

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: P331717-935

Luminaire Tested: **SA2XXRDIP-C865D725U935-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331717-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 725 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

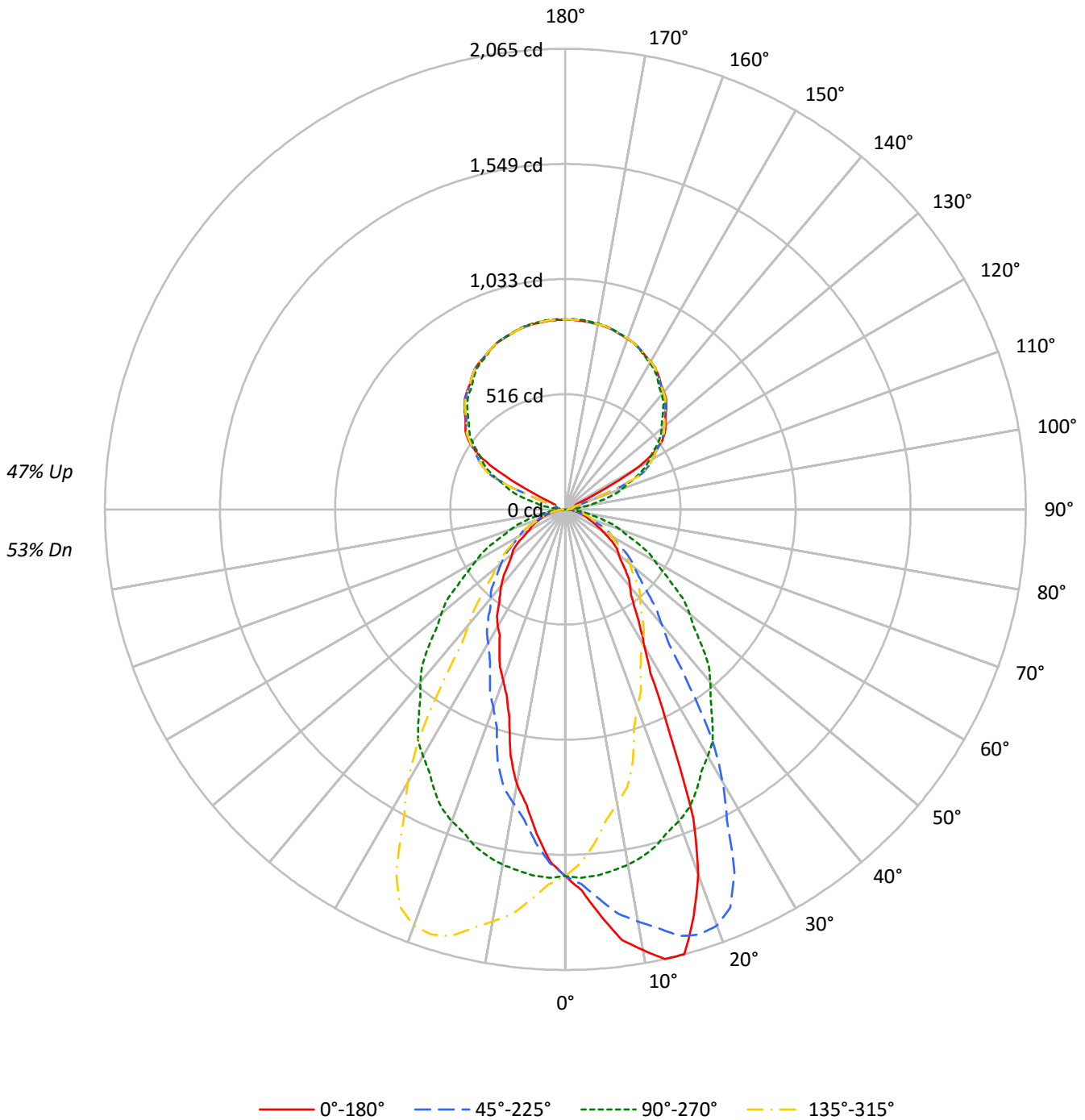
Lumens per Lamp: N/A  
Luminaire Lumens: 5338.0 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 54.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53				
1	99	95	92	88	92	89	85	83	76	74	72	64	63	61	54	52	52	46				
2	91	84	78	74	84	78	73	69	68	64	61	57	55	53	48	46	45	40				
3	84	75	68	62	78	70	64	59	60	56	52	52	48	46	44	41	39	35				
4	77	67	59	54	71	63	56	51	54	49	45	47	43	40	40	37	35	31				
5	71	60	52	47	66	56	50	44	49	44	40	42	38	35	36	33	31	28				
6	66	54	47	41	61	51	44	39	45	39	35	39	35	31	33	30	28	25				
7	61	50	42	37	57	47	40	35	41	35	32	36	31	28	31	27	25	23				
8	57	45	38	33	53	43	36	31	38	32	28	33	29	26	28	25	23	20				
9	53	42	34	30	50	39	33	28	35	29	26	30	26	23	26	23	21	19				
10	50	38	31	27	47	36	30	26	32	27	23	28	24	21	25	21	19	17				

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

	0°	90°	180°	270°
0°	26547	26547	26547	26547
5°	29648	26712	23686	26712
10°	32893	26525	20530	26525
15°	34511	26136	16177	26136
20°	29919	25560	13998	25560
25°	19621	24772	12497	24772
30°	13207	23815	11311	23815
35°	10697	22610	10200	22610
40°	9512	21300	9440	21300
45°	8608	19763	8426	19763
50°	7834	18239	7804	18239
55°	7367	16549	7268	16549
60°	6161	14996	6090	14996
65°	5196	13620	5891	13620
70°	4801	12161	5556	12161
75°	4492	10586	5128	10586
80°	4147	8712	4575	8712
85°	3816	6873	4020	6873



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.9	2.9
10°-20°	434.3	8.1
20°-30°	559.6	10.5
30°-40°	531.8	10.0
40°-50°	455.6	8.5
50°-60°	346.9	6.5
60°-70°	219.3	4.1
70°-80°	109.5	2.1
80°-90°	30.6	0.6
90°-100°	28.4	0.5
100°-110°	104.1	2.0
110°-120°	278.3	5.2
120°-130°	459.4	8.6
130°-140°	488.6	9.2
140°-150°	454.1	8.5
150°-160°	365.1	6.8
160°-170°	235.3	4.4
170°-180°	81.0	1.5
0°-30°	1149.8	21.5
0°-40°	1681.6	31.5
0°-60°	2484.1	46.5
0°-90°	2843.6	53.3
90°-120°	410.8	7.7
90°-150°	1813.0	34.0
90°-180°	2494.0	46.7
0°-180°	5338.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1644	1644	1644	1644	1644	
5°	1829	1648	1461	1648	1829	181
15°	2065	1564	968	1564	2065	557
25°	1101	1390	702	1390	1101	523
35°	543	1147	518	1147	543	347
45°	377	866	369	866	377	292
55°	262	588	258	588	262	230
65°	136	356	154	356	136	138
75°	72	170	82	170	72	76
85°	21	37	22	37	21	23
90°	17	1	17	1	17	8
95°	26	40	26	40	26	25
105°	47	187	47	187	47	49
115°	50	354	50	354	50	126
125°	527	501	527	501	527	456
135°	640	620	640	620	640	493
145°	730	719	730	719	730	456
155°	792	791	792	791	792	365
165°	832	834	832	834	832	235
175°	848	853	848	853	848	81
180°	851	851	851	851	851	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1710.9	1712.3	1713.6	1710.4	1710.4	1707.7	1701.8	1697.2	1684.4	1682.6	1682.6
5°	1829.3	1828.1	1830.4	1823.0	1812.7	1810.4	1799.6	1785.3	1770.4	1753.9	1750.4
7.5°	1946.9	1945.2	1940.6	1939.4	1931.5	1914.3	1896.8	1878.2	1853.5	1829.4	1817.2
10°	2006.3	2025.2	2013.8	1993.7	1997.8	1970.9	1956.6	1932.1	1911.5	1875.5	1867.5
12.5°	2064.9	2072.3	2068.6	2057.3	2052.2	2033.5	2014.2	1992.9	1954.9	1922.6	1894.5
15°	2064.6	2075.4	2078.3	2074.9	2077.8	2076.6	2066.3	2048.6	2015.5	1980.0	1949.2
17.5°	1912.2	1919.8	1938.5	1951.1	1967.1	2001.0	2017.7	2024.1	2019.2	1999.0	1977.3
20°	1741.3	1728.7	1781.2	1808.1	1830.9	1888.1	1937.2	1956.1	1986.3	1985.8	1980.0
22.5°	1499.0	1502.0	1551.9	1583.7	1650.5	1707.5	1763.6	1834.5	1893.1	1931.8	1954.5
25°	1101.4	1123.2	1172.9	1216.2	1290.6	1396.8	1493.3	1605.3	1711.0	1794.4	1873.8
27.5°	827.2	828.8	868.2	908.4	952.4	1039.5	1161.1	1294.8	1445.4	1569.8	1712.8
30°	708.4	705.0	721.5	746.1	783.8	851.2	942.6	1074.0	1224.3	1411.6	1578.5
32.5°	624.3	624.5	637.0	655.1	686.5	731.9	794.5	901.3	1043.3	1227.4	1423.1
35°	542.7	542.2	551.3	564.4	577.6	606.7	649.5	705.5	803.2	975.2	1175.1
37.5°	484.2	486.7	491.2	499.4	513.9	530.1	555.9	593.5	663.1	764.7	932.8
40°	451.3	452.5	458.7	465.6	474.2	486.7	507.9	538.1	589.0	670.1	792.9
42.5°	421.1	422.3	426.7	433.2	439.9	452.5	469.9	496.1	537.4	600.6	702.0
45°	377.0	377.0	381.1	383.9	391.3	402.8	417.1	438.8	467.3	514.2	581.6
47.5°	335.7	335.8	338.5	343.4	348.0	357.0	371.0	388.7	409.5	445.7	503.3
50°	311.9	312.5	314.2	318.2	321.1	329.1	339.9	355.3	377.0	405.0	453.1
52.5°	292.7	292.4	294.5	296.3	298.3	303.9	312.0	325.6	345.1	369.4	409.1
55°	261.7	259.3	262.8	265.6	267.3	269.7	274.2	282.8	299.4	319.9	349.7
57.5°	222.8	221.9	224.3	226.9	232.3	238.4	242.4	247.8	256.4	271.1	300.6
60°	190.8	190.8	196.0	197.7	204.0	212.0	220.0	224.5	233.1	242.8	264.5
62.5°	162.5	162.9	165.3	167.0	170.6	180.4	191.6	201.6	209.7	219.0	233.4
65°	136.0	137.1	137.1	138.3	140.5	142.8	147.4	155.4	169.7	182.8	193.6
67.5°	115.4	115.7	116.1	117.3	117.8	120.3	122.2	125.7	129.0	141.5	154.9
70°	101.7	103.4	102.8	104.0	104.5	105.6	108.0	109.7	114.9	117.7	125.7
72.5°	88.9	90.1	90.1	90.7	92.2	92.5	94.3	96.0	99.3	101.7	106.0
75°	72.0	71.4	72.0	73.1	73.7	74.3	74.3	76.5	78.3	80.6	83.4
77.5°	55.5	56.1	56.0	56.1	56.2	57.3	57.2	58.1	59.8	61.0	62.4
80°	44.6	45.1	44.6	45.1	45.7	46.2	45.7	46.2	48.0	49.2	49.2
82.5°	34.5	34.6	35.0	35.0	35.2	35.3	36.1	36.2	37.5	37.3	37.7
85°	20.6	20.0	20.0	20.0	20.6	21.1	20.6	20.6	21.1	21.1	21.1
87.5°	10.7	11.0	11.0	10.9	10.8	10.8	10.7	10.9	10.3	10.7	10.0
90°	16.6	16.4	16.1	15.8	15.5	15.1	14.4	13.7	13.0	12.3	11.2
92.5°	16.6	16.4	16.3	16.1	16.0	15.7	15.3	15.0	14.6	14.3	13.8
95°	26.5	26.6	26.8	26.9	27.0	26.8	26.1	25.4	24.7	24.0	23.1
97.5°	35.4	35.2	35.0	34.9	34.7	34.4	33.8	33.2	32.7	32.1	30.0
100°	41.2	41.0	40.7	40.5	40.2	39.5	38.4	37.3	36.2	35.1	32.8
102.5°	44.3	43.8	43.5	43.0	42.7	41.8	40.4	38.9	37.5	36.1	55.5
105°	46.8	46.2	45.7	45.2	44.6	43.6	42.1	40.6	39.1	37.5	74.9
107.5°	48.1	47.6	47.1	46.5	46.0	46.5	48.0	49.5	51.1	52.6	97.4
110°	48.6	48.1	47.5	47.0	46.5	53.0	66.7	80.4	94.1	107.8	147.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	49.2	48.7	48.3	47.9	47.4	72.2	122.1	172.0	222.0	271.8	281.6
115°	50.5	60.4	70.2	80.1	89.9	126.6	189.9	253.3	316.7	380.0	376.6
117.5°	206.2	238.6	271.0	303.3	335.7	359.6	374.9	390.3	405.6	420.9	418.5
120°	375.7	394.2	412.7	431.1	449.6	458.1	456.4	454.8	453.1	451.4	449.0
122.5°	468.8	472.4	476.0	479.6	483.2	484.5	483.5	482.5	481.5	480.5	477.9
125°	526.6	526.2	525.8	525.4	525.0	524.3	523.3	522.4	521.4	520.5	517.8
127.5°	563.1	563.0	562.9	562.8	562.7	562.0	560.6	559.2	557.8	556.4	554.5
130°	585.7	585.8	586.0	586.2	586.3	585.6	584.1	582.6	581.1	579.5	578.1
132.5°	607.9	608.0	608.2	608.3	608.5	607.9	606.6	605.3	604.0	602.7	601.2
135°	639.9	640.2	640.5	640.8	641.0	640.5	639.1	637.7	636.4	635.0	633.8
137.5°	669.1	669.6	670.0	670.5	671.0	670.5	669.2	667.9	666.5	665.2	663.7
140°	687.3	688.0	688.7	689.4	690.1	689.8	688.5	687.3	686.1	684.9	683.4
142.5°	705.1	705.8	706.5	707.1	707.8	707.6	706.5	705.3	704.2	703.1	701.4
145°	729.9	730.6	731.2	731.9	732.5	732.5	731.5	730.6	729.6	728.6	726.3
147.5°	751.7	752.3	752.8	753.4	754.0	753.9	753.2	752.4	751.7	751.1	748.7
150°	764.9	765.6	766.3	767.0	767.7	767.6	766.8	765.9	765.2	764.3	762.2
152.5°	776.3	777.2	778.1	779.0	779.9	780.0	779.1	778.3	777.5	776.6	774.6
155°	792.0	793.2	794.3	795.3	796.4	796.6	795.7	795.0	794.1	793.2	791.6
157.5°	806.5	807.5	808.6	809.7	810.7	810.8	809.9	808.9	808.0	807.1	805.9
160°	814.9	815.8	816.7	817.7	818.6	818.7	817.9	817.1	816.3	815.5	814.6
162.5°	821.7	822.9	824.1	825.3	826.5	826.6	825.6	824.7	823.8	822.9	822.2
165°	832.1	833.0	834.0	835.0	835.9	835.9	835.0	834.0	833.0	832.1	831.6
167.5°	838.6	839.8	841.1	842.3	843.5	843.7	842.7	841.8	840.8	839.8	839.5
170°	842.6	843.8	845.0	846.3	847.5	847.7	846.6	845.7	844.7	843.8	843.5
172.5°	845.5	846.7	848.0	849.2	850.4	850.6	849.6	848.7	847.7	846.7	846.4
175°	848.1	849.5	850.8	852.2	853.6	853.8	852.8	851.9	850.9	850.0	849.6
177.5°	849.7	850.7	851.7	852.6	853.7	853.8	853.0	852.2	851.4	850.7	850.6
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1683.4	1679.8	1676.6	1668.4	1664.2	1655.1	1653.7	1653.3	1641.4	1630.0	1626.8
5°	1741.3	1732.2	1718.4	1702.5	1685.8	1668.7	1657.3	1648.1	1625.3	1603.6	1591.0
7.5°	1799.6	1779.9	1756.3	1726.0	1700.7	1672.4	1651.3	1632.5	1600.1	1569.0	1548.1
10°	1843.0	1810.9	1779.5	1737.8	1705.3	1673.3	1643.6	1617.9	1581.3	1540.2	1511.1
12.5°	1869.9	1834.7	1791.4	1750.7	1708.5	1667.8	1628.1	1595.0	1552.0	1509.6	1474.9
15°	1906.3	1868.6	1816.1	1757.8	1703.6	1650.5	1604.7	1563.6	1507.6	1456.7	1414.5
17.5°	1936.2	1884.3	1827.9	1760.5	1697.6	1630.1	1571.2	1518.7	1456.4	1395.1	1345.2
20°	1945.8	1894.4	1829.3	1761.9	1687.6	1608.2	1544.7	1487.6	1420.7	1353.9	1296.8
22.5°	1939.8	1899.9	1827.4	1746.7	1670.7	1587.6	1516.0	1449.7	1375.5	1307.3	1241.0
25°	1899.5	1885.8	1817.2	1729.2	1642.4	1545.9	1463.0	1390.5	1306.0	1232.9	1160.8
27.5°	1805.5	1835.0	1792.6	1698.8	1602.3	1498.8	1405.7	1323.1	1235.4	1153.1	1081.3
30°	1715.0	1783.0	1764.7	1677.8	1569.9	1468.2	1363.7	1277.4	1183.7	1099.2	1028.3
32.5°	1591.1	1703.4	1721.3	1648.6	1537.0	1425.2	1315.7	1229.9	1132.0	1042.9	973.9
35°	1394.0	1561.9	1639.0	1592.8	1480.7	1360.2	1247.1	1147.1	1048.9	960.9	892.3
37.5°	1158.6	1387.4	1516.0	1519.2	1416.4	1291.1	1167.9	1068.7	968.1	881.8	807.5
40°	1006.0	1254.0	1421.3	1458.4	1371.7	1236.2	1111.7	1010.6	912.3	827.8	742.7
42.5°	868.9	1115.9	1321.7	1386.3	1317.2	1182.8	1057.8	952.1	856.6	776.6	689.7
45°	702.7	918.6	1145.4	1260.8	1222.5	1098.0	966.0	865.5	775.8	706.7	623.3
47.5°	592.8	744.9	964.4	1120.5	1119.8	1006.2	876.3	780.1	696.8	632.1	564.6
50°	530.1	662.7	848.3	1025.5	1040.3	944.9	821.5	726.1	648.4	580.4	526.2
52.5°	473.9	583.2	750.1	919.9	962.2	879.5	759.8	671.8	596.3	533.8	487.3
55°	400.5	485.0	611.8	770.7	834.7	776.4	670.1	587.9	526.8	474.2	434.2
57.5°	338.8	402.2	503.9	631.8	706.4	669.7	582.0	515.2	462.9	415.3	383.7
60°	299.9	351.9	438.2	545.0	627.2	601.6	526.8	464.4	419.9	378.8	349.0
62.5°	263.4	308.1	381.9	468.6	544.1	533.5	472.3	420.1	381.1	343.5	318.4
65°	212.0	244.5	302.2	370.2	430.8	435.9	391.9	356.5	321.7	292.0	269.7
67.5°	168.8	190.0	230.7	287.9	333.3	349.5	322.6	295.6	267.9	245.0	225.7
70°	142.2	159.4	189.1	235.4	277.1	294.2	278.8	257.6	233.7	214.8	198.2
72.5°	115.3	132.0	153.9	187.9	223.6	242.1	236.8	221.5	202.1	186.5	170.8
75°	86.9	92.0	106.9	129.7	157.6	173.7	177.7	169.7	154.2	142.2	133.1
77.5°	64.2	67.3	74.4	86.4	104.7	118.9	124.8	123.8	113.2	106.2	97.7
80°	51.4	53.1	56.6	61.7	75.4	89.7	93.7	93.7	86.3	83.4	74.8
82.5°	39.1	40.3	42.4	45.2	51.7	64.1	68.5	69.5	64.7	61.0	54.2
85°	22.3	21.7	22.8	24.5	25.7	29.1	36.0	37.1	36.0	31.4	29.7
87.5°	9.8	10.1	9.8	9.1	9.2	9.4	11.4	13.3	11.9	10.8	10.2
90°	10.2	9.0	7.9	6.6	5.2	3.6	2.2	0.6	2.2	3.6	5.2
92.5°	13.2	12.7	12.1	11.9	12.1	12.1	12.3	12.4	12.3	12.1	12.1
95°	22.1	21.2	20.1	22.0	26.5	31.0	35.6	40.0	35.6	31.0	26.5
97.5°	27.7	25.5	23.2	28.5	41.2	54.0	66.7	79.5	66.7	54.0	41.2
100°	30.5	28.2	25.8	34.0	52.8	71.5	90.2	109.0	90.2	71.5	52.8
102.5°	75.0	94.5	113.9	125.6	129.7	133.6	137.6	141.5	137.6	133.6	129.7
105°	112.3	149.6	187.0	203.6	199.6	195.4	191.3	187.3	191.3	195.4	199.6
107.5°	142.2	187.0	231.9	252.6	249.3	246.0	242.6	239.4	242.6	246.0	249.3
110°	186.9	226.4	266.0	284.3	281.5	278.6	275.7	272.9	275.7	278.6	281.5





TEST NUMBER: P331717-935

CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	291.4	301.2	310.9	314.5	312.0	309.4	306.9	304.4	306.9	309.4	312.0
115°	373.2	369.7	366.4	363.4	361.1	358.8	356.5	354.1	356.5	358.8	361.1
117.5°	416.2	413.9	411.5	409.0	406.4	403.8	401.2	398.6	401.2	403.8	406.4
120°	446.5	444.1	441.6	439.4	437.3	435.2	433.2	431.1	433.2	435.2	437.3
122.5°	475.2	472.5	469.8	467.4	465.2	463.0	460.9	458.7	460.9	463.0	465.2
125°	515.2	512.6	510.1	507.8	506.1	504.3	502.5	500.8	502.5	504.3	506.1
127.5°	552.5	550.6	548.6	546.6	544.7	542.8	540.8	538.8	540.8	542.8	544.7
130°	576.5	575.1	573.5	571.7	569.5	567.3	565.2	562.9	565.2	567.3	569.5
132.5°	599.7	598.2	596.7	595.0	593.1	591.3	589.4	587.5	589.4	591.3	593.1
135°	632.5	631.3	630.1	628.4	626.2	624.0	621.8	619.6	621.8	624.0	626.2
137.5°	662.4	661.0	659.6	658.1	656.6	655.0	653.5	652.0	653.5	655.0	656.6
140°	681.9	680.4	678.9	677.5	676.5	675.4	674.2	673.2	674.2	675.4	676.5
142.5°	699.6	697.9	696.2	694.8	693.9	692.9	691.9	691.0	691.9	692.9	693.9
145°	723.9	721.6	719.3	718.2	718.3	718.5	718.6	718.8	718.6	718.5	718.3
147.5°	746.4	744.2	741.8	741.0	741.5	742.0	742.5	743.0	742.5	742.0	741.5
150°	759.9	757.8	755.6	754.9	756.0	756.9	757.9	758.8	757.9	756.9	756.0
152.5°	772.5	770.4	768.4	767.8	768.9	770.0	771.0	772.1	771.0	770.0	768.9
155°	790.0	788.3	786.7	786.5	787.7	788.9	790.2	791.4	790.2	788.9	787.7
157.5°	804.8	803.7	802.5	802.5	803.5	804.5	805.6	806.6	805.6	804.5	803.5
160°	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5	814.6	813.8	813.0
162.5°	821.4	820.7	820.0	820.0	820.9	821.7	822.5	823.4	822.5	821.7	820.9
165°	831.3	830.9	830.4	830.6	831.5	832.3	833.1	834.0	833.1	832.3	831.5
167.5°	839.0	838.7	838.3	838.5	839.4	840.2	841.0	841.8	841.0	840.2	839.4
170°	843.3	843.0	842.7	843.0	843.8	844.6	845.4	846.3	845.4	844.6	843.8
172.5°	846.2	845.9	845.7	845.9	846.7	847.6	848.3	849.2	848.3	847.6	846.7
175°	849.4	849.1	848.9	849.2	850.2	851.1	852.0	853.0	852.0	851.1	850.2
177.5°	850.5	850.3	850.2	850.6	851.4	852.1	852.9	853.7	852.9	852.1	851.4
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331717-935  
 CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1620.8	1617.6	1611.7	1602.6	1597.1	1587.5	1581.1	1584.8	1585.6	1584.8	1583.8
5°	1577.3	1565.3	1548.8	1532.8	1517.9	1501.9	1492.7	1488.8	1480.7	1476.2	1473.9
7.5°	1524.7	1504.0	1480.5	1452.7	1429.0	1404.2	1391.5	1385.3	1368.9	1359.9	1352.2
10°	1485.3	1452.8	1429.3	1392.8	1370.5	1337.9	1315.7	1316.2	1293.9	1281.3	1272.2
12.5°	1441.9	1406.2	1367.2	1334.3	1303.3	1277.1	1250.3	1239.4	1215.8	1203.7	1179.0
15°	1369.9	1328.3	1287.1	1242.5	1211.1	1170.5	1131.7	1084.3	1046.0	1012.9	1003.8
17.5°	1291.3	1239.7	1198.4	1146.1	1092.3	1024.1	979.0	951.5	928.4	910.9	897.9
20°	1237.4	1184.8	1140.8	1062.0	989.5	943.2	910.1	888.9	865.0	846.1	835.8
22.5°	1180.7	1125.8	1065.9	977.9	921.4	884.2	854.7	830.4	814.2	799.4	790.1
25°	1100.3	1040.3	941.5	880.9	835.2	796.3	775.8	761.0	743.8	723.8	714.6
27.5°	1015.3	919.9	848.9	803.9	760.3	735.0	716.5	694.3	679.0	670.0	660.5
30°	951.7	856.4	800.9	751.8	720.9	692.9	671.2	658.7	643.9	628.4	622.2
32.5°	880.9	804.7	751.6	710.7	679.3	655.5	638.3	618.0	607.3	597.8	584.6
35°	792.9	735.2	686.6	653.6	623.9	604.4	584.4	572.4	553.0	545.0	539.8
37.5°	718.4	668.4	632.1	597.2	573.7	552.2	539.9	520.9	512.5	501.4	490.5
40°	676.4	627.2	592.5	563.9	537.6	521.6	506.2	490.8	478.2	473.0	459.9
42.5°	633.4	593.5	558.6	527.3	509.7	492.8	473.3	461.9	448.9	440.6	432.5
45°	574.1	538.7	509.0	483.3	463.9	446.2	433.6	414.7	407.3	390.7	383.9
47.5°	522.0	489.1	460.8	436.4	417.4	405.9	387.4	372.7	360.8	350.7	341.8
50°	485.0	457.6	430.2	408.5	391.3	374.8	355.9	348.4	330.2	325.0	319.9
52.5°	451.2	425.2	400.0	378.8	361.6	345.5	328.9	319.3	306.9	301.8	298.0
55°	403.9	378.8	354.7	335.9	318.7	302.2	292.0	279.9	274.2	270.2	265.6
57.5°	356.4	333.7	315.4	296.3	279.1	265.9	254.0	246.8	240.8	235.6	230.1
60°	326.2	304.4	287.9	270.2	252.5	241.7	232.5	223.9	217.1	209.1	206.8
62.5°	294.2	275.3	260.0	242.8	227.4	217.4	208.7	200.6	192.4	180.7	177.5
65°	250.2	235.4	219.4	205.1	191.4	181.7	169.1	160.0	156.5	155.4	154.8
67.5°	210.4	196.4	182.7	168.1	155.6	146.6	140.2	138.8	136.4	135.7	134.1
70°	183.9	170.8	157.1	143.4	131.4	129.7	127.4	125.1	122.3	121.1	119.9
72.5°	160.1	146.6	132.9	121.9	116.8	114.6	112.3	110.0	108.1	106.9	106.2
75°	122.9	110.3	101.1	97.1	94.3	92.6	89.1	87.4	86.3	84.6	83.9
77.5°	88.4	81.4	77.1	74.6	71.6	69.8	67.8	66.1	64.9	64.6	63.6
80°	67.4	64.0	61.1	57.7	56.6	54.2	53.7	52.0	52.5	50.9	50.9
82.5°	52.3	48.0	45.5	44.0	42.9	41.0	40.5	39.6	39.8	38.5	38.5
85°	26.9	25.7	24.5	23.4	23.4	21.7	22.3	21.7	21.7	20.6	20.0
87.5°	10.0	9.8	9.1	9.3	9.6	9.3	9.5	9.1	9.3	9.4	9.0
90°	6.6	7.9	9.0	10.2	11.2	12.3	13.0	13.7	14.4	15.1	15.5
92.5°	11.9	12.1	12.7	13.2	13.8	14.3	14.6	15.0	15.3	15.7	16.0
95°	22.0	20.1	21.2	22.1	23.1	24.0	24.7	25.4	26.1	26.8	27.0
97.5°	28.5	23.2	25.5	27.7	30.0	32.1	32.7	33.2	33.8	34.4	34.7
100°	34.0	25.8	28.2	30.5	32.8	35.1	36.2	37.3	38.4	39.5	40.2
102.5°	125.6	113.9	94.5	75.0	55.5	36.1	37.5	38.9	40.4	41.8	42.7
105°	203.6	187.0	149.6	112.3	74.9	37.5	39.1	40.6	42.1	43.6	44.6
107.5°	252.6	231.9	187.0	142.2	97.4	52.6	51.1	49.5	48.0	46.5	46.0
110°	284.3	266.0	226.4	186.9	147.3	107.8	94.1	80.4	66.7	53.0	46.5



TEST NUMBER: P331717-935

CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	314.5	310.9	301.2	291.4	281.6	271.8	222.0	172.0	122.1	72.2	47.4
115°	363.4	366.4	369.7	373.2	376.6	380.0	316.7	253.3	189.9	126.6	89.9
117.5°	409.0	411.5	413.9	416.2	418.5	420.9	405.6	390.3	374.9	359.6	335.7
120°	439.4	441.6	444.1	446.5	449.0	451.4	453.1	454.8	456.4	458.1	449.6
122.5°	467.4	469.8	472.5	475.2	477.9	480.5	481.5	482.5	483.5	484.5	483.2
125°	507.8	510.1	512.6	515.2	517.8	520.5	521.4	522.4	523.3	524.3	525.0
127.5°	546.6	548.6	550.6	552.5	554.5	556.4	557.8	559.2	560.6	562.0	562.7
130°	571.7	573.5	575.1	576.5	578.1	579.5	581.1	582.6	584.1	585.6	586.3
132.5°	595.0	596.7	598.2	599.7	601.2	602.7	604.0	605.3	606.6	607.9	608.5
135°	628.4	630.1	631.3	632.5	633.8	635.0	636.4	637.7	639.1	640.5	641.0
137.5°	658.1	659.6	661.0	662.4	663.7	665.2	666.5	667.9	669.2	670.5	671.0
140°	677.5	678.9	680.4	681.9	683.4	684.9	686.1	687.3	688.5	689.8	690.1
142.5°	694.8	696.2	697.9	699.6	701.4	703.1	704.2	705.3	706.5	707.6	707.8
145°	718.2	719.3	721.6	723.9	726.3	728.6	729.6	730.6	731.5	732.5	732.5
147.5°	741.0	741.8	744.2	746.4	748.7	751.1	751.7	752.4	753.2	753.9	754.0
150°	754.9	755.6	757.8	759.9	762.2	764.3	765.2	765.9	766.8	767.6	767.7
152.5°	767.8	768.4	770.4	772.5	774.6	776.6	777.5	778.3	779.1	780.0	779.9
155°	786.5	786.7	788.3	790.0	791.6	793.2	794.1	795.0	795.7	796.6	796.4
157.5°	802.5	802.5	803.7	804.8	805.9	807.1	808.0	808.9	809.9	810.8	810.7
160°	812.2	812.2	813.0	813.8	814.6	815.5	816.3	817.1	817.9	818.7	818.6
162.5°	820.0	820.0	820.7	821.4	822.2	822.9	823.8	824.7	825.6	826.6	826.5
165°	830.6	830.4	830.9	831.3	831.6	832.1	833.0	834.0	835.0	835.9	835.9
167.5°	838.5	838.3	838.7	839.0	839.5	839.8	840.8	841.8	842.7	843.7	843.5
170°	843.0	842.7	843.0	843.3	843.5	843.8	844.7	845.7	846.6	847.7	847.5
172.5°	845.9	845.7	845.9	846.2	846.4	846.7	847.7	848.7	849.6	850.6	850.4
175°	849.2	848.9	849.1	849.4	849.6	850.0	850.9	851.9	852.8	853.8	853.6
177.5°	850.6	850.2	850.3	850.5	850.6	850.7	851.4	852.2	853.0	853.8	853.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331717-935

CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1578.8	1579.7	1578.3	1579.2	1578.3	1579.7	1578.8	1583.8	1584.8	1585.6	1584.8
5°	1471.0	1464.2	1463.0	1461.4	1463.0	1464.2	1471.0	1473.9	1476.2	1480.7	1488.8
7.5°	1342.4	1341.4	1338.5	1334.6	1338.5	1341.4	1342.4	1352.2	1359.9	1368.9	1385.3
10°	1259.6	1256.8	1256.3	1252.2	1256.3	1256.8	1259.6	1272.2	1281.3	1293.9	1316.2
12.5°	1162.8	1144.4	1142.5	1132.5	1142.5	1144.4	1162.8	1179.0	1203.7	1215.8	1239.4
15°	990.1	986.6	975.2	967.8	975.2	986.6	990.1	1003.8	1012.9	1046.0	1084.3
17.5°	891.3	880.1	876.6	874.9	876.6	880.1	891.3	897.9	910.9	928.4	951.5
20°	827.8	817.5	815.8	814.7	815.8	817.5	827.8	835.8	846.1	865.0	888.9
22.5°	783.9	773.2	768.7	765.3	768.7	773.2	783.9	790.1	799.4	814.2	830.4
25°	708.9	705.0	702.7	701.5	702.7	705.0	708.9	714.6	723.8	743.8	761.0
27.5°	650.3	641.5	639.8	636.9	639.8	641.5	650.3	660.5	670.0	679.0	694.3
30°	617.0	614.2	610.1	606.7	610.1	614.2	617.0	622.2	628.4	643.9	658.7
32.5°	577.6	575.3	571.7	570.2	571.7	575.3	577.6	584.6	597.8	607.3	618.0
35°	534.2	526.2	522.7	517.5	522.7	526.2	534.2	539.8	545.0	553.0	572.4
37.5°	488.1	483.9	479.1	480.8	479.1	483.9	488.1	490.5	501.4	512.5	520.9
40°	452.5	449.6	448.5	447.9	448.5	449.6	452.5	459.9	473.0	478.2	490.8
42.5°	424.1	416.2	413.3	413.1	413.3	416.2	424.1	432.5	440.6	448.9	461.9
45°	381.1	373.6	368.5	369.0	368.5	373.6	381.1	383.9	390.7	407.3	414.7
47.5°	336.9	336.7	333.6	334.6	333.6	336.7	336.9	341.8	350.7	360.8	372.7
50°	315.9	312.5	310.2	310.7	310.2	312.5	315.9	319.9	325.0	330.2	348.4
52.5°	295.8	292.8	291.0	293.4	291.0	292.8	295.8	298.0	301.8	306.9	319.3
55°	262.8	259.3	258.8	258.2	258.8	259.3	262.8	265.6	270.2	274.2	279.9
57.5°	225.9	223.6	220.2	218.7	220.2	223.6	225.9	230.1	235.6	240.8	246.8
60°	199.4	194.8	189.1	188.6	189.1	194.8	199.4	206.8	209.1	217.1	223.9
62.5°	175.1	174.3	173.1	173.0	173.1	174.3	175.1	177.5	180.7	192.4	200.6
65°	153.7	153.1	153.7	154.2	153.7	153.1	153.7	154.8	155.4	156.5	160.0
67.5°	133.9	132.9	131.8	132.3	131.8	132.9	133.9	134.1	135.7	136.4	138.8
70°	118.8	118.2	117.7	117.7	117.7	118.2	118.8	119.9	121.1	122.3	125.1
72.5°	104.2	104.1	103.5	103.1	103.5	104.1	104.2	106.2	106.9	108.1	110.0
75°	83.4	82.2	82.2	82.2	82.2	82.2	83.4	83.9	84.6	86.3	87.4
77.5°	63.5	62.9	62.4	61.9	62.4	62.9	63.5	63.6	64.6	64.9	66.1
80°	50.3	49.7	49.2	49.2	49.2	49.7	50.3	50.9	50.9	52.5	52.0
82.5°	38.4	37.8	37.7	37.3	37.7	37.8	38.4	38.5	38.5	39.8	39.6
85°	20.6	21.1	20.6	21.7	20.6	21.1	20.6	20.0	20.6	21.7	21.7
87.5°	9.1	8.7	9.2	8.8	9.2	8.7	9.1	9.0	9.4	9.3	9.1
90°	15.8	16.1	16.4	16.6	16.4	16.1	15.8	15.5	15.1	14.4	13.7
92.5°	16.1	16.3	16.4	16.6	16.4	16.3	16.1	16.0	15.7	15.3	15.0
95°	26.9	26.8	26.6	26.5	26.6	26.8	26.9	27.0	26.8	26.1	25.4
97.5°	34.9	35.0	35.2	35.4	35.2	35.0	34.9	34.7	34.4	33.8	33.2
100°	40.5	40.7	41.0	41.2	41.0	40.7	40.5	40.2	39.5	38.4	37.3
102.5°	43.0	43.5	43.8	44.3	43.8	43.5	43.0	42.7	41.8	40.4	38.9
105°	45.2	45.7	46.2	46.8	46.2	45.7	45.2	44.6	43.6	42.1	40.6
107.5°	46.5	47.1	47.6	48.1	47.6	47.1	46.5	46.0	46.5	48.0	49.5
110°	47.0	47.5	48.1	48.6	48.1	47.5	47.0	46.5	53.0	66.7	80.4



TEST NUMBER: P331717-935

CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	47.9	48.3	48.7	49.2	48.7	48.3	47.9	47.4	72.2	122.1	172.0
115°	80.1	70.2	60.4	50.5	60.4	70.2	80.1	89.9	126.6	189.9	253.3
117.5°	303.3	271.0	238.6	206.2	238.6	271.0	303.3	335.7	359.6	374.9	390.3
120°	431.1	412.7	394.2	375.7	394.2	412.7	431.1	449.6	458.1	456.4	454.8
122.5°	479.6	476.0	472.4	468.8	472.4	476.0	479.6	483.2	484.5	483.5	482.5
125°	525.4	525.8	526.2	526.6	526.2	525.8	525.4	525.0	524.3	523.3	522.4
127.5°	562.8	562.9	563.0	563.1	563.0	562.9	562.8	562.7	562.0	560.6	559.2
130°	586.2	586.0	585.8	585.7	585.8	586.0	586.2	586.3	585.6	584.1	582.6
132.5°	608.3	608.2	608.0	607.9	608.0	608.2	608.3	608.5	607.9	606.6	605.3
135°	640.8	640.5	640.2	639.9	640.2	640.5	640.8	641.0	640.5	639.1	637.7
137.5°	670.5	670.0	669.6	669.1	669.6	670.0	670.5	671.0	670.5	669.2	667.9
140°	689.4	688.7	688.0	687.3	688.0	688.7	689.4	690.1	689.8	688.5	687.3
142.5°	707.1	706.5	705.8	705.1	705.8	706.5	707.1	707.8	707.6	706.5	705.3
145°	731.9	731.2	730.6	729.9	730.6	731.2	731.9	732.5	732.5	731.5	730.6
147.5°	753.4	752.8	752.3	751.7	752.3	752.8	753.4	754.0	753.9	753.2	752.4
150°	767.0	766.3	765.6	764.9	765.6	766.3	767.0	767.7	767.6	766.8	765.9
152.5°	779.0	778.1	777.2	776.3	777.2	778.1	779.0	779.9	780.0	779.1	778.3
155°	795.3	794.3	793.2	792.0	793.2	794.3	795.3	796.4	796.6	795.7	795.0
157.5°	809.7	808.6	807.5	806.5	807.5	808.6	809.7	810.7	810.8	809.9	808.9
160°	817.7	816.7	815.8	814.9	815.8	816.7	817.7	818.6	818.7	817.9	817.1
162.5°	825.3	824.1	822.9	821.7	822.9	824.1	825.3	826.5	826.6	825.6	824.7
165°	835.0	834.0	833.0	832.1	833.0	834.0	835.0	835.9	835.9	835.0	834.0
167.5°	842.3	841.1	839.8	838.6	839.8	841.1	842.3	843.5	843.7	842.7	841.8
170°	846.3	845.0	843.8	842.6	843.8	845.0	846.3	847.5	847.7	846.6	845.7
172.5°	849.2	848.0	846.7	845.5	846.7	848.0	849.2	850.4	850.6	849.6	848.7
175°	852.2	850.8	849.5	848.1	849.5	850.8	852.2	853.6	853.8	852.8	851.9
177.5°	852.6	851.7	850.7	849.7	850.7	851.7	852.6	853.7	853.8	853.0	852.2
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331717-935

CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1581.1	1587.5	1597.1	1602.6	1611.7	1617.6	1620.8	1626.8	1630.0	1641.4	1653.3
5°	1492.7	1501.9	1517.9	1532.8	1548.8	1565.3	1577.3	1591.0	1603.6	1625.3	1648.1
7.5°	1391.5	1404.2	1429.0	1452.7	1480.5	1504.0	1524.7	1548.1	1569.0	1600.1	1632.5
10°	1315.7	1337.9	1370.5	1392.8	1429.3	1452.8	1485.3	1511.1	1540.2	1581.3	1617.9
12.5°	1250.3	1277.1	1303.3	1334.3	1367.2	1406.2	1441.9	1474.9	1509.6	1552.0	1595.0
15°	1131.7	1170.5	1211.1	1242.5	1287.1	1328.3	1369.9	1414.5	1456.7	1507.6	1563.6
17.5°	979.0	1024.1	1092.3	1146.1	1198.4	1239.7	1291.3	1345.2	1395.1	1456.4	1518.7
20°	910.1	943.2	989.5	1062.0	1140.8	1184.8	1237.4	1296.8	1353.9	1420.7	1487.6
22.5°	854.7	884.2	921.4	977.9	1065.9	1125.8	1180.7	1241.0	1307.3	1375.5	1449.7
25°	775.8	796.3	835.2	880.9	941.5	1040.3	1100.3	1160.8	1232.9	1306.0	1390.5
27.5°	716.5	735.0	760.3	803.9	848.9	919.9	1015.3	1081.3	1153.1	1235.4	1323.1
30°	671.2	692.9	720.9	751.8	800.9	856.4	951.7	1028.3	1099.2	1183.7	1277.4
32.5°	638.3	655.5	679.3	710.7	751.6	804.7	880.9	973.9	1042.9	1132.0	1229.9
35°	584.4	604.4	623.9	653.6	686.6	735.2	792.9	892.3	960.9	1048.9	1147.1
37.5°	539.9	552.2	573.7	597.2	632.1	668.4	718.4	807.5	881.8	968.1	1068.7
40°	506.2	521.6	537.6	563.9	592.5	627.2	676.4	742.7	827.8	912.3	1010.6
42.5°	473.3	492.8	509.7	527.3	558.6	593.5	633.4	689.7	776.6	856.6	952.1
45°	433.6	446.2	463.9	483.3	509.0	538.7	574.1	623.3	706.7	775.8	865.5
47.5°	387.4	405.9	417.4	436.4	460.8	489.1	522.0	564.6	632.1	696.8	780.1
50°	355.9	374.8	391.3	408.5	430.2	457.6	485.0	526.2	580.4	648.4	726.1
52.5°	328.9	345.5	361.6	378.8	400.0	425.2	451.2	487.3	533.8	596.3	671.8
55°	292.0	302.2	318.7	335.9	354.7	378.8	403.9	434.2	474.2	526.8	587.9
57.5°	254.0	265.9	279.1	296.3	315.4	333.7	356.4	383.7	415.3	462.9	515.2
60°	232.5	241.7	252.5	270.2	287.9	304.4	326.2	349.0	378.8	419.9	464.4
62.5°	208.7	217.4	227.4	242.8	260.0	275.3	294.2	318.4	343.5	381.1	420.1
65°	169.1	181.7	191.4	205.1	219.4	235.4	250.2	269.7	292.0	321.7	356.5
67.5°	140.2	146.6	155.6	168.1	182.7	196.4	210.4	225.7	245.0	267.9	295.6
70°	127.4	129.7	131.4	143.4	157.1	170.8	183.9	198.2	214.8	233.7	257.6
72.5°	112.3	114.6	116.8	121.9	132.9	146.6	160.1	170.8	186.5	202.1	221.5
75°	89.1	92.6	94.3	97.1	101.1	110.3	122.9	133.1	142.2	154.2	169.7
77.5°	67.8	69.8	71.6	74.6	77.1	81.4	88.4	97.7	106.2	113.2	123.8
80°	53.7	54.2	56.6	57.7	61.1	64.0	67.4	74.8	83.4	86.3	93.7
82.5°	40.5	41.0	42.9	44.0	45.5	48.0	52.3	54.2	61.0	64.7	69.5
85°	22.3	21.7	23.4	23.4	24.5	25.7	26.9	29.7	31.4	36.0	37.1
87.5°	9.5	9.3	9.6	9.3	9.1	9.8	10.0	10.2	10.8	11.9	13.3
90°	13.0	12.3	11.2	10.2	9.0	7.9	6.6	5.2	3.6	2.2	0.6
92.5°	14.6	14.3	13.8	13.2	12.7	12.1	11.9	12.1	12.1	12.3	12.4
95°	24.7	24.0	23.1	22.1	21.2	20.1	22.0	26.5	31.0	35.6	40.0
97.5°	32.7	32.1	30.0	27.7	25.5	23.2	28.5	41.2	54.0	66.7	79.5
100°	36.2	35.1	32.8	30.5	28.2	25.8	34.0	52.8	71.5	90.2	109.0
102.5°	37.5	36.1	55.5	75.0	94.5	113.9	125.6	129.7	133.6	137.6	141.5
105°	39.1	37.5	74.9	112.3	149.6	187.0	203.6	199.6	195.4	191.3	187.3
107.5°	51.1	52.6	97.4	142.2	187.0	231.9	252.6	249.3	246.0	242.6	239.4
110°	94.1	107.8	147.3	186.9	226.4	266.0	284.3	281.5	278.6	275.7	272.9



TEST NUMBER: P331717-935

CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	222.0	271.8	281.6	291.4	301.2	310.9	314.5	312.0	309.4	306.9	304.4
115°	316.7	380.0	376.6	373.2	369.7	366.4	363.4	361.1	358.8	356.5	354.1
117.5°	405.6	420.9	418.5	416.2	413.9	411.5	409.0	406.4	403.8	401.2	398.6
120°	453.1	451.4	449.0	446.5	444.1	441.6	439.4	437.3	435.2	433.2	431.1
122.5°	481.5	480.5	477.9	475.2	472.5	469.8	467.4	465.2	463.0	460.9	458.7
125°	521.4	520.5	517.8	515.2	512.6	510.1	507.8	506.1	504.3	502.5	500.8
127.5°	557.8	556.4	554.5	552.5	550.6	548.6	546.6	544.7	542.8	540.8	538.8
130°	581.1	579.5	578.1	576.5	575.1	573.5	571.7	569.5	567.3	565.2	562.9
132.5°	604.0	602.7	601.2	599.7	598.2	596.7	595.0	593.1	591.3	589.4	587.5
135°	636.4	635.0	633.8	632.5	631.3	630.1	628.4	626.2	624.0	621.8	619.6
137.5°	666.5	665.2	663.7	662.4	661.0	659.6	658.1	656.6	655.0	653.5	652.0
140°	686.1	684.9	683.4	681.9	680.4	678.9	677.5	676.5	675.4	674.2	673.2
142.5°	704.2	703.1	701.4	699.6	697.9	696.2	694.8	693.9	692.9	691.9	691.0
145°	729.6	728.6	726.3	723.9	721.6	719.3	718.2	718.3	718.5	718.6	718.8
147.5°	751.7	751.1	748.7	746.4	744.2	741.8	741.0	741.5	742.0	742.5	743.0
150°	765.2	764.3	762.2	759.9	757.8	755.6	754.9	756.0	756.9	757.9	758.8
152.5°	777.5	776.6	774.6	772.5	770.4	768.4	767.8	768.9	770.0	771.0	772.1
155°	794.1	793.2	791.6	790.0	788.3	786.7	786.5	787.7	788.9	790.2	791.4
157.5°	808.0	807.1	805.9	804.8	803.7	802.5	802.5	803.5	804.5	805.6	806.6
160°	816.3	815.5	814.6	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5
162.5°	823.8	822.9	822.2	821.4	820.7	820.0	820.0	820.9	821.7	822.5	823.4
165°	833.0	832.1	831.6	831.3	830.9	830.4	830.6	831.5	832.3	833.1	834.0
167.5°	840.8	839.8	839.5	839.0	838.7	838.3	838.5	839.4	840.2	841.0	841.8
170°	844.7	843.8	843.5	843.3	843.0	842.7	843.0	843.8	844.6	845.4	846.3
172.5°	847.7	846.7	846.4	846.2	845.9	845.7	845.9	846.7	847.6	848.3	849.2
175°	850.9	850.0	849.6	849.4	849.1	848.9	849.2	850.2	851.1	852.0	853.0
177.5°	851.4	850.7	850.6	850.5	850.3	850.2	850.6	851.4	852.1	852.9	853.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331717-935

CATALOG NUMBER: SA2XXRDIP-C865D725U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1653.7	1655.1	1664.2	1668.4	1676.6	1679.8	1683.4	1682.6	1682.6	1684.4	1697.2
5°	1657.3	1668.7	1685.8	1702.5	1718.4	1732.2	1741.3	1750.4	1753.9	1770.4	1785.3
7.5°	1651.3	1672.4	1700.7	1726.0	1756.3	1779.9	1799.6	1817.2	1829.4	1853.5	1878.2
10°	1643.6	1673.3	1705.3	1737.8	1779.5	1810.9	1843.0	1867.5	1875.5	1911.5	1932.1
12.5°	1628.1	1667.8	1708.5	1750.7	1791.4	1834.7	1869.9	1894.5	1922.6	1954.9	1992.9
15°	1604.7	1650.5	1703.6	1757.8	1816.1	1868.6	1906.3	1949.2	1980.0	2015.5	2048.6
17.5°	1571.2	1630.1	1697.6	1760.5	1827.9	1884.3	1936.2	1977.3	1999.0	2019.2	2024.1
20°	1544.7	1608.2	1687.6	1761.9	1829.3	1894.4	1945.8	1980.0	1985.8	1986.3	1956.1
22.5°	1516.0	1587.6	1670.7	1746.7	1827.4	1899.9	1939.8	1954.5	1931.8	1893.1	1834.5
25°	1463.0	1545.9	1642.4	1729.2	1817.2	1885.8	1899.5	1873.8	1794.4	1711.0	1605.3
27.5°	1405.7	1498.8	1602.3	1698.8	1792.6	1835.0	1805.5	1712.8	1569.8	1445.4	1294.8
30°	1363.7	1468.2	1569.9	1677.8	1764.7	1783.0	1715.0	1578.5	1411.6	1224.3	1074.0
32.5°	1315.7	1425.2	1537.0	1648.6	1721.3	1703.4	1591.1	1423.1	1227.4	1043.3	901.3
35°	1247.1	1360.2	1480.7	1592.8	1639.0	1561.9	1394.0	1175.1	975.2	803.2	705.5
37.5°	1167.9	1291.1	1416.4	1519.2	1516.0	1387.4	1158.6	932.8	764.7	663.1	593.5
40°	1111.7	1236.2	1371.7	1458.4	1421.3	1254.0	1006.0	792.9	670.1	589.0	538.1
42.5°	1057.8	1182.8	1317.2	1386.3	1321.7	1115.9	868.9	702.0	600.6	537.4	496.1
45°	966.0	1098.0	1222.5	1260.8	1145.4	918.6	702.7	581.6	514.2	467.3	438.8
47.5°	876.3	1006.2	1119.8	1120.5	964.4	744.9	592.8	503.3	445.7	409.5	388.7
50°	821.5	944.9	1040.3	1025.5	848.3	662.7	530.1	453.1	405.0	377.0	355.3
52.5°	759.8	879.5	962.2	919.9	750.1	583.2	473.9	409.1	369.4	345.1	325.6
55°	670.1	776.4	834.7	770.7	611.8	485.0	400.5	349.7	319.9	299.4	282.8
57.5°	582.0	669.7	706.4	631.8	503.9	402.2	338.8	300.6	271.1	256.4	247.8
60°	526.8	601.6	627.2	545.0	438.2	351.9	299.9	264.5	242.8	233.1	224.5
62.5°	472.3	533.5	544.1	468.6	381.9	308.1	263.4	233.4	219.0	209.7	201.6
65°	391.9	435.9	430.8	370.2	302.2	244.5	212.0	193.6	182.8	169.7	155.4
67.5°	322.6	349.5	333.3	287.9	230.7	190.0	168.8	154.9	141.5	129.0	125.7
70°	278.8	294.2	277.1	235.4	189.1	159.4	142.2	125.7	117.7	114.9	109.7
72.5°	236.8	242.1	223.6	187.9	153.9	132.0	115.3	106.0	101.7	99.3	96.0
75°	177.7	173.7	157.6	129.7	106.9	92.0	86.9	83.4	80.6	78.3	76.5
77.5°	124.8	118.9	104.7	86.4	74.4	67.3	64.2	62.4	61.0	59.8	58.1
80°	93.7	89.7	75.4	61.7	56.6	53.1	51.4	49.2	49.2	48.0	46.2
82.5°	68.5	64.1	51.7	45.2	42.4	40.3	39.1	37.7	37.3	37.5	36.2
85°	36.0	29.1	25.7	24.5	22.8	21.7	22.3	21.1	21.1	21.1	20.6
87.5°	11.4	9.4	9.2	9.1	9.8	10.1	9.8	10.0	10.7	10.3	10.9
90°	2.2	3.6	5.2	6.6	7.9	9.0	10.2	11.2	12.3	13.0	13.7
92.5°	12.3	12.1	12.1	11.9	12.1	12.7	13.2	13.8	14.3	14.6	15.0
95°	35.6	31.0	26.5	22.0	20.1	21.2	22.1	23.1	24.0	24.7	25.4
97.5°	66.7	54.0	41.2	28.5	23.2	25.5	27.7	30.0	32.1	32.7	33.2
100°	90.2	71.5	52.8	34.0	25.8	28.2	30.5	32.8	35.1	36.2	37.3
102.5°	137.6	133.6	129.7	125.6	113.9	94.5	75.0	55.5	36.1	37.5	38.9
105°	191.3	195.4	199.6	203.6	187.0	149.6	112.3	74.9	37.5	39.1	40.6
107.5°	242.6	246.0	249.3	252.6	231.9	187.0	142.2	97.4	52.6	51.1	49.5
110°	275.7	278.6	281.5	284.3	266.0	226.4	186.9	147.3	107.8	94.1	80.4





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	306.9	309.4	312.0	314.5	310.9	301.2	291.4	281.6	271.8	222.0	172.0
115°	356.5	358.8	361.1	363.4	366.4	369.7	373.2	376.6	380.0	316.7	253.3
117.5°	401.2	403.8	406.4	409.0	411.5	413.9	416.2	418.5	420.9	405.6	390.3
120°	433.2	435.2	437.3	439.4	441.6	444.1	446.5	449.0	451.4	453.1	454.8
122.5°	460.9	463.0	465.2	467.4	469.8	472.5	475.2	477.9	480.5	481.5	482.5
125°	502.5	504.3	506.1	507.8	510.1	512.6	515.2	517.8	520.5	521.4	522.4
127.5°	540.8	542.8	544.7	546.6	548.6	550.6	552.5	554.5	556.4	557.8	559.2
130°	565.2	567.3	569.5	571.7	573.5	575.1	576.5	578.1	579.5	581.1	582.6
132.5°	589.4	591.3	593.1	595.0	596.7	598.2	599.7	601.2	602.7	604.0	605.3
135°	621.8	624.0	626.2	628.4	630.1	631.3	632.5	633.8	635.0	636.4	637.7
137.5°	653.5	655.0	656.6	658.1	659.6	661.0	662.4	663.7	665.2	666.5	667.9
140°	674.2	675.4	676.5	677.5	678.9	680.4	681.9	683.4	684.9	686.1	687.3
142.5°	691.9	692.9	693.9	694.8	696.2	697.9	699.6	701.4	703.1	704.2	705.3
145°	718.6	718.5	718.3	718.2	719.3	721.6	723.9	726.3	728.6	729.6	730.6
147.5°	742.5	742.0	741.5	741.0	741.8	744.2	746.4	748.7	751.1	751.7	752.4
150°	757.9	756.9	756.0	754.9	755.6	757.8	759.9	762.2	764.3	765.2	765.9
152.5°	771.0	770.0	768.9	767.8	768.4	770.4	772.5	774.6	776.6	777.5	778.3
155°	790.2	788.9	787.7	786.5	786.7	788.3	790.0	791.6	793.2	794.1	795.0
157.5°	805.6	804.5	803.5	802.5	802.5	803.7	804.8	805.9	807.1	808.0	808.9
160°	814.6	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5	816.3	817.1
162.5°	822.5	821.7	820.9	820.0	820.0	820.7	821.4	822.2	822.9	823.8	824.7
165°	833.1	832.3	831.5	830.6	830.4	830.9	831.3	831.6	832.1	833.0	834.0
167.5°	841.0	840.2	839.4	838.5	838.3	838.7	839.0	839.5	839.8	840.8	841.8
170°	845.4	844.6	843.8	843.0	842.7	843.0	843.3	843.5	843.8	844.7	845.7
172.5°	848.3	847.6	846.7	845.9	845.7	845.9	846.2	846.4	846.7	847.7	848.7
175°	852.0	851.1	850.2	849.2	848.9	849.1	849.4	849.6	850.0	850.9	851.9
177.5°	852.9	852.1	851.4	850.6	850.2	850.3	850.5	850.6	850.7	851.4	852.2
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1701.8	1707.7	1710.4	1710.4	1713.6	1712.3	1710.9
5°	1799.6	1810.4	1812.7	1823.0	1830.4	1828.1	1829.3
7.5°	1896.8	1914.3	1931.5	1939.4	1940.6	1945.2	1946.9
10°	1956.6	1970.9	1997.8	1993.7	2013.8	2025.2	2006.3
12.5°	2014.2	2033.5	2052.2	2057.3	2068.6	2072.3	2064.9
15°	2066.3	2076.6	2077.8	2074.9	2078.3	2075.4	2064.6
17.5°	2017.7	2001.0	1967.1	1951.1	1938.5	1919.8	1912.2
20°	1937.2	1888.1	1830.9	1808.1	1781.2	1728.7	1741.3
22.5°	1763.6	1707.5	1650.5	1583.7	1551.9	1502.0	1499.0
25°	1493.3	1396.8	1290.6	1216.2	1172.9	1123.2	1101.4
27.5°	1161.1	1039.5	952.4	908.4	868.2	828.8	827.2
30°	942.6	851.2	783.8	746.1	721.5	705.0	708.4
32.5°	794.5	731.9	686.5	655.1	637.0	624.5	624.3
35°	649.5	606.7	577.6	564.4	551.3	542.2	542.7
37.5°	555.9	530.1	513.9	499.4	491.2	486.7	484.2
40°	507.9	486.7	474.2	465.6	458.7	452.5	451.3
42.5°	469.9	452.5	439.9	433.2	426.7	422.3	421.1
45°	417.1	402.8	391.3	383.9	381.1	377.0	377.0
47.5°	371.0	357.0	348.0	343.4	338.5	335.8	335.7
50°	339.9	329.1	321.1	318.2	314.2	312.5	311.9
52.5°	312.0	303.9	298.3	296.3	294.5	292.4	292.7
55°	274.2	269.7	267.3	265.6	262.8	259.3	261.7
57.5°	242.4	238.4	232.3	226.9	224.3	221.9	222.8
60°	220.0	212.0	204.0	197.7	196.0	190.8	190.8
62.5°	191.6	180.4	170.6	167.0	165.3	162.9	162.5
65°	147.4	142.8	140.5	138.3	137.1	137.1	136.0
67.5°	122.2	120.3	117.8	117.3	116.1	115.7	115.4
70°	108.0	105.6	104.5	104.0	102.8	103.4	101.7
72.5°	94.3	92.5	92.2	90.7	90.1	90.1	88.9
75°	74.3	74.3	73.7	73.1	72.0	71.4	72.0
77.5°	57.2	57.3	56.2	56.1	56.0	56.1	55.5
80°	45.7	46.2	45.7	45.1	44.6	45.1	44.6
82.5°	36.1	35.3	35.2	35.0	35.0	34.6	34.5
85°	20.6	21.1	20.6	20.0	20.0	20.0	20.6
87.5°	10.7	10.8	10.8	10.9	11.0	11.0	10.7
90°	14.4	15.1	15.5	15.8	16.1	16.4	16.6
92.5°	15.3	15.7	16.0	16.1	16.3	16.4	16.6
95°	26.1	26.8	27.0	26.9	26.8	26.6	26.5
97.5°	33.8	34.4	34.7	34.9	35.0	35.2	35.4
100°	38.4	39.5	40.2	40.5	40.7	41.0	41.2
102.5°	40.4	41.8	42.7	43.0	43.5	43.8	44.3
105°	42.1	43.6	44.6	45.2	45.7	46.2	46.8
107.5°	48.0	46.5	46.0	46.5	47.1	47.6	48.1
110°	66.7	53.0	46.5	47.0	47.5	48.1	48.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	122.1	72.2	47.4	47.9	48.3	48.7	49.2
115°	189.9	126.6	89.9	80.1	70.2	60.4	50.5
117.5°	374.9	359.6	335.7	303.3	271.0	238.6	206.2
120°	456.4	458.1	449.6	431.1	412.7	394.2	375.7
122.5°	483.5	484.5	483.2	479.6	476.0	472.4	468.8
125°	523.3	524.3	525.0	525.4	525.8	526.2	526.6
127.5°	560.6	562.0	562.7	562.8	562.9	563.0	563.1
130°	584.1	585.6	586.3	586.2	586.0	585.8	585.7
132.5°	606.6	607.9	608.5	608.3	608.2	608.0	607.9
135°	639.1	640.5	641.0	640.8	640.5	640.2	639.9
137.5°	669.2	670.5	671.0	670.5	670.0	669.6	669.1
140°	688.5	689.8	690.1	689.4	688.7	688.0	687.3
142.5°	706.5	707.6	707.8	707.1	706.5	705.8	705.1
145°	731.5	732.5	732.5	731.9	731.2	730.6	729.9
147.5°	753.2	753.9	754.0	753.4	752.8	752.3	751.7
150°	766.8	767.6	767.7	767.0	766.3	765.6	764.9
152.5°	779.1	780.0	779.9	779.0	778.1	777.2	776.3
155°	795.7	796.6	796.4	795.3	794.3	793.2	792.0
157.5°	809.9	810.8	810.7	809.7	808.6	807.5	806.5
160°	817.9	818.7	818.6	817.7	816.7	815.8	814.9
162.5°	825.6	826.6	826.5	825.3	824.1	822.9	821.7
165°	835.0	835.9	835.9	835.0	834.0	833.0	832.1
167.5°	842.7	843.7	843.5	842.3	841.1	839.8	838.6
170°	846.6	847.7	847.5	846.3	845.0	843.8	842.6
172.5°	849.6	850.6	850.4	849.2	848.0	846.7	845.5
175°	852.8	853.8	853.6	852.2	850.8	849.5	848.1
177.5°	853.0	853.8	853.7	852.6	851.7	850.7	849.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2

(END OF REPORT)