

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: P331719-927

Luminaire Tested: **SA2XXRDIP-C865D725U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331719-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C865D725U927-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4858.0 lumens
Efficiency: N/A
Efficacy: 89.3 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

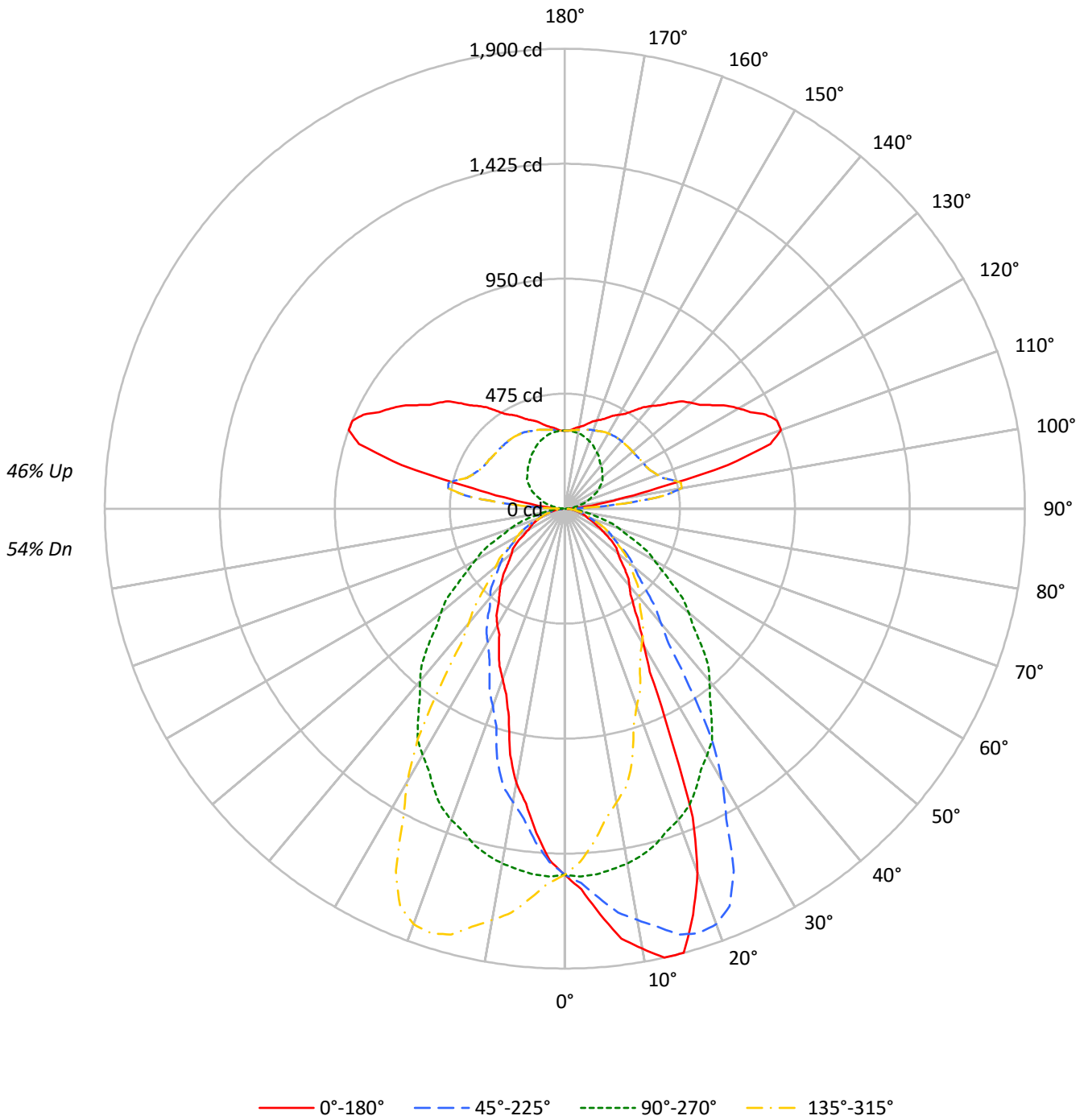
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	60	60	60	54	54	54	54	
1	99	95	92	89	92	89	86	83	76	74	72	65	63	62	54	53	52	47	47	47	47	
2	91	84	79	74	85	79	74	69	68	64	61	58	55	53	49	47	45	41	41	41	41	
3	84	75	68	63	78	70	64	59	61	56	52	52	49	46	44	42	40	36	36	36	36	
4	77	67	60	54	72	63	56	51	55	49	45	47	43	40	40	37	35	31	31	31	31	
5	71	60	53	47	66	57	50	45	49	44	40	43	39	35	36	33	31	28	28	28	28	
6	66	55	47	41	61	51	44	39	45	39	35	39	35	32	33	30	28	25	25	25	25	
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25	23	23	23	23	
8	57	45	38	33	53	43	36	31	38	32	29	33	29	26	29	25	23	21	21	21	21	
9	53	42	34	30	50	39	33	28	35	30	26	31	26	23	27	23	21	19	19	19	19	
10	50	38	32	27	47	36	30	26	32	27	24	29	24	21	25	22	19	17	17	17	17	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24425	24425	24425	24425
5°	27279	24577	21793	24577
10°	30263	24405	18889	24405
15°	31753	24047	14883	24047
20°	27527	23517	12880	23517
25°	18054	22792	11500	22792
30°	12152	21912	10407	21912
35°	9841	20802	9386	20802
40°	8753	19597	8686	19597
45°	7921	18182	7752	18182
50°	7209	16779	7181	16779
55°	6776	15226	6688	15226
60°	5667	13798	5603	13798
65°	4779	12531	5421	12531
70°	4419	11188	5113	11188
75°	4130	9738	4722	9738
80°	3812	8015	4203	8015
85°	3501	6317	3705	6317



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	3.0
10°-20°	399.6	8.2
20°-30°	514.9	10.6
30°-40°	489.3	10.1
40°-50°	419.2	8.6
50°-60°	319.2	6.6
60°-70°	201.8	4.2
70°-80°	100.8	2.1
80°-90°	29.1	0.6
90°-100°	128.7	2.7
100°-110°	436.9	9.0
110°-120°	464.2	9.6
120°-130°	382.1	7.9
130°-140°	306.8	6.3
140°-150°	231.9	4.8
150°-160°	163.0	3.4
160°-170°	95.9	2.0
170°-180°	31.2	0.6
0°-30°	1057.9	21.8
0°-40°	1547.2	31.8
0°-60°	2285.6	47.0
0°-90°	2617.2	53.9
90°-120°	1029.8	21.2
90°-150°	1950.7	40.2
90°-180°	2241.0	46.1
0°-180°	4858.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1513	1513	1513	1513	1513	
5°	1683	1516	1345	1516	1683	166
15°	1900	1439	890	1439	1900	512
25°	1013	1279	646	1279	1013	481
35°	499	1055	476	1055	499	319
45°	347	796	340	796	347	269
55°	241	541	238	541	241	211
65°	125	328	142	328	125	127
75°	66	156	76	156	66	70
85°	19	34	20	34	19	21
90°	20	1	20	1	20	12
95°	71	22	71	22	71	92
105°	698	76	698	76	698	675
115°	918	133	918	133	918	899
125°	745	186	745	186	745	673
135°	617	218	617	218	617	480
145°	493	249	493	249	493	313
155°	414	283	414	283	414	193
165°	364	308	364	308	364	104
175°	328	321	328	321	328	32
180°	322	322	322	322	322	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1574.1	1575.4	1576.7	1573.7	1573.7	1571.2	1565.7	1561.5	1549.7	1548.1	1548.1
5°	1683.1	1682.0	1684.1	1677.3	1667.8	1665.7	1655.7	1642.6	1628.9	1613.7	1610.5
7.5°	1791.3	1789.7	1785.5	1784.4	1777.1	1761.3	1745.2	1728.1	1705.3	1683.1	1672.0
10°	1845.9	1863.3	1852.8	1834.4	1838.1	1813.4	1800.2	1777.7	1758.7	1725.6	1718.2
12.5°	1899.8	1906.6	1903.3	1892.8	1888.2	1871.0	1853.2	1833.6	1798.6	1768.9	1743.0
15°	1899.6	1909.6	1912.2	1909.1	1911.7	1910.7	1901.2	1884.8	1854.4	1821.8	1793.4
17.5°	1759.4	1766.3	1783.5	1795.2	1809.9	1841.0	1856.4	1862.3	1857.8	1839.2	1819.2
20°	1602.1	1590.5	1638.9	1663.6	1684.6	1737.2	1782.4	1799.8	1827.6	1827.1	1821.8
22.5°	1379.2	1382.0	1427.8	1457.1	1518.5	1571.1	1622.6	1687.9	1741.8	1777.4	1798.3
25°	1013.4	1033.4	1079.1	1119.0	1187.4	1285.2	1374.0	1477.0	1574.2	1651.0	1724.0
27.5°	761.1	762.6	798.8	835.8	876.3	956.4	1068.3	1191.3	1329.9	1444.3	1575.9
30°	651.8	648.6	663.8	686.4	721.1	783.2	867.3	988.2	1126.4	1298.8	1452.3
32.5°	574.4	574.6	586.1	602.8	631.6	673.4	731.0	829.3	959.9	1129.3	1309.3
35°	499.3	498.8	507.2	519.3	531.4	558.2	597.6	649.1	739.0	897.2	1081.2
37.5°	445.5	447.8	451.9	459.5	472.9	487.7	511.4	546.1	610.1	703.6	858.3
40°	415.3	416.3	422.1	428.4	436.3	447.8	467.3	495.1	541.9	616.6	729.5
42.5°	387.5	388.6	392.6	398.5	404.7	416.3	432.4	456.5	494.4	552.6	645.9
45°	346.9	346.9	350.6	353.2	360.0	370.6	383.7	403.7	429.9	473.1	535.1
47.5°	308.9	309.0	311.4	315.9	320.2	328.4	341.4	357.7	376.8	410.1	463.1
50°	287.0	287.5	289.1	292.8	295.4	302.8	312.8	326.9	346.9	372.6	416.8
52.5°	269.3	269.0	271.0	272.6	274.4	279.6	287.1	299.6	317.5	339.8	376.4
55°	240.7	238.6	241.8	244.4	246.0	248.1	252.3	260.2	275.4	294.4	321.7
57.5°	205.0	204.1	206.4	208.7	213.7	219.4	223.0	228.0	235.9	249.5	276.6
60°	175.5	175.5	180.3	181.9	187.7	195.0	202.4	206.6	214.4	223.4	243.4
62.5°	149.5	149.9	152.1	153.7	156.9	166.0	176.3	185.5	193.0	201.5	214.8
65°	125.1	126.1	126.1	127.2	129.3	131.4	135.6	143.0	156.1	168.2	178.2
67.5°	106.2	106.5	106.8	107.9	108.4	110.7	112.4	115.7	118.7	130.2	142.5
70°	93.6	95.1	94.6	95.7	96.2	97.2	99.3	100.9	105.7	108.3	115.7
72.5°	81.8	82.9	82.9	83.5	84.8	85.1	86.7	88.3	91.3	93.6	97.5
75°	66.2	65.7	66.2	67.3	67.8	68.4	68.4	70.4	72.0	74.1	76.8
77.5°	51.1	51.7	51.5	51.7	51.7	52.7	52.6	53.5	55.1	56.2	57.4
80°	41.0	41.5	41.0	41.5	42.1	42.5	42.1	42.5	44.1	45.2	45.2
82.5°	31.8	31.8	32.2	32.2	32.4	32.5	33.2	33.4	34.5	34.3	34.7
85°	18.9	18.4	18.4	18.4	18.9	19.4	18.9	18.9	19.4	19.4	19.4
87.5°	10.9	11.2	11.2	11.2	11.2	11.1	10.9	11.6	11.2	11.8	11.2
90°	20.4	20.4	20.4	20.4	20.4	19.8	18.6	19.8	20.4	21.1	20.4
92.5°	34.3	35.3	34.8	36.8	37.3	41.1	46.3	54.0	68.0	80.5	79.4
95°	70.6	69.9	71.9	76.8	84.8	98.5	124.5	162.2	212.4	242.7	214.9
97.5°	138.9	144.2	153.2	168.4	198.0	242.7	309.7	378.6	434.7	414.4	312.1
100°	221.7	232.8	250.8	277.4	328.8	403.8	488.6	565.4	578.4	489.2	336.8
102.5°	390.1	405.2	427.6	473.1	528.9	608.3	670.4	687.8	631.8	491.7	327.5
105°	697.9	706.5	733.2	771.6	810.0	830.4	822.4	752.4	623.6	458.8	309.0
107.5°	891.4	903.0	908.3	910.5	905.6	875.6	811.2	705.8	569.2	423.7	299.8
110°	949.9	950.5	945.0	933.2	906.6	855.8	776.6	665.7	535.0	406.9	297.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	949.0	945.6	935.1	915.4	878.4	820.1	735.4	629.1	511.3	395.9	298.3
115°	918.4	912.8	896.7	868.2	824.2	760.4	679.3	583.9	481.8	384.0	301.0
117.5°	863.7	859.0	842.1	812.0	767.1	707.3	633.7	550.0	463.2	378.1	305.4
120°	828.5	822.4	804.4	775.3	732.0	675.6	610.0	533.1	453.3	374.6	308.4
122.5°	791.9	786.7	770.7	742.1	703.2	652.3	590.2	519.8	444.9	372.6	311.9
125°	745.0	740.0	724.5	701.0	665.0	618.6	564.1	500.3	432.8	369.1	317.0
127.5°	703.9	699.9	686.5	664.5	633.1	590.3	538.8	481.2	421.7	366.9	322.4
130°	680.6	675.6	663.2	642.1	611.8	570.9	522.0	468.7	414.3	366.0	326.4
132.5°	656.2	651.8	640.4	619.4	589.5	551.1	506.2	456.9	408.4	365.5	330.3
135°	617.4	614.9	603.8	583.4	556.7	522.0	481.2	440.3	400.1	364.7	335.0
137.5°	579.2	575.5	565.8	548.2	523.9	493.7	461.2	427.1	394.2	364.6	339.2
140°	553.0	549.3	540.0	523.9	504.1	476.8	448.4	418.6	390.8	364.1	341.2
142.5°	526.7	526.0	517.7	503.1	484.3	461.4	437.0	411.7	387.3	364.1	342.7
145°	492.9	491.1	484.9	474.4	459.5	441.6	422.3	401.9	382.7	362.9	344.3
147.5°	464.5	463.4	459.2	450.8	438.6	425.4	410.4	394.3	378.0	360.7	344.8
150°	447.7	447.1	443.4	435.9	426.7	415.5	402.5	388.9	374.0	359.2	344.3
152.5°	433.3	433.2	430.5	424.1	416.8	407.1	396.1	383.4	370.6	356.7	343.3
155°	414.3	415.5	413.0	408.7	401.9	395.1	385.8	375.9	364.1	352.4	341.8
157.5°	398.1	398.1	397.0	393.3	388.5	383.2	375.4	367.1	358.1	347.9	339.0
160°	387.6	387.6	387.1	384.0	379.6	375.3	368.4	361.6	353.6	344.9	337.5
162.5°	377.7	378.3	377.6	375.5	371.2	367.8	362.0	356.2	349.6	342.5	336.0
165°	363.5	364.1	364.1	361.6	359.2	356.7	352.4	348.0	343.1	337.5	333.2
167.5°	350.4	351.1	351.3	349.9	348.8	346.5	343.6	340.2	336.6	333.2	330.3
170°	342.5	343.6	344.3	342.5	341.8	340.6	338.1	336.3	333.2	330.7	328.8
172.5°	336.0	336.8	337.4	336.5	335.9	335.2	333.2	331.8	329.7	327.7	326.9
175°	327.6	328.8	329.5	328.8	328.8	328.2	327.6	326.9	325.1	324.5	323.8
177.5°	322.5	323.5	324.0	324.0	324.0	324.0	323.5	323.5	322.5	322.0	322.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1548.9	1545.5	1542.6	1535.0	1531.2	1522.8	1521.5	1521.1	1510.2	1499.7	1496.7
5°	1602.1	1593.7	1581.0	1566.4	1551.1	1535.3	1524.8	1516.4	1495.4	1475.4	1463.9
7.5°	1655.7	1637.6	1615.9	1588.0	1564.8	1538.7	1519.3	1502.0	1472.2	1443.6	1424.3
10°	1695.7	1666.2	1637.3	1598.9	1569.0	1539.5	1512.2	1488.6	1454.9	1417.1	1390.3
12.5°	1720.5	1688.1	1648.2	1610.7	1571.9	1534.5	1497.9	1467.5	1428.0	1388.9	1357.0
15°	1754.0	1719.3	1671.0	1617.3	1567.4	1518.5	1476.5	1438.6	1387.1	1340.3	1301.4
17.5°	1781.5	1733.7	1681.8	1619.8	1561.9	1499.8	1445.7	1397.3	1340.0	1283.6	1237.7
20°	1790.3	1743.0	1683.1	1621.0	1552.7	1479.6	1421.3	1368.7	1307.2	1245.7	1193.2
22.5°	1784.8	1748.0	1681.3	1607.1	1537.2	1460.7	1394.8	1333.8	1265.6	1202.8	1141.9
25°	1747.7	1735.0	1672.0	1591.0	1511.2	1422.4	1346.1	1279.4	1201.6	1134.3	1068.0
27.5°	1661.2	1688.4	1649.3	1563.1	1474.3	1379.0	1293.3	1217.3	1136.6	1060.9	994.9
30°	1577.9	1640.5	1623.7	1543.7	1444.4	1350.8	1254.7	1175.3	1089.1	1011.3	946.1
32.5°	1464.0	1567.3	1583.7	1516.9	1414.1	1311.3	1210.5	1131.6	1041.6	959.6	896.0
35°	1282.5	1437.0	1508.0	1465.5	1362.4	1251.5	1147.4	1055.4	965.0	884.1	821.0
37.5°	1066.0	1276.5	1394.8	1397.8	1303.2	1187.9	1074.6	983.3	890.7	811.3	743.0
40°	925.6	1153.7	1307.7	1341.9	1262.0	1137.4	1022.9	929.8	839.4	761.6	683.3
42.5°	799.5	1026.7	1216.1	1275.5	1212.0	1088.2	973.3	876.0	788.1	714.5	634.5
45°	646.5	845.2	1053.8	1160.1	1124.8	1010.3	888.8	796.3	713.8	650.2	573.5
47.5°	545.4	685.4	887.3	1030.9	1030.3	925.7	806.3	717.7	641.1	581.5	519.4
50°	487.7	609.7	780.5	943.5	957.1	869.3	755.8	668.0	596.6	534.0	484.1
52.5°	436.0	536.5	690.1	846.4	885.3	809.2	699.1	618.1	548.7	491.2	448.4
55°	368.4	446.2	562.9	709.1	767.9	714.3	616.6	540.9	484.7	436.3	399.5
57.5°	311.7	370.0	463.7	581.3	649.9	616.2	535.5	474.0	425.9	382.1	353.1
60°	275.9	323.8	403.1	501.5	577.1	553.5	484.7	427.3	386.3	348.5	321.2
62.5°	242.3	283.4	351.4	431.2	500.6	490.8	434.6	386.5	350.6	316.1	292.9
65°	195.0	225.0	278.1	340.6	396.3	401.1	360.6	328.0	296.0	268.6	248.1
67.5°	155.3	174.8	212.2	264.9	306.7	321.5	296.8	272.0	246.5	225.4	207.6
70°	130.9	146.6	174.0	216.6	254.9	270.7	256.5	237.0	215.0	197.6	182.4
72.5°	106.1	121.4	141.6	172.9	205.7	222.8	217.9	203.8	185.9	171.6	157.2
75°	79.9	84.6	98.3	119.3	145.0	159.8	163.5	156.1	141.9	130.9	122.5
77.5°	59.1	61.9	68.4	79.5	96.3	109.4	114.8	113.9	104.2	97.8	89.9
80°	47.3	48.9	52.0	56.8	69.4	82.5	86.2	86.2	79.4	76.8	68.8
82.5°	36.0	37.1	39.0	41.6	47.5	58.9	63.1	63.9	59.6	56.2	49.9
85°	20.5	20.0	21.0	22.6	23.7	26.8	33.1	34.1	33.1	28.9	27.3
87.5°	10.5	10.1	9.4	8.6	8.8	9.0	10.6	12.3	11.0	10.2	9.7
90°	16.7	12.4	9.3	7.4	6.2	5.0	2.5	0.6	2.5	5.0	6.2
92.5°	61.8	42.1	28.1	22.3	18.1	15.4	10.9	7.5	10.9	15.4	18.1
95°	143.1	89.2	60.7	45.8	35.9	30.3	24.2	21.7	24.2	30.3	35.9
97.5°	192.7	117.6	81.8	65.0	53.6	45.2	38.7	35.3	38.7	45.2	53.6
100°	203.1	127.5	94.7	77.4	65.0	55.1	49.5	47.7	49.5	55.1	65.0
102.5°	203.6	136.5	106.2	88.8	75.9	66.0	60.4	59.1	60.4	66.0	75.9
105°	206.8	151.7	122.6	105.3	91.7	82.4	78.0	75.6	78.0	82.4	91.7
107.5°	215.4	167.3	139.1	121.6	108.1	99.6	95.4	93.4	95.4	99.6	108.1
110°	222.3	177.7	150.5	132.5	119.5	111.5	107.7	105.3	107.7	111.5	119.5



TEST NUMBER: P331719-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	229.7	187.7	161.4	142.9	130.4	122.9	118.7	116.1	118.7	122.9	130.4
115°	240.9	203.1	176.5	159.8	147.3	140.0	136.3	133.2	136.3	140.0	147.3
117.5°	252.8	217.4	192.7	175.4	163.5	156.9	153.2	150.8	153.2	156.9	163.5
120°	260.7	227.3	203.1	185.8	173.4	167.8	164.1	161.6	164.1	167.8	173.4
122.5°	267.7	236.7	214.0	196.1	183.8	177.7	174.0	172.1	174.0	177.7	183.8
125°	278.7	250.8	228.5	211.2	198.8	191.3	187.7	185.8	187.7	191.3	198.8
127.5°	288.9	264.0	242.2	224.4	212.5	204.4	199.2	196.7	199.2	204.4	212.5
130°	295.4	271.9	250.2	232.8	220.5	211.8	205.6	203.1	205.6	211.8	220.5
132.5°	301.8	278.8	258.1	240.7	227.9	218.7	212.1	209.1	212.1	218.7	227.9
135°	310.2	288.6	268.8	251.4	237.2	227.9	220.5	218.0	220.5	227.9	237.2
137.5°	316.7	296.5	276.9	260.9	246.7	236.8	229.3	226.4	229.3	236.8	246.7
140°	320.1	301.0	282.4	266.3	252.6	242.7	235.3	232.8	235.3	242.7	252.6
142.5°	323.1	304.4	286.4	271.2	258.1	248.2	241.3	239.2	241.3	248.2	258.1
145°	326.9	309.7	292.9	279.2	266.9	257.6	251.4	248.9	251.4	257.6	266.9
147.5°	329.1	313.9	298.1	286.0	275.7	267.1	261.2	259.4	261.2	267.1	275.7
150°	330.0	315.8	301.6	290.4	281.1	273.1	268.2	266.3	268.2	273.1	281.1
152.5°	330.6	317.8	305.1	294.9	286.1	279.0	274.1	273.2	274.1	279.0	286.1
155°	331.3	320.8	310.2	301.0	294.1	287.3	283.6	283.0	283.6	287.3	294.1
157.5°	331.3	322.9	313.9	306.2	300.7	294.8	291.8	291.2	291.8	294.8	300.7
160°	331.3	323.8	316.4	309.7	304.7	299.7	297.2	296.6	297.2	299.7	304.7
162.5°	330.8	324.4	317.9	312.6	308.2	304.2	301.7	302.1	301.7	304.2	308.2
165°	329.5	325.1	319.6	315.8	312.8	309.0	307.8	308.4	307.8	309.0	312.8
167.5°	328.6	325.0	320.9	318.5	316.3	313.9	312.8	313.6	312.8	313.9	316.3
170°	327.6	324.5	321.4	319.6	318.3	316.4	315.8	317.0	315.8	316.4	318.3
172.5°	326.1	324.0	321.9	320.5	319.8	317.9	318.3	319.0	318.3	317.9	319.8
175°	324.5	323.2	322.0	321.4	321.4	320.1	320.8	321.4	320.8	320.1	321.4
177.5°	323.5	322.5	322.0	322.0	322.0	321.0	321.5	322.5	321.5	321.0	322.0
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331719-927

CATALOG NUMBER: SA2XXRDIP-C865D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1491.3	1488.4	1482.9	1474.5	1469.4	1460.6	1454.7	1458.1	1458.9	1458.1	1457.2
5°	1451.2	1440.2	1425.0	1410.2	1396.5	1381.9	1373.4	1369.8	1362.4	1358.2	1356.1
7.5°	1402.8	1383.8	1362.2	1336.6	1314.8	1292.0	1280.3	1274.5	1259.5	1251.3	1244.1
10°	1366.6	1336.6	1315.1	1281.4	1261.0	1231.0	1210.5	1211.0	1190.5	1178.9	1170.5
12.5°	1326.7	1293.8	1257.9	1227.6	1199.1	1175.0	1150.4	1140.3	1118.6	1107.5	1084.7
15°	1260.4	1222.1	1184.2	1143.2	1114.3	1077.0	1041.2	997.6	962.4	931.9	923.5
17.5°	1188.1	1140.6	1102.6	1054.5	1005.0	942.2	900.8	875.4	854.2	838.1	826.2
20°	1138.5	1090.1	1049.6	977.2	910.4	867.8	837.3	817.8	795.8	778.5	769.0
22.5°	1086.3	1035.9	980.7	899.8	847.7	813.6	786.4	764.1	749.1	735.5	726.9
25°	1012.3	957.1	866.3	810.5	768.4	732.7	713.8	700.1	684.4	666.0	657.5
27.5°	934.1	846.4	781.1	739.7	699.5	676.3	659.3	638.8	624.7	616.5	607.7
30°	875.7	787.9	736.9	691.7	663.3	637.5	617.6	606.0	592.4	578.2	572.4
32.5°	810.5	740.4	691.5	653.9	625.0	603.1	587.3	568.6	558.7	550.0	537.9
35°	729.5	676.4	631.8	601.3	574.0	556.1	537.7	526.6	508.8	501.5	496.7
37.5°	661.0	615.0	581.6	549.5	527.8	508.0	496.8	479.3	471.5	461.3	451.3
40°	622.3	577.1	545.1	518.8	494.6	479.9	465.7	451.5	440.0	435.2	423.1
42.5°	582.8	546.1	514.0	485.1	469.0	453.4	435.5	425.0	413.0	405.4	397.9
45°	528.2	495.7	468.3	444.7	426.8	410.5	398.9	381.6	374.8	359.5	353.2
47.5°	480.3	450.0	424.0	401.5	384.0	373.4	356.5	342.9	332.0	322.7	314.5
50°	446.2	421.0	395.8	375.8	360.0	344.8	327.5	320.6	303.8	299.0	294.4
52.5°	415.1	391.2	368.0	348.5	332.7	317.9	302.6	293.7	282.3	277.7	274.2
55°	371.6	348.5	326.4	309.0	293.3	278.1	268.6	257.5	252.3	248.6	244.4
57.5°	327.9	307.0	290.2	272.6	256.7	244.6	233.7	227.0	221.6	216.7	211.8
60°	300.2	280.1	264.9	248.6	232.3	222.4	213.9	206.0	199.7	192.3	190.3
62.5°	270.7	253.3	239.2	223.4	209.2	200.0	192.0	184.6	177.1	166.3	163.3
65°	230.2	216.6	201.8	188.7	176.1	167.2	155.6	147.2	144.0	143.0	142.4
67.5°	193.6	180.7	168.1	154.6	143.1	134.9	129.0	127.7	125.5	124.8	123.4
70°	169.2	157.2	144.6	131.9	120.9	119.3	117.2	115.1	112.5	111.5	110.4
72.5°	147.3	134.9	122.2	112.2	107.4	105.4	103.3	101.2	99.4	98.4	97.8
75°	113.0	101.5	93.0	89.4	86.7	85.2	82.0	80.4	79.4	77.8	77.2
77.5°	81.4	74.9	71.0	68.7	65.9	64.2	62.4	60.8	59.7	59.4	58.5
80°	62.0	58.9	56.2	53.1	52.0	49.9	49.4	47.8	48.3	46.8	46.8
82.5°	48.2	44.1	41.9	40.5	39.5	37.7	37.2	36.4	36.6	35.4	35.4
85°	24.7	23.7	22.6	21.5	21.5	20.0	20.5	20.0	20.0	18.9	18.4
87.5°	9.5	9.4	9.2	10.1	10.9	10.5	10.4	9.8	9.6	9.8	9.6
90°	7.4	9.3	12.4	16.7	20.4	21.1	20.4	19.8	18.6	19.8	20.4
92.5°	22.3	28.1	42.1	61.8	79.4	80.5	68.0	54.0	46.3	41.1	37.3
95°	45.8	60.7	89.2	143.1	214.9	242.7	212.4	162.2	124.5	98.5	84.8
97.5°	65.0	81.8	117.6	192.7	312.1	414.4	434.7	378.6	309.7	242.7	198.0
100°	77.4	94.7	127.5	203.1	336.8	489.2	578.4	565.4	488.6	403.8	328.8
102.5°	88.8	106.2	136.5	203.6	327.5	491.7	631.8	687.8	670.4	608.3	528.9
105°	105.3	122.6	151.7	206.8	309.0	458.8	623.6	752.4	822.4	830.4	810.0
107.5°	121.6	139.1	167.3	215.4	299.8	423.7	569.2	705.8	811.2	875.6	905.6
110°	132.5	150.5	177.7	222.3	297.9	406.9	535.0	665.7	776.6	855.8	906.6



TEST NUMBER: P331719-927

CATALOG NUMBER: SA2XXRDIP-C865D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	142.9	161.4	187.7	229.7	298.3	395.9	511.3	629.1	735.4	820.1	878.4
115°	159.8	176.5	203.1	240.9	301.0	384.0	481.8	583.9	679.3	760.4	824.2
117.5°	175.4	192.7	217.4	252.8	305.4	378.1	463.2	550.0	633.7	707.3	767.1
120°	185.8	203.1	227.3	260.7	308.4	374.6	453.3	533.1	610.0	675.6	732.0
122.5°	196.1	214.0	236.7	267.7	311.9	372.6	444.9	519.8	590.2	652.3	703.2
125°	211.2	228.5	250.8	278.7	317.0	369.1	432.8	500.3	564.1	618.6	665.0
127.5°	224.4	242.2	264.0	288.9	322.4	366.9	421.7	481.2	538.8	590.3	633.1
130°	232.8	250.2	271.9	295.4	326.4	366.0	414.3	468.7	522.0	570.9	611.8
132.5°	240.7	258.1	278.8	301.8	330.3	365.5	408.4	456.9	506.2	551.1	589.5
135°	251.4	268.8	288.6	310.2	335.0	364.7	400.1	440.3	481.2	522.0	556.7
137.5°	260.9	276.9	296.5	316.7	339.2	364.6	394.2	427.1	461.2	493.7	523.9
140°	266.3	282.4	301.0	320.1	341.2	364.1	390.8	418.6	448.4	476.8	504.1
142.5°	271.2	286.4	304.4	323.1	342.7	364.1	387.3	411.7	437.0	461.4	484.3
145°	279.2	292.9	309.7	326.9	344.3	362.9	382.7	401.9	422.3	441.6	459.5
147.5°	286.0	298.1	313.9	329.1	344.8	360.7	378.0	394.3	410.4	425.4	438.6
150°	290.4	301.6	315.8	330.0	344.3	359.2	374.0	388.9	402.5	415.5	426.7
152.5°	294.9	305.1	317.8	330.6	343.3	356.7	370.6	383.4	396.1	407.1	416.8
155°	301.0	310.2	320.8	331.3	341.8	352.4	364.1	375.9	385.8	395.1	401.9
157.5°	306.2	313.9	322.9	331.3	339.0	347.9	358.1	367.1	375.4	383.2	388.5
160°	309.7	316.4	323.8	331.3	337.5	344.9	353.6	361.6	368.4	375.3	379.6
162.5°	312.6	317.9	324.4	330.8	336.0	342.5	349.6	356.2	362.0	367.8	371.2
165°	315.8	319.6	325.1	329.5	333.2	337.5	343.1	348.0	352.4	356.7	359.2
167.5°	318.5	320.9	325.0	328.6	330.3	333.2	336.6	340.2	343.6	346.5	348.8
170°	319.6	321.4	324.5	327.6	328.8	330.7	333.2	336.3	338.1	340.6	341.8
172.5°	320.5	321.9	324.0	326.1	326.9	327.7	329.7	331.8	333.2	335.2	335.9
175°	321.4	322.0	323.2	324.5	323.8	324.5	325.1	326.9	327.6	328.2	328.8
177.5°	322.0	322.0	322.5	323.5	322.5	322.0	322.5	323.5	323.5	324.0	324.0
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331719-927

CATALOG NUMBER: SA2XXRDIP-C865D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1452.6	1453.4	1452.1	1453.0	1452.1	1453.4	1452.6	1457.2	1458.1	1458.9	1458.1
5°	1353.4	1347.2	1346.1	1344.6	1346.1	1347.2	1353.4	1356.1	1358.2	1362.4	1369.8
7.5°	1235.1	1234.1	1231.5	1227.9	1231.5	1234.1	1235.1	1244.1	1251.3	1259.5	1274.5
10°	1159.0	1156.3	1155.9	1152.1	1155.9	1156.3	1159.0	1170.5	1178.9	1190.5	1211.0
12.5°	1069.8	1052.9	1051.1	1042.0	1051.1	1052.9	1069.8	1084.7	1107.5	1118.6	1140.3
15°	910.9	907.8	897.2	890.4	897.2	907.8	910.9	923.5	931.9	962.4	997.6
17.5°	820.1	809.8	806.5	805.0	806.5	809.8	820.1	826.2	838.1	854.2	875.4
20°	761.6	752.2	750.6	749.6	750.6	752.2	761.6	769.0	778.5	795.8	817.8
22.5°	721.3	711.4	707.3	704.1	707.3	711.4	721.3	726.9	735.5	749.1	764.1
25°	652.3	648.6	646.5	645.5	646.5	648.6	652.3	657.5	666.0	684.4	700.1
27.5°	598.3	590.3	588.7	586.0	588.7	590.3	598.3	607.7	616.5	624.7	638.8
30°	567.7	565.1	561.3	558.2	561.3	565.1	567.7	572.4	578.2	592.4	606.0
32.5°	531.5	529.3	526.0	524.6	526.0	529.3	531.5	537.9	550.0	558.7	568.6
35°	491.5	484.1	480.9	476.2	480.9	484.1	491.5	496.7	501.5	508.8	526.6
37.5°	449.1	445.2	440.8	442.4	440.8	445.2	449.1	451.3	461.3	471.5	479.3
40°	416.3	413.7	412.6	412.1	412.6	413.7	416.3	423.1	435.2	440.0	451.5
42.5°	390.2	382.9	380.2	380.1	380.2	382.9	390.2	397.9	405.4	413.0	425.0
45°	350.6	343.7	339.1	339.5	339.1	343.7	350.6	353.2	359.5	374.8	381.6
47.5°	310.0	309.8	306.9	307.8	306.9	309.8	310.0	314.5	322.7	332.0	342.9
50°	290.7	287.5	285.4	285.9	285.4	287.5	290.7	294.4	299.0	303.8	320.6
52.5°	272.2	269.4	267.8	270.0	267.8	269.4	272.2	274.2	277.7	282.3	293.7
55°	241.8	238.6	238.1	237.6	238.1	238.6	241.8	244.4	248.6	252.3	257.5
57.5°	207.9	205.7	202.6	201.2	202.6	205.7	207.9	211.8	216.7	221.6	227.0
60°	183.5	179.3	174.0	173.5	174.0	179.3	183.5	190.3	192.3	199.7	206.0
62.5°	161.1	160.3	159.2	159.1	159.2	160.3	161.1	163.3	166.3	177.1	184.6
65°	141.4	140.9	141.4	141.9	141.4	140.9	141.4	142.4	143.0	144.0	147.2
67.5°	123.2	122.2	121.3	121.8	121.3	122.2	123.2	123.4	124.8	125.5	127.7
70°	109.3	108.8	108.3	108.3	108.3	108.8	109.3	110.4	111.5	112.5	115.1
72.5°	95.9	95.8	95.2	94.8	95.2	95.8	95.9	97.8	98.4	99.4	101.2
75°	76.8	75.7	75.7	75.7	75.7	75.7	76.8	77.2	77.8	79.4	80.4
77.5°	58.5	57.9	57.4	57.0	57.4	57.9	58.5	58.5	59.4	59.7	60.8
80°	46.3	45.7	45.2	45.2	45.2	45.7	46.3	46.8	46.8	48.3	47.8
82.5°	35.3	34.8	34.7	34.3	34.7	34.8	35.3	35.4	35.4	36.6	36.4
85°	18.9	19.4	18.9	20.0	18.9	19.4	18.9	18.4	18.9	20.0	20.0
87.5°	9.6	9.1	9.6	9.1	9.6	9.1	9.6	9.6	9.8	9.6	9.8
90°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	19.8	18.6	19.8
92.5°	36.8	34.8	35.3	34.3	35.3	34.8	36.8	37.3	41.1	46.3	54.0
95°	76.8	71.9	69.9	70.6	69.9	71.9	76.8	84.8	98.5	124.5	162.2
97.5°	168.4	153.2	144.2	138.9	144.2	153.2	168.4	198.0	242.7	309.7	378.6
100°	277.4	250.8	232.8	221.7	232.8	250.8	277.4	328.8	403.8	488.6	565.4
102.5°	473.1	427.6	405.2	390.1	405.2	427.6	473.1	528.9	608.3	670.4	687.8
105°	771.6	733.2	706.5	697.9	706.5	733.2	771.6	810.0	830.4	822.4	752.4
107.5°	910.5	908.3	903.0	891.4	903.0	908.3	910.5	905.6	875.6	811.2	705.8
110°	933.2	945.0	950.5	949.9	950.5	945.0	933.2	906.6	855.8	776.6	665.7



TEST NUMBER: P331719-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	915.4	935.1	945.6	949.0	945.6	935.1	915.4	878.4	820.1	735.4	629.1
115°	868.2	896.7	912.8	918.4	912.8	896.7	868.2	824.2	760.4	679.3	583.9
117.5°	812.0	842.1	859.0	863.7	859.0	842.1	812.0	767.1	707.3	633.7	550.0
120°	775.3	804.4	822.4	828.5	822.4	804.4	775.3	732.0	675.6	610.0	533.1
122.5°	742.1	770.7	786.7	791.9	786.7	770.7	742.1	703.2	652.3	590.2	519.8
125°	701.0	724.5	740.0	745.0	740.0	724.5	701.0	665.0	618.6	564.1	500.3
127.5°	664.5	686.5	699.9	703.9	699.9	686.5	664.5	633.1	590.3	538.8	481.2
130°	642.1	663.2	675.6	680.6	675.6	663.2	642.1	611.8	570.9	522.0	468.7
132.5°	619.4	640.4	651.8	656.2	651.8	640.4	619.4	589.5	551.1	506.2	456.9
135°	583.4	603.8	614.9	617.4	614.9	603.8	583.4	556.7	522.0	481.2	440.3
137.5°	548.2	565.8	575.5	579.2	575.5	565.8	548.2	523.9	493.7	461.2	427.1
140°	523.9	540.0	549.3	553.0	549.3	540.0	523.9	504.1	476.8	448.4	418.6
142.5°	503.1	517.7	526.0	526.7	526.0	517.7	503.1	484.3	461.4	437.0	411.7
145°	474.4	484.9	491.1	492.9	491.1	484.9	474.4	459.5	441.6	422.3	401.9
147.5°	450.8	459.2	463.4	464.5	463.4	459.2	450.8	438.6	425.4	410.4	394.3
150°	435.9	443.4	447.1	447.7	447.1	443.4	435.9	426.7	415.5	402.5	388.9
152.5°	424.1	430.5	433.2	433.3	433.2	430.5	424.1	416.8	407.1	396.1	383.4
155°	408.7	413.0	415.5	414.3	415.5	413.0	408.7	401.9	395.1	385.8	375.9
157.5°	393.3	397.0	398.1	398.1	398.1	397.0	393.3	388.5	383.2	375.4	367.1
160°	384.0	387.1	387.6	387.6	387.6	387.1	384.0	379.6	375.3	368.4	361.6
162.5°	375.5	377.6	378.3	377.7	378.3	377.6	375.5	371.2	367.8	362.0	356.2
165°	361.6	364.1	364.1	363.5	364.1	364.1	361.6	359.2	356.7	352.4	348.0
167.5°	349.9	351.3	351.1	350.4	351.1	351.3	349.9	348.8	346.5	343.6	340.2
170°	342.5	344.3	343.6	342.5	343.6	344.3	342.5	341.8	340.6	338.1	336.3
172.5°	336.5	337.4	336.8	336.0	336.8	337.4	336.5	335.9	335.2	333.2	331.8
175°	328.8	329.5	328.8	327.6	328.8	329.5	328.8	328.8	328.2	327.6	326.9
177.5°	324.0	324.0	323.5	322.5	323.5	324.0	324.0	324.0	324.0	323.5	323.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331719-927

CATALOG NUMBER: SA2XXRDIP-C865D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1454.7	1460.6	1469.4	1474.5	1482.9	1488.4	1491.3	1496.7	1499.7	1510.2	1521.1
5°	1373.4	1381.9	1396.5	1410.2	1425.0	1440.2	1451.2	1463.9	1475.4	1495.4	1516.4
7.5°	1280.3	1292.0	1314.8	1336.6	1362.2	1383.8	1402.8	1424.3	1443.6	1472.2	1502.0
10°	1210.5	1231.0	1261.0	1281.4	1315.1	1336.6	1366.6	1390.3	1417.1	1454.9	1488.6
12.5°	1150.4	1175.0	1199.1	1227.6	1257.9	1293.8	1326.7	1357.0	1388.9	1428.0	1467.5
15°	1041.2	1077.0	1114.3	1143.2	1184.2	1222.1	1260.4	1301.4	1340.3	1387.1	1438.6
17.5°	900.8	942.2	1005.0	1054.5	1102.6	1140.6	1188.1	1237.7	1283.6	1340.0	1397.3
20°	837.3	867.8	910.4	977.2	1049.6	1090.1	1138.5	1193.2	1245.7	1307.2	1368.7
22.5°	786.4	813.6	847.7	899.8	980.7	1035.9	1086.3	1141.9	1202.8	1265.6	1333.8
25°	713.8	732.7	768.4	810.5	866.3	957.1	1012.3	1068.0	1134.3	1201.6	1279.4
27.5°	659.3	676.3	699.5	739.7	781.1	846.4	934.1	994.9	1060.9	1136.6	1217.3
30°	617.6	637.5	663.3	691.7	736.9	787.9	875.7	946.1	1011.3	1089.1	1175.3
32.5°	587.3	603.1	625.0	653.9	691.5	740.4	810.5	896.0	959.6	1041.6	1131.6
35°	537.7	556.1	574.0	601.3	631.8	676.4	729.5	821.0	884.1	965.0	1055.4
37.5°	496.8	508.0	527.8	549.5	581.6	615.0	661.0	743.0	811.3	890.7	983.3
40°	465.7	479.9	494.6	518.8	545.1	577.1	622.3	683.3	761.6	839.4	929.8
42.5°	435.5	453.4	469.0	485.1	514.0	546.1	582.8	634.5	714.5	788.1	876.0
45°	398.9	410.5	426.8	444.7	468.3	495.7	528.2	573.5	650.2	713.8	796.3
47.5°	356.5	373.4	384.0	401.5	424.0	450.0	480.3	519.4	581.5	641.1	717.7
50°	327.5	344.8	360.0	375.8	395.8	421.0	446.2	484.1	534.0	596.6	668.0
52.5°	302.6	317.9	332.7	348.5	368.0	391.2	415.1	448.4	491.2	548.7	618.1
55°	268.6	278.1	293.3	309.0	326.4	348.5	371.6	399.5	436.3	484.7	540.9
57.5°	233.7	244.6	256.7	272.6	290.2	307.0	327.9	353.1	382.1	425.9	474.0
60°	213.9	222.4	232.3	248.6	264.9	280.1	300.2	321.2	348.5	386.3	427.3
62.5°	192.0	200.0	209.2	223.4	239.2	253.3	270.7	292.9	316.1	350.6	386.5
65°	155.6	167.2	176.1	188.7	201.8	216.6	230.2	248.1	268.6	296.0	328.0
67.5°	129.0	134.9	143.1	154.6	168.1	180.7	193.6	207.6	225.4	246.5	272.0
70°	117.2	119.3	120.9	131.9	144.6	157.2	169.2	182.4	197.6	215.0	237.0
72.5°	103.3	105.4	107.4	112.2	122.2	134.9	147.3	157.2	171.6	185.9	203.8
75°	82.0	85.2	86.7	89.4	93.0	101.5	113.0	122.5	130.9	141.9	156.1
77.5°	62.4	64.2	65.9	68.7	71.0	74.9	81.4	89.9	97.8	104.2	113.9
80°	49.4	49.9	52.0	53.1	56.2	58.9	62.0	68.8	76.8	79.4	86.2
82.5°	37.2	37.7	39.5	40.5	41.9	44.1	48.2	49.9	56.2	59.6	63.9
85°	20.5	20.0	21.5	21.5	22.6	23.7	24.7	27.3	28.9	33.1	34.1
87.5°	10.4	10.5	10.9	10.1	9.2	9.4	9.5	9.7	10.2	11.0	12.3
90°	20.4	21.1	20.4	16.7	12.4	9.3	7.4	6.2	5.0	2.5	0.6
92.5°	68.0	80.5	79.4	61.8	42.1	28.1	22.3	18.1	15.4	10.9	7.5
95°	212.4	242.7	214.9	143.1	89.2	60.7	45.8	35.9	30.3	24.2	21.7
97.5°	434.7	414.4	312.1	192.7	117.6	81.8	65.0	53.6	45.2	38.7	35.3
100°	578.4	489.2	336.8	203.1	127.5	94.7	77.4	65.0	55.1	49.5	47.7
102.5°	631.8	491.7	327.5	203.6	136.5	106.2	88.8	75.9	66.0	60.4	59.1
105°	623.6	458.8	309.0	206.8	151.7	122.6	105.3	91.7	82.4	78.0	75.6
107.5°	569.2	423.7	299.8	215.4	167.3	139.1	121.6	108.1	99.6	95.4	93.4
110°	535.0	406.9	297.9	222.3	177.7	150.5	132.5	119.5	111.5	107.7	105.3



TEST NUMBER: P331719-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	511.3	395.9	298.3	229.7	187.7	161.4	142.9	130.4	122.9	118.7	116.1
115°	481.8	384.0	301.0	240.9	203.1	176.5	159.8	147.3	140.0	136.3	133.2
117.5°	463.2	378.1	305.4	252.8	217.4	192.7	175.4	163.5	156.9	153.2	150.8
120°	453.3	374.6	308.4	260.7	227.3	203.1	185.8	173.4	167.8	164.1	161.6
122.5°	444.9	372.6	311.9	267.7	236.7	214.0	196.1	183.8	177.7	174.0	172.1
125°	432.8	369.1	317.0	278.7	250.8	228.5	211.2	198.8	191.3	187.7	185.8
127.5°	421.7	366.9	322.4	288.9	264.0	242.2	224.4	212.5	204.4	199.2	196.7
130°	414.3	366.0	326.4	295.4	271.9	250.2	232.8	220.5	211.8	205.6	203.1
132.5°	408.4	365.5	330.3	301.8	278.8	258.1	240.7	227.9	218.7	212.1	209.1
135°	400.1	364.7	335.0	310.2	288.6	268.8	251.4	237.2	227.9	220.5	218.0
137.5°	394.2	364.6	339.2	316.7	296.5	276.9	260.9	246.7	236.8	229.3	226.4
140°	390.8	364.1	341.2	320.1	301.0	282.4	266.3	252.6	242.7	235.3	232.8
142.5°	387.3	364.1	342.7	323.1	304.4	286.4	271.2	258.1	248.2	241.3	239.2
145°	382.7	362.9	344.3	326.9	309.7	292.9	279.2	266.9	257.6	251.4	248.9
147.5°	378.0	360.7	344.8	329.1	313.9	298.1	286.0	275.7	267.1	261.2	259.4
150°	374.0	359.2	344.3	330.0	315.8	301.6	290.4	281.1	273.1	268.2	266.3
152.5°	370.6	356.7	343.3	330.6	317.8	305.1	294.9	286.1	279.0	274.1	273.2
155°	364.1	352.4	341.8	331.3	320.8	310.2	301.0	294.1	287.3	283.6	283.0
157.5°	358.1	347.9	339.0	331.3	322.9	313.9	306.2	300.7	294.8	291.8	291.2
160°	353.6	344.9	337.5	331.3	323.8	316.4	309.7	304.7	299.7	297.2	296.6
162.5°	349.6	342.5	336.0	330.8	324.4	317.9	312.6	308.2	304.2	301.7	302.1
165°	343.1	337.5	333.2	329.5	325.1	319.6	315.8	312.8	309.0	307.8	308.4
167.5°	336.6	333.2	330.3	328.6	325.0	320.9	318.5	316.3	313.9	312.8	313.6
170°	333.2	330.7	328.8	327.6	324.5	321.4	319.6	318.3	316.4	315.8	317.0
172.5°	329.7	327.7	326.9	326.1	324.0	321.9	320.5	319.8	317.9	318.3	319.0
175°	325.1	324.5	323.8	324.5	323.2	322.0	321.4	321.4	320.1	320.8	321.4
177.5°	322.5	322.0	322.5	323.5	322.5	322.0	322.0	322.0	321.0	321.5	322.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331719-927

CATALOG NUMBER: SA2XXRDIP-C865D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1521.5	1522.8	1531.2	1535.0	1542.6	1545.5	1548.9	1548.1	1548.1	1549.7	1561.5
5°	1524.8	1535.3	1551.1	1566.4	1581.0	1593.7	1602.1	1610.5	1613.7	1628.9	1642.6
7.5°	1519.3	1538.7	1564.8	1588.0	1615.9	1637.6	1655.7	1672.0	1683.1	1705.3	1728.1
10°	1512.2	1539.5	1569.0	1598.9	1637.3	1666.2	1695.7	1718.2	1725.6	1758.7	1777.7
12.5°	1497.9	1534.5	1571.9	1610.7	1648.2	1688.1	1720.5	1743.0	1768.9	1798.6	1833.6
15°	1476.5	1518.5	1567.4	1617.3	1671.0	1719.3	1754.0	1793.4	1821.8	1854.4	1884.8
17.5°	1445.7	1499.8	1561.9	1619.8	1681.8	1733.7	1781.5	1819.2	1839.2	1857.8	1862.3
20°	1421.3	1479.6	1552.7	1621.0	1683.1	1743.0	1790.3	1821.8	1827.1	1827.6	1799.8
22.5°	1394.8	1460.7	1537.2	1607.1	1681.3	1748.0	1784.8	1798.3	1777.4	1741.8	1687.9
25°	1346.1	1422.4	1511.2	1591.0	1672.0	1735.0	1747.7	1724.0	1651.0	1574.2	1477.0
27.5°	1293.3	1379.0	1474.3	1563.1	1649.3	1688.4	1661.2	1575.9	1444.3	1329.9	1191.3
30°	1254.7	1350.8	1444.4	1543.7	1623.7	1640.5	1577.9	1452.3	1298.8	1126.4	988.2
32.5°	1210.5	1311.3	1414.1	1516.9	1583.7	1567.3	1464.0	1309.3	1129.3	959.9	829.3
35°	1147.4	1251.5	1362.4	1465.5	1508.0	1437.0	1282.5	1081.2	897.2	739.0	649.1
37.5°	1074.6	1187.9	1303.2	1397.8	1394.8	1276.5	1066.0	858.3	703.6	610.1	546.1
40°	1022.9	1137.4	1262.0	1341.9	1307.7	1153.7	925.6	729.5	616.6	541.9	495.1
42.5°	973.3	1088.2	1212.0	1275.5	1216.1	1026.7	799.5	645.9	552.6	494.4	456.5
45°	888.8	1010.3	1124.8	1160.1	1053.8	845.2	646.5	535.1	473.1	429.9	403.7
47.5°	806.3	925.7	1030.3	1030.9	887.3	685.4	545.4	463.1	410.1	376.8	357.7
50°	755.8	869.3	957.1	943.5	780.5	609.7	487.7	416.8	372.6	346.9	326.9
52.5°	699.1	809.2	885.3	846.4	690.1	536.5	436.0	376.4	339.8	317.5	299.6
55°	616.6	714.3	767.9	709.1	562.9	446.2	368.4	321.7	294.4	275.4	260.2
57.5°	535.5	616.2	649.9	581.3	463.7	370.0	311.7	276.6	249.5	235.9	228.0
60°	484.7	553.5	577.1	501.5	403.1	323.8	275.9	243.4	223.4	214.4	206.6
62.5°	434.6	490.8	500.6	431.2	351.4	283.4	242.3	214.8	201.5	193.0	185.5
65°	360.6	401.1	396.3	340.6	278.1	225.0	195.0	178.2	168.2	156.1	143.0
67.5°	296.8	321.5	306.7	264.9	212.2	174.8	155.3	142.5	130.2	118.7	115.7
70°	256.5	270.7	254.9	216.6	174.0	146.6	130.9	115.7	108.3	105.7	100.9
72.5°	217.9	222.8	205.7	172.9	141.6	121.4	106.1	97.5	93.6	91.3	88.3
75°	163.5	159.8	145.0	119.3	98.3	84.6	79.9	76.8	74.1	72.0	70.4
77.5°	114.8	109.4	96.3	79.5	68.4	61.9	59.1	57.4	56.2	55.1	53.5
80°	86.2	82.5	69.4	56.8	52.0	48.9	47.3	45.2	45.2	44.1	42.5
82.5°	63.1	58.9	47.5	41.6	39.0	37.1	36.0	34.7	34.3	34.5	33.4
85°	33.1	26.8	23.7	22.6	21.0	20.0	20.5	19.4	19.4	19.4	18.9
87.5°	10.6	9.0	8.8	8.6	9.4	10.1	10.5	11.2	11.8	11.2	11.6
90°	2.5	5.0	6.2	7.4	9.3	12.4	16.7	20.4	21.1	20.4	19.8
92.5°	10.9	15.4	18.1	22.3	28.1	42.1	61.8	79.4	80.5	68.0	54.0
95°	24.2	30.3	35.9	45.8	60.7	89.2	143.1	214.9	242.7	212.4	162.2
97.5°	38.7	45.2	53.6	65.0	81.8	117.6	192.7	312.1	414.4	434.7	378.6
100°	49.5	55.1	65.0	77.4	94.7	127.5	203.1	336.8	489.2	578.4	565.4
102.5°	60.4	66.0	75.9	88.8	106.2	136.5	203.6	327.5	491.7	631.8	687.8
105°	78.0	82.4	91.7	105.3	122.6	151.7	206.8	309.0	458.8	623.6	752.4
107.5°	95.4	99.6	108.1	121.6	139.1	167.3	215.4	299.8	423.7	569.2	705.8
110°	107.7	111.5	119.5	132.5	150.5	177.7	222.3	297.9	406.9	535.0	665.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	118.7	122.9	130.4	142.9	161.4	187.7	229.7	298.3	395.9	511.3	629.1
115°	136.3	140.0	147.3	159.8	176.5	203.1	240.9	301.0	384.0	481.8	583.9
117.5°	153.2	156.9	163.5	175.4	192.7	217.4	252.8	305.4	378.1	463.2	550.0
120°	164.1	167.8	173.4	185.8	203.1	227.3	260.7	308.4	374.6	453.3	533.1
122.5°	174.0	177.7	183.8	196.1	214.0	236.7	267.7	311.9	372.6	444.9	519.8
125°	187.7	191.3	198.8	211.2	228.5	250.8	278.7	317.0	369.1	432.8	500.3
127.5°	199.2	204.4	212.5	224.4	242.2	264.0	288.9	322.4	366.9	421.7	481.2
130°	205.6	211.8	220.5	232.8	250.2	271.9	295.4	326.4	366.0	414.3	468.7
132.5°	212.1	218.7	227.9	240.7	258.1	278.8	301.8	330.3	365.5	408.4	456.9
135°	220.5	227.9	237.2	251.4	268.8	288.6	310.2	335.0	364.7	400.1	440.3
137.5°	229.3	236.8	246.7	260.9	276.9	296.5	316.7	339.2	364.6	394.2	427.1
140°	235.3	242.7	252.6	266.3	282.4	301.0	320.1	341.2	364.1	390.8	418.6
142.5°	241.3	248.2	258.1	271.2	286.4	304.4	323.1	342.7	364.1	387.3	411.7
145°	251.4	257.6	266.9	279.2	292.9	309.7	326.9	344.3	362.9	382.7	401.9
147.5°	261.2	267.1	275.7	286.0	298.1	313.9	329.1	344.8	360.7	378.0	394.3
150°	268.2	273.1	281.1	290.4	301.6	315.8	330.0	344.3	359.2	374.0	388.9
152.5°	274.1	279.0	286.1	294.9	305.1	317.8	330.6	343.3	356.7	370.6	383.4
155°	283.6	287.3	294.1	301.0	310.2	320.8	331.3	341.8	352.4	364.1	375.9
157.5°	291.8	294.8	300.7	306.2	313.9	322.9	331.3	339.0	347.9	358.1	367.1
160°	297.2	299.7	304.7	309.7	316.4	323.8	331.3	337.5	344.9	353.6	361.6
162.5°	301.7	304.2	308.2	312.6	317.9	324.4	330.8	336.0	342.5	349.6	356.2
165°	307.8	309.0	312.8	315.8	319.6	325.1	329.5	333.2	337.5	343.1	348.0
167.5°	312.8	313.9	316.3	318.5	320.9	325.0	328.6	330.3	333.2	336.6	340.2
170°	315.8	316.4	318.3	319.6	321.4	324.5	327.6	328.8	330.7	333.2	336.3
172.5°	318.3	317.9	319.8	320.5	321.9	324.0	326.1	326.9	327.7	329.7	331.8
175°	320.8	320.1	321.4	321.4	322.0	323.2	324.5	323.8	324.5	325.1	326.9
177.5°	321.5	321.0	322.0	322.0	322.0	322.5	323.5	322.5	322.0	322.5	323.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1565.7	1571.2	1573.7	1573.7	1576.7	1575.4	1574.1
5°	1655.7	1665.7	1667.8	1677.3	1684.1	1682.0	1683.1
7.5°	1745.2	1761.3	1777.1	1784.4	1785.5	1789.7	1791.3
10°	1800.2	1813.4	1838.1	1834.4	1852.8	1863.3	1845.9
12.5°	1853.2	1871.0	1888.2	1892.8	1903.3	1906.6	1899.8
15°	1901.2	1910.7	1911.7	1909.1	1912.2	1909.6	1899.6
17.5°	1856.4	1841.0	1809.9	1795.2	1783.5	1766.3	1759.4
20°	1782.4	1737.2	1684.6	1663.6	1638.9	1590.5	1602.1
22.5°	1622.6	1571.1	1518.5	1457.1	1427.8	1382.0	1379.2
25°	1374.0	1285.2	1187.4	1119.0	1079.1	1033.4	1013.4
27.5°	1068.3	956.4	876.3	835.8	798.8	762.6	761.1
30°	867.3	783.2	721.1	686.4	663.8	648.6	651.8
32.5°	731.0	673.4	631.6	602.8	586.1	574.6	574.4
35°	597.6	558.2	531.4	519.3	507.2	498.8	499.3
37.5°	511.4	487.7	472.9	459.5	451.9	447.8	445.5
40°	467.3	447.8	436.3	428.4	422.1	416.3	415.3
42.5°	432.4	416.3	404.7	398.5	392.6	388.6	387.5
45°	383.7	370.6	360.0	353.2	350.6	346.9	346.9
47.5°	341.4	328.4	320.2	315.9	311.4	309.0	308.9
50°	312.8	302.8	295.4	292.8	289.1	287.5	287.0
52.5°	287.1	279.6	274.4	272.6	271.0	269.0	269.3
55°	252.3	248.1	246.0	244.4	241.8	238.6	240.7
57.5°	223.0	219.4	213.7	208.7	206.4	204.1	205.0
60°	202.4	195.0	187.7	181.9	180.3	175.5	175.5
62.5°	176.3	166.0	156.9	153.7	152.1	149.9	149.5
65°	135.6	131.4	129.3	127.2	126.1	126.1	125.1
67.5°	112.4	110.7	108.4	107.9	106.8	106.5	106.2
70°	99.3	97.2	96.2	95.7	94.6	95.1	93.6
72.5°	86.7	85.1	84.8	83.5	82.9	82.9	81.8
75°	68.4	68.4	67.8	67.3	66.2	65.7	66.2
77.5°	52.6	52.7	51.7	51.7	51.5	51.7	51.1
80°	42.1	42.5	42.1	41.5	41.0	41.5	41.0
82.5°	33.2	32.5	32.4	32.2	32.2	31.8	31.8
85°	18.9	19.4	18.9	18.4	18.4	18.4	18.9
87.5°	10.9	11.1	11.2	11.2	11.2	11.2	10.9
90°	18.6	19.8	20.4	20.4	20.4	20.4	20.4
92.5°	46.3	41.1	37.3	36.8	34.8	35.3	34.3
95°	124.5	98.5	84.8	76.8	71.9	69.9	70.6
97.5°	309.7	242.7	198.0	168.4	153.2	144.2	138.9
100°	488.6	403.8	328.8	277.4	250.8	232.8	221.7
102.5°	670.4	608.3	528.9	473.1	427.6	405.2	390.1
105°	822.4	830.4	810.0	771.6	733.2	706.5	697.9
107.5°	811.2	875.6	905.6	910.5	908.3	903.0	891.4
110°	776.6	855.8	906.6	933.2	945.0	950.5	949.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	735.4	820.1	878.4	915.4	935.1	945.6	949.0
115°	679.3	760.4	824.2	868.2	896.7	912.8	918.4
117.5°	633.7	707.3	767.1	812.0	842.1	859.0	863.7
120°	610.0	675.6	732.0	775.3	804.4	822.4	828.5
122.5°	590.2	652.3	703.2	742.1	770.7	786.7	791.9
125°	564.1	618.6	665.0	701.0	724.5	740.0	745.0
127.5°	538.8	590.3	633.1	664.5	686.5	699.9	703.9
130°	522.0	570.9	611.8	642.1	663.2	675.6	680.6
132.5°	506.2	551.1	589.5	619.4	640.4	651.8	656.2
135°	481.2	522.0	556.7	583.4	603.8	614.9	617.4
137.5°	461.2	493.7	523.9	548.2	565.8	575.5	579.2
140°	448.4	476.8	504.1	523.9	540.0	549.3	553.0
142.5°	437.0	461.4	484.3	503.1	517.7	526.0	526.7
145°	422.3	441.6	459.5	474.4	484.9	491.1	492.9
147.5°	410.4	425.4	438.6	450.8	459.2	463.4	464.5
150°	402.5	415.5	426.7	435.9	443.4	447.1	447.7
152.5°	396.1	407.1	416.8	424.1	430.5	433.2	433.3
155°	385.8	395.1	401.9	408.7	413.0	415.5	414.3
157.5°	375.4	383.2	388.5	393.3	397.0	398.1	398.1
160°	368.4	375.3	379.6	384.0	387.1	387.6	387.6
162.5°	362.0	367.8	371.2	375.5	377.6	378.3	377.7
165°	352.4	356.7	359.2	361.6	364.1	364.1	363.5
167.5°	343.6	346.5	348.8	349.9	351.3	351.1	350.4
170°	338.1	340.6	341.8	342.5	344.3	343.6	342.5
172.5°	333.2	335.2	335.9	336.5	337.4	336.8	336.0
175°	327.6	328.2	328.8	328.8	329.5	328.8	327.6
177.5°	323.5	324.0	324.0	324.0	324.0	323.5	322.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0

(END OF REPORT)