

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: P332573-930

Luminaire Tested: **SA4XXDIP-C575D1205U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332573-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA4XXDIP-C575D1205U930-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

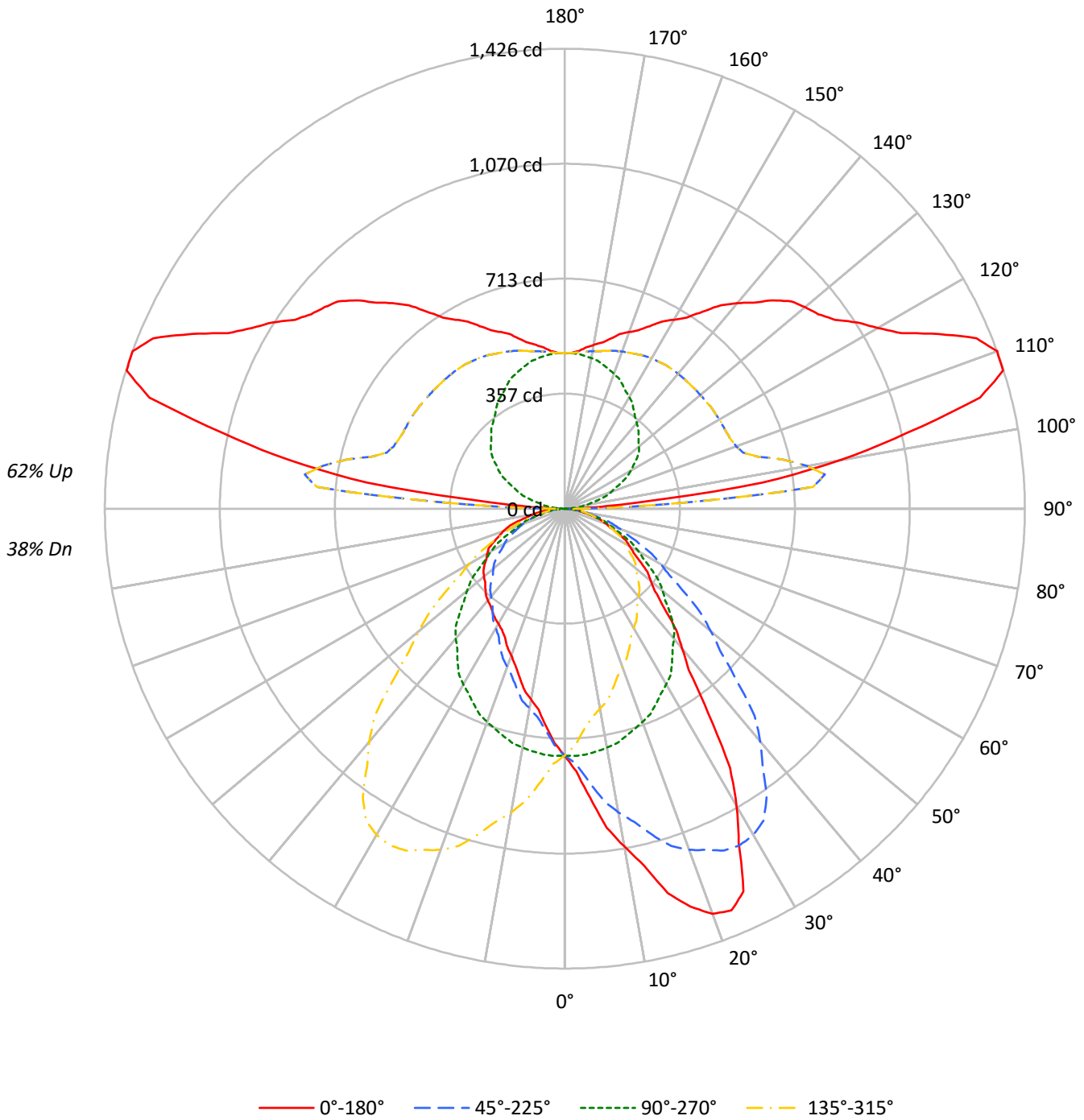
Lumens per Lamp: N/A  
Luminaire Lumens: 5622.5 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 49.4  
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	104	104	104	104	95	95	95	95	76	76	76	60	60	60	45	45	45	38				
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32				
2	87	80	74	69	78	72	67	63	59	55	52	47	44	42	35	34	32	27				
3	79	70	63	57	72	64	58	53	52	48	44	41	38	36	31	29	28	23				
4	73	62	54	49	66	57	50	45	46	42	38	37	34	31	28	26	24	20				
5	67	55	47	42	60	51	44	39	42	36	33	33	30	27	25	23	21	17				
6	61	50	42	36	55	45	38	33	37	32	28	30	26	23	23	20	19	15				
7	57	45	37	32	51	41	34	29	34	29	25	27	24	21	21	18	16	14				
8	52	41	33	28	48	37	31	26	31	26	22	25	21	18	19	17	15	12				
9	49	37	30	25	44	34	27	23	28	23	20	23	19	17	18	15	13	11				
10	46	34	27	22	41	31	25	21	26	21	18	21	17	15	17	14	12	10				

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

	0°	90°	180°	270°
0°	6181	6181	6181	6181
5°	7280	6198	5471	6198
10°	8716	6171	4925	6171
15°	10313	6108	4523	6108
20°	11485	6045	4164	6045
25°	11670	5951	3917	5951
30°	9930	5862	3838	5862
35°	7634	5714	3840	5714
40°	5951	5542	3911	5542
45°	4962	5284	3976	5284
50°	4366	4968	4111	4968
55°	4000	4590	4277	4590
60°	3749	4251	4477	4251
65°	3490	3872	4642	3872
70°	3189	3496	4747	3496
75°	2851	3079	4688	3079
80°	2390	2520	4542	2520
85°	1760	1815	4353	1815



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.6	1.3
10°-20°	230.0	4.1
20°-30°	364.6	6.5
30°-40°	405.8	7.2
40°-50°	369.4	6.6
50°-60°	301.9	5.4
60°-70°	215.5	3.8
70°-80°	118.7	2.1
80°-90°	35.1	0.6
90°-100°	348.3	6.2
100°-110°	724.9	12.9
110°-120°	649.3	11.5
120°-130°	546.2	9.7
130°-140°	455.4	8.1
140°-150°	347.9	6.2
150°-160°	244.5	4.3
160°-170°	143.8	2.6
170°-180°	46.8	0.8
0°-30°	669.2	11.9
0°-40°	1075.0	19.1
0°-60°	1746.2	31.1
0°-90°	2115.4	37.6
90°-120°	1722.5	30.6
90°-150°	3071.9	54.6
90°-180°	3507.0	62.4
0°-180°	5622.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	766	766	766	766	766	
5°	898	765	675	765	898	91
15°	1234	731	541	731	1234	349
25°	1310	668	440	668	1310	578
35°	775	580	390	580	775	492
45°	435	463	348	463	435	342
55°	284	326	304	326	284	257
65°	183	203	243	203	183	181
75°	91	99	150	99	91	97
85°	19	20	47	20	19	24
90°	20	1	20	1	20	17
95°	231	31	231	31	231	359
105°	1333	111	1333	111	1333	1318
115°	1280	195	1280	195	1280	1271
125°	1021	272	1021	272	1021	928
135°	913	323	913	323	913	705
145°	746	372	746	372	746	473
155°	624	424	624	424	624	291
165°	545	461	545	461	545	156
175°	491	481	491	481	491	48
180°	482	482	482	482	482	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	815.0	814.7	812.2	811.7	809.9	807.6	807.1	803.1	794.9	791.2	790.1
5°	898.4	904.7	896.4	894.9	893.9	883.5	878.1	871.7	857.1	848.6	841.9
7.5°	997.8	998.6	995.0	992.1	984.0	974.9	961.2	946.6	929.2	911.1	897.5
10°	1063.3	1065.8	1061.8	1061.1	1044.9	1034.8	1014.5	997.4	977.6	955.8	935.8
12.5°	1132.4	1128.8	1126.7	1113.1	1110.1	1091.6	1068.0	1050.4	1020.0	994.8	968.2
15°	1234.0	1227.0	1222.5	1203.9	1194.7	1169.0	1143.9	1124.5	1084.9	1047.2	1018.6
17.5°	1293.6	1300.6	1290.3	1282.6	1258.8	1240.8	1215.2	1174.6	1143.5	1096.7	1060.6
20°	1336.8	1337.4	1331.7	1323.7	1305.0	1282.2	1254.3	1209.9	1172.7	1126.1	1076.6
22.5°	1348.4	1348.6	1346.1	1338.7	1324.5	1306.0	1277.9	1240.8	1195.9	1145.2	1095.7
25°	1310.1	1308.9	1311.7	1320.0	1314.6	1308.9	1292.7	1265.1	1223.2	1169.5	1116.3
27.5°	1167.8	1176.5	1192.6	1212.9	1232.5	1247.3	1251.6	1245.9	1219.9	1175.8	1120.1
30°	1065.2	1076.0	1088.0	1108.4	1147.7	1170.2	1195.0	1213.7	1203.2	1168.0	1116.0
32.5°	952.5	955.2	973.1	996.2	1032.3	1075.5	1114.8	1152.8	1165.4	1147.0	1103.5
35°	774.6	779.1	798.4	821.3	865.4	918.4	977.4	1030.0	1073.5	1091.0	1068.7
37.5°	632.2	644.9	658.5	683.1	721.9	769.6	831.0	899.0	963.8	1007.2	1014.6
40°	564.7	572.6	582.4	601.1	634.1	681.1	733.7	811.8	880.6	942.8	963.1
42.5°	511.4	516.0	522.0	538.9	564.1	610.7	658.8	727.5	796.6	871.0	905.0
45°	434.6	439.4	449.5	459.3	478.3	510.7	555.5	611.9	681.3	753.1	815.9
47.5°	379.1	382.2	388.2	398.8	414.9	436.3	472.6	519.8	584.2	653.8	720.7
50°	347.6	350.2	355.0	364.5	376.8	395.9	425.7	469.8	520.2	590.4	656.0
52.5°	322.8	323.8	327.3	333.8	343.6	359.6	384.1	420.5	467.5	529.9	595.3
55°	284.2	285.5	288.7	293.4	302.0	312.2	330.8	358.2	399.1	453.3	510.1
57.5°	252.5	253.4	256.1	257.9	265.0	273.2	287.6	307.0	338.1	384.1	434.8
60°	232.2	231.5	234.7	236.4	241.1	248.1	259.2	277.9	304.8	341.9	388.6
62.5°	212.4	211.5	214.2	216.3	219.0	224.9	234.1	248.7	270.6	304.2	344.5
65°	182.7	181.5	183.0	185.6	188.1	191.3	198.0	210.9	228.4	252.5	283.2
67.5°	152.9	154.3	154.5	155.7	157.2	161.5	166.1	175.3	187.6	206.9	232.9
70°	135.1	135.4	136.7	136.7	137.7	141.5	145.3	150.7	162.7	180.5	201.8
72.5°	117.4	118.7	118.2	119.2	119.9	122.5	125.2	130.4	140.6	153.8	171.8
75°	91.4	92.3	92.3	92.6	93.6	94.5	96.8	100.5	107.9	117.6	130.0
77.5°	66.6	66.8	67.2	68.3	68.3	69.9	71.5	74.5	78.2	84.9	92.5
80°	51.4	52.0	51.7	52.3	52.3	53.6	54.2	58.0	59.6	64.1	70.1
82.5°	37.7	38.3	38.2	39.1	39.6	39.9	40.8	42.3	43.9	47.9	50.3
85°	19.0	19.6	19.0	19.6	20.6	21.0	21.9	22.2	23.5	24.5	26.7
87.5°	9.5	10.4	10.5	10.6	10.9	11.2	11.3	10.8	11.6	12.1	12.6
90°	19.9	19.9	20.9	19.9	18.9	18.9	18.0	17.0	16.1	17.0	15.2
92.5°	73.0	73.0	76.1	81.3	92.5	111.5	140.0	186.1	250.3	300.5	263.0
95°	231.1	243.4	260.6	289.9	336.3	428.2	555.1	702.0	793.9	772.1	582.6
97.5°	617.9	637.6	666.0	723.0	791.1	890.0	982.6	1037.2	997.4	813.3	545.3
100°	868.8	876.4	904.7	962.5	1045.0	1115.1	1161.5	1142.6	1004.2	761.7	494.6
102.5°	1087.0	1093.1	1123.0	1164.9	1215.4	1244.6	1231.2	1137.3	947.4	697.2	460.4
105°	1332.9	1338.6	1351.9	1359.5	1357.6	1318.7	1225.0	1061.0	844.1	621.5	431.0
107.5°	1424.3	1421.8	1412.3	1390.7	1343.9	1259.5	1127.4	952.8	760.8	579.0	425.7
110°	1425.8	1417.3	1400.2	1360.4	1293.1	1189.0	1051.6	887.7	719.1	564.7	427.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1381.1	1367.3	1343.4	1295.3	1218.9	1114.7	984.9	839.9	695.5	557.8	431.8
115°	1279.9	1272.4	1242.0	1185.2	1110.4	1019.4	908.6	792.0	673.6	554.2	440.5
117.5°	1177.4	1171.5	1140.8	1093.1	1029.2	952.1	865.0	768.5	663.7	553.3	449.8
120°	1119.8	1109.4	1084.8	1043.1	989.0	921.8	846.0	757.9	658.4	553.3	456.6
122.5°	1074.3	1063.9	1043.1	1007.5	961.8	902.9	833.9	748.8	652.4	552.5	463.5
125°	1021.2	1015.6	997.6	970.1	932.2	880.1	814.7	733.3	642.3	551.4	473.7
127.5°	990.2	984.6	969.4	944.9	906.9	857.4	792.2	714.3	628.8	549.3	481.8
130°	972.0	966.3	951.1	927.5	888.7	838.5	774.0	699.2	620.5	548.5	487.9
132.5°	951.5	945.8	931.5	904.7	866.7	816.4	753.6	683.2	612.9	547.8	493.2
135°	913.3	907.6	892.4	865.9	828.0	780.6	722.8	661.3	601.6	546.7	501.2
137.5°	865.9	859.1	846.6	820.4	785.0	742.2	693.5	641.4	591.7	546.4	505.9
140°	831.8	824.2	811.0	790.1	756.9	717.1	674.5	630.0	586.4	545.7	509.7
142.5°	795.4	790.1	778.4	759.0	729.7	695.2	658.6	619.4	581.9	545.7	512.7
145°	745.6	740.9	731.4	715.3	691.6	665.0	636.7	604.5	574.1	543.8	514.5
147.5°	701.4	699.8	692.5	678.7	661.3	640.4	617.7	592.2	567.1	540.4	515.4
150°	676.5	675.5	669.8	657.5	642.3	625.3	606.3	584.6	561.8	538.1	515.4
152.5°	653.7	652.7	649.3	639.3	626.4	612.4	594.9	576.2	555.7	534.3	513.9
155°	624.4	624.4	621.5	613.9	604.5	593.0	578.9	563.7	546.7	528.6	511.6
157.5°	598.6	598.6	596.9	591.2	584.0	574.9	563.0	550.2	537.4	522.8	509.2
160°	582.6	582.6	581.7	576.0	570.3	562.7	552.3	541.9	530.5	518.2	506.9
162.5°	567.4	568.3	567.3	561.6	557.4	550.7	542.5	533.5	524.5	513.6	504.6
165°	544.8	545.7	546.7	542.8	539.1	534.3	527.7	522.0	514.5	506.9	500.2
167.5°	526.8	527.5	527.7	525.2	523.3	520.5	515.2	510.9	505.3	500.0	495.7
170°	515.4	515.4	516.3	515.4	513.5	510.6	506.9	504.0	499.3	495.5	492.6
172.5°	504.0	505.5	506.5	505.5	504.3	502.3	500.0	497.9	494.0	490.9	489.6
175°	490.7	492.6	494.6	492.6	492.6	492.6	490.7	489.8	487.9	486.0	486.0
177.5°	483.0	484.5	486.0	485.3	486.0	485.3	485.3	484.5	483.7	483.0	483.0
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	790.4	786.8	784.3	782.3	776.7	773.4	770.9	767.3	763.2	758.9	753.6
5°	835.3	824.4	816.5	804.5	793.0	783.5	773.7	764.8	754.0	742.3	733.7
7.5°	882.4	866.3	845.8	827.9	807.9	790.4	774.9	758.9	742.2	726.1	711.3
10°	912.3	891.7	868.9	841.9	816.5	794.0	773.1	752.8	733.1	713.4	696.6
12.5°	944.5	918.8	885.1	853.5	825.2	795.0	769.7	744.9	721.1	700.5	680.9
15°	987.8	950.7	911.7	869.5	832.1	796.9	762.3	730.8	704.3	676.9	657.9
17.5°	1014.4	968.5	923.9	879.8	834.5	790.0	752.8	716.6	683.1	656.1	632.1
20°	1031.9	986.3	930.7	886.6	832.7	787.0	743.9	703.6	668.7	639.8	615.1
22.5°	1047.2	994.3	938.8	880.8	827.1	778.6	731.4	690.9	655.3	624.8	601.1
25°	1055.4	994.8	934.5	876.8	815.9	758.5	715.7	668.1	630.0	597.9	572.6
27.5°	1056.3	991.5	923.3	859.2	796.3	742.8	688.8	646.2	606.7	572.8	548.5
30°	1053.4	985.9	912.6	843.2	780.1	721.9	675.1	628.8	588.4	554.8	529.5
32.5°	1044.6	974.2	898.9	825.4	760.0	703.2	654.8	610.7	571.4	538.3	511.7
35°	1018.9	949.4	869.2	792.7	725.8	668.4	624.6	579.8	540.5	509.2	483.5
37.5°	978.8	915.9	834.4	755.2	689.5	631.9	588.4	548.0	512.6	480.6	454.3
40°	943.7	888.5	806.7	729.6	658.5	603.6	563.0	525.9	490.7	460.6	435.5
42.5°	903.4	855.2	779.8	698.1	629.6	574.5	534.9	501.6	468.4	440.6	415.5
45°	831.4	799.7	728.6	653.1	581.8	529.8	492.0	462.8	434.9	407.6	386.7
47.5°	748.7	733.0	673.1	601.4	533.7	482.4	449.7	422.7	398.3	375.1	356.7
50°	693.1	685.5	633.8	564.7	499.9	451.8	418.7	395.6	374.6	354.3	336.9
52.5°	638.3	638.1	591.4	528.1	468.2	421.8	389.1	367.4	349.3	332.7	317.1
55°	554.5	563.4	526.9	470.4	416.9	375.0	345.4	326.1	313.4	299.8	288.0
57.5°	477.5	492.3	462.2	412.5	367.7	329.1	303.5	288.9	275.4	267.2	258.6
60°	427.3	441.2	417.8	375.9	333.7	300.7	276.3	263.3	251.5	245.8	239.8
62.5°	382.6	395.1	377.6	338.8	302.2	270.5	249.9	237.4	229.5	223.2	219.2
65°	318.8	329.3	314.4	286.2	254.7	229.3	212.5	202.7	195.1	192.6	188.1
67.5°	257.7	267.3	259.2	235.2	210.0	190.8	177.7	168.2	163.7	161.4	158.3
70°	221.4	231.0	222.3	201.5	182.1	165.9	153.5	148.1	143.4	142.4	138.0
72.5°	190.7	197.2	188.6	172.3	155.7	142.0	132.5	126.9	124.3	122.6	120.3
75°	143.1	148.8	143.1	130.4	118.6	109.1	100.9	98.7	95.8	94.8	93.3
77.5°	101.3	106.2	101.8	93.9	85.1	77.8	73.4	70.5	69.9	68.2	69.0
80°	77.4	80.6	76.5	71.1	64.1	59.0	55.8	54.2	52.3	51.7	53.0
82.5°	55.6	57.0	54.9	51.3	46.1	42.7	40.6	38.7	38.4	38.5	38.5
85°	28.9	28.5	28.2	25.0	23.5	21.3	20.0	19.6	19.3	20.0	20.6
87.5°	12.3	12.6	11.2	10.1	9.2	8.2	7.4	6.8	7.4	8.2	8.7
90°	13.3	13.3	7.6	7.6	6.6	5.7	2.9	1.0	2.9	5.7	6.6
92.5°	191.4	117.9	69.7	50.1	36.2	24.6	15.7	10.8	15.7	24.6	36.2
95°	356.2	200.8	118.5	78.6	55.9	43.6	34.1	31.2	34.1	43.6	55.9
97.5°	320.2	191.9	128.5	95.1	75.6	64.2	56.1	56.1	56.1	64.2	75.6
100°	301.3	194.2	138.4	108.0	90.0	78.6	72.0	72.0	72.0	78.6	90.0
102.5°	296.0	201.8	151.2	122.4	105.2	94.6	88.7	87.2	88.7	94.6	105.2
105°	298.4	219.8	174.3	146.8	129.8	118.5	113.7	110.9	113.7	118.5	129.8
107.5°	312.4	240.8	199.2	172.0	155.7	143.7	138.8	137.0	138.8	143.7	155.7
110°	323.0	256.7	215.1	189.5	172.4	161.0	156.3	154.4	156.3	161.0	172.4





TEST NUMBER: P332573-930

CATALOG NUMBER: SA4XXDIP-C575D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	334.4	271.9	231.7	206.2	189.1	178.5	173.0	171.1	173.0	178.5	189.1
115°	352.5	295.5	257.7	232.1	214.1	204.6	198.0	195.2	198.0	204.6	214.1
117.5°	370.8	318.5	282.5	256.0	239.1	228.7	222.8	220.1	222.8	228.7	239.1
120°	383.7	334.4	298.4	271.9	255.8	245.4	238.7	236.8	238.7	245.4	255.8
122.5°	395.8	349.6	313.6	287.8	270.2	260.6	253.9	252.0	253.9	260.6	270.2
125°	414.0	370.4	336.3	309.8	291.8	281.4	275.7	271.9	275.7	281.4	291.8
127.5°	429.7	389.7	356.8	330.0	311.3	299.4	292.5	289.5	292.5	299.4	311.3
130°	439.6	402.7	370.4	342.9	325.0	310.7	303.1	299.4	303.1	310.7	325.0
132.5°	449.5	413.3	381.1	355.1	335.6	322.1	312.3	309.2	312.3	322.1	335.6
135°	462.4	428.2	397.0	372.3	352.5	336.3	326.9	323.0	326.9	336.3	352.5
137.5°	471.4	439.6	410.4	386.9	366.2	350.9	340.5	336.9	340.5	350.9	366.2
140°	477.4	447.2	418.7	396.0	376.1	360.0	349.6	346.7	349.6	360.0	376.1
142.5°	482.0	454.0	426.3	404.3	385.2	369.8	360.2	357.3	360.2	369.8	385.2
145°	487.0	461.4	436.8	415.9	397.9	384.7	375.2	372.3	375.2	384.7	397.9
147.5°	491.3	469.0	445.8	427.1	412.1	398.4	390.1	389.1	390.1	398.4	412.1
150°	493.6	472.7	451.9	433.9	419.7	408.3	400.7	399.8	400.7	408.3	419.7
152.5°	495.1	475.8	457.2	440.8	428.0	417.4	409.9	409.6	409.9	417.4	428.0
155°	496.4	480.3	464.2	450.0	439.6	430.1	424.4	423.5	424.4	430.1	439.6
157.5°	496.4	483.6	469.9	458.7	449.6	442.2	436.9	436.9	436.9	442.2	449.6
160°	496.4	485.0	473.7	463.3	455.7	449.1	445.2	445.2	445.2	449.1	455.7
162.5°	496.4	486.6	476.0	467.8	461.0	455.1	452.1	452.8	452.1	455.1	461.0
165°	494.6	487.0	478.4	472.7	468.0	463.3	461.4	461.4	461.4	463.3	468.0
167.5°	492.3	486.7	480.5	476.1	473.5	469.9	469.0	469.9	469.0	469.9	473.5
170°	490.7	486.0	481.3	478.4	476.5	473.7	472.7	473.7	472.7	473.7	476.5
172.5°	489.3	485.3	482.0	480.0	478.8	476.7	476.5	477.4	476.5	476.7	478.8
175°	487.0	484.1	482.2	482.2	481.3	480.3	480.3	481.3	480.3	480.3	481.3
177.5°	484.5	483.0	482.2	482.2	482.2	481.4	482.2	483.0	482.2	481.4	482.2
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2



TEST NUMBER: P332573-930

CATALOG NUMBER: SA4XXDIP-C575D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	751.1	748.8	745.4	740.9	737.1	733.0	732.0	730.5	733.5	731.0	730.3
5°	726.4	719.7	711.2	701.4	695.7	687.4	685.8	682.7	679.5	679.1	676.0
7.5°	700.3	690.6	679.4	669.4	660.1	651.1	645.1	643.9	639.2	636.5	633.3
10°	683.6	671.6	658.5	649.1	638.2	628.8	622.1	618.2	615.1	611.6	608.5
12.5°	663.8	651.0	640.3	630.0	617.2	609.9	599.0	592.4	591.7	591.8	583.6
15°	640.7	628.1	611.6	597.0	590.0	576.1	570.1	562.4	557.7	552.9	549.1
17.5°	614.5	598.7	585.8	569.0	555.7	544.6	536.6	532.1	525.0	518.2	513.3
20°	597.9	581.1	567.5	549.8	535.2	521.5	514.9	508.5	503.1	497.4	492.0
22.5°	581.2	563.6	547.0	529.7	516.1	501.7	495.3	486.7	481.5	478.3	473.0
25°	554.8	535.8	516.7	500.3	486.3	473.6	465.0	458.4	452.7	450.1	446.6
27.5°	526.1	507.2	488.9	470.1	454.3	445.1	438.2	433.2	429.9	426.6	424.9
30°	507.8	488.2	468.6	451.1	436.5	427.3	420.9	417.4	414.9	413.4	411.7
32.5°	489.3	469.9	449.2	433.3	420.3	412.1	407.2	403.7	402.5	401.9	401.4
35°	459.7	440.0	420.9	406.7	394.3	391.1	387.0	385.1	384.5	386.7	387.7
37.5°	430.9	412.6	395.1	381.3	373.2	368.5	367.1	367.2	369.5	371.5	373.7
40°	412.4	394.6	378.1	366.1	358.5	355.6	355.0	356.5	359.1	361.3	363.9
42.5°	394.4	376.8	361.9	350.6	345.3	342.7	343.1	344.6	348.2	350.9	354.7
45°	366.4	351.8	337.2	328.0	323.6	324.2	324.2	327.0	330.5	334.7	338.8
47.5°	340.1	325.3	313.3	305.6	303.3	302.7	304.5	308.3	313.3	318.4	324.2
50°	322.3	308.3	297.8	290.9	288.4	289.3	291.9	295.3	301.3	307.7	313.7
52.5°	304.3	291.6	281.8	275.4	273.6	275.3	277.9	283.4	288.7	295.5	302.8
55°	276.3	265.5	257.9	253.2	252.5	253.5	256.3	262.4	269.9	278.5	285.5
57.5°	248.4	239.5	232.4	229.2	229.5	230.4	235.1	242.2	250.4	259.5	268.5
60°	229.7	221.4	215.7	213.2	213.5	215.4	221.1	227.8	237.9	246.8	256.3
62.5°	211.9	204.6	199.2	196.9	196.5	200.6	206.1	213.0	223.2	233.1	243.4
65°	183.4	177.7	173.2	171.9	172.8	176.0	183.0	192.2	200.8	211.2	222.1
67.5°	155.4	150.7	147.7	148.3	149.4	154.1	160.0	167.9	177.6	188.4	199.1
70°	137.7	133.2	130.7	131.0	132.9	138.6	143.7	151.6	162.1	173.2	182.1
72.5°	119.4	116.5	114.2	115.5	117.4	121.4	127.7	135.7	144.9	155.2	164.6
75°	91.6	91.6	90.4	91.4	94.2	98.0	102.8	111.0	120.3	128.5	136.1
77.5°	68.0	67.3	68.2	69.3	70.9	75.4	80.9	86.8	93.7	102.0	108.3
80°	52.0	52.3	53.9	55.8	56.5	59.9	65.6	71.1	76.5	83.4	89.4
82.5°	39.1	39.4	40.2	42.6	43.3	47.0	50.7	56.1	61.0	65.6	70.7
85°	21.3	21.3	22.8	23.8	25.4	27.9	30.2	33.3	37.7	40.9	45.7
87.5°	9.6	9.6	11.8	12.3	13.5	15.1	15.4	18.3	19.6	21.0	23.3
90°	7.6	7.6	13.3	13.3	15.2	17.0	16.1	17.0	18.0	18.9	18.9
92.5°	50.1	69.7	117.9	191.4	263.0	300.5	250.3	186.1	140.0	111.5	92.5
95°	78.6	118.5	200.8	356.2	582.6	772.1	793.9	702.0	555.1	428.2	336.3
97.5°	95.1	128.5	191.9	320.2	545.3	813.3	997.4	1037.2	982.6	890.0	791.1
100°	108.0	138.4	194.2	301.3	494.6	761.7	1004.2	1142.6	1161.5	1115.1	1045.0
102.5°	122.4	151.2	201.8	296.0	460.4	697.2	947.4	1137.3	1231.2	1244.6	1215.4
105°	146.8	174.3	219.8	298.4	431.0	621.5	844.1	1061.0	1225.0	1318.7	1357.6
107.5°	172.0	199.2	240.8	312.4	425.7	579.0	760.8	952.8	1127.4	1259.5	1343.9
110°	189.5	215.1	256.7	323.0	427.3	564.7	719.1	887.7	1051.6	1189.0	1293.1



TEST NUMBER: P332573-930

CATALOG NUMBER: SA4XXDIP-C575D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	206.2	231.7	271.9	334.4	431.8	557.8	695.5	839.9	984.9	1114.7	1218.9
115°	232.1	257.7	295.5	352.5	440.5	554.2	673.6	792.0	908.6	1019.4	1110.4
117.5°	256.0	282.5	318.5	370.8	449.8	553.3	663.7	768.5	865.0	952.1	1029.2
120°	271.9	298.4	334.4	383.7	456.6	553.3	658.4	757.9	846.0	921.8	989.0
122.5°	287.8	313.6	349.6	395.8	463.5	552.5	652.4	748.8	833.9	902.9	961.8
125°	309.8	336.3	370.4	414.0	473.7	551.4	642.3	733.3	814.7	880.1	932.2
127.5°	330.0	356.8	389.7	429.7	481.8	549.3	628.8	714.3	792.2	857.4	906.9
130°	342.9	370.4	402.7	439.6	487.9	548.5	620.5	699.2	774.0	838.5	888.7
132.5°	355.1	381.1	413.3	449.5	493.2	547.8	612.9	683.2	753.6	816.4	866.7
135°	372.3	397.0	428.2	462.4	501.2	546.7	601.6	661.3	722.8	780.6	828.0
137.5°	386.9	410.4	439.6	471.4	505.9	546.4	591.7	641.4	693.5	742.2	785.0
140°	396.0	418.7	447.2	477.4	509.7	545.7	586.4	630.0	674.5	717.1	756.9
142.5°	404.3	426.3	454.0	482.0	512.7	545.7	581.9	619.4	658.6	695.2	729.7
145°	415.9	436.8	461.4	487.0	514.5	543.8	574.1	604.5	636.7	665.0	691.6
147.5°	427.1	445.8	469.0	491.3	515.4	540.4	567.1	592.2	617.7	640.4	661.3
150°	433.9	451.9	472.7	493.6	515.4	538.1	561.8	584.6	606.3	625.3	642.3
152.5°	440.8	457.2	475.8	495.1	513.9	534.3	555.7	576.2	594.9	612.4	626.4
155°	450.0	464.2	480.3	496.4	511.6	528.6	546.7	563.7	578.9	593.0	604.5
157.5°	458.7	469.9	483.6	496.4	509.2	522.8	537.4	550.2	563.0	574.9	584.0
160°	463.3	473.7	485.0	496.4	506.9	518.2	530.5	541.9	552.3	562.7	570.3
162.5°	467.8	476.0	486.6	496.4	504.6	513.6	524.5	533.5	542.5	550.7	557.4
165°	472.7	478.4	487.0	494.6	500.2	506.9	514.5	522.0	527.7	534.3	539.1
167.5°	476.1	480.5	486.7	492.3	495.7	500.0	505.3	510.9	515.2	520.5	523.3
170°	478.4	481.3	486.0	490.7	492.6	495.5	499.3	504.0	506.9	510.6	513.5
172.5°	480.0	482.0	485.3	489.3	489.6	490.9	494.0	497.9	500.0	502.3	504.3
175°	482.2	482.2	484.1	487.0	486.0	486.0	487.9	489.8	490.7	492.6	492.6
177.5°	482.2	482.2	483.0	484.5	483.0	483.0	483.7	484.5	485.3	485.3	486.0
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2



TEST NUMBER: P332573-930

CATALOG NUMBER: SA4XXDIP-C575D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	729.7	729.2	727.4	727.2	727.4	729.2	729.7	730.3	731.0	733.5	730.5
5°	674.1	672.5	671.6	675.1	671.6	672.5	674.1	676.0	679.1	679.5	682.7
7.5°	632.2	630.9	628.1	627.2	628.1	630.9	632.2	633.3	636.5	639.2	643.9
10°	605.3	604.0	601.4	600.8	601.4	604.0	605.3	608.5	611.6	615.1	618.2
12.5°	579.4	576.8	576.3	577.0	576.3	576.8	579.4	583.6	591.8	591.7	592.4
15°	544.9	543.7	540.2	541.2	540.2	543.7	544.9	549.1	552.9	557.7	562.4
17.5°	511.1	509.6	505.3	509.1	505.3	509.6	511.1	513.3	518.2	525.0	532.1
20°	489.8	487.2	485.0	484.7	485.0	487.2	489.8	492.0	497.4	503.1	508.5
22.5°	469.4	467.2	467.0	464.9	467.0	467.2	469.4	473.0	478.3	481.5	486.7
25°	444.1	441.9	441.2	439.7	441.2	441.9	444.1	446.6	450.1	452.7	458.4
27.5°	424.6	423.5	422.4	422.9	422.4	423.5	424.6	424.9	426.6	429.9	433.2
30°	412.7	412.4	411.7	411.7	411.7	412.4	412.7	411.7	413.4	414.9	417.4
32.5°	402.8	402.8	403.1	403.1	403.1	402.8	402.8	401.4	401.9	402.5	403.7
35°	388.9	389.9	390.5	389.6	390.5	389.9	388.9	387.7	386.7	384.5	385.1
37.5°	376.3	377.3	378.2	379.3	378.2	377.3	376.3	373.7	371.5	369.5	367.2
40°	366.7	368.9	369.6	371.1	369.6	368.9	366.7	363.9	361.3	359.1	356.5
42.5°	357.6	360.0	361.7	362.0	361.7	360.0	357.6	354.7	350.9	348.2	344.6
45°	343.6	346.1	348.3	348.3	348.3	346.1	343.6	338.8	334.7	330.5	327.0
47.5°	329.1	332.7	334.9	335.5	334.9	332.7	329.1	324.2	318.4	313.3	308.3
50°	319.1	323.6	325.8	327.3	325.8	323.6	319.1	313.7	307.7	301.3	295.3
52.5°	309.5	313.9	316.9	317.7	316.9	313.9	309.5	302.8	295.5	288.7	283.4
55°	292.8	299.1	302.6	303.9	302.6	299.1	292.8	285.5	278.5	269.9	262.4
57.5°	277.0	282.9	287.0	287.9	287.0	282.9	277.0	268.5	259.5	250.4	242.2
60°	264.9	271.3	276.3	277.3	276.3	271.3	264.9	256.3	246.8	237.9	227.8
62.5°	252.4	259.0	263.6	266.1	263.6	259.0	252.4	243.4	233.1	223.2	213.0
65°	231.0	237.6	242.1	243.0	242.1	237.6	231.0	222.1	211.2	200.8	192.2
67.5°	207.5	214.1	217.0	218.9	217.0	214.1	207.5	199.1	188.4	177.6	167.9
70°	190.9	196.3	199.5	201.1	199.5	196.3	190.9	182.1	173.2	162.1	151.6
72.5°	172.2	177.8	181.5	181.8	181.5	177.8	172.2	164.6	155.2	144.9	135.7
75°	143.4	148.5	150.3	150.3	150.3	148.5	143.4	136.1	128.5	120.3	111.0
77.5°	113.5	116.1	118.5	119.0	118.5	116.1	113.5	108.3	102.0	93.7	86.8
80°	94.2	95.8	97.7	97.7	97.7	95.8	94.2	89.4	83.4	76.5	71.1
82.5°	74.4	75.7	77.6	77.4	77.6	75.7	74.4	70.7	65.6	61.0	56.1
85°	45.0	47.9	47.6	47.0	47.6	47.9	45.0	45.7	40.9	37.7	33.3
87.5°	24.3	24.7	25.3	25.8	25.3	24.7	24.3	23.3	21.0	19.6	18.3
90°	19.9	20.9	19.9	19.9	19.9	20.9	19.9	18.9	18.9	18.0	17.0
92.5°	81.3	76.1	73.0	73.0	73.0	76.1	81.3	92.5	111.5	140.0	186.1
95°	289.9	260.6	243.4	231.1	243.4	260.6	289.9	336.3	428.2	555.1	702.0
97.5°	723.0	666.0	637.6	617.9	637.6	666.0	723.0	791.1	890.0	982.6	1037.2
100°	962.5	904.7	876.4	868.8	876.4	904.7	962.5	1045.0	1115.1	1161.5	1142.6
102.5°	1164.9	1123.0	1093.1	1087.0	1093.1	1123.0	1164.9	1215.4	1244.6	1231.2	1137.3
105°	1359.5	1351.9	1338.6	1332.9	1338.6	1351.9	1359.5	1357.6	1318.7	1225.0	1061.0
107.5°	1390.7	1412.3	1421.8	1424.3	1421.8	1412.3	1390.7	1343.9	1259.5	1127.4	952.8
110°	1360.4	1400.2	1417.3	1425.8	1417.3	1400.2	1360.4	1293.1	1189.0	1051.6	887.7



TEST NUMBER: P332573-930

CATALOG NUMBER: SA4XXDIP-C575D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1295.3	1343.4	1367.3	1381.1	1367.3	1343.4	1295.3	1218.9	1114.7	984.9	839.9
115°	1185.2	1242.0	1272.4	1279.9	1272.4	1242.0	1185.2	1110.4	1019.4	908.6	792.0
117.5°	1093.1	1140.8	1171.5	1177.4	1171.5	1140.8	1093.1	1029.2	952.1	865.0	768.5
120°	1043.1	1084.8	1109.4	1119.8	1109.4	1084.8	1043.1	989.0	921.8	846.0	757.9
122.5°	1007.5	1043.1	1063.9	1074.3	1063.9	1043.1	1007.5	961.8	902.9	833.9	748.8
125°	970.1	997.6	1015.6	1021.2	1015.6	997.6	970.1	932.2	880.1	814.7	733.3
127.5°	944.9	969.4	984.6	990.2	984.6	969.4	944.9	906.9	857.4	792.2	714.3
130°	927.5	951.1	966.3	972.0	966.3	951.1	927.5	888.7	838.5	774.0	699.2
132.5°	904.7	931.5	945.8	951.5	945.8	931.5	904.7	866.7	816.4	753.6	683.2
135°	865.9	892.4	907.6	913.3	907.6	892.4	865.9	828.0	780.6	722.8	661.3
137.5°	820.4	846.6	859.1	865.9	859.1	846.6	820.4	785.0	742.2	693.5	641.4
140°	790.1	811.0	824.2	831.8	824.2	811.0	790.1	756.9	717.1	674.5	630.0
142.5°	759.0	778.4	790.1	795.4	790.1	778.4	759.0	729.7	695.2	658.6	619.4
145°	715.3	731.4	740.9	745.6	740.9	731.4	715.3	691.6	665.0	636.7	604.5
147.5°	678.7	692.5	699.8	701.4	699.8	692.5	678.7	661.3	640.4	617.7	592.2
150°	657.5	669.8	675.5	676.5	675.5	669.8	657.5	642.3	625.3	606.3	584.6
152.5°	639.3	649.3	652.7	653.7	652.7	649.3	639.3	626.4	612.4	594.9	576.2
155°	613.9	621.5	624.4	624.4	624.4	621.5	613.9	604.5	593.0	578.9	563.7
157.5°	591.2	596.9	598.6	598.6	598.6	596.9	591.2	584.0	574.9	563.0	550.2
160°	576.0	581.7	582.6	582.6	582.6	581.7	576.0	570.3	562.7	552.3	541.9
162.5°	561.6	567.3	568.3	567.4	568.3	567.3	561.6	557.4	550.7	542.5	533.5
165°	542.8	546.7	545.7	544.8	545.7	546.7	542.8	539.1	534.3	527.7	522.0
167.5°	525.2	527.7	527.5	526.8	527.5	527.7	525.2	523.3	520.5	515.2	510.9
170°	515.4	516.3	515.4	515.4	515.4	516.3	515.4	513.5	510.6	506.9	504.0
172.5°	505.5	506.5	505.5	504.0	505.5	506.5	505.5	504.3	502.3	500.0	497.9
175°	492.6	494.6	492.6	490.7	492.6	494.6	492.6	492.6	492.6	490.7	489.8
177.5°	485.3	486.0	484.5	483.0	484.5	486.0	485.3	486.0	485.3	485.3	484.5
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2



TEST NUMBER: P332573-930

CATALOG NUMBER: SA4XXDIP-C575D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	732.0	733.0	737.1	740.9	745.4	748.8	751.1	753.6	758.9	763.2	767.3
5°	685.8	687.4	695.7	701.4	711.2	719.7	726.4	733.7	742.3	754.0	764.8
7.5°	645.1	651.1	660.1	669.4	679.4	690.6	700.3	711.3	726.1	742.2	758.9
10°	622.1	628.8	638.2	649.1	658.5	671.6	683.6	696.6	713.4	733.1	752.8
12.5°	599.0	609.9	617.2	630.0	640.3	651.0	663.8	680.9	700.5	721.1	744.9
15°	570.1	576.1	590.0	597.0	611.6	628.1	640.7	657.9	676.9	704.3	730.8
17.5°	536.6	544.6	555.7	569.0	585.8	598.7	614.5	632.1	656.1	683.1	716.6
20°	514.9	521.5	535.2	549.8	567.5	581.1	597.9	615.1	639.8	668.7	703.6
22.5°	495.3	501.7	516.1	529.7	547.0	563.6	581.2	601.1	624.8	655.3	690.9
25°	465.0	473.6	486.3	500.3	516.7	535.8	554.8	572.6	597.9	630.0	668.1
27.5°	438.2	445.1	454.3	470.1	488.9	507.2	526.1	548.5	572.8	606.7	646.2
30°	420.9	427.3	436.5	451.1	468.6	488.2	507.8	529.5	554.8	588.4	628.8
32.5°	407.2	412.1	420.3	433.3	449.2	469.9	489.3	511.7	538.3	571.4	610.7
35°	387.0	391.1	394.3	406.7	420.9	440.0	459.7	483.5	509.2	540.5	579.8
37.5°	367.1	368.5	373.2	381.3	395.1	412.6	430.9	454.3	480.6	512.6	548.0
40°	355.0	355.6	358.5	366.1	378.1	394.6	412.4	435.5	460.6	490.7	525.9
42.5°	343.1	342.7	345.3	350.6	361.9	376.8	394.4	415.5	440.6	468.4	501.6
45°	324.2	324.2	323.6	328.0	337.2	351.8	366.4	386.7	407.6	434.9	462.8
47.5°	304.5	302.7	303.3	305.6	313.3	325.3	340.1	356.7	375.1	398.3	422.7
50°	291.9	289.3	288.4	290.9	297.8	308.3	322.3	336.9	354.3	374.6	395.6
52.5°	277.9	275.3	273.6	275.4	281.8	291.6	304.3	317.1	332.7	349.3	367.4
55°	256.3	253.5	252.5	253.2	257.9	265.5	276.3	288.0	299.8	313.4	326.1
57.5°	235.1	230.4	229.5	229.2	232.4	239.5	248.4	258.6	267.2	275.4	288.9
60°	221.1	215.4	213.5	213.2	215.7	221.4	229.7	239.8	245.8	251.5	263.3
62.5°	206.1	200.6	196.5	196.9	199.2	204.6	211.9	219.2	223.2	229.5	237.4
65°	183.0	176.0	172.8	171.9	173.2	177.7	183.4	188.1	192.6	195.1	202.7
67.5°	160.0	154.1	149.4	148.3	147.7	150.7	155.4	158.3	161.4	163.7	168.2
70°	143.7	138.6	132.9	131.0	130.7	133.2	137.7	138.0	142.4	143.4	148.1
72.5°	127.7	121.4	117.4	115.5	114.2	116.5	119.4	120.3	122.6	124.3	126.9
75°	102.8	98.0	94.2	91.4	90.4	91.6	91.6	93.3	94.8	95.8	98.7
77.5°	80.9	75.4	70.9	69.3	68.2	67.3	68.0	69.0	68.2	69.9	70.5
80°	65.6	59.9	56.5	55.8	53.9	52.3	52.0	53.0	51.7	52.3	54.2
82.5°	50.7	47.0	43.3	42.6	40.2	39.4	39.1	38.5	38.5	38.4	38.7
85°	30.2	27.9	25.4	23.8	22.8	21.3	21.3	20.6	20.0	19.3	19.6
87.5°	15.4	15.1	13.5	12.3	11.8	9.6	9.6	8.7	8.2	7.4	6.8
90°	16.1	17.0	15.2	13.3	13.3	7.6	7.6	6.6	5.7	2.9	1.0
92.5°	250.3	300.5	263.0	191.4	117.9	69.7	50.1	36.2	24.6	15.7	10.8
95°	793.9	772.1	582.6	356.2	200.8	118.5	78.6	55.9	43.6	34.1	31.2
97.5°	997.4	813.3	545.3	320.2	191.9	128.5	95.1	75.6	64.2	56.1	56.1
100°	1004.2	761.7	494.6	301.3	194.2	138.4	108.0	90.0	78.6	72.0	72.0
102.5°	947.4	697.2	460.4	296.0	201.8	151.2	122.4	105.2	94.6	88.7	87.2
105°	844.1	621.5	431.0	298.4	219.8	174.3	146.8	129.8	118.5	113.7	110.9
107.5°	760.8	579.0	425.7	312.4	240.8	199.2	172.0	155.7	143.7	138.8	137.0
110°	719.1	564.7	427.3	323.0	256.7	215.1	189.5	172.4	161.0	156.3	154.4



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	695.5	557.8	431.8	334.4	271.9	231.7	206.2	189.1	178.5	173.0	171.1
115°	673.6	554.2	440.5	352.5	295.5	257.7	232.1	214.1	204.6	198.0	195.2
117.5°	663.7	553.3	449.8	370.8	318.5	282.5	256.0	239.1	228.7	222.8	220.1
120°	658.4	553.3	456.6	383.7	334.4	298.4	271.9	255.8	245.4	238.7	236.8
122.5°	652.4	552.5	463.5	395.8	349.6	313.6	287.8	270.2	260.6	253.9	252.0
125°	642.3	551.4	473.7	414.0	370.4	336.3	309.8	291.8	281.4	275.7	271.9
127.5°	628.8	549.3	481.8	429.7	389.7	356.8	330.0	311.3	299.4	292.5	289.5
130°	620.5	548.5	487.9	439.6	402.7	370.4	342.9	325.0	310.7	303.1	299.4
132.5°	612.9	547.8	493.2	449.5	413.3	381.1	355.1	335.6	322.1	312.3	309.2
135°	601.6	546.7	501.2	462.4	428.2	397.0	372.3	352.5	336.3	326.9	323.0
137.5°	591.7	546.4	505.9	471.4	439.6	410.4	386.9	366.2	350.9	340.5	336.9
140°	586.4	545.7	509.7	477.4	447.2	418.7	396.0	376.1	360.0	349.6	346.7
142.5°	581.9	545.7	512.7	482.0	454.0	426.3	404.3	385.2	369.8	360.2	357.3
145°	574.1	543.8	514.5	487.0	461.4	436.8	415.9	397.9	384.7	375.2	372.3
147.5°	567.1	540.4	515.4	491.3	469.0	445.8	427.1	412.1	398.4	390.1	389.1
150°	561.8	538.1	515.4	493.6	472.7	451.9	433.9	419.7	408.3	400.7	399.8
152.5°	555.7	534.3	513.9	495.1	475.8	457.2	440.8	428.0	417.4	409.9	409.6
155°	546.7	528.6	511.6	496.4	480.3	464.2	450.0	439.6	430.1	424.4	423.5
157.5°	537.4	522.8	509.2	496.4	483.6	469.9	458.7	449.6	442.2	436.9	436.9
160°	530.5	518.2	506.9	496.4	485.0	473.7	463.3	455.7	449.1	445.2	445.2
162.5°	524.5	513.6	504.6	496.4	486.6	476.0	467.8	461.0	455.1	452.1	452.8
165°	514.5	506.9	500.2	494.6	487.0	478.4	472.7	468.0	463.3	461.4	461.4
167.5°	505.3	500.0	495.7	492.3	486.7	480.5	476.1	473.5	469.9	469.0	469.9
170°	499.3	495.5	492.6	490.7	486.0	481.3	478.4	476.5	473.7	472.7	473.7
172.5°	494.0	490.9	489.6	489.3	485.3	482.0	480.0	478.8	476.7	476.5	477.4
175°	487.9	486.0	486.0	487.0	484.1	482.2	482.2	481.3	480.3	480.3	481.3
177.5°	483.7	483.0	483.0	484.5	483.0	482.2	482.2	482.2	481.4	482.2	483.0
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2



TEST NUMBER: P332573-930

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	770.9	773.4	776.7	782.3	784.3	786.8	790.4	790.1	791.2	794.9	803.1
5°	773.7	783.5	793.0	804.5	816.5	824.4	835.3	841.9	848.6	857.1	871.7
7.5°	774.9	790.4	807.9	827.9	845.8	866.3	882.4	897.5	911.1	929.2	946.6
10°	773.1	794.0	816.5	841.9	868.9	891.7	912.3	935.8	955.8	977.6	997.4
12.5°	769.7	795.0	825.2	853.5	885.1	918.8	944.5	968.2	994.8	1020.0	1050.4
15°	762.3	796.9	832.1	869.5	911.7	950.7	987.8	1018.6	1047.2	1084.9	1124.5
17.5°	752.8	790.0	834.5	879.8	923.9	968.5	1014.4	1060.6	1096.7	1143.5	1174.6
20°	743.9	787.0	832.7	886.6	930.7	986.3	1031.9	1076.6	1126.1	1172.7	1209.9
22.5°	731.4	778.6	827.1	880.8	938.8	994.3	1047.2	1095.7	1145.2	1195.9	1240.8
25°	715.7	758.5	815.9	876.8	934.5	994.8	1055.4	1116.3	1169.5	1223.2	1265.1
27.5°	688.8	742.8	796.3	859.2	923.3	991.5	1056.3	1120.1	1175.8	1219.9	1245.9
30°	675.1	721.9	780.1	843.2	912.6	985.9	1053.4	1116.0	1168.0	1203.2	1213.7
32.5°	654.8	703.2	760.0	825.4	898.9	974.2	1044.6	1103.5	1147.0	1165.4	1152.8
35°	624.6	668.4	725.8	792.7	869.2	949.4	1018.9	1068.7	1091.0	1073.5	1030.0
37.5°	588.4	631.9	689.5	755.2	834.4	915.9	978.8	1014.6	1007.2	963.8	899.0
40°	563.0	603.6	658.5	729.6	806.7	888.5	943.7	963.1	942.8	880.6	811.8
42.5°	534.9	574.5	629.6	698.1	779.8	855.2	903.4	905.0	871.0	796.6	727.5
45°	492.0	529.8	581.8	653.1	728.6	799.7	831.4	815.9	753.1	681.3	611.9
47.5°	449.7	482.4	533.7	601.4	673.1	733.0	748.7	720.7	653.8	584.2	519.8
50°	418.7	451.8	499.9	564.7	633.8	685.5	693.1	656.0	590.4	520.2	469.8
52.5°	389.1	421.8	468.2	528.1	591.4	638.1	638.3	595.3	529.9	467.5	420.5
55°	345.4	375.0	416.9	470.4	526.9	563.4	554.5	510.1	453.3	399.1	358.2
57.5°	303.5	329.1	367.7	412.5	462.2	492.3	477.5	434.8	384.1	338.1	307.0
60°	276.3	300.7	333.7	375.9	417.8	441.2	427.3	388.6	341.9	304.8	277.9
62.5°	249.9	270.5	302.2	338.8	377.6	395.1	382.6	344.5	304.2	270.6	248.7
65°	212.5	229.3	254.7	286.2	314.4	329.3	318.8	283.2	252.5	228.4	210.9
67.5°	177.7	190.8	210.0	235.2	259.2	267.3	257.7	232.9	206.9	187.6	175.3
70°	153.5	165.9	182.1	201.5	222.3	231.0	221.4	201.8	180.5	162.7	150.7
72.5°	132.5	142.0	155.7	172.3	188.6	197.2	190.7	171.8	153.8	140.6	130.4
75°	100.9	109.1	118.6	130.4	143.1	148.8	143.1	130.0	117.6	107.9	100.5
77.5°	73.4	77.8	85.1	93.9	101.8	106.2	101.3	92.5	84.9	78.2	74.5
80°	55.8	59.0	64.1	71.1	76.5	80.6	77.4	70.1	64.1	59.6	58.0
82.5°	40.6	42.7	46.1	51.3	54.9	57.0	55.6	50.3	47.9	43.9	42.3
85°	20.0	21.3	23.5	25.0	28.2	28.5	28.9	26.7	24.5	23.5	22.2
87.5°	7.4	8.2	9.2	10.1	11.2	12.6	12.3	12.6	12.1	11.6	10.8
90°	2.9	5.7	6.6	7.6	7.6	13.3	13.3	15.2	17.0	16.1	17.0
92.5°	15.7	24.6	36.2	50.1	69.7	117.9	191.4	263.0	300.5	250.3	186.1
95°	34.1	43.6	55.9	78.6	118.5	200.8	356.2	582.6	772.1	793.9	702.0
97.5°	56.1	64.2	75.6	95.1	128.5	191.9	320.2	545.3	813.3	997.4	1037.2
100°	72.0	78.6	90.0	108.0	138.4	194.2	301.3	494.6	761.7	1004.2	1142.6
102.5°	88.7	94.6	105.2	122.4	151.2	201.8	296.0	460.4	697.2	947.4	1137.3
105°	113.7	118.5	129.8	146.8	174.3	219.8	298.4	431.0	621.5	844.1	1061.0
107.5°	138.8	143.7	155.7	172.0	199.2	240.8	312.4	425.7	579.0	760.8	952.8
110°	156.3	161.0	172.4	189.5	215.1	256.7	323.0	427.3	564.7	719.1	887.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	173.0	178.5	189.1	206.2	231.7	271.9	334.4	431.8	557.8	695.5	839.9
115°	198.0	204.6	214.1	232.1	257.7	295.5	352.5	440.5	554.2	673.6	792.0
117.5°	222.8	228.7	239.1	256.0	282.5	318.5	370.8	449.8	553.3	663.7	768.5
120°	238.7	245.4	255.8	271.9	298.4	334.4	383.7	456.6	553.3	658.4	757.9
122.5°	253.9	260.6	270.2	287.8	313.6	349.6	395.8	463.5	552.5	652.4	748.8
125°	275.7	281.4	291.8	309.8	336.3	370.4	414.0	473.7	551.4	642.3	733.3
127.5°	292.5	299.4	311.3	330.0	356.8	389.7	429.7	481.8	549.3	628.8	714.3
130°	303.1	310.7	325.0	342.9	370.4	402.7	439.6	487.9	548.5	620.5	699.2
132.5°	312.3	322.1	335.6	355.1	381.1	413.3	449.5	493.2	547.8	612.9	683.2
135°	326.9	336.3	352.5	372.3	397.0	428.2	462.4	501.2	546.7	601.6	661.3
137.5°	340.5	350.9	366.2	386.9	410.4	439.6	471.4	505.9	546.4	591.7	641.4
140°	349.6	360.0	376.1	396.0	418.7	447.2	477.4	509.7	545.7	586.4	630.0
142.5°	360.2	369.8	385.2	404.3	426.3	454.0	482.0	512.7	545.7	581.9	619.4
145°	375.2	384.7	397.9	415.9	436.8	461.4	487.0	514.5	543.8	574.1	604.5
147.5°	390.1	398.4	412.1	427.1	445.8	469.0	491.3	515.4	540.4	567.1	592.2
150°	400.7	408.3	419.7	433.9	451.9	472.7	493.6	515.4	538.1	561.8	584.6
152.5°	409.9	417.4	428.0	440.8	457.2	475.8	495.1	513.9	534.3	555.7	576.2
155°	424.4	430.1	439.6	450.0	464.2	480.3	496.4	511.6	528.6	546.7	563.7
157.5°	436.9	442.2	449.6	458.7	469.9	483.6	496.4	509.2	522.8	537.4	550.2
160°	445.2	449.1	455.7	463.3	473.7	485.0	496.4	506.9	518.2	530.5	541.9
162.5°	452.1	455.1	461.0	467.8	476.0	486.6	496.4	504.6	513.6	524.5	533.5
165°	461.4	463.3	468.0	472.7	478.4	487.0	494.6	500.2	506.9	514.5	522.0
167.5°	469.0	469.9	473.5	476.1	480.5	486.7	492.3	495.7	500.0	505.3	510.9
170°	472.7	473.7	476.5	478.4	481.3	486.0	490.7	492.6	495.5	499.3	504.0
172.5°	476.5	476.7	478.8	480.0	482.0	485.3	489.3	489.6	490.9	494.0	497.9
175°	480.3	480.3	481.3	482.2	482.2	484.1	487.0	486.0	486.0	487.9	489.8
177.5°	482.2	481.4	482.2	482.2	482.2	483.0	484.5	483.0	483.0	483.7	484.5
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	807.1	807.6	809.9	811.7	812.2	814.7	815.0
5°	878.1	883.5	893.9	894.9	896.4	904.7	898.4
7.5°	961.2	974.9	984.0	992.1	995.0	998.6	997.8
10°	1014.5	1034.8	1044.9	1061.1	1061.8	1065.8	1063.3
12.5°	1068.0	1091.6	1110.1	1113.1	1126.7	1128.8	1132.4
15°	1143.9	1169.0	1194.7	1203.9	1222.5	1227.0	1234.0
17.5°	1215.2	1240.8	1258.8	1282.6	1290.3	1300.6	1293.6
20°	1254.3	1282.2	1305.0	1323.7	1331.7	1337.4	1336.8
22.5°	1277.9	1306.0	1324.5	1338.7	1346.1	1348.6	1348.4
25°	1292.7	1308.9	1314.6	1320.0	1311.7	1308.9	1310.1
27.5°	1251.6	1247.3	1232.5	1212.9	1192.6	1176.5	1167.8
30°	1195.0	1170.2	1147.7	1108.4	1088.0	1076.0	1065.2
32.5°	1114.8	1075.5	1032.3	996.2	973.1	955.2	952.5
35°	977.4	918.4	865.4	821.3	798.4	779.1	774.6
37.5°	831.0	769.6	721.9	683.1	658.5	644.9	632.2
40°	733.7	681.1	634.1	601.1	582.4	572.6	564.7
42.5°	658.8	610.7	564.1	538.9	522.0	516.0	511.4
45°	555.5	510.7	478.3	459.3	449.5	439.4	434.6
47.5°	472.6	436.3	414.9	398.8	388.2	382.2	379.1
50°	425.7	395.9	376.8	364.5	355.0	350.2	347.6
52.5°	384.1	359.6	343.6	333.8	327.3	323.8	322.8
55°	330.8	312.2	302.0	293.4	288.7	285.5	284.2
57.5°	287.6	273.2	265.0	257.9	256.1	253.4	252.5
60°	259.2	248.1	241.1	236.4	234.7	231.5	232.2
62.5°	234.1	224.9	219.0	216.3	214.2	211.5	212.4
65°	198.0	191.3	188.1	185.6	183.0	181.5	182.7
67.5°	166.1	161.5	157.2	155.7	154.5	154.3	152.9
70°	145.3	141.5	137.7	136.7	136.7	135.4	135.1
72.5°	125.2	122.5	119.9	119.2	118.2	118.7	117.4
75°	96.8	94.5	93.6	92.6	92.3	92.3	91.4
77.5°	71.5	69.9	68.3	68.3	67.2	66.8	66.6
80°	54.2	53.6	52.3	52.3	51.7	52.0	51.4
82.5°	40.8	39.9	39.6	39.1	38.2	38.3	37.7
85°	21.9	21.0	20.6	19.6	19.0	19.6	19.0
87.5°	11.3	11.2	10.9	10.6	10.5	10.4	9.5
90°	18.0	18.9	18.9	19.9	20.9	19.9	19.9
92.5°	140.0	111.5	92.5	81.3	76.1	73.0	73.0
95°	555.1	428.2	336.3	289.9	260.6	243.4	231.1
97.5°	982.6	890.0	791.1	723.0	666.0	637.6	617.9
100°	1161.5	1115.1	1045.0	962.5	904.7	876.4	868.8
102.5°	1231.2	1244.6	1215.4	1164.9	1123.0	1093.1	1087.0
105°	1225.0	1318.7	1357.6	1359.5	1351.9	1338.6	1332.9
107.5°	1127.4	1259.5	1343.9	1390.7	1412.3	1421.8	1424.3
110°	1051.6	1189.0	1293.1	1360.4	1400.2	1417.3	1425.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	984.9	1114.7	1218.9	1295.3	1343.4	1367.3	1381.1
115°	908.6	1019.4	1110.4	1185.2	1242.0	1272.4	1279.9
117.5°	865.0	952.1	1029.2	1093.1	1140.8	1171.5	1177.4
120°	846.0	921.8	989.0	1043.1	1084.8	1109.4	1119.8
122.5°	833.9	902.9	961.8	1007.5	1043.1	1063.9	1074.3
125°	814.7	880.1	932.2	970.1	997.6	1015.6	1021.2
127.5°	792.2	857.4	906.9	944.9	969.4	984.6	990.2
130°	774.0	838.5	888.7	927.5	951.1	966.3	972.0
132.5°	753.6	816.4	866.7	904.7	931.5	945.8	951.5
135°	722.8	780.6	828.0	865.9	892.4	907.6	913.3
137.5°	693.5	742.2	785.0	820.4	846.6	859.1	865.9
140°	674.5	717.1	756.9	790.1	811.0	824.2	831.8
142.5°	658.6	695.2	729.7	759.0	778.4	790.1	795.4
145°	636.7	665.0	691.6	715.3	731.4	740.9	745.6
147.5°	617.7	640.4	661.3	678.7	692.5	699.8	701.4
150°	606.3	625.3	642.3	657.5	669.8	675.5	676.5
152.5°	594.9	612.4	626.4	639.3	649.3	652.7	653.7
155°	578.9	593.0	604.5	613.9	621.5	624.4	624.4
157.5°	563.0	574.9	584.0	591.2	596.9	598.6	598.6
160°	552.3	562.7	570.3	576.0	581.7	582.6	582.6
162.5°	542.5	550.7	557.4	561.6	567.3	568.3	567.4
165°	527.7	534.3	539.1	542.8	546.7	545.7	544.8
167.5°	515.2	520.5	523.3	525.2	527.7	527.5	526.8
170°	506.9	510.6	513.5	515.4	516.3	515.4	515.4
172.5°	500.0	502.3	504.3	505.5	506.5	505.5	504.0
175°	490.7	492.6	492.6	492.6	494.6	492.6	490.7
177.5°	485.3	485.3	486.0	485.3	486.0	484.5	483.0
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2

(END OF REPORT)