

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: P332897-830

Luminaire Tested: **SA4XXRDIP-C575D365U830-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332897-830  
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-C575D365U830-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

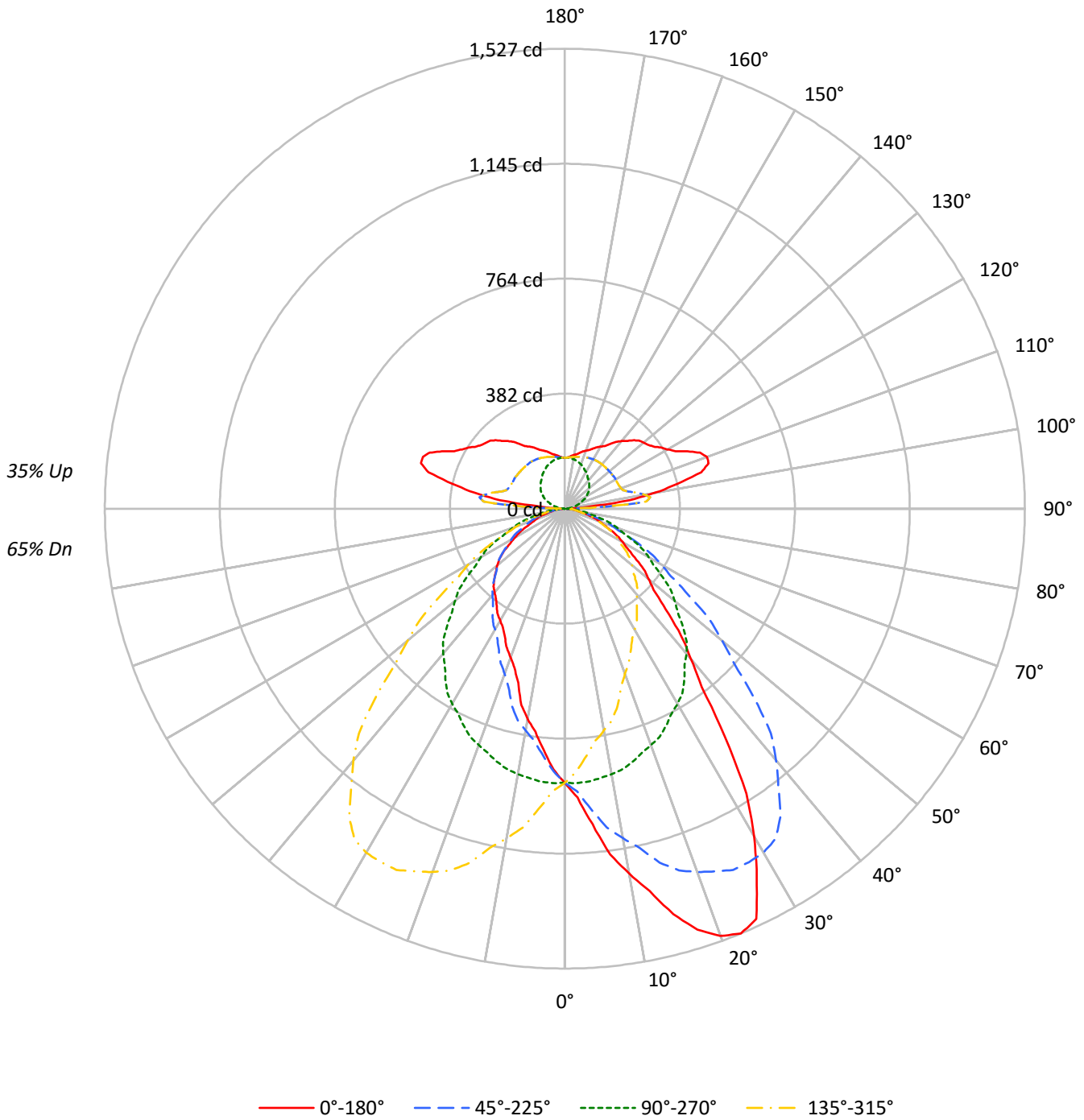
Lumens per Lamp: N/A  
Luminaire Lumens: 3534.9 lumens  
Efficiency: N/A  
Efficacy: 128.5 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 27.5  
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	111	111	111	111	104	104	104	104	92	92	92	80	80	80	70	70	70	65				
1	102	98	94	90	96	92	89	86	81	79	77	72	70	68	63	62	60	56				
2	93	86	80	75	87	81	76	71	72	68	65	64	61	58	56	54	52	48				
3	85	76	69	63	80	72	66	60	64	59	55	57	53	50	50	47	45	41				
4	78	68	60	54	74	64	57	52	57	52	47	51	47	43	45	42	39	36				
5	72	61	53	47	68	58	50	45	52	46	41	46	41	38	41	37	34	31				
6	67	55	47	41	63	52	45	39	47	41	36	42	37	33	37	33	30	28				
7	62	50	42	36	58	47	40	35	43	37	32	38	33	30	34	30	27	25				
8	58	45	37	32	54	43	36	31	39	33	29	35	30	27	31	28	25	22				
9	54	41	34	29	51	40	33	28	36	30	26	32	28	24	29	25	22	20				
10	50	38	31	26	47	36	30	25	33	27	24	30	25	22	27	23	20	18				

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

	0°	90°	180°	270°
0°	7348	7348	7348	7348
5°	8524	7370	6515	7370
10°	10083	7338	5814	7338
15°	11646	7270	4996	7270
20°	12968	7177	4517	7177
25°	13387	7085	4195	7085
30°	11719	6974	3999	6974
35°	9122	6809	3882	6809
40°	6841	6620	3818	6620
45°	5401	6318	3785	6318
50°	4560	5968	3676	5968
55°	3975	5585	3478	5585
60°	3576	5186	3079	5186
65°	3152	4756	2648	4756
70°	2840	4312	2389	4312
75°	2380	3821	2037	3821
80°	2013	3254	1911	3254
85°	1704	2547	1704	2547



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.2	2.5
10°-20°	266.0	7.5
20°-30°	416.1	11.8
30°-40°	462.6	13.1
40°-50°	410.4	11.6
50°-60°	319.8	9.0
60°-70°	209.4	5.9
70°-80°	103.0	2.9
80°-90°	26.3	0.7
90°-100°	122.5	3.5
100°-110°	254.9	7.2
110°-120°	228.3	6.5
120°-130°	192.0	5.4
130°-140°	160.1	4.5
140°-150°	122.3	3.5
150°-160°	86.0	2.4
160°-170°	50.6	1.4
170°-180°	16.5	0.5
0°-30°	770.3	21.8
0°-40°	1232.9	34.9
0°-60°	1963.1	55.5
0°-90°	2301.7	65.1
90°-120°	605.7	17.1
90°-150°	1080.2	30.6
90°-180°	1233.0	34.9
0°-180°	3534.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	910	910	910	910	910	
5°	1052	910	804	910	1052	106
15°	1394	870	598	870	1394	396
25°	1503	795	471	795	1503	667
35°	926	691	394	691	926	580
45°	473	553	332	553	473	375
55°	282	397	247	397	282	257
65°	165	249	139	249	165	166
75°	76	122	65	122	76	84
85°	18	28	18	28	18	21
90°	7	0	7	0	7	6
95°	81	11	81	11	81	126
105°	469	39	469	39	469	463
115°	450	69	450	69	450	447
125°	359	96	359	96	359	326
135°	321	114	321	114	321	248
145°	262	131	262	131	262	166
155°	220	149	220	149	220	102
165°	192	162	192	162	192	55
175°	173	169	173	169	173	17
180°	170	170	170	170	170	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	960.1	962.7	960.1	959.8	956.9	956.0	954.8	951.0	944.0	939.8	940.8
5°	1051.8	1060.9	1055.8	1055.1	1047.0	1039.0	1033.8	1022.1	1009.6	1001.2	994.2
7.5°	1157.8	1163.1	1159.9	1154.7	1141.7	1134.3	1122.4	1106.9	1084.6	1067.4	1051.9
10°	1230.0	1234.4	1232.9	1223.4	1213.9	1194.4	1183.5	1161.8	1133.5	1111.2	1090.2
12.5°	1301.0	1305.7	1292.8	1293.3	1275.2	1259.8	1242.4	1215.2	1182.5	1153.7	1127.6
15°	1393.5	1387.7	1387.7	1380.4	1360.2	1338.9	1321.0	1292.3	1251.2	1216.8	1180.5
17.5°	1466.0	1468.1	1465.1	1447.7	1431.9	1409.9	1377.0	1343.6	1305.4	1259.1	1222.1
20°	1509.5	1509.5	1506.2	1494.4	1473.9	1450.4	1414.9	1378.6	1330.1	1283.6	1241.7
22.5°	1527.0	1528.2	1524.4	1514.7	1496.2	1473.3	1443.0	1406.1	1356.2	1303.8	1252.0
25°	1502.9	1509.8	1510.5	1508.0	1502.5	1488.6	1462.5	1424.7	1380.0	1323.1	1267.4
27.5°	1379.8	1388.6	1396.3	1408.9	1425.8	1434.6	1435.8	1416.5	1377.5	1322.9	1266.8
30°	1257.2	1264.4	1288.3	1319.5	1343.7	1365.6	1384.8	1389.9	1367.9	1318.7	1259.7
32.5°	1121.0	1131.0	1154.8	1188.4	1228.7	1265.9	1308.8	1330.6	1330.0	1300.5	1245.9
35°	925.6	932.9	955.0	990.1	1038.6	1093.9	1161.8	1214.6	1250.6	1247.9	1214.6
37.5°	746.5	754.8	777.0	806.3	853.2	921.7	987.4	1060.2	1126.6	1163.9	1152.7
40°	649.1	649.5	671.1	701.2	745.2	804.9	876.5	957.2	1031.2	1091.7	1103.4
42.5°	572.2	572.3	586.6	619.1	650.7	707.0	775.2	855.4	942.1	1011.9	1043.0
45°	473.1	476.4	488.1	507.6	532.4	580.1	634.8	709.3	806.4	889.3	941.0
47.5°	400.6	405.5	412.9	428.8	448.7	480.4	525.6	592.5	671.6	762.7	836.3
50°	363.1	363.8	373.3	382.1	399.4	424.7	464.3	520.0	592.7	680.2	762.0
52.5°	330.8	330.6	336.4	347.5	361.6	381.3	413.2	464.0	528.4	606.9	691.4
55°	282.4	284.2	288.6	297.4	308.0	322.0	347.3	385.4	436.0	503.1	579.8
57.5°	245.5	246.5	250.0	253.7	263.4	273.6	292.6	319.1	361.7	416.7	488.1
60°	221.5	221.9	223.0	228.5	236.2	245.7	258.5	280.9	316.9	367.1	423.6
62.5°	198.0	198.7	200.4	204.4	210.4	217.0	230.4	248.4	278.1	321.0	371.9
65°	165.0	165.4	168.0	169.5	174.2	180.0	189.9	202.1	222.6	258.5	297.1
67.5°	137.9	137.9	138.0	140.1	143.4	147.2	153.2	162.9	178.3	200.4	234.3
70°	120.3	120.3	121.0	122.2	123.9	127.2	130.5	137.9	149.3	167.2	193.2
72.5°	103.9	104.2	104.9	105.1	106.0	108.8	111.2	115.8	124.3	137.9	158.9
75°	76.3	77.4	79.2	80.7	82.5	82.2	84.7	87.7	90.2	98.3	110.4
77.5°	56.7	56.2	56.4	57.7	57.9	58.2	60.0	62.3	64.3	68.1	72.4
80°	43.3	43.3	44.4	44.8	44.4	44.8	46.6	47.7	48.4	49.9	53.9
82.5°	32.7	33.3	32.9	33.3	33.6	33.9	35.4	35.6	36.4	36.9	38.6
85°	18.4	18.7	19.0	18.4	18.4	18.4	19.0	19.4	20.2	19.8	20.5
87.5°	7.8	7.5	7.9	7.8	8.1	7.8	8.0	8.6	7.9	8.2	8.1
90°	7.0	7.0	7.4	7.0	6.7	6.7	6.3	6.0	5.7	6.0	5.4
92.5°	25.6	25.6	26.8	28.6	32.5	39.2	49.2	65.4	88.0	105.7	92.5
95°	81.2	85.6	91.6	101.9	118.3	150.5	195.2	246.9	279.2	271.5	204.9
97.5°	217.3	224.2	234.2	254.2	278.1	312.9	345.5	364.7	350.7	286.0	191.7
100°	305.5	308.1	318.1	338.5	367.4	392.1	408.4	401.7	353.1	267.9	173.9
102.5°	382.2	384.4	394.9	409.6	427.3	437.6	432.9	399.9	333.1	245.2	161.9
105°	468.7	470.7	475.3	478.1	477.4	463.7	430.7	373.1	296.8	218.5	151.6
107.5°	500.8	499.9	496.6	489.0	472.6	442.8	396.4	335.1	267.5	203.6	149.7
110°	501.3	498.3	492.4	478.3	454.7	418.1	369.8	312.2	252.9	198.5	150.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	485.6	480.8	472.4	455.4	428.6	391.9	346.3	295.3	244.6	196.1	151.8
115°	450.1	447.4	436.7	416.7	390.4	358.4	319.4	278.5	236.9	194.9	154.9
117.5°	414.0	411.9	401.1	384.4	361.9	334.8	304.2	270.2	233.4	194.5	158.2
120°	393.8	390.1	381.4	366.7	347.8	324.1	297.5	266.5	231.5	194.5	160.6
122.5°	377.8	374.1	366.7	354.2	338.2	317.4	293.2	263.3	229.4	194.3	163.0
125°	359.1	357.1	350.8	341.1	327.8	309.4	286.4	257.9	225.8	193.9	166.5
127.5°	348.2	346.2	340.8	332.2	318.9	301.5	278.5	251.2	221.1	193.1	169.5
130°	341.8	339.8	334.4	326.1	312.5	294.8	272.2	245.8	218.2	192.8	171.5
132.5°	334.6	332.6	327.5	318.1	304.7	287.1	264.9	240.3	215.6	192.7	173.4
135°	321.1	319.1	313.8	304.4	291.2	274.5	254.2	232.5	211.5	192.2	176.3
137.5°	304.4	302.1	297.7	288.5	276.0	261.0	243.8	225.6	208.1	192.2	177.9
140°	292.5	289.8	285.1	277.9	266.2	252.1	237.1	221.5	206.2	191.9	179.2
142.5°	279.7	277.9	273.7	266.9	256.6	244.4	231.6	217.8	204.6	191.9	180.3
145°	262.1	260.5	257.1	251.5	243.2	233.8	223.9	212.5	201.9	191.2	180.9
147.5°	246.7	246.0	243.6	238.7	232.5	225.2	217.2	208.2	199.4	190.0	181.3
150°	237.8	237.5	235.5	231.2	225.8	219.9	213.2	205.6	197.6	189.2	181.3
152.5°	229.9	229.5	228.3	224.8	220.3	215.4	209.2	202.6	195.4	187.8	180.7
155°	219.5	219.5	218.5	215.8	212.5	208.5	203.5	198.2	192.2	185.9	179.9
157.5°	210.5	210.5	209.9	207.8	205.4	202.2	197.9	193.5	189.0	183.8	179.0
160°	204.9	204.9	204.5	202.6	200.6	197.8	194.2	190.6	186.5	182.2	178.2
162.5°	199.5	199.8	199.4	197.5	196.0	193.6	190.8	187.7	184.5	180.6	177.4
165°	191.5	191.9	192.2	190.9	189.5	187.8	185.6	183.5	180.9	178.2	175.9
167.5°	185.2	185.5	185.6	184.6	184.0	183.0	181.2	179.6	177.7	175.8	174.3
170°	181.3	181.3	181.5	181.3	180.6	179.6	178.2	177.2	175.6	174.2	173.2
172.5°	177.2	177.8	178.0	177.8	177.4	176.6	175.8	175.1	173.7	172.6	172.2
175°	172.6	173.2	173.9	173.2	173.2	173.2	172.6	172.2	171.5	170.9	170.9
177.5°	169.8	170.3	170.9	170.6	170.9	170.6	170.6	170.3	170.1	169.8	169.8
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	937.8	933.7	931.6	926.9	921.3	918.4	915.8	912.0	907.0	901.7	897.9
5°	985.4	976.6	965.5	952.3	940.7	929.3	919.4	909.5	898.1	886.4	874.7
7.5°	1034.3	1016.9	998.2	976.6	955.5	936.4	918.8	901.9	882.9	865.7	850.2
10°	1068.3	1044.8	1018.8	991.3	963.7	939.9	916.4	895.1	871.7	850.8	833.2
12.5°	1095.9	1068.3	1037.0	1002.7	969.6	940.8	913.8	886.1	859.4	836.7	813.2
15°	1141.6	1103.8	1061.7	1020.6	977.7	938.5	902.1	869.9	839.4	807.6	785.1
17.5°	1173.1	1128.2	1077.0	1027.7	976.9	930.7	888.8	850.4	815.2	782.7	756.0
20°	1191.8	1142.4	1085.5	1029.4	972.5	923.0	878.0	835.4	799.1	763.9	736.4
22.5°	1202.4	1147.6	1085.5	1026.7	967.9	914.3	864.8	820.5	780.9	745.7	715.3
25°	1205.8	1147.1	1083.6	1016.2	951.7	894.8	843.5	795.4	751.4	716.2	683.9
27.5°	1201.1	1132.0	1067.1	997.8	931.2	871.3	817.4	766.9	722.8	685.0	652.0
30°	1194.0	1120.0	1050.3	978.5	911.0	853.4	796.5	748.1	702.3	663.1	629.7
32.5°	1178.8	1105.3	1030.4	956.7	888.3	829.1	775.1	726.4	681.5	641.3	605.9
35°	1148.6	1074.1	992.7	917.2	850.1	788.4	737.8	690.9	648.0	605.1	567.7
37.5°	1108.7	1032.7	951.7	869.0	801.8	743.7	697.2	653.2	611.2	572.1	530.7
40°	1071.2	1001.9	918.3	836.1	767.2	711.1	668.2	628.2	586.1	547.1	505.7
42.5°	1025.8	966.7	882.2	799.7	731.7	677.6	637.6	598.6	560.2	522.5	479.3
45°	949.8	905.1	825.9	746.7	678.1	624.5	587.9	553.4	519.6	483.7	443.0
47.5°	862.8	832.5	764.2	683.1	619.6	571.5	536.0	507.8	479.3	443.4	407.6
50°	802.4	783.0	717.0	642.9	582.4	538.0	501.7	475.2	451.5	417.0	385.0
52.5°	737.8	727.5	671.8	600.9	542.4	499.0	468.0	444.2	420.1	391.4	361.6
55°	639.6	645.1	597.8	536.5	481.5	444.9	416.6	396.8	376.3	352.0	328.9
57.5°	539.0	559.2	527.4	473.6	422.1	388.2	366.9	350.2	333.1	312.9	293.2
60°	478.9	495.8	477.9	430.6	385.4	353.9	334.1	321.2	304.0	285.7	270.6
62.5°	420.3	438.3	427.6	389.5	347.6	320.5	303.0	291.1	278.2	262.2	246.6
65°	346.6	358.3	353.2	326.8	297.1	273.9	257.8	249.0	237.2	225.6	211.6
67.5°	265.4	288.1	285.1	271.1	245.4	227.3	216.8	209.1	198.3	189.6	180.1
70°	218.2	239.1	238.7	227.3	213.4	196.5	189.3	182.7	173.1	164.7	156.9
72.5°	178.6	197.7	200.6	191.9	182.4	169.6	162.5	158.0	148.7	143.0	136.7
75°	125.1	139.0	142.7	142.7	138.3	131.7	125.5	122.5	115.8	110.7	107.1
77.5°	82.0	90.8	96.5	97.8	98.5	96.3	91.1	89.1	84.1	82.2	78.7
80°	58.0	63.8	70.4	72.6	74.5	73.7	71.5	70.0	65.3	63.4	62.0
82.5°	40.1	43.3	48.7	53.5	53.1	55.0	53.1	51.8	48.3	47.6	46.1
85°	20.9	21.3	22.0	25.3	27.1	27.9	28.3	27.5	26.4	26.4	23.8
87.5°	8.0	7.6	7.8	7.8	8.1	9.2	9.9	10.1	9.3	8.6	7.8
90°	4.6	4.6	2.6	2.6	2.4	2.0	1.0	0.4	1.0	2.0	2.4
92.5°	67.3	41.5	24.5	17.6	12.7	8.7	5.6	3.8	5.6	8.7	12.7
95°	125.3	70.6	41.7	27.6	19.7	15.4	12.0	11.0	12.0	15.4	19.7
97.5°	112.6	67.5	45.1	33.5	26.6	22.6	19.7	19.7	19.7	22.6	26.6
100°	105.9	68.3	48.6	38.0	31.7	27.6	25.4	25.4	25.4	27.6	31.7
102.5°	104.1	71.0	53.2	43.1	36.9	33.3	31.2	30.6	31.2	33.3	36.9
105°	104.9	77.3	61.3	51.7	45.6	41.7	40.0	39.0	40.0	41.7	45.6
107.5°	109.9	84.6	70.0	60.5	54.8	50.5	48.8	48.2	48.8	50.5	54.8
110°	113.6	90.3	75.6	66.6	60.6	56.6	55.0	54.3	55.0	56.6	60.6





TEST NUMBER: P332897-830

CATALOG NUMBER: SA4XXRDIP-C575D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	117.6	95.6	81.4	72.5	66.4	62.8	60.8	60.1	60.8	62.8	66.4
115°	123.9	104.0	90.6	81.6	75.3	71.9	69.7	68.6	69.7	71.9	75.3
117.5°	130.4	112.0	99.3	90.0	84.1	80.4	78.3	77.4	78.3	80.4	84.1
120°	134.9	117.6	104.9	95.6	89.9	86.2	84.0	83.3	84.0	86.2	89.9
122.5°	139.2	122.9	110.3	101.2	95.0	91.6	89.3	88.6	89.3	91.6	95.0
125°	145.5	130.3	118.3	109.0	102.6	99.0	96.9	95.6	96.9	99.0	102.6
127.5°	151.1	137.0	125.5	116.0	109.4	105.3	102.8	101.8	102.8	105.3	109.4
130°	154.6	141.6	130.3	120.6	114.2	109.2	106.6	105.3	106.6	109.2	114.2
132.5°	158.1	145.3	133.9	124.9	118.0	113.3	109.8	108.8	109.8	113.3	118.0
135°	162.6	150.5	139.6	130.9	123.9	118.3	114.9	113.6	114.9	118.3	123.9
137.5°	165.8	154.6	144.3	136.0	128.8	123.4	119.7	118.5	119.7	123.4	128.8
140°	167.9	157.2	147.2	139.2	132.2	126.6	122.9	122.0	122.9	126.6	132.2
142.5°	169.5	159.7	149.9	142.1	135.4	130.1	126.7	125.6	126.7	130.1	135.4
145°	171.3	162.2	153.5	146.3	139.9	135.3	132.0	130.9	132.0	135.3	139.9
147.5°	172.8	164.9	156.7	150.1	144.9	140.2	137.1	136.9	137.1	140.2	144.9
150°	173.5	166.3	158.9	152.6	147.6	143.5	140.9	140.5	140.9	143.5	147.6
152.5°	174.1	167.3	160.8	155.0	150.5	146.8	144.1	144.0	144.1	146.8	150.5
155°	174.6	168.9	163.2	158.3	154.6	151.3	149.2	148.9	149.2	151.3	154.6
157.5°	174.6	170.0	165.2	161.3	158.1	155.5	153.6	153.6	153.6	155.5	158.1
160°	174.6	170.6	166.5	162.9	160.2	157.9	156.6	156.6	156.6	157.9	160.2
162.5°	174.6	171.1	167.4	164.5	162.1	160.0	159.0	159.2	159.0	160.0	162.1
165°	173.9	171.3	168.2	166.3	164.6	162.9	162.2	162.2	162.2	162.9	164.6
167.5°	173.1	171.2	169.0	167.4	166.5	165.2	164.9	165.2	164.9	165.2	166.5
170°	172.6	170.9	169.2	168.2	167.6	166.5	166.3	166.5	166.3	166.5	167.6
172.5°	172.0	170.6	169.5	168.7	168.3	167.6	167.6	167.9	167.6	167.6	168.3
175°	171.3	170.2	169.6	169.6	169.2	168.9	168.9	169.2	168.9	168.9	169.2
177.5°	170.3	169.8	169.6	169.6	169.6	169.3	169.6	169.8	169.6	169.3	169.6
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6



TEST NUMBER: P332897-830

CATALOG NUMBER: SA4XXRDIP-C575D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	893.8	890.9	887.0	882.6	877.3	872.7	870.6	872.3	873.3	870.9	870.6
5°	866.6	857.4	850.1	839.1	830.3	822.9	817.7	815.6	816.3	810.5	809.0
7.5°	835.9	825.1	813.1	800.0	787.9	777.1	771.5	768.4	762.1	759.5	755.0
10°	816.3	801.6	789.9	774.5	760.6	747.7	741.5	736.4	730.2	727.2	721.0
12.5°	796.1	779.1	766.2	750.2	735.9	720.5	714.5	705.0	695.2	689.1	681.1
15°	767.5	747.1	731.2	712.2	695.3	677.7	661.9	644.3	637.7	623.8	615.8
17.5°	734.1	713.3	693.8	668.3	642.2	620.4	603.5	586.7	576.6	567.7	563.5
20°	712.2	693.1	666.0	636.3	607.3	583.1	569.5	558.6	547.5	541.3	536.9
22.5°	691.4	667.0	635.5	603.4	574.5	555.5	544.0	532.7	523.8	517.8	512.0
25°	656.5	624.5	591.2	554.5	534.7	518.2	505.7	496.5	491.1	483.3	480.4
27.5°	620.6	581.9	545.1	520.5	499.8	484.7	473.9	467.0	460.1	455.1	451.3
30°	593.0	553.7	520.8	497.3	476.4	463.9	455.1	447.0	441.6	437.5	434.6
32.5°	565.7	526.5	498.7	473.5	457.0	444.9	435.5	429.4	425.1	419.9	418.1
35°	526.2	491.4	467.2	444.5	427.6	416.6	409.3	403.0	399.4	397.9	396.8
37.5°	488.3	459.8	433.8	415.1	400.1	391.4	382.8	379.8	377.2	374.6	375.8
40°	464.3	437.5	414.4	394.6	382.5	373.0	367.8	364.2	361.9	361.9	361.9
42.5°	443.5	417.3	394.7	377.0	364.9	356.8	351.1	348.0	347.3	346.9	348.7
45°	411.1	386.9	364.2	349.5	339.2	331.1	327.8	325.3	325.3	326.8	327.2
47.5°	379.1	356.4	338.1	321.7	312.3	307.3	304.3	303.0	303.2	304.6	306.3
50°	359.4	337.1	319.1	304.3	295.6	290.8	288.2	287.5	288.2	288.2	290.8
52.5°	338.0	317.9	300.3	287.9	278.0	273.5	272.1	271.1	271.5	272.7	273.8
55°	306.6	288.6	271.7	260.0	252.7	249.8	246.5	246.9	246.1	246.9	246.9
57.5°	275.1	259.0	243.3	233.9	227.5	223.3	219.7	220.6	219.6	219.4	218.9
60°	254.9	237.2	224.8	216.4	209.1	205.4	202.1	202.8	201.7	201.0	199.5
62.5°	232.9	218.2	206.3	198.2	192.3	188.0	184.7	184.0	181.4	179.0	175.7
65°	201.0	188.9	178.2	170.5	165.0	161.7	159.2	156.9	151.5	145.6	142.7
67.5°	169.9	161.2	151.3	144.8	140.3	136.0	131.1	127.3	122.2	118.9	117.2
70°	150.0	141.6	133.1	126.9	122.2	118.1	112.5	110.0	106.3	104.9	103.0
72.5°	130.9	123.1	115.2	109.6	104.5	101.3	97.1	94.4	92.8	92.3	90.4
75°	102.0	95.8	89.8	84.7	80.7	78.5	76.6	74.8	74.1	70.8	68.9
77.5°	74.4	70.2	66.6	63.0	60.0	58.6	55.0	53.0	51.7	50.1	49.8
80°	58.0	55.0	51.4	49.1	45.1	43.6	42.1	41.8	41.5	41.1	40.7
82.5°	43.5	40.6	36.9	35.6	34.6	33.6	32.8	32.4	32.0	32.2	32.2
85°	22.0	20.5	20.5	20.2	19.8	19.4	19.0	19.0	18.7	19.0	18.7
87.5°	7.8	7.5	8.0	7.4	7.8	7.9	7.5	7.6	8.0	7.5	7.5
90°	2.6	2.6	4.6	4.6	5.4	6.0	5.7	6.0	6.3	6.7	6.7
92.5°	17.6	24.5	41.5	67.3	92.5	105.7	88.0	65.4	49.2	39.2	32.5
95°	27.6	41.7	70.6	125.3	204.9	271.5	279.2	246.9	195.2	150.5	118.3
97.5°	33.5	45.1	67.5	112.6	191.7	286.0	350.7	364.7	345.5	312.9	278.1
100°	38.0	48.6	68.3	105.9	173.9	267.9	353.1	401.7	408.4	392.1	367.4
102.5°	43.1	53.2	71.0	104.1	161.9	245.2	333.1	399.9	432.9	437.6	427.3
105°	51.7	61.3	77.3	104.9	151.6	218.5	296.8	373.1	430.7	463.7	477.4
107.5°	60.5	70.0	84.6	109.9	149.7	203.6	267.5	335.1	396.4	442.8	472.6
110°	66.6	75.6	90.3	113.6	150.2	198.5	252.9	312.2	369.8	418.1	454.7



TEST NUMBER: P332897-830

CATALOG NUMBER: SA4XXRDIP-C575D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	72.5	81.4	95.6	117.6	151.8	196.1	244.6	295.3	346.3	391.9	428.6
115°	81.6	90.6	104.0	123.9	154.9	194.9	236.9	278.5	319.4	358.4	390.4
117.5°	90.0	99.3	112.0	130.4	158.2	194.5	233.4	270.2	304.2	334.8	361.9
120°	95.6	104.9	117.6	134.9	160.6	194.5	231.5	266.5	297.5	324.1	347.8
122.5°	101.2	110.3	122.9	139.2	163.0	194.3	229.4	263.3	293.2	317.4	338.2
125°	109.0	118.3	130.3	145.5	166.5	193.9	225.8	257.9	286.4	309.4	327.8
127.5°	116.0	125.5	137.0	151.1	169.5	193.1	221.1	251.2	278.5	301.5	318.9
130°	120.6	130.3	141.6	154.6	171.5	192.8	218.2	245.8	272.2	294.8	312.5
132.5°	124.9	133.9	145.3	158.1	173.4	192.7	215.6	240.3	264.9	287.1	304.7
135°	130.9	139.6	150.5	162.6	176.3	192.2	211.5	232.5	254.2	274.5	291.2
137.5°	136.0	144.3	154.6	165.8	177.9	192.2	208.1	225.6	243.8	261.0	276.0
140°	139.2	147.2	157.2	167.9	179.2	191.9	206.2	221.5	237.1	252.1	266.2
142.5°	142.1	149.9	159.7	169.5	180.3	191.9	204.6	217.8	231.6	244.4	256.6
145°	146.3	153.5	162.2	171.3	180.9	191.2	201.9	212.5	223.9	233.8	243.2
147.5°	150.1	156.7	164.9	172.8	181.3	190.0	199.4	208.2	217.2	225.2	232.5
150°	152.6	158.9	166.3	173.5	181.3	189.2	197.6	205.6	213.2	219.9	225.8
152.5°	155.0	160.8	167.3	174.1	180.7	187.8	195.4	202.6	209.2	215.4	220.3
155°	158.3	163.2	168.9	174.6	179.9	185.9	192.2	198.2	203.5	208.5	212.5
157.5°	161.3	165.2	170.0	174.6	179.0	183.8	189.0	193.5	197.9	202.2	205.4
160°	162.9	166.5	170.6	174.6	178.2	182.2	186.5	190.6	194.2	197.8	200.6
162.5°	164.5	167.4	171.1	174.6	177.4	180.6	184.5	187.7	190.8	193.6	196.0
165°	166.3	168.2	171.3	173.9	175.9	178.2	180.9	183.5	185.6	187.8	189.5
167.5°	167.4	169.0	171.2	173.1	174.3	175.8	177.7	179.6	181.2	183.0	184.0
170°	168.2	169.2	170.9	172.6	173.2	174.2	175.6	177.2	178.2	179.6	180.6
172.5°	168.7	169.5	170.6	172.0	172.2	172.6	173.7	175.1	175.8	176.6	177.4
175°	169.6	169.6	170.2	171.3	170.9	170.9	171.5	172.2	172.6	173.2	173.2
177.5°	169.6	169.6	169.8	170.3	169.8	169.8	170.1	170.3	170.6	170.6	170.9
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6



TEST NUMBER: P332897-830

CATALOG NUMBER: SA4XXRDIP-C575D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	868.8	869.4	867.4	866.8	867.4	869.4	868.8	870.6	870.9	873.3	872.3
5°	806.1	805.3	803.5	803.9	803.5	805.3	806.1	809.0	810.5	816.3	815.6
7.5°	752.3	749.5	750.4	747.3	750.4	749.5	752.3	755.0	759.5	762.1	768.4
10°	719.5	715.5	712.2	709.3	712.2	715.5	719.5	721.0	727.2	730.2	736.4
12.5°	674.7	671.2	666.7	667.6	666.7	671.2	674.7	681.1	689.1	695.2	705.0
15°	611.0	605.5	596.6	597.8	596.6	605.5	611.0	615.8	623.8	637.7	644.3
17.5°	557.0	557.1	553.1	554.0	553.1	557.1	557.0	563.5	567.7	576.6	586.7
20°	529.1	526.6	527.0	525.8	527.0	526.6	529.1	536.9	541.3	547.5	558.6
22.5°	509.8	506.7	504.1	501.8	504.1	506.7	509.8	512.0	517.8	523.8	532.7
25°	477.1	474.9	471.6	470.9	471.6	474.9	477.1	480.4	483.3	491.1	496.5
27.5°	448.4	447.9	446.6	444.9	446.6	447.9	448.4	451.3	455.1	460.1	467.0
30°	431.6	430.9	430.2	429.0	430.2	430.9	431.6	434.6	437.5	441.6	447.0
32.5°	416.7	416.2	415.5	415.6	415.5	416.2	416.7	418.1	419.9	425.1	429.4
35°	395.3	394.9	394.3	393.9	394.3	394.9	395.3	396.8	397.9	399.4	403.0
37.5°	375.4	376.4	375.9	375.8	375.9	376.4	375.4	375.8	374.6	377.2	379.8
40°	361.6	361.9	362.7	362.3	362.7	361.9	361.6	361.9	361.9	361.9	364.2
42.5°	350.2	350.2	351.3	350.0	351.3	350.2	350.2	348.7	346.9	347.3	348.0
45°	329.7	331.9	331.5	331.5	331.5	331.9	329.7	327.2	326.8	325.3	325.3
47.5°	307.3	309.2	309.7	309.6	309.7	309.2	307.3	306.3	304.6	303.2	303.0
50°	292.7	291.9	293.0	292.7	293.0	291.9	292.7	290.8	288.2	288.2	287.5
52.5°	274.8	274.9	274.8	274.5	274.8	274.9	274.8	273.8	272.7	271.5	271.1
55°	247.1	247.5	246.9	247.1	246.9	247.5	247.1	246.9	246.9	246.1	246.9
57.5°	217.3	215.5	216.2	215.4	216.2	215.5	217.3	218.9	219.4	219.6	220.6
60°	195.9	192.9	192.2	190.7	192.2	192.9	195.9	199.5	201.0	201.7	202.8
62.5°	171.7	169.8	167.2	168.4	167.2	169.8	171.7	175.7	179.0	181.4	184.0
65°	139.7	138.3	137.1	138.6	137.1	138.3	139.7	142.7	145.6	151.5	156.9
67.5°	115.6	114.9	114.9	114.1	114.9	114.9	115.6	117.2	118.9	122.2	127.3
70°	103.0	102.0	102.0	101.2	102.0	102.0	103.0	103.0	104.9	106.3	110.0
72.5°	90.1	89.1	89.4	88.9	89.4	89.1	90.1	90.4	92.3	92.8	94.4
75°	66.7	64.9	64.9	65.3	64.9	64.9	66.7	68.9	70.8	74.1	74.8
77.5°	49.8	49.4	50.0	49.3	50.0	49.4	49.8	49.8	50.1	51.7	53.0
80°	40.7	40.3	40.0	41.1	40.0	40.3	40.7	40.7	41.1	41.5	41.8
82.5°	31.6	31.6	31.5	32.9	31.5	31.6	31.6	32.2	32.2	32.0	32.4
85°	19.0	18.4	19.0	18.4	19.0	18.4	19.0	18.7	19.0	18.7	19.0
87.5°	8.1	7.9	7.5	7.8	7.5	7.9	8.1	7.5	7.5	8.0	7.6
90°	7.0	7.4	7.0	7.0	7.0	7.4	7.0	6.7	6.7	6.3	6.0
92.5°	28.6	26.8	25.6	25.6	25.6	26.8	28.6	32.5	39.2	49.2	65.4
95°	101.9	91.6	85.6	81.2	85.6	91.6	101.9	118.3	150.5	195.2	246.9
97.5°	254.2	234.2	224.2	217.3	224.2	234.2	254.2	278.1	312.9	345.5	364.7
100°	338.5	318.1	308.1	305.5	308.1	318.1	338.5	367.4	392.1	408.4	401.7
102.5°	409.6	394.9	384.4	382.2	384.4	394.9	409.6	427.3	437.6	432.9	399.9
105°	478.1	475.3	470.7	468.7	470.7	475.3	478.1	477.4	463.7	430.7	373.1
107.5°	489.0	496.6	499.9	500.8	499.9	496.6	489.0	472.6	442.8	396.4	335.1
110°	478.3	492.4	498.3	501.3	498.3	492.4	478.3	454.7	418.1	369.8	312.2



TEST NUMBER: P332897-830

CATALOG NUMBER: SA4XXRDIP-C575D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	455.4	472.4	480.8	485.6	480.8	472.4	455.4	428.6	391.9	346.3	295.3
115°	416.7	436.7	447.4	450.1	447.4	436.7	416.7	390.4	358.4	319.4	278.5
117.5°	384.4	401.1	411.9	414.0	411.9	401.1	384.4	361.9	334.8	304.2	270.2
120°	366.7	381.4	390.1	393.8	390.1	381.4	366.7	347.8	324.1	297.5	266.5
122.5°	354.2	366.7	374.1	377.8	374.1	366.7	354.2	338.2	317.4	293.2	263.3
125°	341.1	350.8	357.1	359.1	357.1	350.8	341.1	327.8	309.4	286.4	257.9
127.5°	332.2	340.8	346.2	348.2	346.2	340.8	332.2	318.9	301.5	278.5	251.2
130°	326.1	334.4	339.8	341.8	339.8	334.4	326.1	312.5	294.8	272.2	245.8
132.5°	318.1	327.5	332.6	334.6	332.6	327.5	318.1	304.7	287.1	264.9	240.3
135°	304.4	313.8	319.1	321.1	319.1	313.8	304.4	291.2	274.5	254.2	232.5
137.5°	288.5	297.7	302.1	304.4	302.1	297.7	288.5	276.0	261.0	243.8	225.6
140°	277.9	285.1	289.8	292.5	289.8	285.1	277.9	266.2	252.1	237.1	221.5
142.5°	266.9	273.7	277.9	279.7	277.9	273.7	266.9	256.6	244.4	231.6	217.8
145°	251.5	257.1	260.5	262.1	260.5	257.1	251.5	243.2	233.8	223.9	212.5
147.5°	238.7	243.6	246.0	246.7	246.0	243.6	238.7	232.5	225.2	217.2	208.2
150°	231.2	235.5	237.5	237.8	237.5	235.5	231.2	225.8	219.9	213.2	205.6
152.5°	224.8	228.3	229.5	229.9	229.5	228.3	224.8	220.3	215.4	209.2	202.6
155°	215.8	218.5	219.5	219.5	219.5	218.5	215.8	212.5	208.5	203.5	198.2
157.5°	207.8	209.9	210.5	210.5	210.5	209.9	207.8	205.4	202.2	197.9	193.5
160°	202.6	204.5	204.9	204.9	204.9	204.5	202.6	200.6	197.8	194.2	190.6
162.5°	197.5	199.4	199.8	199.5	199.8	199.4	197.5	196.0	193.6	190.8	187.7
165°	190.9	192.2	191.9	191.5	191.9	192.2	190.9	189.5	187.8	185.6	183.5
167.5°	184.6	185.6	185.5	185.2	185.5	185.6	184.6	184.0	183.0	181.2	179.6
170°	181.3	181.5	181.3	181.3	181.3	181.5	181.3	180.6	179.6	178.2	177.2
172.5°	177.8	178.0	177.8	177.2	177.8	178.0	177.8	177.4	176.6	175.8	175.1
175°	173.2	173.9	173.2	172.6	173.2	173.9	173.2	173.2	173.2	172.6	172.2
177.5°	170.6	170.9	170.3	169.8	170.3	170.9	170.6	170.9	170.6	170.6	170.3
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6



TEST NUMBER: P332897-830  
 CATALOG NUMBER: SA4XXRDIP-C575D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	870.6	872.7	877.3	882.6	887.0	890.9	893.8	897.9	901.7	907.0	912.0
5°	817.7	822.9	830.3	839.1	850.1	857.4	866.6	874.7	886.4	898.1	909.5
7.5°	771.5	777.1	787.9	800.0	813.1	825.1	835.9	850.2	865.7	882.9	901.9
10°	741.5	747.7	760.6	774.5	789.9	801.6	816.3	833.2	850.8	871.7	895.1
12.5°	714.5	720.5	735.9	750.2	766.2	779.1	796.1	813.2	836.7	859.4	886.1
15°	661.9	677.7	695.3	712.2	731.2	747.1	767.5	785.1	807.6	839.4	869.9
17.5°	603.5	620.4	642.2	668.3	693.8	713.3	734.1	756.0	782.7	815.2	850.4
20°	569.5	583.1	607.3	636.3	666.0	693.1	712.2	736.4	763.9	799.1	835.4
22.5°	544.0	555.5	574.5	603.4	635.5	667.0	691.4	715.3	745.7	780.9	820.5
25°	505.7	518.2	534.7	554.5	591.2	624.5	656.5	683.9	716.2	751.4	795.4
27.5°	473.9	484.7	499.8	520.5	545.1	581.9	620.6	652.0	685.0	722.8	766.9
30°	455.1	463.9	476.4	497.3	520.8	553.7	593.0	629.7	663.1	702.3	748.1
32.5°	435.5	444.9	457.0	473.5	498.7	526.5	565.7	605.9	641.3	681.5	726.4
35°	409.3	416.6	427.6	444.5	467.2	491.4	526.2	567.7	605.1	648.0	690.9
37.5°	382.8	391.4	400.1	415.1	433.8	459.8	488.3	530.7	572.1	611.2	653.2
40°	367.8	373.0	382.5	394.6	414.4	437.5	464.3	505.7	547.1	586.1	628.2
42.5°	351.1	356.8	364.9	377.0	394.7	417.3	443.5	479.3	522.5	560.2	598.6
45°	327.8	331.1	339.2	349.5	364.2	386.9	411.1	443.0	483.7	519.6	553.4
47.5°	304.3	307.3	312.3	321.7	338.1	356.4	379.1	407.6	443.4	479.3	507.8
50°	288.2	290.8	295.6	304.3	319.1	337.1	359.4	385.0	417.0	451.5	475.2
52.5°	272.1	273.5	278.0	287.9	300.3	317.9	338.0	361.6	391.4	420.1	444.2
55°	246.5	249.8	252.7	260.0	271.7	288.6	306.6	328.9	352.0	376.3	396.8
57.5°	219.7	223.3	227.5	233.9	243.3	259.0	275.1	293.2	312.9	333.1	350.2
60°	202.1	205.4	209.1	216.4	224.8	237.2	254.9	270.6	285.7	304.0	321.2
62.5°	184.7	188.0	192.3	198.2	206.3	218.2	232.9	246.6	262.2	278.2	291.1
65°	159.2	161.7	165.0	170.5	178.2	188.9	201.0	211.6	225.6	237.2	249.0
67.5°	131.1	136.0	140.3	144.8	151.3	161.2	169.9	180.1	189.6	198.3	209.1
70°	112.5	118.1	122.2	126.9	133.1	141.6	150.0	156.9	164.7	173.1	182.7
72.5°	97.1	101.3	104.5	109.6	115.2	123.1	130.9	136.7	143.0	148.7	158.0
75°	76.6	78.5	80.7	84.7	89.8	95.8	102.0	107.1	110.7	115.8	122.5
77.5°	55.0	58.6	60.0	63.0	66.6	70.2	74.4	78.7	82.2	84.1	89.1
80°	42.1	43.6	45.1	49.1	51.4	55.0	58.0	62.0	63.4	65.3	70.0
82.5°	32.8	33.6	34.6	35.6	36.9	40.6	43.5	46.1	47.6	48.3	51.8
85°	19.0	19.4	19.8	20.2	20.5	20.5	22.0	23.8	26.4	26.4	27.5
87.5°	7.5	7.9	7.8	7.4	8.0	7.5	7.8	7.8	8.6	9.3	10.1
90°	5.7	6.0	5.4	4.6	4.6	2.6	2.6	2.4	2.0	1.0	0.4
92.5°	88.0	105.7	92.5	67.3	41.5	24.5	17.6	12.7	8.7	5.6	3.8
95°	279.2	271.5	204.9	125.3	70.6	41.7	27.6	19.7	15.4	12.0	11.0
97.5°	350.7	286.0	191.7	112.6	67.5	45.1	33.5	26.6	22.6	19.7	19.7
100°	353.1	267.9	173.9	105.9	68.3	48.6	38.0	31.7	27.6	25.4	25.4
102.5°	333.1	245.2	161.9	104.1	71.0	53.2	43.1	36.9	33.3	31.2	30.6
105°	296.8	218.5	151.6	104.9	77.3	61.3	51.7	45.6	41.7	40.0	39.0
107.5°	267.5	203.6	149.7	109.9	84.6	70.0	60.5	54.8	50.5	48.8	48.2
110°	252.9	198.5	150.2	113.6	90.3	75.6	66.6	60.6	56.6	55.0	54.3



TEST NUMBER: P332897-830

CATALOG NUMBER: SA4XXRDIP-C575D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	244.6	196.1	151.8	117.6	95.6	81.4	72.5	66.4	62.8	60.8	60.1
115°	236.9	194.9	154.9	123.9	104.0	90.6	81.6	75.3	71.9	69.7	68.6
117.5°	233.4	194.5	158.2	130.4	112.0	99.3	90.0	84.1	80.4	78.3	77.4
120°	231.5	194.5	160.6	134.9	117.6	104.9	95.6	89.9	86.2	84.0	83.3
122.5°	229.4	194.3	163.0	139.2	122.9	110.3	101.2	95.0	91.6	89.3	88.6
125°	225.8	193.9	166.5	145.5	130.3	118.3	109.0	102.6	99.0	96.9	95.6
127.5°	221.1	193.1	169.5	151.1	137.0	125.5	116.0	109.4	105.3	102.8	101.8
130°	218.2	192.8	171.5	154.6	141.6	130.3	120.6	114.2	109.2	106.6	105.3
132.5°	215.6	192.7	173.4	158.1	145.3	133.9	124.9	118.0	113.3	109.8	108.8
135°	211.5	192.2	176.3	162.6	150.5	139.6	130.9	123.9	118.3	114.9	113.6
137.5°	208.1	192.2	177.9	165.8	154.6	144.3	136.0	128.8	123.4	119.7	118.5
140°	206.2	191.9	179.2	167.9	157.2	147.2	139.2	132.2	126.6	122.9	122.0
142.5°	204.6	191.9	180.3	169.5	159.7	149.9	142.1	135.4	130.1	126.7	125.6
145°	201.9	191.2	180.9	171.3	162.2	153.5	146.3	139.9	135.3	132.0	130.9
147.5°	199.4	190.0	181.3	172.8	164.9	156.7	150.1	144.9	140.2	137.1	136.9
150°	197.6	189.2	181.3	173.5	166.3	158.9	152.6	147.6	143.5	140.9	140.5
152.5°	195.4	187.8	180.7	174.1	167.3	160.8	155.0	150.5	146.8	144.1	144.0
155°	192.2	185.9	179.9	174.6	168.9	163.2	158.3	154.6	151.3	149.2	148.9
157.5°	189.0	183.8	179.0	174.6	170.0	165.2	161.3	158.1	155.5	153.6	153.6
160°	186.5	182.2	178.2	174.6	170.6	166.5	162.9	160.2	157.9	156.6	156.6
162.5°	184.5	180.6	177.4	174.6	171.1	167.4	164.5	162.1	160.0	159.0	159.2
165°	180.9	178.2	175.9	173.9	171.3	168.2	166.3	164.6	162.9	162.2	162.2
167.5°	177.7	175.8	174.3	173.1	171.2	169.0	167.4	166.5	165.2	164.9	165.2
170°	175.6	174.2	173.2	172.6	170.9	169.2	168.2	167.6	166.5	166.3	166.5
172.5°	173.7	172.6	172.2	172.0	170.6	169.5	168.7	168.3	167.6	167.6	167.9
175°	171.5	170.9	170.9	171.3	170.2	169.6	169.6	169.2	168.9	168.9	169.2
177.5°	170.1	169.8	169.8	170.3	169.8	169.6	169.6	169.6	169.3	169.6	169.8
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6



TEST NUMBER: P332897-830

CATALOG NUMBER: SA4XXRDIP-C575D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	915.8	918.4	921.3	926.9	931.6	933.7	937.8	940.8	939.8	944.0	951.0
5°	919.4	929.3	940.7	952.3	965.5	976.6	985.4	994.2	1001.2	1009.6	1022.1
7.5°	918.8	936.4	955.5	976.6	998.2	1016.9	1034.3	1051.9	1067.4	1084.6	1106.9
10°	916.4	939.9	963.7	991.3	1018.8	1044.8	1068.3	1090.2	1111.2	1133.5	1161.8
12.5°	913.8	940.8	969.6	1002.7	1037.0	1068.3	1095.9	1127.6	1153.7	1182.5	1215.2
15°	902.1	938.5	977.7	1020.6	1061.7	1103.8	1141.6	1180.5	1216.8	1251.2	1292.3
17.5°	888.8	930.7	976.9	1027.7	1077.0	1128.2	1173.1	1222.1	1259.1	1305.4	1343.6
20°	878.0	923.0	972.5	1029.4	1085.5	1142.4	1191.8	1241.7	1283.6	1330.1	1378.6
22.5°	864.8	914.3	967.9	1026.7	1085.5	1147.6	1202.4	1252.0	1303.8	1356.2	1406.1
25°	843.5	894.8	951.7	1016.2	1083.6	1147.1	1205.8	1267.4	1323.1	1380.0	1424.7
27.5°	817.4	871.3	931.2	997.8	1067.1	1132.0	1201.1	1266.8	1322.9	1377.5	1416.5
30°	796.5	853.4	911.0	978.5	1050.3	1120.0	1194.0	1259.7	1318.7	1367.9	1389.9
32.5°	775.1	829.1	888.3	956.7	1030.4	1105.3	1178.8	1245.9	1300.5	1330.0	1330.6
35°	737.8	788.4	850.1	917.2	992.7	1074.1	1148.6	1214.6	1247.9	1250.6	1214.6
37.5°	697.2	743.7	801.8	869.0	951.7	1032.7	1108.7	1152.7	1163.9	1126.6	1060.2
40°	668.2	711.1	767.2	836.1	918.3	1001.9	1071.2	1103.4	1091.7	1031.2	957.2
42.5°	637.6	677.6	731.7	799.7	882.2	966.7	1025.8	1043.0	1011.9	942.1	855.4
45°	587.9	624.5	678.1	746.7	825.9	905.1	949.8	941.0	889.3	806.4	709.3
47.5°	536.0	571.5	619.6	683.1	764.2	832.5	862.8	836.3	762.7	671.6	592.5
50°	501.7	538.0	582.4	642.9	717.0	783.0	802.4	762.0	680.2	592.7	520.0
52.5°	468.0	499.0	542.4	600.9	671.8	727.5	737.8	691.4	606.9	528.4	464.0
55°	416.6	444.9	481.5	536.5	597.8	645.1	639.6	579.8	503.1	436.0	385.4
57.5°	366.9	388.2	422.1	473.6	527.4	559.2	539.0	488.1	416.7	361.7	319.1
60°	334.1	353.9	385.4	430.6	477.9	495.8	478.9	423.6	367.1	316.9	280.9
62.5°	303.0	320.5	347.6	389.5	427.6	438.3	420.3	371.9	321.0	278.1	248.4
65°	257.8	273.9	297.1	326.8	353.2	358.3	346.6	297.1	258.5	222.6	202.1
67.5°	216.8	227.3	245.4	271.1	285.1	288.1	265.4	234.3	200.4	178.3	162.9
70°	189.3	196.5	213.4	227.3	238.7	239.1	218.2	193.2	167.2	149.3	137.9
72.5°	162.5	169.6	182.4	191.9	200.6	197.7	178.6	158.9	137.9	124.3	115.8
75°	125.5	131.7	138.3	142.7	142.7	139.0	125.1	110.4	98.3	90.2	87.7
77.5°	91.1	96.3	98.5	97.8	96.5	90.8	82.0	72.4	68.1	64.3	62.3
80°	71.5	73.7	74.5	72.6	70.4	63.8	58.0	53.9	49.9	48.4	47.7
82.5°	53.1	55.0	53.1	53.5	48.7	43.3	40.1	38.6	36.9	36.4	35.6
85°	28.3	27.9	27.1	25.3	22.0	21.3	20.9	20.5	19.8	20.2	19.4
87.5°	9.9	9.2	8.1	7.8	7.8	7.6	8.0	8.1	8.2	7.9	8.6
90°	1.0	2.0	2.4	2.6	2.6	4.6	4.6	5.4	6.0	5.7	6.0
92.5°	5.6	8.7	12.7	17.6	24.5	41.5	67.3	92.5	105.7	88.0	65.4
95°	12.0	15.4	19.7	27.6	41.7	70.6	125.3	204.9	271.5	279.2	246.9
97.5°	19.7	22.6	26.6	33.5	45.1	67.5	112.6	191.7	286.0	350.7	364.7
100°	25.4	27.6	31.7	38.0	48.6	68.3	105.9	173.9	267.9	353.1	401.7
102.5°	31.2	33.3	36.9	43.1	53.2	71.0	104.1	161.9	245.2	333.1	399.9
105°	40.0	41.7	45.6	51.7	61.3	77.3	104.9	151.6	218.5	296.8	373.1
107.5°	48.8	50.5	54.8	60.5	70.0	84.6	109.9	149.7	203.6	267.5	335.1
110°	55.0	56.6	60.6	66.6	75.6	90.3	113.6	150.2	198.5	252.9	312.2





TEST NUMBER: P332897-830

CATALOG NUMBER: SA4XXRDIP-C575D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	60.8	62.8	66.4	72.5	81.4	95.6	117.6	151.8	196.1	244.6	295.3
115°	69.7	71.9	75.3	81.6	90.6	104.0	123.9	154.9	194.9	236.9	278.5
117.5°	78.3	80.4	84.1	90.0	99.3	112.0	130.4	158.2	194.5	233.4	270.2
120°	84.0	86.2	89.9	95.6	104.9	117.6	134.9	160.6	194.5	231.5	266.5
122.5°	89.3	91.6	95.0	101.2	110.3	122.9	139.2	163.0	194.3	229.4	263.3
125°	96.9	99.0	102.6	109.0	118.3	130.3	145.5	166.5	193.9	225.8	257.9
127.5°	102.8	105.3	109.4	116.0	125.5	137.0	151.1	169.5	193.1	221.1	251.2
130°	106.6	109.2	114.2	120.6	130.3	141.6	154.6	171.5	192.8	218.2	245.8
132.5°	109.8	113.3	118.0	124.9	133.9	145.3	158.1	173.4	192.7	215.6	240.3
135°	114.9	118.3	123.9	130.9	139.6	150.5	162.6	176.3	192.2	211.5	232.5
137.5°	119.7	123.4	128.8	136.0	144.3	154.6	165.8	177.9	192.2	208.1	225.6
140°	122.9	126.6	132.2	139.2	147.2	157.2	167.9	179.2	191.9	206.2	221.5
142.5°	126.7	130.1	135.4	142.1	149.9	159.7	169.5	180.3	191.9	204.6	217.8
145°	132.0	135.3	139.9	146.3	153.5	162.2	171.3	180.9	191.2	201.9	212.5
147.5°	137.1	140.2	144.9	150.1	156.7	164.9	172.8	181.3	190.0	199.4	208.2
150°	140.9	143.5	147.6	152.6	158.9	166.3	173.5	181.3	189.2	197.6	205.6
152.5°	144.1	146.8	150.5	155.0	160.8	167.3	174.1	180.7	187.8	195.4	202.6
155°	149.2	151.3	154.6	158.3	163.2	168.9	174.6	179.9	185.9	192.2	198.2
157.5°	153.6	155.5	158.1	161.3	165.2	170.0	174.6	179.0	183.8	189.0	193.5
160°	156.6	157.9	160.2	162.9	166.5	170.6	174.6	178.2	182.2	186.5	190.6
162.5°	159.0	160.0	162.1	164.5	167.4	171.1	174.6	177.4	180.6	184.5	187.7
165°	162.2	162.9	164.6	166.3	168.2	171.3	173.9	175.9	178.2	180.9	183.5
167.5°	164.9	165.2	166.5	167.4	169.0	171.2	173.1	174.3	175.8	177.7	179.6
170°	166.3	166.5	167.6	168.2	169.2	170.9	172.6	173.2	174.2	175.6	177.2
172.5°	167.6	167.6	168.3	168.7	169.5	170.6	172.0	172.2	172.6	173.7	175.1
175°	168.9	168.9	169.2	169.6	169.6	170.2	171.3	170.9	170.9	171.5	172.2
177.5°	169.6	169.3	169.6	169.6	169.6	169.8	170.3	169.8	169.8	170.1	170.3
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	954.8	956.0	956.9	959.8	960.1	962.7	960.1
5°	1033.8	1039.0	1047.0	1055.1	1055.8	1060.9	1051.8
7.5°	1122.4	1134.3	1141.7	1154.7	1159.9	1163.1	1157.8
10°	1183.5	1194.4	1213.9	1223.4	1232.9	1234.4	1230.0
12.5°	1242.4	1259.8	1275.2	1293.3	1292.8	1305.7	1301.0
15°	1321.0	1338.9	1360.2	1380.4	1387.7	1387.7	1393.5
17.5°	1377.0	1409.9	1431.9	1447.7	1465.1	1468.1	1466.0
20°	1414.9	1450.4	1473.9	1494.4	1506.2	1509.5	1509.5
22.5°	1443.0	1473.3	1496.2	1514.7	1524.4	1528.2	1527.0
25°	1462.5	1488.6	1502.5	1508.0	1510.5	1509.8	1502.9
27.5°	1435.8	1434.6	1425.8	1408.9	1396.3	1388.6	1379.8
30°	1384.8	1365.6	1343.7	1319.5	1288.3	1264.4	1257.2
32.5°	1308.8	1265.9	1228.7	1188.4	1154.8	1131.0	1121.0
35°	1161.8	1093.9	1038.6	990.1	955.0	932.9	925.6
37.5°	987.4	921.7	853.2	806.3	777.0	754.8	746.5
40°	876.5	804.9	745.2	701.2	671.1	649.5	649.1
42.5°	775.2	707.0	650.7	619.1	586.6	572.3	572.2
45°	634.8	580.1	532.4	507.6	488.1	476.4	473.1
47.5°	525.6	480.4	448.7	428.8	412.9	405.5	400.6
50°	464.3	424.7	399.4	382.1	373.3	363.8	363.1
52.5°	413.2	381.3	361.6	347.5	336.4	330.6	330.8
55°	347.3	322.0	308.0	297.4	288.6	284.2	282.4
57.5°	292.6	273.6	263.4	253.7	250.0	246.5	245.5
60°	258.5	245.7	236.2	228.5	223.0	221.9	221.5
62.5°	230.4	217.0	210.4	204.4	200.4	198.7	198.0
65°	189.9	180.0	174.2	169.5	168.0	165.4	165.0
67.5°	153.2	147.2	143.4	140.1	138.0	137.9	137.9
70°	130.5	127.2	123.9	122.2	121.0	120.3	120.3
72.5°	111.2	108.8	106.0	105.1	104.9	104.2	103.9
75°	84.7	82.2	82.5	80.7	79.2	77.4	76.3
77.5°	60.0	58.2	57.9	57.7	56.4	56.2	56.7
80°	46.6	44.8	44.4	44.8	44.4	43.3	43.3
82.5°	35.4	33.9	33.6	33.3	32.9	33.3	32.7
85°	19.0	18.4	18.4	18.4	19.0	18.7	18.4
87.5°	8.0	7.8	8.1	7.8	7.9	7.5	7.8
90°	6.3	6.7	6.7	7.0	7.4	7.0	7.0
92.5°	49.2	39.2	32.5	28.6	26.8	25.6	25.6
95°	195.2	150.5	118.3	101.9	91.6	85.6	81.2
97.5°	345.5	312.9	278.1	254.2	234.2	224.2	217.3
100°	408.4	392.1	367.4	338.5	318.1	308.1	305.5
102.5°	432.9	437.6	427.3	409.6	394.9	384.4	382.2
105°	430.7	463.7	477.4	478.1	475.3	470.7	468.7
107.5°	396.4	442.8	472.6	489.0	496.6	499.9	500.8
110°	369.8	418.1	454.7	478.3	492.4	498.3	501.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	346.3	391.9	428.6	455.4	472.4	480.8	485.6
115°	319.4	358.4	390.4	416.7	436.7	447.4	450.1
117.5°	304.2	334.8	361.9	384.4	401.1	411.9	414.0
120°	297.5	324.1	347.8	366.7	381.4	390.1	393.8
122.5°	293.2	317.4	338.2	354.2	366.7	374.1	377.8
125°	286.4	309.4	327.8	341.1	350.8	357.1	359.1
127.5°	278.5	301.5	318.9	332.2	340.8	346.2	348.2
130°	272.2	294.8	312.5	326.1	334.4	339.8	341.8
132.5°	264.9	287.1	304.7	318.1	327.5	332.6	334.6
135°	254.2	274.5	291.2	304.4	313.8	319.1	321.1
137.5°	243.8	261.0	276.0	288.5	297.7	302.1	304.4
140°	237.1	252.1	266.2	277.9	285.1	289.8	292.5
142.5°	231.6	244.4	256.6	266.9	273.7	277.9	279.7
145°	223.9	233.8	243.2	251.5	257.1	260.5	262.1
147.5°	217.2	225.2	232.5	238.7	243.6	246.0	246.7
150°	213.2	219.9	225.8	231.2	235.5	237.5	237.8
152.5°	209.2	215.4	220.3	224.8	228.3	229.5	229.9
155°	203.5	208.5	212.5	215.8	218.5	219.5	219.5
157.5°	197.9	202.2	205.4	207.8	209.9	210.5	210.5
160°	194.2	197.8	200.6	202.6	204.5	204.9	204.9
162.5°	190.8	193.6	196.0	197.5	199.4	199.8	199.5
165°	185.6	187.8	189.5	190.9	192.2	191.9	191.5
167.5°	181.2	183.0	184.0	184.6	185.6	185.5	185.2
170°	178.2	179.6	180.6	181.3	181.5	181.3	181.3
172.5°	175.8	176.6	177.4	177.8	178.0	177.8	177.2
175°	172.6	173.2	173.2	173.2	173.9	173.2	172.6
177.5°	170.6	170.6	170.9	170.6	170.9	170.3	169.8
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6

(END OF REPORT)