.8	991.0	991.4	991.8	992.2	992.7
155°	1024.6	1024.6	1024.6	1024.6	1024.7	1024.9	1025.1	1025.3	1025.6	1026.4	1027.2
157.5°	1056.0	1055.5	1055.1	1054.6	1054.5	1054.7	1054.9	1055.2	1055.3	1056.1	1056.9
160°	1074.6	1074.0	1073.4	1072.8	1072.6	1072.8	1073.0	1073.2	1073.4	1074.2	1075.0
162.5°	1091.4	1090.9	1090.5	1090.0	1089.8	1089.9	1089.9	1090.0	1090.0	1091.0	1092.0
165°	1113.7	1113.2	1112.9	1112.4	1112.3	1112.6	1112.8	1112.9	1113.1	1113.9	1114.7
167.5°	1132.0	1131.2	1130.4	1129.6	1129.3	1129.3	1129.3	1129.3	1129.3	1130.4	1131.7
170°	1142.2	1141.4	1140.6	1139.8	1139.3	1139.3	1139.3	1139.3	1139.3	1140.6	1141.7
172.5°	1149.4	1148.6	1147.8	1147.0	1146.6	1146.6	1146.6	1146.6	1146.6	1147.8	1149.0
175°	1157.5	1156.7	1155.9	1155.1	1154.7	1154.7	1154.7	1154.7	1154.7	1155.9	1157.1
177.5°	1161.8	1161.2	1160.6	1159.9	1159.5	1159.3	1159.2	1159.0	1158.9	1159.8	1160.8
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	507.7	509.0	511.8	510.9	512.1	512.8	513.4
5°	548.7	555.3	558.2	557.8	562.1	561.1	560.0
7.5°	595.0	601.9	605.8	610.6	613.4	613.7	616.1
10°	621.3	630.3	634.0	639.2	642.5	644.4	644.1
12.5°	641.3	648.5	656.7	659.2	663.7	666.1	665.2
15°	665.6	676.9	685.5	689.8	695.4	697.1	699.3
17.5°	687.2	702.3	712.4	725.9	730.9	734.1	732.2
20°	703.5	723.4	733.5	749.6	758.5	763.2	761.5
22.5°	722.7	744.4	763.0	776.9	790.4	796.8	798.2
25°	755.8	785.4	812.9	831.2	847.8	851.8	860.4
27.5°	792.7	827.7	857.0	876.3	887.9	892.2	895.0
30°	815.9	850.8	872.8	885.2	888.9	888.5	888.1
32.5°	827.3	849.1	853.4	849.9	841.4	834.2	826.7
35°	811.2	795.0	770.6	739.3	716.2	692.9	690.6
37.5°	729.6	677.5	637.0	591.8	565.8	549.7	538.5
40°	652.7	593.6	544.6	506.5	479.9	469.4	459.1
42.5°	569.4	512.8	469.4	437.6	417.6	405.9	397.8
45°	462.5	412.7	378.7	355.6	339.7	330.7	325.6
47.5°	379.1	342.1	313.3	296.6	285.7	278.7	278.7
50°	334.2	299.0	279.8	266.6	257.2	251.6	252.6
52.5°	294.4	268.1	251.8	240.8	233.7	230.3	230.2
55°	246.2	227.3	216.6	208.5	203.8	199.8	200.7
57.5°	210.6	194.7	187.4	180.7	177.5	175.9	173.6
60°	188.5	176.2	170.0	164.6	161.3	160.1	157.8
62.5°	168.9	159.2	153.2	148.8	145.9	145.4	143.7
65°	142.0	134.6	129.2	127.2	124.0	123.2	123.2
67.5°	117.0	111.7	107.5	105.7	104.3	104.5	103.5
70°	101.4	97.0	94.3	92.3	91.3	91.5	90.7
72.5°	88.7	83.8	81.5	80.3	78.9	79.5	79.1
75°	67.1	64.7	63.5	62.2	61.4	61.0	60.5
77.5°	49.3	47.2	46.2	45.5	45.7	44.6	45.4
80°	38.1	36.3	35.7	34.6	34.4	34.4	34.2
82.5°	27.9	26.8	26.4	25.6	25.1	25.5	25.0
85°	14.4	13.6	13.4	13.4	13.0	12.6	13.6
87.5°	8.7	8.3	8.5	8.4	8.6	8.5	8.3
90°	17.5	18.5	19.3	19.9	20.5	21.0	21.7
92.5°	38.7	40.0	40.8	41.3	41.7	42.2	42.6
95°	73.7	75.2	76.1	76.5	76.9	77.3	77.7
97.5°	114.8	116.1	116.8	117.1	117.3	117.6	117.8
100°	143.7	145.4	146.6	147.0	147.4	147.8	148.2
102.5°	173.1	175.0	176.3	176.8	177.5	178.0	178.5
105°	219.5	220.8	221.7	222.3	222.8	223.5	224.1
107.5°	270.0	270.5	270.9	270.8	270.8	270.7	270.7
110°	305.4	306.0	306.2	306.0	305.8	305.6	305.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	340.5	340.8	340.8	340.5	340.1	339.7	339.4
115°	394.2	394.0	393.9	393.6	393.4	393.2	393.1
117.5°	448.8	449.0	448.6	447.8	447.0	446.2	445.4
120°	485.2	485.2	484.8	484.0	483.2	482.4	481.6
122.5°	520.8	520.7	520.3	519.7	519.0	518.4	517.7
125°	573.5	573.0	572.7	572.6	572.3	572.1	571.9
127.5°	626.1	625.9	625.6	625.2	624.8	624.4	624.0
130°	660.8	660.6	660.3	659.9	659.5	659.1	658.7
132.5°	694.0	693.8	693.5	692.9	692.3	691.8	691.2
135°	745.4	745.4	745.0	744.2	743.4	742.6	741.8
137.5°	795.5	795.7	795.3	794.3	793.4	792.3	791.3
140°	827.1	827.4	827.2	826.2	825.1	824.1	823.1
142.5°	857.6	857.9	857.5	856.5	855.5	854.5	853.5
145°	901.7	901.7	901.4	900.8	900.2	899.6	899.0
147.5°	943.3	943.8	943.3	942.0	940.6	939.2	937.9
150°	968.6	968.6	968.4	968.0	967.6	967.1	966.8
152.5°	993.2	993.6	993.5	992.8	992.1	991.3	990.6
155°	1028.0	1028.8	1028.6	1027.6	1026.6	1025.6	1024.6
157.5°	1057.7	1058.5	1058.3	1056.9	1055.6	1054.3	1053.0
160°	1075.8	1076.7	1076.5	1075.5	1074.5	1073.5	1072.5
162.5°	1092.9	1093.9	1093.8	1092.6	1091.5	1090.3	1089.1
165°	1115.5	1116.3	1116.2	1115.0	1113.7	1112.6	1111.3
167.5°	1132.8	1134.1	1134.1	1132.8	1131.6	1130.3	1129.1
170°	1143.0	1144.2	1144.1	1142.6	1141.3	1139.9	1138.4
172.5°	1150.2	1151.4	1151.4	1150.1	1148.9	1147.6	1146.4
175°	1158.3	1159.6	1159.4	1158.1	1156.6	1155.2	1153.8
177.5°	1161.8	1162.7	1162.6	1161.5	1160.4	1159.3	1158.2
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0

(END OF REPORT)