

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: P332921-940

Luminaire Tested: **SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332921-940  
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: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6015.4 lumens  
Efficiency: N/A  
Efficacy: 121.8 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: Semi-Indirect

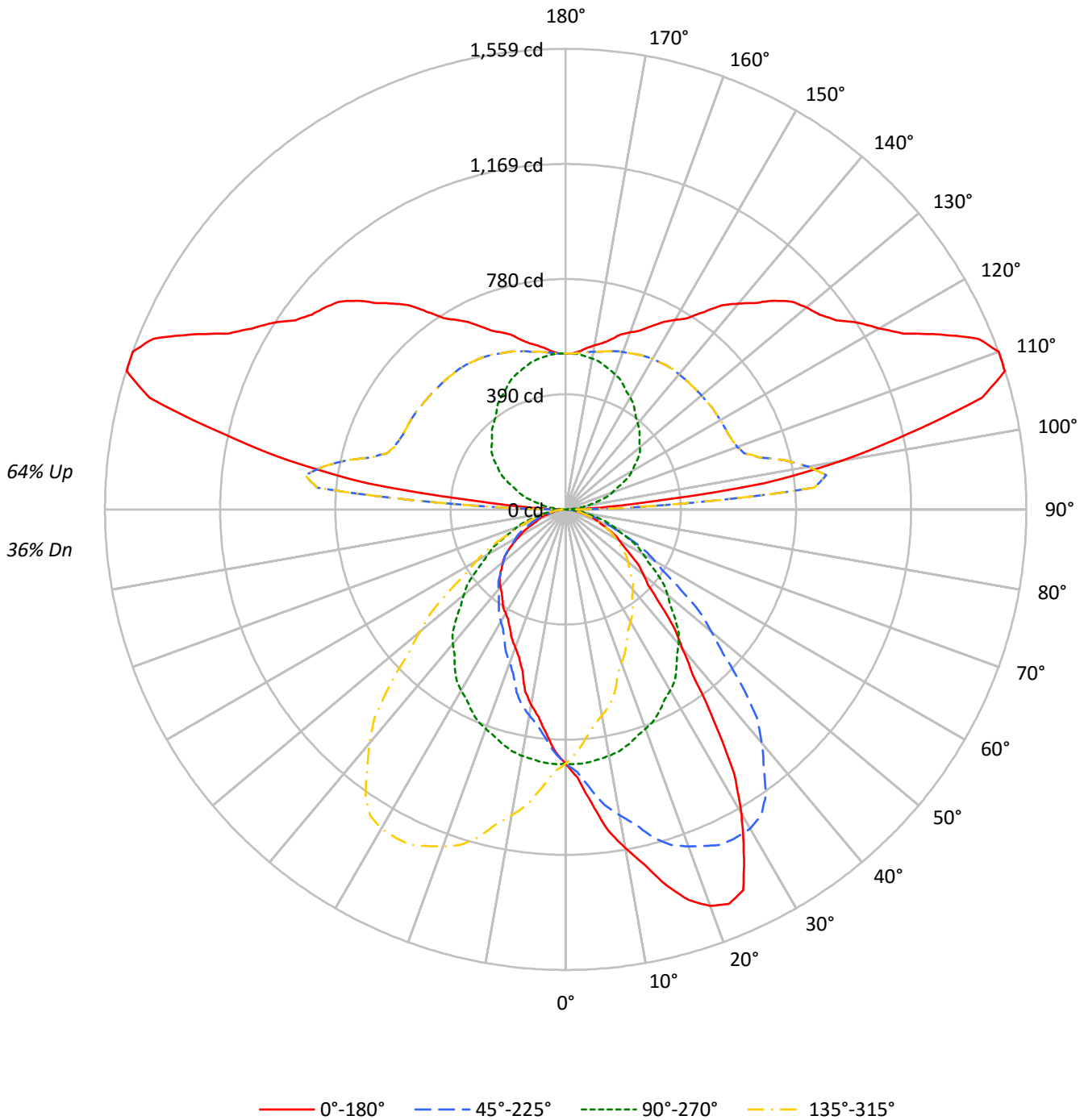
Input Watts (W): 49.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36
1	95	91	87	84	86	83	79	77	67	65	63	52	51	50	39	38	37	31
2	87	80	74	69	78	72	68	63	59	55	52	46	44	42	35	33	32	27
3	79	70	63	58	72	64	58	53	52	48	44	41	38	36	31	29	28	23
4	73	62	55	49	66	57	50	45	46	42	38	37	34	31	28	26	24	20
5	67	56	48	42	60	51	44	39	42	37	33	33	30	27	25	23	21	17
6	61	50	42	37	56	46	39	34	38	32	29	30	26	24	23	20	19	15
7	57	45	37	32	51	41	35	30	34	29	25	27	24	21	21	18	17	14
8	53	41	33	28	48	37	31	26	31	26	22	25	21	19	19	17	15	12
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	18	15	13	11
10	46	34	27	22	41	31	25	21	26	21	18	21	18	15	17	14	12	10

**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



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.4	1.4
10°-20°	251.7	4.2
20°-30°	393.7	6.5
30°-40°	437.6	7.3
40°-50°	388.3	6.5
50°-60°	302.5	5.0
60°-70°	198.1	3.3
70°-80°	97.4	1.6
80°-90°	26.9	0.4
90°-100°	380.9	6.3
100°-110°	792.8	13.2
110°-120°	710.1	11.8
120°-130°	597.3	9.9
130°-140°	498.1	8.3
140°-150°	380.5	6.3
150°-160°	267.5	4.4
160°-170°	157.3	2.6
170°-180°	51.2	0.9
0°-30°	728.8	12.1
0°-40°	1166.4	19.4
0°-60°	1857.2	30.9
0°-90°	2179.6	36.2
90°-120°	1883.9	31.3
90°-150°	3359.8	55.9
90°-180°	3836.0	63.8
0°-180°	6015.4	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°	22	1	22	1	22	18
95°	253	34	253	34	253	392
105°	1458	121	1458	121	1458	1441
115°	1400	214	1400	214	1400	1390
125°	1117	297	1117	297	1117	1015
135°	999	353	999	353	999	771
145°	816	407	816	407	816	517
155°	683	463	683	463	683	319
165°	596	505	596	505	596	171
175°	537	526	537	526	537	52
180°	527	527	527	527	527	



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**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°	10.4	10.2	10.7	10.4	10.5	10.3	10.3	10.7	9.9	10.4	10.0
90°	21.8	21.8	22.8	21.8	20.7	20.7	19.7	18.6	17.7	18.6	16.6
92.5°	79.8	79.8	83.3	88.9	101.1	121.9	153.1	203.5	273.8	328.7	287.7
95°	252.8	266.3	285.0	317.1	367.8	468.3	607.2	767.8	868.3	844.5	637.2
97.5°	675.8	697.3	728.4	790.8	865.2	973.4	1074.7	1134.4	1090.9	889.5	596.4
100°	950.2	958.5	989.5	1052.8	1142.9	1219.6	1270.3	1249.6	1098.3	833.0	540.9
102.5°	1188.9	1195.5	1228.2	1274.1	1329.4	1361.3	1346.6	1243.8	1036.2	762.6	503.5
105°	1457.9	1464.1	1478.6	1486.9	1484.8	1442.3	1339.8	1160.5	923.2	679.8	471.4
107.5°	1557.8	1555.1	1544.7	1521.1	1469.9	1377.5	1233.1	1042.1	832.1	633.3	465.7
110°	1559.4	1550.2	1531.4	1487.9	1414.3	1300.4	1150.1	970.9	786.5	617.6	467.3



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1510.6	1495.4	1469.3	1416.7	1333.1	1219.1	1077.2	918.6	760.7	610.1	472.3
115°	1399.9	1391.6	1358.4	1296.3	1214.4	1114.9	993.7	866.2	736.7	606.2	481.8
117.5°	1287.7	1281.3	1247.8	1195.5	1125.7	1041.3	946.0	840.5	725.9	605.1	492.0
120°	1224.8	1213.4	1186.4	1140.9	1081.7	1008.2	925.3	828.9	720.1	605.1	499.4
122.5°	1175.0	1163.6	1140.9	1101.9	1052.0	987.5	912.0	818.9	713.5	604.3	506.9
125°	1117.0	1110.8	1091.1	1061.0	1019.6	962.6	891.1	802.0	702.5	603.1	518.1
127.5°	1083.0	1076.8	1060.2	1033.5	991.8	937.7	866.5	781.2	687.8	600.7	527.0
130°	1063.1	1056.9	1040.3	1014.4	972.0	917.0	846.6	764.7	678.7	599.9	533.6
132.5°	1040.7	1034.5	1018.8	989.5	947.9	893.0	824.2	747.3	670.4	599.1	539.4
135°	998.9	992.7	976.1	947.1	905.6	853.8	790.6	723.3	658.0	597.9	548.1
137.5°	947.1	939.6	926.0	897.3	858.5	811.7	758.5	701.5	647.2	597.6	553.3
140°	909.7	901.4	887.0	864.2	827.9	784.3	737.7	689.0	641.4	596.8	557.5
142.5°	870.0	864.2	851.3	830.2	798.1	760.4	720.3	677.4	636.4	596.8	560.8
145°	815.5	810.3	800.0	782.3	756.4	727.4	696.3	661.1	627.9	594.8	562.7
147.5°	767.1	765.4	757.4	742.3	723.3	700.4	675.6	647.6	620.3	591.0	563.7
150°	739.9	738.8	732.5	719.1	702.5	683.9	663.2	639.4	614.5	588.5	563.7
152.5°	715.0	713.9	710.2	699.2	685.1	669.8	650.7	630.2	607.8	584.4	562.0
155°	682.9	682.9	679.8	671.5	661.1	648.6	633.1	616.5	597.9	578.2	559.5
157.5°	654.7	654.7	652.8	646.6	638.7	628.7	615.7	601.8	587.7	571.8	556.9
160°	637.2	637.2	636.2	630.0	623.8	615.5	604.0	592.7	580.2	566.8	554.4
162.5°	620.6	621.5	620.5	614.2	609.7	602.3	593.3	583.5	573.6	561.8	551.9
165°	595.8	596.8	597.9	593.7	589.6	584.4	577.1	571.0	562.7	554.4	547.1
167.5°	576.1	576.9	577.1	574.4	572.4	569.3	563.5	558.7	552.7	546.9	542.2
170°	563.7	563.7	564.7	563.7	561.6	558.5	554.4	551.3	546.1	541.9	538.8
172.5°	551.3	552.9	553.9	552.9	551.6	549.4	546.9	544.6	540.3	536.9	535.5
175°	536.7	538.8	540.9	538.8	538.8	538.8	536.7	535.7	533.6	531.5	531.5
177.5°	528.2	529.9	531.5	530.7	531.5	530.7	530.7	529.9	529.1	528.2	528.2
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**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°	9.5	9.3	8.6	8.6	8.6	9.5	9.8	9.6	9.2	9.0	8.4
90°	14.5	14.5	8.3	8.3	7.2	6.2	3.1	1.1	3.1	6.2	7.2
92.5°	209.3	128.9	76.2	54.8	39.6	26.9	17.2	11.8	17.2	26.9	39.6
95°	389.6	219.6	129.6	86.0	61.2	47.7	37.3	34.2	37.3	47.7	61.2
97.5°	350.3	209.9	140.5	104.1	82.7	70.3	61.3	61.3	61.3	70.3	82.7
100°	329.5	212.4	151.3	118.2	98.4	86.0	78.7	78.7	78.7	86.0	98.4
102.5°	323.7	220.7	165.4	133.8	115.0	103.4	97.0	95.3	97.0	103.4	115.0
105°	326.4	240.4	190.6	160.6	142.0	129.6	124.3	121.3	124.3	129.6	142.0
107.5°	341.7	263.4	217.8	188.2	170.3	157.1	151.9	149.8	151.9	157.1	170.3
110°	353.3	280.8	235.2	207.2	188.6	176.1	170.9	168.9	170.9	176.1	188.6





TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	365.8	297.4	253.4	225.5	206.8	195.2	189.2	187.2	189.2	195.2	206.8
115°	385.5	323.2	281.9	253.9	234.2	223.8	216.6	213.5	216.6	223.8	234.2
117.5°	405.6	348.4	309.0	280.0	261.5	250.1	243.7	240.8	243.7	250.1	261.5
120°	419.6	365.8	326.4	297.4	279.7	268.4	261.1	259.0	261.1	268.4	279.7
122.5°	432.9	382.4	343.0	314.8	295.5	285.0	277.7	275.6	277.7	285.0	295.5
125°	452.8	405.1	367.8	338.9	319.1	307.7	301.5	297.4	301.5	307.7	319.1
127.5°	470.0	426.2	390.2	361.0	340.5	327.4	319.9	316.6	319.9	327.4	340.5
130°	480.8	440.4	405.1	375.1	355.4	339.8	331.5	327.4	331.5	339.8	355.4
132.5°	491.6	452.0	416.8	388.3	367.0	352.3	341.5	338.2	341.5	352.3	367.0
135°	505.7	468.3	434.2	407.2	385.5	367.8	357.5	353.3	357.5	367.8	385.5
137.5°	515.6	480.8	448.9	423.2	400.6	383.8	372.4	368.5	372.4	383.8	400.6
140°	522.2	489.1	458.0	433.1	411.3	393.8	382.4	379.2	382.4	393.8	411.3
142.5°	527.2	496.5	466.3	442.2	421.3	404.5	394.0	390.8	394.0	404.5	421.3
145°	532.6	504.6	477.7	454.9	435.2	420.7	410.4	407.2	410.4	420.7	435.2
147.5°	537.3	512.9	487.6	467.1	450.8	435.8	426.7	425.6	426.7	435.8	450.8
150°	539.8	517.0	494.3	474.6	459.1	446.6	438.3	437.3	438.3	446.6	459.1
152.5°	541.5	520.4	500.1	482.1	468.1	456.6	448.3	448.0	448.3	456.6	468.1
155°	543.0	525.3	507.7	492.2	480.8	470.4	464.2	463.2	464.2	470.4	480.8
157.5°	543.0	528.9	514.0	501.7	491.8	483.7	477.9	477.9	477.9	483.7	491.8
160°	543.0	530.5	518.1	506.7	498.4	491.2	487.0	487.0	487.0	491.2	498.4
162.5°	543.0	532.2	520.6	511.7	504.2	497.8	494.5	495.3	494.5	497.8	504.2
165°	540.9	532.6	523.3	517.0	511.8	506.7	504.6	504.6	504.6	506.7	511.8
167.5°	538.4	532.4	525.6	520.8	517.9	514.0	512.9	514.0	512.9	514.0	517.9
170°	536.7	531.5	526.4	523.3	521.2	518.1	517.0	518.1	517.0	518.1	521.2
172.5°	535.1	530.7	527.2	525.0	523.7	521.4	521.2	522.2	521.2	521.4	523.7
175°	532.6	529.5	527.4	527.4	526.4	525.3	525.3	526.4	525.3	525.3	526.4
177.5°	529.9	528.2	527.4	527.4	527.4	526.6	527.4	528.2	527.4	526.6	527.4
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**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°	8.6	8.3	9.5	9.0	9.7	10.1	9.6	9.8	10.3	10.0	10.0
90°	8.3	8.3	14.5	14.5	16.6	18.6	17.7	18.6	19.7	20.7	20.7
92.5°	54.8	76.2	128.9	209.3	287.7	328.7	273.8	203.5	153.1	121.9	101.1
95°	86.0	129.6	219.6	389.6	637.2	844.5	868.3	767.8	607.2	468.3	367.8
97.5°	104.1	140.5	209.9	350.3	596.4	889.5	1090.9	1134.4	1074.7	973.4	865.2
100°	118.2	151.3	212.4	329.5	540.9	833.0	1098.3	1249.6	1270.3	1219.6	1142.9
102.5°	133.8	165.4	220.7	323.7	503.5	762.6	1036.2	1243.8	1346.6	1361.3	1329.4
105°	160.6	190.6	240.4	326.4	471.4	679.8	923.2	1160.5	1339.8	1442.3	1484.8
107.5°	188.2	217.8	263.4	341.7	465.7	633.3	832.1	1042.1	1233.1	1377.5	1469.9
110°	207.2	235.2	280.8	353.3	467.3	617.6	786.5	970.9	1150.1	1300.4	1414.3



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	225.5	253.4	297.4	365.8	472.3	610.1	760.7	918.6	1077.2	1219.1	1333.1
115°	253.9	281.9	323.2	385.5	481.8	606.2	736.7	866.2	993.7	1114.9	1214.4
117.5°	280.0	309.0	348.4	405.6	492.0	605.1	725.9	840.5	946.0	1041.3	1125.7
120°	297.4	326.4	365.8	419.6	499.4	605.1	720.1	828.9	925.3	1008.2	1081.7
122.5°	314.8	343.0	382.4	432.9	506.9	604.3	713.5	818.9	912.0	987.5	1052.0
125°	338.9	367.8	405.1	452.8	518.1	603.1	702.5	802.0	891.1	962.6	1019.6
127.5°	361.0	390.2	426.2	470.0	527.0	600.7	687.8	781.2	866.5	937.7	991.8
130°	375.1	405.1	440.4	480.8	533.6	599.9	678.7	764.7	846.6	917.0	972.0
132.5°	388.3	416.8	452.0	491.6	539.4	599.1	670.4	747.3	824.2	893.0	947.9
135°	407.2	434.2	468.3	505.7	548.1	597.9	658.0	723.3	790.6	853.8	905.6
137.5°	423.2	448.9	480.8	515.6	553.3	597.6	647.2	701.5	758.5	811.7	858.5
140°	433.1	458.0	489.1	522.2	557.5	596.8	641.4	689.0	737.7	784.3	827.9
142.5°	442.2	466.3	496.5	527.2	560.8	596.8	636.4	677.4	720.3	760.4	798.1
145°	454.9	477.7	504.6	532.6	562.7	594.8	627.9	661.1	696.3	727.4	756.4
147.5°	467.1	487.6	512.9	537.3	563.7	591.0	620.3	647.6	675.6	700.4	723.3
150°	474.6	494.3	517.0	539.8	563.7	588.5	614.5	639.4	663.2	683.9	702.5
152.5°	482.1	500.1	520.4	541.5	562.0	584.4	607.8	630.2	650.7	669.8	685.1
155°	492.2	507.7	525.3	543.0	559.5	578.2	597.9	616.5	633.1	648.6	661.1
157.5°	501.7	514.0	528.9	543.0	556.9	571.8	587.7	601.8	615.7	628.7	638.7
160°	506.7	518.1	530.5	543.0	554.4	566.8	580.2	592.7	604.0	615.5	623.8
162.5°	511.7	520.6	532.2	543.0	551.9	561.8	573.6	583.5	593.3	602.3	609.7
165°	517.0	523.3	532.6	540.9	547.1	554.4	562.7	571.0	577.1	584.4	589.6
167.5°	520.8	525.6	532.4	538.4	542.2	546.9	552.7	558.7	563.5	569.3	572.4
170°	523.3	526.4	531.5	536.7	538.8	541.9	546.1	551.3	554.4	558.5	561.6
172.5°	525.0	527.2	530.7	535.1	535.5	536.9	540.3	544.6	546.9	549.4	551.6
175°	527.4	527.4	529.5	532.6	531.5	531.5	533.6	535.7	536.7	538.8	538.8
177.5°	527.4	527.4	528.2	529.9	528.2	528.2	529.1	529.9	530.7	530.7	531.5
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**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°	10.7	10.7	10.2	10.4	10.2	10.7	10.7	10.0	10.0	10.3	9.8
90°	21.8	22.8	21.8	21.8	21.8	22.8	21.8	20.7	20.7	19.7	18.6
92.5°	88.9	83.3	79.8	79.8	79.8	83.3	88.9	101.1	121.9	153.1	203.5
95°	317.1	285.0	266.3	252.8	266.3	285.0	317.1	367.8	468.3	607.2	767.8
97.5°	790.8	728.4	697.3	675.8	697.3	728.4	790.8	865.2	973.4	1074.7	1134.4
100°	1052.8	989.5	958.5	950.2	958.5	989.5	1052.8	1142.9	1219.6	1270.3	1249.6
102.5°	1274.1	1228.2	1195.5	1188.9	1195.5	1228.2	1274.1	1329.4	1361.3	1346.6	1243.8
105°	1486.9	1478.6	1464.1	1457.9	1464.1	1478.6	1486.9	1484.8	1442.3	1339.8	1160.5
107.5°	1521.1	1544.7	1555.1	1557.8	1555.1	1544.7	1521.1	1469.9	1377.5	1233.1	1042.1
110°	1487.9	1531.4	1550.2	1559.4	1550.2	1531.4	1487.9	1414.3	1300.4	1150.1	970.9



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1416.7	1469.3	1495.4	1510.6	1495.4	1469.3	1416.7	1333.1	1219.1	1077.2	918.6
115°	1296.3	1358.4	1391.6	1399.9	1391.6	1358.4	1296.3	1214.4	1114.9	993.7	866.2
117.5°	1195.5	1247.8	1281.3	1287.7	1281.3	1247.8	1195.5	1125.7	1041.3	946.0	840.5
120°	1140.9	1186.4	1213.4	1224.8	1213.4	1186.4	1140.9	1081.7	1008.2	925.3	828.9
122.5°	1101.9	1140.9	1163.6	1175.0	1163.6	1140.9	1101.9	1052.0	987.5	912.0	818.9
125°	1061.0	1091.1	1110.8	1117.0	1110.8	1091.1	1061.0	1019.6	962.6	891.1	802.0
127.5°	1033.5	1060.2	1076.8	1083.0	1076.8	1060.2	1033.5	991.8	937.7	866.5	781.2
130°	1014.4	1040.3	1056.9	1063.1	1056.9	1040.3	1014.4	972.0	917.0	846.6	764.7
132.5°	989.5	1018.8	1034.5	1040.7	1034.5	1018.8	989.5	947.9	893.0	824.2	747.3
135°	947.1	976.1	992.7	998.9	992.7	976.1	947.1	905.6	853.8	790.6	723.3
137.5°	897.3	926.0	939.6	947.1	939.6	926.0	897.3	858.5	811.7	758.5	701.5
140°	864.2	887.0	901.4	909.7	901.4	887.0	864.2	827.9	784.3	737.7	689.0
142.5°	830.2	851.3	864.2	870.0	864.2	851.3	830.2	798.1	760.4	720.3	677.4
145°	782.3	800.0	810.3	815.5	810.3	800.0	782.3	756.4	727.4	696.3	661.1
147.5°	742.3	757.4	765.4	767.1	765.4	757.4	742.3	723.3	700.4	675.6	647.6
150°	719.1	732.5	738.8	739.9	738.8	732.5	719.1	702.5	683.9	663.2	639.4
152.5°	699.2	710.2	713.9	715.0	713.9	710.2	699.2	685.1	669.8	650.7	630.2
155°	671.5	679.8	682.9	682.9	682.9	679.8	671.5	661.1	648.6	633.1	616.5
157.5°	646.6	652.8	654.7	654.7	654.7	652.8	646.6	638.7	628.7	615.7	601.8
160°	630.0	636.2	637.2	637.2	637.2	636.2	630.0	623.8	615.5	604.0	592.7
162.5°	614.2	620.5	621.5	620.6	621.5	620.5	614.2	609.7	602.3	593.3	583.5
165°	593.7	597.9	596.8	595.8	596.8	597.9	593.7	589.6	584.4	577.1	571.0
167.5°	574.4	577.1	576.9	576.1	576.9	577.1	574.4	572.4	569.3	563.5	558.7
170°	563.7	564.7	563.7	563.7	563.7	564.7	563.7	561.6	558.5	554.4	551.3
172.5°	552.9	553.9	552.9	551.3	552.9	553.9	552.9	551.6	549.4	546.9	544.6
175°	538.8	540.9	538.8	536.7	538.8	540.9	538.8	538.8	538.8	536.7	535.7
177.5°	530.7	531.5	529.9	528.2	529.9	531.5	530.7	531.5	530.7	530.7	529.9
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**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°	9.6	10.1	9.7	9.0	9.5	8.3	8.6	8.4	9.0	9.2	9.6
90°	17.7	18.6	16.6	14.5	14.5	8.3	8.3	7.2	6.2	3.1	1.1
92.5°	273.8	328.7	287.7	209.3	128.9	76.2	54.8	39.6	26.9	17.2	11.8
95°	868.3	844.5	637.2	389.6	219.6	129.6	86.0	61.2	47.7	37.3	34.2
97.5°	1090.9	889.5	596.4	350.3	209.9	140.5	104.1	82.7	70.3	61.3	61.3
100°	1098.3	833.0	540.9	329.5	212.4	151.3	118.2	98.4	86.0	78.7	78.7
102.5°	1036.2	762.6	503.5	323.7	220.7	165.4	133.8	115.0	103.4	97.0	95.3
105°	923.2	679.8	471.4	326.4	240.4	190.6	160.6	142.0	129.6	124.3	121.3
107.5°	832.1	633.3	465.7	341.7	263.4	217.8	188.2	170.3	157.1	151.9	149.8
110°	786.5	617.6	467.3	353.3	280.8	235.2	207.2	188.6	176.1	170.9	168.9



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	760.7	610.1	472.3	365.8	297.4	253.4	225.5	206.8	195.2	189.2	187.2
115°	736.7	606.2	481.8	385.5	323.2	281.9	253.9	234.2	223.8	216.6	213.5
117.5°	725.9	605.1	492.0	405.6	348.4	309.0	280.0	261.5	250.1	243.7	240.8
120°	720.1	605.1	499.4	419.6	365.8	326.4	297.4	279.7	268.4	261.1	259.0
122.5°	713.5	604.3	506.9	432.9	382.4	343.0	314.8	295.5	285.0	277.7	275.6
125°	702.5	603.1	518.1	452.8	405.1	367.8	338.9	319.1	307.7	301.5	297.4
127.5°	687.8	600.7	527.0	470.0	426.2	390.2	361.0	340.5	327.4	319.9	316.6
130°	678.7	599.9	533.6	480.8	440.4	405.1	375.1	355.4	339.8	331.5	327.4
132.5°	670.4	599.1	539.4	491.6	452.0	416.8	388.3	367.0	352.3	341.5	338.2
135°	658.0	597.9	548.1	505.7	468.3	434.2	407.2	385.5	367.8	357.5	353.3
137.5°	647.2	597.6	553.3	515.6	480.8	448.9	423.2	400.6	383.8	372.4	368.5
140°	641.4	596.8	557.5	522.2	489.1	458.0	433.1	411.3	393.8	382.4	379.2
142.5°	636.4	596.8	560.8	527.2	496.5	466.3	442.2	421.3	404.5	394.0	390.8
145°	627.9	594.8	562.7	532.6	504.6	477.7	454.9	435.2	420.7	410.4	407.2
147.5°	620.3	591.0	563.7	537.3	512.9	487.6	467.1	450.8	435.8	426.7	425.6
150°	614.5	588.5	563.7	539.8	517.0	494.3	474.6	459.1	446.6	438.3	437.3
152.5°	607.8	584.4	562.0	541.5	520.4	500.1	482.1	468.1	456.6	448.3	448.0
155°	597.9	578.2	559.5	543.0	525.3	507.7	492.2	480.8	470.4	464.2	463.2
157.5°	587.7	571.8	556.9	543.0	528.9	514.0	501.7	491.8	483.7	477.9	477.9
160°	580.2	566.8	554.4	543.0	530.5	518.1	506.7	498.4	491.2	487.0	487.0
162.5°	573.6	561.8	551.9	543.0	532.2	520.6	511.7	504.2	497.8	494.5	495.3
165°	562.7	554.4	547.1	540.9	532.6	523.3	517.0	511.8	506.7	504.6	504.6
167.5°	552.7	546.9	542.2	538.4	532.4	525.6	520.8	517.9	514.0	512.9	514.0
170°	546.1	541.9	538.8	536.7	531.5	526.4	523.3	521.2	518.1	517.0	518.1
172.5°	540.3	536.9	535.5	535.1	530.7	527.2	525.0	523.7	521.4	521.2	522.2
175°	533.6	531.5	531.5	532.6	529.5	527.4	527.4	526.4	525.3	525.3	526.4
177.5°	529.1	528.2	528.2	529.9	528.2	527.4	527.4	527.4	526.6	527.4	528.2
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**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°	9.8	9.5	8.6	8.6	8.6	9.3	9.5	10.0	10.4	9.9	10.7
90°	3.1	6.2	7.2	8.3	8.3	14.5	14.5	16.6	18.6	17.7	18.6
92.5°	17.2	26.9	39.6	54.8	76.2	128.9	209.3	287.7	328.7	273.8	203.5
95°	37.3	47.7	61.2	86.0	129.6	219.6	389.6	637.2	844.5	868.3	767.8
97.5°	61.3	70.3	82.7	104.1	140.5	209.9	350.3	596.4	889.5	1090.9	1134.4
100°	78.7	86.0	98.4	118.2	151.3	212.4	329.5	540.9	833.0	1098.3	1249.6
102.5°	97.0	103.4	115.0	133.8	165.4	220.7	323.7	503.5	762.6	1036.2	1243.8
105°	124.3	129.6	142.0	160.6	190.6	240.4	326.4	471.4	679.8	923.2	1160.5
107.5°	151.9	157.1	170.3	188.2	217.8	263.4	341.7	465.7	633.3	832.1	1042.1
110°	170.9	176.1	188.6	207.2	235.2	280.8	353.3	467.3	617.6	786.5	970.9





TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	189.2	195.2	206.8	225.5	253.4	297.4	365.8	472.3	610.1	760.7	918.6
115°	216.6	223.8	234.2	253.9	281.9	323.2	385.5	481.8	606.2	736.7	866.2
117.5°	243.7	250.1	261.5	280.0	309.0	348.4	405.6	492.0	605.1	725.9	840.5
120°	261.1	268.4	279.7	297.4	326.4	365.8	419.6	499.4	605.1	720.1	828.9
122.5°	277.7	285.0	295.5	314.8	343.0	382.4	432.9	506.9	604.3	713.5	818.9
125°	301.5	307.7	319.1	338.9	367.8	405.1	452.8	518.1	603.1	702.5	802.0
127.5°	319.9	327.4	340.5	361.0	390.2	426.2	470.0	527.0	600.7	687.8	781.2
130°	331.5	339.8	355.4	375.1	405.1	440.4	480.8	533.6	599.9	678.7	764.7
132.5°	341.5	352.3	367.0	388.3	416.8	452.0	491.6	539.4	599.1	670.4	747.3
135°	357.5	367.8	385.5	407.2	434.2	468.3	505.7	548.1	597.9	658.0	723.3
137.5°	372.4	383.8	400.6	423.2	448.9	480.8	515.6	553.3	597.6	647.2	701.5
140°	382.4	393.8	411.3	433.1	458.0	489.1	522.2	557.5	596.8	641.4	689.0
142.5°	394.0	404.5	421.3	442.2	466.3	496.5	527.2	560.8	596.8	636.4	677.4
145°	410.4	420.7	435.2	454.9	477.7	504.6	532.6	562.7	594.8	627.9	661.1
147.5°	426.7	435.8	450.8	467.1	487.6	512.9	537.3	563.7	591.0	620.3	647.6
150°	438.3	446.6	459.1	474.6	494.3	517.0	539.8	563.7	588.5	614.5	639.4
152.5°	448.3	456.6	468.1	482.1	500.1	520.4	541.5	562.0	584.4	607.8	630.2
155°	464.2	470.4	480.8	492.2	507.7	525.3	543.0	559.5	578.2	597.9	616.5
157.5°	477.9	483.7	491.8	501.7	514.0	528.9	543.0	556.9	571.8	587.7	601.8
160°	487.0	491.2	498.4	506.7	518.1	530.5	543.0	554.4	566.8	580.2	592.7
162.5°	494.5	497.8	504.2	511.7	520.6	532.2	543.0	551.9	561.8	573.6	583.5
165°	504.6	506.7	511.8	517.0	523.3	532.6	540.9	547.1	554.4	562.7	571.0
167.5°	512.9	514.0	517.9	520.8	525.6	532.4	538.4	542.2	546.9	552.7	558.7
170°	517.0	518.1	521.2	523.3	526.4	531.5	536.7	538.8	541.9	546.1	551.3
172.5°	521.2	521.4	523.7	525.0	527.2	530.7	535.1	535.5	536.9	540.3	544.6
175°	525.3	525.3	526.4	527.4	527.4	529.5	532.6	531.5	531.5	533.6	535.7
177.5°	527.4	526.6	527.4	527.4	527.4	528.2	529.9	528.2	528.2	529.1	529.9
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**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°	10.3	10.3	10.5	10.4	10.7	10.2	10.4
90°	19.7	20.7	20.7	21.8	22.8	21.8	21.8
92.5°	153.1	121.9	101.1	88.9	83.3	79.8	79.8
95°	607.2	468.3	367.8	317.1	285.0	266.3	252.8
97.5°	1074.7	973.4	865.2	790.8	728.4	697.3	675.8
100°	1270.3	1219.6	1142.9	1052.8	989.5	958.5	950.2
102.5°	1346.6	1361.3	1329.4	1274.1	1228.2	1195.5	1188.9
105°	1339.8	1442.3	1484.8	1486.9	1478.6	1464.1	1457.9
107.5°	1233.1	1377.5	1469.9	1521.1	1544.7	1555.1	1557.8
110°	1150.1	1300.4	1414.3	1487.9	1531.4	1550.2	1559.4



TEST NUMBER: P332921-940

CATALOG NUMBER: SA4XXRDIP-C575D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1077.2	1219.1	1333.1	1416.7	1469.3	1495.4	1510.6
115°	993.7	1114.9	1214.4	1296.3	1358.4	1391.6	1399.9
117.5°	946.0	1041.3	1125.7	1195.5	1247.8	1281.3	1287.7
120°	925.3	1008.2	1081.7	1140.9	1186.4	1213.4	1224.8
122.5°	912.0	987.5	1052.0	1101.9	1140.9	1163.6	1175.0
125°	891.1	962.6	1019.6	1061.0	1091.1	1110.8	1117.0
127.5°	866.5	937.7	991.8	1033.5	1060.2	1076.8	1083.0
130°	846.6	917.0	972.0	1014.4	1040.3	1056.9	1063.1
132.5°	824.2	893.0	947.9	989.5	1018.8	1034.5	1040.7
135°	790.6	853.8	905.6	947.1	976.1	992.7	998.9
137.5°	758.5	811.7	858.5	897.3	926.0	939.6	947.1
140°	737.7	784.3	827.9	864.2	887.0	901.4	909.7
142.5°	720.3	760.4	798.1	830.2	851.3	864.2	870.0
145°	696.3	727.4	756.4	782.3	800.0	810.3	815.5
147.5°	675.6	700.4	723.3	742.3	757.4	765.4	767.1
150°	663.2	683.9	702.5	719.1	732.5	738.8	739.9
152.5°	650.7	669.8	685.1	699.2	710.2	713.9	715.0
155°	633.1	648.6	661.1	671.5	679.8	682.9	682.9
157.5°	615.7	628.7	638.7	646.6	652.8	654.7	654.7
160°	604.0	615.5	623.8	630.0	636.2	637.2	637.2
162.5°	593.3	602.3	609.7	614.2	620.5	621.5	620.6
165°	577.1	584.4	589.6	593.7	597.9	596.8	595.8
167.5°	563.5	569.3	572.4	574.4	577.1	576.9	576.1
170°	554.4	558.5	561.6	563.7	564.7	563.7	563.7
172.5°	546.9	549.4	551.6	552.9	553.9	552.9	551.3
175°	536.7	538.8	538.8	538.8	540.9	538.8	536.7
177.5°	530.7	530.7	531.5	530.7	531.5	529.9	528.2
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4

(END OF REPORT)