

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: P333044-927

Luminaire Tested: **S124RDIW-S575D1050U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333044-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-S575D1050U927-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4815.8 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

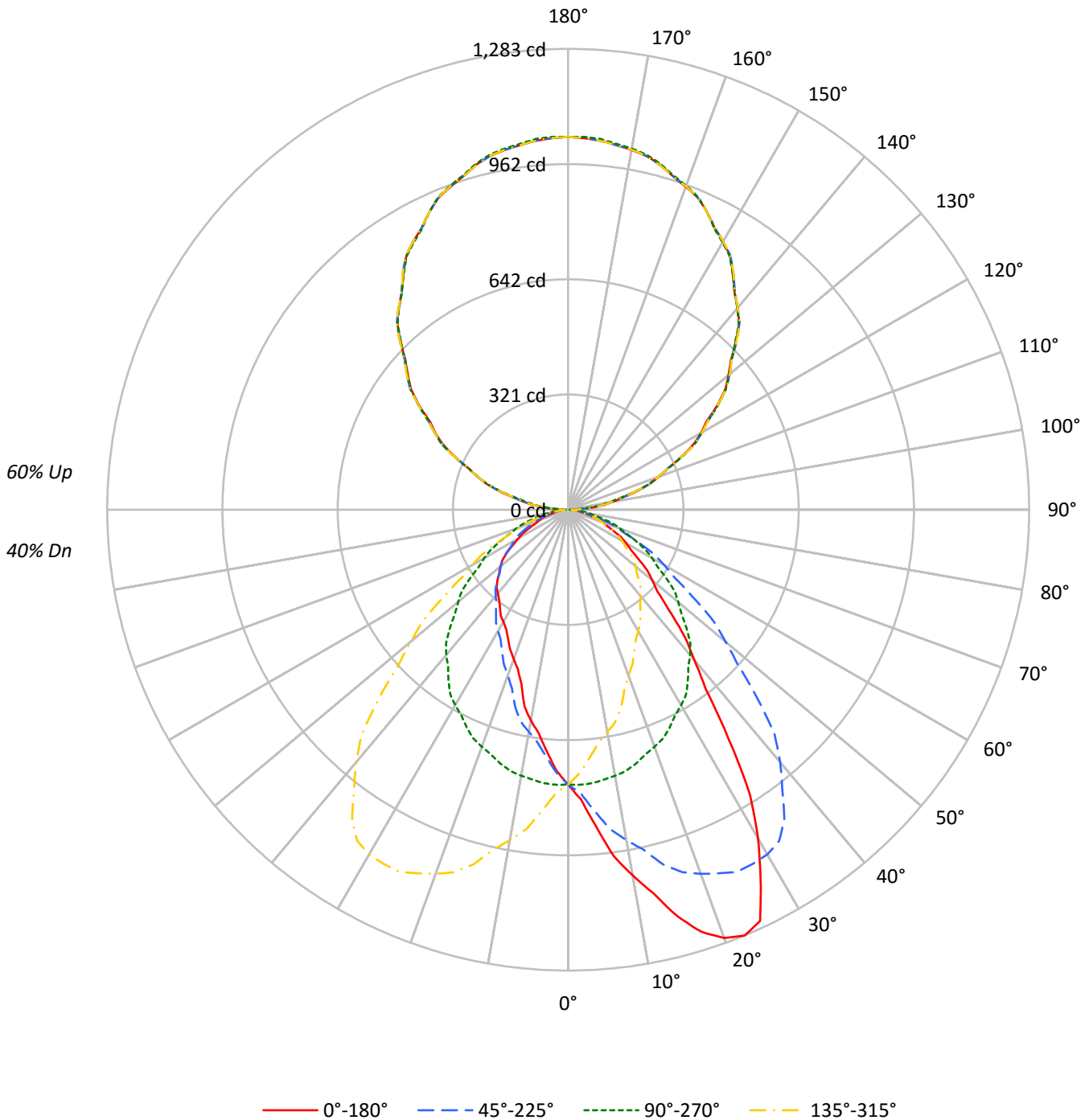
Input Watts (W): 45.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	42	41	40	35
2	88	81	75	70	80	74	69	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	59	73	65	59	54	54	49	46	43	40	38	34	32	30	25
4	73	63	56	50	67	58	51	46	48	43	39	39	35	33	30	28	26	22
5	67	56	48	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19
6	62	51	43	37	57	46	40	35	39	34	30	32	28	25	25	22	20	17
7	57	46	38	33	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	34	29	49	38	32	27	32	27	23	26	23	20	21	18	16	14
9	50	38	31	26	45	35	28	24	29	24	21	24	20	18	19	17	15	12
10	46	35	28	23	42	32	26	22	27	22	19	22	19	16	18	15	13	11

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

	0°	90°	180°	270°
0°	6176	6176	6176	6176
5°	7164	6195	5476	6195
10°	8475	6167	4887	6167
15°	9789	6110	4199	6110
20°	10899	6032	3797	6032
25°	11251	5955	3526	5955
30°	9849	5862	3361	5862
35°	7666	5723	3263	5723
40°	5750	5564	3209	5564
45°	4539	5310	3181	5310
50°	3832	5016	3090	5016
55°	3340	4694	2923	4694
60°	3006	4359	2588	4359
65°	2649	3998	2225	3998
70°	2386	3623	2009	3623
75°	1999	3213	1712	3213
80°	1692	2738	1604	2738
85°	1426	2140	1426	2140



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.1	1.5
10°-20°	223.6	4.6
20°-30°	349.7	7.3
30°-40°	388.8	8.1
40°-50°	344.9	7.2
50°-60°	268.8	5.6
60°-70°	176.0	3.7
70°-80°	86.5	1.8
80°-90°	24.5	0.5
90°-100°	68.4	1.4
100°-110°	202.7	4.2
110°-120°	344.1	7.1
120°-130°	453.7	9.4
130°-140°	509.6	10.6
140°-150°	500.8	10.4
150°-160°	421.2	8.7
160°-170°	280.2	5.8
170°-180°	98.1	2.0
0°-30°	647.4	13.4
0°-40°	1036.2	21.5
0°-60°	1649.9	34.3
0°-90°	1936.9	40.2
90°-120°	615.3	12.8
90°-150°	2079.4	43.2
90°-180°	2879.0	59.8
0°-180°	4815.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	765	765	765	765	765	
5°	884	764	676	764	884	89
15°	1171	731	502	731	1171	333
25°	1263	668	396	668	1263	560
35°	778	581	331	581	778	488
45°	398	465	279	465	398	315
55°	237	334	208	334	237	216
65°	139	209	116	209	139	140
75°	64	103	55	103	64	71
85°	15	23	15	23	15	18
90°	24	2	24	2	24	13
95°	63	48	63	48	63	66
105°	196	187	196	187	196	206
115°	347	350	347	350	347	343
125°	506	510	506	510	506	451
135°	658	657	658	657	658	508
145°	799	798	799	798	799	500
155°	914	915	914	915	914	421
165°	994	996	994	996	994	280
175°	1031	1036	1031	1036	1031	98
180°	1038	1038	1038	1038	1038	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	806.9	809.1	806.9	806.7	804.2	803.5	802.5	799.3	793.4	789.9	790.7
5°	884.0	891.7	887.4	886.8	880.0	873.2	868.9	859.0	848.5	841.5	835.6
7.5°	973.1	977.6	974.9	970.5	959.6	953.3	943.3	930.3	911.6	897.1	884.1
10°	1033.8	1037.4	1036.3	1028.3	1020.3	1003.9	994.7	976.4	952.7	933.9	916.3
12.5°	1093.4	1097.4	1086.6	1087.0	1071.7	1058.8	1044.2	1021.4	993.9	969.6	947.7
15°	1171.2	1166.3	1166.3	1160.2	1143.2	1125.3	1110.2	1086.2	1051.6	1022.7	992.2
17.5°	1232.2	1233.9	1231.4	1216.8	1203.5	1185.0	1157.3	1129.3	1097.2	1058.3	1027.1
20°	1268.7	1268.7	1265.9	1256.0	1238.7	1219.0	1189.1	1158.6	1117.9	1078.8	1043.6
22.5°	1283.4	1284.4	1281.2	1273.0	1257.5	1238.3	1212.8	1181.8	1139.9	1095.8	1052.3
25°	1263.1	1268.9	1269.6	1267.4	1262.8	1251.1	1229.2	1197.5	1159.8	1112.1	1065.2
27.5°	1159.7	1167.0	1173.5	1184.2	1198.3	1205.8	1206.7	1190.6	1157.8	1111.8	1064.7
30°	1056.6	1062.7	1082.8	1109.0	1129.3	1147.8	1163.9	1168.2	1149.7	1108.3	1058.8
32.5°	942.1	950.5	970.6	998.8	1032.7	1064.0	1100.0	1118.3	1117.8	1093.1	1047.2
35°	777.9	784.1	802.6	832.2	872.9	919.4	976.4	1020.8	1051.1	1048.8	1020.8
37.5°	627.4	634.4	653.1	677.6	717.1	774.7	829.9	891.0	946.9	978.3	968.8
40°	545.6	545.9	564.0	589.3	626.3	676.5	736.7	804.5	866.7	917.6	927.4
42.5°	480.9	481.0	493.1	520.3	546.9	594.2	651.6	718.9	791.8	850.5	876.6
45°	397.6	400.4	410.3	426.6	447.5	487.6	533.5	596.1	677.8	747.4	790.9
47.5°	336.7	340.8	347.1	360.4	377.1	403.8	441.7	498.0	564.4	641.0	702.9
50°	305.1	305.8	313.8	321.2	335.6	357.0	390.2	437.0	498.1	571.7	640.5
52.5°	278.1	277.9	282.7	292.1	303.9	320.4	347.3	390.0	444.1	510.1	581.1
55°	237.3	238.8	242.6	249.9	258.9	270.6	291.9	323.9	366.5	422.9	487.3
57.5°	206.4	207.2	210.1	213.3	221.4	230.0	245.9	268.2	304.0	350.2	410.3
60°	186.2	186.5	187.4	192.0	198.5	206.5	217.3	236.1	266.3	308.6	356.0
62.5°	166.4	167.0	168.4	171.8	176.8	182.4	193.6	208.7	233.8	269.8	312.6
65°	138.7	139.0	141.2	142.4	146.4	151.3	159.6	169.8	187.1	217.3	249.7
67.5°	115.9	115.9	116.0	117.7	120.5	123.7	128.7	136.9	149.9	168.4	196.9
70°	101.1	101.1	101.7	102.7	104.2	106.9	109.7	115.9	125.5	140.5	162.4
72.5°	87.3	87.5	88.2	88.3	89.1	91.4	93.5	97.4	104.5	115.9	133.6
75°	64.1	65.0	66.5	67.8	69.3	69.1	71.2	73.7	75.8	82.6	92.8
77.5°	47.7	47.2	47.4	48.5	48.6	49.0	50.5	52.4	54.0	57.2	60.8
80°	36.4	36.4	37.3	37.6	37.3	37.6	39.1	40.1	40.7	41.9	45.3
82.5°	27.5	28.0	27.6	28.0	28.2	28.5	29.8	29.9	30.6	31.1	32.5
85°	15.4	15.7	16.0	15.4	15.4	15.4	16.0	16.3	17.0	16.6	17.3
87.5°	10.2	9.9	10.1	10.1	10.2	9.8	9.8	10.1	9.4	9.4	9.2
90°	24.1	23.7	23.4	23.0	22.7	21.9	20.8	19.8	18.7	17.7	16.2
92.5°	35.6	35.4	35.2	35.0	34.8	34.4	33.7	33.0	32.4	31.8	30.8
95°	63.4	63.4	63.4	63.4	63.4	63.1	62.6	62.0	61.6	61.0	59.7
97.5°	99.3	99.3	99.3	99.3	99.3	99.0	98.4	97.8	97.1	96.5	95.0
100°	124.4	124.4	124.4	124.4	124.4	124.2	123.8	123.5	123.1	122.8	121.2
102.5°	152.7	152.5	152.3	152.2	152.1	151.8	151.2	150.8	150.3	149.7	148.3
105°	195.8	195.3	194.7	194.2	193.7	193.1	192.6	192.1	191.5	191.0	190.3
107.5°	237.9	237.9	238.0	238.0	238.0	237.8	237.3	236.8	236.3	235.8	235.7
110°	268.1	267.5	267.0	266.4	265.9	265.8	266.2	266.5	266.9	267.2	267.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	298.9	298.7	298.7	298.6	298.4	298.4	298.5	298.6	298.7	298.7	299.0
115°	346.7	346.9	347.1	347.2	347.4	347.6	347.8	347.9	348.1	348.3	348.6
117.5°	392.3	392.6	393.0	393.3	393.7	394.2	394.7	395.4	396.0	396.6	396.9
120°	426.9	426.6	426.2	425.9	425.5	425.8	426.7	427.5	428.5	429.4	429.9
122.5°	455.8	456.5	457.1	457.7	458.4	459.0	459.6	460.3	460.8	461.4	461.7
125°	505.6	506.0	506.3	506.7	507.0	507.4	507.7	508.1	508.4	508.8	509.0
127.5°	551.7	551.9	552.2	552.5	552.8	553.1	553.5	553.8	554.2	554.5	554.8
130°	581.9	582.6	583.3	584.0	584.7	585.2	585.6	585.9	586.3	586.6	586.6
132.5°	613.9	614.2	614.5	614.8	615.1	615.4	615.8	616.1	616.5	616.8	617.0
135°	658.1	658.6	659.1	659.7	660.2	660.7	661.0	661.4	661.7	662.1	662.1
137.5°	704.4	704.3	704.3	704.1	704.0	704.2	704.6	705.1	705.6	706.1	705.8
140°	732.7	732.8	733.1	733.2	733.4	733.6	733.8	734.0	734.1	734.3	734.3
142.5°	761.0	761.0	761.0	761.0	761.0	761.1	761.1	761.2	761.2	761.3	761.4
145°	799.3	799.9	800.3	800.9	801.5	801.8	802.0	802.2	802.3	802.5	802.3
147.5°	838.1	838.3	838.5	838.7	838.8	839.0	839.2	839.3	839.5	839.6	839.7
150°	861.9	862.1	862.3	862.4	862.6	862.7	862.7	862.7	862.7	862.7	862.7
152.5°	883.8	884.2	884.6	885.1	885.6	885.6	885.2	884.7	884.3	883.9	883.8
155°	914.1	914.8	915.5	916.2	917.0	917.0	916.2	915.5	914.8	914.1	914.3
157.5°	941.2	941.8	942.4	943.0	943.6	943.6	943.1	942.6	942.1	941.5	941.5
160°	956.6	957.5	958.4	959.3	960.1	960.4	959.8	959.3	958.7	958.2	958.4
162.5°	972.6	973.5	974.5	975.3	976.2	976.2	975.2	974.2	973.3	972.3	972.5
165°	993.5	994.2	994.9	995.6	996.3	996.2	995.1	994.0	993.0	991.9	992.3
167.5°	1008.4	1009.6	1010.7	1011.8	1012.9	1012.9	1011.8	1010.7	1009.6	1008.6	1008.5
170°	1016.8	1018.0	1019.3	1020.6	1021.8	1021.8	1020.8	1019.7	1018.7	1017.6	1017.4
172.5°	1023.8	1025.1	1026.4	1027.6	1028.8	1028.9	1027.6	1026.4	1025.2	1024.0	1024.0
175°	1031.3	1032.5	1033.7	1035.0	1036.3	1036.3	1035.0	1033.7	1032.5	1031.3	1031.4
177.5°	1035.1	1036.3	1037.4	1038.5	1039.7	1039.7	1038.7	1037.8	1036.7	1035.7	1035.7
180°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	788.2	784.7	783.0	779.0	774.4	771.9	769.7	766.5	762.3	757.9	754.6
5°	828.2	820.8	811.5	800.4	790.6	781.0	772.7	764.4	754.9	745.0	735.1
7.5°	869.3	854.7	839.0	820.8	803.1	787.0	772.2	758.0	742.0	727.6	714.5
10°	897.9	878.1	856.3	833.1	810.0	790.0	770.2	752.3	732.6	715.1	700.3
12.5°	921.1	897.9	871.6	842.7	814.9	790.7	768.0	744.7	722.3	703.2	683.5
15°	959.5	927.7	892.3	857.8	821.7	788.8	758.2	731.1	705.5	678.7	659.9
17.5°	986.0	948.2	905.2	863.7	821.1	782.2	747.0	714.7	685.2	657.8	635.4
20°	1001.7	960.1	912.4	865.1	817.4	775.8	737.9	702.1	671.6	642.1	618.9
22.5°	1010.6	964.6	912.4	862.9	813.5	768.4	726.8	689.6	656.3	626.8	601.2
25°	1013.4	964.1	910.8	854.1	799.9	752.1	708.9	668.5	631.5	602.0	574.8
27.5°	1009.5	951.4	896.8	838.6	782.7	732.3	687.0	644.5	607.5	575.8	548.0
30°	1003.5	941.4	882.7	822.4	765.6	717.2	669.5	628.8	590.3	557.3	529.3
32.5°	990.8	929.0	866.0	804.1	746.6	696.8	651.5	610.5	572.7	539.0	509.2
35°	965.4	902.8	834.3	770.9	714.5	662.7	620.1	580.7	544.6	508.6	477.1
37.5°	931.8	868.0	799.9	730.4	673.9	625.0	586.0	549.0	513.7	480.9	446.0
40°	900.3	842.1	771.8	702.7	644.8	597.6	561.6	528.0	492.6	459.9	425.0
42.5°	862.1	812.5	741.5	672.2	615.0	569.5	535.9	503.1	470.9	439.2	402.8
45°	798.3	760.7	694.1	627.6	569.9	524.9	494.1	465.1	436.7	406.5	372.3
47.5°	725.2	699.7	642.3	574.1	520.8	480.3	450.5	426.8	402.8	372.6	342.6
50°	674.4	658.1	602.6	540.3	489.5	452.2	421.7	399.4	379.5	350.5	323.6
52.5°	620.1	611.5	564.6	505.0	455.9	419.4	393.3	373.4	353.1	329.0	303.9
55°	537.6	542.2	502.4	450.9	404.7	373.9	350.1	333.5	316.2	295.9	276.5
57.5°	453.0	470.0	443.3	398.1	354.7	326.3	308.4	294.4	280.0	263.0	246.4
60°	402.5	416.7	401.6	361.9	323.9	297.5	280.8	270.0	255.5	240.1	227.4
62.5°	353.2	368.4	359.4	327.3	292.2	269.3	254.7	244.6	233.9	220.4	207.2
65°	291.3	301.1	296.8	274.6	249.7	230.2	216.7	209.3	199.4	189.6	177.8
67.5°	223.1	242.2	239.6	227.8	206.3	191.1	182.2	175.7	166.7	159.4	151.4
70°	183.4	201.0	200.7	191.1	179.4	165.2	159.1	153.5	145.4	138.4	131.9
72.5°	150.1	166.2	168.6	161.3	153.3	142.5	136.6	132.8	125.0	120.2	114.9
75°	105.1	116.8	119.9	119.9	116.2	110.7	105.4	103.0	97.4	93.1	90.0
77.5°	68.9	76.3	81.1	82.2	82.8	81.0	76.6	74.9	70.7	69.1	66.1
80°	48.7	53.6	59.2	61.0	62.6	61.9	60.1	58.9	54.9	53.3	52.1
82.5°	33.7	36.4	41.0	45.0	44.6	46.2	44.6	43.6	40.6	40.0	38.7
85°	17.6	17.9	18.5	21.2	22.8	23.4	23.8	23.1	22.2	22.2	20.0
87.5°	8.9	8.3	8.6	8.2	8.1	8.6	9.0	8.9	8.6	8.2	7.8
90°	14.8	13.4	12.0	10.2	8.3	6.3	4.4	2.4	4.4	6.3	8.3
92.5°	29.8	28.8	27.8	26.1	23.9	21.7	19.4	17.2	19.4	21.7	23.9
95°	58.5	57.3	56.0	54.6	53.0	51.3	49.7	48.2	49.7	51.3	53.0
97.5°	93.6	92.1	90.6	89.3	87.9	86.7	85.4	84.1	85.4	86.7	87.9
100°	119.5	118.0	116.4	115.2	114.5	113.8	113.0	112.3	113.0	113.8	114.5
102.5°	146.8	145.4	143.9	143.0	142.8	142.4	142.2	141.9	142.2	142.4	142.8
105°	189.6	188.9	188.1	187.7	187.5	187.4	187.2	187.0	187.2	187.4	187.5
107.5°	235.6	235.4	235.4	235.2	235.0	234.7	234.6	234.3	234.6	234.7	235.0
110°	267.6	267.8	267.9	267.8	267.5	267.1	266.8	266.4	266.8	267.1	267.5





TEST NUMBER: P333044-927

CATALOG NUMBER: S124RDIW-S575D1050U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	299.4	299.7	300.0	300.1	300.0	300.0	299.9	299.8	299.9	300.0	300.0
115°	349.0	349.4	349.7	349.9	349.9	349.9	349.9	349.9	349.9	349.9	349.9
117.5°	397.1	397.4	397.6	397.7	397.5	397.4	397.2	397.1	397.2	397.4	397.5
120°	430.4	430.9	431.5	431.4	430.7	430.0	429.3	428.6	429.3	430.0	430.7
122.5°	461.9	462.2	462.5	462.4	462.2	461.8	461.6	461.3	461.6	461.8	462.2
125°	509.1	509.3	509.5	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
127.5°	555.1	555.4	555.7	555.6	555.0	554.4	554.0	553.4	554.0	554.4	555.0
130°	586.6	586.6	586.6	586.4	585.8	585.3	584.8	584.2	584.8	585.3	585.8
132.5°	617.1	617.3	617.3	617.3	616.9	616.5	616.1	615.7	616.1	616.5	616.9
135°	662.1	662.1	662.1	661.6	660.4	659.4	658.3	657.3	658.3	659.4	660.4
137.5°	705.5	705.2	704.9	704.5	704.0	703.5	703.0	702.5	703.0	703.5	704.0
140°	734.3	734.3	734.3	734.1	733.8	733.4	733.1	732.7	733.1	733.4	733.8
142.5°	761.5	761.7	761.8	761.8	761.4	761.0	760.7	760.3	760.7	761.0	761.4
145°	802.2	802.0	801.8	801.4	800.7	799.9	799.2	798.5	799.2	799.9	800.7
147.5°	839.9	840.0	840.2	839.8	838.9	838.1	837.3	836.4	837.3	838.1	838.9
150°	862.7	862.7	862.7	862.4	861.7	860.9	860.2	859.5	860.2	860.9	861.7
152.5°	883.6	883.4	883.3	883.0	882.6	882.2	881.8	881.3	881.8	882.2	882.6
155°	914.4	914.6	914.8	914.9	914.9	914.9	914.9	914.9	914.9	914.9	914.9
157.5°	941.6	941.6	941.7	941.8	942.1	942.5	942.8	943.1	942.8	942.5	942.1
160°	958.5	958.7	958.9	959.1	959.3	959.4	959.6	959.8	959.6	959.4	959.3
162.5°	972.7	972.9	973.0	973.4	973.8	974.3	974.8	975.2	974.8	974.3	973.8
165°	992.6	993.0	993.3	993.8	994.3	994.8	995.4	995.9	995.4	994.8	994.3
167.5°	1008.5	1008.5	1008.4	1008.8	1009.6	1010.3	1011.1	1011.8	1011.1	1010.3	1009.6
170°	1017.2	1017.1	1016.8	1017.2	1018.1	1019.0	1019.9	1020.8	1019.9	1019.0	1018.1
172.5°	1024.0	1023.9	1023.9	1024.2	1025.0	1025.7	1026.4	1027.2	1026.4	1025.7	1025.0
175°	1031.6	1031.7	1032.0	1032.5	1033.4	1034.3	1035.1	1036.0	1035.1	1034.3	1033.4
177.5°	1035.7	1035.7	1035.7	1036.1	1036.8	1037.5	1038.2	1038.9	1038.2	1037.5	1036.8
180°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7



TEST NUMBER: P333044-927

CATALOG NUMBER: S124RDIW-S575D1050U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	751.2	748.8	745.5	741.8	737.4	733.5	731.7	733.2	734.0	732.0	731.7
5°	728.3	720.6	714.5	705.2	697.8	691.7	687.3	685.5	686.1	681.2	679.9
7.5°	702.6	693.5	683.4	672.4	662.2	653.2	648.4	645.8	640.6	638.3	634.5
10°	686.1	673.8	663.9	650.9	639.3	628.4	623.2	618.9	613.7	611.2	605.9
12.5°	669.1	654.8	644.0	630.5	618.5	605.5	600.6	592.6	584.3	579.2	572.4
15°	645.1	627.9	614.6	598.6	584.4	569.6	556.3	541.5	536.0	524.3	517.5
17.5°	617.0	599.5	583.1	561.7	539.8	521.4	507.2	493.1	484.6	477.1	473.6
20°	598.6	582.6	559.8	534.8	510.4	490.0	478.6	469.4	460.2	455.0	451.2
22.5°	581.1	560.6	534.1	507.2	482.8	466.9	457.2	447.7	440.2	435.2	430.3
25°	551.8	524.9	496.9	466.0	449.4	435.5	425.0	417.3	412.7	406.2	403.8
27.5°	521.6	489.1	458.1	437.4	420.1	407.4	398.3	392.5	386.7	382.5	379.3
30°	498.4	465.4	437.7	418.0	400.4	389.9	382.5	375.7	371.1	367.7	365.3
32.5°	475.5	442.5	419.1	398.0	384.1	373.9	366.0	360.9	357.3	352.9	351.4
35°	442.3	413.0	392.7	373.6	359.4	350.1	344.0	338.7	335.6	334.5	333.5
37.5°	410.4	386.4	364.6	348.9	336.3	329.0	321.7	319.2	317.0	314.8	315.8
40°	390.2	367.7	348.3	331.7	321.5	313.5	309.1	306.1	304.2	304.2	304.2
42.5°	372.7	350.7	331.8	316.9	306.7	299.9	295.1	292.5	291.9	291.6	293.1
45°	345.5	325.2	306.1	293.7	285.1	278.3	275.5	273.4	273.4	274.6	275.0
47.5°	318.6	299.5	284.2	270.4	262.4	258.3	255.8	254.7	254.8	256.0	257.5
50°	302.1	283.3	268.2	255.8	248.4	244.4	242.2	241.6	242.2	242.2	244.4
52.5°	284.1	267.2	252.4	242.0	233.6	229.9	228.7	227.8	228.2	229.2	230.1
55°	257.7	242.6	228.4	218.6	212.4	209.9	207.2	207.5	206.8	207.5	207.5
57.5°	231.2	217.7	204.5	196.6	191.2	187.7	184.7	185.4	184.6	184.4	183.9
60°	214.2	199.4	188.9	181.9	175.7	172.6	169.8	170.5	169.5	168.9	167.7
62.5°	195.7	183.4	173.4	166.6	161.6	158.0	155.3	154.6	152.5	150.4	147.7
65°	168.9	158.8	149.8	143.3	138.7	135.9	133.8	131.9	127.3	122.4	119.9
67.5°	142.8	135.5	127.1	121.7	118.0	114.3	110.2	107.0	102.7	100.0	98.5
70°	126.0	119.0	111.9	106.6	102.7	99.3	94.6	92.4	89.4	88.2	86.6
72.5°	110.0	103.5	96.8	92.1	87.9	85.2	81.6	79.4	78.0	77.6	76.0
75°	85.7	80.5	75.5	71.2	67.8	66.0	64.4	62.9	62.3	59.5	57.9
77.5°	62.5	59.0	56.0	52.9	50.5	49.3	46.3	44.5	43.5	42.1	41.8
80°	48.7	46.3	43.2	41.3	37.9	36.7	35.4	35.2	34.9	34.5	34.2
82.5°	36.6	34.1	31.1	29.9	29.1	28.3	27.6	27.3	26.9	27.1	27.1
85°	18.5	17.3	17.3	17.0	16.6	16.3	16.0	16.0	15.7	16.0	15.7
87.5°	8.2	8.3	8.6	8.4	9.0	9.2	9.2	9.3	9.8	9.6	9.7
90°	10.2	12.0	13.4	14.8	16.2	17.7	18.7	19.8	20.8	21.9	22.7
92.5°	26.1	27.8	28.8	29.8	30.8	31.8	32.4	33.0	33.7	34.4	34.8
95°	54.6	56.0	57.3	58.5	59.7	61.0	61.6	62.0	62.6	63.1	63.4
97.5°	89.3	90.6	92.1	93.6	95.0	96.5	97.1	97.8	98.4	99.0	99.3
100°	115.2	116.4	118.0	119.5	121.2	122.8	123.1	123.5	123.8	124.2	124.4
102.5°	143.0	143.9	145.4	146.8	148.3	149.7	150.3	150.8	151.2	151.8	152.1
105°	187.7	188.1	188.9	189.6	190.3	191.0	191.5	192.1	192.6	193.1	193.7
107.5°	235.2	235.4	235.4	235.6	235.7	235.8	236.3	236.8	237.3	237.8	238.0
110°	267.8	267.9	267.8	267.6	267.4	267.2	266.9	266.5	266.2	265.8	265.9



TEST NUMBER: P333044-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	300.1	300.0	299.7	299.4	299.0	298.7	298.7	298.6	298.5	298.4	298.4
115°	349.9	349.7	349.4	349.0	348.6	348.3	348.1	347.9	347.8	347.6	347.4
117.5°	397.7	397.6	397.4	397.1	396.9	396.6	396.0	395.4	394.7	394.2	393.7
120°	431.4	431.5	430.9	430.4	429.9	429.4	428.5	427.5	426.7	425.8	425.5
122.5°	462.4	462.5	462.2	461.9	461.7	461.4	460.8	460.3	459.6	459.0	458.4
125°	509.6	509.5	509.3	509.1	509.0	508.8	508.4	508.1	507.7	507.4	507.0
127.5°	555.6	555.7	555.4	555.1	554.8	554.5	554.2	553.8	553.5	553.1	552.8
130°	586.4	586.6	586.6	586.6	586.6	586.6	586.3	585.9	585.6	585.2	584.7
132.5°	617.3	617.3	617.3	617.1	617.0	616.8	616.5	616.1	615.8	615.4	615.1
135°	661.6	662.1	662.1	662.1	662.1	662.1	661.7	661.4	661.0	660.7	660.2
137.5°	704.5	704.9	705.2	705.5	705.8	706.1	705.6	705.1	704.6	704.2	704.0
140°	734.1	734.3	734.3	734.3	734.3	734.3	734.1	734.0	733.8	733.6	733.4
142.5°	761.8	761.8	761.7	761.5	761.4	761.3	761.2	761.2	761.1	761.1	761.0
145°	801.4	801.8	802.0	802.2	802.3	802.5	802.3	802.2	802.0	801.8	801.5
147.5°	839.8	840.2	840.0	839.9	839.7	839.6	839.5	839.3	839.2	839.0	838.8
150°	862.4	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.6
152.5°	883.0	883.3	883.4	883.6	883.8	883.9	884.3	884.7	885.2	885.6	885.6
155°	914.9	914.8	914.6	914.4	914.3	914.1	914.8	915.5	916.2	917.0	917.0
157.5°	941.8	941.7	941.6	941.6	941.5	941.5	942.1	942.6	943.1	943.6	943.6
160°	959.1	958.9	958.7	958.5	958.4	958.2	958.7	959.3	959.8	960.4	960.1
162.5°	973.4	973.0	972.9	972.7	972.5	972.3	973.3	974.2	975.2	976.2	976.2
165°	993.8	993.3	993.0	992.6	992.3	991.9	993.0	994.0	995.1	996.2	996.3
167.5°	1008.8	1008.4	1008.5	1008.5	1008.5	1008.6	1009.6	1010.7	1011.8	1012.9	1012.9
170°	1017.2	1016.8	1017.1	1017.2	1017.4	1017.6	1018.7	1019.7	1020.8	1021.8	1021.8
172.5°	1024.2	1023.9	1023.9	1024.0	1024.0	1024.0	1025.2	1026.4	1027.6	1028.9	1028.8
175°	1032.5	1032.0	1031.7	1031.6	1031.4	1031.3	1032.5	1033.7	1035.0	1036.3	1036.3
177.5°	1036.1	1035.7	1035.7	1035.7	1035.7	1035.7	1036.7	1037.8	1038.7	1039.7	1039.7
180°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7



TEST NUMBER: P333044-927

CATALOG NUMBER: S124RDIW-S575D1050U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	730.2	730.7	729.0	728.5	729.0	730.7	730.2	731.7	732.0	734.0	733.2
5°	677.5	676.8	675.3	675.7	675.3	676.8	677.5	679.9	681.2	686.1	685.5
7.5°	632.3	629.9	630.7	628.1	630.7	629.9	632.3	634.5	638.3	640.6	645.8
10°	604.8	601.3	598.6	596.1	598.6	601.3	604.8	605.9	611.2	613.7	618.9
12.5°	567.0	564.1	560.3	561.1	560.3	564.1	567.0	572.4	579.2	584.3	592.6
15°	513.5	508.9	501.5	502.4	501.5	508.9	513.5	517.5	524.3	536.0	541.5
17.5°	468.2	468.3	464.9	465.6	464.9	468.3	468.2	473.6	477.1	484.6	493.1
20°	444.7	442.6	442.9	442.0	442.9	442.6	444.7	451.2	455.0	460.2	469.4
22.5°	428.5	425.9	423.7	421.8	423.7	425.9	428.5	430.3	435.2	440.2	447.7
25°	401.0	399.2	396.4	395.8	396.4	399.2	401.0	403.8	406.2	412.7	417.3
27.5°	376.8	376.4	375.3	373.9	375.3	376.4	376.8	379.3	382.5	386.7	392.5
30°	362.7	362.2	361.6	360.6	361.6	362.2	362.7	365.3	367.7	371.1	375.7
32.5°	350.2	349.8	349.2	349.3	349.2	349.8	350.2	351.4	352.9	357.3	360.9
35°	332.2	331.9	331.4	331.1	331.4	331.9	332.2	333.5	334.5	335.6	338.7
37.5°	315.5	316.3	315.9	315.8	315.9	316.3	315.5	315.8	314.8	317.0	319.2
40°	303.9	304.2	304.8	304.5	304.8	304.2	303.9	304.2	304.2	304.2	306.1
42.5°	294.3	294.4	295.2	294.1	295.2	294.4	294.3	293.1	291.6	291.9	292.5
45°	277.1	278.9	278.6	278.6	278.6	278.9	277.1	275.0	274.6	273.4	273.4
47.5°	258.3	259.9	260.3	260.2	260.3	259.9	258.3	257.5	256.0	254.8	254.7
50°	246.0	245.3	246.3	246.0	246.3	245.3	246.0	244.4	242.2	242.2	241.6
52.5°	230.9	231.1	231.0	230.7	231.0	231.1	230.9	230.1	229.2	228.2	227.8
55°	207.7	208.0	207.5	207.7	207.5	208.0	207.7	207.5	207.5	206.8	207.5
57.5°	182.6	181.1	181.7	181.0	181.7	181.1	182.6	183.9	184.4	184.6	185.4
60°	164.6	162.2	161.5	160.3	161.5	162.2	164.6	167.7	168.9	169.5	170.5
62.5°	144.3	142.7	140.5	141.6	140.5	142.7	144.3	147.7	150.4	152.5	154.6
65°	117.4	116.2	115.3	116.5	115.3	116.2	117.4	119.9	122.4	127.3	131.9
67.5°	97.2	96.6	96.6	95.9	96.6	96.6	97.2	98.5	100.0	102.7	107.0
70°	86.6	85.7	85.7	85.1	85.7	85.7	86.6	86.6	88.2	89.4	92.4
72.5°	75.7	74.9	75.1	74.7	75.1	74.9	75.7	76.0	77.6	78.0	79.4
75°	56.1	54.6	54.6	54.9	54.6	54.6	56.1	57.9	59.5	62.3	62.9
77.5°	41.8	41.5	42.0	41.4	42.0	41.5	41.8	41.8	42.1	43.5	44.5
80°	34.2	33.9	33.6	34.5	33.6	33.9	34.2	34.2	34.5	34.9	35.2
82.5°	26.5	26.5	26.5	27.6	26.5	26.5	26.5	27.1	27.1	26.9	27.3
85°	16.0	15.4	16.0	15.4	16.0	15.4	16.0	15.7	16.0	15.7	16.0
87.5°	10.3	10.1	9.9	10.2	9.9	10.1	10.3	9.7	9.6	9.8	9.3
90°	23.0	23.4	23.7	24.1	23.7	23.4	23.0	22.7	21.9	20.8	19.8
92.5°	35.0	35.2	35.4	35.6	35.4	35.2	35.0	34.8	34.4	33.7	33.0
95°	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.1	62.6	62.0
97.5°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.0	98.4	97.8
100°	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.2	123.8	123.5
102.5°	152.2	152.3	152.5	152.7	152.5	152.3	152.2	152.1	151.8	151.2	150.8
105°	194.2	194.7	195.3	195.8	195.3	194.7	194.2	193.7	193.1	192.6	192.1
107.5°	238.0	238.0	237.9	237.9	237.9	238.0	238.0	238.0	237.8	237.3	236.8
110°	266.4	267.0	267.5	268.1	267.5	267.0	266.4	265.9	265.8	266.2	266.5



TEST NUMBER: P333044-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	298.6	298.7	298.7	298.9	298.7	298.7	298.6	298.4	298.4	298.5	298.6
115°	347.2	347.1	346.9	346.7	346.9	347.1	347.2	347.4	347.6	347.8	347.9
117.5°	393.3	393.0	392.6	392.3	392.6	393.0	393.3	393.7	394.2	394.7	395.4
120°	425.9	426.2	426.6	426.9	426.6	426.2	425.9	425.5	425.8	426.7	427.5
122.5°	457.7	457.1	456.5	455.8	456.5	457.1	457.7	458.4	459.0	459.6	460.3
125°	506.7	506.3	506.0	505.6	506.0	506.3	506.7	507.0	507.4	507.7	508.1
127.5°	552.5	552.2	551.9	551.7	551.9	552.2	552.5	552.8	553.1	553.5	553.8
130°	584.0	583.3	582.6	581.9	582.6	583.3	584.0	584.7	585.2	585.6	585.9
132.5°	614.8	614.5	614.2	613.9	614.2	614.5	614.8	615.1	615.4	615.8	616.1
135°	659.7	659.1	658.6	658.1	658.6	659.1	659.7	660.2	660.7	661.0	661.4
137.5°	704.1	704.3	704.3	704.4	704.3	704.3	704.1	704.0	704.2	704.6	705.1
140°	733.2	733.1	732.8	732.7	732.8	733.1	733.2	733.4	733.6	733.8	734.0
142.5°	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.1	761.1	761.2
145°	800.9	800.3	799.9	799.3	799.9	800.3	800.9	801.5	801.8	802.0	802.2
147.5°	838.7	838.5	838.3	838.1	838.3	838.5	838.7	838.8	839.0	839.2	839.3
150°	862.4	862.3	862.1	861.9	862.1	862.3	862.4	862.6	862.7	862.7	862.7
152.5°	885.1	884.6	884.2	883.8	884.2	884.6	885.1	885.6	885.6	885.2	884.7
155°	916.2	915.5	914.8	914.1	914.8	915.5	916.2	917.0	917.0	916.2	915.5
157.5°	943.0	942.4	941.8	941.2	941.8	942.4	943.0	943.6	943.6	943.1	942.6
160°	959.3	958.4	957.5	956.6	957.5	958.4	959.3	960.1	960.4	959.8	959.3
162.5°	975.3	974.5	973.5	972.6	973.5	974.5	975.3	976.2	976.2	975.2	974.2
165°	995.6	994.9	994.2	993.5	994.2	994.9	995.6	996.3	996.2	995.1	994.0
167.5°	1011.8	1010.7	1009.6	1008.4	1009.6	1010.7	1011.8	1012.9	1012.9	1011.8	1010.7
170°	1020.6	1019.3	1018.0	1016.8	1018.0	1019.3	1020.6	1021.8	1021.8	1020.8	1019.7
172.5°	1027.6	1026.4	1025.1	1023.8	1025.1	1026.4	1027.6	1028.8	1028.9	1027.6	1026.4
175°	1035.0	1033.7	1032.5	1031.3	1032.5	1033.7	1035.0	1036.3	1036.3	1035.0	1033.7
177.5°	1038.5	1037.4	1036.3	1035.1	1036.3	1037.4	1038.5	1039.7	1039.7	1038.7	1037.8
180°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7



TEST NUMBER: P333044-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	731.7	733.5	737.4	741.8	745.5	748.8	751.2	754.6	757.9	762.3	766.5
5°	687.3	691.7	697.8	705.2	714.5	720.6	728.3	735.1	745.0	754.9	764.4
7.5°	648.4	653.2	662.2	672.4	683.4	693.5	702.6	714.5	727.6	742.0	758.0
10°	623.2	628.4	639.3	650.9	663.9	673.8	686.1	700.3	715.1	732.6	752.3
12.5°	600.6	605.5	618.5	630.5	644.0	654.8	669.1	683.5	703.2	722.3	744.7
15°	556.3	569.6	584.4	598.6	614.6	627.9	645.1	659.9	678.7	705.5	731.1
17.5°	507.2	521.4	539.8	561.7	583.1	599.5	617.0	635.4	657.8	685.2	714.7
20°	478.6	490.0	510.4	534.8	559.8	582.6	598.6	618.9	642.1	671.6	702.1
22.5°	457.2	466.9	482.8	507.2	534.1	560.6	581.1	601.2	626.8	656.3	689.6
25°	425.0	435.5	449.4	466.0	496.9	524.9	551.8	574.8	602.0	631.5	668.5
27.5°	398.3	407.4	420.1	437.4	458.1	489.1	521.6	548.0	575.8	607.5	644.5
30°	382.5	389.9	400.4	418.0	437.7	465.4	498.4	529.3	557.3	590.3	628.8
32.5°	366.0	373.9	384.1	398.0	419.1	442.5	475.5	509.2	539.0	572.7	610.5
35°	344.0	350.1	359.4	373.6	392.7	413.0	442.3	477.1	508.6	544.6	580.7
37.5°	321.7	329.0	336.3	348.9	364.6	386.4	410.4	446.0	480.9	513.7	549.0
40°	309.1	313.5	321.5	331.7	348.3	367.7	390.2	425.0	459.9	492.6	528.0
42.5°	295.1	299.9	306.7	316.9	331.8	350.7	372.7	402.8	439.2	470.9	503.1
45°	275.5	278.3	285.1	293.7	306.1	325.2	345.5	372.3	406.5	436.7	465.1
47.5°	255.8	258.3	262.4	270.4	284.2	299.5	318.6	342.6	372.6	402.8	426.8
50°	242.2	244.4	248.4	255.8	268.2	283.3	302.1	323.6	350.5	379.5	399.4
52.5°	228.7	229.9	233.6	242.0	252.4	267.2	284.1	303.9	329.0	353.1	373.4
55°	207.2	209.9	212.4	218.6	228.4	242.6	257.7	276.5	295.9	316.2	333.5
57.5°	184.7	187.7	191.2	196.6	204.5	217.7	231.2	246.4	263.0	280.0	294.4
60°	169.8	172.6	175.7	181.9	188.9	199.4	214.2	227.4	240.1	255.5	270.0
62.5°	155.3	158.0	161.6	166.6	173.4	183.4	195.7	207.2	220.4	233.9	244.6
65°	133.8	135.9	138.7	143.3	149.8	158.8	168.9	177.8	189.6	199.4	209.3
67.5°	110.2	114.3	118.0	121.7	127.1	135.5	142.8	151.4	159.4	166.7	175.7
70°	94.6	99.3	102.7	106.6	111.9	119.0	126.0	131.9	138.4	145.4	153.5
72.5°	81.6	85.2	87.9	92.1	96.8	103.5	110.0	114.9	120.2	125.0	132.8
75°	64.4	66.0	67.8	71.2	75.5	80.5	85.7	90.0	93.1	97.4	103.0
77.5°	46.3	49.3	50.5	52.9	56.0	59.0	62.5	66.1	69.1	70.7	74.9
80°	35.4	36.7	37.9	41.3	43.2	46.3	48.7	52.1	53.3	54.9	58.9
82.5°	27.6	28.3	29.1	29.9	31.1	34.1	36.6	38.7	40.0	40.6	43.6
85°	16.0	16.3	16.6	17.0	17.3	17.3	18.5	20.0	22.2	22.2	23.1
87.5°	9.2	9.2	9.0	8.4	8.6	8.3	8.2	7.8	8.2	8.6	8.9
90°	18.7	17.7	16.2	14.8	13.4	12.0	10.2	8.3	6.3	4.4	2.4
92.5°	32.4	31.8	30.8	29.8	28.8	27.8	26.1	23.9	21.7	19.4	17.2
95°	61.6	61.0	59.7	58.5	57.3	56.0	54.6	53.0	51.3	49.7	48.2
97.5°	97.1	96.5	95.0	93.6	92.1	90.6	89.3	87.9	86.7	85.4	84.1
100°	123.1	122.8	121.2	119.5	118.0	116.4	115.2	114.5	113.8	113.0	112.3
102.5°	150.3	149.7	148.3	146.8	145.4	143.9	143.0	142.8	142.4	142.2	141.9
105°	191.5	191.0	190.3	189.6	188.9	188.1	187.7	187.5	187.4	187.2	187.0
107.5°	236.3	235.8	235.7	235.6	235.4	235.4	235.2	235.0	234.7	234.6	234.3
110°	266.9	267.2	267.4	267.6	267.8	267.9	267.8	267.5	267.1	266.8	266.4



TEST NUMBER: P333044-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	298.7	298.7	299.0	299.4	299.7	300.0	300.1	300.0	300.0	299.9	299.8
115°	348.1	348.3	348.6	349.0	349.4	349.7	349.9	349.9	349.9	349.9	349.9
117.5°	396.0	396.6	396.9	397.1	397.4	397.6	397.7	397.5	397.4	397.2	397.1
120°	428.5	429.4	429.9	430.4	430.9	431.5	431.4	430.7	430.0	429.3	428.6
122.5°	460.8	461.4	461.7	461.9	462.2	462.5	462.4	462.2	461.8	461.6	461.3
125°	508.4	508.8	509.0	509.1	509.3	509.5	509.6	509.6	509.6	509.6	509.6
127.5°	554.2	554.5	554.8	555.1	555.4	555.7	555.6	555.0	554.4	554.0	553.4
130°	586.3	586.6	586.6	586.6	586.6	586.6	586.4	585.8	585.3	584.8	584.2
132.5°	616.5	616.8	617.0	617.1	617.3	617.3	617.3	616.9	616.5	616.1	615.7
135°	661.7	662.1	662.1	662.1	662.1	662.1	661.6	660.4	659.4	658.3	657.3
137.5°	705.6	706.1	705.8	705.5	705.2	704.9	704.5	704.0	703.5	703.0	702.5
140°	734.1	734.3	734.3	734.3	734.3	734.3	734.1	733.8	733.4	733.1	732.7
142.5°	761.2	761.3	761.4	761.5	761.7	761.8	761.8	761.4	761.0	760.7	760.3
145°	802.3	802.5	802.3	802.2	802.0	801.8	801.4	800.7	799.9	799.2	798.5
147.5°	839.5	839.6	839.7	839.9	840.0	840.2	839.8	838.9	838.1	837.3	836.4
150°	862.7	862.7	862.7	862.7	862.7	862.7	862.4	861.7	860.9	860.2	859.5
152.5°	884.3	883.9	883.8	883.6	883.4	883.3	883.0	882.6	882.2	881.8	881.3
155°	914.8	914.1	914.3	914.4	914.6	914.8	914.9	914.9	914.9	914.9	914.9
157.5°	942.1	941.5	941.5	941.6	941.6	941.7	941.8	942.1	942.5	942.8	943.1
160°	958.7	958.2	958.4	958.5	958.7	958.9	959.1	959.3	959.4	959.6	959.8
162.5°	973.3	972.3	972.5	972.7	972.9	973.0	973.4	973.8	974.3	974.8	975.2
165°	993.0	991.9	992.3	992.6	993.0	993.3	993.8	994.3	994.8	995.4	995.9
167.5°	1009.6	1008.6	1008.5	1008.5	1008.5	1008.4	1008.8	1009.6	1010.3	1011.1	1011.8
170°	1018.7	1017.6	1017.4	1017.2	1017.1	1016.8	1017.2	1018.1	1019.0	1019.9	1020.8
172.5°	1025.2	1024.0	1024.0	1024.0	1023.9	1023.9	1024.2	1025.0	1025.7	1026.4	1027.2
175°	1032.5	1031.3	1031.4	1031.6	1031.7	1032.0	1032.5	1033.4	1034.3	1035.1	1036.0
177.5°	1036.7	1035.7	1035.7	1035.7	1035.7	1035.7	1036.1	1036.8	1037.5	1038.2	1038.9
180°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7



TEST NUMBER: P333044-927

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	769.7	771.9	774.4	779.0	783.0	784.7	788.2	790.7	789.9	793.4	799.3
5°	772.7	781.0	790.6	800.4	811.5	820.8	828.2	835.6	841.5	848.5	859.0
7.5°	772.2	787.0	803.1	820.8	839.0	854.7	869.3	884.1	897.1	911.6	930.3
10°	770.2	790.0	810.0	833.1	856.3	878.1	897.9	916.3	933.9	952.7	976.4
12.5°	768.0	790.7	814.9	842.7	871.6	897.9	921.1	947.7	969.6	993.9	1021.4
15°	758.2	788.8	821.7	857.8	892.3	927.7	959.5	992.2	1022.7	1051.6	1086.2
17.5°	747.0	782.2	821.1	863.7	905.2	948.2	986.0	1027.1	1058.3	1097.2	1129.3
20°	737.9	775.8	817.4	865.1	912.4	960.1	1001.7	1043.6	1078.8	1117.9	1158.6
22.5°	726.8	768.4	813.5	862.9	912.4	964.6	1010.6	1052.3	1095.8	1139.9	1181.8
25°	708.9	752.1	799.9	854.1	910.8	964.1	1013.4	1065.2	1112.1	1159.8	1197.5
27.5°	687.0	732.3	782.7	838.6	896.8	951.4	1009.5	1064.7	1111.8	1157.8	1190.6
30°	669.5	717.2	765.6	822.4	882.7	941.4	1003.5	1058.8	1108.3	1149.7	1168.2
32.5°	651.5	696.8	746.6	804.1	866.0	929.0	990.8	1047.2	1093.1	1117.8	1118.3
35°	620.1	662.7	714.5	770.9	834.3	902.8	965.4	1020.8	1048.8	1051.1	1020.8
37.5°	586.0	625.0	673.9	730.4	799.9	868.0	931.8	968.8	978.3	946.9	891.0
40°	561.6	597.6	644.8	702.7	771.8	842.1	900.3	927.4	917.6	866.7	804.5
42.5°	535.9	569.5	615.0	672.2	741.5	812.5	862.1	876.6	850.5	791.8	718.9
45°	494.1	524.9	569.9	627.6	694.1	760.7	798.3	790.9	747.4	677.8	596.1
47.5°	450.5	480.3	520.8	574.1	642.3	699.7	725.2	702.9	641.0	564.4	498.0
50°	421.7	452.2	489.5	540.3	602.6	658.1	674.4	640.5	571.7	498.1	437.0
52.5°	393.3	419.4	455.9	505.0	564.6	611.5	620.1	581.1	510.1	444.1	390.0
55°	350.1	373.9	404.7	450.9	502.4	542.2	537.6	487.3	422.9	366.5	323.9
57.5°	308.4	326.3	354.7	398.1	443.3	470.0	453.0	410.3	350.2	304.0	268.2
60°	280.8	297.5	323.9	361.9	401.6	416.7	402.5	356.0	308.6	266.3	236.1
62.5°	254.7	269.3	292.2	327.3	359.4	368.4	353.2	312.6	269.8	233.8	208.7
65°	216.7	230.2	249.7	274.6	296.8	301.1	291.3	249.7	217.3	187.1	169.8
67.5°	182.2	191.1	206.3	227.8	239.6	242.2	223.1	196.9	168.4	149.9	136.9
70°	159.1	165.2	179.4	191.1	200.7	201.0	183.4	162.4	140.5	125.5	115.9
72.5°	136.6	142.5	153.3	161.3	168.6	166.2	150.1	133.6	115.9	104.5	97.4
75°	105.4	110.7	116.2	119.9	119.9	116.8	105.1	92.8	82.6	75.8	73.7
77.5°	76.6	81.0	82.8	82.2	81.1	76.3	68.9	60.8	57.2	54.0	52.4
80°	60.1	61.9	62.6	61.0	59.2	53.6	48.7	45.3	41.9	40.7	40.1
82.5°	44.6	46.2	44.6	45.0	41.0	36.4	33.7	32.5	31.1	30.6	29.9
85°	23.8	23.4	22.8	21.2	18.5	17.9	17.6	17.3	16.6	17.0	16.3
87.5°	9.0	8.6	8.1	8.2	8.6	8.3	8.9	9.2	9.4	9.4	10.1
90°	4.4	6.3	8.3	10.2	12.0	13.4	14.8	16.2	17.7	18.7	19.8
92.5°	19.4	21.7	23.9	26.1	27.8	28.8	29.8	30.8	31.8	32.4	33.0
95°	49.7	51.3	53.0	54.6	56.0	57.3	58.5	59.7	61.0	61.6	62.0
97.5°	85.4	86.7	87.9	89.3	90.6	92.1	93.6	95.0	96.5	97.1	97.8
100°	113.0	113.8	114.5	115.2	116.4	118.0	119.5	121.2	122.8	123.1	123.5
102.5°	142.2	142.4	142.8	143.0	143.9	145.4	146.8	148.3	149.7	150.3	150.8
105°	187.2	187.4	187.5	187.7	188.1	188.9	189.6	190.3	191.0	191.5	192.1
107.5°	234.6	234.7	235.0	235.2	235.4	235.4	235.6	235.7	235.8	236.3	236.8
110°	266.8	267.1	267.5	267.8	267.9	267.8	267.6	267.4	267.2	266.9	266.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	299.9	300.0	300.0	300.1	300.0	299.7	299.4	299.0	298.7	298.7	298.6
115°	349.9	349.9	349.9	349.9	349.7	349.4	349.0	348.6	348.3	348.1	347.9
117.5°	397.2	397.4	397.5	397.7	397.6	397.4	397.1	396.9	396.6	396.0	395.4
120°	429.3	430.0	430.7	431.4	431.5	430.9	430.4	429.9	429.4	428.5	427.5
122.5°	461.6	461.8	462.2	462.4	462.5	462.2	461.9	461.7	461.4	460.8	460.3
125°	509.6	509.6	509.6	509.6	509.5	509.3	509.1	509.0	508.8	508.4	508.1
127.5°	554.0	554.4	555.0	555.6	555.7	555.4	555.1	554.8	554.5	554.2	553.8
130°	584.8	585.3	585.8	586.4	586.6	586.6	586.6	586.6	586.6	586.3	585.9
132.5°	616.1	616.5	616.9	617.3	617.3	617.3	617.1	617.0	616.8	616.5	616.1
135°	658.3	659.4	660.4	661.6	662.1	662.1	662.1	662.1	662.1	661.7	661.4
137.5°	703.0	703.5	704.0	704.5	704.9	705.2	705.5	705.8	706.1	705.6	705.1
140°	733.1	733.4	733.8	734.1	734.3	734.3	734.3	734.3	734.3	734.1	734.0
142.5°	760.7	761.0	761.4	761.8	761.8	761.7	761.5	761.4	761.3	761.2	761.2
145°	799.2	799.9	800.7	801.4	801.8	802.0	802.2	802.3	802.5	802.3	802.2
147.5°	837.3	838.1	838.9	839.8	840.2	840.0	839.9	839.7	839.6	839.5	839.3
150°	860.2	860.9	861.7	862.4	862.7	862.7	862.7	862.7	862.7	862.7	862.7
152.5°	881.8	882.2	882.6	883.0	883.3	883.4	883.6	883.8	883.9	884.3	884.7
155°	914.9	914.9	914.9	914.9	914.8	914.6	914.4	914.3	914.1	914.8	915.5
157.5°	942.8	942.5	942.1	941.8	941.7	941.6	941.6	941.5	941.5	942.1	942.6
160°	959.6	959.4	959.3	959.1	958.9	958.7	958.5	958.4	958.2	958.7	959.3
162.5°	974.8	974.3	973.8	973.4	973.0	972.9	972.7	972.5	972.3	973.3	974.2
165°	995.4	994.8	994.3	993.8	993.3	993.0	992.6	992.3	991.9	993.0	994.0
167.5°	1011.1	1010.3	1009.6	1008.8	1008.4	1008.5	1008.5	1008.5	1008.6	1009.6	1010.7
170°	1019.9	1019.0	1018.1	1017.2	1016.8	1017.1	1017.2	1017.4	1017.6	1018.7	1019.7
172.5°	1026.4	1025.7	1025.0	1024.2	1023.9	1023.9	1024.0	1024.0	1024.0	1025.2	1026.4
175°	1035.1	1034.3	1033.4	1032.5	1032.0	1031.7	1031.6	1031.4	1031.3	1032.5	1033.7
177.5°	1038.2	1037.5	1036.8	1036.1	1035.7	1035.7	1035.7	1035.7	1035.7	1036.7	1037.8
180°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	802.5	803.5	804.2	806.7	806.9	809.1	806.9
5°	868.9	873.2	880.0	886.8	887.4	891.7	884.0
7.5°	943.3	953.3	959.6	970.5	974.9	977.6	973.1
10°	994.7	1003.9	1020.3	1028.3	1036.3	1037.4	1033.8
12.5°	1044.2	1058.8	1071.7	1087.0	1086.6	1097.4	1093.4
15°	1110.2	1125.3	1143.2	1160.2	1166.3	1166.3	1171.2
17.5°	1157.3	1185.0	1203.5	1216.8	1231.4	1233.9	1232.2
20°	1189.1	1219.0	1238.7	1256.0	1265.9	1268.7	1268.7
22.5°	1212.8	1238.3	1257.5	1273.0	1281.2	1284.4	1283.4
25°	1229.2	1251.1	1262.8	1267.4	1269.6	1268.9	1263.1
27.5°	1206.7	1205.8	1198.3	1184.2	1173.5	1167.0	1159.7
30°	1163.9	1147.8	1129.3	1109.0	1082.8	1062.7	1056.6
32.5°	1100.0	1064.0	1032.7	998.8	970.6	950.5	942.1
35°	976.4	919.4	872.9	832.2	802.6	784.1	777.9
37.5°	829.9	774.7	717.1	677.6	653.1	634.4	627.4
40°	736.7	676.5	626.3	589.3	564.0	545.9	545.6
42.5°	651.6	594.2	546.9	520.3	493.1	481.0	480.9
45°	533.5	487.6	447.5	426.6	410.3	400.4	397.6
47.5°	441.7	403.8	377.1	360.4	347.1	340.8	336.7
50°	390.2	357.0	335.6	321.2	313.8	305.8	305.1
52.5°	347.3	320.4	303.9	292.1	282.7	277.9	278.1
55°	291.9	270.6	258.9	249.9	242.6	238.8	237.3
57.5°	245.9	230.0	221.4	213.3	210.1	207.2	206.4
60°	217.3	206.5	198.5	192.0	187.4	186.5	186.2
62.5°	193.6	182.4	176.8	171.8	168.4	167.0	166.4
65°	159.6	151.3	146.4	142.4	141.2	139.0	138.7
67.5°	128.7	123.7	120.5	117.7	116.0	115.9	115.9
70°	109.7	106.9	104.2	102.7	101.7	101.1	101.1
72.5°	93.5	91.4	89.1	88.3	88.2	87.5	87.3
75°	71.2	69.1	69.3	67.8	66.5	65.0	64.1
77.5°	50.5	49.0	48.6	48.5	47.4	47.2	47.7
80°	39.1	37.6	37.3	37.6	37.3	36.4	36.4
82.5°	29.8	28.5	28.2	28.0	27.6	28.0	27.5
85°	16.0	15.4	15.4	15.4	16.0	15.7	15.4
87.5°	9.8	9.8	10.2	10.1	10.1	9.9	10.2
90°	20.8	21.9	22.7	23.0	23.4	23.7	24.1
92.5°	33.7	34.4	34.8	35.0	35.2	35.4	35.6
95°	62.6	63.1	63.4	63.4	63.4	63.4	63.4
97.5°	98.4	99.0	99.3	99.3	99.3	99.3	99.3
100°	123.8	124.2	124.4	124.4	124.4	124.4	124.4
102.5°	151.2	151.8	152.1	152.2	152.3	152.5	152.7
105°	192.6	193.1	193.7	194.2	194.7	195.3	195.8
107.5°	237.3	237.8	238.0	238.0	238.0	237.9	237.9
110°	266.2	265.8	265.9	266.4	267.0	267.5	268.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	298.5	298.4	298.4	298.6	298.7	298.7	298.9
115°	347.8	347.6	347.4	347.2	347.1	346.9	346.7
117.5°	394.7	394.2	393.7	393.3	393.0	392.6	392.3
120°	426.7	425.8	425.5	425.9	426.2	426.6	426.9
122.5°	459.6	459.0	458.4	457.7	457.1	456.5	455.8
125°	507.7	507.4	507.0	506.7	506.3	506.0	505.6
127.5°	553.5	553.1	552.8	552.5	552.2	551.9	551.7
130°	585.6	585.2	584.7	584.0	583.3	582.6	581.9
132.5°	615.8	615.4	615.1	614.8	614.5	614.2	613.9
135°	661.0	660.7	660.2	659.7	659.1	658.6	658.1
137.5°	704.6	704.2	704.0	704.1	704.3	704.3	704.4
140°	733.8	733.6	733.4	733.2	733.1	732.8	732.7
142.5°	761.1	761.1	761.0	761.0	761.0	761.0	761.0
145°	802.0	801.8	801.5	800.9	800.3	799.9	799.3
147.5°	839.2	839.0	838.8	838.7	838.5	838.3	838.1
150°	862.7	862.7	862.6	862.4	862.3	862.1	861.9
152.5°	885.2	885.6	885.6	885.1	884.6	884.2	883.8
155°	916.2	917.0	917.0	916.2	915.5	914.8	914.1
157.5°	943.1	943.6	943.6	943.0	942.4	941.8	941.2
160°	959.8	960.4	960.1	959.3	958.4	957.5	956.6
162.5°	975.2	976.2	976.2	975.3	974.5	973.5	972.6
165°	995.1	996.2	996.3	995.6	994.9	994.2	993.5
167.5°	1011.8	1012.9	1012.9	1011.8	1010.7	1009.6	1008.4
170°	1020.8	1021.8	1021.8	1020.6	1019.3	1018.0	1016.8
172.5°	1027.6	1028.9	1028.8	1027.6	1026.4	1025.1	1023.8
175°	1035.0	1036.3	1036.3	1035.0	1033.7	1032.5	1031.3
177.5°	1038.7	1039.7	1039.7	1038.5	1037.4	1036.3	1035.1
180°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7

(END OF REPORT)