

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: P331438-927

Luminaire Tested: **SA2XXDIP-C1005D725U927-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331438-927
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: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

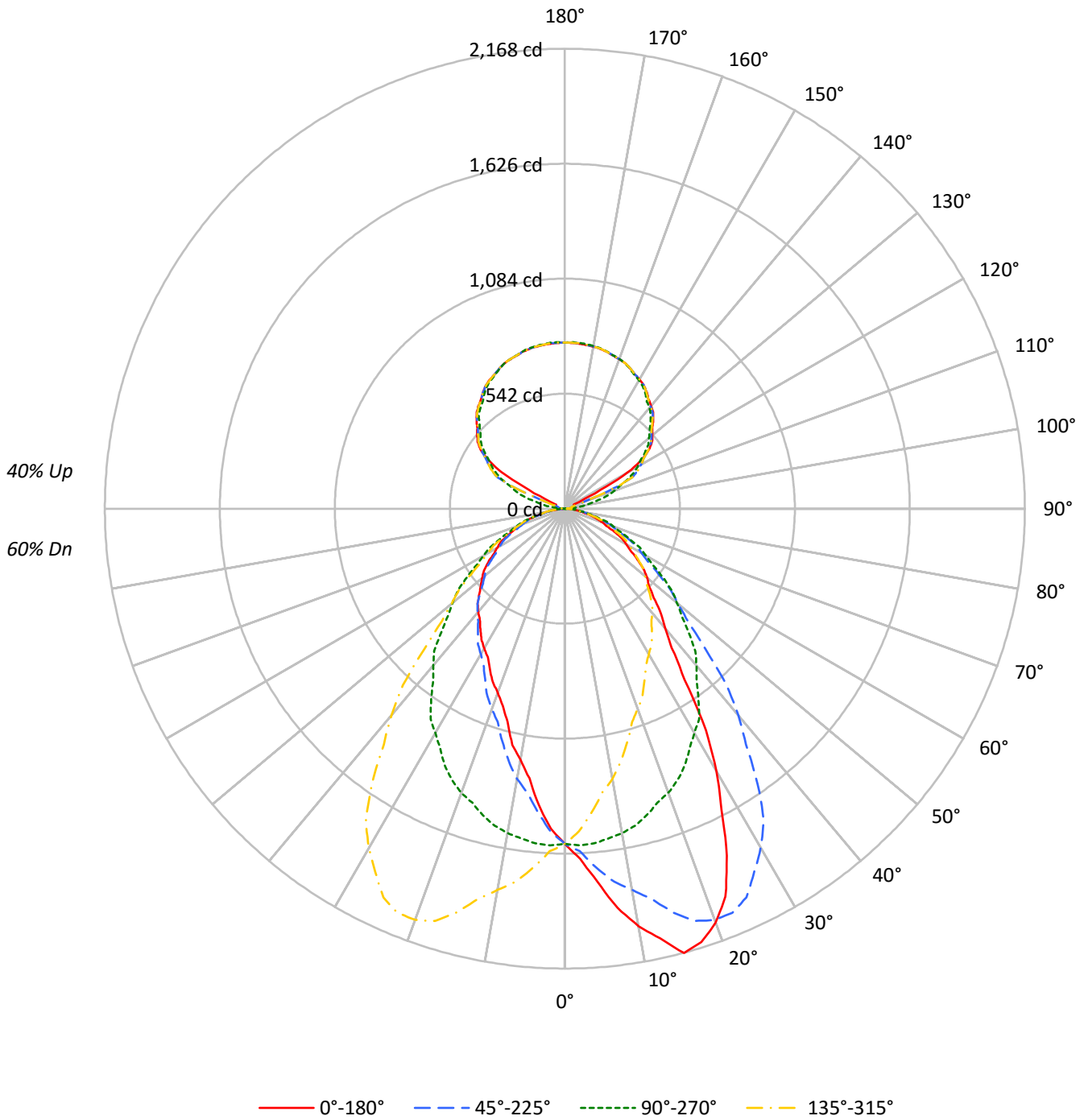
Lumens per Lamp: N/A
Luminaire Lumens: 5782.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 60.7
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	0
RCR																		
0	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	101	96	93	89	94	90	87	84	79	77	74	69	67	65	59	58	57	52
2	92	85	79	74	86	80	75	70	70	66	63	61	58	55	53	50	49	44
3	84	75	68	62	79	71	64	59	62	57	53	54	51	48	47	44	42	38
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	42	39	37	33
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	32	29
6	66	54	46	40	62	51	44	39	46	40	35	40	36	32	35	32	29	26
7	61	49	41	36	57	47	39	34	41	36	31	37	32	29	32	29	26	23
8	57	45	37	32	53	43	36	31	38	32	28	34	29	26	30	26	23	21
9	53	41	34	29	50	39	32	28	35	29	25	31	27	23	28	24	21	19
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	26	22	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25504	25504	25504	25504
5°	28593	25671	22749	25671
10°	32765	25460	19687	25460
15°	36247	24993	17392	24993
20°	35696	24493	15856	24493
25°	32186	23826	14883	23826
30°	26597	22760	14171	22760
35°	19385	21646	13665	21646
40°	15483	20331	13384	20331
45°	13531	18810	13001	18810
50°	12717	17337	12750	17337
55°	11724	15842	12408	15842
60°	10743	14250	11880	14250
65°	9788	12825	11366	12825
70°	8884	11434	10607	11434
75°	7879	9881	9395	9881
80°	6778	8182	7569	8182
85°	6076	6076	4502	6076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	2.6
10°-20°	437.4	7.6
20°-30°	634.7	11.0
30°-40°	669.8	11.6
40°-50°	593.0	10.3
50°-60°	473.3	8.2
60°-70°	321.7	5.6
70°-80°	164.9	2.9
80°-90°	41.7	0.7
90°-100°	26.1	0.5
100°-110°	95.8	1.7
110°-120°	256.1	4.4
120°-130°	422.7	7.3
130°-140°	449.6	7.8
140°-150°	417.8	7.2
150°-160°	335.9	5.8
160°-170°	216.5	3.7
170°-180°	74.5	1.3
0°-30°	1222.5	21.1
0°-40°	1892.3	32.7
0°-60°	2958.6	51.2
0°-90°	3487.0	60.3
90°-120°	378.0	6.5
90°-150°	1668.1	28.8
90°-180°	2295.0	39.7
0°-180°	5782.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1580	1580	1580	1580	1580	
5°	1764	1584	1404	1584	1764	176
15°	2168	1495	1040	1495	2168	598
25°	1807	1337	835	1337	1807	817
35°	984	1098	693	1098	984	640
45°	593	824	569	824	593	466
55°	416	563	441	563	416	373
65°	256	336	298	336	256	255
75°	126	158	151	158	126	135
85°	33	33	24	33	33	36
90°	15	1	15	1	15	8
95°	24	37	24	37	24	23
105°	43	172	43	172	43	45
115°	46	326	46	326	46	116
125°	484	461	484	461	484	419
135°	589	570	589	570	589	454
145°	672	661	672	661	672	420
155°	729	728	729	728	729	336
165°	766	767	766	767	766	216
175°	780	785	780	785	780	74
180°	783	783	783	783	783	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1652.5	1653.0	1653.9	1646.2	1645.2	1645.2	1638.4	1632.6	1625.8	1616.5	1617.6
5°	1764.2	1770.8	1773.3	1766.0	1755.1	1753.9	1743.6	1726.6	1710.8	1698.0	1688.9
7.5°	1897.5	1900.2	1894.3	1884.7	1876.5	1861.9	1842.8	1823.9	1797.6	1773.5	1755.5
10°	1998.5	2002.2	1991.9	1977.9	1966.4	1949.4	1921.4	1892.9	1858.3	1825.0	1798.2
12.5°	2075.3	2084.2	2071.0	2069.2	2049.5	2026.1	1992.8	1978.4	1929.7	1883.2	1854.6
15°	2168.5	2167.9	2169.2	2157.6	2143.0	2139.4	2104.2	2065.9	1997.3	1970.0	1922.6
17.5°	2141.6	2150.8	2155.1	2154.9	2154.6	2152.3	2141.0	2116.8	2082.4	2038.1	1983.5
20°	2077.5	2089.6	2091.4	2105.4	2113.3	2123.6	2127.9	2121.1	2099.9	2062.9	2015.5
22.5°	1978.4	1981.8	1987.5	2009.2	2026.3	2052.2	2065.7	2088.1	2080.0	2061.9	2022.4
25°	1806.7	1800.6	1821.9	1832.8	1872.2	1913.5	1943.3	1976.1	2005.3	2022.8	2011.3
27.5°	1600.5	1591.4	1623.3	1652.3	1684.3	1729.0	1775.4	1830.1	1875.7	1932.6	1952.2
30°	1426.6	1432.1	1462.4	1493.4	1542.0	1605.1	1657.3	1717.5	1782.4	1846.2	1890.5
32.5°	1239.2	1260.2	1279.4	1326.8	1369.6	1440.0	1516.5	1591.7	1672.7	1745.2	1813.8
35°	983.5	1007.7	1034.5	1069.1	1129.2	1199.0	1273.7	1375.1	1485.6	1584.5	1665.9
37.5°	827.8	823.9	839.2	864.3	912.9	969.3	1055.3	1155.4	1285.5	1401.8	1516.5
40°	734.6	732.1	743.1	766.1	803.2	844.5	919.7	1007.7	1128.5	1270.7	1407.2
42.5°	670.5	671.9	678.0	694.3	719.6	753.6	810.0	884.9	995.5	1129.3	1276.1
45°	592.6	596.8	603.5	611.3	625.9	653.9	685.4	738.9	826.2	937.9	1082.4
47.5°	536.4	536.5	543.4	550.2	558.9	574.6	600.4	633.9	695.6	786.6	910.8
50°	506.3	502.1	506.9	512.4	521.5	532.4	549.4	581.0	622.3	695.7	799.5
52.5°	469.4	469.5	473.9	475.9	484.1	495.0	510.6	532.4	569.8	627.2	712.6
55°	416.5	419.5	421.9	425.6	432.8	440.8	452.9	467.5	496.6	539.7	602.9
57.5°	366.7	367.7	370.1	377.0	381.6	388.9	400.4	413.7	432.6	464.5	512.0
60°	332.7	332.7	337.5	340.6	346.7	353.9	363.1	375.8	392.8	418.9	457.2
62.5°	301.6	301.1	303.1	308.0	312.7	319.5	328.5	339.4	355.4	378.6	410.0
65°	256.2	255.0	258.6	259.8	264.7	271.4	278.7	290.2	302.9	320.0	347.8
67.5°	212.5	214.0	215.9	218.2	220.9	227.9	232.7	240.9	251.7	265.8	284.7
70°	188.2	188.2	188.2	190.0	193.7	197.3	202.2	208.8	219.2	231.3	248.3
72.5°	161.0	163.0	164.9	163.8	168.4	170.6	176.4	180.2	190.0	197.8	212.9
75°	126.3	126.3	126.3	129.3	131.1	132.9	136.6	140.2	145.1	154.8	162.7
77.5°	94.2	94.0	94.6	95.3	97.3	99.4	100.5	103.8	108.3	112.8	119.5
80°	72.9	74.1	74.7	75.9	75.9	77.1	77.7	82.0	85.0	88.0	92.3
82.5°	56.3	56.6	56.7	57.0	57.4	58.1	59.7	61.1	62.2	64.7	68.0
85°	32.8	32.2	32.2	33.4	32.8	32.8	34.0	35.2	35.2	35.8	37.6
87.5°	15.7	15.6	16.1	15.5	15.4	15.9	15.8	15.1	15.5	15.8	16.2
90°	15.3	15.1	14.8	14.6	14.3	13.9	13.2	12.6	12.0	11.3	10.3
92.5°	15.3	15.1	15.0	14.8	14.7	14.4	14.1	13.8	13.5	13.2	12.7
95°	24.4	24.5	24.6	24.7	24.9	24.6	24.0	23.4	22.7	22.1	21.2
97.5°	32.6	32.4	32.2	32.1	31.9	31.6	31.1	30.6	30.1	29.5	27.6
100°	37.9	37.7	37.5	37.2	37.0	36.4	35.3	34.3	33.3	32.3	30.2
102.5°	40.7	40.3	40.0	39.6	39.3	38.4	37.2	35.8	34.5	33.2	31.1
105°	43.1	42.5	42.1	41.6	41.0	40.1	38.7	37.3	36.0	34.5	32.9
107.5°	44.3	43.8	43.3	42.8	42.3	42.8	44.1	45.6	47.0	48.4	49.8
110°	44.8	44.3	43.7	43.3	42.8	48.8	61.4	74.0	86.6	99.2	135.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	45.2	44.8	44.4	44.0	43.6	66.4	112.3	158.3	204.2	250.1	259.1
115°	46.5	55.5	64.6	73.7	82.7	116.5	174.8	233.1	291.4	349.7	346.5
117.5°	189.7	219.5	249.3	279.1	308.9	330.8	344.9	359.1	373.2	387.3	385.1
120°	345.7	362.7	379.7	396.6	413.7	421.4	419.9	418.4	416.8	415.3	413.1
122.5°	431.3	434.7	437.9	441.2	444.6	445.8	444.8	443.9	443.0	442.1	439.7
125°	484.5	484.1	483.8	483.4	483.0	482.4	481.5	480.6	479.7	478.9	476.4
127.5°	518.1	518.0	517.9	517.8	517.8	517.1	515.8	514.5	513.3	511.9	510.2
130°	538.9	539.0	539.2	539.3	539.4	538.8	537.4	536.0	534.6	533.2	531.9
132.5°	559.3	559.4	559.6	559.7	559.8	559.3	558.1	556.9	555.7	554.5	553.2
135°	588.7	589.0	589.3	589.5	589.8	589.3	588.0	586.8	585.5	584.2	583.1
137.5°	615.6	616.1	616.5	617.0	617.3	617.0	615.7	614.5	613.2	612.0	610.7
140°	632.4	633.0	633.7	634.3	634.9	634.7	633.5	632.4	631.3	630.2	628.8
142.5°	648.7	649.4	650.0	650.6	651.3	651.0	650.0	649.0	647.9	646.9	645.3
145°	671.5	672.2	672.8	673.4	674.0	673.9	673.0	672.2	671.3	670.3	668.2
147.5°	691.6	692.1	692.6	693.2	693.7	693.6	693.0	692.3	691.7	691.0	688.9
150°	703.8	704.4	705.0	705.7	706.3	706.2	705.5	704.7	704.0	703.2	701.2
152.5°	714.2	715.1	715.9	716.8	717.6	717.6	716.8	716.1	715.3	714.5	712.6
155°	728.7	729.8	730.8	731.7	732.8	732.9	732.1	731.4	730.6	729.8	728.3
157.5°	742.0	743.0	743.9	745.0	745.9	746.0	745.1	744.3	743.5	742.6	741.5
160°	749.7	750.6	751.5	752.3	753.2	753.3	752.6	751.8	751.1	750.3	749.5
162.5°	756.1	757.2	758.2	759.3	760.4	760.5	759.6	758.8	758.0	757.1	756.5
165°	765.6	766.4	767.3	768.3	769.1	769.1	768.3	767.3	766.4	765.6	765.2
167.5°	771.6	772.7	773.9	775.0	776.1	776.3	775.4	774.5	773.6	772.7	772.4
170°	775.2	776.3	777.4	778.6	779.7	779.9	779.0	778.1	777.2	776.3	776.1
172.5°	777.9	779.0	780.2	781.3	782.4	782.6	781.7	780.9	780.0	779.0	778.8
175°	780.3	781.6	782.8	784.1	785.4	785.5	784.7	783.8	782.9	782.0	781.7
177.5°	781.8	782.7	783.6	784.5	785.4	785.5	784.8	784.1	783.4	782.7	782.6
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1621.0	1617.1	1614.6	1605.9	1598.1	1590.3	1587.9	1588.9	1578.2	1568.0	1563.6
5°	1684.1	1671.9	1660.4	1644.0	1624.6	1603.3	1592.4	1583.9	1562.7	1539.6	1526.2
7.5°	1740.7	1723.3	1701.1	1670.2	1642.0	1608.5	1587.3	1568.4	1537.4	1504.8	1484.9
10°	1775.1	1751.4	1722.9	1685.3	1650.7	1610.0	1581.4	1552.9	1516.5	1477.7	1453.3
12.5°	1804.7	1772.8	1744.8	1696.5	1655.5	1604.6	1570.8	1530.6	1492.2	1446.0	1422.3
15°	1875.3	1816.4	1763.0	1708.3	1658.0	1586.9	1549.3	1495.2	1444.9	1387.8	1360.5
17.5°	1929.8	1863.6	1779.5	1710.1	1651.3	1572.6	1517.3	1452.6	1393.1	1327.9	1290.7
20°	1960.9	1885.0	1794.5	1712.0	1641.6	1551.7	1491.6	1425.5	1355.7	1282.1	1242.1
22.5°	1979.3	1899.6	1810.1	1704.7	1622.2	1534.7	1459.0	1386.6	1315.8	1236.5	1194.5
25°	1985.2	1912.3	1817.7	1698.7	1597.8	1498.9	1407.9	1337.4	1251.8	1177.7	1116.4
27.5°	1956.3	1904.1	1813.0	1687.2	1569.8	1454.1	1352.6	1272.8	1182.5	1102.1	1040.5
30°	1920.8	1890.5	1801.8	1675.5	1547.4	1423.0	1311.3	1220.8	1131.0	1049.6	986.5
32.5°	1866.0	1859.4	1781.5	1659.1	1523.7	1383.7	1268.1	1176.6	1077.1	997.2	937.0
35°	1758.2	1787.2	1738.1	1622.2	1478.8	1327.7	1202.6	1098.2	995.1	918.5	862.1
37.5°	1613.7	1686.0	1673.2	1568.1	1418.4	1266.8	1128.7	1019.5	921.2	844.0	788.6
40°	1514.1	1606.4	1619.7	1526.9	1375.7	1219.6	1073.3	964.6	868.7	798.4	742.4
42.5°	1407.2	1515.0	1551.7	1477.3	1329.0	1170.1	1023.8	911.2	816.3	747.8	698.3
45°	1228.1	1370.8	1437.0	1394.5	1251.3	1088.5	937.9	823.8	737.6	673.3	635.0
47.5°	1060.7	1216.6	1305.6	1290.5	1164.7	1003.5	854.7	745.1	661.2	609.9	575.7
50°	942.2	1102.5	1209.9	1214.8	1102.5	942.8	793.4	690.2	613.1	565.2	537.3
52.5°	839.2	992.2	1109.4	1135.1	1033.0	879.6	738.6	635.9	568.0	523.9	498.9
55°	704.8	834.2	964.1	1011.4	929.5	783.8	653.2	562.8	499.0	468.7	446.8
57.5°	586.0	693.8	813.7	866.1	815.6	690.9	568.5	489.9	438.2	411.6	394.8
60°	523.3	608.3	715.2	777.7	734.0	622.9	516.0	441.3	398.9	375.2	359.4
62.5°	465.0	540.3	630.7	687.9	664.0	559.3	463.6	397.7	361.0	338.7	327.3
65°	383.7	443.1	513.0	565.8	550.0	470.5	392.2	335.7	306.6	289.0	279.9
67.5°	315.9	358.9	407.3	453.6	440.8	384.5	321.6	277.7	256.0	240.7	235.3
70°	273.2	305.9	349.1	386.1	375.8	329.6	279.9	242.2	223.4	210.6	205.2
72.5°	232.4	259.4	292.2	322.5	315.5	277.2	235.7	207.2	192.8	181.0	176.6
75°	175.5	196.1	216.1	236.1	234.3	204.6	180.3	158.4	146.9	137.8	136.0
77.5°	129.5	141.1	154.7	166.6	163.3	146.3	127.2	114.7	106.2	100.1	99.2
80°	98.9	105.6	115.3	123.8	119.6	112.3	97.1	88.0	82.0	75.9	73.4
82.5°	71.8	78.4	84.3	88.9	85.6	78.8	69.5	63.3	59.7	55.5	54.5
85°	37.6	41.3	43.7	44.9	43.7	39.5	35.2	32.8	29.8	28.0	27.3
87.5°	16.4	16.2	16.0	16.8	15.1	14.7	12.5	10.8	10.6	10.4	9.7
90°	9.3	8.3	7.3	6.1	4.8	3.3	2.0	0.6	2.0	3.3	4.8
92.5°	12.1	11.6	11.2	10.9	11.1	11.2	11.3	11.4	11.3	11.2	11.1
95°	20.4	19.5	18.5	20.2	24.4	28.5	32.7	36.8	32.7	28.5	24.4
97.5°	25.5	23.4	21.4	26.2	37.9	49.7	61.4	73.1	61.4	49.7	37.9
100°	28.0	25.9	23.8	31.3	48.6	65.8	83.0	100.3	83.0	65.8	48.6
102.5°	69.0	86.9	104.8	115.6	119.3	122.9	126.6	130.2	126.6	122.9	119.3
105°	103.3	137.7	172.1	187.4	183.6	179.8	176.0	172.3	176.0	179.8	183.6
107.5°	130.9	172.1	213.3	232.4	229.3	226.3	223.2	220.2	223.2	226.3	229.3
110°	172.0	208.3	244.7	261.6	259.0	256.4	253.7	251.0	253.7	256.4	259.0



TEST NUMBER: P331438-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	268.1	277.1	286.1	289.4	287.1	284.7	282.4	280.0	282.4	284.7	287.1
115°	343.3	340.2	337.1	334.4	332.2	330.1	328.0	325.8	328.0	330.1	332.2
117.5°	382.9	380.8	378.6	376.3	373.9	371.5	369.2	366.8	369.2	371.5	373.9
120°	410.8	408.6	406.3	404.3	402.3	400.4	398.5	396.6	398.5	400.4	402.3
122.5°	437.2	434.7	432.2	430.0	428.0	426.0	424.1	422.1	424.1	426.0	428.0
125°	474.0	471.7	469.3	467.2	465.6	464.0	462.3	460.7	462.3	464.0	465.6
127.5°	508.3	506.6	504.8	503.0	501.1	499.4	497.6	495.7	497.6	499.4	501.1
130°	530.4	529.1	527.7	526.0	523.9	522.0	520.0	517.9	520.0	522.0	523.9
132.5°	551.8	550.4	549.0	547.5	545.7	544.1	542.3	540.6	542.3	544.1	545.7
135°	581.9	580.8	579.7	578.1	576.2	574.1	572.1	570.1	572.1	574.1	576.2
137.5°	609.4	608.2	606.9	605.5	604.1	602.7	601.3	599.9	601.3	602.7	604.1
140°	627.4	626.0	624.6	623.4	622.4	621.4	620.4	619.4	620.4	621.4	622.4
142.5°	643.7	642.1	640.6	639.3	638.4	637.5	636.6	635.7	636.6	637.5	638.4
145°	666.1	663.9	661.8	660.8	660.9	661.1	661.2	661.3	661.2	661.1	660.9
147.5°	686.7	684.7	682.5	681.8	682.2	682.7	683.2	683.7	683.2	682.7	682.2
150°	699.2	697.2	695.2	694.6	695.5	696.4	697.3	698.2	697.3	696.4	695.5
152.5°	710.7	708.8	706.9	706.5	707.4	708.4	709.4	710.3	709.4	708.4	707.4
155°	726.8	725.3	723.8	723.7	724.8	725.9	727.1	728.2	727.1	725.9	724.8
157.5°	740.5	739.4	738.3	738.3	739.3	740.2	741.2	742.1	741.2	740.2	739.3
160°	748.8	748.0	747.3	747.3	748.0	748.8	749.5	750.3	749.5	748.8	748.0
162.5°	755.7	755.1	754.5	754.5	755.3	756.1	756.8	757.6	756.8	756.1	755.3
165°	764.9	764.5	764.1	764.2	765.0	765.8	766.5	767.3	766.5	765.8	765.0
167.5°	772.0	771.7	771.3	771.5	772.3	773.0	773.8	774.5	773.8	773.0	772.3
170°	775.9	775.6	775.3	775.6	776.3	777.1	777.8	778.6	777.8	777.1	776.3
172.5°	778.6	778.3	778.1	778.3	779.0	779.8	780.5	781.3	780.5	779.8	779.0
175°	781.5	781.3	781.0	781.3	782.2	783.1	783.9	784.8	783.9	783.1	782.2
177.5°	782.5	782.4	782.3	782.6	783.3	784.0	784.7	785.4	784.7	784.0	783.3
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



TEST NUMBER: P331438-927

CATALOG NUMBER: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1558.8	1555.8	1545.6	1540.3	1531.6	1523.3	1518.0	1520.4	1522.3	1521.4	1519.9
5°	1514.1	1502.5	1484.9	1469.7	1458.8	1438.8	1430.3	1426.1	1422.4	1418.2	1413.9
7.5°	1460.9	1442.7	1417.5	1395.8	1375.4	1350.5	1336.3	1327.9	1319.1	1309.5	1301.0
10°	1423.0	1397.5	1370.8	1340.5	1316.2	1293.7	1273.7	1260.3	1248.2	1236.7	1228.1
12.5°	1383.2	1353.8	1320.8	1279.3	1252.5	1220.4	1217.3	1193.8	1174.8	1167.7	1157.7
15°	1319.8	1278.5	1236.7	1187.5	1166.3	1137.1	1118.9	1100.7	1084.3	1072.7	1069.7
17.5°	1247.8	1194.4	1152.7	1117.4	1082.6	1052.7	1035.9	1021.4	1007.9	992.4	990.4
20°	1192.9	1146.8	1101.3	1070.3	1034.5	1004.1	983.5	968.9	957.4	948.2	940.4
22.5°	1141.0	1090.4	1048.8	1014.9	979.6	955.1	938.8	924.7	915.1	905.1	897.6
25°	1057.6	1018.1	972.6	934.3	905.1	889.4	876.0	863.9	857.9	851.1	842.6
27.5°	984.6	940.7	898.1	868.5	842.9	828.9	819.4	811.2	805.5	801.6	796.8
30°	933.1	888.7	855.4	826.2	805.0	791.1	785.0	780.1	773.4	771.0	768.6
32.5°	883.5	843.6	815.1	789.8	769.5	760.4	754.9	750.5	745.3	742.8	738.0
35°	813.5	780.1	752.2	738.2	721.8	713.9	709.7	703.6	698.8	696.3	695.7
37.5°	747.6	718.6	700.2	682.2	675.3	670.5	664.6	660.5	659.1	658.7	658.1
40°	704.8	681.1	664.8	650.2	647.1	639.8	635.0	631.4	631.4	632.0	631.4
42.5°	666.0	644.8	630.3	617.7	614.1	609.7	604.9	604.7	605.6	607.7	605.6
45°	607.1	591.9	581.6	575.5	568.9	564.6	564.0	565.8	566.4	567.0	568.9
47.5°	552.9	542.9	533.5	526.8	523.9	523.2	522.4	525.6	528.5	529.7	532.4
50°	520.9	509.4	501.5	497.2	494.8	493.5	494.8	498.4	500.8	503.9	505.7
52.5°	485.0	476.8	471.3	468.1	467.1	467.9	468.1	472.2	476.1	477.2	478.0
55°	435.3	429.2	428.0	422.6	424.9	424.4	427.4	429.8	433.5	437.1	437.7
57.5°	385.7	380.9	377.6	378.1	378.8	381.5	384.0	388.3	392.2	396.1	396.4
60°	352.8	350.3	348.5	348.5	349.7	353.3	356.3	360.6	363.1	365.4	367.3
62.5°	322.6	320.2	318.4	319.3	322.5	324.6	328.2	330.5	333.0	335.3	336.2
65°	275.0	273.8	275.6	276.9	277.4	280.5	284.7	286.5	289.0	290.2	294.5
67.5°	231.2	231.4	231.2	232.9	236.4	237.1	241.1	245.4	245.9	248.2	251.0
70°	201.5	202.8	204.0	205.2	208.3	209.5	212.5	214.3	216.7	218.6	220.4
72.5°	174.4	174.6	175.8	175.5	178.1	180.8	183.3	185.1	187.6	189.9	191.7
75°	134.2	134.2	135.4	136.0	139.0	142.0	141.5	142.7	145.1	147.5	148.8
77.5°	98.0	96.6	98.0	98.6	99.6	102.1	102.6	104.3	107.1	106.2	107.6
80°	74.7	72.9	74.7	75.3	75.3	78.3	78.3	79.5	81.4	79.5	81.4
82.5°	53.3	52.4	53.8	53.9	54.9	55.0	56.0	56.2	58.1	57.2	58.1
85°	26.7	26.1	26.7	26.1	26.7	27.3	27.3	26.7	26.7	28.0	26.1
87.5°	9.5	9.3	9.0	9.1	8.9	8.6	8.2	8.3	8.5	7.6	7.7
90°	6.1	7.3	8.3	9.3	10.3	11.3	12.0	12.6	13.2	13.9	14.3
92.5°	10.9	11.2	11.6	12.1	12.7	13.2	13.5	13.8	14.1	14.4	14.7
95°	20.2	18.5	19.5	20.4	21.2	22.1	22.7	23.4	24.0	24.6	24.9
97.5°	26.2	21.4	23.4	25.5	27.6	29.5	30.1	30.6	31.1	31.6	31.9
100°	31.3	23.8	25.9	28.0	30.2	32.3	33.3	34.3	35.3	36.4	37.0
102.5°	115.6	104.8	86.9	69.0	51.1	33.2	34.5	35.8	37.2	38.4	39.3
105°	187.4	172.1	137.7	103.3	68.9	34.5	36.0	37.3	38.7	40.1	41.0
107.5°	232.4	213.3	172.1	130.9	89.6	48.4	47.0	45.6	44.1	42.8	42.3
110°	261.6	244.7	208.3	172.0	135.5	99.2	86.6	74.0	61.4	48.8	42.8



TEST NUMBER: P331438-927

CATALOG NUMBER: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	289.4	286.1	277.1	268.1	259.1	250.1	204.2	158.3	112.3	66.4	43.6
115°	334.4	337.1	340.2	343.3	346.5	349.7	291.4	233.1	174.8	116.5	82.7
117.5°	376.3	378.6	380.8	382.9	385.1	387.3	373.2	359.1	344.9	330.8	308.9
120°	404.3	406.3	408.6	410.8	413.1	415.3	416.8	418.4	419.9	421.4	413.7
122.5°	430.0	432.2	434.7	437.2	439.7	442.1	443.0	443.9	444.8	445.8	444.6
125°	467.2	469.3	471.7	474.0	476.4	478.9	479.7	480.6	481.5	482.4	483.0
127.5°	503.0	504.8	506.6	508.3	510.2	511.9	513.3	514.5	515.8	517.1	517.8
130°	526.0	527.7	529.1	530.4	531.9	533.2	534.6	536.0	537.4	538.8	539.4
132.5°	547.5	549.0	550.4	551.8	553.2	554.5	555.7	556.9	558.1	559.3	559.8
135°	578.1	579.7	580.8	581.9	583.1	584.2	585.5	586.8	588.0	589.3	589.8
137.5°	605.5	606.9	608.2	609.4	610.7	612.0	613.2	614.5	615.7	617.0	617.3
140°	623.4	624.6	626.0	627.4	628.8	630.2	631.3	632.4	633.5	634.7	634.9
142.5°	639.3	640.6	642.1	643.7	645.3	646.9	647.9	649.0	650.0	651.0	651.3
145°	660.8	661.8	663.9	666.1	668.2	670.3	671.3	672.2	673.0	673.9	674.0
147.5°	681.8	682.5	684.7	686.7	688.9	691.0	691.7	692.3	693.0	693.6	693.7
150°	694.6	695.2	697.2	699.2	701.2	703.2	704.0	704.7	705.5	706.2	706.3
152.5°	706.5	706.9	708.8	710.7	712.6	714.5	715.3	716.1	716.8	717.6	717.6
155°	723.7	723.8	725.3	726.8	728.3	729.8	730.6	731.4	732.1	732.9	732.8
157.5°	738.3	738.3	739.4	740.5	741.5	742.6	743.5	744.3	745.1	746.0	745.9
160°	747.3	747.3	748.0	748.8	749.5	750.3	751.1	751.8	752.6	753.3	753.2
162.5°	754.5	754.5	755.1	755.7	756.5	757.1	758.0	758.8	759.6	760.5	760.4
165°	764.2	764.1	764.5	764.9	765.2	765.6	766.4	767.3	768.3	769.1	769.1
167.5°	771.5	771.3	771.7	772.0	772.4	772.7	773.6	774.5	775.4	776.3	776.1
170°	775.6	775.3	775.6	775.9	776.1	776.3	777.2	778.1	779.0	779.9	779.7
172.5°	778.3	778.1	778.3	778.6	778.8	779.0	780.0	780.9	781.7	782.6	782.4
175°	781.3	781.0	781.3	781.5	781.7	782.0	782.9	783.8	784.7	785.5	785.4
177.5°	782.6	782.3	782.4	782.5	782.6	782.7	783.4	784.1	784.8	785.5	785.4
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



TEST NUMBER: P331438-927

CATALOG NUMBER: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1515.0	1514.1	1514.1	1509.7	1514.1	1514.1	1515.0	1519.9	1521.4	1522.3	1520.4
5°	1405.4	1403.6	1400.6	1403.6	1400.6	1403.6	1405.4	1413.9	1418.2	1422.4	1426.1
7.5°	1297.0	1289.7	1288.6	1281.4	1288.6	1289.7	1297.0	1301.0	1309.5	1319.1	1327.9
10°	1217.8	1213.0	1212.4	1200.8	1212.4	1213.0	1217.8	1228.1	1236.7	1248.2	1260.3
12.5°	1157.6	1146.0	1148.3	1141.5	1148.3	1146.0	1157.6	1157.7	1167.7	1174.8	1193.8
15°	1053.3	1053.3	1050.9	1040.5	1050.9	1053.3	1053.3	1069.7	1072.7	1084.3	1100.7
17.5°	978.4	977.2	971.4	974.2	971.4	977.2	978.4	990.4	992.4	1007.9	1021.4
20°	933.7	930.1	922.8	922.8	922.8	930.1	933.7	940.4	948.2	957.4	968.9
22.5°	891.4	891.2	883.4	885.9	883.4	891.2	891.4	897.6	905.1	915.1	924.7
25°	842.0	837.2	833.5	835.4	833.5	837.2	842.0	842.6	851.1	857.9	863.9
27.5°	795.2	792.5	792.3	787.3	792.3	792.5	795.2	796.8	801.6	805.5	811.2
30°	767.9	761.9	763.1	760.1	763.1	761.9	767.9	768.6	771.0	773.4	780.1
32.5°	736.9	734.7	733.5	730.9	733.5	734.7	736.9	738.0	742.8	745.3	750.5
35°	694.5	695.1	692.1	693.3	692.1	695.1	694.5	695.7	696.3	698.8	703.6
37.5°	657.5	659.4	658.0	658.3	658.0	659.4	657.5	658.1	658.7	659.1	660.5
40°	633.2	633.2	633.2	635.0	633.2	633.2	633.2	631.4	632.0	631.4	631.4
42.5°	609.9	609.0	607.9	607.8	607.9	609.0	609.9	605.6	607.7	605.6	604.7
45°	570.1	571.9	572.5	569.4	572.5	571.9	570.1	568.9	567.0	566.4	565.8
47.5°	534.0	534.2	534.0	536.7	534.0	534.2	534.0	532.4	529.7	528.5	525.6
50°	508.7	507.6	508.7	507.6	508.7	507.6	508.7	505.7	503.9	500.8	498.4
52.5°	482.0	482.3	481.6	481.3	481.6	482.3	482.0	478.0	477.2	476.1	472.2
55°	440.1	441.3	440.8	440.8	440.8	441.3	440.1	437.7	437.1	433.5	429.8
57.5°	396.8	397.9	398.7	396.1	398.7	397.9	396.8	396.4	396.1	392.2	388.3
60°	366.7	369.7	369.1	367.9	369.1	369.7	366.7	367.3	365.4	363.1	360.6
62.5°	339.0	340.1	340.0	339.8	340.0	340.1	339.0	336.2	335.3	333.0	330.5
65°	296.3	297.5	295.6	297.5	295.6	297.5	296.3	294.5	290.2	289.0	286.5
67.5°	250.3	250.6	251.9	252.8	251.9	250.6	250.3	251.0	248.2	245.9	245.4
70°	221.6	221.0	222.8	224.7	222.8	221.0	221.6	220.4	218.6	216.7	214.3
72.5°	191.5	192.8	192.2	193.5	192.2	192.8	191.5	191.7	189.9	187.6	185.1
75°	147.5	149.3	148.8	150.6	148.8	149.3	147.5	148.8	147.5	145.1	142.7
77.5°	106.6	106.9	106.6	107.6	106.6	106.9	106.6	107.6	106.2	107.1	104.3
80°	81.4	80.2	78.9	81.4	78.9	80.2	81.4	81.4	79.5	81.4	79.5
82.5°	56.6	57.3	56.1	56.1	56.1	57.3	56.6	58.1	57.2	58.1	56.2
85°	26.1	25.5	24.3	24.3	24.3	25.5	26.1	26.1	28.0	26.7	26.7
87.5°	7.8	7.4	7.4	7.0	7.4	7.4	7.8	7.7	7.6	8.5	8.3
90°	14.6	14.8	15.1	15.3	15.1	14.8	14.6	14.3	13.9	13.2	12.6
92.5°	14.8	15.0	15.1	15.3	15.1	15.0	14.8	14.7	14.4	14.1	13.8
95°	24.7	24.6	24.5	24.4	24.5	24.6	24.7	24.9	24.6	24.0	23.4
97.5°	32.1	32.2	32.4	32.6	32.4	32.2	32.1	31.9	31.6	31.1	30.6
100°	37.2	37.5	37.7	37.9	37.7	37.5	37.2	37.0	36.4	35.3	34.3
102.5°	39.6	40.0	40.3	40.7	40.3	40.0	39.6	39.3	38.4	37.2	35.8
105°	41.6	42.1	42.5	43.1	42.5	42.1	41.6	41.0	40.1	38.7	37.3
107.5°	42.8	43.3	43.8	44.3	43.8	43.3	42.8	42.3	42.8	44.1	45.6
110°	43.3	43.7	44.3	44.8	44.3	43.7	43.3	42.8	48.8	61.4	74.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	44.0	44.4	44.8	45.2	44.8	44.4	44.0	43.6	66.4	112.3	158.3
115°	73.7	64.6	55.5	46.5	55.5	64.6	73.7	82.7	116.5	174.8	233.1
117.5°	279.1	249.3	219.5	189.7	219.5	249.3	279.1	308.9	330.8	344.9	359.1
120°	396.6	379.7	362.7	345.7	362.7	379.7	396.6	413.7	421.4	419.9	418.4
122.5°	441.2	437.9	434.7	431.3	434.7	437.9	441.2	444.6	445.8	444.8	443.9
125°	483.4	483.8	484.1	484.5	484.1	483.8	483.4	483.0	482.4	481.5	480.6
127.5°	517.8	517.9	518.0	518.1	518.0	517.9	517.8	517.8	517.1	515.8	514.5
130°	539.3	539.2	539.0	538.9	539.0	539.2	539.3	539.4	538.8	537.4	536.0
132.5°	559.7	559.6	559.4	559.3	559.4	559.6	559.7	559.8	559.3	558.1	556.9
135°	589.5	589.3	589.0	588.7	589.0	589.3	589.5	589.8	589.3	588.0	586.8
137.5°	617.0	616.5	616.1	615.6	616.1	616.5	617.0	617.3	617.0	615.7	614.5
140°	634.3	633.7	633.0	632.4	633.0	633.7	634.3	634.9	634.7	633.5	632.4
142.5°	650.6	650.0	649.4	648.7	649.4	650.0	650.6	651.3	651.0	650.0	649.0
145°	673.4	672.8	672.2	671.5	672.2	672.8	673.4	674.0	673.9	673.0	672.2
147.5°	693.2	692.6	692.1	691.6	692.1	692.6	693.2	693.7	693.6	693.0	692.3
150°	705.7	705.0	704.4	703.8	704.4	705.0	705.7	706.3	706.2	705.5	704.7
152.5°	716.8	715.9	715.1	714.2	715.1	715.9	716.8	717.6	717.6	716.8	716.1
155°	731.7	730.8	729.8	728.7	729.8	730.8	731.7	732.8	732.9	732.1	731.4
157.5°	745.0	743.9	743.0	742.0	743.0	743.9	745.0	745.9	746.0	745.1	744.3
160°	752.3	751.5	750.6	749.7	750.6	751.5	752.3	753.2	753.3	752.6	751.8
162.5°	759.3	758.2	757.2	756.1	757.2	758.2	759.3	760.4	760.5	759.6	758.8
165°	768.3	767.3	766.4	765.6	766.4	767.3	768.3	769.1	769.1	768.3	767.3
167.5°	775.0	773.9	772.7	771.6	772.7	773.9	775.0	776.1	776.3	775.4	774.5
170°	778.6	777.4	776.3	775.2	776.3	777.4	778.6	779.7	779.9	779.0	778.1
172.5°	781.3	780.2	779.0	777.9	779.0	780.2	781.3	782.4	782.6	781.7	780.9
175°	784.1	782.8	781.6	780.3	781.6	782.8	784.1	785.4	785.5	784.7	783.8
177.5°	784.5	783.6	782.7	781.8	782.7	783.6	784.5	785.4	785.5	784.8	784.1
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



TEST NUMBER: P331438-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1518.0	1523.3	1531.6	1540.3	1545.6	1555.8	1558.8	1563.6	1568.0	1578.2	1588.9
5°	1430.3	1438.8	1458.8	1469.7	1484.9	1502.5	1514.1	1526.2	1539.6	1562.7	1583.9
7.5°	1336.3	1350.5	1375.4	1395.8	1417.5	1442.7	1460.9	1484.9	1504.8	1537.4	1568.4
10°	1273.7	1293.7	1316.2	1340.5	1370.8	1397.5	1423.0	1453.3	1477.7	1516.5	1552.9
12.5°	1217.3	1220.4	1252.5	1279.3	1320.8	1353.8	1383.2	1422.3	1446.0	1492.2	1530.6
15°	1118.9	1137.1	1166.3	1187.5	1236.7	1278.5	1319.8	1360.5	1387.8	1444.9	1495.2
17.5°	1035.9	1052.7	1082.6	1117.4	1152.7	1194.4	1247.8	1290.7	1327.9	1393.1	1452.6
20°	983.5	1004.1	1034.5	1070.3	1101.3	1146.8	1192.9	1242.1	1282.1	1355.7	1425.5
22.5°	938.8	955.1	979.6	1014.9	1048.8	1090.4	1141.0	1194.5	1236.5	1315.8	1386.6
25°	876.0	889.4	905.1	934.3	972.6	1018.1	1057.6	1116.4	1177.7	1251.8	1337.4
27.5°	819.4	828.9	842.9	868.5	898.1	940.7	984.6	1040.5	1102.1	1182.5	1272.8
30°	785.0	791.1	805.0	826.2	855.4	888.7	933.1	986.5	1049.6	1131.0	1220.8
32.5°	754.9	760.4	769.5	789.8	815.1	843.6	883.5	937.0	997.2	1077.1	1176.6
35°	709.7	713.9	721.8	738.2	752.2	780.1	813.5	862.1	918.5	995.1	1098.2
37.5°	664.6	670.5	675.3	682.2	700.2	718.6	747.6	788.6	844.0	921.2	1019.5
40°	635.0	639.8	647.1	650.2	664.8	681.1	704.8	742.4	798.4	868.7	964.6
42.5°	604.9	609.7	614.1	617.7	630.3	644.8	666.0	698.3	747.8	816.3	911.2
45°	564.0	564.6	568.9	575.5	581.6	591.9	607.1	635.0	673.3	737.6	823.8
47.5°	522.4	523.2	523.9	526.8	533.5	542.9	552.9	575.7	609.9	661.2	745.1
50°	494.8	493.5	494.8	497.2	501.5	509.4	520.9	537.3	565.2	613.1	690.2
52.5°	468.1	467.9	467.1	468.1	471.3	476.8	485.0	498.9	523.9	568.0	635.9
55°	427.4	424.4	424.9	422.6	428.0	429.2	435.3	446.8	468.7	499.0	562.8
57.5°	384.0	381.5	378.8	378.1	377.6	380.9	385.7	394.8	411.6	438.2	489.9
60°	356.3	353.3	349.7	348.5	348.5	350.3	352.8	359.4	375.2	398.9	441.3
62.5°	328.2	324.6	322.5	319.3	318.4	320.2	322.6	327.3	338.7	361.0	397.7
65°	284.7	280.5	277.4	276.9	275.6	273.8	275.0	279.9	289.0	306.6	335.7
67.5°	241.1	237.1	236.4	232.9	231.2	231.4	231.2	235.3	240.7	256.0	277.7
70°	212.5	209.5	208.3	205.2	204.0	202.8	201.5	205.2	210.6	223.4	242.2
72.5°	183.3	180.8	178.1	175.5	175.8	174.6	174.4	176.6	181.0	192.8	207.2
75°	141.5	142.0	139.0	136.0	135.4	134.2	134.2	136.0	137.8	146.9	158.4
77.5°	102.6	102.1	99.6	98.6	98.0	96.6	98.0	99.2	100.1	106.2	114.7
80°	78.3	78.3	75.3	75.3	74.7	72.9	74.7	73.4	75.9	82.0	88.0
82.5°	56.0	55.0	54.9	53.9	53.8	52.4	53.3	54.5	55.5	59.7	63.3
85°	27.3	27.3	26.7	26.1	26.7	26.1	26.7	27.3	28.0	29.8	32.8
87.5°	8.2	8.6	8.9	9.1	9.0	9.3	9.5	9.7	10.4	10.6	10.8
90°	12.0	11.3	10.3	9.3	8.3	7.3	6.1	4.8	3.3	2.0	0.6
92.5°	13.5	13.2	12.7	12.1	11.6	11.2	10.9	11.1	11.2	11.3	11.4
95°	22.7	22.1	21.2	20.4	19.5	18.5	20.2	24.4	28.5	32.7	36.8
97.5°	30.1	29.5	27.6	25.5	23.4	21.4	26.2	37.9	49.7	61.4	73.1
100°	33.3	32.3	30.2	28.0	25.9	23.8	31.3	48.6	65.8	83.0	100.3
102.5°	34.5	33.2	51.1	69.0	86.9	104.8	115.6	119.3	122.9	126.6	130.2
105°	36.0	34.5	68.9	103.3	137.7	172.1	187.4	183.6	179.8	176.0	172.3
107.5°	47.0	48.4	89.6	130.9	172.1	213.3	232.4	229.3	226.3	223.2	220.2
110°	86.6	99.2	135.5	172.0	208.3	244.7	261.6	259.0	256.4	253.7	251.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	204.2	250.1	259.1	268.1	277.1	286.1	289.4	287.1	284.7	282.4	280.0
115°	291.4	349.7	346.5	343.3	340.2	337.1	334.4	332.2	330.1	328.0	325.8
117.5°	373.2	387.3	385.1	382.9	380.8	378.6	376.3	373.9	371.5	369.2	366.8
120°	416.8	415.3	413.1	410.8	408.6	406.3	404.3	402.3	400.4	398.5	396.6
122.5°	443.0	442.1	439.7	437.2	434.7	432.2	430.0	428.0	426.0	424.1	422.1
125°	479.7	478.9	476.4	474.0	471.7	469.3	467.2	465.6	464.0	462.3	460.7
127.5°	513.3	511.9	510.2	508.3	506.6	504.8	503.0	501.1	499.4	497.6	495.7
130°	534.6	533.2	531.9	530.4	529.1	527.7	526.0	523.9	522.0	520.0	517.9
132.5°	555.7	554.5	553.2	551.8	550.4	549.0	547.5	545.7	544.1	542.3	540.6
135°	585.5	584.2	583.1	581.9	580.8	579.7	578.1	576.2	574.1	572.1	570.1
137.5°	613.2	612.0	610.7	609.4	608.2	606.9	605.5	604.1	602.7	601.3	599.9
140°	631.3	630.2	628.8	627.4	626.0	624.6	623.4	622.4	621.4	620.4	619.4
142.5°	647.9	646.9	645.3	643.7	642.1	640.6	639.3	638.4	637.5	636.6	635.7
145°	671.3	670.3	668.2	666.1	663.9	661.8	660.8	660.9	661.1	661.2	661.3
147.5°	691.7	691.0	688.9	686.7	684.7	682.5	681.8	682.2	682.7	683.2	683.7
150°	704.0	703.2	701.2	699.2	697.2	695.2	694.6	695.5	696.4	697.3	698.2
152.5°	715.3	714.5	712.6	710.7	708.8	706.9	706.5	707.4	708.4	709.4	710.3
155°	730.6	729.8	728.3	726.8	725.3	723.8	723.7	724.8	725.9	727.1	728.2
157.5°	743.5	742.6	741.5	740.5	739.4	738.3	738.3	739.3	740.2	741.2	742.1
160°	751.1	750.3	749.5	748.8	748.0	747.3	747.3	748.0	748.8	749.5	750.3
162.5°	758.0	757.1	756.5	755.7	755.1	754.5	754.5	755.3	756.1	756.8	757.6
165°	766.4	765.6	765.2	764.9	764.5	764.1	764.2	765.0	765.8	766.5	767.3
167.5°	773.6	772.7	772.4	772.0	771.7	771.3	771.5	772.3	773.0	773.8	774.5
170°	777.2	776.3	776.1	775.9	775.6	775.3	775.6	776.3	777.1	777.8	778.6
172.5°	780.0	779.0	778.8	778.6	778.3	778.1	778.3	779.0	779.8	780.5	781.3
175°	782.9	782.0	781.7	781.5	781.3	781.0	781.3	782.2	783.1	783.9	784.8
177.5°	783.4	782.7	782.6	782.5	782.4	782.3	782.6	783.3	784.0	784.7	785.4
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



TEST NUMBER: P331438-927

CATALOG NUMBER: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1587.9	1590.3	1598.1	1605.9	1614.6	1617.1	1621.0	1617.6	1616.5	1625.8	1632.6
5°	1592.4	1603.3	1624.6	1644.0	1660.4	1671.9	1684.1	1688.9	1698.0	1710.8	1726.6
7.5°	1587.3	1608.5	1642.0	1670.2	1701.1	1723.3	1740.7	1755.5	1773.5	1797.6	1823.9
10°	1581.4	1610.0	1650.7	1685.3	1722.9	1751.4	1775.1	1798.2	1825.0	1858.3	1892.9
12.5°	1570.8	1604.6	1655.5	1696.5	1744.8	1772.8	1804.7	1854.6	1883.2	1929.7	1978.4
15°	1549.3	1586.9	1658.0	1708.3	1763.0	1816.4	1875.3	1922.6	1970.0	1997.3	2065.9
17.5°	1517.3	1572.6	1651.3	1710.1	1779.5	1863.6	1929.8	1983.5	2038.1	2082.4	2116.8
20°	1491.6	1551.7	1641.6	1712.0	1794.5	1885.0	1960.9	2015.5	2062.9	2099.9	2121.1
22.5°	1459.0	1534.7	1622.2	1704.7	1810.1	1899.6	1979.3	2022.4	2061.9	2080.0	2088.1
25°	1407.9	1498.9	1597.8	1698.7	1817.7	1912.3	1985.2	2011.3	2022.8	2005.3	1976.1
27.5°	1352.6	1454.1	1569.8	1687.2	1813.0	1904.1	1956.3	1952.2	1932.6	1875.7	1830.1
30°	1311.3	1423.0	1547.4	1675.5	1801.8	1890.5	1920.8	1890.5	1846.2	1782.4	1717.5
32.5°	1268.1	1383.7	1523.7	1659.1	1781.5	1859.4	1866.0	1813.8	1745.2	1672.7	1591.7
35°	1202.6	1327.7	1478.8	1622.2	1738.1	1787.2	1758.2	1665.9	1584.5	1485.6	1375.1
37.5°	1128.7	1266.8	1418.4	1568.1	1673.2	1686.0	1613.7	1516.5	1401.8	1285.5	1155.4
40°	1073.3	1219.6	1375.7	1526.9	1619.7	1606.4	1514.1	1407.2	1270.7	1128.5	1007.7
42.5°	1023.8	1170.1	1329.0	1477.3	1551.7	1515.0	1407.2	1276.1	1129.3	995.5	884.9
45°	937.9	1088.5	1251.3	1394.5	1437.0	1370.8	1228.1	1082.4	937.9	826.2	738.9
47.5°	854.7	1003.5	1164.7	1290.5	1305.6	1216.6	1060.7	910.8	786.6	695.6	633.9
50°	793.4	942.8	1102.5	1214.8	1209.9	1102.5	942.2	799.5	695.7	622.3	581.0
52.5°	738.6	879.6	1033.0	1135.1	1109.4	992.2	839.2	712.6	627.2	569.8	532.4
55°	653.2	783.8	929.5	1011.4	964.1	834.2	704.8	602.9	539.7	496.6	467.5
57.5°	568.5	690.9	815.6	866.1	813.7	693.8	586.0	512.0	464.5	432.6	413.7
60°	516.0	622.9	734.0	777.7	715.2	608.3	523.3	457.2	418.9	392.8	375.8
62.5°	463.6	559.3	664.0	687.9	630.7	540.3	465.0	410.0	378.6	355.4	339.4
65°	392.2	470.5	550.0	565.8	513.0	443.1	383.7	347.8	320.0	302.9	290.2
67.5°	321.6	384.5	440.8	453.6	407.3	358.9	315.9	284.7	265.8	251.7	240.9
70°	279.9	329.6	375.8	386.1	349.1	305.9	273.2	248.3	231.3	219.2	208.8
72.5°	235.7	277.2	315.5	322.5	292.2	259.4	232.4	212.9	197.8	190.0	180.2
75°	180.3	204.6	234.3	236.1	216.1	196.1	175.5	162.7	154.8	145.1	140.2
77.5°	127.2	146.3	163.3	166.6	154.7	141.1	129.5	119.5	112.8	108.3	103.8
80°	97.1	112.3	119.6	123.8	115.3	105.6	98.9	92.3	88.0	85.0	82.0
82.5°	69.5	78.8	85.6	88.9	84.3	78.4	71.8	68.0	64.7	62.2	61.1
85°	35.2	39.5	43.7	44.9	43.7	41.3	37.6	37.6	35.8	35.2	35.2
87.5°	12.5	14.7	15.1	16.8	16.0	16.2	16.4	16.2	15.8	15.5	15.1
90°	2.0	3.3	4.8	6.1	7.3	8.3	9.3	10.3	11.3	12.0	12.6
92.5°	11.3	11.2	11.1	10.9	11.2	11.6	12.1	12.7	13.2	13.5	13.8
95°	32.7	28.5	24.4	20.2	18.5	19.5	20.4	21.2	22.1	22.7	23.4
97.5°	61.4	49.7	37.9	26.2	21.4	23.4	25.5	27.6	29.5	30.1	30.6
100°	83.0	65.8	48.6	31.3	23.8	25.9	28.0	30.2	32.3	33.3	34.3
102.5°	126.6	122.9	119.3	115.6	104.8	86.9	69.0	51.1	33.2	34.5	35.8
105°	176.0	179.8	183.6	187.4	172.1	137.7	103.3	68.9	34.5	36.0	37.3
107.5°	223.2	226.3	229.3	232.4	213.3	172.1	130.9	89.6	48.4	47.0	45.6
110°	253.7	256.4	259.0	261.6	244.7	208.3	172.0	135.5	99.2	86.6	74.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	282.4	284.7	287.1	289.4	286.1	277.1	268.1	259.1	250.1	204.2	158.3
115°	328.0	330.1	332.2	334.4	337.1	340.2	343.3	346.5	349.7	291.4	233.1
117.5°	369.2	371.5	373.9	376.3	378.6	380.8	382.9	385.1	387.3	373.2	359.1
120°	398.5	400.4	402.3	404.3	406.3	408.6	410.8	413.1	415.3	416.8	418.4
122.5°	424.1	426.0	428.0	430.0	432.2	434.7	437.2	439.7	442.1	443.0	443.9
125°	462.3	464.0	465.6	467.2	469.3	471.7	474.0	476.4	478.9	479.7	480.6
127.5°	497.6	499.4	501.1	503.0	504.8	506.6	508.3	510.2	511.9	513.3	514.5
130°	520.0	522.0	523.9	526.0	527.7	529.1	530.4	531.9	533.2	534.6	536.0
132.5°	542.3	544.1	545.7	547.5	549.0	550.4	551.8	553.2	554.5	555.7	556.9
135°	572.1	574.1	576.2	578.1	579.7	580.8	581.9	583.1	584.2	585.5	586.8
137.5°	601.3	602.7	604.1	605.5	606.9	608.2	609.4	610.7	612.0	613.2	614.5
140°	620.4	621.4	622.4	623.4	624.6	626.0	627.4	628.8	630.2	631.3	632.4
142.5°	636.6	637.5	638.4	639.3	640.6	642.1	643.7	645.3	646.9	647.9	649.0
145°	661.2	661.1	660.9	660.8	661.8	663.9	666.1	668.2	670.3	671.3	672.2
147.5°	683.2	682.7	682.2	681.8	682.5	684.7	686.7	688.9	691.0	691.7	692.3
150°	697.3	696.4	695.5	694.6	695.2	697.2	699.2	701.2	703.2	704.0	704.7
152.5°	709.4	708.4	707.4	706.5	706.9	708.8	710.7	712.6	714.5	715.3	716.1
155°	727.1	725.9	724.8	723.7	723.8	725.3	726.8	728.3	729.8	730.6	731.4
157.5°	741.2	740.2	739.3	738.3	738.3	739.4	740.5	741.5	742.6	743.5	744.3
160°	749.5	748.8	748.0	747.3	747.3	748.0	748.8	749.5	750.3	751.1	751.8
162.5°	756.8	756.1	755.3	754.5	754.5	755.1	755.7	756.5	757.1	758.0	758.8
165°	766.5	765.8	765.0	764.2	764.1	764.5	764.9	765.2	765.6	766.4	767.3
167.5°	773.8	773.0	772.3	771.5	771.3	771.7	772.0	772.4	772.7	773.6	774.5
170°	777.8	777.1	776.3	775.6	775.3	775.6	775.9	776.1	776.3	777.2	778.1
172.5°	780.5	779.8	779.0	778.3	778.1	778.3	778.6	778.8	779.0	780.0	780.9
175°	783.9	783.1	782.2	781.3	781.0	781.3	781.5	781.7	782.0	782.9	783.8
177.5°	784.7	784.0	783.3	782.6	782.3	782.4	782.5	782.6	782.7	783.4	784.1
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1638.4	1645.2	1645.2	1646.2	1653.9	1653.0	1652.5
5°	1743.6	1753.9	1755.1	1766.0	1773.3	1770.8	1764.2
7.5°	1842.8	1861.9	1876.5	1884.7	1894.3	1900.2	1897.5
10°	1921.4	1949.4	1966.4	1977.9	1991.9	2002.2	1998.5
12.5°	1992.8	2026.1	2049.5	2069.2	2071.0	2084.2	2075.3
15°	2104.2	2139.4	2143.0	2157.6	2169.2	2167.9	2168.5
17.5°	2141.0	2152.3	2154.6	2154.9	2155.1	2150.8	2141.6
20°	2127.9	2123.6	2113.3	2105.4	2091.4	2089.6	2077.5
22.5°	2065.7	2052.2	2026.3	2009.2	1987.5	1981.8	1978.4
25°	1943.3	1913.5	1872.2	1832.8	1821.9	1800.6	1806.7
27.5°	1775.4	1729.0	1684.3	1652.3	1623.3	1591.4	1600.5
30°	1657.3	1605.1	1542.0	1493.4	1462.4	1432.1	1426.6
32.5°	1516.5	1440.0	1369.6	1326.8	1279.4	1260.2	1239.2
35°	1273.7	1199.0	1129.2	1069.1	1034.5	1007.7	983.5
37.5°	1055.3	969.3	912.9	864.3	839.2	823.9	827.8
40°	919.7	844.5	803.2	766.1	743.1	732.1	734.6
42.5°	810.0	753.6	719.6	694.3	678.0	671.9	670.5
45°	685.4	653.9	625.9	611.3	603.5	596.8	592.6
47.5°	600.4	574.6	558.9	550.2	543.4	536.5	536.4
50°	549.4	532.4	521.5	512.4	506.9	502.1	506.3
52.5°	510.6	495.0	484.1	475.9	473.9	469.5	469.4
55°	452.9	440.8	432.8	425.6	421.9	419.5	416.5
57.5°	400.4	388.9	381.6	377.0	370.1	367.7	366.7
60°	363.1	353.9	346.7	340.6	337.5	332.7	332.7
62.5°	328.5	319.5	312.7	308.0	303.1	301.1	301.6
65°	278.7	271.4	264.7	259.8	258.6	255.0	256.2
67.5°	232.7	227.9	220.9	218.2	215.9	214.0	212.5
70°	202.2	197.3	193.7	190.0	188.2	188.2	188.2
72.5°	176.4	170.6	168.4	163.8	164.9	163.0	161.0
75°	136.6	132.9	131.1	129.3	126.3	126.3	126.3
77.5°	100.5	99.4	97.3	95.3	94.6	94.0	94.2
80°	77.7	77.1	75.9	75.9	74.7	74.1	72.9
82.5°	59.7	58.1	57.4	57.0	56.7	56.6	56.3
85°	34.0	32.8	32.8	33.4	32.2	32.2	32.8
87.5°	15.8	15.9	15.4	15.5	16.1	15.6	15.7
90°	13.2	13.9	14.3	14.6	14.8	15.1	15.3
92.5°	14.1	14.4	14.7	14.8	15.0	15.1	15.3
95°	24.0	24.6	24.9	24.7	24.6	24.5	24.4
97.5°	31.1	31.6	31.9	32.1	32.2	32.4	32.6
100°	35.3	36.4	37.0	37.2	37.5	37.7	37.9
102.5°	37.2	38.4	39.3	39.6	40.0	40.3	40.7
105°	38.7	40.1	41.0	41.6	42.1	42.5	43.1
107.5°	44.1	42.8	42.3	42.8	43.3	43.8	44.3
110°	61.4	48.8	42.8	43.3	43.7	44.3	44.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	112.3	66.4	43.6	44.0	44.4	44.8	45.2
115°	174.8	116.5	82.7	73.7	64.6	55.5	46.5
117.5°	344.9	330.8	308.9	279.1	249.3	219.5	189.7
120°	419.9	421.4	413.7	396.6	379.7	362.7	345.7
122.5°	444.8	445.8	444.6	441.2	437.9	434.7	431.3
125°	481.5	482.4	483.0	483.4	483.8	484.1	484.5
127.5°	515.8	517.1	517.8	517.8	517.9	518.0	518.1
130°	537.4	538.8	539.4	539.3	539.2	539.0	538.9
132.5°	558.1	559.3	559.8	559.7	559.6	559.4	559.3
135°	588.0	589.3	589.8	589.5	589.3	589.0	588.7
137.5°	615.7	617.0	617.3	617.0	616.5	616.1	615.6
140°	633.5	634.7	634.9	634.3	633.7	633.0	632.4
142.5°	650.0	651.0	651.3	650.6	650.0	649.4	648.7
145°	673.0	673.9	674.0	673.4	672.8	672.2	671.5
147.5°	693.0	693.6	693.7	693.2	692.6	692.1	691.6
150°	705.5	706.2	706.3	705.7	705.0	704.4	703.8
152.5°	716.8	717.6	717.6	716.8	715.9	715.1	714.2
155°	732.1	732.9	732.8	731.7	730.8	729.8	728.7
157.5°	745.1	746.0	745.9	745.0	743.9	743.0	742.0
160°	752.6	753.3	753.2	752.3	751.5	750.6	749.7
162.5°	759.6	760.5	760.4	759.3	758.2	757.2	756.1
165°	768.3	769.1	769.1	768.3	767.3	766.4	765.6
167.5°	775.4	776.3	776.1	775.0	773.9	772.7	771.6
170°	779.0	779.9	779.7	778.6	777.4	776.3	775.2
172.5°	781.7	782.6	782.4	781.3	780.2	779.0	777.9
175°	784.7	785.5	785.4	784.1	782.8	781.6	780.3
177.5°	784.8	785.5	785.4	784.5	783.6	782.7	781.8
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2

(END OF REPORT)