

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: P332907-940

Luminaire Tested: **SA4XXRDIP-C575D810U940-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332907-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C575D810U940-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5063.0 lumens
Efficiency: N/A
Efficacy: 131.8 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

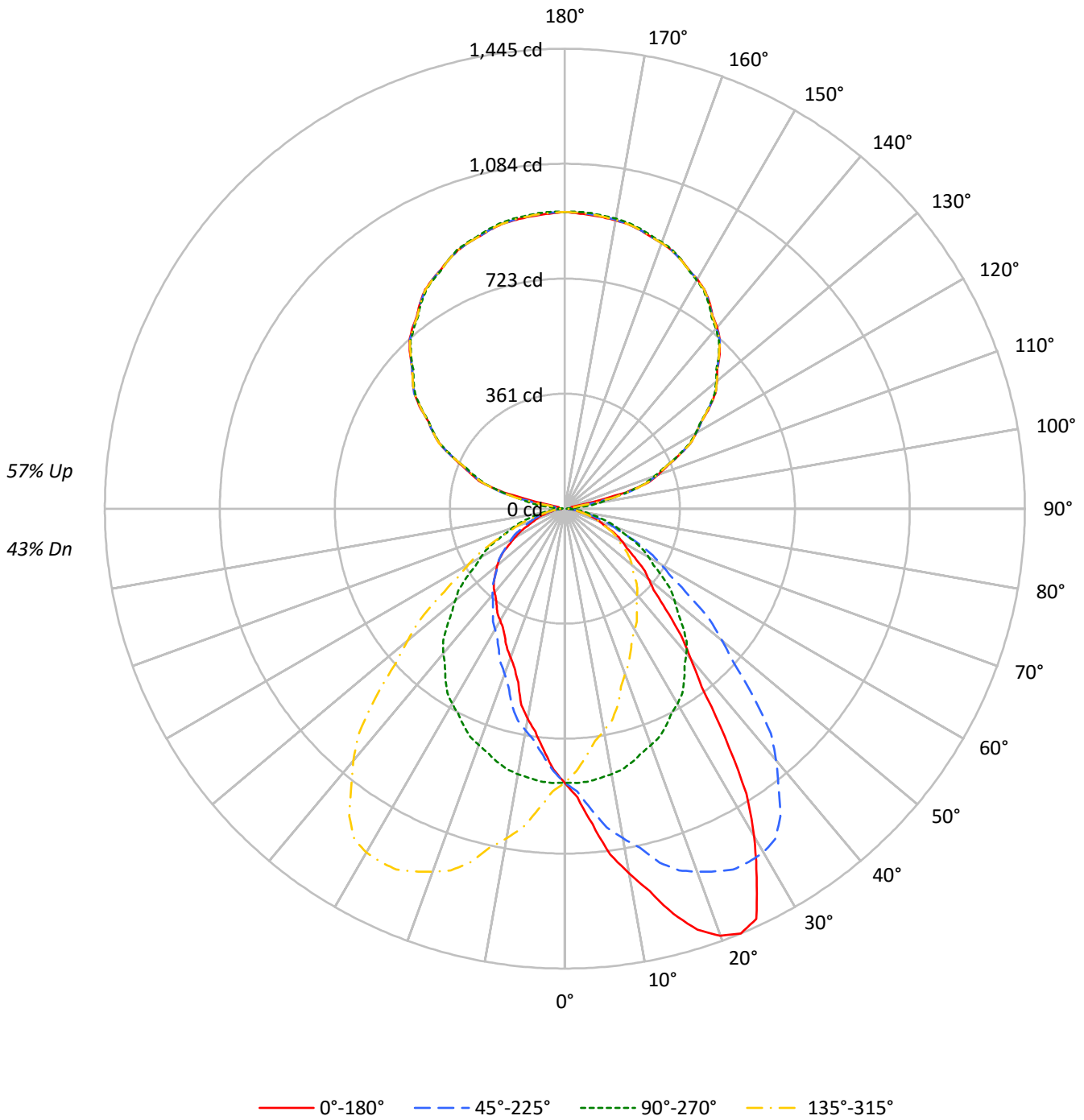
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43				
1	97	93	89	85	88	85	82	79	70	68	66	57	55	54	45	44	43	37				
2	88	81	75	70	81	75	69	65	62	58	55	50	48	46	40	38	37	32				
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	35	33	32	27				
4	74	64	56	50	67	59	52	47	49	44	40	40	37	34	32	29	27	24				
5	68	57	49	43	62	52	45	40	44	39	35	36	32	29	29	26	24	21				
6	63	51	43	38	57	47	40	35	40	34	30	33	29	26	26	24	21	18				
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	24	21	19	16				
8	54	42	34	29	49	39	32	27	33	28	24	27	23	21	22	19	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	18	16	13				
10	47	35	28	23	43	33	26	22	28	23	19	23	19	17	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6952	6952	6952	6952
5°	8064	6972	6163	6972
10°	9539	6942	5501	6942
15°	11019	6878	4726	6878
20°	12269	6790	4274	6790
25°	12665	6703	3968	6703
30°	11087	6598	3784	6598
35°	8630	6441	3672	6441
40°	6472	6263	3613	6263
45°	5109	5977	3580	5977
50°	4314	5647	3478	5647
55°	3761	5284	3291	5284
60°	3384	4907	2913	4907
65°	2982	4500	2506	4500
70°	2686	4079	2261	4079
75°	2249	3615	1928	3615
80°	1901	3082	1808	3082
85°	1612	2408	1612	2408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	1.6
10°-20°	251.7	5.0
20°-30°	393.7	7.8
30°-40°	437.6	8.6
40°-50°	388.3	7.7
50°-60°	302.5	6.0
60°-70°	198.1	3.9
70°-80°	97.4	1.9
80°-90°	26.7	0.5
90°-100°	31.9	0.6
100°-110°	203.3	4.0
110°-120°	388.9	7.7
120°-130°	493.7	9.8
130°-140°	528.2	10.4
140°-150°	493.9	9.8
150°-160°	398.3	7.9
160°-170°	256.9	5.1
170°-180°	88.5	1.7
0°-30°	728.8	14.4
0°-40°	1166.4	23.0
0°-60°	1857.2	36.7
0°-90°	2179.4	43.0
90°-120°	624.1	12.3
90°-150°	2139.8	42.3
90°-180°	2884.0	57.0
0°-180°	5063.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	861	861	861	861	861	
5°	995	860	760	860	995	101
15°	1318	823	566	823	1318	375
25°	1422	752	446	752	1422	631
35°	876	654	373	654	876	549
45°	448	524	314	524	448	354
55°	267	375	234	375	267	243
65°	156	236	131	236	156	157
75°	72	116	62	116	72	79
85°	17	26	17	26	17	20
90°	21	2	21	2	21	10
95°	20	38	20	38	20	16
105°	199	210	199	210	199	173
115°	395	392	395	392	395	391
125°	555	551	555	551	555	494
135°	688	683	688	683	688	530
145°	792	788	792	788	792	495
155°	863	864	863	864	863	398
165°	907	911	907	911	907	256
175°	927	932	927	932	927	88
180°	932	932	932	932	932	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	908.3	910.8	908.3	908.0	905.3	904.5	903.3	899.7	893.0	889.1	890.0
5°	995.1	1003.7	998.9	998.2	990.5	982.9	978.0	967.0	955.1	947.2	940.6
7.5°	1095.4	1100.4	1097.3	1092.4	1080.1	1073.1	1061.8	1047.2	1026.1	1009.9	995.1
10°	1163.7	1167.8	1166.4	1157.4	1148.4	1130.0	1119.6	1099.1	1072.4	1051.2	1031.4
12.5°	1230.8	1235.3	1223.1	1223.5	1206.4	1191.9	1175.4	1149.7	1118.7	1091.5	1066.8
15°	1318.4	1312.9	1312.9	1305.9	1286.8	1266.7	1249.7	1222.6	1183.7	1151.2	1116.9
17.5°	1387.0	1388.9	1386.1	1369.7	1354.7	1333.9	1302.7	1271.1	1235.0	1191.2	1156.2
20°	1428.1	1428.1	1425.0	1413.8	1394.4	1372.2	1338.5	1304.2	1258.4	1214.3	1174.7
22.5°	1444.7	1445.8	1442.2	1433.0	1415.5	1393.8	1365.2	1330.3	1283.1	1233.5	1184.5
25°	1421.8	1428.3	1429.1	1426.6	1421.5	1408.3	1383.7	1347.9	1305.6	1251.8	1199.1
27.5°	1305.4	1313.7	1321.0	1332.9	1348.9	1357.3	1358.3	1340.2	1303.2	1251.5	1198.5
30°	1189.4	1196.2	1218.8	1248.3	1271.2	1292.0	1310.1	1314.9	1294.1	1247.6	1191.8
32.5°	1060.5	1070.0	1092.5	1124.3	1162.4	1197.7	1238.2	1258.8	1258.3	1230.4	1178.8
35°	875.7	882.6	903.5	936.7	982.6	1034.9	1099.1	1149.1	1183.1	1180.6	1149.1
37.5°	706.2	714.1	735.1	762.8	807.2	872.0	934.2	1003.0	1065.9	1101.2	1090.6
40°	614.1	614.5	634.9	663.3	705.0	761.5	829.2	905.5	975.6	1032.9	1043.9
42.5°	541.4	541.4	555.0	585.7	615.6	668.9	733.4	809.2	891.3	957.3	986.8
45°	447.5	450.7	461.8	480.2	503.7	548.8	600.6	671.0	762.9	841.3	890.3
47.5°	379.0	383.6	390.7	405.6	424.5	454.5	497.2	560.5	635.3	721.6	791.2
50°	343.5	344.2	353.2	361.5	377.8	401.8	439.3	492.0	560.7	643.5	720.9
52.5°	313.0	312.8	318.3	328.8	342.1	360.7	390.9	439.0	499.9	574.2	654.1
55°	267.2	268.9	273.0	281.3	291.4	304.6	328.6	364.6	412.5	476.0	548.5
57.5°	232.3	233.2	236.5	240.0	249.2	258.9	276.8	301.8	342.2	394.2	461.8
60°	209.6	209.9	211.0	216.2	223.5	232.5	244.6	265.7	299.8	347.3	400.7
62.5°	187.3	188.0	189.6	193.4	199.0	205.3	217.9	235.0	263.1	303.7	351.9
65°	156.1	156.5	158.9	160.3	164.8	170.3	179.7	191.2	210.6	244.6	281.1
67.5°	130.5	130.5	130.5	132.5	135.6	139.3	144.9	154.1	168.7	189.6	221.7
70°	113.8	113.8	114.5	115.6	117.3	120.4	123.5	130.5	141.2	158.2	182.8
72.5°	98.3	98.5	99.2	99.4	100.3	102.9	105.2	109.6	117.6	130.5	150.3
75°	72.1	73.2	74.9	76.3	78.0	77.8	80.2	82.9	85.3	93.0	104.4
77.5°	53.7	53.1	53.3	54.6	54.8	55.1	56.8	58.9	60.8	64.4	68.5
80°	40.9	40.9	42.0	42.4	42.0	42.4	44.1	45.1	45.8	47.2	51.0
82.5°	30.9	31.5	31.1	31.5	31.7	32.1	33.5	33.7	34.4	35.0	36.6
85°	17.4	17.7	18.0	17.4	17.4	17.4	18.0	18.4	19.1	18.7	19.4
87.5°	10.3	10.0	10.2	10.1	10.3	9.9	10.0	10.3	9.6	9.7	9.5
90°	21.0	20.6	20.3	20.0	19.7	19.1	18.1	17.2	16.2	15.3	14.1
92.5°	19.3	19.2	19.1	19.1	19.0	18.5	17.6	16.7	15.7	14.8	13.6
95°	20.2	20.1	19.9	19.8	19.6	19.1	18.1	17.2	16.2	15.3	15.2
97.5°	19.5	19.4	19.2	19.1	18.9	18.8	18.7	18.6	18.5	18.4	35.7
100°	19.5	19.4	19.2	19.1	18.9	20.2	22.7	25.4	28.0	30.7	52.1
102.5°	20.1	20.1	20.0	20.0	20.0	34.2	62.6	91.0	119.4	147.8	150.6
105°	198.7	204.3	209.8	215.4	221.1	223.1	221.7	220.3	218.9	217.5	216.8
107.5°	277.0	276.3	275.7	275.2	274.6	273.9	273.2	272.6	271.9	271.3	270.2
110°	310.9	310.5	310.0	309.6	309.1	308.7	308.4	308.1	307.8	307.5	306.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	345.0	344.4	343.8	343.2	342.6	342.3	342.4	342.5	342.6	342.6	342.1
115°	394.7	394.7	394.7	394.7	394.7	394.5	394.1	393.9	393.5	393.2	393.4
117.5°	445.1	445.1	445.2	445.3	445.3	445.4	445.5	445.5	445.6	445.7	445.3
120°	476.9	477.2	477.5	477.9	478.1	478.1	477.9	477.5	477.2	476.9	477.1
122.5°	508.1	508.5	508.7	509.1	509.3	509.4	509.3	509.1	508.9	508.7	508.5
125°	555.0	554.8	554.6	554.6	554.4	554.0	553.6	553.1	552.7	552.2	552.5
127.5°	596.1	596.3	596.4	596.5	596.6	596.7	596.8	596.9	597.0	597.1	596.4
130°	624.0	624.0	624.0	624.0	624.0	623.9	623.8	623.7	623.5	623.3	622.9
132.5°	649.7	649.8	649.9	650.1	650.1	650.1	650.0	649.9	649.7	649.5	648.9
135°	688.1	687.9	687.5	687.2	686.9	686.6	686.3	686.0	685.6	685.4	684.7
137.5°	721.0	721.1	721.2	721.3	721.4	721.3	720.9	720.6	720.3	720.0	719.3
140°	744.0	743.8	743.6	743.5	743.3	743.0	742.5	742.1	741.6	741.1	740.8
142.5°	762.9	762.9	762.9	762.8	762.8	762.6	762.2	761.9	761.6	761.3	761.1
145°	792.0	791.8	791.4	791.1	790.8	790.6	790.4	790.2	790.1	790.0	790.0
147.5°	816.2	816.0	815.8	815.7	815.6	815.4	815.3	815.2	815.0	814.9	815.0
150°	831.8	831.6	831.4	831.3	831.2	831.1	831.1	831.1	831.1	831.1	831.3
152.5°	845.2	845.3	845.3	845.4	845.5	845.4	845.3	845.0	844.7	844.5	844.7
155°	863.2	863.6	864.1	864.5	865.0	865.0	864.3	863.7	863.1	862.5	862.9
157.5°	878.2	879.0	879.9	880.7	881.5	881.5	880.7	879.9	879.0	878.2	878.8
160°	888.2	889.2	890.1	891.1	892.0	892.0	891.1	890.1	889.2	888.2	888.4
162.5°	896.1	897.2	898.1	899.2	900.3	900.4	899.4	898.5	897.6	896.6	896.8
165°	907.0	908.5	909.9	911.2	912.7	912.8	911.5	910.3	909.0	907.8	907.8
167.5°	915.3	916.9	918.4	920.0	921.5	921.6	920.2	918.9	917.5	916.1	916.2
170°	920.3	921.9	923.5	925.0	926.5	926.7	925.4	924.2	922.9	921.8	921.6
172.5°	923.1	924.8	926.5	928.2	929.8	930.1	928.8	927.6	926.3	925.1	924.9
175°	926.6	928.4	930.3	932.2	934.1	934.2	932.9	931.5	930.1	928.7	928.5
177.5°	928.8	930.3	931.8	933.3	934.8	935.0	934.1	933.1	932.0	931.0	930.9
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	887.3	883.3	881.4	876.9	871.6	868.9	866.4	862.8	858.1	853.1	849.4
5°	932.3	923.9	913.5	901.0	889.9	879.1	869.8	860.4	849.7	838.6	827.5
7.5°	978.5	962.1	944.4	923.9	904.0	885.9	869.2	853.3	835.3	819.0	804.3
10°	1010.7	988.5	963.9	937.8	911.8	889.2	867.0	846.9	824.7	804.9	788.3
12.5°	1036.8	1010.7	981.1	948.6	917.3	890.0	864.5	838.3	813.1	791.6	769.4
15°	1080.0	1044.3	1004.4	965.5	925.0	887.9	853.5	823.0	794.2	764.0	742.8
17.5°	1109.8	1067.4	1019.0	972.2	924.3	880.5	840.9	804.5	771.2	740.5	715.2
20°	1127.6	1080.8	1027.0	973.8	920.1	873.3	830.6	790.3	756.0	722.7	696.7
22.5°	1137.6	1085.7	1027.0	971.3	915.7	865.0	818.1	776.2	738.8	705.5	676.7
25°	1140.8	1085.2	1025.2	961.4	900.4	846.6	798.0	752.5	710.9	677.6	647.0
27.5°	1136.3	1070.9	1009.5	944.0	881.0	824.3	773.3	725.5	683.9	648.1	616.8
30°	1129.6	1059.6	993.6	925.7	861.8	807.4	753.6	707.8	664.4	627.3	595.8
32.5°	1115.3	1045.7	974.8	905.1	840.4	784.3	733.3	687.2	644.7	606.7	573.2
35°	1086.6	1016.2	939.1	867.7	804.2	745.9	698.0	653.6	613.1	572.5	537.1
37.5°	1048.9	977.0	900.4	822.2	758.6	703.6	659.6	618.0	578.3	541.3	502.0
40°	1013.4	947.9	868.8	791.0	725.9	672.7	632.1	594.3	554.5	517.6	478.4
42.5°	970.4	914.5	834.6	756.6	692.2	641.1	603.2	566.3	530.0	494.4	453.4
45°	898.6	856.3	781.3	706.4	641.5	590.8	556.2	523.5	491.6	457.6	419.1
47.5°	816.3	787.6	723.0	646.2	586.2	540.6	507.1	480.5	453.4	419.5	385.7
50°	759.1	740.7	678.3	608.2	551.0	509.0	474.7	449.6	427.1	394.5	364.3
52.5°	698.0	688.3	635.5	568.5	513.2	472.1	442.7	420.3	397.4	370.3	342.1
55°	605.1	610.3	565.5	507.6	455.6	420.9	394.1	375.4	356.0	333.1	311.2
57.5°	510.0	529.1	499.0	448.1	399.3	367.3	347.1	331.4	315.1	296.0	277.4
60°	453.1	469.0	452.1	407.3	364.6	334.8	316.1	303.9	287.6	270.3	256.0
62.5°	397.6	414.6	404.6	368.5	328.9	303.2	286.7	275.4	263.2	248.1	233.3
65°	327.9	338.9	334.1	309.2	281.1	259.1	243.9	235.6	224.4	213.4	200.2
67.5°	251.1	272.6	269.7	256.5	232.2	215.1	205.1	197.8	187.6	179.4	170.4
70°	206.4	226.2	225.9	215.1	201.9	185.9	179.1	172.8	163.7	155.8	148.5
72.5°	169.0	187.1	189.8	181.6	172.5	160.4	153.7	149.5	140.7	135.3	129.3
75°	118.3	131.5	135.0	135.0	130.8	124.6	118.7	115.9	109.6	104.8	101.3
77.5°	77.6	85.9	91.3	92.6	93.2	91.1	86.2	84.3	79.5	77.8	74.5
80°	54.8	60.4	66.6	68.7	70.4	69.7	67.7	66.3	61.8	60.0	58.7
82.5°	37.9	40.9	46.1	50.6	50.2	52.0	50.2	49.0	45.7	45.0	43.6
85°	19.8	20.2	20.8	23.9	25.7	26.4	26.8	26.0	25.0	25.0	22.6
87.5°	9.3	8.7	9.0	8.7	8.6	9.5	9.9	9.9	9.4	8.8	8.4
90°	12.8	11.6	10.3	8.9	7.2	5.5	3.8	2.1	3.8	5.5	7.2
92.5°	12.3	11.1	9.8	9.2	9.1	9.0	8.9	8.8	8.9	9.0	9.1
95°	15.1	14.9	14.7	17.3	22.6	27.8	33.1	38.3	33.1	27.8	22.6
97.5°	53.0	70.3	87.6	94.6	91.3	88.0	84.7	81.4	84.7	88.0	91.3
100°	73.5	94.8	116.2	125.5	122.7	119.9	117.2	114.3	117.2	119.9	122.7
102.5°	153.4	156.1	159.0	159.3	157.3	155.2	153.2	151.1	153.2	155.2	157.3
105°	216.0	215.2	214.5	213.6	212.7	211.7	210.8	209.8	210.8	211.7	212.7
107.5°	269.1	268.0	267.0	266.3	265.8	265.3	264.8	264.4	264.8	265.3	265.8
110°	305.6	304.7	303.7	303.1	302.6	302.1	301.7	301.2	301.7	302.1	302.6



TEST NUMBER: P332907-940

CATALOG NUMBER: SA4XXRDIP-C575D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	341.7	341.3	340.9	340.3	339.4	338.6	337.7	336.9	337.7	338.6	339.4
115°	393.5	393.7	393.9	393.7	393.2	392.8	392.3	391.8	392.3	392.8	393.2
117.5°	445.0	444.6	444.3	443.8	443.2	442.6	441.9	441.3	441.9	442.6	443.2
120°	477.2	477.3	477.5	477.2	476.7	476.1	475.5	474.8	475.5	476.1	476.7
122.5°	508.3	508.0	507.8	507.6	507.1	506.8	506.4	506.0	506.4	506.8	507.1
125°	552.9	553.1	553.4	553.3	552.7	552.1	551.4	550.8	551.4	552.1	552.7
127.5°	595.7	594.9	594.2	593.8	593.7	593.5	593.3	593.2	593.3	593.5	593.7
130°	622.4	621.9	621.4	621.2	621.0	620.8	620.7	620.5	620.7	620.8	621.0
132.5°	648.4	647.7	647.2	646.8	646.5	646.2	645.9	645.6	645.9	646.2	646.5
135°	684.1	683.5	682.9	682.7	682.8	683.0	683.1	683.3	683.1	683.0	682.8
137.5°	718.6	717.9	717.2	716.8	716.8	716.8	716.7	716.6	716.7	716.8	716.8
140°	740.6	740.2	739.9	739.6	739.3	739.0	738.7	738.3	738.7	739.0	739.3
142.5°	760.9	760.6	760.5	760.1	759.6	759.0	758.4	757.9	758.4	759.0	759.6
145°	790.0	790.0	790.0	789.7	789.3	788.8	788.4	787.8	788.4	788.8	789.3
147.5°	815.2	815.4	815.6	815.2	814.3	813.4	812.6	811.7	812.6	813.4	814.3
150°	831.4	831.5	831.7	831.4	830.9	830.3	829.6	829.0	829.6	830.3	830.9
152.5°	845.1	845.3	845.6	845.5	845.0	844.5	844.0	843.5	844.0	844.5	845.0
155°	863.4	863.9	864.3	864.5	864.3	864.2	864.0	863.9	864.0	864.2	864.3
157.5°	879.3	879.8	880.3	880.7	880.7	880.8	880.9	881.0	880.9	880.8	880.7
160°	888.6	888.8	888.9	889.2	889.7	890.1	890.6	891.1	890.6	890.1	889.7
162.5°	897.0	897.1	897.2	897.6	898.2	898.8	899.4	900.0	899.4	898.8	898.2
165°	907.8	907.8	907.8	908.2	908.9	909.7	910.5	911.2	910.5	909.7	908.9
167.5°	916.3	916.4	916.5	916.9	917.7	918.6	919.4	920.2	919.4	918.6	917.7
170°	921.4	921.2	921.1	921.5	922.4	923.4	924.3	925.2	924.3	923.4	922.4
172.5°	924.8	924.6	924.4	924.9	925.8	926.7	927.6	928.5	927.6	926.7	925.8
175°	928.4	928.3	928.1	928.4	929.4	930.3	931.2	932.2	931.2	930.3	929.4
177.5°	930.6	930.3	930.1	930.4	931.2	932.1	933.0	933.9	933.0	932.1	931.2
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2



TEST NUMBER: P332907-940

CATALOG NUMBER: SA4XXRDIP-C575D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	845.6	842.8	839.2	835.0	830.0	825.6	823.7	825.3	826.2	823.9	823.7
5°	819.8	811.2	804.2	793.8	785.5	778.6	773.6	771.6	772.3	766.8	765.4
7.5°	790.9	780.6	769.3	756.9	745.4	735.2	729.9	726.9	721.0	718.5	714.3
10°	772.3	758.4	747.3	732.7	719.6	707.4	701.5	696.7	690.8	688.0	682.1
12.5°	753.1	737.1	724.9	709.7	696.2	681.6	676.0	667.0	657.7	651.9	644.4
15°	726.1	706.8	691.8	673.8	657.8	641.1	626.2	609.6	603.3	590.1	582.6
17.5°	694.6	674.8	656.4	632.2	607.6	586.9	571.0	555.1	545.5	537.1	533.2
20°	673.8	655.8	630.1	602.0	574.5	551.6	538.8	528.4	518.0	512.1	507.9
22.5°	654.1	631.1	601.2	570.9	543.5	525.6	514.7	504.0	495.5	489.9	484.4
25°	621.1	590.8	559.3	524.6	505.9	490.3	478.4	469.8	464.6	457.3	454.5
27.5°	587.1	550.5	515.7	492.4	472.9	458.6	448.4	441.8	435.2	430.5	427.0
30°	561.0	523.9	492.7	470.5	450.7	438.9	430.5	422.9	417.8	413.9	411.2
32.5°	535.2	498.1	471.8	448.0	432.4	420.9	412.0	406.3	402.2	397.3	395.6
35°	497.8	464.9	442.0	420.5	404.6	394.1	387.2	381.3	377.8	376.5	375.4
37.5°	462.0	435.0	410.4	392.7	378.5	370.3	362.1	359.3	356.9	354.4	355.5
40°	439.3	413.9	392.1	373.4	361.9	352.8	347.9	344.6	342.4	342.4	342.4
42.5°	419.5	394.8	373.4	356.7	345.2	337.6	332.2	329.2	328.6	328.2	329.9
45°	389.0	366.0	344.6	330.6	320.9	313.3	310.1	307.7	307.7	309.2	309.5
47.5°	358.6	337.2	319.9	304.3	295.4	290.7	287.9	286.7	286.9	288.2	289.8
50°	340.0	318.9	301.8	287.9	279.6	275.1	272.7	272.0	272.7	272.7	275.1
52.5°	319.8	300.8	284.1	272.4	263.0	258.8	257.4	256.5	256.9	258.0	259.0
55°	290.1	273.0	257.1	246.0	239.1	236.3	233.2	233.5	232.8	233.5	233.5
57.5°	260.3	245.0	230.2	221.3	215.3	211.2	207.9	208.7	207.8	207.6	207.1
60°	241.1	224.4	212.7	204.7	197.8	194.3	191.2	191.9	190.8	190.1	188.8
62.5°	220.3	206.4	195.2	187.5	181.9	177.9	174.8	174.1	171.7	169.3	166.2
65°	190.1	178.7	168.6	161.3	156.1	153.0	150.6	148.5	143.3	137.8	135.0
67.5°	160.8	152.5	143.1	137.0	132.8	128.7	124.0	120.5	115.6	112.5	110.8
70°	141.9	133.9	125.9	120.0	115.6	111.7	106.5	104.1	100.6	99.2	97.5
72.5°	123.9	116.5	109.0	103.7	98.9	95.9	91.8	89.3	87.8	87.3	85.5
75°	96.5	90.6	85.0	80.2	76.3	74.3	72.5	70.8	70.1	67.0	65.2
77.5°	70.4	66.4	63.0	59.6	56.8	55.5	52.1	50.1	49.0	47.4	47.1
80°	54.8	52.1	48.6	46.5	42.7	41.3	39.9	39.6	39.2	38.9	38.5
82.5°	41.2	38.4	35.0	33.7	32.7	31.8	31.0	30.7	30.3	30.5	30.5
85°	20.8	19.4	19.4	19.1	18.7	18.4	18.0	18.0	17.7	18.0	17.7
87.5°	8.7	8.7	9.0	8.6	9.2	9.5	9.4	9.5	10.0	9.6	9.7
90°	8.9	10.3	11.6	12.8	14.1	15.3	16.2	17.2	18.1	19.1	19.7
92.5°	9.2	9.8	11.1	12.3	13.6	14.8	15.7	16.7	17.6	18.5	19.0
95°	17.3	14.7	14.9	15.1	15.2	15.3	16.2	17.2	18.1	19.1	19.6
97.5°	94.6	87.6	70.3	53.0	35.7	18.4	18.5	18.6	18.7	18.8	18.9
100°	125.5	116.2	94.8	73.5	52.1	30.7	28.0	25.4	22.7	20.2	18.9
102.5°	159.3	159.0	156.1	153.4	150.6	147.8	119.4	91.0	62.6	34.2	20.0
105°	213.6	214.5	215.2	216.0	216.8	217.5	218.9	220.3	221.7	223.1	221.1
107.5°	266.3	267.0	268.0	269.1	270.2	271.3	271.9	272.6	273.2	273.9	274.6
110°	303.1	303.7	304.7	305.6	306.6	307.5	307.8	308.1	308.4	308.7	309.1



TEST NUMBER: P332907-940

CATALOG NUMBER: SA4XXRDIP-C575D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	340.3	340.9	341.3	341.7	342.1	342.6	342.6	342.5	342.4	342.3	342.6
115°	393.7	393.9	393.7	393.5	393.4	393.2	393.5	393.9	394.1	394.5	394.7
117.5°	443.8	444.3	444.6	445.0	445.3	445.7	445.6	445.5	445.5	445.4	445.3
120°	477.2	477.5	477.3	477.2	477.1	476.9	477.2	477.5	477.9	478.1	478.1
122.5°	507.6	507.8	508.0	508.3	508.5	508.7	508.9	509.1	509.3	509.4	509.3
125°	553.3	553.4	553.1	552.9	552.5	552.2	552.7	553.1	553.6	554.0	554.4
127.5°	593.8	594.2	594.9	595.7	596.4	597.1	597.0	596.9	596.8	596.7	596.6
130°	621.2	621.4	621.9	622.4	622.9	623.3	623.5	623.7	623.8	623.9	624.0
132.5°	646.8	647.2	647.7	648.4	648.9	649.5	649.7	649.9	650.0	650.1	650.1
135°	682.7	682.9	683.5	684.1	684.7	685.4	685.6	686.0	686.3	686.6	686.9
137.5°	716.8	717.2	717.9	718.6	719.3	720.0	720.3	720.6	720.9	721.3	721.4
140°	739.6	739.9	740.2	740.6	740.8	741.1	741.6	742.1	742.5	743.0	743.3
142.5°	760.1	760.5	760.6	760.9	761.1	761.3	761.6	761.9	762.2	762.6	762.8
145°	789.7	790.0	790.0	790.0	790.0	790.0	790.1	790.2	790.4	790.6	790.8
147.5°	815.2	815.6	815.4	815.2	815.0	814.9	815.0	815.2	815.3	815.4	815.6
150°	831.4	831.7	831.5	831.4	831.3	831.1	831.1	831.1	831.1	831.1	831.2
152.5°	845.5	845.6	845.3	845.1	844.7	844.5	844.7	845.0	845.3	845.4	845.5
155°	864.5	864.3	863.9	863.4	862.9	862.5	863.1	863.7	864.3	865.0	865.0
157.5°	880.7	880.3	879.8	879.3	878.8	878.2	879.0	879.9	880.7	881.5	881.5
160°	889.2	888.9	888.8	888.6	888.4	888.2	889.2	890.1	891.1	892.0	892.0
162.5°	897.6	897.2	897.1	897.0	896.8	896.6	897.6	898.5	899.4	900.4	900.3
165°	908.2	907.8	907.8	907.8	907.8	907.8	909.0	910.3	911.5	912.8	912.7
167.5°	916.9	916.5	916.4	916.3	916.2	916.1	917.5	918.9	920.2	921.6	921.5
170°	921.5	921.1	921.2	921.4	921.6	921.8	922.9	924.2	925.4	926.7	926.5
172.5°	924.9	924.4	924.6	924.8	924.9	925.1	926.3	927.6	928.8	930.1	929.8
175°	928.4	928.1	928.3	928.4	928.5	928.7	930.1	931.5	932.9	934.2	934.1
177.5°	930.4	930.1	930.3	930.6	930.9	931.0	932.0	933.1	934.1	935.0	934.8
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2



TEST NUMBER: P332907-940

CATALOG NUMBER: SA4XXRDIP-C575D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	822.0	822.5	820.6	820.0	820.6	822.5	822.0	823.7	823.9	826.2	825.3
5°	762.6	761.9	760.2	760.5	760.2	761.9	762.6	765.4	766.8	772.3	771.6
7.5°	711.8	709.1	709.9	707.0	709.9	709.1	711.8	714.3	718.5	721.0	726.9
10°	680.7	676.9	673.8	671.0	673.8	676.9	680.7	682.1	688.0	690.8	696.7
12.5°	638.3	635.0	630.7	631.6	630.7	635.0	638.3	644.4	651.9	657.7	667.0
15°	578.0	572.8	564.5	565.5	564.5	572.8	578.0	582.6	590.1	603.3	609.6
17.5°	527.0	527.1	523.3	524.1	523.3	527.1	527.0	533.2	537.1	545.5	555.1
20°	500.6	498.2	498.6	497.5	498.6	498.2	500.6	507.9	512.1	518.0	528.4
22.5°	482.3	479.4	476.9	474.7	476.9	479.4	482.3	484.4	489.9	495.5	504.0
25°	451.4	449.3	446.2	445.5	446.2	449.3	451.4	454.5	457.3	464.6	469.8
27.5°	424.2	423.7	422.5	420.9	422.5	423.7	424.2	427.0	430.5	435.2	441.8
30°	408.3	407.7	407.0	405.9	407.0	407.7	408.3	411.2	413.9	417.8	422.9
32.5°	394.2	393.8	393.1	393.2	393.1	393.8	394.2	395.6	397.3	402.2	406.3
35°	374.0	373.6	373.0	372.6	373.0	373.6	374.0	375.4	376.5	377.8	381.3
37.5°	355.2	356.1	355.6	355.5	355.6	356.1	355.2	355.5	354.4	356.9	359.3
40°	342.1	342.4	343.1	342.8	343.1	342.4	342.1	342.4	342.4	342.4	344.6
42.5°	331.3	331.4	332.3	331.1	332.3	331.4	331.3	329.9	328.2	328.6	329.2
45°	311.9	314.0	313.6	313.6	313.6	314.0	311.9	309.5	309.2	307.7	307.7
47.5°	290.7	292.6	293.0	292.9	293.0	292.6	290.7	289.8	288.2	286.9	286.7
50°	276.9	276.2	277.2	276.9	277.2	276.2	276.9	275.1	272.7	272.7	272.0
52.5°	259.9	260.1	260.0	259.7	260.0	260.1	259.9	259.0	258.0	256.9	256.5
55°	233.8	234.2	233.5	233.8	233.5	234.2	233.8	233.5	233.5	232.8	233.5
57.5°	205.5	203.8	204.6	203.8	204.6	203.8	205.5	207.1	207.6	207.8	208.7
60°	185.3	182.5	181.8	180.4	181.8	182.5	185.3	188.8	190.1	190.8	191.9
62.5°	162.5	160.6	158.2	159.3	158.2	160.6	162.5	166.2	169.3	171.7	174.1
65°	132.2	130.8	129.7	131.2	129.7	130.8	132.2	135.0	137.8	143.3	148.5
67.5°	109.4	108.7	108.7	108.0	108.7	108.7	109.4	110.8	112.5	115.6	120.5
70°	97.5	96.5	96.5	95.8	96.5	96.5	97.5	97.5	99.2	100.6	104.1
72.5°	85.2	84.3	84.5	84.1	84.5	84.3	85.2	85.5	87.3	87.8	89.3
75°	63.1	61.4	61.4	61.8	61.4	61.4	63.1	65.2	67.0	70.1	70.8
77.5°	47.1	46.7	47.3	46.6	47.3	46.7	47.1	47.1	47.4	49.0	50.1
80°	38.5	38.2	37.8	38.9	37.8	38.2	38.5	38.5	38.9	39.2	39.6
82.5°	29.9	29.9	29.8	31.1	29.8	29.9	29.9	30.5	30.5	30.3	30.7
85°	18.0	17.4	18.0	17.4	18.0	17.4	18.0	17.7	18.0	17.7	18.0
87.5°	10.3	10.2	10.0	10.3	10.0	10.2	10.3	9.7	9.6	10.0	9.5
90°	20.0	20.3	20.6	21.0	20.6	20.3	20.0	19.7	19.1	18.1	17.2
92.5°	19.1	19.1	19.2	19.3	19.2	19.1	19.1	19.0	18.5	17.6	16.7
95°	19.8	19.9	20.1	20.2	20.1	19.9	19.8	19.6	19.1	18.1	17.2
97.5°	19.1	19.2	19.4	19.5	19.4	19.2	19.1	18.9	18.8	18.7	18.6
100°	19.1	19.2	19.4	19.5	19.4	19.2	19.1	18.9	20.2	22.7	25.4
102.5°	20.0	20.0	20.1	20.1	20.1	20.0	20.0	20.0	34.2	62.6	91.0
105°	215.4	209.8	204.3	198.7	204.3	209.8	215.4	221.1	223.1	221.7	220.3
107.5°	275.2	275.7	276.3	277.0	276.3	275.7	275.2	274.6	273.9	273.2	272.6
110°	309.6	310.0	310.5	310.9	310.5	310.0	309.6	309.1	308.7	308.4	308.1



TEST NUMBER: P332907-940

CATALOG NUMBER: SA4XXRDIP-C575D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	343.2	343.8	344.4	345.0	344.4	343.8	343.2	342.6	342.3	342.4	342.5
115°	394.7	394.7	394.7	394.7	394.7	394.7	394.7	394.7	394.5	394.1	393.9
117.5°	445.3	445.2	445.1	445.1	445.1	445.2	445.3	445.3	445.4	445.5	445.5
120°	477.9	477.5	477.2	476.9	477.2	477.5	477.9	478.1	478.1	477.9	477.5
122.5°	509.1	508.7	508.5	508.1	508.5	508.7	509.1	509.3	509.4	509.3	509.1
125°	554.6	554.6	554.8	555.0	554.8	554.6	554.6	554.4	554.0	553.6	553.1
127.5°	596.5	596.4	596.3	596.1	596.3	596.4	596.5	596.6	596.7	596.8	596.9
130°	624.0	624.0	624.0	624.0	624.0	624.0	624.0	624.0	623.9	623.8	623.7
132.5°	650.1	649.9	649.8	649.7	649.8	649.9	650.1	650.1	650.1	650.0	649.9
135°	687.2	687.5	687.9	688.1	687.9	687.5	687.2	686.9	686.6	686.3	686.0
137.5°	721.3	721.2	721.1	721.0	721.1	721.2	721.3	721.4	721.3	720.9	720.6
140°	743.5	743.6	743.8	744.0	743.8	743.6	743.5	743.3	743.0	742.5	742.1
142.5°	762.8	762.9	762.9	762.9	762.9	762.9	762.8	762.8	762.6	762.2	761.9
145°	791.1	791.4	791.8	792.0	791.8	791.4	791.1	790.8	790.6	790.4	790.2
147.5°	815.7	815.8	816.0	816.2	816.0	815.8	815.7	815.6	815.4	815.3	815.2
150°	831.3	831.4	831.6	831.8	831.6	831.4	831.3	831.2	831.1	831.1	831.1
152.5°	845.4	845.3	845.3	845.2	845.3	845.3	845.4	845.5	845.4	845.3	845.0
155°	864.5	864.1	863.6	863.2	863.6	864.1	864.5	865.0	865.0	864.3	863.7
157.5°	880.7	879.9	879.0	878.2	879.0	879.9	880.7	881.5	881.5	880.7	879.9
160°	891.1	890.1	889.2	888.2	889.2	890.1	891.1	892.0	892.0	891.1	890.1
162.5°	899.2	898.1	897.2	896.1	897.2	898.1	899.2	900.3	900.4	899.4	898.5
165°	911.2	909.9	908.5	907.0	908.5	909.9	911.2	912.7	912.8	911.5	910.3
167.5°	920.0	918.4	916.9	915.3	916.9	918.4	920.0	921.5	921.6	920.2	918.9
170°	925.0	923.5	921.9	920.3	921.9	923.5	925.0	926.5	926.7	925.4	924.2
172.5°	928.2	926.5	924.8	923.1	924.8	926.5	928.2	929.8	930.1	928.8	927.6
175°	932.2	930.3	928.4	926.6	928.4	930.3	932.2	934.1	934.2	932.9	931.5
177.5°	933.3	931.8	930.3	928.8	930.3	931.8	933.3	934.8	935.0	934.1	933.1
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2



TEST NUMBER: P332907-940

CATALOG NUMBER: SA4XXRDIP-C575D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	823.7	825.6	830.0	835.0	839.2	842.8	845.6	849.4	853.1	858.1	862.8
5°	773.6	778.6	785.5	793.8	804.2	811.2	819.8	827.5	838.6	849.7	860.4
7.5°	729.9	735.2	745.4	756.9	769.3	780.6	790.9	804.3	819.0	835.3	853.3
10°	701.5	707.4	719.6	732.7	747.3	758.4	772.3	788.3	804.9	824.7	846.9
12.5°	676.0	681.6	696.2	709.7	724.9	737.1	753.1	769.4	791.6	813.1	838.3
15°	626.2	641.1	657.8	673.8	691.8	706.8	726.1	742.8	764.0	794.2	823.0
17.5°	571.0	586.9	607.6	632.2	656.4	674.8	694.6	715.2	740.5	771.2	804.5
20°	538.8	551.6	574.5	602.0	630.1	655.8	673.8	696.7	722.7	756.0	790.3
22.5°	514.7	525.6	543.5	570.9	601.2	631.1	654.1	676.7	705.5	738.8	776.2
25°	478.4	490.3	505.9	524.6	559.3	590.8	621.1	647.0	677.6	710.9	752.5
27.5°	448.4	458.6	472.9	492.4	515.7	550.5	587.1	616.8	648.1	683.9	725.5
30°	430.5	438.9	450.7	470.5	492.7	523.9	561.0	595.8	627.3	664.4	707.8
32.5°	412.0	420.9	432.4	448.0	471.8	498.1	535.2	573.2	606.7	644.7	687.2
35°	387.2	394.1	404.6	420.5	442.0	464.9	497.8	537.1	572.5	613.1	653.6
37.5°	362.1	370.3	378.5	392.7	410.4	435.0	462.0	502.0	541.3	578.3	618.0
40°	347.9	352.8	361.9	373.4	392.1	413.9	439.3	478.4	517.6	554.5	594.3
42.5°	332.2	337.6	345.2	356.7	373.4	394.8	419.5	453.4	494.4	530.0	566.3
45°	310.1	313.3	320.9	330.6	344.6	366.0	389.0	419.1	457.6	491.6	523.5
47.5°	287.9	290.7	295.4	304.3	319.9	337.2	358.6	385.7	419.5	453.4	480.5
50°	272.7	275.1	279.6	287.9	301.8	318.9	340.0	364.3	394.5	427.1	449.6
52.5°	257.4	258.8	263.0	272.4	284.1	300.8	319.8	342.1	370.3	397.4	420.3
55°	233.2	236.3	239.1	246.0	257.1	273.0	290.1	311.2	333.1	356.0	375.4
57.5°	207.9	211.2	215.3	221.3	230.2	245.0	260.3	277.4	296.0	315.1	331.4
60°	191.2	194.3	197.8	204.7	212.7	224.4	241.1	256.0	270.3	287.6	303.9
62.5°	174.8	177.9	181.9	187.5	195.2	206.4	220.3	233.3	248.1	263.2	275.4
65°	150.6	153.0	156.1	161.3	168.6	178.7	190.1	200.2	213.4	224.4	235.6
67.5°	124.0	128.7	132.8	137.0	143.1	152.5	160.8	170.4	179.4	187.6	197.8
70°	106.5	111.7	115.6	120.0	125.9	133.9	141.9	148.5	155.8	163.7	172.8
72.5°	91.8	95.9	98.9	103.7	109.0	116.5	123.9	129.3	135.3	140.7	149.5
75°	72.5	74.3	76.3	80.2	85.0	90.6	96.5	101.3	104.8	109.6	115.9
77.5°	52.1	55.5	56.8	59.6	63.0	66.4	70.4	74.5	77.8	79.5	84.3
80°	39.9	41.3	42.7	46.5	48.6	52.1	54.8	58.7	60.0	61.8	66.3
82.5°	31.0	31.8	32.7	33.7	35.0	38.4	41.2	43.6	45.0	45.7	49.0
85°	18.0	18.4	18.7	19.1	19.4	19.4	20.8	22.6	25.0	25.0	26.0
87.5°	9.4	9.5	9.2	8.6	9.0	8.7	8.7	8.4	8.8	9.4	9.9
90°	16.2	15.3	14.1	12.8	11.6	10.3	8.9	7.2	5.5	3.8	2.1
92.5°	15.7	14.8	13.6	12.3	11.1	9.8	9.2	9.1	9.0	8.9	8.8
95°	16.2	15.3	15.2	15.1	14.9	14.7	17.3	22.6	27.8	33.1	38.3
97.5°	18.5	18.4	35.7	53.0	70.3	87.6	94.6	91.3	88.0	84.7	81.4
100°	28.0	30.7	52.1	73.5	94.8	116.2	125.5	122.7	119.9	117.2	114.3
102.5°	119.4	147.8	150.6	153.4	156.1	159.0	159.3	157.3	155.2	153.2	151.1
105°	218.9	217.5	216.8	216.0	215.2	214.5	213.6	212.7	211.7	210.8	209.8
107.5°	271.9	271.3	270.2	269.1	268.0	267.0	266.3	265.8	265.3	264.8	264.4
110°	307.8	307.5	306.6	305.6	304.7	303.7	303.1	302.6	302.1	301.7	301.2



TEST NUMBER: P332907-940

CATALOG NUMBER: SA4XXRDIP-C575D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	342.6	342.6	342.1	341.7	341.3	340.9	340.3	339.4	338.6	337.7	336.9
115°	393.5	393.2	393.4	393.5	393.7	393.9	393.7	393.2	392.8	392.3	391.8
117.5°	445.6	445.7	445.3	445.0	444.6	444.3	443.8	443.2	442.6	441.9	441.3
120°	477.2	476.9	477.1	477.2	477.3	477.5	477.2	476.7	476.1	475.5	474.8
122.5°	508.9	508.7	508.5	508.3	508.0	507.8	507.6	507.1	506.8	506.4	506.0
125°	552.7	552.2	552.5	552.9	553.1	553.4	553.3	552.7	552.1	551.4	550.8
127.5°	597.0	597.1	596.4	595.7	594.9	594.2	593.8	593.7	593.5	593.3	593.2
130°	623.5	623.3	622.9	622.4	621.9	621.4	621.2	621.0	620.8	620.7	620.5
132.5°	649.7	649.5	648.9	648.4	647.7	647.2	646.8	646.5	646.2	645.9	645.6
135°	685.6	685.4	684.7	684.1	683.5	682.9	682.7	682.8	683.0	683.1	683.3
137.5°	720.3	720.0	719.3	718.6	717.9	717.2	716.8	716.8	716.8	716.7	716.6
140°	741.6	741.1	740.8	740.6	740.2	739.9	739.6	739.3	739.0	738.7	738.3
142.5°	761.6	761.3	761.1	760.9	760.6	760.5	760.1	759.6	759.0	758.4	757.9
145°	790.1	790.0	790.0	790.0	790.0	790.0	789.7	789.3	788.8	788.4	787.8
147.5°	815.0	814.9	815.0	815.2	815.4	815.6	815.2	814.3	813.4	812.6	811.7
150°	831.1	831.1	831.3	831.4	831.5	831.7	831.4	830.9	830.3	829.6	829.0
152.5°	844.7	844.5	844.7	845.1	845.3	845.6	845.5	845.0	844.5	844.0	843.5
155°	863.1	862.5	862.9	863.4	863.9	864.3	864.5	864.3	864.2	864.0	863.9
157.5°	879.0	878.2	878.8	879.3	879.8	880.3	880.7	880.7	880.8	880.9	881.0
160°	889.2	888.2	888.4	888.6	888.8	888.9	889.2	889.7	890.1	890.6	891.1
162.5°	897.6	896.6	896.8	897.0	897.1	897.2	897.6	898.2	898.8	899.4	900.0
165°	909.0	907.8	907.8	907.8	907.8	907.8	908.2	908.9	909.7	910.5	911.2
167.5°	917.5	916.1	916.2	916.3	916.4	916.5	916.9	917.7	918.6	919.4	920.2
170°	922.9	921.8	921.6	921.4	921.2	921.1	921.5	922.4	923.4	924.3	925.2
172.5°	926.3	925.1	924.9	924.8	924.6	924.4	924.9	925.8	926.7	927.6	928.5
175°	930.1	928.7	928.5	928.4	928.3	928.1	928.4	929.4	930.3	931.2	932.2
177.5°	932.0	931.0	930.9	930.6	930.3	930.1	930.4	931.2	932.1	933.0	933.9
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2



TEST NUMBER: P332907-940

CATALOG NUMBER: SA4XXRDIP-C575D810U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	866.4	868.9	871.6	876.9	881.4	883.3	887.3	890.0	889.1	893.0	899.7
5°	869.8	879.1	889.9	901.0	913.5	923.9	932.3	940.6	947.2	955.1	967.0
7.5°	869.2	885.9	904.0	923.9	944.4	962.1	978.5	995.1	1009.9	1026.1	1047.2
10°	867.0	889.2	911.8	937.8	963.9	988.5	1010.7	1031.4	1051.2	1072.4	1099.1
12.5°	864.5	890.0	917.3	948.6	981.1	1010.7	1036.8	1066.8	1091.5	1118.7	1149.7
15°	853.5	887.9	925.0	965.5	1004.4	1044.3	1080.0	1116.9	1151.2	1183.7	1222.6
17.5°	840.9	880.5	924.3	972.2	1019.0	1067.4	1109.8	1156.2	1191.2	1235.0	1271.1
20°	830.6	873.3	920.1	973.8	1027.0	1080.8	1127.6	1174.7	1214.3	1258.4	1304.2
22.5°	818.1	865.0	915.7	971.3	1027.0	1085.7	1137.6	1184.5	1233.5	1283.1	1330.3
25°	798.0	846.6	900.4	961.4	1025.2	1085.2	1140.8	1199.1	1251.8	1305.6	1347.9
27.5°	773.3	824.3	881.0	944.0	1009.5	1070.9	1136.3	1198.5	1251.5	1303.2	1340.2
30°	753.6	807.4	861.8	925.7	993.6	1059.6	1129.6	1191.8	1247.6	1294.1	1314.9
32.5°	733.3	784.3	840.4	905.1	974.8	1045.7	1115.3	1178.8	1230.4	1258.3	1258.8
35°	698.0	745.9	804.2	867.7	939.1	1016.2	1086.6	1149.1	1180.6	1183.1	1149.1
37.5°	659.6	703.6	758.6	822.2	900.4	977.0	1048.9	1090.6	1101.2	1065.9	1003.0
40°	632.1	672.7	725.9	791.0	868.8	947.9	1013.4	1043.9	1032.9	975.6	905.5
42.5°	603.2	641.1	692.2	756.6	834.6	914.5	970.4	986.8	957.3	891.3	809.2
45°	556.2	590.8	641.5	706.4	781.3	856.3	898.6	890.3	841.3	762.9	671.0
47.5°	507.1	540.6	586.2	646.2	723.0	787.6	816.3	791.2	721.6	635.3	560.5
50°	474.7	509.0	551.0	608.2	678.3	740.7	759.1	720.9	643.5	560.7	492.0
52.5°	442.7	472.1	513.2	568.5	635.5	688.3	698.0	654.1	574.2	499.9	439.0
55°	394.1	420.9	455.6	507.6	565.5	610.3	605.1	548.5	476.0	412.5	364.6
57.5°	347.1	367.3	399.3	448.1	499.0	529.1	510.0	461.8	394.2	342.2	301.8
60°	316.1	334.8	364.6	407.3	452.1	469.0	453.1	400.7	347.3	299.8	265.7
62.5°	286.7	303.2	328.9	368.5	404.6	414.6	397.6	351.9	303.7	263.1	235.0
65°	243.9	259.1	281.1	309.2	334.1	338.9	327.9	281.1	244.6	210.6	191.2
67.5°	205.1	215.1	232.2	256.5	269.7	272.6	251.1	221.7	189.6	168.7	154.1
70°	179.1	185.9	201.9	215.1	225.9	226.2	206.4	182.8	158.2	141.2	130.5
72.5°	153.7	160.4	172.5	181.6	189.8	187.1	169.0	150.3	130.5	117.6	109.6
75°	118.7	124.6	130.8	135.0	135.0	131.5	118.3	104.4	93.0	85.3	82.9
77.5°	86.2	91.1	93.2	92.6	91.3	85.9	77.6	68.5	64.4	60.8	58.9
80°	67.7	69.7	70.4	68.7	66.6	60.4	54.8	51.0	47.2	45.8	45.1
82.5°	50.2	52.0	50.2	50.6	46.1	40.9	37.9	36.6	35.0	34.4	33.7
85°	26.8	26.4	25.7	23.9	20.8	20.2	19.8	19.4	18.7	19.1	18.4
87.5°	9.9	9.5	8.6	8.7	9.0	8.7	9.3	9.5	9.7	9.6	10.3
90°	3.8	5.5	7.2	8.9	10.3	11.6	12.8	14.1	15.3	16.2	17.2
92.5°	8.9	9.0	9.1	9.2	9.8	11.1	12.3	13.6	14.8	15.7	16.7
95°	33.1	27.8	22.6	17.3	14.7	14.9	15.1	15.2	15.3	16.2	17.2
97.5°	84.7	88.0	91.3	94.6	87.6	70.3	53.0	35.7	18.4	18.5	18.6
100°	117.2	119.9	122.7	125.5	116.2	94.8	73.5	52.1	30.7	28.0	25.4
102.5°	153.2	155.2	157.3	159.3	159.0	156.1	153.4	150.6	147.8	119.4	91.0
105°	210.8	211.7	212.7	213.6	214.5	215.2	216.0	216.8	217.5	218.9	220.3
107.5°	264.8	265.3	265.8	266.3	267.0	268.0	269.1	270.2	271.3	271.9	272.6
110°	301.7	302.1	302.6	303.1	303.7	304.7	305.6	306.6	307.5	307.8	308.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	337.7	338.6	339.4	340.3	340.9	341.3	341.7	342.1	342.6	342.6	342.5
115°	392.3	392.8	393.2	393.7	393.9	393.7	393.5	393.4	393.2	393.5	393.9
117.5°	441.9	442.6	443.2	443.8	444.3	444.6	445.0	445.3	445.7	445.6	445.5
120°	475.5	476.1	476.7	477.2	477.5	477.3	477.2	477.1	476.9	477.2	477.5
122.5°	506.4	506.8	507.1	507.6	507.8	508.0	508.3	508.5	508.7	508.9	509.1
125°	551.4	552.1	552.7	553.3	553.4	553.1	552.9	552.5	552.2	552.7	553.1
127.5°	593.3	593.5	593.7	593.8	594.2	594.9	595.7	596.4	597.1	597.0	596.9
130°	620.7	620.8	621.0	621.2	621.4	621.9	622.4	622.9	623.3	623.5	623.7
132.5°	645.9	646.2	646.5	646.8	647.2	647.7	648.4	648.9	649.5	649.7	649.9
135°	683.1	683.0	682.8	682.7	682.9	683.5	684.1	684.7	685.4	685.6	686.0
137.5°	716.7	716.8	716.8	716.8	717.2	717.9	718.6	719.3	720.0	720.3	720.6
140°	738.7	739.0	739.3	739.6	739.9	740.2	740.6	740.8	741.1	741.6	742.1
142.5°	758.4	759.0	759.6	760.1	760.5	760.6	760.9	761.1	761.3	761.6	761.9
145°	788.4	788.8	789.3	789.7	790.0	790.0	790.0	790.0	790.0	790.1	790.2
147.5°	812.6	813.4	814.3	815.2	815.6	815.4	815.2	815.0	814.9	815.0	815.2
150°	829.6	830.3	830.9	831.4	831.7	831.5	831.4	831.3	831.1	831.1	831.1
152.5°	844.0	844.5	845.0	845.5	845.6	845.3	845.1	844.7	844.5	844.7	845.0
155°	864.0	864.2	864.3	864.5	864.3	863.9	863.4	862.9	862.5	863.1	863.7
157.5°	880.9	880.8	880.7	880.7	880.3	879.8	879.3	878.8	878.2	879.0	879.9
160°	890.6	890.1	889.7	889.2	888.9	888.8	888.6	888.4	888.2	889.2	890.1
162.5°	899.4	898.8	898.2	897.6	897.2	897.1	897.0	896.8	896.6	897.6	898.5
165°	910.5	909.7	908.9	908.2	907.8	907.8	907.8	907.8	907.8	909.0	910.3
167.5°	919.4	918.6	917.7	916.9	916.5	916.4	916.3	916.2	916.1	917.5	918.9
170°	924.3	923.4	922.4	921.5	921.1	921.2	921.4	921.6	921.8	922.9	924.2
172.5°	927.6	926.7	925.8	924.9	924.4	924.6	924.8	924.9	925.1	926.3	927.6
175°	931.2	930.3	929.4	928.4	928.1	928.3	928.4	928.5	928.7	930.1	931.5
177.5°	933.0	932.1	931.2	930.4	930.1	930.3	930.6	930.9	931.0	932.0	933.1
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	903.3	904.5	905.3	908.0	908.3	910.8	908.3
5°	978.0	982.9	990.5	998.2	998.9	1003.7	995.1
7.5°	1061.8	1073.1	1080.1	1092.4	1097.3	1100.4	1095.4
10°	1119.6	1130.0	1148.4	1157.4	1166.4	1167.8	1163.7
12.5°	1175.4	1191.9	1206.4	1223.5	1223.1	1235.3	1230.8
15°	1249.7	1266.7	1286.8	1305.9	1312.9	1312.9	1318.4
17.5°	1302.7	1333.9	1354.7	1369.7	1386.1	1388.9	1387.0
20°	1338.5	1372.2	1394.4	1413.8	1425.0	1428.1	1428.1
22.5°	1365.2	1393.8	1415.5	1433.0	1442.2	1445.8	1444.7
25°	1383.7	1408.3	1421.5	1426.6	1429.1	1428.3	1421.8
27.5°	1358.3	1357.3	1348.9	1332.9	1321.0	1313.7	1305.4
30°	1310.1	1292.0	1271.2	1248.3	1218.8	1196.2	1189.4
32.5°	1238.2	1197.7	1162.4	1124.3	1092.5	1070.0	1060.5
35°	1099.1	1034.9	982.6	936.7	903.5	882.6	875.7
37.5°	934.2	872.0	807.2	762.8	735.1	714.1	706.2
40°	829.2	761.5	705.0	663.3	634.9	614.5	614.1
42.5°	733.4	668.9	615.6	585.7	555.0	541.4	541.4
45°	600.6	548.8	503.7	480.2	461.8	450.7	447.5
47.5°	497.2	454.5	424.5	405.6	390.7	383.6	379.0
50°	439.3	401.8	377.8	361.5	353.2	344.2	343.5
52.5°	390.9	360.7	342.1	328.8	318.3	312.8	313.0
55°	328.6	304.6	291.4	281.3	273.0	268.9	267.2
57.5°	276.8	258.9	249.2	240.0	236.5	233.2	232.3
60°	244.6	232.5	223.5	216.2	211.0	209.9	209.6
62.5°	217.9	205.3	199.0	193.4	189.6	188.0	187.3
65°	179.7	170.3	164.8	160.3	158.9	156.5	156.1
67.5°	144.9	139.3	135.6	132.5	130.5	130.5	130.5
70°	123.5	120.4	117.3	115.6	114.5	113.8	113.8
72.5°	105.2	102.9	100.3	99.4	99.2	98.5	98.3
75°	80.2	77.8	78.0	76.3	74.9	73.2	72.1
77.5°	56.8	55.1	54.8	54.6	53.3	53.1	53.7
80°	44.1	42.4	42.0	42.4	42.0	40.9	40.9
82.5°	33.5	32.1	31.7	31.5	31.1	31.5	30.9
85°	18.0	17.4	17.4	17.4	18.0	17.7	17.4
87.5°	10.0	9.9	10.3	10.1	10.2	10.0	10.3
90°	18.1	19.1	19.7	20.0	20.3	20.6	21.0
92.5°	17.6	18.5	19.0	19.1	19.1	19.2	19.3
95°	18.1	19.1	19.6	19.8	19.9	20.1	20.2
97.5°	18.7	18.8	18.9	19.1	19.2	19.4	19.5
100°	22.7	20.2	18.9	19.1	19.2	19.4	19.5
102.5°	62.6	34.2	20.0	20.0	20.0	20.1	20.1
105°	221.7	223.1	221.1	215.4	209.8	204.3	198.7
107.5°	273.2	273.9	274.6	275.2	275.7	276.3	277.0
110°	308.4	308.7	309.1	309.6	310.0	310.5	310.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	342.4	342.3	342.6	343.2	343.8	344.4	345.0
115°	394.1	394.5	394.7	394.7	394.7	394.7	394.7
117.5°	445.5	445.4	445.3	445.3	445.2	445.1	445.1
120°	477.9	478.1	478.1	477.9	477.5	477.2	476.9
122.5°	509.3	509.4	509.3	509.1	508.7	508.5	508.1
125°	553.6	554.0	554.4	554.6	554.6	554.8	555.0
127.5°	596.8	596.7	596.6	596.5	596.4	596.3	596.1
130°	623.8	623.9	624.0	624.0	624.0	624.0	624.0
132.5°	650.0	650.1	650.1	650.1	649.9	649.8	649.7
135°	686.3	686.6	686.9	687.2	687.5	687.9	688.1
137.5°	720.9	721.3	721.4	721.3	721.2	721.1	721.0
140°	742.5	743.0	743.3	743.5	743.6	743.8	744.0
142.5°	762.2	762.6	762.8	762.8	762.9	762.9	762.9
145°	790.4	790.6	790.8	791.1	791.4	791.8	792.0
147.5°	815.3	815.4	815.6	815.7	815.8	816.0	816.2
150°	831.1	831.1	831.2	831.3	831.4	831.6	831.8
152.5°	845.3	845.4	845.5	845.4	845.3	845.3	845.2
155°	864.3	865.0	865.0	864.5	864.1	863.6	863.2
157.5°	880.7	881.5	881.5	880.7	879.9	879.0	878.2
160°	891.1	892.0	892.0	891.1	890.1	889.2	888.2
162.5°	899.4	900.4	900.3	899.2	898.1	897.2	896.1
165°	911.5	912.8	912.7	911.2	909.9	908.5	907.0
167.5°	920.2	921.6	921.5	920.0	918.4	916.9	915.3
170°	925.4	926.7	926.5	925.0	923.5	921.9	920.3
172.5°	928.8	930.1	929.8	928.2	926.5	924.8	923.1
175°	932.9	934.2	934.1	932.2	930.3	928.4	926.6
177.5°	934.1	935.0	934.8	933.3	931.8	930.3	928.8
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2

(END OF REPORT)