

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: P331403-927

Luminaire Tested: **SA2XXDIP-C865D925U927-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331403-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C865D925U927-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5640.7 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

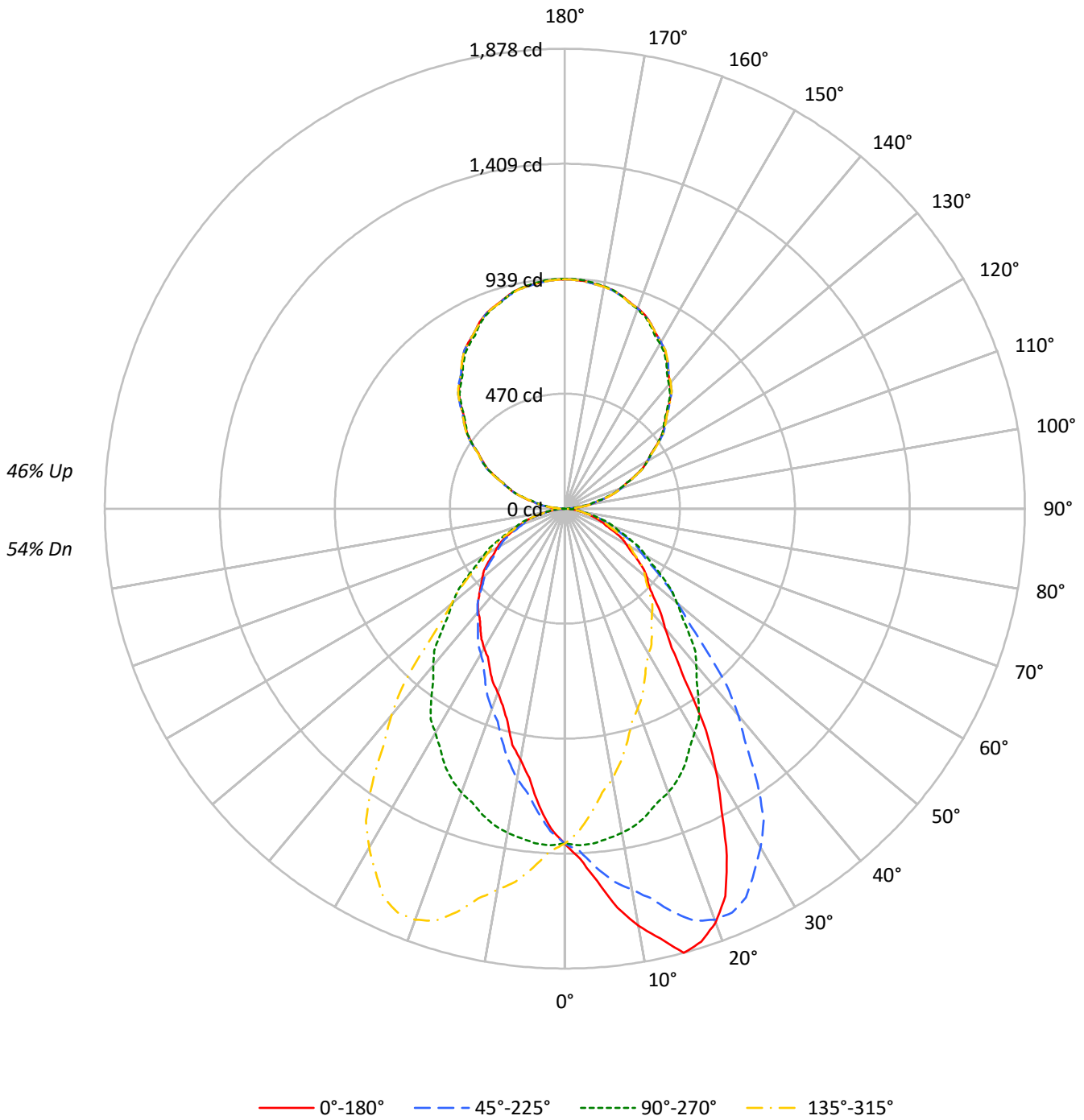
Input Watts (W): 60.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



46% Up

54% Dn



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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	0
RCR																		
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54
1	99	95	91	88	92	88	85	82	76	73	71	64	62	61	53	52	51	46
2	91	83	78	73	84	78	73	68	67	63	60	57	54	52	48	46	44	39
3	83	74	67	61	77	69	63	58	59	55	51	51	47	44	43	40	38	34
4	76	66	58	52	70	61	55	49	53	48	44	45	42	38	38	36	33	30
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26
6	65	53	45	39	60	50	43	37	43	38	34	37	33	30	32	29	26	23
7	60	48	40	35	56	45	38	33	39	34	30	34	30	27	29	26	23	21
8	56	44	36	31	52	41	34	30	36	31	27	31	27	24	27	24	21	19
9	52	40	33	28	48	38	31	27	33	28	24	29	25	22	25	22	19	17
10	49	37	30	25	45	35	28	24	31	25	22	27	23	20	23	20	18	16

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

	0°	90°	180°	270°
0°	22083	22083	22083	22083
5°	24759	22227	19697	22227
10°	28370	22046	17046	22046
15°	31385	21641	15059	21641
20°	30907	21206	13728	21206
25°	27868	20630	12886	20630
30°	23029	19708	12269	19708
35°	16783	18743	11832	18743
40°	13405	17606	11590	17606
45°	11714	16287	11259	16287
50°	11012	15013	11037	15013
55°	10151	13717	10742	13717
60°	9300	12339	10285	12339
65°	8474	11106	9838	11106
70°	7695	9904	9182	9904
75°	6818	8559	8135	8559
80°	5867	7085	6546	7085
85°	5261	5261	3890	5261



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.3	2.3
10°-20°	378.7	6.7
20°-30°	549.6	9.7
30°-40°	579.9	10.3
40°-50°	513.5	9.1
50°-60°	409.8	7.3
60°-70°	278.5	4.9
70°-80°	142.8	2.5
80°-90°	38.2	0.7
90°-100°	59.4	1.1
100°-110°	184.4	3.3
110°-120°	315.1	5.6
120°-130°	414.4	7.3
130°-140°	465.2	8.2
140°-150°	456.1	8.1
150°-160°	382.5	6.8
160°-170°	253.7	4.5
170°-180°	88.7	1.6
0°-30°	1058.5	18.8
0°-40°	1638.5	29.0
0°-60°	2561.8	45.4
0°-90°	3021.2	53.6
90°-120°	558.9	9.9
90°-150°	1894.5	33.6
90°-180°	2620.0	46.4
0°-180°	5640.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1368	1368	1368	1368	1368	
5°	1528	1371	1215	1371	1528	153
15°	1878	1295	901	1295	1878	518
25°	1564	1158	723	1158	1564	707
35°	852	951	600	951	852	554
45°	513	713	493	713	513	403
55°	361	487	382	487	361	323
65°	222	291	258	291	222	221
75°	109	137	130	137	109	117
85°	28	28	21	28	28	32
90°	27	1	27	1	27	13
95°	49	41	49	41	49	55
105°	176	170	176	170	176	185
115°	316	316	316	316	316	312
125°	462	460	462	460	462	412
135°	602	595	602	595	602	464
145°	730	722	730	722	730	456
155°	832	826	832	826	832	383
165°	900	899	900	899	900	254
175°	932	935	932	935	932	89
180°	937	937	937	937	937	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1430.8	1431.2	1432.1	1425.4	1424.5	1424.5	1418.6	1413.6	1407.7	1399.7	1400.6
5°	1527.6	1533.3	1535.4	1529.1	1519.6	1518.6	1509.7	1494.9	1481.3	1470.2	1462.4
7.5°	1643.0	1645.3	1640.1	1631.8	1624.8	1612.2	1595.5	1579.3	1556.5	1535.6	1520.0
10°	1730.4	1733.6	1724.7	1712.5	1702.6	1687.8	1663.7	1638.9	1609.0	1580.1	1557.0
12.5°	1796.9	1804.7	1793.2	1791.6	1774.5	1754.3	1725.5	1713.0	1670.9	1630.5	1605.8
15°	1877.6	1877.1	1878.2	1868.1	1855.5	1852.4	1821.9	1788.8	1729.4	1705.7	1664.8
17.5°	1854.3	1862.3	1866.0	1865.8	1865.5	1863.5	1853.8	1832.9	1803.1	1764.7	1717.4
20°	1798.8	1809.3	1810.8	1823.0	1829.8	1838.7	1842.4	1836.6	1818.2	1786.1	1745.2
22.5°	1713.0	1715.9	1720.9	1739.7	1754.5	1776.9	1788.6	1808.0	1800.9	1785.3	1751.0
25°	1564.3	1559.1	1577.5	1586.9	1621.1	1656.8	1682.6	1711.0	1736.2	1751.4	1741.5
27.5°	1385.8	1377.9	1405.5	1430.6	1458.3	1497.1	1537.2	1584.6	1624.1	1673.3	1690.3
30°	1235.2	1240.0	1266.3	1293.1	1335.1	1389.8	1435.0	1487.1	1543.3	1598.5	1636.9
32.5°	1072.9	1091.2	1107.8	1148.8	1185.9	1246.8	1313.0	1378.2	1448.3	1511.0	1570.4
35°	851.5	872.6	895.7	925.7	977.7	1038.2	1102.8	1190.6	1286.3	1372.0	1442.4
37.5°	716.8	713.4	726.7	748.3	790.4	839.2	913.7	1000.4	1113.0	1213.7	1313.0
40°	636.0	633.9	643.4	663.4	695.5	731.2	796.4	872.6	977.2	1100.2	1218.5
42.5°	580.5	581.8	587.0	601.1	623.1	652.5	701.3	766.2	862.0	977.8	1104.9
45°	513.0	516.7	522.5	529.3	541.9	566.1	593.4	639.7	715.4	812.1	937.2
47.5°	464.5	464.5	470.5	476.4	483.9	497.6	519.8	548.9	602.3	681.0	788.6
50°	438.4	434.7	438.9	443.6	451.5	461.0	475.7	503.0	538.8	602.4	692.3
52.5°	406.5	406.5	410.4	412.1	419.1	428.6	442.0	461.0	493.4	543.1	617.0
55°	360.6	363.2	365.4	368.4	374.8	381.6	392.1	404.7	430.0	467.3	522.0
57.5°	317.5	318.3	320.4	326.5	330.4	336.8	346.7	358.1	374.5	402.2	443.3
60°	288.0	288.0	292.2	294.9	300.2	306.4	314.3	325.3	340.1	362.7	395.9
62.5°	261.2	260.7	262.4	266.7	270.7	276.6	284.5	293.8	307.7	327.8	355.1
65°	221.8	220.8	223.9	225.0	229.2	235.0	241.3	251.3	262.3	277.0	301.2
67.5°	183.9	185.2	187.0	188.9	191.2	197.3	201.5	208.6	217.9	230.1	246.5
70°	163.0	163.0	163.0	164.5	167.7	170.9	175.1	180.9	189.7	200.3	215.0
72.5°	139.4	141.1	142.8	141.8	145.8	147.7	152.7	156.0	164.5	171.3	184.3
75°	109.3	109.3	109.3	111.9	113.5	115.1	118.3	121.4	125.6	134.0	140.9
77.5°	81.6	81.4	81.9	82.5	84.2	86.1	87.1	89.9	93.8	97.7	103.5
80°	63.1	64.2	64.6	65.7	65.7	66.8	67.3	71.0	73.6	76.2	79.9
82.5°	48.8	49.0	49.1	49.3	49.7	50.4	51.7	52.9	53.8	56.0	58.9
85°	28.4	27.9	27.9	28.9	28.4	28.4	29.5	30.5	30.5	31.0	32.6
87.5°	16.3	16.2	16.6	16.2	16.2	16.6	16.7	16.3	16.8	17.3	17.0
90°	26.9	26.7	26.5	26.4	26.1	26.3	26.6	26.9	27.3	27.6	23.8
92.5°	25.6	25.6	25.5	25.5	25.5	25.4	25.3	25.3	25.2	25.1	24.2
95°	49.0	49.4	49.7	50.1	50.4	50.6	50.6	50.6	50.6	50.6	50.2
97.5°	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	84.4
100°	108.3	108.4	108.7	108.8	109.0	109.1	109.1	109.1	109.1	109.1	108.6
102.5°	134.9	135.1	135.2	135.4	135.5	135.6	135.5	135.3	135.1	135.1	134.4
105°	175.5	175.5	175.5	175.5	175.5	175.3	175.0	174.6	174.3	173.9	173.6
107.5°	213.7	214.6	215.4	216.2	217.0	217.3	217.2	217.1	216.9	216.7	216.7
110°	243.5	244.0	244.5	245.1	245.6	245.9	245.9	245.9	245.9	245.9	245.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	272.0	272.4	272.7	273.1	273.5	273.9	274.3	274.7	275.2	275.6	275.8
115°	316.2	316.7	317.3	317.8	318.3	318.7	318.9	319.0	319.2	319.4	319.7
117.5°	358.5	358.9	359.5	360.0	360.5	361.0	361.5	361.9	362.3	362.7	363.7
120°	388.2	388.7	389.2	389.8	390.3	390.5	390.5	390.5	390.5	390.5	392.0
122.5°	417.2	417.6	418.0	418.4	418.8	419.2	419.6	420.0	420.5	420.9	421.9
125°	461.7	461.8	462.0	462.2	462.4	462.7	463.3	463.8	464.3	464.9	465.4
127.5°	502.2	502.7	503.3	503.8	504.4	505.0	505.6	506.3	506.9	507.6	508.2
130°	531.2	532.0	532.7	533.4	534.1	534.6	535.0	535.3	535.7	536.0	536.4
132.5°	559.1	559.7	560.2	560.8	561.3	562.0	562.8	563.6	564.4	565.1	565.0
135°	602.4	602.9	603.5	604.0	604.5	604.8	605.1	605.2	605.4	605.5	605.2
137.5°	641.6	642.3	643.0	643.7	644.4	644.8	645.0	645.2	645.3	645.4	645.0
140°	668.8	669.6	670.2	670.9	671.6	672.0	672.0	672.0	672.0	672.0	671.1
142.5°	693.5	694.2	694.9	695.6	696.3	696.6	696.4	696.3	696.2	696.0	695.4
145°	730.5	731.2	731.9	732.6	733.3	733.6	733.4	733.2	733.0	732.8	731.8
147.5°	763.5	764.2	764.9	765.6	766.2	766.4	766.0	765.6	765.2	764.8	764.1
150°	785.1	785.5	786.1	786.6	787.1	787.1	786.6	786.1	785.5	785.1	784.3
152.5°	805.3	806.0	806.6	807.2	807.9	807.9	807.2	806.6	806.0	805.3	804.4
155°	832.4	833.0	833.5	834.0	834.6	834.4	833.5	832.7	831.8	830.8	830.4
157.5°	855.9	856.7	857.5	858.4	859.2	859.0	857.9	856.7	855.5	854.3	854.0
160°	870.4	871.1	871.8	872.5	873.2	873.1	872.0	870.9	869.9	868.8	868.6
162.5°	883.0	883.9	884.7	885.6	886.5	886.2	885.0	883.8	882.6	881.5	881.3
165°	899.7	900.6	901.4	902.3	903.2	903.0	901.7	900.6	899.3	898.1	898.1
167.5°	913.2	914.2	915.0	916.0	916.9	916.7	915.5	914.3	913.1	911.8	911.9
170°	920.2	921.2	922.3	923.4	924.4	924.3	923.1	921.9	920.7	919.4	919.6
172.5°	925.9	926.9	928.0	929.1	930.1	930.0	928.8	927.6	926.4	925.1	925.3
175°	932.1	933.1	934.1	935.3	936.3	936.2	934.9	933.7	932.5	931.3	931.6
177.5°	934.9	935.7	936.6	937.5	938.3	938.3	937.5	936.6	935.7	934.9	935.2
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1403.5	1400.1	1398.0	1390.4	1383.7	1377.0	1374.9	1375.7	1366.5	1357.6	1353.8
5°	1458.2	1447.6	1437.7	1423.5	1406.7	1388.2	1378.8	1371.4	1353.0	1333.1	1321.5
7.5°	1507.1	1492.1	1472.9	1446.2	1421.7	1392.7	1374.4	1358.0	1331.2	1303.0	1285.7
10°	1537.0	1516.5	1491.8	1459.2	1429.3	1394.0	1369.3	1344.7	1313.0	1279.5	1258.4
12.5°	1562.7	1535.0	1510.7	1468.9	1433.5	1389.4	1360.1	1325.2	1292.0	1252.1	1231.5
15°	1623.7	1572.7	1526.5	1479.2	1435.5	1374.0	1341.5	1294.7	1251.0	1201.7	1178.0
17.5°	1671.0	1613.7	1540.8	1480.7	1429.7	1361.7	1313.8	1257.7	1206.2	1149.7	1117.5
20°	1697.9	1632.1	1553.8	1482.3	1421.3	1343.5	1291.5	1234.2	1173.8	1110.2	1075.5
22.5°	1713.8	1644.7	1567.3	1476.0	1404.5	1328.8	1263.4	1200.6	1139.3	1070.6	1034.3
25°	1718.9	1655.8	1573.8	1470.8	1383.5	1297.8	1219.0	1158.0	1083.9	1019.8	966.7
27.5°	1693.8	1648.6	1569.8	1460.9	1359.2	1259.0	1171.2	1102.1	1023.9	954.3	900.9
30°	1663.2	1636.9	1560.1	1450.8	1339.9	1232.2	1135.4	1057.1	979.3	908.9	854.2
32.5°	1615.7	1610.0	1542.5	1436.5	1319.3	1198.1	1098.0	1018.8	932.6	863.4	811.3
35°	1522.3	1547.5	1504.9	1404.5	1280.5	1149.6	1041.3	950.9	861.6	795.3	746.4
37.5°	1397.2	1459.8	1448.7	1357.7	1228.1	1096.9	977.3	882.8	797.6	730.8	682.8
40°	1311.0	1390.8	1402.4	1322.0	1191.1	1056.1	929.4	835.3	752.2	691.3	642.9
42.5°	1218.5	1311.8	1343.5	1279.1	1150.7	1013.1	886.5	789.0	706.8	647.5	604.6
45°	1063.4	1186.9	1244.2	1207.4	1083.4	942.5	812.1	713.3	638.7	583.0	549.9
47.5°	918.4	1053.4	1130.4	1117.5	1008.4	868.9	740.0	645.2	572.5	528.1	498.4
50°	815.8	954.6	1047.6	1051.9	954.6	816.3	687.1	597.7	530.9	489.4	465.2
52.5°	726.7	859.1	960.6	982.9	894.5	761.7	639.5	550.6	491.8	453.6	432.0
55°	610.3	722.2	834.7	875.8	804.8	678.6	565.6	487.3	432.1	405.8	386.9
57.5°	507.4	600.7	704.6	749.9	706.2	598.2	492.2	424.2	379.4	356.4	341.9
60°	453.1	526.7	619.2	673.4	635.5	539.3	446.8	382.1	345.4	324.9	311.2
62.5°	402.7	467.9	546.1	595.6	575.0	484.3	401.4	344.3	312.5	293.3	283.4
65°	332.2	383.7	444.2	489.9	476.3	407.3	339.6	290.7	265.5	250.2	242.3
67.5°	273.5	310.8	352.7	392.8	381.8	333.0	278.5	240.4	221.7	208.5	203.7
70°	236.5	264.9	302.2	334.3	325.3	285.4	242.3	209.8	193.5	182.4	177.7
72.5°	201.2	224.6	253.0	279.2	273.2	240.0	204.1	179.4	166.9	156.8	152.9
75°	151.9	169.8	187.1	204.5	202.9	177.1	156.1	137.2	127.2	119.3	117.7
77.5°	112.2	122.2	134.0	144.3	141.4	126.7	110.2	99.3	92.0	86.7	85.9
80°	85.7	91.5	99.9	107.3	103.5	97.3	84.1	76.2	71.0	65.7	63.6
82.5°	62.1	67.9	73.0	76.9	74.1	68.2	60.1	54.7	51.7	48.0	47.2
85°	32.6	35.7	37.9	38.9	37.9	34.1	30.5	28.4	25.7	24.2	23.7
87.5°	16.6	15.8	15.1	15.3	13.6	13.2	11.1	9.4	9.4	9.4	9.0
90°	20.0	16.1	12.2	9.2	7.1	5.0	2.9	0.8	2.9	5.0	7.1
92.5°	23.3	22.4	21.5	20.3	18.7	17.2	15.6	14.1	15.6	17.2	18.7
95°	49.9	49.5	49.2	48.2	46.3	44.6	42.9	41.1	42.9	44.6	46.3
97.5°	83.7	83.1	82.4	81.3	79.8	78.2	76.7	75.1	76.7	78.2	79.8
100°	108.1	107.5	107.0	106.0	104.6	103.2	101.8	100.4	101.8	103.2	104.6
102.5°	133.7	133.0	132.4	131.4	130.3	129.2	128.1	127.0	128.1	129.2	130.3
105°	173.3	172.9	172.5	172.1	171.6	171.0	170.5	170.0	170.5	171.0	171.6
107.5°	216.7	216.7	216.7	216.4	215.6	214.8	214.0	213.3	214.0	214.8	215.6
110°	245.9	245.9	245.9	245.3	244.3	243.2	242.2	241.1	242.2	243.2	244.3





TEST NUMBER: P331403-927

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.8	276.0	276.2	275.7	274.6	273.6	272.5	271.5	272.5	273.6	274.6
115°	320.1	320.4	320.8	320.4	319.4	318.3	317.3	316.2	317.3	318.3	319.4
117.5°	364.6	365.7	366.6	366.5	365.0	363.6	362.2	360.8	362.2	363.6	365.0
120°	393.3	394.7	396.2	396.2	394.7	393.3	392.0	390.5	392.0	393.3	394.7
122.5°	422.9	423.8	424.8	424.5	422.8	421.1	419.4	417.7	419.4	421.1	422.8
125°	465.9	466.4	467.0	466.4	464.9	463.3	461.7	460.1	461.7	463.3	464.9
127.5°	508.8	509.5	510.1	509.4	507.4	505.4	503.4	501.4	503.4	505.4	507.4
130°	536.7	537.0	537.4	536.5	534.2	531.9	529.6	527.3	529.6	531.9	534.2
132.5°	565.0	564.9	564.8	563.9	562.0	560.2	558.3	556.4	558.3	560.2	562.0
135°	604.8	604.5	604.2	603.0	601.1	599.1	597.2	595.3	597.2	599.1	601.1
137.5°	644.5	644.0	643.6	642.5	641.0	639.4	637.8	636.3	637.8	639.4	641.0
140°	670.2	669.3	668.4	667.3	665.7	664.1	662.5	660.9	662.5	664.1	665.7
142.5°	694.8	694.2	693.6	692.5	690.9	689.4	687.8	686.2	687.8	689.4	690.9
145°	730.7	729.7	728.6	727.5	726.3	725.0	723.8	722.5	723.8	725.0	726.3
147.5°	763.3	762.7	762.0	760.9	759.4	758.0	756.5	754.9	756.5	758.0	759.4
150°	783.6	782.9	782.2	781.3	780.3	779.2	778.2	777.1	778.2	779.2	780.3
152.5°	803.6	802.7	801.9	801.0	799.9	798.8	797.8	796.7	797.8	798.8	799.9
155°	829.8	829.3	828.8	828.2	827.8	827.2	826.6	826.2	826.6	827.2	827.8
157.5°	853.7	853.3	853.0	852.7	852.3	852.0	851.6	851.3	851.6	852.0	852.3
160°	868.5	868.3	868.2	867.8	867.5	867.1	866.8	866.5	866.8	867.1	867.5
162.5°	881.1	881.0	880.7	880.7	880.6	880.5	880.4	880.4	880.4	880.5	880.6
165°	898.1	898.1	898.1	898.2	898.3	898.5	898.7	898.9	898.7	898.5	898.3
167.5°	911.9	912.0	912.0	912.3	912.8	913.3	913.9	914.3	913.9	913.3	912.8
170°	919.8	920.0	920.1	920.4	921.0	921.5	922.0	922.6	922.0	921.5	921.0
172.5°	925.4	925.7	925.8	926.1	926.7	927.2	927.7	928.3	927.7	927.2	926.7
175°	932.0	932.3	932.7	933.1	933.7	934.1	934.7	935.3	934.7	934.1	933.7
177.5°	935.5	935.7	936.0	936.4	936.8	937.2	937.6	938.1	937.6	937.2	936.8
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331403-927

CATALOG NUMBER: SA2XXDIP-C865D925U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1349.6	1347.1	1338.3	1333.7	1326.1	1319.0	1314.3	1316.4	1318.1	1317.2	1316.1
5°	1311.0	1301.0	1285.7	1272.6	1263.1	1245.8	1238.4	1234.8	1231.6	1227.9	1224.2
7.5°	1265.0	1249.2	1227.2	1208.6	1190.9	1169.3	1157.1	1149.7	1142.2	1133.9	1126.5
10°	1232.2	1210.1	1186.9	1160.6	1139.6	1120.1	1102.8	1091.2	1080.8	1070.7	1063.4
12.5°	1197.6	1172.2	1143.6	1107.6	1084.5	1056.7	1054.0	1033.6	1017.2	1011.1	1002.4
15°	1142.8	1107.0	1070.7	1028.2	1009.8	984.5	968.8	953.0	938.8	928.8	926.2
17.5°	1080.5	1034.2	998.1	967.5	937.3	911.5	897.0	884.4	872.7	859.4	857.5
20°	1032.9	992.9	953.5	926.7	895.7	869.4	851.5	838.9	828.9	821.1	814.2
22.5°	987.9	944.2	908.1	878.8	848.2	827.0	812.9	800.7	792.3	783.6	777.2
25°	915.7	881.5	842.1	809.0	783.7	770.1	758.5	748.0	742.8	737.0	729.6
27.5°	852.5	814.5	777.7	752.0	729.8	717.7	709.6	702.3	697.4	694.0	689.8
30°	807.9	769.5	740.6	715.4	697.0	684.9	679.7	675.5	669.7	667.6	665.5
32.5°	765.0	730.5	705.8	683.9	666.3	658.5	653.6	649.8	645.3	643.2	639.0
35°	704.4	675.5	651.3	639.2	625.0	618.1	614.5	609.3	605.0	602.9	602.4
37.5°	647.3	622.2	606.3	590.7	584.7	580.5	575.5	571.9	570.6	570.3	569.8
40°	610.3	589.8	575.6	563.0	560.3	554.1	549.9	546.7	546.7	547.2	546.7
42.5°	576.6	558.3	545.7	534.8	531.7	528.0	523.8	523.6	524.4	526.2	524.4
45°	525.6	512.5	503.6	498.3	492.5	488.9	488.3	489.9	490.4	491.0	492.5
47.5°	478.8	470.0	461.9	456.1	453.6	453.0	452.3	455.1	457.6	458.6	461.0
50°	451.0	441.0	434.2	430.5	428.4	427.4	428.4	431.6	433.6	436.3	437.8
52.5°	419.9	412.8	408.1	405.3	404.4	405.0	405.3	408.8	412.3	413.1	413.9
55°	376.9	371.6	370.6	365.8	368.0	367.4	370.0	372.2	375.3	378.5	379.0
57.5°	334.0	329.8	326.9	327.4	328.0	330.3	332.6	336.2	339.6	342.9	343.3
60°	305.4	303.3	301.7	301.7	302.8	305.9	308.6	312.2	314.3	316.5	318.0
62.5°	279.3	277.3	275.7	276.5	279.2	281.1	284.2	286.1	288.3	290.3	291.1
65°	238.1	237.1	238.7	239.7	240.2	242.9	246.5	248.1	250.2	251.3	254.9
67.5°	200.2	200.3	200.2	201.6	204.7	205.3	208.8	212.5	212.9	214.9	217.3
70°	174.5	175.5	176.7	177.7	180.3	181.3	183.9	185.5	187.7	189.3	190.8
72.5°	151.0	151.1	152.3	152.0	154.2	156.5	158.8	160.3	162.4	164.5	166.0
75°	116.1	116.1	117.2	117.7	120.4	123.0	122.5	123.5	125.6	127.7	128.8
77.5°	84.8	83.7	84.8	85.4	86.2	88.4	88.8	90.3	92.7	92.0	93.2
80°	64.6	63.1	64.6	65.2	65.2	67.8	67.8	68.8	70.4	68.8	70.4
82.5°	46.2	45.4	46.6	46.7	47.5	47.6	48.5	48.6	50.2	49.5	50.2
85°	23.1	22.6	23.1	22.6	23.1	23.7	23.7	23.1	23.1	24.2	22.6
87.5°	9.0	9.2	9.5	10.3	10.6	11.0	10.5	10.5	10.4	9.4	9.4
90°	9.2	12.2	16.1	20.0	23.8	27.6	27.3	26.9	26.6	26.3	26.1
92.5°	20.3	21.5	22.4	23.3	24.2	25.1	25.2	25.3	25.3	25.4	25.5
95°	48.2	49.2	49.5	49.9	50.2	50.6	50.6	50.6	50.6	50.6	50.4
97.5°	81.3	82.4	83.1	83.7	84.4	85.1	85.1	85.1	85.1	85.1	85.1
100°	106.0	107.0	107.5	108.1	108.6	109.1	109.1	109.1	109.1	109.1	109.0
102.5°	131.4	132.4	133.0	133.7	134.4	135.1	135.1	135.3	135.5	135.6	135.5
105°	172.1	172.5	172.9	173.3	173.6	173.9	174.3	174.6	175.0	175.3	175.5
107.5°	216.4	216.7	216.7	216.7	216.7	216.7	216.9	217.1	217.2	217.3	217.0
110°	245.3	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.6



TEST NUMBER: P331403-927

CATALOG NUMBER: SA2XXDIP-C865D925U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	275.7	276.2	276.0	275.8	275.8	275.6	275.2	274.7	274.3	273.9	273.5
115°	320.4	320.8	320.4	320.1	319.7	319.4	319.2	319.0	318.9	318.7	318.3
117.5°	366.5	366.6	365.7	364.6	363.7	362.7	362.3	361.9	361.5	361.0	360.5
120°	396.2	396.2	394.7	393.3	392.0	390.5	390.5	390.5	390.5	390.5	390.3
122.5°	424.5	424.8	423.8	422.9	421.9	420.9	420.5	420.0	419.6	419.2	418.8
125°	466.4	467.0	466.4	465.9	465.4	464.9	464.3	463.8	463.3	462.7	462.4
127.5°	509.4	510.1	509.5	508.8	508.2	507.6	506.9	506.3	505.6	505.0	504.4
130°	536.5	537.4	537.0	536.7	536.4	536.0	535.7	535.3	535.0	534.6	534.1
132.5°	563.9	564.8	564.9	565.0	565.0	565.1	564.4	563.6	562.8	562.0	561.3
135°	603.0	604.2	604.5	604.8	605.2	605.5	605.4	605.2	605.1	604.8	604.5
137.5°	642.5	643.6	644.0	644.5	645.0	645.4	645.3	645.2	645.0	644.8	644.4
140°	667.3	668.4	669.3	670.2	671.1	672.0	672.0	672.0	672.0	672.0	671.6
142.5°	692.5	693.6	694.2	694.8	695.4	696.0	696.2	696.3	696.4	696.6	696.3
145°	727.5	728.6	729.7	730.7	731.8	732.8	733.0	733.2	733.4	733.6	733.3
147.5°	760.9	762.0	762.7	763.3	764.1	764.8	765.2	765.6	766.0	766.4	766.2
150°	781.3	782.2	782.9	783.6	784.3	785.1	785.5	786.1	786.6	787.1	787.1
152.5°	801.0	801.9	802.7	803.6	804.4	805.3	806.0	806.6	807.2	807.9	807.9
155°	828.2	828.8	829.3	829.8	830.4	830.8	831.8	832.7	833.5	834.4	834.6
157.5°	852.7	853.0	853.3	853.7	854.0	854.3	855.5	856.7	857.9	859.0	859.2
160°	867.8	868.2	868.3	868.5	868.6	868.8	869.9	870.9	872.0	873.1	873.2
162.5°	880.7	880.7	881.0	881.1	881.3	881.5	882.6	883.8	885.0	886.2	886.5
165°	898.2	898.1	898.1	898.1	898.1	898.1	899.3	900.6	901.7	903.0	903.2
167.5°	912.3	912.0	912.0	911.9	911.9	911.8	913.1	914.3	915.5	916.7	916.9
170°	920.4	920.1	920.0	919.8	919.6	919.4	920.7	921.9	923.1	924.3	924.4
172.5°	926.1	925.8	925.7	925.4	925.3	925.1	926.4	927.6	928.8	930.0	930.1
175°	933.1	932.7	932.3	932.0	931.6	931.3	932.5	933.7	934.9	936.2	936.3
177.5°	936.4	936.0	935.7	935.5	935.2	934.9	935.7	936.6	937.5	938.3	938.3
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331403-927

CATALOG NUMBER: SA2XXDIP-C865D925U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1311.8	1311.0	1311.0	1307.2	1311.0	1311.0	1311.8	1316.1	1317.2	1318.1	1316.4
5°	1216.9	1215.3	1212.7	1215.3	1212.7	1215.3	1216.9	1224.2	1227.9	1231.6	1234.8
7.5°	1123.0	1116.7	1115.7	1109.5	1115.7	1116.7	1123.0	1126.5	1133.9	1142.2	1149.7
10°	1054.5	1050.3	1049.7	1039.7	1049.7	1050.3	1054.5	1063.4	1070.7	1080.8	1091.2
12.5°	1002.3	992.2	994.2	988.4	994.2	992.2	1002.3	1002.4	1011.1	1017.2	1033.6
15°	912.0	912.0	909.9	900.9	909.9	912.0	912.0	926.2	928.8	938.8	953.0
17.5°	847.2	846.1	841.1	843.6	841.1	846.1	847.2	857.5	859.4	872.7	884.4
20°	808.4	805.3	799.0	799.0	799.0	805.3	808.4	814.2	821.1	828.9	838.9
22.5°	771.9	771.7	764.9	767.0	764.9	771.7	771.9	777.2	783.6	792.3	800.7
25°	729.0	724.8	721.8	723.3	721.8	724.8	729.0	729.6	737.0	742.8	748.0
27.5°	688.5	686.2	686.0	681.7	686.0	686.2	688.5	689.8	694.0	697.4	702.3
30°	665.0	659.7	660.8	658.1	660.8	659.7	665.0	665.5	667.6	669.7	675.5
32.5°	638.0	636.1	635.1	632.9	635.1	636.1	638.0	639.0	643.2	645.3	649.8
35°	601.3	601.9	599.2	600.3	599.2	601.9	601.3	602.4	602.9	605.0	609.3
37.5°	569.3	570.9	569.7	570.1	569.7	570.9	569.3	569.8	570.3	570.6	571.9
40°	548.3	548.3	548.3	549.9	548.3	548.3	548.3	546.7	547.2	546.7	546.7
42.5°	528.1	527.2	526.4	526.2	526.4	527.2	528.1	524.4	526.2	524.4	523.6
45°	493.6	495.2	495.7	493.1	495.7	495.2	493.6	492.5	491.0	490.4	489.9
47.5°	462.4	462.6	462.4	464.7	462.4	462.6	462.4	461.0	458.6	457.6	455.1
50°	440.5	439.4	440.5	439.4	440.5	439.4	440.5	437.8	436.3	433.6	431.6
52.5°	417.4	417.6	416.9	416.8	416.9	417.6	417.4	413.9	413.1	412.3	408.8
55°	381.1	382.1	381.6	381.6	381.6	382.1	381.1	379.0	378.5	375.3	372.2
57.5°	343.6	344.5	345.2	342.9	345.2	344.5	343.6	343.3	342.9	339.6	336.2
60°	317.5	320.1	319.6	318.5	319.6	320.1	317.5	318.0	316.5	314.3	312.2
62.5°	293.5	294.5	294.4	294.1	294.4	294.5	293.5	291.1	290.3	288.3	286.1
65°	256.5	257.5	256.0	257.5	256.0	257.5	256.5	254.9	251.3	250.2	248.1
67.5°	216.7	217.0	218.2	218.9	218.2	217.0	216.7	217.3	214.9	212.9	212.5
70°	191.9	191.3	192.9	194.5	192.9	191.3	191.9	190.8	189.3	187.7	185.5
72.5°	165.8	166.9	166.4	167.5	166.4	166.9	165.8	166.0	164.5	162.4	160.3
75°	127.7	129.3	128.8	130.4	128.8	129.3	127.7	128.8	127.7	125.6	123.5
77.5°	92.3	92.5	92.3	93.2	92.3	92.5	92.3	93.2	92.0	92.7	90.3
80°	70.4	69.4	68.4	70.4	68.4	69.4	70.4	70.4	68.8	70.4	68.8
82.5°	49.0	49.6	48.6	48.6	48.6	49.6	49.0	50.2	49.5	50.2	48.6
85°	22.6	22.1	21.0	21.0	21.0	22.1	22.6	22.6	24.2	23.1	23.1
87.5°	9.5	9.1	9.1	8.7	9.1	9.1	9.5	9.4	9.4	10.4	10.5
90°	26.4	26.5	26.7	26.9	26.7	26.5	26.4	26.1	26.3	26.6	26.9
92.5°	25.5	25.5	25.6	25.6	25.6	25.5	25.5	25.5	25.4	25.3	25.3
95°	50.1	49.7	49.4	49.0	49.4	49.7	50.1	50.4	50.6	50.6	50.6
97.5°	85.0	85.0	84.9	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1
100°	108.8	108.7	108.4	108.3	108.4	108.7	108.8	109.0	109.1	109.1	109.1
102.5°	135.4	135.2	135.1	134.9	135.1	135.2	135.4	135.5	135.6	135.5	135.3
105°	175.5	175.5	175.5	175.5	175.5	175.5	175.5	175.5	175.3	175.0	174.6
107.5°	216.2	215.4	214.6	213.7	214.6	215.4	216.2	217.0	217.3	217.2	217.1
110°	245.1	244.5	244.0	243.5	244.0	244.5	245.1	245.6	245.9	245.9	245.9



TEST NUMBER: P331403-927

CATALOG NUMBER: SA2XXDIP-C865D925U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	273.1	272.7	272.4	272.0	272.4	272.7	273.1	273.5	273.9	274.3	274.7
115°	317.8	317.3	316.7	316.2	316.7	317.3	317.8	318.3	318.7	318.9	319.0
117.5°	360.0	359.5	358.9	358.5	358.9	359.5	360.0	360.5	361.0	361.5	361.9
120°	389.8	389.2	388.7	388.2	388.7	389.2	389.8	390.3	390.5	390.5	390.5
122.5°	418.4	418.0	417.6	417.2	417.6	418.0	418.4	418.8	419.2	419.6	420.0
125°	462.2	462.0	461.8	461.7	461.8	462.0	462.2	462.4	462.7	463.3	463.8
127.5°	503.8	503.3	502.7	502.2	502.7	503.3	503.8	504.4	505.0	505.6	506.3
130°	533.4	532.7	532.0	531.2	532.0	532.7	533.4	534.1	534.6	535.0	535.3
132.5°	560.8	560.2	559.7	559.1	559.7	560.2	560.8	561.3	562.0	562.8	563.6
135°	604.0	603.5	602.9	602.4	602.9	603.5	604.0	604.5	604.8	605.1	605.2
137.5°	643.7	643.0	642.3	641.6	642.3	643.0	643.7	644.4	644.8	645.0	645.2
140°	670.9	670.2	669.6	668.8	669.6	670.2	670.9	671.6	672.0	672.0	672.0
142.5°	695.6	694.9	694.2	693.5	694.2	694.9	695.6	696.3	696.6	696.4	696.3
145°	732.6	731.9	731.2	730.5	731.2	731.9	732.6	733.3	733.6	733.4	733.2
147.5°	765.6	764.9	764.2	763.5	764.2	764.9	765.6	766.2	766.4	766.0	765.6
150°	786.6	786.1	785.5	785.1	785.5	786.1	786.6	787.1	787.1	786.6	786.1
152.5°	807.2	806.6	806.0	805.3	806.0	806.6	807.2	807.9	807.9	807.2	806.6
155°	834.0	833.5	833.0	832.4	833.0	833.5	834.0	834.6	834.4	833.5	832.7
157.5°	858.4	857.5	856.7	855.9	856.7	857.5	858.4	859.2	859.0	857.9	856.7
160°	872.5	871.8	871.1	870.4	871.1	871.8	872.5	873.2	873.1	872.0	870.9
162.5°	885.6	884.7	883.9	883.0	883.9	884.7	885.6	886.5	886.2	885.0	883.8
165°	902.3	901.4	900.6	899.7	900.6	901.4	902.3	903.2	903.0	901.7	900.6
167.5°	916.0	915.0	914.2	913.2	914.2	915.0	916.0	916.9	916.7	915.5	914.3
170°	923.4	922.3	921.2	920.2	921.2	922.3	923.4	924.4	924.3	923.1	921.9
172.5°	929.1	928.0	926.9	925.9	926.9	928.0	929.1	930.1	930.0	928.8	927.6
175°	935.3	934.1	933.1	932.1	933.1	934.1	935.3	936.3	936.2	934.9	933.7
177.5°	937.5	936.6	935.7	934.9	935.7	936.6	937.5	938.3	938.3	937.5	936.6
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331403-927  
 CATALOG NUMBER: SA2XXDIP-C865D925U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1314.3	1319.0	1326.1	1333.7	1338.3	1347.1	1349.6	1353.8	1357.6	1366.5	1375.7
5°	1238.4	1245.8	1263.1	1272.6	1285.7	1301.0	1311.0	1321.5	1333.1	1353.0	1371.4
7.5°	1157.1	1169.3	1190.9	1208.6	1227.2	1249.2	1265.0	1285.7	1303.0	1331.2	1358.0
10°	1102.8	1120.1	1139.6	1160.6	1186.9	1210.1	1232.2	1258.4	1279.5	1313.0	1344.7
12.5°	1054.0	1056.7	1084.5	1107.6	1143.6	1172.2	1197.6	1231.5	1252.1	1292.0	1325.2
15°	968.8	984.5	1009.8	1028.2	1070.7	1107.0	1142.8	1178.0	1201.7	1251.0	1294.7
17.5°	897.0	911.5	937.3	967.5	998.1	1034.2	1080.5	1117.5	1149.7	1206.2	1257.7
20°	851.5	869.4	895.7	926.7	953.5	992.9	1032.9	1075.5	1110.2	1173.8	1234.2
22.5°	812.9	827.0	848.2	878.8	908.1	944.2	987.9	1034.3	1070.6	1139.3	1200.6
25°	758.5	770.1	783.7	809.0	842.1	881.5	915.7	966.7	1019.8	1083.9	1158.0
27.5°	709.6	717.7	729.8	752.0	777.7	814.5	852.5	900.9	954.3	1023.9	1102.1
30°	679.7	684.9	697.0	715.4	740.6	769.5	807.9	854.2	908.9	979.3	1057.1
32.5°	653.6	658.5	666.3	683.9	705.8	730.5	765.0	811.3	863.4	932.6	1018.8
35°	614.5	618.1	625.0	639.2	651.3	675.5	704.4	746.4	795.3	861.6	950.9
37.5°	575.5	580.5	584.7	590.7	606.3	622.2	647.3	682.8	730.8	797.6	882.8
40°	549.9	554.1	560.3	563.0	575.6	589.8	610.3	642.9	691.3	752.2	835.3
42.5°	523.8	528.0	531.7	534.8	545.7	558.3	576.6	604.6	647.5	706.8	789.0
45°	488.3	488.9	492.5	498.3	503.6	512.5	525.6	549.9	583.0	638.7	713.3
47.5°	452.3	453.0	453.6	456.1	461.9	470.0	478.8	498.4	528.1	572.5	645.2
50°	428.4	427.4	428.4	430.5	434.2	441.0	451.0	465.2	489.4	530.9	597.7
52.5°	405.3	405.0	404.4	405.3	408.1	412.8	419.9	432.0	453.6	491.8	550.6
55°	370.0	367.4	368.0	365.8	370.6	371.6	376.9	386.9	405.8	432.1	487.3
57.5°	332.6	330.3	328.0	327.4	326.9	329.8	334.0	341.9	356.4	379.4	424.2
60°	308.6	305.9	302.8	301.7	301.7	303.3	305.4	311.2	324.9	345.4	382.1
62.5°	284.2	281.1	279.2	276.5	275.7	277.3	279.3	283.4	293.3	312.5	344.3
65°	246.5	242.9	240.2	239.7	238.7	237.1	238.1	242.3	250.2	265.5	290.7
67.5°	208.8	205.3	204.7	201.6	200.2	200.3	200.2	203.7	208.5	221.7	240.4
70°	183.9	181.3	180.3	177.7	176.7	175.5	174.5	177.7	182.4	193.5	209.8
72.5°	158.8	156.5	154.2	152.0	152.3	151.1	151.0	152.9	156.8	166.9	179.4
75°	122.5	123.0	120.4	117.7	117.2	116.1	116.1	117.7	119.3	127.2	137.2
77.5°	88.8	88.4	86.2	85.4	84.8	83.7	84.8	85.9	86.7	92.0	99.3
80°	67.8	67.8	65.2	65.2	64.6	63.1	64.6	63.6	65.7	71.0	76.2
82.5°	48.5	47.6	47.5	46.7	46.6	45.4	46.2	47.2	48.0	51.7	54.7
85°	23.7	23.7	23.1	22.6	23.1	22.6	23.1	23.7	24.2	25.7	28.4
87.5°	10.5	11.0	10.6	10.3	9.5	9.2	9.0	9.0	9.4	9.4	9.4
90°	27.3	27.6	23.8	20.0	16.1	12.2	9.2	7.1	5.0	2.9	0.8
92.5°	25.2	25.1	24.2	23.3	22.4	21.5	20.3	18.7	17.2	15.6	14.1
95°	50.6	50.6	50.2	49.9	49.5	49.2	48.2	46.3	44.6	42.9	41.1
97.5°	85.1	85.1	84.4	83.7	83.1	82.4	81.3	79.8	78.2	76.7	75.1
100°	109.1	109.1	108.6	108.1	107.5	107.0	106.0	104.6	103.2	101.8	100.4
102.5°	135.1	135.1	134.4	133.7	133.0	132.4	131.4	130.3	129.2	128.1	127.0
105°	174.3	173.9	173.6	173.3	172.9	172.5	172.1	171.6	171.0	170.5	170.0
107.5°	216.9	216.7	216.7	216.7	216.7	216.7	216.4	215.6	214.8	214.0	213.3
110°	245.9	245.9	245.9	245.9	245.9	245.9	245.3	244.3	243.2	242.2	241.1



TEST NUMBER: P331403-927

CATALOG NUMBER: SA2XXDIP-C865D925U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	275.2	275.6	275.8	275.8	276.0	276.2	275.7	274.6	273.6	272.5	271.5
115°	319.2	319.4	319.7	320.1	320.4	320.8	320.4	319.4	318.3	317.3	316.2
117.5°	362.3	362.7	363.7	364.6	365.7	366.6	366.5	365.0	363.6	362.2	360.8
120°	390.5	390.5	392.0	393.3	394.7	396.2	396.2	394.7	393.3	392.0	390.5
122.5°	420.5	420.9	421.9	422.9	423.8	424.8	424.5	422.8	421.1	419.4	417.7
125°	464.3	464.9	465.4	465.9	466.4	467.0	466.4	464.9	463.3	461.7	460.1
127.5°	506.9	507.6	508.2	508.8	509.5	510.1	509.4	507.4	505.4	503.4	501.4
130°	535.7	536.0	536.4	536.7	537.0	537.4	536.5	534.2	531.9	529.6	527.3
132.5°	564.4	565.1	565.0	565.0	564.9	564.8	563.9	562.0	560.2	558.3	556.4
135°	605.4	605.5	605.2	604.8	604.5	604.2	603.0	601.1	599.1	597.2	595.3
137.5°	645.3	645.4	645.0	644.5	644.0	643.6	642.5	641.0	639.4	637.8	636.3
140°	672.0	672.0	671.1	670.2	669.3	668.4	667.3	665.7	664.1	662.5	660.9
142.5°	696.2	696.0	695.4	694.8	694.2	693.6	692.5	690.9	689.4	687.8	686.2
145°	733.0	732.8	731.8	730.7	729.7	728.6	727.5	726.3	725.0	723.8	722.5
147.5°	765.2	764.8	764.1	763.3	762.7	762.0	760.9	759.4	758.0	756.5	754.9
150°	785.5	785.1	784.3	783.6	782.9	782.2	781.3	780.3	779.2	778.2	777.1
152.5°	806.0	805.3	804.4	803.6	802.7	801.9	801.0	799.9	798.8	797.8	796.7
155°	831.8	830.8	830.4	829.8	829.3	828.8	828.2	827.8	827.2	826.6	826.2
157.5°	855.5	854.3	854.0	853.7	853.3	853.0	852.7	852.3	852.0	851.6	851.3
160°	869.9	868.8	868.6	868.5	868.3	868.2	867.8	867.5	867.1	866.8	866.5
162.5°	882.6	881.5	881.3	881.1	881.0	880.7	880.7	880.6	880.5	880.4	880.4
165°	899.3	898.1	898.1	898.1	898.1	898.1	898.2	898.3	898.5	898.7	898.9
167.5°	913.1	911.8	911.9	911.9	912.0	912.0	912.3	912.8	913.3	913.9	914.3
170°	920.7	919.4	919.6	919.8	920.0	920.1	920.4	921.0	921.5	922.0	922.6
172.5°	926.4	925.1	925.3	925.4	925.7	925.8	926.1	926.7	927.2	927.7	928.3
175°	932.5	931.3	931.6	932.0	932.3	932.7	933.1	933.7	934.1	934.7	935.3
177.5°	935.7	934.9	935.2	935.5	935.7	936.0	936.4	936.8	937.2	937.6	938.1
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331403-927

CATALOG NUMBER: SA2XXDIP-C865D925U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1374.9	1377.0	1383.7	1390.4	1398.0	1400.1	1403.5	1400.6	1399.7	1407.7	1413.6
5°	1378.8	1388.2	1406.7	1423.5	1437.7	1447.6	1458.2	1462.4	1470.2	1481.3	1494.9
7.5°	1374.4	1392.7	1421.7	1446.2	1472.9	1492.1	1507.1	1520.0	1535.6	1556.5	1579.3
10°	1369.3	1394.0	1429.3	1459.2	1491.8	1516.5	1537.0	1557.0	1580.1	1609.0	1638.9
12.5°	1360.1	1389.4	1433.5	1468.9	1510.7	1535.0	1562.7	1605.8	1630.5	1670.9	1713.0
15°	1341.5	1374.0	1435.5	1479.2	1526.5	1572.7	1623.7	1664.8	1705.7	1729.4	1788.8
17.5°	1313.8	1361.7	1429.7	1480.7	1540.8	1613.7	1671.0	1717.4	1764.7	1803.1	1832.9
20°	1291.5	1343.5	1421.3	1482.3	1553.8	1632.1	1697.9	1745.2	1786.1	1818.2	1836.6
22.5°	1263.4	1328.8	1404.5	1476.0	1567.3	1644.7	1713.8	1751.0	1785.3	1800.9	1808.0
25°	1219.0	1297.8	1383.5	1470.8	1573.8	1655.8	1718.9	1741.5	1751.4	1736.2	1711.0
27.5°	1171.2	1259.0	1359.2	1460.9	1569.8	1648.6	1693.8	1690.3	1673.3	1624.1	1584.6
30°	1135.4	1232.2	1339.9	1450.8	1560.1	1636.9	1663.2	1636.9	1598.5	1543.3	1487.1
32.5°	1098.0	1198.1	1319.3	1436.5	1542.5	1610.0	1615.7	1570.4	1511.0	1448.3	1378.2
35°	1041.3	1149.6	1280.5	1404.5	1504.9	1547.5	1522.3	1442.4	1372.0	1286.3	1190.6
37.5°	977.3	1096.9	1228.1	1357.7	1448.7	1459.8	1397.2	1313.0	1213.7	1113.0	1000.4
40°	929.4	1056.1	1191.1	1322.0	1402.4	1390.8	1311.0	1218.5	1100.2	977.2	872.6
42.5°	886.5	1013.1	1150.7	1279.1	1343.5	1311.8	1218.5	1104.9	977.8	862.0	766.2
45°	812.1	942.5	1083.4	1207.4	1244.2	1186.9	1063.4	937.2	812.1	715.4	639.7
47.5°	740.0	868.9	1008.4	1117.5	1130.4	1053.4	918.4	788.6	681.0	602.3	548.9
50°	687.1	816.3	954.6	1051.9	1047.6	954.6	815.8	692.3	602.4	538.8	503.0
52.5°	639.5	761.7	894.5	982.9	960.6	859.1	726.7	617.0	543.1	493.4	461.0
55°	565.6	678.6	804.8	875.8	834.7	722.2	610.3	522.0	467.3	430.0	404.7
57.5°	492.2	598.2	706.2	749.9	704.6	600.7	507.4	443.3	402.2	374.5	358.1
60°	446.8	539.3	635.5	673.4	619.2	526.7	453.1	395.9	362.7	340.1	325.3
62.5°	401.4	484.3	575.0	595.6	546.1	467.9	402.7	355.1	327.8	307.7	293.8
65°	339.6	407.3	476.3	489.9	444.2	383.7	332.2	301.2	277.0	262.3	251.3
67.5°	278.5	333.0	381.8	392.8	352.7	310.8	273.5	246.5	230.1	217.9	208.6
70°	242.3	285.4	325.3	334.3	302.2	264.9	236.5	215.0	200.3	189.7	180.9
72.5°	204.1	240.0	273.2	279.2	253.0	224.6	201.2	184.3	171.3	164.5	156.0
75°	156.1	177.1	202.9	204.5	187.1	169.8	151.9	140.9	134.0	125.6	121.4
77.5°	110.2	126.7	141.4	144.3	134.0	122.2	112.2	103.5	97.7	93.8	89.9
80°	84.1	97.3	103.5	107.3	99.9	91.5	85.7	79.9	76.2	73.6	71.0
82.5°	60.1	68.2	74.1	76.9	73.0	67.9	62.1	58.9	56.0	53.8	52.9
85°	30.5	34.1	37.9	38.9	37.9	35.7	32.6	32.6	31.0	30.5	30.5
87.5°	11.1	13.2	13.6	15.3	15.1	15.8	16.6	17.0	17.3	16.8	16.3
90°	2.9	5.0	7.1	9.2	12.2	16.1	20.0	23.8	27.6	27.3	26.9
92.5°	15.6	17.2	18.7	20.3	21.5	22.4	23.3	24.2	25.1	25.2	25.3
95°	42.9	44.6	46.3	48.2	49.2	49.5	49.9	50.2	50.6	50.6	50.6
97.5°	76.7	78.2	79.8	81.3	82.4	83.1	83.7	84.4	85.1	85.1	85.1
100°	101.8	103.2	104.6	106.0	107.0	107.5	108.1	108.6	109.1	109.1	109.1
102.5°	128.1	129.2	130.3	131.4	132.4	133.0	133.7	134.4	135.1	135.1	135.3
105°	170.5	171.0	171.6	172.1	172.5	172.9	173.3	173.6	173.9	174.3	174.6
107.5°	214.0	214.8	215.6	216.4	216.7	216.7	216.7	216.7	216.7	216.9	217.1
110°	242.2	243.2	244.3	245.3	245.9	245.9	245.9	245.9	245.9	245.9	245.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	272.5	273.6	274.6	275.7	276.2	276.0	275.8	275.8	275.6	275.2	274.7
115°	317.3	318.3	319.4	320.4	320.8	320.4	320.1	319.7	319.4	319.2	319.0
117.5°	362.2	363.6	365.0	366.5	366.6	365.7	364.6	363.7	362.7	362.3	361.9
120°	392.0	393.3	394.7	396.2	396.2	394.7	393.3	392.0	390.5	390.5	390.5
122.5°	419.4	421.1	422.8	424.5	424.8	423.8	422.9	421.9	420.9	420.5	420.0
125°	461.7	463.3	464.9	466.4	467.0	466.4	465.9	465.4	464.9	464.3	463.8
127.5°	503.4	505.4	507.4	509.4	510.1	509.5	508.8	508.2	507.6	506.9	506.3
130°	529.6	531.9	534.2	536.5	537.4	537.0	536.7	536.4	536.0	535.7	535.3
132.5°	558.3	560.2	562.0	563.9	564.8	564.9	565.0	565.0	565.1	564.4	563.6
135°	597.2	599.1	601.1	603.0	604.2	604.5	604.8	605.2	605.5	605.4	605.2
137.5°	637.8	639.4	641.0	642.5	643.6	644.0	644.5	645.0	645.4	645.3	645.2
140°	662.5	664.1	665.7	667.3	668.4	669.3	670.2	671.1	672.0	672.0	672.0
142.5°	687.8	689.4	690.9	692.5	693.6	694.2	694.8	695.4	696.0	696.2	696.3
145°	723.8	725.0	726.3	727.5	728.6	729.7	730.7	731.8	732.8	733.0	733.2
147.5°	756.5	758.0	759.4	760.9	762.0	762.7	763.3	764.1	764.8	765.2	765.6
150°	778.2	779.2	780.3	781.3	782.2	782.9	783.6	784.3	785.1	785.5	786.1
152.5°	797.8	798.8	799.9	801.0	801.9	802.7	803.6	804.4	805.3	806.0	806.6
155°	826.6	827.2	827.8	828.2	828.8	829.3	829.8	830.4	830.8	831.8	832.7
157.5°	851.6	852.0	852.3	852.7	853.0	853.3	853.7	854.0	854.3	855.5	856.7
160°	866.8	867.1	867.5	867.8	868.2	868.3	868.5	868.6	868.8	869.9	870.9
162.5°	880.4	880.5	880.6	880.7	880.7	881.0	881.1	881.3	881.5	882.6	883.8
165°	898.7	898.5	898.3	898.2	898.1	898.1	898.1	898.1	898.1	899.3	900.6
167.5°	913.9	913.3	912.8	912.3	912.0	912.0	911.9	911.9	911.8	913.1	914.3
170°	922.0	921.5	921.0	920.4	920.1	920.0	919.8	919.6	919.4	920.7	921.9
172.5°	927.7	927.2	926.7	926.1	925.8	925.7	925.4	925.3	925.1	926.4	927.6
175°	934.7	934.1	933.7	933.1	932.7	932.3	932.0	931.6	931.3	932.5	933.7
177.5°	937.6	937.2	936.8	936.4	936.0	935.7	935.5	935.2	934.9	935.7	936.6
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1418.6	1424.5	1424.5	1425.4	1432.1	1431.2	1430.8
5°	1509.7	1518.6	1519.6	1529.1	1535.4	1533.3	1527.6
7.5°	1595.5	1612.2	1624.8	1631.8	1640.1	1645.3	1643.0
10°	1663.7	1687.8	1702.6	1712.5	1724.7	1733.6	1730.4
12.5°	1725.5	1754.3	1774.5	1791.6	1793.2	1804.7	1796.9
15°	1821.9	1852.4	1855.5	1868.1	1878.2	1877.1	1877.6
17.5°	1853.8	1863.5	1865.5	1865.8	1866.0	1862.3	1854.3
20°	1842.4	1838.7	1829.8	1823.0	1810.8	1809.3	1798.8
22.5°	1788.6	1776.9	1754.5	1739.7	1720.9	1715.9	1713.0
25°	1682.6	1656.8	1621.1	1586.9	1577.5	1559.1	1564.3
27.5°	1537.2	1497.1	1458.3	1430.6	1405.5	1377.9	1385.8
30°	1435.0	1389.8	1335.1	1293.1	1266.3	1240.0	1235.2
32.5°	1313.0	1246.8	1185.9	1148.8	1107.8	1091.2	1072.9
35°	1102.8	1038.2	977.7	925.7	895.7	872.6	851.5
37.5°	913.7	839.2	790.4	748.3	726.7	713.4	716.8
40°	796.4	731.2	695.5	663.4	643.4	633.9	636.0
42.5°	701.3	652.5	623.1	601.1	587.0	581.8	580.5
45°	593.4	566.1	541.9	529.3	522.5	516.7	513.0
47.5°	519.8	497.6	483.9	476.4	470.5	464.5	464.5
50°	475.7	461.0	451.5	443.6	438.9	434.7	438.4
52.5°	442.0	428.6	419.1	412.1	410.4	406.5	406.5
55°	392.1	381.6	374.8	368.4	365.4	363.2	360.6
57.5°	346.7	336.8	330.4	326.5	320.4	318.3	317.5
60°	314.3	306.4	300.2	294.9	292.2	288.0	288.0
62.5°	284.5	276.6	270.7	266.7	262.4	260.7	261.2
65°	241.3	235.0	229.2	225.0	223.9	220.8	221.8
67.5°	201.5	197.3	191.2	188.9	187.0	185.2	183.9
70°	175.1	170.9	167.7	164.5	163.0	163.0	163.0
72.5°	152.7	147.7	145.8	141.8	142.8	141.1	139.4
75°	118.3	115.1	113.5	111.9	109.3	109.3	109.3
77.5°	87.1	86.1	84.2	82.5	81.9	81.4	81.6
80°	67.3	66.8	65.7	65.7	64.6	64.2	63.1
82.5°	51.7	50.4	49.7	49.3	49.1	49.0	48.8
85°	29.5	28.4	28.4	28.9	27.9	27.9	28.4
87.5°	16.7	16.6	16.2	16.2	16.6	16.2	16.3
90°	26.6	26.3	26.1	26.4	26.5	26.7	26.9
92.5°	25.3	25.4	25.5	25.5	25.5	25.6	25.6
95°	50.6	50.6	50.4	50.1	49.7	49.4	49.0
97.5°	85.1	85.1	85.1	85.0	85.0	84.9	84.9
100°	109.1	109.1	109.0	108.8	108.7	108.4	108.3
102.5°	135.5	135.6	135.5	135.4	135.2	135.1	134.9
105°	175.0	175.3	175.5	175.5	175.5	175.5	175.5
107.5°	217.2	217.3	217.0	216.2	215.4	214.6	213.7
110°	245.9	245.9	245.6	245.1	244.5	244.0	243.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	274.3	273.9	273.5	273.1	272.7	272.4	272.0
115°	318.9	318.7	318.3	317.8	317.3	316.7	316.2
117.5°	361.5	361.0	360.5	360.0	359.5	358.9	358.5
120°	390.5	390.5	390.3	389.8	389.2	388.7	388.2
122.5°	419.6	419.2	418.8	418.4	418.0	417.6	417.2
125°	463.3	462.7	462.4	462.2	462.0	461.8	461.7
127.5°	505.6	505.0	504.4	503.8	503.3	502.7	502.2
130°	535.0	534.6	534.1	533.4	532.7	532.0	531.2
132.5°	562.8	562.0	561.3	560.8	560.2	559.7	559.1
135°	605.1	604.8	604.5	604.0	603.5	602.9	602.4
137.5°	645.0	644.8	644.4	643.7	643.0	642.3	641.6
140°	672.0	672.0	671.6	670.9	670.2	669.6	668.8
142.5°	696.4	696.6	696.3	695.6	694.9	694.2	693.5
145°	733.4	733.6	733.3	732.6	731.9	731.2	730.5
147.5°	766.0	766.4	766.2	765.6	764.9	764.2	763.5
150°	786.6	787.1	787.1	786.6	786.1	785.5	785.1
152.5°	807.2	807.9	807.9	807.2	806.6	806.0	805.3
155°	833.5	834.4	834.6	834.0	833.5	833.0	832.4
157.5°	857.9	859.0	859.2	858.4	857.5	856.7	855.9
160°	872.0	873.1	873.2	872.5	871.8	871.1	870.4
162.5°	885.0	886.2	886.5	885.6	884.7	883.9	883.0
165°	901.7	903.0	903.2	902.3	901.4	900.6	899.7
167.5°	915.5	916.7	916.9	916.0	915.0	914.2	913.2
170°	923.1	924.3	924.4	923.4	922.3	921.2	920.2
172.5°	928.8	930.0	930.1	929.1	928.0	926.9	925.9
175°	934.9	936.2	936.3	935.3	934.1	933.1	932.1
177.5°	937.5	938.3	938.3	937.5	936.6	935.7	934.9
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8

(END OF REPORT)