

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: P332897-840

Luminaire Tested: **SA4XXRDIP-C575D365U840-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332897-840  
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-C575D365U840-4F0-1E-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

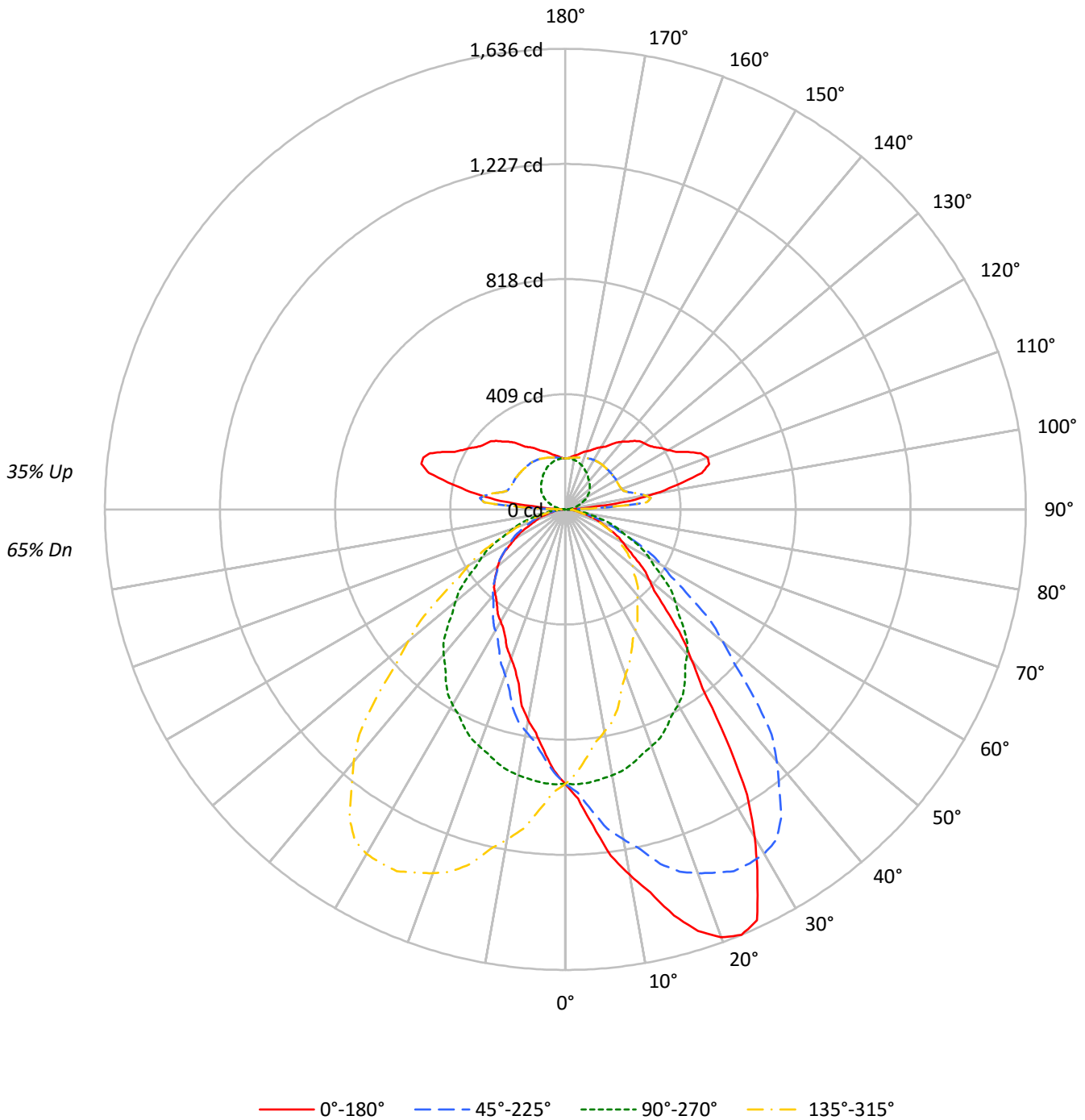
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3787.4 lumens  
Efficiency: N/A  
Efficacy: 137.7 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°	7873	7873	7873	7873
5°	9132	7896	6980	7896
10°	10803	7862	6229	7862
15°	12479	7789	5353	7789
20°	13894	7689	4840	7689
25°	14343	7591	4494	7591
30°	12557	7471	4285	7471
35°	9773	7295	4159	7295
40°	7330	7093	4091	7093
45°	5787	6769	4055	6769
50°	4886	6395	3939	6395
55°	4259	5985	3727	5985
60°	3831	5557	3299	5557
65°	3377	5096	2839	5096
70°	3043	4619	2561	4619
75°	2548	4095	2183	4095
80°	2157	3487	2046	3487
85°	1825	2732	1825	2732



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.5	2.5
10°-20°	285.0	7.5
20°-30°	445.8	11.8
30°-40°	495.6	13.1
40°-50°	439.7	11.6
50°-60°	342.6	9.0
60°-70°	224.3	5.9
70°-80°	110.3	2.9
80°-90°	28.2	0.7
90°-100°	131.2	3.5
100°-110°	273.1	7.2
110°-120°	244.6	6.5
120°-130°	205.8	5.4
130°-140°	171.6	4.5
140°-150°	131.1	3.5
150°-160°	92.1	2.4
160°-170°	54.2	1.4
170°-180°	17.6	0.5
0°-30°	825.3	21.8
0°-40°	1320.9	34.9
0°-60°	2103.3	55.5
0°-90°	2466.2	65.1
90°-120°	648.9	17.1
90°-150°	1157.3	30.6
90°-180°	1321.0	34.9
0°-180°	3787.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	975	975	975	975	975	
5°	1127	974	861	974	1127	114
15°	1493	932	640	932	1493	425
25°	1610	852	504	852	1610	714
35°	992	740	422	740	992	622
45°	507	593	355	593	507	401
55°	303	425	265	425	303	275
65°	177	267	149	267	177	178
75°	82	131	70	131	82	90
85°	20	30	20	30	20	22
90°	8	0	8	0	8	7
95°	87	12	87	12	87	135
105°	502	42	502	42	502	496
115°	482	74	482	74	482	479
125°	385	102	385	102	385	350
135°	344	122	344	122	344	266
145°	281	140	281	140	281	178
155°	235	160	235	160	235	110
165°	205	174	205	174	205	59
175°	185	181	185	181	185	18
180°	182	182	182	182	182	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1028.6	1031.5	1028.6	1028.3	1025.2	1024.3	1023.0	1019.0	1011.4	1006.9	1007.9
5°	1126.9	1136.7	1131.3	1130.4	1121.8	1113.2	1107.6	1095.1	1081.7	1072.7	1065.2
7.5°	1240.5	1246.2	1242.7	1237.2	1223.2	1215.3	1202.5	1186.0	1162.1	1143.7	1127.0
10°	1317.9	1322.5	1321.0	1310.8	1300.6	1279.7	1268.0	1244.8	1214.5	1190.5	1168.1
12.5°	1393.9	1399.0	1385.1	1385.6	1366.2	1349.8	1331.1	1302.0	1267.0	1236.1	1208.1
15°	1493.1	1486.8	1486.8	1478.9	1457.3	1434.5	1415.3	1384.6	1340.6	1303.7	1264.9
17.5°	1570.7	1573.0	1569.7	1551.2	1534.2	1510.7	1475.3	1439.6	1398.7	1349.1	1309.4
20°	1617.3	1617.3	1613.8	1601.1	1579.1	1554.0	1515.9	1477.0	1425.1	1375.2	1330.4
22.5°	1636.1	1637.4	1633.3	1622.9	1603.1	1578.5	1546.1	1506.5	1453.1	1396.9	1341.4
25°	1610.2	1617.6	1618.4	1615.7	1609.8	1594.9	1567.0	1526.5	1478.5	1417.6	1358.0
27.5°	1478.3	1487.7	1496.0	1509.5	1527.6	1537.1	1538.3	1517.7	1475.9	1417.3	1357.3
30°	1347.0	1354.7	1380.3	1413.7	1439.7	1463.2	1483.7	1489.1	1465.6	1412.9	1349.7
32.5°	1201.0	1211.7	1237.3	1273.2	1316.5	1356.3	1402.3	1425.6	1425.0	1393.4	1334.9
35°	991.7	999.6	1023.2	1060.9	1112.8	1172.0	1244.8	1301.3	1339.9	1337.1	1301.3
37.5°	799.8	808.7	832.5	863.8	914.1	987.5	1057.9	1135.9	1207.1	1247.1	1235.1
40°	695.5	695.9	719.0	751.2	798.4	862.4	939.1	1025.5	1104.9	1169.7	1182.2
42.5°	613.1	613.2	628.5	663.3	697.2	757.5	830.6	916.5	1009.4	1084.2	1117.5
45°	506.9	510.4	523.0	543.8	570.5	621.6	680.1	759.9	864.0	952.8	1008.2
47.5°	429.2	434.4	442.4	459.4	480.7	514.7	563.1	634.8	719.5	817.2	896.1
50°	389.0	389.8	400.0	409.4	427.9	455.0	497.5	557.1	635.0	728.8	816.5
52.5°	354.5	354.3	360.4	372.3	387.4	408.5	442.7	497.2	566.1	650.3	740.7
55°	302.6	304.5	309.2	318.6	330.0	345.0	372.1	412.9	467.2	539.1	621.2
57.5°	263.1	264.1	267.8	271.9	282.3	293.2	313.5	341.8	387.6	446.5	523.0
60°	237.3	237.7	238.9	244.8	253.1	263.3	277.0	300.9	339.5	393.3	453.8
62.5°	212.2	212.9	214.7	219.0	225.4	232.5	246.8	266.1	298.0	344.0	398.5
65°	176.8	177.2	180.0	181.6	186.6	192.9	203.5	216.5	238.5	277.0	318.3
67.5°	147.7	147.7	147.8	150.1	153.6	157.7	164.1	174.5	191.1	214.7	251.1
70°	128.9	128.9	129.7	130.9	132.8	136.3	139.9	147.7	160.0	179.2	207.0
72.5°	111.3	111.6	112.4	112.6	113.6	116.5	119.2	124.1	133.2	147.7	170.3
75°	81.7	82.9	84.8	86.4	88.4	88.1	90.8	93.9	96.6	105.3	118.3
77.5°	60.8	60.2	60.4	61.8	62.0	62.4	64.3	66.8	68.9	72.9	77.6
80°	46.4	46.4	47.6	48.0	47.6	48.0	49.9	51.1	51.9	53.4	57.8
82.5°	35.0	35.6	35.2	35.6	36.0	36.4	38.0	38.2	39.0	39.6	41.4
85°	19.7	20.0	20.4	19.7	19.7	19.7	20.4	20.8	21.6	21.2	22.0
87.5°	8.4	8.1	8.5	8.4	8.7	8.4	8.6	9.2	8.5	8.8	8.7
90°	7.5	7.5	7.9	7.5	7.2	7.2	6.8	6.5	6.1	6.5	5.8
92.5°	27.5	27.5	28.7	30.6	34.8	42.0	52.7	70.1	94.3	113.2	99.1
95°	87.1	91.7	98.2	109.2	126.7	161.3	209.1	264.5	299.1	290.8	219.5
97.5°	232.8	240.2	251.0	272.4	298.0	335.3	370.2	390.7	375.8	306.4	205.4
100°	327.3	330.1	340.8	362.6	393.6	420.1	437.6	430.4	378.3	287.0	186.3
102.5°	409.5	411.8	423.1	438.9	457.9	468.9	463.8	428.5	356.9	262.7	173.5
105°	502.2	504.3	509.3	512.2	511.5	496.9	461.5	399.7	318.0	234.1	162.4
107.5°	536.5	535.6	532.1	523.9	506.3	474.4	424.7	359.0	286.6	218.1	160.4
110°	537.1	533.9	527.6	512.5	487.2	448.0	396.2	334.5	270.9	212.7	161.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	520.3	515.1	506.1	488.0	459.2	419.9	371.0	316.4	262.1	210.2	162.7
115°	482.2	479.4	467.9	446.5	418.3	384.1	342.2	298.4	253.8	208.8	165.9
117.5°	443.5	441.3	429.8	411.8	387.8	358.7	325.9	289.5	250.0	208.4	169.5
120°	421.9	418.0	408.7	392.9	372.6	347.3	318.7	285.5	248.0	208.4	172.1
122.5°	404.8	400.8	392.9	379.5	362.3	340.1	314.2	282.1	245.8	208.1	174.6
125°	384.8	382.6	375.9	365.5	351.2	331.5	306.9	276.3	242.0	207.7	178.4
127.5°	373.0	370.9	365.2	356.0	341.6	323.1	298.4	269.1	236.9	206.9	181.6
130°	366.2	364.1	358.3	349.4	334.8	315.9	291.6	263.4	233.8	206.6	183.8
132.5°	358.5	356.4	350.9	340.8	326.5	307.6	283.9	257.4	231.0	206.4	185.8
135°	344.1	341.9	336.2	326.2	311.9	294.1	272.4	249.1	226.6	205.9	188.8
137.5°	326.2	323.7	318.9	309.1	295.7	279.6	261.3	241.7	223.0	205.9	190.6
140°	313.4	310.5	305.5	297.7	285.2	270.1	254.1	237.3	221.0	205.6	192.0
142.5°	299.6	297.7	293.3	286.0	274.9	261.9	248.1	233.4	219.2	205.6	193.2
145°	280.8	279.1	275.5	269.4	260.5	250.5	239.8	227.7	216.3	204.9	193.8
147.5°	264.3	263.6	260.9	255.7	249.1	241.3	232.7	223.1	213.7	203.6	194.2
150°	254.8	254.5	252.4	247.7	242.0	235.6	228.4	220.3	211.7	202.7	194.2
152.5°	246.3	245.9	244.6	240.9	236.0	230.8	224.2	217.1	209.3	201.3	193.6
155°	235.2	235.2	234.1	231.3	227.7	223.4	218.0	212.4	205.9	199.1	192.8
157.5°	225.5	225.5	224.9	222.7	220.0	216.6	212.1	207.3	202.5	196.9	191.8
160°	219.5	219.5	219.1	217.0	214.9	212.0	208.0	204.2	199.9	195.2	191.0
162.5°	213.8	214.1	213.7	211.6	210.1	207.4	204.4	201.1	197.6	193.5	190.1
165°	205.2	205.6	205.9	204.5	203.1	201.3	198.8	196.6	193.8	191.0	188.4
167.5°	198.4	198.7	198.8	197.8	197.1	196.1	194.1	192.5	190.4	188.3	186.7
170°	194.2	194.2	194.5	194.2	193.5	192.4	191.0	189.9	188.1	186.6	185.6
172.5°	189.9	190.5	190.8	190.5	190.1	189.2	188.3	187.6	186.1	184.9	184.5
175°	184.9	185.6	186.3	185.6	185.6	185.6	184.9	184.5	183.8	183.1	183.1
177.5°	182.0	182.5	183.1	182.8	183.1	182.8	182.8	182.5	182.3	182.0	182.0
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1004.8	1000.4	998.2	993.1	987.1	984.0	981.2	977.1	971.8	966.1	962.0
5°	1055.8	1046.3	1034.5	1020.4	1007.8	995.6	985.0	974.4	962.3	949.7	937.2
7.5°	1108.1	1089.5	1069.5	1046.3	1023.8	1003.3	984.4	966.3	945.9	927.6	910.9
10°	1144.6	1119.4	1091.6	1062.1	1032.6	1007.0	981.9	959.1	933.9	911.6	892.7
12.5°	1174.2	1144.6	1111.1	1074.3	1038.8	1007.9	979.1	949.4	920.8	896.5	871.3
15°	1223.1	1182.7	1137.5	1093.5	1047.5	1005.5	966.5	932.0	899.4	865.3	841.2
17.5°	1256.9	1208.8	1154.0	1101.1	1046.7	997.1	952.3	911.1	873.4	838.6	810.0
20°	1277.0	1224.0	1163.1	1102.9	1042.0	989.0	940.7	895.0	856.2	818.5	789.0
22.5°	1288.3	1229.6	1163.1	1100.0	1037.0	979.6	926.6	879.1	836.7	799.0	766.4
25°	1291.9	1229.0	1161.0	1088.7	1019.7	958.8	903.7	852.2	805.1	767.4	732.8
27.5°	1286.9	1212.8	1143.3	1069.0	997.7	933.5	875.8	821.6	774.5	734.0	698.5
30°	1279.3	1200.0	1125.3	1048.3	976.0	914.3	853.4	801.5	752.5	710.4	674.7
32.5°	1263.0	1184.3	1104.0	1025.0	951.8	888.3	830.5	778.3	730.1	687.1	649.1
35°	1230.6	1150.8	1063.6	982.7	910.8	844.8	790.5	740.2	694.3	648.3	608.2
37.5°	1187.9	1106.5	1019.7	931.1	859.1	796.8	747.0	699.8	654.9	613.0	568.6
40°	1147.7	1073.5	983.9	895.9	822.0	761.8	715.9	673.1	627.9	586.2	541.8
42.5°	1099.0	1035.7	945.2	856.9	784.0	726.0	683.2	641.4	600.3	559.9	513.5
45°	1017.6	969.8	884.8	800.0	726.5	669.1	629.9	592.9	556.7	518.3	474.6
47.5°	924.4	892.0	818.8	731.8	663.9	612.3	574.3	544.1	513.5	475.0	436.8
50°	859.7	838.9	768.2	688.8	624.0	576.4	537.6	509.2	483.7	446.8	412.5
52.5°	790.5	779.5	719.7	643.8	581.2	534.6	501.4	475.9	450.1	419.4	387.4
55°	685.3	691.2	640.5	574.8	515.9	476.7	446.4	425.2	403.1	377.2	352.4
57.5°	577.5	599.2	565.1	507.5	452.2	416.0	393.1	375.3	356.9	335.3	314.2
60°	513.1	531.2	512.0	461.3	412.9	379.2	358.0	344.2	325.7	306.1	289.9
62.5°	450.3	469.6	458.2	417.3	372.4	343.4	324.7	311.8	298.1	280.9	264.2
65°	371.3	383.8	378.4	350.1	318.3	293.5	276.2	266.8	254.2	241.7	226.7
67.5°	284.4	308.7	305.5	290.4	263.0	243.6	232.3	224.0	212.5	203.2	193.0
70°	233.8	256.2	255.8	243.6	228.6	210.6	202.8	195.7	185.4	176.4	168.1
72.5°	191.4	211.9	214.9	205.6	195.4	181.7	174.1	169.3	159.4	153.2	146.4
75°	134.0	149.0	152.9	152.9	148.1	141.1	134.4	131.3	124.1	118.7	114.7
77.5°	87.9	97.3	103.4	104.8	105.5	103.2	97.7	95.4	90.1	88.1	84.3
80°	62.1	68.4	75.4	77.8	79.8	79.0	76.6	75.0	70.0	68.0	66.4
82.5°	42.9	46.4	52.2	57.4	56.9	58.9	56.9	55.5	51.7	51.0	49.4
85°	22.4	22.8	23.5	27.1	29.1	29.9	30.3	29.5	28.3	28.3	25.5
87.5°	8.6	8.2	8.4	8.4	8.7	9.9	10.6	10.8	10.0	9.2	8.4
90°	4.9	4.9	2.8	2.8	2.5	2.1	1.1	0.4	1.1	2.1	2.5
92.5°	72.1	44.4	26.3	18.9	13.6	9.3	6.0	4.0	6.0	9.3	13.6
95°	134.2	75.6	44.6	29.6	21.1	16.5	12.8	11.8	12.8	16.5	21.1
97.5°	120.7	72.3	48.4	35.9	28.5	24.2	21.1	21.1	21.1	24.2	28.5
100°	113.5	73.2	52.1	40.7	33.9	29.6	27.2	27.2	27.2	29.6	33.9
102.5°	111.5	76.0	57.0	46.2	39.6	35.6	33.4	32.8	33.4	35.6	39.6
105°	112.4	82.8	65.6	55.3	48.9	44.6	42.8	41.8	42.8	44.6	48.9
107.5°	117.8	90.7	75.0	64.8	58.7	54.1	52.3	51.6	52.3	54.1	58.7
110°	121.7	96.7	81.0	71.4	64.9	60.7	58.9	58.2	58.9	60.7	64.9





TEST NUMBER: P332897-840

CATALOG NUMBER: SA4XXRDIP-C575D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	126.0	102.4	87.3	77.7	71.2	67.3	65.1	64.4	65.1	67.3	71.2
115°	132.8	111.4	97.0	87.5	80.7	77.1	74.6	73.5	74.6	77.1	80.7
117.5°	139.7	120.0	106.4	96.4	90.1	86.1	83.9	82.9	83.9	86.1	90.1
120°	144.5	126.0	112.4	102.4	96.3	92.4	90.0	89.3	90.0	92.4	96.3
122.5°	149.2	131.7	118.2	108.5	101.8	98.2	95.6	94.9	95.6	98.2	101.8
125°	155.9	139.6	126.7	116.7	110.0	106.0	103.8	102.4	103.8	106.0	110.0
127.5°	161.9	146.8	134.4	124.3	117.2	112.8	110.2	109.1	110.2	112.8	117.2
130°	165.6	151.7	139.6	129.2	122.4	117.0	114.2	112.8	114.2	117.0	122.4
132.5°	169.4	155.7	143.5	133.8	126.4	121.4	117.6	116.5	117.6	121.4	126.4
135°	174.2	161.3	149.6	140.3	132.8	126.7	123.1	121.7	123.1	126.7	132.8
137.5°	177.6	165.6	154.6	145.7	137.9	132.2	128.3	126.9	128.3	132.2	137.9
140°	179.9	168.4	157.7	149.2	141.7	135.6	131.7	130.7	131.7	135.6	141.7
142.5°	181.6	171.1	160.6	152.3	145.1	139.4	135.7	134.6	135.7	139.4	145.1
145°	183.5	173.8	164.5	156.7	149.9	144.9	141.4	140.3	141.4	144.9	149.9
147.5°	185.1	176.6	167.9	160.9	155.2	150.2	146.9	146.6	146.9	150.2	155.2
150°	185.9	178.1	170.3	163.5	158.1	153.8	151.0	150.6	151.0	153.8	158.1
152.5°	186.5	179.3	172.3	166.0	161.3	157.2	154.4	154.3	154.4	157.2	161.3
155°	187.0	181.0	174.9	169.6	165.6	162.1	159.9	159.6	159.9	162.1	165.6
157.5°	187.0	182.2	177.0	172.8	169.4	166.6	164.6	164.6	164.6	166.6	169.4
160°	187.0	182.8	178.4	174.5	171.7	169.2	167.7	167.7	167.7	169.2	171.7
162.5°	187.0	183.3	179.4	176.2	173.7	171.5	170.4	170.6	170.4	171.5	173.7
165°	186.3	183.5	180.3	178.1	176.3	174.5	173.8	173.8	173.8	174.5	176.3
167.5°	185.4	183.4	181.1	179.4	178.3	177.0	176.6	177.0	176.6	177.0	178.3
170°	184.9	183.1	181.3	180.3	179.6	178.4	178.1	178.4	178.1	178.4	179.6
172.5°	184.3	182.8	181.6	180.8	180.4	179.6	179.6	179.9	179.6	179.6	180.4
175°	183.5	182.4	181.7	181.7	181.3	181.0	181.0	181.3	181.0	181.0	181.3
177.5°	182.5	182.0	181.7	181.7	181.7	181.4	181.7	182.0	181.7	181.4	181.7
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



TEST NUMBER: P332897-840

CATALOG NUMBER: SA4XXRDIP-C575D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	957.7	954.5	950.4	945.6	940.0	935.0	932.8	934.6	935.6	933.1	932.8
5°	928.5	918.7	910.8	899.0	889.6	881.7	876.2	873.8	874.6	868.4	866.8
7.5°	895.6	884.0	871.2	857.2	844.1	832.6	826.6	823.2	816.6	813.7	808.9
10°	874.6	858.9	846.4	829.8	815.0	801.1	794.5	789.0	782.3	779.1	772.4
12.5°	852.9	834.8	820.9	803.8	788.5	771.9	765.6	755.4	744.9	738.3	729.7
15°	822.3	800.4	783.5	763.1	745.0	726.1	709.2	690.3	683.3	668.3	659.7
17.5°	786.6	764.3	743.4	716.0	688.1	664.7	646.6	628.6	617.7	608.2	603.8
20°	763.1	742.7	713.6	681.8	650.7	624.7	610.2	598.4	586.6	580.0	575.2
22.5°	740.7	714.7	680.9	646.5	615.5	595.2	582.9	570.8	561.2	554.8	548.6
25°	703.4	669.1	633.4	594.1	572.9	555.2	541.8	532.0	526.1	517.9	514.7
27.5°	664.9	623.5	584.0	557.6	535.5	519.4	507.8	500.4	492.9	487.6	483.5
30°	635.3	593.3	558.0	532.8	510.4	497.1	487.6	479.0	473.1	468.8	465.6
32.5°	606.1	564.1	534.3	507.4	489.7	476.7	466.6	460.1	455.4	449.9	448.0
35°	563.8	526.5	500.6	476.3	458.2	446.4	438.5	431.8	427.9	426.4	425.2
37.5°	523.2	492.6	464.7	444.7	428.7	419.4	410.1	406.9	404.1	401.3	402.6
40°	497.5	468.8	444.0	422.8	409.8	399.6	394.0	390.2	387.8	387.8	387.8
42.5°	475.1	447.1	422.9	403.9	390.9	382.3	376.2	372.8	372.1	371.7	373.7
45°	440.5	414.5	390.2	374.5	363.5	354.8	351.2	348.5	348.5	350.1	350.5
47.5°	406.2	381.8	362.2	344.7	334.6	329.2	326.1	324.7	324.9	326.4	328.2
50°	385.1	361.1	341.8	326.1	316.7	311.5	308.8	308.0	308.8	308.8	311.5
52.5°	362.1	340.6	321.7	308.5	297.8	293.1	291.5	290.4	290.9	292.2	293.4
55°	328.5	309.2	291.1	278.6	270.7	267.6	264.1	264.5	263.7	264.5	264.5
57.5°	294.8	277.5	260.6	250.6	243.8	239.2	235.4	236.4	235.3	235.1	234.5
60°	273.1	254.2	240.9	231.9	224.0	220.0	216.5	217.3	216.1	215.3	213.8
62.5°	249.5	233.8	221.1	212.4	206.0	201.5	197.9	197.1	194.4	191.8	188.2
65°	215.3	202.4	191.0	182.7	176.8	173.3	170.6	168.1	162.3	156.0	152.9
67.5°	182.1	172.7	162.1	155.1	150.4	145.7	140.5	136.4	130.9	127.4	125.5
70°	160.7	151.7	142.6	135.9	130.9	126.5	120.6	117.9	113.9	112.4	110.4
72.5°	140.3	131.9	123.4	117.4	112.0	108.6	104.0	101.2	99.5	98.9	96.8
75°	109.3	102.6	96.2	90.8	86.4	84.1	82.1	80.2	79.4	75.8	73.8
77.5°	79.7	75.2	71.4	67.5	64.3	62.8	59.0	56.8	55.4	53.7	53.3
80°	62.1	59.0	55.0	52.6	48.4	46.8	45.1	44.8	44.4	44.0	43.6
82.5°	46.7	43.5	39.6	38.2	37.1	36.1	35.1	34.7	34.3	34.5	34.5
85°	23.5	22.0	22.0	21.6	21.2	20.8	20.4	20.4	20.0	20.4	20.0
87.5°	8.4	8.1	8.6	7.9	8.4	8.5	8.1	8.2	8.6	8.1	8.1
90°	2.8	2.8	4.9	4.9	5.8	6.5	6.1	6.5	6.8	7.2	7.2
92.5°	18.9	26.3	44.4	72.1	99.1	113.2	94.3	70.1	52.7	42.0	34.8
95°	29.6	44.6	75.6	134.2	219.5	290.8	299.1	264.5	209.1	161.3	126.7
97.5°	35.9	48.4	72.3	120.7	205.4	306.4	375.8	390.7	370.2	335.3	298.0
100°	40.7	52.1	73.2	113.5	186.3	287.0	378.3	430.4	437.6	420.1	393.6
102.5°	46.2	57.0	76.0	111.5	173.5	262.7	356.9	428.5	463.8	468.9	457.9
105°	55.3	65.6	82.8	112.4	162.4	234.1	318.0	399.7	461.5	496.9	511.5
107.5°	64.8	75.0	90.7	117.8	160.4	218.1	286.6	359.0	424.7	474.4	506.3
110°	71.4	81.0	96.7	121.7	161.0	212.7	270.9	334.5	396.2	448.0	487.2



TEST NUMBER: P332897-840

CATALOG NUMBER: SA4XXRDIP-C575D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	77.7	87.3	102.4	126.0	162.7	210.2	262.1	316.4	371.0	419.9	459.2
115°	87.5	97.0	111.4	132.8	165.9	208.8	253.8	298.4	342.2	384.1	418.3
117.5°	96.4	106.4	120.0	139.7	169.5	208.4	250.0	289.5	325.9	358.7	387.8
120°	102.4	112.4	126.0	144.5	172.1	208.4	248.0	285.5	318.7	347.3	372.6
122.5°	108.5	118.2	131.7	149.2	174.6	208.1	245.8	282.1	314.2	340.1	362.3
125°	116.7	126.7	139.6	155.9	178.4	207.7	242.0	276.3	306.9	331.5	351.2
127.5°	124.3	134.4	146.8	161.9	181.6	206.9	236.9	269.1	298.4	323.1	341.6
130°	129.2	139.6	151.7	165.6	183.8	206.6	233.8	263.4	291.6	315.9	334.8
132.5°	133.8	143.5	155.7	169.4	185.8	206.4	231.0	257.4	283.9	307.6	326.5
135°	140.3	149.6	161.3	174.2	188.8	205.9	226.6	249.1	272.4	294.1	311.9
137.5°	145.7	154.6	165.6	177.6	190.6	205.9	223.0	241.7	261.3	279.6	295.7
140°	149.2	157.7	168.4	179.9	192.0	205.6	221.0	237.3	254.1	270.1	285.2
142.5°	152.3	160.6	171.1	181.6	193.2	205.6	219.2	233.4	248.1	261.9	274.9
145°	156.7	164.5	173.8	183.5	193.8	204.9	216.3	227.7	239.8	250.5	260.5
147.5°	160.9	167.9	176.6	185.1	194.2	203.6	213.7	223.1	232.7	241.3	249.1
150°	163.5	170.3	178.1	185.9	194.2	202.7	211.7	220.3	228.4	235.6	242.0
152.5°	166.0	172.3	179.3	186.5	193.6	201.3	209.3	217.1	224.2	230.8	236.0
155°	169.6	174.9	181.0	187.0	192.8	199.1	205.9	212.4	218.0	223.4	227.7
157.5°	172.8	177.0	182.2	187.0	191.8	196.9	202.5	207.3	212.1	216.6	220.0
160°	174.5	178.4	182.8	187.0	191.0	195.2	199.9	204.2	208.0	212.0	214.9
162.5°	176.2	179.4	183.3	187.0	190.1	193.5	197.6	201.1	204.4	207.4	210.1
165°	178.1	180.3	183.5	186.3	188.4	191.0	193.8	196.6	198.8	201.3	203.1
167.5°	179.4	181.1	183.4	185.4	186.7	188.3	190.4	192.5	194.1	196.1	197.1
170°	180.3	181.3	183.1	184.9	185.6	186.6	188.1	189.9	191.0	192.4	193.5
172.5°	180.8	181.6	182.8	184.3	184.5	184.9	186.1	187.6	188.3	189.2	190.1
175°	181.7	181.7	182.4	183.5	183.1	183.1	183.8	184.5	184.9	185.6	185.6
177.5°	181.7	181.7	182.0	182.5	182.0	182.0	182.3	182.5	182.8	182.8	183.1
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



TEST NUMBER: P332897-840

CATALOG NUMBER: SA4XXRDIP-C575D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	930.9	931.5	929.4	928.7	929.4	931.5	930.9	932.8	933.1	935.6	934.6
5°	863.6	862.8	860.9	861.3	860.9	862.8	863.6	866.8	868.4	874.6	873.8
7.5°	806.1	803.0	804.0	800.7	804.0	803.0	806.1	808.9	813.7	816.6	823.2
10°	770.9	766.6	763.1	759.9	763.1	766.6	770.9	772.4	779.1	782.3	789.0
12.5°	722.9	719.1	714.3	715.3	714.3	719.1	722.9	729.7	738.3	744.9	755.4
15°	654.6	648.7	639.2	640.5	639.2	648.7	654.6	659.7	668.3	683.3	690.3
17.5°	596.8	596.9	592.6	593.6	592.6	596.9	596.8	603.8	608.2	617.7	628.6
20°	566.9	564.2	564.6	563.4	564.6	564.2	566.9	575.2	580.0	586.6	598.4
22.5°	546.2	542.9	540.1	537.7	540.1	542.9	546.2	548.6	554.8	561.2	570.8
25°	511.2	508.9	505.3	504.5	505.3	508.9	511.2	514.7	517.9	526.1	532.0
27.5°	480.4	479.9	478.5	476.7	478.5	479.9	480.4	483.5	487.6	492.9	500.4
30°	462.4	461.7	460.9	459.7	460.9	461.7	462.4	465.6	468.8	473.1	479.0
32.5°	446.5	446.0	445.1	445.2	445.1	446.0	446.5	448.0	449.9	455.4	460.1
35°	423.5	423.1	422.4	422.0	422.4	423.1	423.5	425.2	426.4	427.9	431.8
37.5°	402.2	403.2	402.7	402.6	402.7	403.2	402.2	402.6	401.3	404.1	406.9
40°	387.4	387.8	388.6	388.2	388.6	387.8	387.4	387.8	387.8	387.8	390.2
42.5°	375.2	375.3	376.4	375.0	376.4	375.3	375.2	373.7	371.7	372.1	372.8
45°	353.3	355.6	355.2	355.2	355.2	355.6	353.3	350.5	350.1	348.5	348.5
47.5°	329.2	331.3	331.8	331.7	331.8	331.3	329.2	328.2	326.4	324.9	324.7
50°	313.6	312.8	314.0	313.6	314.0	312.8	313.6	311.5	308.8	308.8	308.0
52.5°	294.4	294.6	294.5	294.1	294.5	294.6	294.4	293.4	292.2	290.9	290.4
55°	264.8	265.2	264.5	264.8	264.5	265.2	264.8	264.5	264.5	263.7	264.5
57.5°	232.8	230.9	231.7	230.8	231.7	230.9	232.8	234.5	235.1	235.3	236.4
60°	209.8	206.7	205.9	204.3	205.9	206.7	209.8	213.8	215.3	216.1	217.3
62.5°	184.0	181.9	179.2	180.5	179.2	181.9	184.0	188.2	191.8	194.4	197.1
65°	149.7	148.1	146.9	148.6	146.9	148.1	149.7	152.9	156.0	162.3	168.1
67.5°	123.9	123.1	123.1	122.3	123.1	123.1	123.9	125.5	127.4	130.9	136.4
70°	110.4	109.3	109.3	108.5	109.3	109.3	110.4	110.4	112.4	113.9	117.9
72.5°	96.5	95.4	95.7	95.2	95.7	95.4	96.5	96.8	98.9	99.5	101.2
75°	71.5	69.6	69.6	70.0	69.6	69.6	71.5	73.8	75.8	79.4	80.2
77.5°	53.3	52.9	53.5	52.8	53.5	52.9	53.3	53.3	53.7	55.4	56.8
80°	43.6	43.2	42.8	44.0	42.8	43.2	43.6	43.6	44.0	44.4	44.8
82.5°	33.8	33.8	33.7	35.2	33.7	33.8	33.8	34.5	34.5	34.3	34.7
85°	20.4	19.7	20.4	19.7	20.4	19.7	20.4	20.0	20.4	20.0	20.4
87.5°	8.7	8.5	8.1	8.4	8.1	8.5	8.7	8.1	8.1	8.6	8.2
90°	7.5	7.9	7.5	7.5	7.5	7.9	7.5	7.2	7.2	6.8	6.5
92.5°	30.6	28.7	27.5	27.5	27.5	28.7	30.6	34.8	42.0	52.7	70.1
95°	109.2	98.2	91.7	87.1	91.7	98.2	109.2	126.7	161.3	209.1	264.5
97.5°	272.4	251.0	240.2	232.8	240.2	251.0	272.4	298.0	335.3	370.2	390.7
100°	362.6	340.8	330.1	327.3	330.1	340.8	362.6	393.6	420.1	437.6	430.4
102.5°	438.9	423.1	411.8	409.5	411.8	423.1	438.9	457.9	468.9	463.8	428.5
105°	512.2	509.3	504.3	502.2	504.3	509.3	512.2	511.5	496.9	461.5	399.7
107.5°	523.9	532.1	535.6	536.5	535.6	532.1	523.9	506.3	474.4	424.7	359.0
110°	512.5	527.6	533.9	537.1	533.9	527.6	512.5	487.2	448.0	396.2	334.5



TEST NUMBER: P332897-840

CATALOG NUMBER: SA4XXRDIP-C575D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	488.0	506.1	515.1	520.3	515.1	506.1	488.0	459.2	419.9	371.0	316.4
115°	446.5	467.9	479.4	482.2	479.4	467.9	446.5	418.3	384.1	342.2	298.4
117.5°	411.8	429.8	441.3	443.5	441.3	429.8	411.8	387.8	358.7	325.9	289.5
120°	392.9	408.7	418.0	421.9	418.0	408.7	392.9	372.6	347.3	318.7	285.5
122.5°	379.5	392.9	400.8	404.8	400.8	392.9	379.5	362.3	340.1	314.2	282.1
125°	365.5	375.9	382.6	384.8	382.6	375.9	365.5	351.2	331.5	306.9	276.3
127.5°	356.0	365.2	370.9	373.0	370.9	365.2	356.0	341.6	323.1	298.4	269.1
130°	349.4	358.3	364.1	366.2	364.1	358.3	349.4	334.8	315.9	291.6	263.4
132.5°	340.8	350.9	356.4	358.5	356.4	350.9	340.8	326.5	307.6	283.9	257.4
135°	326.2	336.2	341.9	344.1	341.9	336.2	326.2	311.9	294.1	272.4	249.1
137.5°	309.1	318.9	323.7	326.2	323.7	318.9	309.1	295.7	279.6	261.3	241.7
140°	297.7	305.5	310.5	313.4	310.5	305.5	297.7	285.2	270.1	254.1	237.3
142.5°	286.0	293.3	297.7	299.6	297.7	293.3	286.0	274.9	261.9	248.1	233.4
145°	269.4	275.5	279.1	280.8	279.1	275.5	269.4	260.5	250.5	239.8	227.7
147.5°	255.7	260.9	263.6	264.3	263.6	260.9	255.7	249.1	241.3	232.7	223.1
150°	247.7	252.4	254.5	254.8	254.5	252.4	247.7	242.0	235.6	228.4	220.3
152.5°	240.9	244.6	245.9	246.3	245.9	244.6	240.9	236.0	230.8	224.2	217.1
155°	231.3	234.1	235.2	235.2	235.2	234.1	231.3	227.7	223.4	218.0	212.4
157.5°	222.7	224.9	225.5	225.5	225.5	224.9	222.7	220.0	216.6	212.1	207.3
160°	217.0	219.1	219.5	219.5	219.5	219.1	217.0	214.9	212.0	208.0	204.2
162.5°	211.6	213.7	214.1	213.8	214.1	213.7	211.6	210.1	207.4	204.4	201.1
165°	204.5	205.9	205.6	205.2	205.6	205.9	204.5	203.1	201.3	198.8	196.6
167.5°	197.8	198.8	198.7	198.4	198.7	198.8	197.8	197.1	196.1	194.1	192.5
170°	194.2	194.5	194.2	194.2	194.2	194.5	194.2	193.5	192.4	191.0	189.9
172.5°	190.5	190.8	190.5	189.9	190.5	190.8	190.5	190.1	189.2	188.3	187.6
175°	185.6	186.3	185.6	184.9	185.6	186.3	185.6	185.6	185.6	184.9	184.5
177.5°	182.8	183.1	182.5	182.0	182.5	183.1	182.8	183.1	182.8	182.8	182.5
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



TEST NUMBER: P332897-840

CATALOG NUMBER: SA4XXRDIP-C575D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	932.8	935.0	940.0	945.6	950.4	954.5	957.7	962.0	966.1	971.8	977.1
5°	876.2	881.7	889.6	899.0	910.8	918.7	928.5	937.2	949.7	962.3	974.4
7.5°	826.6	832.6	844.1	857.2	871.2	884.0	895.6	910.9	927.6	945.9	966.3
10°	794.5	801.1	815.0	829.8	846.4	858.9	874.6	892.7	911.6	933.9	959.1
12.5°	765.6	771.9	788.5	803.8	820.9	834.8	852.9	871.3	896.5	920.8	949.4
15°	709.2	726.1	745.0	763.1	783.5	800.4	822.3	841.2	865.3	899.4	932.0
17.5°	646.6	664.7	688.1	716.0	743.4	764.3	786.6	810.0	838.6	873.4	911.1
20°	610.2	624.7	650.7	681.8	713.6	742.7	763.1	789.0	818.5	856.2	895.0
22.5°	582.9	595.2	615.5	646.5	680.9	714.7	740.7	766.4	799.0	836.7	879.1
25°	541.8	555.2	572.9	594.1	633.4	669.1	703.4	732.8	767.4	805.1	852.2
27.5°	507.8	519.4	535.5	557.6	584.0	623.5	664.9	698.5	734.0	774.5	821.6
30°	487.6	497.1	510.4	532.8	558.0	593.3	635.3	674.7	710.4	752.5	801.5
32.5°	466.6	476.7	489.7	507.4	534.3	564.1	606.1	649.1	687.1	730.1	778.3
35°	438.5	446.4	458.2	476.3	500.6	526.5	563.8	608.2	648.3	694.3	740.2
37.5°	410.1	419.4	428.7	444.7	464.7	492.6	523.2	568.6	613.0	654.9	699.8
40°	394.0	399.6	409.8	422.8	444.0	468.8	497.5	541.8	586.2	627.9	673.1
42.5°	376.2	382.3	390.9	403.9	422.9	447.1	475.1	513.5	559.9	600.3	641.4
45°	351.2	354.8	363.5	374.5	390.2	414.5	440.5	474.6	518.3	556.7	592.9
47.5°	326.1	329.2	334.6	344.7	362.2	381.8	406.2	436.8	475.0	513.5	544.1
50°	308.8	311.5	316.7	326.1	341.8	361.1	385.1	412.5	446.8	483.7	509.2
52.5°	291.5	293.1	297.8	308.5	321.7	340.6	362.1	387.4	419.4	450.1	475.9
55°	264.1	267.6	270.7	278.6	291.1	309.2	328.5	352.4	377.2	403.1	425.2
57.5°	235.4	239.2	243.8	250.6	260.6	277.5	294.8	314.2	335.3	356.9	375.3
60°	216.5	220.0	224.0	231.9	240.9	254.2	273.1	289.9	306.1	325.7	344.2
62.5°	197.9	201.5	206.0	212.4	221.1	233.8	249.5	264.2	280.9	298.1	311.8
65°	170.6	173.3	176.8	182.7	191.0	202.4	215.3	226.7	241.7	254.2	266.8
67.5°	140.5	145.7	150.4	155.1	162.1	172.7	182.1	193.0	203.2	212.5	224.0
70°	120.6	126.5	130.9	135.9	142.6	151.7	160.7	168.1	176.4	185.4	195.7
72.5°	104.0	108.6	112.0	117.4	123.4	131.9	140.3	146.4	153.2	159.4	169.3
75°	82.1	84.1	86.4	90.8	96.2	102.6	109.3	114.7	118.7	124.1	131.3
77.5°	59.0	62.8	64.3	67.5	71.4	75.2	79.7	84.3	88.1	90.1	95.4
80°	45.1	46.8	48.4	52.6	55.0	59.0	62.1	66.4	68.0	70.0	75.0
82.5°	35.1	36.1	37.1	38.2	39.6	43.5	46.7	49.4	51.0	51.7	55.5
85°	20.4	20.8	21.2	21.6	22.0	22.0	23.5	25.5	28.3	28.3	29.5
87.5°	8.1	8.5	8.4	7.9	8.6	8.1	8.4	8.4	9.2	10.0	10.8
90°	6.1	6.5	5.8	4.9	4.9	2.8	2.8	2.5	2.1	1.1	0.4
92.5°	94.3	113.2	99.1	72.1	44.4	26.3	18.9	13.6	9.3	6.0	4.0
95°	299.1	290.8	219.5	134.2	75.6	44.6	29.6	21.1	16.5	12.8	11.8
97.5°	375.8	306.4	205.4	120.7	72.3	48.4	35.9	28.5	24.2	21.1	21.1
100°	378.3	287.0	186.3	113.5	73.2	52.1	40.7	33.9	29.6	27.2	27.2
102.5°	356.9	262.7	173.5	111.5	76.0	57.0	46.2	39.6	35.6	33.4	32.8
105°	318.0	234.1	162.4	112.4	82.8	65.6	55.3	48.9	44.6	42.8	41.8
107.5°	286.6	218.1	160.4	117.8	90.7	75.0	64.8	58.7	54.1	52.3	51.6
110°	270.9	212.7	161.0	121.7	96.7	81.0	71.4	64.9	60.7	58.9	58.2



TEST NUMBER: P332897-840

CATALOG NUMBER: SA4XXRDIP-C575D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	262.1	210.2	162.7	126.0	102.4	87.3	77.7	71.2	67.3	65.1	64.4
115°	253.8	208.8	165.9	132.8	111.4	97.0	87.5	80.7	77.1	74.6	73.5
117.5°	250.0	208.4	169.5	139.7	120.0	106.4	96.4	90.1	86.1	83.9	82.9
120°	248.0	208.4	172.1	144.5	126.0	112.4	102.4	96.3	92.4	90.0	89.3
122.5°	245.8	208.1	174.6	149.2	131.7	118.2	108.5	101.8	98.2	95.6	94.9
125°	242.0	207.7	178.4	155.9	139.6	126.7	116.7	110.0	106.0	103.8	102.4
127.5°	236.9	206.9	181.6	161.9	146.8	134.4	124.3	117.2	112.8	110.2	109.1
130°	233.8	206.6	183.8	165.6	151.7	139.6	129.2	122.4	117.0	114.2	112.8
132.5°	231.0	206.4	185.8	169.4	155.7	143.5	133.8	126.4	121.4	117.6	116.5
135°	226.6	205.9	188.8	174.2	161.3	149.6	140.3	132.8	126.7	123.1	121.7
137.5°	223.0	205.9	190.6	177.6	165.6	154.6	145.7	137.9	132.2	128.3	126.9
140°	221.0	205.6	192.0	179.9	168.4	157.7	149.2	141.7	135.6	131.7	130.7
142.5°	219.2	205.6	193.2	181.6	171.1	160.6	152.3	145.1	139.4	135.7	134.6
145°	216.3	204.9	193.8	183.5	173.8	164.5	156.7	149.9	144.9	141.4	140.3
147.5°	213.7	203.6	194.2	185.1	176.6	167.9	160.9	155.2	150.2	146.9	146.6
150°	211.7	202.7	194.2	185.9	178.1	170.3	163.5	158.1	153.8	151.0	150.6
152.5°	209.3	201.3	193.6	186.5	179.3	172.3	166.0	161.3	157.2	154.4	154.3
155°	205.9	199.1	192.8	187.0	181.0	174.9	169.6	165.6	162.1	159.9	159.6
157.5°	202.5	196.9	191.8	187.0	182.2	177.0	172.8	169.4	166.6	164.6	164.6
160°	199.9	195.2	191.0	187.0	182.8	178.4	174.5	171.7	169.2	167.7	167.7
162.5°	197.6	193.5	190.1	187.0	183.3	179.4	176.2	173.7	171.5	170.4	170.6
165°	193.8	191.0	188.4	186.3	183.5	180.3	178.1	176.3	174.5	173.8	173.8
167.5°	190.4	188.3	186.7	185.4	183.4	181.1	179.4	178.3	177.0	176.6	177.0
170°	188.1	186.6	185.6	184.9	183.1	181.3	180.3	179.6	178.4	178.1	178.4
172.5°	186.1	184.9	184.5	184.3	182.8	181.6	180.8	180.4	179.6	179.6	179.9
175°	183.8	183.1	183.1	183.5	182.4	181.7	181.7	181.3	181.0	181.0	181.3
177.5°	182.3	182.0	182.0	182.5	182.0	181.7	181.7	181.7	181.4	181.7	182.0
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



TEST NUMBER: P332897-840

CATALOG NUMBER: SA4XXRDIP-C575D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	981.2	984.0	987.1	993.1	998.2	1000.4	1004.8	1007.9	1006.9	1011.4	1019.0
5°	985.0	995.6	1007.8	1020.4	1034.5	1046.3	1055.8	1065.2	1072.7	1081.7	1095.1
7.5°	984.4	1003.3	1023.8	1046.3	1069.5	1089.5	1108.1	1127.0	1143.7	1162.1	1186.0
10°	981.9	1007.0	1032.6	1062.1	1091.6	1119.4	1144.6	1168.1	1190.5	1214.5	1244.8
12.5°	979.1	1007.9	1038.8	1074.3	1111.1	1144.6	1174.2	1208.1	1236.1	1267.0	1302.0
15°	966.5	1005.5	1047.5	1093.5	1137.5	1182.7	1223.1	1264.9	1303.7	1340.6	1384.6
17.5°	952.3	997.1	1046.7	1101.1	1154.0	1208.8	1256.9	1309.4	1349.1	1398.7	1439.6
20°	940.7	989.0	1042.0	1102.9	1163.1	1224.0	1277.0	1330.4	1375.2	1425.1	1477.0
22.5°	926.6	979.6	1037.0	1100.0	1163.1	1229.6	1288.3	1341.4	1396.9	1453.1	1506.5
25°	903.7	958.8	1019.7	1088.7	1161.0	1229.0	1291.9	1358.0	1417.6	1478.5	1526.5
27.5°	875.8	933.5	997.7	1069.0	1143.3	1212.8	1286.9	1357.3	1417.3	1475.9	1517.7
30°	853.4	914.3	976.0	1048.3	1125.3	1200.0	1279.3	1349.7	1412.9	1465.6	1489.1
32.5°	830.5	888.3	951.8	1025.0	1104.0	1184.3	1263.0	1334.9	1393.4	1425.0	1425.6
35°	790.5	844.8	910.8	982.7	1063.6	1150.8	1230.6	1301.3	1337.1	1339.9	1301.3
37.5°	747.0	796.8	859.1	931.1	1019.7	1106.5	1187.9	1235.1	1247.1	1207.1	1135.9
40°	715.9	761.8	822.0	895.9	983.9	1073.5	1147.7	1182.2	1169.7	1104.9	1025.5
42.5°	683.2	726.0	784.0	856.9	945.2	1035.7	1099.0	1117.5	1084.2	1009.4	916.5
45°	629.9	669.1	726.5	800.0	884.8	969.8	1017.6	1008.2	952.8	864.0	759.9
47.5°	574.3	612.3	663.9	731.8	818.8	892.0	924.4	896.1	817.2	719.5	634.8
50°	537.6	576.4	624.0	688.8	768.2	838.9	859.7	816.5	728.8	635.0	557.1
52.5°	501.4	534.6	581.2	643.8	719.7	779.5	790.5	740.7	650.3	566.1	497.2
55°	446.4	476.7	515.9	574.8	640.5	691.2	685.3	621.2	539.1	467.2	412.9
57.5°	393.1	416.0	452.2	507.5	565.1	599.2	577.5	523.0	446.5	387.6	341.8
60°	358.0	379.2	412.9	461.3	512.0	531.2	513.1	453.8	393.3	339.5	300.9
62.5°	324.7	343.4	372.4	417.3	458.2	469.6	450.3	398.5	344.0	298.0	266.1
65°	276.2	293.5	318.3	350.1	378.4	383.8	371.3	318.3	277.0	238.5	216.5
67.5°	232.3	243.6	263.0	290.4	305.5	308.7	284.4	251.1	214.7	191.1	174.5
70°	202.8	210.6	228.6	243.6	255.8	256.2	233.8	207.0	179.2	160.0	147.7
72.5°	174.1	181.7	195.4	205.6	214.9	211.9	191.4	170.3	147.7	133.2	124.1
75°	134.4	141.1	148.1	152.9	152.9	149.0	134.0	118.3	105.3	96.6	93.9
77.5°	97.7	103.2	105.5	104.8	103.4	97.3	87.9	77.6	72.9	68.9	66.8
80°	76.6	79.0	79.8	77.8	75.4	68.4	62.1	57.8	53.4	51.9	51.1
82.5°	56.9	58.9	56.9	57.4	52.2	46.4	42.9	41.4	39.6	39.0	38.2
85°	30.3	29.9	29.1	27.1	23.5	22.8	22.4	22.0	21.2	21.6	20.8
87.5°	10.6	9.9	8.7	8.4	8.4	8.2	8.6	8.7	8.8	8.5	9.2
90°	1.1	2.1	2.5	2.8	2.8	4.9	4.9	5.8	6.5	6.1	6.5
92.5°	6.0	9.3	13.6	18.9	26.3	44.4	72.1	99.1	113.2	94.3	70.1
95°	12.8	16.5	21.1	29.6	44.6	75.6	134.2	219.5	290.8	299.1	264.5
97.5°	21.1	24.2	28.5	35.9	48.4	72.3	120.7	205.4	306.4	375.8	390.7
100°	27.2	29.6	33.9	40.7	52.1	73.2	113.5	186.3	287.0	378.3	430.4
102.5°	33.4	35.6	39.6	46.2	57.0	76.0	111.5	173.5	262.7	356.9	428.5
105°	42.8	44.6	48.9	55.3	65.6	82.8	112.4	162.4	234.1	318.0	399.7
107.5°	52.3	54.1	58.7	64.8	75.0	90.7	117.8	160.4	218.1	286.6	359.0
110°	58.9	60.7	64.9	71.4	81.0	96.7	121.7	161.0	212.7	270.9	334.5





TEST NUMBER: P332897-840

CATALOG NUMBER: SA4XXRDIP-C575D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	65.1	67.3	71.2	77.7	87.3	102.4	126.0	162.7	210.2	262.1	316.4
115°	74.6	77.1	80.7	87.5	97.0	111.4	132.8	165.9	208.8	253.8	298.4
117.5°	83.9	86.1	90.1	96.4	106.4	120.0	139.7	169.5	208.4	250.0	289.5
120°	90.0	92.4	96.3	102.4	112.4	126.0	144.5	172.1	208.4	248.0	285.5
122.5°	95.6	98.2	101.8	108.5	118.2	131.7	149.2	174.6	208.1	245.8	282.1
125°	103.8	106.0	110.0	116.7	126.7	139.6	155.9	178.4	207.7	242.0	276.3
127.5°	110.2	112.8	117.2	124.3	134.4	146.8	161.9	181.6	206.9	236.9	269.1
130°	114.2	117.0	122.4	129.2	139.6	151.7	165.6	183.8	206.6	233.8	263.4
132.5°	117.6	121.4	126.4	133.8	143.5	155.7	169.4	185.8	206.4	231.0	257.4
135°	123.1	126.7	132.8	140.3	149.6	161.3	174.2	188.8	205.9	226.6	249.1
137.5°	128.3	132.2	137.9	145.7	154.6	165.6	177.6	190.6	205.9	223.0	241.7
140°	131.7	135.6	141.7	149.2	157.7	168.4	179.9	192.0	205.6	221.0	237.3
142.5°	135.7	139.4	145.1	152.3	160.6	171.1	181.6	193.2	205.6	219.2	233.4
145°	141.4	144.9	149.9	156.7	164.5	173.8	183.5	193.8	204.9	216.3	227.7
147.5°	146.9	150.2	155.2	160.9	167.9	176.6	185.1	194.2	203.6	213.7	223.1
150°	151.0	153.8	158.1	163.5	170.3	178.1	185.9	194.2	202.7	211.7	220.3
152.5°	154.4	157.2	161.3	166.0	172.3	179.3	186.5	193.6	201.3	209.3	217.1
155°	159.9	162.1	165.6	169.6	174.9	181.0	187.0	192.8	199.1	205.9	212.4
157.5°	164.6	166.6	169.4	172.8	177.0	182.2	187.0	191.8	196.9	202.5	207.3
160°	167.7	169.2	171.7	174.5	178.4	182.8	187.0	191.0	195.2	199.9	204.2
162.5°	170.4	171.5	173.7	176.2	179.4	183.3	187.0	190.1	193.5	197.6	201.1
165°	173.8	174.5	176.3	178.1	180.3	183.5	186.3	188.4	191.0	193.8	196.6
167.5°	176.6	177.0	178.3	179.4	181.1	183.4	185.4	186.7	188.3	190.4	192.5
170°	178.1	178.4	179.6	180.3	181.3	183.1	184.9	185.6	186.6	188.1	189.9
172.5°	179.6	179.6	180.4	180.8	181.6	182.8	184.3	184.5	184.9	186.1	187.6
175°	181.0	181.0	181.3	181.7	181.7	182.4	183.5	183.1	183.1	183.8	184.5
177.5°	181.7	181.4	181.7	181.7	181.7	182.0	182.5	182.0	182.0	182.3	182.5
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1023.0	1024.3	1025.2	1028.3	1028.6	1031.5	1028.6
5°	1107.6	1113.2	1121.8	1130.4	1131.3	1136.7	1126.9
7.5°	1202.5	1215.3	1223.2	1237.2	1242.7	1246.2	1240.5
10°	1268.0	1279.7	1300.6	1310.8	1321.0	1322.5	1317.9
12.5°	1331.1	1349.8	1366.2	1385.6	1385.1	1399.0	1393.9
15°	1415.3	1434.5	1457.3	1478.9	1486.8	1486.8	1493.1
17.5°	1475.3	1510.7	1534.2	1551.2	1569.7	1573.0	1570.7
20°	1515.9	1554.0	1579.1	1601.1	1613.8	1617.3	1617.3
22.5°	1546.1	1578.5	1603.1	1622.9	1633.3	1637.4	1636.1
25°	1567.0	1594.9	1609.8	1615.7	1618.4	1617.6	1610.2
27.5°	1538.3	1537.1	1527.6	1509.5	1496.0	1487.7	1478.3
30°	1483.7	1463.2	1439.7	1413.7	1380.3	1354.7	1347.0
32.5°	1402.3	1356.3	1316.5	1273.2	1237.3	1211.7	1201.0
35°	1244.8	1172.0	1112.8	1060.9	1023.2	999.6	991.7
37.5°	1057.9	987.5	914.1	863.8	832.5	808.7	799.8
40°	939.1	862.4	798.4	751.2	719.0	695.9	695.5
42.5°	830.6	757.5	697.2	663.3	628.5	613.2	613.1
45°	680.1	621.6	570.5	543.8	523.0	510.4	506.9
47.5°	563.1	514.7	480.7	459.4	442.4	434.4	429.2
50°	497.5	455.0	427.9	409.4	400.0	389.8	389.0
52.5°	442.7	408.5	387.4	372.3	360.4	354.3	354.5
55°	372.1	345.0	330.0	318.6	309.2	304.5	302.6
57.5°	313.5	293.2	282.3	271.9	267.8	264.1	263.1
60°	277.0	263.3	253.1	244.8	238.9	237.7	237.3
62.5°	246.8	232.5	225.4	219.0	214.7	212.9	212.2
65°	203.5	192.9	186.6	181.6	180.0	177.2	176.8
67.5°	164.1	157.7	153.6	150.1	147.8	147.7	147.7
70°	139.9	136.3	132.8	130.9	129.7	128.9	128.9
72.5°	119.2	116.5	113.6	112.6	112.4	111.6	111.3
75°	90.8	88.1	88.4	86.4	84.8	82.9	81.7
77.5°	64.3	62.4	62.0	61.8	60.4	60.2	60.8
80°	49.9	48.0	47.6	48.0	47.6	46.4	46.4
82.5°	38.0	36.4	36.0	35.6	35.2	35.6	35.0
85°	20.4	19.7	19.7	19.7	20.4	20.0	19.7
87.5°	8.6	8.4	8.7	8.4	8.5	8.1	8.4
90°	6.8	7.2	7.2	7.5	7.9	7.5	7.5
92.5°	52.7	42.0	34.8	30.6	28.7	27.5	27.5
95°	209.1	161.3	126.7	109.2	98.2	91.7	87.1
97.5°	370.2	335.3	298.0	272.4	251.0	240.2	232.8
100°	437.6	420.1	393.6	362.6	340.8	330.1	327.3
102.5°	463.8	468.9	457.9	438.9	423.1	411.8	409.5
105°	461.5	496.9	511.5	512.2	509.3	504.3	502.2
107.5°	424.7	474.4	506.3	523.9	532.1	535.6	536.5
110°	396.2	448.0	487.2	512.5	527.6	533.9	537.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	371.0	419.9	459.2	488.0	506.1	515.1	520.3
115°	342.2	384.1	418.3	446.5	467.9	479.4	482.2
117.5°	325.9	358.7	387.8	411.8	429.8	441.3	443.5
120°	318.7	347.3	372.6	392.9	408.7	418.0	421.9
122.5°	314.2	340.1	362.3	379.5	392.9	400.8	404.8
125°	306.9	331.5	351.2	365.5	375.9	382.6	384.8
127.5°	298.4	323.1	341.6	356.0	365.2	370.9	373.0
130°	291.6	315.9	334.8	349.4	358.3	364.1	366.2
132.5°	283.9	307.6	326.5	340.8	350.9	356.4	358.5
135°	272.4	294.1	311.9	326.2	336.2	341.9	344.1
137.5°	261.3	279.6	295.7	309.1	318.9	323.7	326.2
140°	254.1	270.1	285.2	297.7	305.5	310.5	313.4
142.5°	248.1	261.9	274.9	286.0	293.3	297.7	299.6
145°	239.8	250.5	260.5	269.4	275.5	279.1	280.8
147.5°	232.7	241.3	249.1	255.7	260.9	263.6	264.3
150°	228.4	235.6	242.0	247.7	252.4	254.5	254.8
152.5°	224.2	230.8	236.0	240.9	244.6	245.9	246.3
155°	218.0	223.4	227.7	231.3	234.1	235.2	235.2
157.5°	212.1	216.6	220.0	222.7	224.9	225.5	225.5
160°	208.0	212.0	214.9	217.0	219.1	219.5	219.5
162.5°	204.4	207.4	210.1	211.6	213.7	214.1	213.8
165°	198.8	201.3	203.1	204.5	205.9	205.6	205.2
167.5°	194.1	196.1	197.1	197.8	198.8	198.7	198.4
170°	191.0	192.4	193.5	194.2	194.5	194.2	194.2
172.5°	188.3	189.2	190.1	190.5	190.8	190.5	189.9
175°	184.9	185.6	185.6	185.6	186.3	185.6	184.9
177.5°	182.8	182.8	183.1	182.8	183.1	182.5	182.0
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7

(END OF REPORT)