

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: P332933

Luminaire Tested: **SA4XXRDIP-C795D590U835-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332933
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D590U835-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

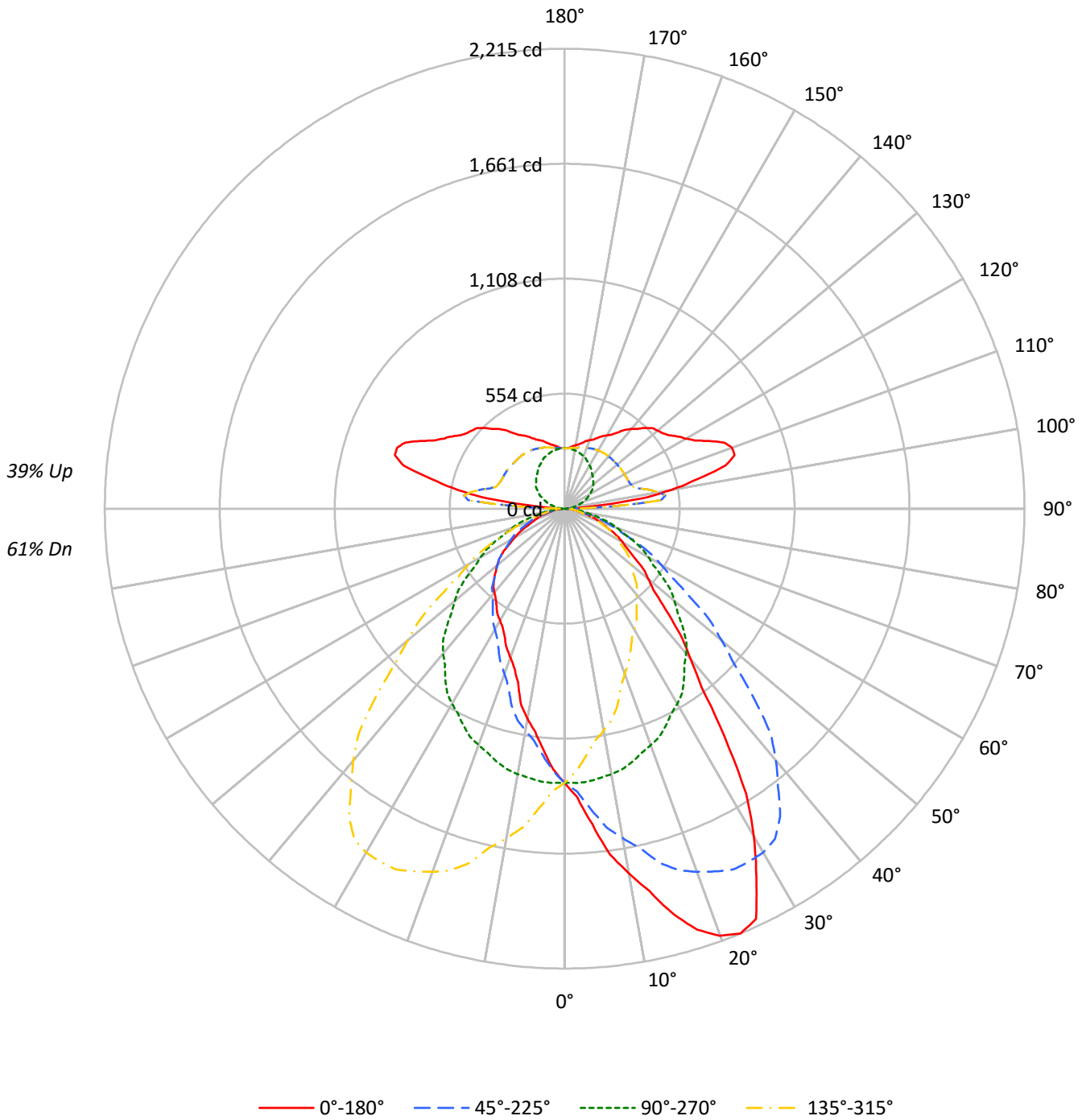
Lumens per Lamp: N/A
Luminaire Lumens: 5450.1 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 40.3
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	103	103	103	103	90	90	90	78	78	78	66	66	66	61
1	101	97	93	90	94	91	87	85	79	77	75	69	67	66	60	58	57	53
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	45
3	85	75	68	62	79	71	65	59	63	58	54	55	51	48	48	45	42	39
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	43	40	37	34
5	71	60	52	46	67	57	49	44	50	45	40	44	40	36	39	35	33	30
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	46	39	34	41	36	31	37	32	29	32	29	26	23
8	57	45	37	32	53	42	35	30	38	32	28	34	29	26	30	26	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19
10	50	38	30	26	47	36	29	25	32	27	23	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10656	10656	10656	10656
5°	12361	10689	9447	10689
10°	14623	10642	8432	10642
15°	16891	10543	7245	10543
20°	18806	10408	6552	10408
25°	19414	10276	6083	10276
30°	16995	10113	5800	10113
35°	13230	9875	5629	9875
40°	9921	9601	5538	9601
45°	7833	9162	5489	9162
50°	6612	8657	5330	8657
55°	5764	8099	5046	8099
60°	5186	7522	4466	7522
65°	4571	6898	3840	6898
70°	4116	6253	3465	6253
75°	3450	5540	2954	5540
80°	2920	4723	2771	4723
85°	2464	3696	2464	3696



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.9	2.3
10°-20°	385.8	7.1
20°-30°	603.4	11.1
30°-40°	670.8	12.3
40°-50°	595.2	10.9
50°-60°	463.8	8.5
60°-70°	303.6	5.6
70°-80°	149.3	2.7
80°-90°	38.5	0.7
90°-100°	209.7	3.8
100°-110°	436.5	8.0
110°-120°	391.0	7.2
120°-130°	328.9	6.0
130°-140°	274.2	5.0
140°-150°	209.5	3.8
150°-160°	147.2	2.7
160°-170°	86.6	1.6
170°-180°	28.2	0.5
0°-30°	1117.1	20.5
0°-40°	1787.9	32.8
0°-60°	2846.9	52.2
0°-90°	3338.3	61.3
90°-120°	1037.2	19.0
90°-150°	1849.7	33.9
90°-180°	2112.0	38.8
0°-180°	5450.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1320	1320	1320	1320	1320	
5°	1525	1319	1166	1319	1525	154
15°	2021	1262	867	1262	2021	575
25°	2180	1154	683	1154	2180	967
35°	1342	1002	571	1002	1342	841
45°	686	802	481	802	686	543
55°	410	575	358	575	410	372
65°	239	361	201	361	239	241
75°	111	178	95	178	111	122
85°	27	40	27	40	27	30
90°	12	1	12	1	12	11
95°	139	19	139	19	139	216
105°	803	67	803	67	803	794
115°	771	118	771	118	771	765
125°	615	164	615	164	615	559
135°	550	194	550	194	550	424
145°	449	224	449	224	449	285
155°	376	255	376	255	376	175
165°	328	278	328	278	328	94
175°	296	290	296	290	296	29
180°	290	290	290	290	290	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1392.3	1396.2	1392.3	1391.9	1387.7	1386.4	1384.7	1379.2	1368.9	1363.0	1364.3
5°	1525.3	1538.6	1531.2	1530.1	1518.4	1506.7	1499.2	1482.2	1464.1	1451.9	1441.8
7.5°	1679.1	1686.8	1682.1	1674.6	1655.7	1645.0	1627.7	1605.3	1572.9	1548.1	1525.4
10°	1783.8	1790.2	1788.0	1774.2	1760.4	1732.2	1716.2	1684.9	1643.9	1611.5	1581.2
12.5°	1886.7	1893.6	1874.8	1875.5	1849.3	1827.1	1801.8	1762.3	1715.0	1673.2	1635.2
15°	2021.0	2012.5	2012.5	2001.8	1972.6	1941.7	1915.7	1874.2	1814.6	1764.6	1712.0
17.5°	2126.1	2129.0	2124.7	2099.6	2076.6	2044.7	1996.9	1948.5	1893.2	1826.1	1772.3
20°	2189.0	2189.0	2184.3	2167.2	2137.5	2103.4	2051.8	1999.2	1929.0	1861.4	1800.8
22.5°	2214.6	2216.3	2210.6	2196.6	2169.8	2136.6	2092.7	2039.2	1966.8	1890.8	1815.7
25°	2179.5	2189.6	2190.6	2186.9	2178.9	2158.7	2121.0	2066.2	2001.3	1918.9	1838.0
27.5°	2001.0	2013.7	2024.9	2043.3	2067.8	2080.5	2082.2	2054.4	1997.8	1918.4	1837.1
30°	1823.1	1833.8	1868.3	1913.5	1948.7	1980.6	2008.2	2015.7	1983.8	1912.5	1826.9
32.5°	1625.7	1640.2	1674.8	1723.4	1781.9	1835.9	1898.0	1929.7	1928.9	1886.1	1806.9
35°	1342.4	1353.0	1384.9	1436.0	1506.2	1586.5	1684.9	1761.4	1813.6	1809.8	1761.4
37.5°	1082.6	1094.6	1126.9	1169.2	1237.3	1336.7	1431.9	1537.4	1633.8	1687.9	1671.8
40°	941.4	941.9	973.3	1016.9	1080.7	1167.4	1271.1	1388.1	1495.5	1583.3	1600.3
42.5°	829.9	830.0	850.7	897.7	943.7	1025.3	1124.3	1240.5	1366.2	1467.6	1512.7
45°	686.1	690.9	707.9	736.1	772.2	841.4	920.6	1028.6	1169.5	1289.7	1364.7
47.5°	581.0	588.0	598.8	621.8	650.6	696.7	762.2	859.2	973.9	1106.1	1212.8
50°	526.5	527.6	541.4	554.2	579.2	615.9	673.3	754.1	859.4	986.6	1105.2
52.5°	479.7	479.5	487.8	504.0	524.3	552.9	599.3	672.9	766.3	880.2	1002.6
55°	409.5	412.2	418.6	431.3	446.7	467.0	503.6	559.0	632.4	729.7	840.8
57.5°	356.1	357.5	362.5	367.9	382.1	396.8	424.3	462.7	524.6	604.3	707.9
60°	321.2	321.8	323.4	331.3	342.5	356.3	374.9	407.4	459.5	532.4	614.3
62.5°	287.2	288.1	290.6	296.4	305.1	314.6	334.1	360.2	403.3	465.6	539.4
65°	239.3	239.9	243.6	245.7	252.6	261.1	275.5	293.0	322.8	374.9	430.8
67.5°	200.0	200.0	200.2	203.1	207.8	213.5	222.1	236.1	258.6	290.6	339.8
70°	174.4	174.4	175.5	177.1	179.8	184.5	189.3	200.0	216.5	242.5	280.3
72.5°	150.6	151.0	152.1	152.4	153.8	157.7	161.3	168.1	180.3	200.0	230.5
75°	110.6	112.2	114.9	117.0	119.7	119.1	122.9	127.1	130.8	142.5	160.1
77.5°	82.3	81.5	81.8	83.6	83.9	84.5	87.1	90.4	93.2	98.7	105.0
80°	62.8	62.8	64.4	64.9	64.4	64.9	67.5	69.1	70.2	72.3	78.2
82.5°	47.4	48.3	47.8	48.3	48.6	49.1	51.4	51.7	52.8	53.6	56.1
85°	26.6	27.1	27.7	26.6	26.6	26.6	27.7	28.2	29.3	28.7	29.8
87.5°	11.8	11.3	11.9	11.8	12.1	11.6	12.0	12.7	11.7	12.3	12.0
90°	12.0	12.0	12.5	12.0	11.4	11.4	10.8	10.3	9.7	10.3	9.1
92.5°	43.9	43.9	45.9	48.9	55.7	67.1	84.3	112.0	150.7	180.9	158.4
95°	139.2	146.6	156.9	174.6	202.5	257.8	334.3	422.7	478.0	464.9	350.8
97.5°	372.0	383.9	401.0	435.4	476.3	535.9	591.7	624.5	600.6	489.7	328.4
100°	523.1	527.7	544.8	579.6	629.2	671.4	699.4	688.0	604.7	458.6	297.8
102.5°	654.5	658.2	676.2	701.4	731.9	749.5	741.4	684.8	570.4	419.9	277.2
105°	802.6	806.0	814.0	818.6	817.5	794.1	737.6	638.9	508.3	374.2	259.6
107.5°	857.6	856.1	850.4	837.4	809.2	758.4	678.8	573.8	458.1	348.7	256.4
110°	858.5	853.4	843.1	819.2	778.7	715.9	633.2	534.5	433.0	340.0	257.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	831.6	823.3	808.9	779.9	733.9	671.2	593.0	505.8	418.8	335.9	260.0
115°	770.7	766.1	747.9	713.6	668.6	613.8	547.1	476.9	405.6	333.7	265.3
117.5°	709.0	705.4	686.9	658.2	619.7	573.3	520.8	462.7	399.7	333.1	270.8
120°	674.3	668.0	653.2	628.1	595.5	555.0	509.4	456.4	396.5	333.1	275.0
122.5°	646.9	640.6	628.1	606.6	579.1	543.6	502.1	450.9	392.8	332.7	279.1
125°	614.9	611.5	600.7	584.1	561.3	529.9	490.6	441.5	386.8	332.0	285.2
127.5°	596.2	592.8	583.7	569.0	546.0	516.3	477.0	430.1	378.7	330.7	290.1
130°	585.3	581.9	572.7	558.5	535.1	504.8	466.1	421.0	373.6	330.3	293.8
132.5°	573.0	569.5	560.9	544.8	521.8	491.6	453.7	411.4	369.1	329.8	297.0
135°	549.9	546.5	537.4	521.4	498.6	470.0	435.3	398.2	362.2	329.1	301.8
137.5°	521.4	517.3	509.8	494.0	472.7	446.9	417.6	386.2	356.3	329.0	304.6
140°	500.9	496.3	488.3	475.8	455.8	431.8	406.2	379.3	353.1	328.6	306.9
142.5°	478.9	475.8	468.7	457.0	439.4	418.6	396.6	373.0	350.4	328.6	308.7
145°	448.9	446.1	440.4	430.7	416.4	400.5	383.3	363.9	345.7	327.4	309.8
147.5°	422.4	421.3	417.0	408.7	398.2	385.6	371.9	356.5	341.5	325.4	310.3
150°	407.3	406.7	403.3	395.9	386.8	376.5	365.1	352.0	338.3	324.0	310.3
152.5°	393.6	393.0	391.0	384.9	377.2	368.7	358.2	346.9	334.6	321.7	309.4
155°	375.9	375.9	374.2	369.7	363.9	357.1	348.5	339.4	329.1	318.3	308.0
157.5°	360.4	360.4	359.4	356.0	351.6	346.1	339.0	331.3	323.6	314.8	306.6
160°	350.8	350.8	350.3	346.8	343.4	338.8	332.6	326.3	319.5	312.0	305.2
162.5°	341.7	342.2	341.6	338.2	335.7	331.5	326.6	321.3	315.8	309.3	303.8
165°	328.0	328.6	329.1	326.9	324.6	321.7	317.7	314.3	309.8	305.2	301.2
167.5°	317.2	317.6	317.7	316.3	315.1	313.4	310.2	307.6	304.3	301.1	298.5
170°	310.3	310.3	310.9	310.3	309.2	307.5	305.2	303.5	300.6	298.3	296.6
172.5°	303.5	304.4	305.0	304.4	303.7	302.5	301.1	299.8	297.4	295.6	294.8
175°	295.5	296.6	297.8	296.6	296.6	296.6	295.5	294.9	293.8	292.6	292.6
177.5°	290.8	291.7	292.6	292.2	292.6	292.2	292.2	291.7	291.3	290.8	290.8
180°	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1360.0	1354.1	1351.1	1344.3	1336.2	1331.9	1328.1	1322.6	1315.3	1307.7	1302.1
5°	1429.0	1416.3	1400.3	1381.2	1364.2	1347.7	1333.3	1319.0	1302.5	1285.4	1268.4
7.5°	1499.9	1474.8	1447.7	1416.3	1385.8	1358.0	1332.5	1308.0	1280.3	1255.6	1233.0
10°	1549.2	1515.2	1477.4	1437.6	1397.7	1363.1	1329.1	1298.2	1264.2	1233.9	1208.3
12.5°	1589.2	1549.2	1503.8	1454.1	1406.2	1364.4	1325.2	1285.0	1246.3	1213.4	1179.4
15°	1655.6	1600.8	1539.7	1480.1	1417.9	1361.0	1308.3	1261.5	1217.4	1171.1	1138.7
17.5°	1701.2	1636.2	1561.9	1490.3	1416.8	1349.7	1289.0	1233.2	1182.3	1135.0	1096.4
20°	1728.5	1656.7	1574.2	1492.9	1410.4	1338.6	1273.2	1211.5	1158.9	1107.8	1067.9
22.5°	1743.8	1664.3	1574.2	1489.0	1403.6	1325.9	1254.1	1189.8	1132.5	1081.4	1037.3
25°	1748.7	1663.6	1571.6	1473.7	1380.1	1297.7	1223.2	1153.6	1089.7	1038.7	991.9
27.5°	1741.9	1641.7	1547.4	1447.0	1350.4	1263.5	1185.4	1112.2	1048.3	993.5	945.5
30°	1731.7	1624.2	1523.2	1418.9	1321.1	1237.6	1155.1	1084.9	1018.5	961.6	913.2
32.5°	1709.5	1603.0	1494.2	1387.5	1288.3	1202.3	1124.1	1053.5	988.3	930.1	878.7
35°	1665.7	1557.8	1439.7	1330.1	1232.8	1143.4	1070.1	1002.0	939.8	877.5	823.3
37.5°	1608.0	1497.7	1380.2	1260.2	1162.8	1078.5	1011.1	947.2	886.5	829.7	769.6
40°	1553.5	1453.0	1331.7	1212.6	1112.6	1031.2	969.0	911.0	849.9	793.5	733.4
42.5°	1487.5	1401.9	1279.4	1159.8	1061.1	982.7	924.8	868.1	812.4	757.8	695.1
45°	1377.5	1312.6	1197.7	1082.8	983.4	905.7	852.5	802.5	753.6	701.5	642.5
47.5°	1251.3	1207.4	1108.2	990.6	898.6	828.7	777.3	736.5	695.1	643.0	591.2
50°	1163.7	1135.5	1039.7	932.3	844.6	780.2	727.6	689.3	654.7	604.7	558.4
52.5°	1070.1	1055.1	974.2	871.5	786.7	723.6	678.6	644.2	609.2	567.7	524.4
55°	927.5	935.5	866.9	778.1	698.3	645.1	604.2	575.4	545.7	510.6	477.1
57.5°	781.8	810.9	764.9	686.9	612.1	563.0	532.2	508.0	483.0	453.9	425.3
60°	694.6	719.0	693.0	624.4	559.0	513.2	484.5	465.9	440.9	414.3	392.5
62.5°	609.5	635.7	620.2	564.8	504.1	464.7	439.4	422.1	403.5	380.3	357.6
65°	502.6	519.6	512.2	473.9	430.8	397.3	373.9	361.1	344.1	327.1	306.9
67.5°	384.9	417.8	413.5	393.1	355.9	329.7	314.4	303.1	287.6	275.0	261.2
70°	316.4	346.8	346.2	329.7	309.5	285.1	274.4	264.9	251.0	238.8	227.6
72.5°	259.0	286.8	290.9	278.3	264.4	245.9	235.7	229.1	215.7	207.3	198.3
75°	181.4	201.6	206.9	206.9	200.5	190.9	181.9	177.6	168.1	160.6	155.3
77.5°	118.9	131.7	140.0	141.9	142.9	139.7	132.2	129.2	121.9	119.2	114.1
80°	84.0	92.5	102.1	105.3	108.0	106.9	103.7	101.6	94.7	92.0	89.9
82.5°	58.1	62.8	70.6	77.6	76.9	79.7	76.9	75.2	70.0	69.0	66.9
85°	30.3	30.8	31.9	36.7	39.4	40.4	41.0	39.9	38.3	38.3	34.6
87.5°	11.8	11.4	11.5	11.5	11.9	13.4	14.4	14.6	13.5	12.6	11.4
90°	8.0	8.0	4.6	4.6	4.0	3.4	1.7	0.6	1.7	3.4	4.0
92.5°	115.2	71.0	42.0	30.1	21.8	14.8	9.5	6.5	9.5	14.8	21.8
95°	214.5	120.9	71.3	47.3	33.7	26.2	20.5	18.8	20.5	26.2	33.7
97.5°	192.8	115.6	77.4	57.3	45.5	38.7	33.8	33.8	33.8	38.7	45.5
100°	181.4	116.9	83.3	65.0	54.2	47.3	43.4	43.4	43.4	47.3	54.2
102.5°	178.2	121.5	91.0	73.7	63.3	56.9	53.4	52.5	53.4	56.9	63.3
105°	179.7	132.3	105.0	88.4	78.2	71.3	68.5	66.7	68.5	71.3	78.2
107.5°	188.1	145.0	119.9	103.6	93.8	86.5	83.6	82.5	83.6	86.5	93.8
110°	194.5	154.6	129.5	114.1	103.8	97.0	94.1	93.0	94.1	97.0	103.8



TEST NUMBER: P332933

CATALOG NUMBER: SA4XXRDIP-C795D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	201.4	163.7	139.5	124.1	113.9	107.5	104.2	103.0	104.2	107.5	113.9
115°	212.2	178.0	155.2	139.8	128.9	123.2	119.2	117.5	119.2	123.2	128.9
117.5°	223.3	191.8	170.1	154.1	144.0	137.7	134.2	132.6	134.2	137.7	144.0
120°	231.0	201.4	179.7	163.7	154.0	147.7	143.8	142.6	143.8	147.7	154.0
122.5°	238.3	210.5	188.8	173.3	162.7	156.9	152.9	151.7	152.9	156.9	162.7
125°	249.3	223.0	202.5	186.5	175.7	169.4	166.0	163.7	166.0	169.4	175.7
127.5°	258.8	234.7	214.8	198.7	187.4	180.3	176.2	174.3	176.2	180.3	187.4
130°	264.7	242.4	223.0	206.5	195.7	187.1	182.5	180.3	182.5	187.1	195.7
132.5°	270.6	248.8	229.4	213.8	202.1	194.0	188.0	186.2	188.0	194.0	202.1
135°	278.4	257.8	239.0	224.2	212.2	202.5	196.8	194.5	196.8	202.5	212.2
137.5°	283.9	264.7	247.1	233.0	220.5	211.3	205.0	202.9	205.0	211.3	220.5
140°	287.5	269.3	252.1	238.4	226.5	216.8	210.5	208.8	210.5	216.8	226.5
142.5°	290.2	273.4	256.7	243.5	231.9	222.7	216.9	215.2	216.9	222.7	231.9
145°	293.2	277.8	263.0	250.4	239.6	231.6	225.9	224.2	225.9	231.6	239.6
147.5°	295.8	282.4	268.5	257.2	248.1	239.9	234.9	234.3	234.9	239.9	248.1
150°	297.2	284.7	272.1	261.3	252.7	245.9	241.3	240.7	241.3	245.9	252.7
152.5°	298.1	286.5	275.3	265.4	257.7	251.3	246.8	246.7	246.8	251.3	257.7
155°	298.9	289.2	279.5	271.0	264.7	259.0	255.6	255.0	255.6	259.0	264.7
157.5°	298.9	291.2	282.9	276.2	270.7	266.3	263.1	263.1	263.1	266.3	270.7
160°	298.9	292.1	285.2	278.9	274.4	270.4	268.1	268.1	268.1	270.4	274.4
162.5°	298.9	293.0	286.6	281.7	277.6	274.0	272.2	272.7	272.2	274.0	277.6
165°	297.8	293.2	288.1	284.7	281.8	278.9	277.8	277.8	277.8	278.9	281.8
167.5°	296.4	293.1	289.3	286.7	285.1	282.9	282.4	282.9	282.4	282.9	285.1
170°	295.5	292.6	289.8	288.1	286.9	285.2	284.7	285.2	284.7	285.2	286.9
172.5°	294.6	292.2	290.2	289.0	288.3	287.0	286.9	287.5	286.9	287.0	288.3
175°	293.2	291.5	290.4	290.4	289.8	289.2	289.2	289.8	289.2	289.2	289.8
177.5°	291.7	290.8	290.4	290.4	290.4	289.9	290.4	290.8	290.4	289.9	290.4
180°	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4



TEST NUMBER: P332933

CATALOG NUMBER: SA4XXRDIP-C795D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1296.2	1291.9	1286.4	1280.0	1272.4	1265.6	1262.6	1265.1	1266.4	1263.0	1262.6
5°	1256.7	1243.4	1232.8	1216.8	1204.1	1193.4	1186.0	1182.8	1183.9	1175.4	1173.2
7.5°	1212.4	1196.6	1179.2	1160.3	1142.6	1127.0	1118.8	1114.3	1105.3	1101.4	1094.9
10°	1183.9	1162.6	1145.6	1123.2	1103.0	1084.4	1075.4	1067.9	1058.9	1054.6	1045.6
12.5°	1154.5	1129.8	1111.1	1087.9	1067.3	1044.8	1036.2	1022.4	1008.3	999.3	987.7
15°	1113.1	1083.4	1060.5	1032.8	1008.4	982.8	960.0	934.4	924.9	904.7	893.0
17.5°	1064.7	1034.5	1006.2	969.1	931.4	899.7	875.3	850.8	836.2	823.3	817.3
20°	1032.8	1005.2	965.8	922.7	880.7	845.6	825.9	810.0	794.0	785.0	778.6
22.5°	1002.6	967.3	921.6	875.1	833.1	805.6	788.9	772.5	759.6	751.0	742.4
25°	952.0	905.7	857.3	804.1	775.4	751.5	733.4	720.1	712.1	701.0	696.7
27.5°	900.0	843.9	790.5	754.8	724.9	703.0	687.2	677.2	667.1	660.0	654.5
30°	860.0	803.1	755.2	721.2	690.9	672.8	660.0	648.3	640.3	634.5	630.2
32.5°	820.4	763.5	723.3	686.7	662.8	645.1	631.5	622.8	616.5	609.0	606.4
35°	763.2	712.7	677.6	644.6	620.1	604.2	593.5	584.5	579.2	577.0	575.4
37.5°	708.2	666.8	629.1	602.0	580.2	567.7	555.1	550.7	547.0	543.2	544.9
40°	673.3	634.5	601.0	572.3	554.7	540.9	533.4	528.1	524.9	524.9	524.9
42.5°	643.1	605.1	572.5	546.7	529.2	517.5	509.2	504.7	503.6	503.2	505.8
45°	596.2	561.1	528.1	506.8	491.9	480.2	475.5	471.7	471.7	473.9	474.4
47.5°	549.7	516.8	490.4	466.5	452.9	445.6	441.4	439.5	439.7	441.9	444.3
50°	521.2	488.8	462.7	441.4	428.7	421.7	418.0	417.0	418.0	418.0	421.7
52.5°	490.1	461.1	435.5	417.6	403.1	396.6	394.6	393.1	393.8	395.5	397.1
55°	444.6	418.6	394.1	377.1	366.4	362.2	357.4	357.9	356.9	357.9	357.9
57.5°	399.0	375.6	352.8	339.3	330.0	323.8	318.6	320.1	318.5	318.3	317.4
60°	369.6	344.1	326.0	313.8	303.1	297.8	293.0	294.1	292.5	291.4	289.3
62.5°	337.7	316.4	299.2	287.4	278.9	272.7	267.9	266.9	263.2	259.5	254.9
65°	291.4	273.9	258.5	247.3	239.3	234.5	230.8	227.6	219.6	211.1	206.9
67.5°	246.5	233.8	219.4	210.0	203.5	197.2	190.1	184.7	177.2	172.5	169.9
70°	217.5	205.3	193.1	184.0	177.1	171.3	163.3	159.6	154.2	152.1	149.4
72.5°	189.9	178.5	167.1	158.9	151.6	147.0	140.7	137.0	134.7	133.8	131.2
75°	147.9	138.8	130.3	122.9	117.0	113.8	111.2	108.5	107.4	102.6	100.0
77.5°	107.9	101.9	96.6	91.3	87.1	85.0	79.9	76.8	75.0	72.8	72.2
80°	84.0	79.8	74.5	71.3	65.4	63.3	61.2	60.6	60.1	59.6	59.0
82.5°	63.2	58.9	53.6	51.7	50.1	48.8	47.5	47.0	46.5	46.8	46.7
85°	31.9	29.8	29.8	29.3	28.7	28.2	27.7	27.7	27.1	27.7	27.1
87.5°	11.5	11.1	11.8	11.0	11.6	11.8	11.3	11.4	12.0	11.2	11.2
90°	4.6	4.6	8.0	8.0	9.1	10.3	9.7	10.3	10.8	11.4	11.4
92.5°	30.1	42.0	71.0	115.2	158.4	180.9	150.7	112.0	84.3	67.1	55.7
95°	47.3	71.3	120.9	214.5	350.8	464.9	478.0	422.7	334.3	257.8	202.5
97.5°	57.3	77.4	115.6	192.8	328.4	489.7	600.6	624.5	591.7	535.9	476.3
100°	65.0	83.3	116.9	181.4	297.8	458.6	604.7	688.0	699.4	671.4	629.2
102.5°	73.7	91.0	121.5	178.2	277.2	419.9	570.4	684.8	741.4	749.5	731.9
105°	88.4	105.0	132.3	179.7	259.6	374.2	508.3	638.9	737.6	794.1	817.5
107.5°	103.6	119.9	145.0	188.1	256.4	348.7	458.1	573.8	678.8	758.4	809.2
110°	114.1	129.5	154.6	194.5	257.3	340.0	433.0	534.5	633.2	715.9	778.7



TEST NUMBER: P332933

CATALOG NUMBER: SA4XXRDIP-C795D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	124.1	139.5	163.7	201.4	260.0	335.9	418.8	505.8	593.0	671.2	733.9
115°	139.8	155.2	178.0	212.2	265.3	333.7	405.6	476.9	547.1	613.8	668.6
117.5°	154.1	170.1	191.8	223.3	270.8	333.1	399.7	462.7	520.8	573.3	619.7
120°	163.7	179.7	201.4	231.0	275.0	333.1	396.5	456.4	509.4	555.0	595.5
122.5°	173.3	188.8	210.5	238.3	279.1	332.7	392.8	450.9	502.1	543.6	579.1
125°	186.5	202.5	223.0	249.3	285.2	332.0	386.8	441.5	490.6	529.9	561.3
127.5°	198.7	214.8	234.7	258.8	290.1	330.7	378.7	430.1	477.0	516.3	546.0
130°	206.5	223.0	242.4	264.7	293.8	330.3	373.6	421.0	466.1	504.8	535.1
132.5°	213.8	229.4	248.8	270.6	297.0	329.8	369.1	411.4	453.7	491.6	521.8
135°	224.2	239.0	257.8	278.4	301.8	329.1	362.2	398.2	435.3	470.0	498.6
137.5°	233.0	247.1	264.7	283.9	304.6	329.0	356.3	386.2	417.6	446.9	472.7
140°	238.4	252.1	269.3	287.5	306.9	328.6	353.1	379.3	406.2	431.8	455.8
142.5°	243.5	256.7	273.4	290.2	308.7	328.6	350.4	373.0	396.6	418.6	439.4
145°	250.4	263.0	277.8	293.2	309.8	327.4	345.7	363.9	383.3	400.5	416.4
147.5°	257.2	268.5	282.4	295.8	310.3	325.4	341.5	356.5	371.9	385.6	398.2
150°	261.3	272.1	284.7	297.2	310.3	324.0	338.3	352.0	365.1	376.5	386.8
152.5°	265.4	275.3	286.5	298.1	309.4	321.7	334.6	346.9	358.2	368.7	377.2
155°	271.0	279.5	289.2	298.9	308.0	318.3	329.1	339.4	348.5	357.1	363.9
157.5°	276.2	282.9	291.2	298.9	306.6	314.8	323.6	331.3	339.0	346.1	351.6
160°	278.9	285.2	292.1	298.9	305.2	312.0	319.5	326.3	332.6	338.8	343.4
162.5°	281.7	286.6	293.0	298.9	303.8	309.3	315.8	321.3	326.6	331.5	335.7
165°	284.7	288.1	293.2	297.8	301.2	305.2	309.8	314.3	317.7	321.7	324.6
167.5°	286.7	289.3	293.1	296.4	298.5	301.1	304.3	307.6	310.2	313.4	315.1
170°	288.1	289.8	292.6	295.5	296.6	298.3	300.6	303.5	305.2	307.5	309.2
172.5°	289.0	290.2	292.2	294.6	294.8	295.6	297.4	299.8	301.1	302.5	303.7
175°	290.4	290.4	291.5	293.2	292.6	292.6	293.8	294.9	295.5	296.6	296.6
177.5°	290.4	290.4	290.8	291.7	290.8	290.8	291.3	291.7	292.2	292.2	292.6
180°	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4



TEST NUMBER: P332933

CATALOG NUMBER: SA4XXRDIP-C795D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1260.0	1260.9	1257.9	1257.0	1257.9	1260.9	1260.0	1262.6	1263.0	1266.4	1265.1
5°	1169.0	1167.9	1165.3	1165.8	1165.3	1167.9	1169.0	1173.2	1175.4	1183.9	1182.8
7.5°	1091.1	1087.0	1088.1	1083.9	1088.1	1087.0	1091.1	1094.9	1101.4	1105.3	1114.3
10°	1043.5	1037.6	1032.8	1028.6	1032.8	1037.6	1043.5	1045.6	1054.6	1058.9	1067.9
12.5°	978.4	973.4	966.9	968.2	966.9	973.4	978.4	987.7	999.3	1008.3	1022.4
15°	886.0	878.1	865.3	866.9	865.3	878.1	886.0	893.0	904.7	924.9	934.4
17.5°	807.9	808.0	802.1	803.5	802.1	808.0	807.9	817.3	823.3	836.2	850.8
20°	767.4	763.7	764.2	762.7	764.2	763.7	767.4	778.6	785.0	794.0	810.0
22.5°	739.4	734.8	731.1	727.8	731.1	734.8	739.4	742.4	751.0	759.6	772.5
25°	691.9	688.7	683.9	682.9	683.9	688.7	691.9	696.7	701.0	712.1	720.1
27.5°	650.2	649.6	647.7	645.2	647.7	649.6	650.2	654.5	660.0	667.1	677.2
30°	626.0	624.9	623.8	622.2	623.8	624.9	626.0	630.2	634.5	640.3	648.3
32.5°	604.3	603.6	602.6	602.7	602.6	603.6	604.3	606.4	609.0	616.5	622.8
35°	573.3	572.8	571.7	571.2	571.7	572.8	573.3	575.4	577.0	579.2	584.5
37.5°	544.4	545.8	545.1	545.0	545.1	545.8	544.4	544.9	543.2	547.0	550.7
40°	524.4	524.9	526.0	525.5	526.0	524.9	524.4	524.9	524.9	524.9	528.1
42.5°	507.8	507.9	509.4	507.6	509.4	507.9	507.8	505.8	503.2	503.6	504.7
45°	478.1	481.3	480.8	480.8	480.8	481.3	478.1	474.4	473.9	471.7	471.7
47.5°	445.7	448.4	449.2	449.1	449.2	448.4	445.7	444.3	441.9	439.7	439.5
50°	424.4	423.3	424.9	424.4	424.9	423.3	424.4	421.7	418.0	418.0	417.0
52.5°	398.5	398.7	398.6	398.0	398.6	398.7	398.5	397.1	395.5	393.8	393.1
55°	358.5	359.0	357.9	358.5	357.9	359.0	358.5	357.9	357.9	356.9	357.9
57.5°	315.1	312.5	313.6	312.3	313.6	312.5	315.1	317.4	318.3	318.5	320.1
60°	284.0	279.7	278.7	276.6	278.7	279.7	284.0	289.3	291.4	292.5	294.1
62.5°	249.1	246.1	242.5	244.2	242.5	246.1	249.1	254.9	259.5	263.2	266.9
65°	202.6	200.5	198.9	201.0	198.9	200.5	202.6	206.9	211.1	219.6	227.6
67.5°	167.7	166.6	166.6	165.5	166.6	166.6	167.7	169.9	172.5	177.2	184.7
70°	149.4	147.9	147.9	146.8	147.9	147.9	149.4	149.4	152.1	154.2	159.6
72.5°	130.7	129.1	129.6	128.9	129.6	129.1	130.7	131.2	133.8	134.7	137.0
75°	96.8	94.1	94.1	94.7	94.1	94.1	96.8	100.0	102.6	107.4	108.5
77.5°	72.2	71.7	72.4	71.5	72.4	71.7	72.2	72.2	72.8	75.0	76.8
80°	59.0	58.5	58.0	59.6	58.0	58.5	59.0	59.0	59.6	60.1	60.6
82.5°	45.8	45.7	45.6	47.7	45.6	45.7	45.8	46.7	46.8	46.5	47.0
85°	27.7	26.6	27.7	26.6	27.7	26.6	27.7	27.1	27.7	27.1	27.7
87.5°	12.2	11.9	11.3	11.8	11.3	11.9	12.2	11.2	11.2	12.0	11.4
90°	12.0	12.5	12.0	12.0	12.0	12.5	12.0	11.4	11.4	10.8	10.3
92.5°	48.9	45.9	43.9	43.9	43.9	45.9	48.9	55.7	67.1	84.3	112.0
95°	174.6	156.9	146.6	139.2	146.6	156.9	174.6	202.5	257.8	334.3	422.7
97.5°	435.4	401.0	383.9	372.0	383.9	401.0	435.4	476.3	535.9	591.7	624.5
100°	579.6	544.8	527.7	523.1	527.7	544.8	579.6	629.2	671.4	699.4	688.0
102.5°	701.4	676.2	658.2	654.5	658.2	676.2	701.4	731.9	749.5	741.4	684.8
105°	818.6	814.0	806.0	802.6	806.0	814.0	818.6	817.5	794.1	737.6	638.9
107.5°	837.4	850.4	856.1	857.6	856.1	850.4	837.4	809.2	758.4	678.8	573.8
110°	819.2	843.1	853.4	858.5	853.4	843.1	819.2	778.7	715.9	633.2	534.5



TEST NUMBER: P332933

CATALOG NUMBER: SA4XXRDIP-C795D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	779.9	808.9	823.3	831.6	823.3	808.9	779.9	733.9	671.2	593.0	505.8
115°	713.6	747.9	766.1	770.7	766.1	747.9	713.6	668.6	613.8	547.1	476.9
117.5°	658.2	686.9	705.4	709.0	705.4	686.9	658.2	619.7	573.3	520.8	462.7
120°	628.1	653.2	668.0	674.3	668.0	653.2	628.1	595.5	555.0	509.4	456.4
122.5°	606.6	628.1	640.6	646.9	640.6	628.1	606.6	579.1	543.6	502.1	450.9
125°	584.1	600.7	611.5	614.9	611.5	600.7	584.1	561.3	529.9	490.6	441.5
127.5°	569.0	583.7	592.8	596.2	592.8	583.7	569.0	546.0	516.3	477.0	430.1
130°	558.5	572.7	581.9	585.3	581.9	572.7	558.5	535.1	504.8	466.1	421.0
132.5°	544.8	560.9	569.5	573.0	569.5	560.9	544.8	521.8	491.6	453.7	411.4
135°	521.4	537.4	546.5	549.9	546.5	537.4	521.4	498.6	470.0	435.3	398.2
137.5°	494.0	509.8	517.3	521.4	517.3	509.8	494.0	472.7	446.9	417.6	386.2
140°	475.8	488.3	496.3	500.9	496.3	488.3	475.8	455.8	431.8	406.2	379.3
142.5°	457.0	468.7	475.8	478.9	475.8	468.7	457.0	439.4	418.6	396.6	373.0
145°	430.7	440.4	446.1	448.9	446.1	440.4	430.7	416.4	400.5	383.3	363.9
147.5°	408.7	417.0	421.3	422.4	421.3	417.0	408.7	398.2	385.6	371.9	356.5
150°	395.9	403.3	406.7	407.3	406.7	403.3	395.9	386.8	376.5	365.1	352.0
152.5°	384.9	391.0	393.0	393.6	393.0	391.0	384.9	377.2	368.7	358.2	346.9
155°	369.7	374.2	375.9	375.9	375.9	374.2	369.7	363.9	357.1	348.5	339.4
157.5°	356.0	359.4	360.4	360.4	360.4	359.4	356.0	351.6	346.1	339.0	331.3
160°	346.8	350.3	350.8	350.8	350.8	350.3	346.8	343.4	338.8	332.6	326.3
162.5°	338.2	341.6	342.2	341.7	342.2	341.6	338.2	335.7	331.5	326.6	321.3
165°	326.9	329.1	328.6	328.0	328.6	329.1	326.9	324.6	321.7	317.7	314.3
167.5°	316.3	317.7	317.6	317.2	317.6	317.7	316.3	315.1	313.4	310.2	307.6
170°	310.3	310.9	310.3	310.3	310.3	310.9	310.3	309.2	307.5	305.2	303.5
172.5°	304.4	305.0	304.4	303.5	304.4	305.0	304.4	303.7	302.5	301.1	299.8
175°	296.6	297.8	296.6	295.5	296.6	297.8	296.6	296.6	296.6	295.5	294.9
177.5°	292.2	292.6	291.7	290.8	291.7	292.6	292.2	292.6	292.2	292.2	291.7
180°	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4



TEST NUMBER: P332933

CATALOG NUMBER: SA4XXRDIP-C795D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1262.6	1265.6	1272.4	1280.0	1286.4	1291.9	1296.2	1302.1	1307.7	1315.3	1322.6
5°	1186.0	1193.4	1204.1	1216.8	1232.8	1243.4	1256.7	1268.4	1285.4	1302.5	1319.0
7.5°	1118.8	1127.0	1142.6	1160.3	1179.2	1196.6	1212.4	1233.0	1255.6	1280.3	1308.0
10°	1075.4	1084.4	1103.0	1123.2	1145.6	1162.6	1183.9	1208.3	1233.9	1264.2	1298.2
12.5°	1036.2	1044.8	1067.3	1087.9	1111.1	1129.8	1154.5	1179.4	1213.4	1246.3	1285.0
15°	960.0	982.8	1008.4	1032.8	1060.5	1083.4	1113.1	1138.7	1171.1	1217.4	1261.5
17.5°	875.3	899.7	931.4	969.1	1006.2	1034.5	1064.7	1096.4	1135.0	1182.3	1233.2
20°	825.9	845.6	880.7	922.7	965.8	1005.2	1032.8	1067.9	1107.8	1158.9	1211.5
22.5°	788.9	805.6	833.1	875.1	921.6	967.3	1002.6	1037.3	1081.4	1132.5	1189.8
25°	733.4	751.5	775.4	804.1	857.3	905.7	952.0	991.9	1038.7	1089.7	1153.6
27.5°	687.2	703.0	724.9	754.8	790.5	843.9	900.0	945.5	993.5	1048.3	1112.2
30°	660.0	672.8	690.9	721.2	755.2	803.1	860.0	913.2	961.6	1018.5	1084.9
32.5°	631.5	645.1	662.8	686.7	723.3	763.5	820.4	878.7	930.1	988.3	1053.5
35°	593.5	604.2	620.1	644.6	677.6	712.7	763.2	823.3	877.5	939.8	1002.0
37.5°	555.1	567.7	580.2	602.0	629.1	666.8	708.2	769.6	829.7	886.5	947.2
40°	533.4	540.9	554.7	572.3	601.0	634.5	673.3	733.4	793.5	849.9	911.0
42.5°	509.2	517.5	529.2	546.7	572.5	605.1	643.1	695.1	757.8	812.4	868.1
45°	475.5	480.2	491.9	506.8	528.1	561.1	596.2	642.5	701.5	753.6	802.5
47.5°	441.4	445.6	452.9	466.5	490.4	516.8	549.7	591.2	643.0	695.1	736.5
50°	418.0	421.7	428.7	441.4	462.7	488.8	521.2	558.4	604.7	654.7	689.3
52.5°	394.6	396.6	403.1	417.6	435.5	461.1	490.1	524.4	567.7	609.2	644.2
55°	357.4	362.2	366.4	377.1	394.1	418.6	444.6	477.1	510.6	545.7	575.4
57.5°	318.6	323.8	330.0	339.3	352.8	375.6	399.0	425.3	453.9	483.0	508.0
60°	293.0	297.8	303.1	313.8	326.0	344.1	369.6	392.5	414.3	440.9	465.9
62.5°	267.9	272.7	278.9	287.4	299.2	316.4	337.7	357.6	380.3	403.5	422.1
65°	230.8	234.5	239.3	247.3	258.5	273.9	291.4	306.9	327.1	344.1	361.1
67.5°	190.1	197.2	203.5	210.0	219.4	233.8	246.5	261.2	275.0	287.6	303.1
70°	163.3	171.3	177.1	184.0	193.1	205.3	217.5	227.6	238.8	251.0	264.9
72.5°	140.7	147.0	151.6	158.9	167.1	178.5	189.9	198.3	207.3	215.7	229.1
75°	111.2	113.8	117.0	122.9	130.3	138.8	147.9	155.3	160.6	168.1	177.6
77.5°	79.9	85.0	87.1	91.3	96.6	101.9	107.9	114.1	119.2	121.9	129.2
80°	61.2	63.3	65.4	71.3	74.5	79.8	84.0	89.9	92.0	94.7	101.6
82.5°	47.5	48.8	50.1	51.7	53.6	58.9	63.2	66.9	69.0	70.0	75.2
85°	27.7	28.2	28.7	29.3	29.8	29.8	31.9	34.6	38.3	38.3	39.9
87.5°	11.3	11.8	11.6	11.0	11.8	11.1	11.5	11.4	12.6	13.5	14.6
90°	9.7	10.3	9.1	8.0	8.0	4.6	4.6	4.0	3.4	1.7	0.6
92.5°	150.7	180.9	158.4	115.2	71.0	42.0	30.1	21.8	14.8	9.5	6.5
95°	478.0	464.9	350.8	214.5	120.9	71.3	47.3	33.7	26.2	20.5	18.8
97.5°	600.6	489.7	328.4	192.8	115.6	77.4	57.3	45.5	38.7	33.8	33.8
100°	604.7	458.6	297.8	181.4	116.9	83.3	65.0	54.2	47.3	43.4	43.4
102.5°	570.4	419.9	277.2	178.2	121.5	91.0	73.7	63.3	56.9	53.4	52.5
105°	508.3	374.2	259.6	179.7	132.3	105.0	88.4	78.2	71.3	68.5	66.7
107.5°	458.1	348.7	256.4	188.1	145.0	119.9	103.6	93.8	86.5	83.6	82.5
110°	433.0	340.0	257.3	194.5	154.6	129.5	114.1	103.8	97.0	94.1	93.0



TEST NUMBER: P332933

CATALOG NUMBER: SA4XXRDIP-C795D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	418.8	335.9	260.0	201.4	163.7	139.5	124.1	113.9	107.5	104.2	103.0
115°	405.6	333.7	265.3	212.2	178.0	155.2	139.8	128.9	123.2	119.2	117.5
117.5°	399.7	333.1	270.8	223.3	191.8	170.1	154.1	144.0	137.7	134.2	132.6
120°	396.5	333.1	275.0	231.0	201.4	179.7	163.7	154.0	147.7	143.8	142.6
122.5°	392.8	332.7	279.1	238.3	210.5	188.8	173.3	162.7	156.9	152.9	151.7
125°	386.8	332.0	285.2	249.3	223.0	202.5	186.5	175.7	169.4	166.0	163.7
127.5°	378.7	330.7	290.1	258.8	234.7	214.8	198.7	187.4	180.3	176.2	174.3
130°	373.6	330.3	293.8	264.7	242.4	223.0	206.5	195.7	187.1	182.5	180.3
132.5°	369.1	329.8	297.0	270.6	248.8	229.4	213.8	202.1	194.0	188.0	186.2
135°	362.2	329.1	301.8	278.4	257.8	239.0	224.2	212.2	202.5	196.8	194.5
137.5°	356.3	329.0	304.6	283.9	264.7	247.1	233.0	220.5	211.3	205.0	202.9
140°	353.1	328.6	306.9	287.5	269.3	252.1	238.4	226.5	216.8	210.5	208.8
142.5°	350.4	328.6	308.7	290.2	273.4	256.7	243.5	231.9	222.7	216.9	215.2
145°	345.7	327.4	309.8	293.2	277.8	263.0	250.4	239.6	231.6	225.9	224.2
147.5°	341.5	325.4	310.3	295.8	282.4	268.5	257.2	248.1	239.9	234.9	234.3
150°	338.3	324.0	310.3	297.2	284.7	272.1	261.3	252.7	245.9	241.3	240.7
152.5°	334.6	321.7	309.4	298.1	286.5	275.3	265.4	257.7	251.3	246.8	246.7
155°	329.1	318.3	308.0	298.9	289.2	279.5	271.0	264.7	259.0	255.6	255.0
157.5°	323.6	314.8	306.6	298.9	291.2	282.9	276.2	270.7	266.3	263.1	263.1
160°	319.5	312.0	305.2	298.9	292.1	285.2	278.9	274.4	270.4	268.1	268.1
162.5°	315.8	309.3	303.8	298.9	293.0	286.6	281.7	277.6	274.0	272.2	272.7
165°	309.8	305.2	301.2	297.8	293.2	288.1	284.7	281.8	278.9	277.8	277.8
167.5°	304.3	301.1	298.5	296.4	293.1	289.3	286.7	285.1	282.9	282.4	282.9
170°	300.6	298.3	296.6	295.5	292.6	289.8	288.1	286.9	285.2	284.7	285.2
172.5°	297.4	295.6	294.8	294.6	292.2	290.2	289.0	288.3	287.0	286.9	287.5
175°	293.8	292.6	292.6	293.2	291.5	290.4	290.4	289.8	289.2	289.2	289.8
177.5°	291.3	290.8	290.8	291.7	290.8	290.4	290.4	290.4	289.9	290.4	290.8
180°	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4



TEST NUMBER: P332933

CATALOG NUMBER: SA4XXRDIP-C795D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1328.1	1331.9	1336.2	1344.3	1351.1	1354.1	1360.0	1364.3	1363.0	1368.9	1379.2
5°	1333.3	1347.7	1364.2	1381.2	1400.3	1416.3	1429.0	1441.8	1451.9	1464.1	1482.2
7.5°	1332.5	1358.0	1385.8	1416.3	1447.7	1474.8	1499.9	1525.4	1548.1	1572.9	1605.3
10°	1329.1	1363.1	1397.7	1437.6	1477.4	1515.2	1549.2	1581.2	1611.5	1643.9	1684.9
12.5°	1325.2	1364.4	1406.2	1454.1	1503.8	1549.2	1589.2	1635.2	1673.2	1715.0	1762.3
15°	1308.3	1361.0	1417.9	1480.1	1539.7	1600.8	1655.6	1712.0	1764.6	1814.6	1874.2
17.5°	1289.0	1349.7	1416.8	1490.3	1561.9	1636.2	1701.2	1772.3	1826.1	1893.2	1948.5
20°	1273.2	1338.6	1410.4	1492.9	1574.2	1656.7	1728.5	1800.8	1861.4	1929.0	1999.2
22.5°	1254.1	1325.9	1403.6	1489.0	1574.2	1664.3	1743.8	1815.7	1890.8	1966.8	2039.2
25°	1223.2	1297.7	1380.1	1473.7	1571.6	1663.6	1748.7	1838.0	1918.9	2001.3	2066.2
27.5°	1185.4	1263.5	1350.4	1447.0	1547.4	1641.7	1741.9	1837.1	1918.4	1997.8	2054.4
30°	1155.1	1237.6	1321.1	1418.9	1523.2	1624.2	1731.7	1826.9	1912.5	1983.8	2015.7
32.5°	1124.1	1202.3	1288.3	1387.5	1494.2	1603.0	1709.5	1806.9	1886.1	1928.9	1929.7
35°	1070.1	1143.4	1232.8	1330.1	1439.7	1557.8	1665.7	1761.4	1809.8	1813.6	1761.4
37.5°	1011.1	1078.5	1162.8	1260.2	1380.2	1497.7	1608.0	1671.8	1687.9	1633.8	1537.4
40°	969.0	1031.2	1112.6	1212.6	1331.7	1453.0	1553.5	1600.3	1583.3	1495.5	1388.1
42.5°	924.8	982.7	1061.1	1159.8	1279.4	1401.9	1487.5	1512.7	1467.6	1366.2	1240.5
45°	852.5	905.7	983.4	1082.8	1197.7	1312.6	1377.5	1364.7	1289.7	1169.5	1028.6
47.5°	777.3	828.7	898.6	990.6	1108.2	1207.4	1251.3	1212.8	1106.1	973.9	859.2
50°	727.6	780.2	844.6	932.3	1039.7	1135.5	1163.7	1105.2	986.6	859.4	754.1
52.5°	678.6	723.6	786.7	871.5	974.2	1055.1	1070.1	1002.6	880.2	766.3	672.9
55°	604.2	645.1	698.3	778.1	866.9	935.5	927.5	840.8	729.7	632.4	559.0
57.5°	532.2	563.0	612.1	686.9	764.9	810.9	781.8	707.9	604.3	524.6	462.7
60°	484.5	513.2	559.0	624.4	693.0	719.0	694.6	614.3	532.4	459.5	407.4
62.5°	439.4	464.7	504.1	564.8	620.2	635.7	609.5	539.4	465.6	403.3	360.2
65°	373.9	397.3	430.8	473.9	512.2	519.6	502.6	430.8	374.9	322.8	293.0
67.5°	314.4	329.7	355.9	393.1	413.5	417.8	384.9	339.8	290.6	258.6	236.1
70°	274.4	285.1	309.5	329.7	346.2	346.8	316.4	280.3	242.5	216.5	200.0
72.5°	235.7	245.9	264.4	278.3	290.9	286.8	259.0	230.5	200.0	180.3	168.1
75°	181.9	190.9	200.5	206.9	206.9	201.6	181.4	160.1	142.5	130.8	127.1
77.5°	132.2	139.7	142.9	141.9	140.0	131.7	118.9	105.0	98.7	93.2	90.4
80°	103.7	106.9	108.0	105.3	102.1	92.5	84.0	78.2	72.3	70.2	69.1
82.5°	76.9	79.7	76.9	77.6	70.6	62.8	58.1	56.1	53.6	52.8	51.7
85°	41.0	40.4	39.4	36.7	31.9	30.8	30.3	29.8	28.7	29.3	28.2
87.5°	14.4	13.4	11.9	11.5	11.5	11.4	11.8	12.0	12.3	11.7	12.7
90°	1.7	3.4	4.0	4.6	4.6	8.0	8.0	9.1	10.3	9.7	10.3
92.5°	9.5	14.8	21.8	30.1	42.0	71.0	115.2	158.4	180.9	150.7	112.0
95°	20.5	26.2	33.7	47.3	71.3	120.9	214.5	350.8	464.9	478.0	422.7
97.5°	33.8	38.7	45.5	57.3	77.4	115.6	192.8	328.4	489.7	600.6	624.5
100°	43.4	47.3	54.2	65.0	83.3	116.9	181.4	297.8	458.6	604.7	688.0
102.5°	53.4	56.9	63.3	73.7	91.0	121.5	178.2	277.2	419.9	570.4	684.8
105°	68.5	71.3	78.2	88.4	105.0	132.3	179.7	259.6	374.2	508.3	638.9
107.5°	83.6	86.5	93.8	103.6	119.9	145.0	188.1	256.4	348.7	458.1	573.8
110°	94.1	97.0	103.8	114.1	129.5	154.6	194.5	257.3	340.0	433.0	534.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	104.2	107.5	113.9	124.1	139.5	163.7	201.4	260.0	335.9	418.8	505.8
115°	119.2	123.2	128.9	139.8	155.2	178.0	212.2	265.3	333.7	405.6	476.9
117.5°	134.2	137.7	144.0	154.1	170.1	191.8	223.3	270.8	333.1	399.7	462.7
120°	143.8	147.7	154.0	163.7	179.7	201.4	231.0	275.0	333.1	396.5	456.4
122.5°	152.9	156.9	162.7	173.3	188.8	210.5	238.3	279.1	332.7	392.8	450.9
125°	166.0	169.4	175.7	186.5	202.5	223.0	249.3	285.2	332.0	386.8	441.5
127.5°	176.2	180.3	187.4	198.7	214.8	234.7	258.8	290.1	330.7	378.7	430.1
130°	182.5	187.1	195.7	206.5	223.0	242.4	264.7	293.8	330.3	373.6	421.0
132.5°	188.0	194.0	202.1	213.8	229.4	248.8	270.6	297.0	329.8	369.1	411.4
135°	196.8	202.5	212.2	224.2	239.0	257.8	278.4	301.8	329.1	362.2	398.2
137.5°	205.0	211.3	220.5	233.0	247.1	264.7	283.9	304.6	329.0	356.3	386.2
140°	210.5	216.8	226.5	238.4	252.1	269.3	287.5	306.9	328.6	353.1	379.3
142.5°	216.9	222.7	231.9	243.5	256.7	273.4	290.2	308.7	328.6	350.4	373.0
145°	225.9	231.6	239.6	250.4	263.0	277.8	293.2	309.8	327.4	345.7	363.9
147.5°	234.9	239.9	248.1	257.2	268.5	282.4	295.8	310.3	325.4	341.5	356.5
150°	241.3	245.9	252.7	261.3	272.1	284.7	297.2	310.3	324.0	338.3	352.0
152.5°	246.8	251.3	257.7	265.4	275.3	286.5	298.1	309.4	321.7	334.6	346.9
155°	255.6	259.0	264.7	271.0	279.5	289.2	298.9	308.0	318.3	329.1	339.4
157.5°	263.1	266.3	270.7	276.2	282.9	291.2	298.9	306.6	314.8	323.6	331.3
160°	268.1	270.4	274.4	278.9	285.2	292.1	298.9	305.2	312.0	319.5	326.3
162.5°	272.2	274.0	277.6	281.7	286.6	293.0	298.9	303.8	309.3	315.8	321.3
165°	277.8	278.9	281.8	284.7	288.1	293.2	297.8	301.2	305.2	309.8	314.3
167.5°	282.4	282.9	285.1	286.7	289.3	293.1	296.4	298.5	301.1	304.3	307.6
170°	284.7	285.2	286.9	288.1	289.8	292.6	295.5	296.6	298.3	300.6	303.5
172.5°	286.9	287.0	288.3	289.0	290.2	292.2	294.6	294.8	295.6	297.4	299.8
175°	289.2	289.2	289.8	290.4	290.4	291.5	293.2	292.6	292.6	293.8	294.9
177.5°	290.4	289.9	290.4	290.4	290.4	290.8	291.7	290.8	290.8	291.3	291.7
180°	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4	290.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1384.7	1386.4	1387.7	1391.9	1392.3	1396.2	1392.3
5°	1499.2	1506.7	1518.4	1530.1	1531.2	1538.6	1525.3
7.5°	1627.7	1645.0	1655.7	1674.6	1682.1	1686.8	1679.1
10°	1716.2	1732.2	1760.4	1774.2	1788.0	1790.2	1783.8
12.5°	1801.8	1827.1	1849.3	1875.5	1874.8	1893.6	1886.7
15°	1915.7	1941.7	1972.6	2001.8	2012.5	2012.5	2021.0
17.5°	1996.9	2044.7	2076.6	2099.6	2124.7	2129.0	2126.1
20°	2051.8	2103.4	2137.5	2167.2	2184.3	2189.0	2189.0
22.5°	2092.7	2136.6	2169.8	2196.6	2210.6	2216.3	2214.6
25°	2121.0	2158.7	2178.9	2186.9	2190.6	2189.6	2179.5
27.5°	2082.2	2080.5	2067.8	2043.3	2024.9	2013.7	2001.0
30°	2008.2	1980.6	1948.7	1913.5	1868.3	1833.8	1823.1
32.5°	1898.0	1835.9	1781.9	1723.4	1674.8	1640.2	1625.7
35°	1684.9	1586.5	1506.2	1436.0	1384.9	1353.0	1342.4
37.5°	1431.9	1336.7	1237.3	1169.2	1126.9	1094.6	1082.6
40°	1271.1	1167.4	1080.7	1016.9	973.3	941.9	941.4
42.5°	1124.3	1025.3	943.7	897.7	850.7	830.0	829.9
45°	920.6	841.4	772.2	736.1	707.9	690.9	686.1
47.5°	762.2	696.7	650.6	621.8	598.8	588.0	581.0
50°	673.3	615.9	579.2	554.2	541.4	527.6	526.5
52.5°	599.3	552.9	524.3	504.0	487.8	479.5	479.7
55°	503.6	467.0	446.7	431.3	418.6	412.2	409.5
57.5°	424.3	396.8	382.1	367.9	362.5	357.5	356.1
60°	374.9	356.3	342.5	331.3	323.4	321.8	321.2
62.5°	334.1	314.6	305.1	296.4	290.6	288.1	287.2
65°	275.5	261.1	252.6	245.7	243.6	239.9	239.3
67.5°	222.1	213.5	207.8	203.1	200.2	200.0	200.0
70°	189.3	184.5	179.8	177.1	175.5	174.4	174.4
72.5°	161.3	157.7	153.8	152.4	152.1	151.0	150.6
75°	122.9	119.1	119.7	117.0	114.9	112.2	110.6
77.5°	87.1	84.5	83.9	83.6	81.8	81.5	82.3
80°	67.5	64.9	64.4	64.9	64.4	62.8	62.8
82.5°	51.4	49.1	48.6	48.3	47.8	48.3	47.4
85°	27.7	26.6	26.6	26.6	27.7	27.1	26.6
87.5°	12.0	11.6	12.1	11.8	11.9	11.3	11.8
90°	10.8	11.4	11.4	12.0	12.5	12.0	12.0
92.5°	84.3	67.1	55.7	48.9	45.9	43.9	43.9
95°	334.3	257.8	202.5	174.6	156.9	146.6	139.2
97.5°	591.7	535.9	476.3	435.4	401.0	383.9	372.0
100°	699.4	671.4	629.2	579.6	544.8	527.7	523.1
102.5°	741.4	749.5	731.9	701.4	676.2	658.2	654.5
105°	737.6	794.1	817.5	818.6	814.0	806.0	802.6
107.5°	678.8	758.4	809.2	837.4	850.4	856.1	857.6
110°	633.2	715.9	778.7	819.2	843.1	853.4	858.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	593.0	671.2	733.9	779.9	808.9	823.3	831.6
115°	547.1	613.8	668.6	713.6	747.9	766.1	770.7
117.5°	520.8	573.3	619.7	658.2	686.9	705.4	709.0
120°	509.4	555.0	595.5	628.1	653.2	668.0	674.3
122.5°	502.1	543.6	579.1	606.6	628.1	640.6	646.9
125°	490.6	529.9	561.3	584.1	600.7	611.5	614.9
127.5°	477.0	516.3	546.0	569.0	583.7	592.8	596.2
130°	466.1	504.8	535.1	558.5	572.7	581.9	585.3
132.5°	453.7	491.6	521.8	544.8	560.9	569.5	573.0
135°	435.3	470.0	498.6	521.4	537.4	546.5	549.9
137.5°	417.6	446.9	472.7	494.0	509.8	517.3	521.4
140°	406.2	431.8	455.8	475.8	488.3	496.3	500.9
142.5°	396.6	418.6	439.4	457.0	468.7	475.8	478.9
145°	383.3	400.5	416.4	430.7	440.4	446.1	448.9
147.5°	371.9	385.6	398.2	408.7	417.0	421.3	422.4
150°	365.1	376.5	386.8	395.9	403.3	406.7	407.3
152.5°	358.2	368.7	377.2	384.9	391.0	393.0	393.6
155°	348.5	357.1	363.9	369.7	374.2	375.9	375.9
157.5°	339.0	346.1	351.6	356.0	359.4	360.4	360.4
160°	332.6	338.8	343.4	346.8	350.3	350.8	350.8
162.5°	326.6	331.5	335.7	338.2	341.6	342.2	341.7
165°	317.7	321.7	324.6	326.9	329.1	328.6	328.0
167.5°	310.2	313.4	315.1	316.3	317.7	317.6	317.2
170°	305.2	307.5	309.2	310.3	310.9	310.3	310.3
172.5°	301.1	302.5	303.7	304.4	305.0	304.4	303.5
175°	295.5	296.6	296.6	296.6	297.8	296.6	295.5
177.5°	292.2	292.2	292.6	292.2	292.6	291.7	290.8
180°	290.4	290.4	290.4	290.4	290.4	290.4	290.4

(END OF REPORT)