

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: P332580

Luminaire Tested: **SA4XXDIP-C795D365U835-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332580
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C795D365U835-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

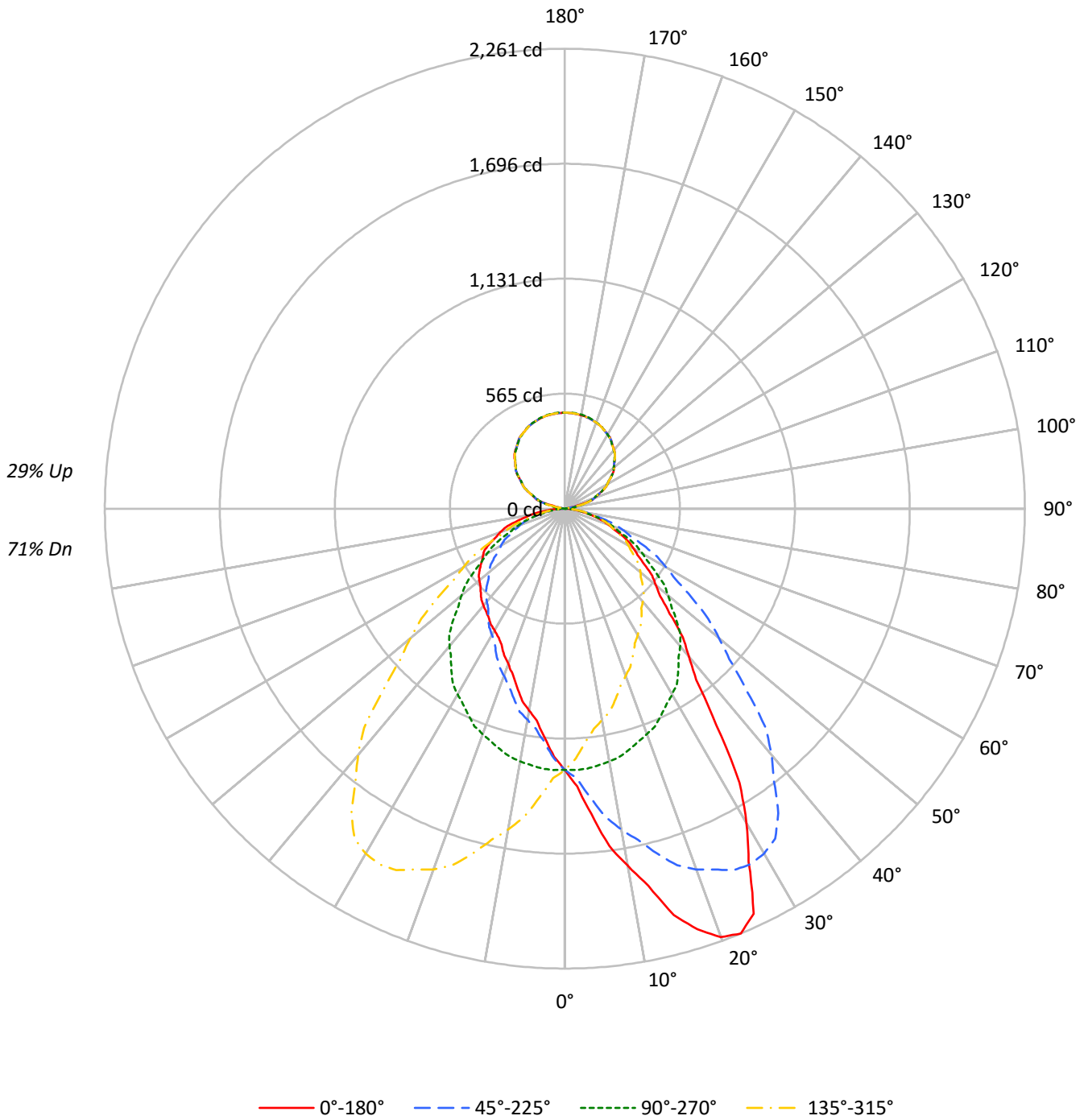
Lumens per Lamp: N/A
Luminaire Lumens: 5005.2 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 35
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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	71
1	103	98	94	91	97	93	90	87	84	81	79	75	73	71	67	66	64	60
2	94	86	80	75	89	82	76	72	74	70	66	66	63	60	59	57	55	51
3	86	76	69	63	81	72	66	60	65	60	56	59	55	51	53	50	47	44
4	79	68	60	54	74	65	57	52	58	53	48	53	48	44	47	44	41	38
5	73	61	52	46	68	58	50	45	53	46	42	48	43	39	43	39	36	33
6	67	55	46	40	63	52	45	39	48	41	37	43	38	34	39	35	32	29
7	62	50	41	36	59	47	40	35	43	37	32	39	34	30	36	31	28	26
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	23
9	54	41	34	29	51	40	33	28	36	30	26	33	28	24	30	26	23	21
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10365	10365	10365	10365
5°	12206	10391	9172	10391
10°	14614	10346	8257	10346
15°	17291	10242	7583	10242
20°	19254	10134	6981	10134
25°	19565	9977	6566	9977
30°	16648	9826	6435	9826
35°	12799	9581	6436	9581
40°	9977	9293	6558	9293
45°	8318	8859	6667	8859
50°	7321	8329	6894	8329
55°	6707	7695	7171	7695
60°	6286	7127	7505	7127
65°	5851	6491	7782	6491
70°	5349	5863	7959	5863
75°	4779	5159	7863	5159
80°	4007	4226	7615	4226
85°	2955	3057	7290	3057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	2.5
10°-20°	385.5	7.7
20°-30°	611.3	12.2
30°-40°	680.3	13.6
40°-50°	619.3	12.4
50°-60°	506.1	10.1
60°-70°	361.3	7.2
70°-80°	198.9	4.0
80°-90°	55.7	1.1
90°-100°	16.2	0.3
100°-110°	103.0	2.1
110°-120°	197.1	3.9
120°-130°	250.2	5.0
130°-140°	267.7	5.3
140°-150°	250.4	5.0
150°-160°	201.9	4.0
160°-170°	130.2	2.6
170°-180°	44.9	0.9
0°-30°	1121.9	22.4
0°-40°	1802.3	36.0
0°-60°	2927.7	58.5
0°-90°	3543.6	70.8
90°-120°	316.3	6.3
90°-150°	1084.6	21.7
90°-180°	1462.0	29.2
0°-180°	5005.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1284	1284	1284	1284	1284	
5°	1506	1282	1132	1282	1506	153
15°	2069	1225	907	1225	2069	585
25°	2196	1120	737	1120	2196	968
35°	1299	972	653	972	1299	824
45°	729	776	584	776	729	574
55°	476	547	510	547	476	430
65°	306	340	407	340	306	303
75°	153	165	252	165	153	163
85°	32	33	79	33	32	39
90°	11	1	11	1	11	6
95°	10	19	10	19	10	8
105°	101	106	101	106	101	88
115°	200	199	200	199	200	198
125°	281	279	281	279	281	251
135°	349	346	349	346	349	268
145°	402	399	402	399	402	251
155°	438	438	438	438	438	202
165°	460	462	460	462	460	130
175°	470	472	470	472	470	45
180°	472	472	472	472	472	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1366.4	1366.0	1361.7	1360.9	1357.9	1354.1	1353.2	1346.4	1332.8	1326.4	1324.7
5°	1506.2	1516.8	1503.0	1500.3	1498.7	1481.2	1472.1	1461.5	1437.0	1422.7	1411.5
7.5°	1673.0	1674.2	1668.2	1663.3	1649.8	1634.4	1611.5	1587.0	1557.9	1527.5	1504.7
10°	1782.7	1787.0	1780.1	1779.0	1751.9	1734.9	1700.8	1672.1	1639.1	1602.4	1568.9
12.5°	1898.5	1892.5	1889.0	1866.2	1861.2	1830.2	1790.6	1761.0	1710.2	1668.0	1623.4
15°	2068.9	2057.2	2049.7	2018.3	2002.9	1959.8	1917.8	1885.4	1818.9	1755.6	1707.7
17.5°	2168.8	2180.5	2163.3	2150.4	2110.5	2080.3	2037.4	1969.3	1917.3	1838.7	1778.3
20°	2241.2	2242.2	2232.7	2219.4	2188.0	2149.7	2102.9	2028.4	1966.2	1888.0	1805.1
22.5°	2260.7	2261.0	2256.9	2244.5	2220.7	2189.7	2142.5	2080.3	2004.9	1919.9	1837.0
25°	2196.5	2194.4	2199.2	2213.0	2203.9	2194.4	2167.2	2121.0	2050.8	1960.9	1871.5
27.5°	1957.8	1972.5	1999.5	2033.5	2066.3	2091.3	2098.3	2088.8	2045.3	1971.4	1877.8
30°	1785.9	1804.0	1824.2	1858.2	1924.2	1962.0	2003.4	2034.8	2017.3	1958.2	1871.0
32.5°	1597.0	1601.5	1631.5	1670.2	1730.6	1803.3	1869.0	1932.7	1953.9	1922.9	1850.2
35°	1298.7	1306.2	1338.6	1376.9	1450.9	1539.7	1638.6	1726.9	1799.7	1829.0	1791.8
37.5°	1059.8	1081.2	1104.1	1145.3	1210.4	1290.3	1393.1	1507.3	1615.9	1688.7	1701.0
40°	946.7	960.0	976.5	1007.8	1063.1	1141.9	1230.1	1361.0	1476.4	1580.6	1614.7
42.5°	857.3	865.1	875.2	903.6	945.7	1024.0	1104.6	1219.7	1335.6	1460.2	1517.2
45°	728.6	736.6	753.6	770.1	802.0	856.3	931.2	1025.9	1142.4	1262.6	1367.9
47.5°	635.7	640.8	650.9	668.5	695.6	731.4	792.4	871.5	979.4	1096.1	1208.3
50°	582.9	587.1	595.1	611.1	631.8	663.7	713.7	787.7	872.2	989.8	1099.8
52.5°	541.2	542.9	548.8	559.6	576.1	602.9	643.9	705.1	783.7	888.5	998.2
55°	476.5	478.7	484.0	492.0	506.3	523.3	554.7	600.4	669.1	760.0	855.2
57.5°	423.3	424.8	429.3	432.4	444.2	458.0	482.2	514.8	566.8	643.9	728.9
60°	389.3	388.2	393.6	396.2	404.2	415.9	434.5	465.9	511.1	573.3	651.5
62.5°	356.1	354.6	359.1	362.6	367.2	377.2	392.4	417.0	453.7	509.9	577.5
65°	306.3	304.2	306.9	311.1	315.4	320.7	331.9	353.7	382.9	423.3	474.9
67.5°	256.3	258.6	259.0	261.1	263.6	270.8	278.5	293.9	314.5	346.9	390.6
70°	226.6	227.1	229.2	229.2	230.8	237.2	243.6	252.6	272.8	302.6	338.2
72.5°	196.8	199.0	198.2	199.9	201.0	205.3	210.0	218.6	235.8	257.9	288.0
75°	153.2	154.8	154.8	155.3	156.9	158.5	162.2	168.6	180.8	197.3	218.1
77.5°	111.7	111.9	112.6	114.6	114.6	117.1	119.9	125.0	131.0	142.3	155.0
80°	86.2	87.2	86.7	87.8	87.8	89.9	90.9	97.3	100.0	107.4	117.5
82.5°	63.2	64.2	64.1	65.6	66.5	66.9	68.4	70.9	73.6	80.2	84.3
85°	31.9	33.0	31.9	33.0	34.6	35.1	36.7	37.2	39.4	41.0	44.7
87.5°	11.5	12.7	12.7	13.1	13.9	14.3	14.6	14.1	15.7	16.0	17.6
90°	10.6	10.4	10.3	10.1	10.0	9.7	9.2	8.7	8.2	7.8	7.1
92.5°	9.8	9.7	9.7	9.7	9.6	9.4	8.9	8.4	8.0	7.5	6.9
95°	10.2	10.2	10.1	10.0	9.9	9.7	9.2	8.7	8.2	7.8	7.7
97.5°	9.9	9.8	9.7	9.7	9.6	9.5	9.5	9.4	9.4	9.3	18.1
100°	9.9	9.8	9.7	9.7	9.6	10.2	11.5	12.9	14.2	15.6	26.4
102.5°	10.2	10.2	10.1	10.1	10.1	17.3	31.7	46.1	60.5	74.9	76.3
105°	100.7	103.5	106.4	109.2	112.0	113.1	112.4	111.7	111.0	110.3	109.9
107.5°	140.4	140.1	139.8	139.5	139.2	138.9	138.5	138.2	137.8	137.5	136.9
110°	157.6	157.4	157.2	156.9	156.7	156.5	156.3	156.2	156.0	155.9	155.4



TEST NUMBER: P332580

CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	174.9	174.6	174.3	174.0	173.7	173.5	173.6	173.6	173.6	173.7	173.4
115°	200.0	200.0	200.0	200.0	200.0	200.0	199.8	199.6	199.5	199.3	199.4
117.5°	225.6	225.7	225.7	225.7	225.7	225.8	225.8	225.8	225.9	225.9	225.7
120°	241.7	241.9	242.0	242.2	242.4	242.4	242.2	242.0	241.9	241.7	241.8
122.5°	257.6	257.7	257.9	258.0	258.2	258.2	258.1	258.0	257.9	257.9	257.7
125°	281.3	281.2	281.2	281.1	281.0	280.8	280.6	280.4	280.1	279.9	280.1
127.5°	302.2	302.2	302.3	302.4	302.4	302.5	302.5	302.6	302.6	302.7	302.3
130°	316.3	316.3	316.3	316.3	316.3	316.3	316.2	316.1	316.0	316.0	315.7
132.5°	329.3	329.4	329.4	329.5	329.6	329.6	329.5	329.4	329.3	329.2	328.9
135°	348.8	348.7	348.5	348.3	348.2	348.0	347.9	347.7	347.6	347.4	347.1
137.5°	365.5	365.5	365.6	365.6	365.7	365.6	365.5	365.3	365.1	364.9	364.6
140°	377.1	377.0	376.9	376.9	376.8	376.6	376.4	376.1	375.9	375.7	375.5
142.5°	386.7	386.7	386.7	386.7	386.6	386.5	386.4	386.2	386.0	385.9	385.8
145°	401.5	401.3	401.2	401.0	400.8	400.7	400.7	400.6	400.5	400.4	400.4
147.5°	413.7	413.6	413.5	413.5	413.4	413.3	413.3	413.2	413.1	413.1	413.1
150°	421.6	421.5	421.5	421.4	421.3	421.3	421.3	421.3	421.3	421.3	421.3
152.5°	428.4	428.5	428.5	428.5	428.6	428.6	428.4	428.3	428.2	428.1	428.2
155°	437.5	437.8	438.0	438.2	438.5	438.4	438.1	437.8	437.5	437.2	437.4
157.5°	445.2	445.6	446.0	446.4	446.8	446.8	446.4	446.0	445.6	445.2	445.4
160°	450.2	450.7	451.2	451.7	452.1	452.1	451.7	451.2	450.7	450.2	450.3
162.5°	454.2	454.7	455.3	455.8	456.3	456.4	455.9	455.4	455.0	454.5	454.6
165°	459.8	460.5	461.2	461.9	462.6	462.7	462.0	461.4	460.8	460.1	460.1
167.5°	464.0	464.7	465.5	466.3	467.1	467.1	466.5	465.8	465.1	464.4	464.4
170°	466.5	467.3	468.1	468.9	469.6	469.7	469.1	468.5	467.8	467.2	467.1
172.5°	467.9	468.8	469.6	470.5	471.3	471.4	470.8	470.2	469.5	468.9	468.8
175°	469.7	470.6	471.6	472.5	473.5	473.6	472.9	472.2	471.5	470.7	470.7
177.5°	470.8	471.6	472.3	473.1	473.8	474.0	473.5	473.0	472.5	471.9	471.8
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332580

CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1325.1	1319.2	1314.9	1311.5	1302.2	1296.6	1292.4	1286.4	1279.6	1272.4	1263.4
5°	1400.3	1382.2	1369.0	1348.7	1329.6	1313.6	1297.2	1282.3	1264.2	1244.5	1230.1
7.5°	1479.4	1452.5	1418.0	1388.1	1354.5	1325.2	1299.1	1272.3	1244.4	1217.4	1192.6
10°	1529.6	1495.0	1456.7	1411.5	1369.0	1331.2	1296.1	1262.1	1229.1	1196.1	1167.9
12.5°	1583.6	1540.5	1483.9	1431.1	1383.4	1332.9	1290.6	1248.9	1209.1	1174.4	1141.5
15°	1656.1	1593.9	1528.5	1457.8	1395.0	1336.0	1278.0	1225.4	1180.7	1134.9	1103.0
17.5°	1700.7	1623.7	1548.9	1475.0	1399.1	1324.6	1262.1	1201.3	1145.4	1099.9	1059.7
20°	1730.1	1653.5	1560.4	1486.5	1396.1	1319.5	1247.2	1179.6	1121.1	1072.7	1031.2
22.5°	1755.6	1667.1	1574.0	1476.7	1386.7	1305.5	1226.3	1158.3	1098.6	1047.6	1007.8
25°	1769.4	1667.8	1566.8	1470.0	1367.9	1271.6	1199.8	1120.1	1056.2	1002.5	960.0
27.5°	1770.9	1662.3	1548.0	1440.4	1335.0	1245.4	1154.7	1083.5	1017.2	960.4	919.5
30°	1766.2	1653.0	1530.1	1413.6	1307.8	1210.5	1131.8	1054.1	986.6	930.2	887.6
32.5°	1751.3	1633.4	1507.1	1383.8	1274.2	1179.0	1097.7	1023.9	958.1	902.5	857.9
35°	1708.3	1591.8	1457.2	1329.1	1216.8	1120.6	1047.2	972.2	906.3	853.6	810.5
37.5°	1640.9	1535.6	1398.8	1266.2	1156.0	1059.3	986.6	918.8	859.3	805.8	761.7
40°	1582.2	1489.7	1352.5	1223.2	1104.1	1012.1	944.0	881.8	822.8	772.2	730.2
42.5°	1514.6	1433.9	1307.4	1170.5	1055.6	963.2	896.8	840.9	785.3	738.6	696.6
45°	1393.9	1340.8	1221.6	1095.1	975.4	888.2	824.9	776.0	729.2	683.4	648.3
47.5°	1255.2	1228.9	1128.6	1008.4	894.8	808.8	753.9	708.7	667.7	629.0	598.0
50°	1162.1	1149.3	1062.6	946.7	838.2	757.3	702.0	663.2	628.1	594.1	564.8
52.5°	1070.2	1069.7	991.6	885.4	785.0	707.1	652.2	616.0	585.6	557.9	531.6
55°	929.7	944.5	883.4	788.7	698.8	628.6	579.2	546.7	525.5	502.6	482.9
57.5°	800.6	825.3	774.9	691.5	616.5	551.8	508.8	484.4	461.7	447.9	433.6
60°	716.4	739.8	700.4	630.2	559.5	504.2	463.2	441.4	421.7	412.2	402.1
62.5°	641.5	662.4	633.2	568.1	506.7	453.6	419.0	398.0	384.7	374.3	367.6
65°	534.5	552.0	527.1	479.7	427.1	384.5	356.3	339.8	327.1	322.8	315.4
67.5°	432.1	448.0	434.5	394.3	352.1	319.8	297.8	282.0	274.4	270.7	265.4
70°	371.2	387.2	372.8	337.7	305.3	278.2	257.4	248.4	240.4	238.8	231.3
72.5°	319.7	330.6	316.2	288.8	261.0	238.2	222.1	212.6	208.5	205.6	201.6
75°	239.9	249.4	239.9	218.6	198.9	183.0	169.1	165.4	160.6	159.0	156.4
77.5°	169.8	178.1	170.7	157.4	142.7	130.4	123.0	118.2	117.1	114.3	115.6
80°	129.8	135.1	128.2	119.1	107.4	98.9	93.6	90.9	87.8	86.7	88.8
82.5°	93.2	95.5	92.0	85.9	77.2	71.7	68.1	65.0	64.4	64.6	64.6
85°	48.4	47.9	47.3	42.0	39.4	35.6	33.5	33.0	32.4	33.5	34.6
87.5°	17.5	17.8	17.2	15.4	13.9	12.5	11.9	11.3	11.9	12.5	13.1
90°	6.5	5.9	5.3	4.5	3.7	2.8	1.9	1.1	1.9	2.8	3.7
92.5°	6.2	5.6	5.0	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.6
95°	7.6	7.5	7.5	8.8	11.4	14.1	16.8	19.4	16.8	14.1	11.4
97.5°	26.9	35.6	44.4	47.9	46.3	44.6	42.9	41.3	42.9	44.6	46.3
100°	37.2	48.1	58.9	63.6	62.2	60.8	59.4	58.0	59.4	60.8	62.2
102.5°	77.8	79.2	80.6	80.8	79.7	78.7	77.7	76.6	77.7	78.7	79.7
105°	109.5	109.1	108.7	108.3	107.8	107.3	106.8	106.4	106.8	107.3	107.8
107.5°	136.4	135.9	135.3	135.0	134.7	134.5	134.2	134.0	134.2	134.5	134.7
110°	154.9	154.4	154.0	153.6	153.4	153.1	152.9	152.7	152.9	153.1	153.4



TEST NUMBER: P332580

CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	173.2	173.0	172.8	172.5	172.0	171.6	171.2	170.8	171.2	171.6	172.0
115°	199.5	199.6	199.6	199.6	199.3	199.1	198.9	198.6	198.9	199.1	199.3
117.5°	225.6	225.4	225.2	225.0	224.7	224.3	224.0	223.7	224.0	224.3	224.7
120°	241.9	242.0	242.0	241.9	241.6	241.3	241.0	240.7	241.0	241.3	241.6
122.5°	257.6	257.5	257.4	257.3	257.1	256.9	256.7	256.5	256.7	256.9	257.1
125°	280.2	280.4	280.5	280.5	280.1	279.8	279.5	279.2	279.5	279.8	280.1
127.5°	301.9	301.6	301.2	301.0	300.9	300.8	300.8	300.7	300.8	300.8	300.9
130°	315.5	315.2	315.0	314.9	314.8	314.7	314.6	314.5	314.6	314.7	314.8
132.5°	328.6	328.3	328.0	327.8	327.7	327.5	327.4	327.3	327.4	327.5	327.7
135°	346.8	346.5	346.1	346.0	346.1	346.2	346.3	346.3	346.3	346.2	346.1
137.5°	364.2	363.9	363.6	363.4	363.3	363.3	363.3	363.2	363.3	363.3	363.3
140°	375.4	375.2	375.0	374.9	374.7	374.6	374.4	374.3	374.4	374.6	374.7
142.5°	385.7	385.6	385.5	385.3	385.0	384.7	384.4	384.2	384.4	384.7	385.0
145°	400.4	400.4	400.4	400.3	400.1	399.8	399.6	399.4	399.6	399.8	400.1
147.5°	413.2	413.3	413.4	413.2	412.8	412.3	411.9	411.4	411.9	412.3	412.8
150°	421.4	421.5	421.6	421.5	421.2	420.8	420.5	420.2	420.5	420.8	421.2
152.5°	428.3	428.5	428.6	428.6	428.3	428.1	427.8	427.6	427.8	428.1	428.3
155°	437.6	437.9	438.1	438.2	438.1	438.0	438.0	437.9	438.0	438.0	438.1
157.5°	445.7	446.0	446.2	446.4	446.4	446.5	446.5	446.6	446.5	446.5	446.4
160°	450.4	450.5	450.6	450.7	451.0	451.2	451.4	451.7	451.4	451.2	451.0
162.5°	454.6	454.7	454.8	455.0	455.3	455.6	455.9	456.2	455.9	455.6	455.3
165°	460.1	460.1	460.1	460.3	460.7	461.1	461.5	461.9	461.5	461.1	460.7
167.5°	464.5	464.5	464.6	464.8	465.2	465.6	466.0	466.4	466.0	465.6	465.2
170°	467.1	467.0	466.9	467.1	467.6	468.0	468.5	469.0	468.5	468.0	467.6
172.5°	468.8	468.7	468.6	468.8	469.3	469.7	470.2	470.7	470.2	469.7	469.3
175°	470.6	470.5	470.4	470.6	471.1	471.6	472.0	472.5	472.0	471.6	471.1
177.5°	471.7	471.6	471.4	471.6	472.0	472.5	472.9	473.4	472.9	472.5	472.0
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332580

CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1259.2	1255.4	1249.8	1242.2	1235.8	1229.0	1227.3	1224.7	1229.8	1225.6	1224.3
5°	1217.9	1206.7	1192.4	1175.9	1166.3	1152.5	1149.8	1144.5	1139.2	1138.7	1133.3
7.5°	1174.2	1157.8	1139.0	1122.2	1106.6	1091.5	1081.7	1079.5	1071.7	1067.1	1061.8
10°	1146.1	1125.9	1104.1	1088.1	1070.1	1054.1	1042.9	1036.6	1031.2	1025.4	1020.1
12.5°	1112.9	1091.4	1073.5	1056.2	1034.7	1022.6	1004.2	993.2	992.1	992.2	978.4
15°	1074.3	1053.0	1025.4	1000.9	989.2	965.8	955.7	942.9	935.0	927.0	920.6
17.5°	1030.2	1003.7	982.1	954.0	931.7	913.1	899.8	892.1	880.1	868.8	860.6
20°	1002.5	974.3	951.5	921.7	897.2	874.3	863.2	852.5	843.5	833.9	824.9
22.5°	974.4	945.0	917.0	888.1	865.3	841.2	830.4	815.9	807.3	802.0	793.0
25°	930.2	898.3	866.4	838.7	815.3	794.0	779.7	768.5	758.9	754.7	748.8
27.5°	882.1	850.4	819.6	788.2	761.6	746.2	734.7	726.3	720.7	715.1	712.5
30°	851.5	818.5	785.5	756.3	731.8	716.4	705.7	699.9	695.6	693.0	690.3
32.5°	820.4	787.9	753.2	726.5	704.6	690.9	682.8	676.9	674.8	673.8	672.9
35°	770.6	737.7	705.7	681.8	661.1	655.8	648.8	645.7	644.6	648.3	649.9
37.5°	722.4	691.8	662.5	639.3	625.7	617.9	615.5	615.7	619.5	622.8	626.6
40°	691.4	661.6	634.0	613.7	601.0	596.2	595.1	597.8	602.0	605.8	610.0
42.5°	661.2	631.8	606.7	587.8	578.9	574.5	575.1	577.8	583.7	588.3	594.7
45°	614.3	589.8	565.3	549.9	542.5	543.5	543.5	548.3	554.2	561.1	568.0
47.5°	570.1	545.5	525.3	512.4	508.5	507.6	510.6	516.8	525.2	533.8	543.4
50°	540.3	516.9	499.4	487.7	483.4	485.0	489.3	495.1	505.2	515.9	526.0
52.5°	510.1	488.9	472.6	461.7	458.8	461.6	465.9	475.1	484.0	495.5	507.7
55°	463.2	445.1	432.4	424.4	423.3	424.9	429.7	439.8	452.6	467.0	478.7
57.5°	416.5	401.4	389.7	384.2	384.7	386.2	394.1	406.1	419.7	435.0	450.1
60°	385.1	371.2	361.7	357.4	357.9	361.1	370.7	381.9	398.9	413.8	429.7
62.5°	355.3	343.1	334.0	330.2	329.4	336.4	345.6	357.2	374.2	390.8	408.0
65°	307.4	297.8	290.4	288.3	289.9	295.2	306.9	322.3	336.7	354.2	372.3
67.5°	260.6	252.7	247.6	248.6	250.5	258.4	268.2	281.4	297.7	315.9	333.8
70°	230.8	223.4	219.1	219.6	222.8	232.4	240.9	254.2	271.8	290.4	305.3
72.5°	200.2	195.3	191.5	193.7	196.9	203.5	214.1	227.4	242.8	260.2	275.9
75°	153.7	153.7	151.6	153.2	158.0	164.3	172.3	186.1	201.6	215.4	228.2
77.5°	114.0	112.9	114.2	116.2	118.9	126.5	135.6	145.5	157.1	170.9	181.5
80°	87.2	87.8	90.4	93.6	94.7	100.5	110.1	119.1	128.2	139.9	150.0
82.5°	65.5	66.1	67.4	71.5	72.5	78.8	85.0	94.0	102.2	110.1	118.5
85°	35.6	35.6	38.3	39.9	42.5	46.8	50.5	55.8	63.3	68.6	76.6
87.5°	14.5	14.7	16.5	17.5	18.9	21.1	22.1	26.8	28.6	30.9	34.8
90°	4.5	5.3	5.9	6.5	7.1	7.8	8.2	8.7	9.2	9.7	10.0
92.5°	4.6	5.0	5.6	6.2	6.9	7.5	8.0	8.4	8.9	9.4	9.6
95°	8.8	7.5	7.5	7.6	7.7	7.8	8.2	8.7	9.2	9.7	9.9
97.5°	47.9	44.4	35.6	26.9	18.1	9.3	9.4	9.4	9.5	9.5	9.6
100°	63.6	58.9	48.1	37.2	26.4	15.6	14.2	12.9	11.5	10.2	9.6
102.5°	80.8	80.6	79.2	77.8	76.3	74.9	60.5	46.1	31.7	17.3	10.1
105°	108.3	108.7	109.1	109.5	109.9	110.3	111.0	111.7	112.4	113.1	112.0
107.5°	135.0	135.3	135.9	136.4	136.9	137.5	137.8	138.2	138.5	138.9	139.2
110°	153.6	154.0	154.4	154.9	155.4	155.9	156.0	156.2	156.3	156.5	156.7



TEST NUMBER: P332580

CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	172.5	172.8	173.0	173.2	173.4	173.7	173.6	173.6	173.6	173.5	173.7
115°	199.6	199.6	199.6	199.5	199.4	199.3	199.5	199.6	199.8	200.0	200.0
117.5°	225.0	225.2	225.4	225.6	225.7	225.9	225.9	225.8	225.8	225.8	225.7
120°	241.9	242.0	242.0	241.9	241.8	241.7	241.9	242.0	242.2	242.4	242.4
122.5°	257.3	257.4	257.5	257.6	257.7	257.9	257.9	258.0	258.1	258.2	258.2
125°	280.5	280.5	280.4	280.2	280.1	279.9	280.1	280.4	280.6	280.8	281.0
127.5°	301.0	301.2	301.6	301.9	302.3	302.7	302.6	302.6	302.5	302.5	302.4
130°	314.9	315.0	315.2	315.5	315.7	316.0	316.0	316.1	316.2	316.3	316.3
132.5°	327.8	328.0	328.3	328.6	328.9	329.2	329.3	329.4	329.5	329.6	329.6
135°	346.0	346.1	346.5	346.8	347.1	347.4	347.6	347.7	347.9	348.0	348.2
137.5°	363.4	363.6	363.9	364.2	364.6	364.9	365.1	365.3	365.5	365.6	365.7
140°	374.9	375.0	375.2	375.4	375.5	375.7	375.9	376.1	376.4	376.6	376.8
142.5°	385.3	385.5	385.6	385.7	385.8	385.9	386.0	386.2	386.4	386.5	386.6
145°	400.3	400.4	400.4	400.4	400.4	400.4	400.5	400.6	400.7	400.7	400.8
147.5°	413.2	413.4	413.3	413.2	413.1	413.1	413.1	413.2	413.3	413.3	413.4
150°	421.5	421.6	421.5	421.4	421.3	421.3	421.3	421.3	421.3	421.3	421.3
152.5°	428.6	428.6	428.5	428.3	428.2	428.1	428.2	428.3	428.4	428.6	428.6
155°	438.2	438.1	437.9	437.6	437.4	437.2	437.5	437.8	438.1	438.4	438.5
157.5°	446.4	446.2	446.0	445.7	445.4	445.2	445.6	446.0	446.4	446.8	446.8
160°	450.7	450.6	450.5	450.4	450.3	450.2	450.7	451.2	451.7	452.1	452.1
162.5°	455.0	454.8	454.7	454.6	454.6	454.5	455.0	455.4	455.9	456.4	456.3
165°	460.3	460.1	460.1	460.1	460.1	460.1	460.8	461.4	462.0	462.7	462.6
167.5°	464.8	464.6	464.5	464.5	464.4	464.4	465.1	465.8	466.5	467.1	467.1
170°	467.1	466.9	467.0	467.1	467.1	467.2	467.8	468.5	469.1	469.7	469.6
172.5°	468.8	468.6	468.7	468.8	468.8	468.9	469.5	470.2	470.8	471.4	471.3
175°	470.6	470.4	470.5	470.6	470.7	470.7	471.5	472.2	472.9	473.6	473.5
177.5°	471.6	471.4	471.6	471.7	471.8	471.9	472.5	473.0	473.5	474.0	473.8
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332580

CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1223.4	1222.6	1219.6	1219.2	1219.6	1222.6	1223.4	1224.3	1225.6	1229.8	1224.7
5°	1130.2	1127.5	1125.9	1131.8	1125.9	1127.5	1130.2	1133.3	1138.7	1139.2	1144.5
7.5°	1059.8	1057.7	1053.0	1051.6	1053.0	1057.7	1059.8	1061.8	1067.1	1071.7	1079.5
10°	1014.7	1012.6	1008.4	1007.3	1008.4	1012.6	1014.7	1020.1	1025.4	1031.2	1036.6
12.5°	971.3	967.1	966.2	967.3	966.2	967.1	971.3	978.4	992.2	992.1	993.2
15°	913.7	911.6	905.7	907.3	905.7	911.6	913.7	920.6	927.0	935.0	942.9
17.5°	856.9	854.3	847.2	853.5	847.2	854.3	856.9	860.6	868.8	880.1	892.1
20°	821.2	816.9	813.2	812.6	813.2	816.9	821.2	824.9	833.9	843.5	852.5
22.5°	787.1	783.3	783.0	779.5	783.0	783.3	787.1	793.0	802.0	807.3	815.9
25°	744.6	740.9	739.8	737.1	739.8	740.9	744.6	748.8	754.7	758.9	768.5
27.5°	711.9	710.1	708.2	709.0	708.2	710.1	711.9	712.5	715.1	720.7	726.3
30°	691.9	691.4	690.3	690.3	690.3	691.4	691.9	690.3	693.0	695.6	699.9
32.5°	675.3	675.2	675.9	675.9	675.9	675.2	675.3	672.9	673.8	674.8	676.9
35°	652.0	653.6	654.7	653.1	654.7	653.6	652.0	649.9	648.3	644.6	645.7
37.5°	631.0	632.6	634.1	635.9	634.1	632.6	631.0	626.6	622.8	619.5	615.7
40°	614.8	618.5	619.6	622.3	619.6	618.5	614.8	610.0	605.8	602.0	597.8
42.5°	599.5	603.6	606.4	606.9	606.4	603.6	599.5	594.7	588.3	583.7	577.8
45°	576.0	580.2	584.0	584.0	584.0	580.2	576.0	568.0	561.1	554.2	548.3
47.5°	551.6	557.8	561.5	562.5	561.5	557.8	551.6	543.4	533.8	525.2	516.8
50°	535.0	542.5	546.2	548.9	546.2	542.5	535.0	526.0	515.9	505.2	495.1
52.5°	518.9	526.3	531.3	532.7	531.3	526.3	518.9	507.7	495.5	484.0	475.1
55°	490.9	501.5	507.4	509.5	507.4	501.5	490.9	478.7	467.0	452.6	439.8
57.5°	464.5	474.3	481.1	482.7	481.1	474.3	464.5	450.1	435.0	419.7	406.1
60°	444.1	454.7	463.2	464.8	463.2	454.7	444.1	429.7	413.8	398.9	381.9
62.5°	423.2	434.3	442.0	446.1	442.0	434.3	423.2	408.0	390.8	374.2	357.2
65°	387.2	398.3	405.8	407.4	405.8	398.3	387.2	372.3	354.2	336.7	322.3
67.5°	347.8	359.0	363.9	367.0	363.9	359.0	347.8	333.8	315.9	297.7	281.4
70°	320.2	329.2	334.5	337.2	334.5	329.2	320.2	305.3	290.4	271.8	254.2
72.5°	288.7	298.1	304.3	304.8	304.3	298.1	288.7	275.9	260.2	242.8	227.4
75°	240.4	248.9	252.1	252.1	252.1	248.9	240.4	228.2	215.4	201.6	186.1
77.5°	190.3	194.7	198.7	199.5	198.7	194.7	190.3	181.5	170.9	157.1	145.5
80°	158.0	160.6	163.8	163.8	163.8	160.6	158.0	150.0	139.9	128.2	119.1
82.5°	124.8	127.0	130.2	129.8	130.2	127.0	124.8	118.5	110.1	102.2	94.0
85°	75.5	80.3	79.8	78.7	79.8	80.3	75.5	76.6	68.6	63.3	55.8
87.5°	36.1	36.5	37.8	38.7	37.8	36.5	36.1	34.8	30.9	28.6	26.8
90°	10.1	10.3	10.4	10.6	10.4	10.3	10.1	10.0	9.7	9.2	8.7
92.5°	9.7	9.7	9.7	9.8	9.7	9.7	9.7	9.6	9.4	8.9	8.4
95°	10.0	10.1	10.2	10.2	10.2	10.1	10.0	9.9	9.7	9.2	8.7
97.5°	9.7	9.7	9.8	9.9	9.8	9.7	9.7	9.6	9.5	9.5	9.4
100°	9.7	9.7	9.8	9.9	9.8	9.7	9.7	9.6	10.2	11.5	12.9
102.5°	10.1	10.1	10.2	10.2	10.2	10.1	10.1	10.1	17.3	31.7	46.1
105°	109.2	106.4	103.5	100.7	103.5	106.4	109.2	112.0	113.1	112.4	111.7
107.5°	139.5	139.8	140.1	140.4	140.1	139.8	139.5	139.2	138.9	138.5	138.2
110°	156.9	157.2	157.4	157.6	157.4	157.2	156.9	156.7	156.5	156.3	156.2



TEST NUMBER: P332580

CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	174.0	174.3	174.6	174.9	174.6	174.3	174.0	173.7	173.5	173.6	173.6
115°	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	199.8	199.6
117.5°	225.7	225.7	225.7	225.6	225.7	225.7	225.7	225.7	225.8	225.8	225.8
120°	242.2	242.0	241.9	241.7	241.9	242.0	242.2	242.4	242.4	242.2	242.0
122.5°	258.0	257.9	257.7	257.6	257.7	257.9	258.0	258.2	258.2	258.1	258.0
125°	281.1	281.2	281.2	281.3	281.2	281.2	281.1	281.0	280.8	280.6	280.4
127.5°	302.4	302.3	302.2	302.2	302.2	302.3	302.4	302.4	302.5	302.5	302.6
130°	316.3	316.3	316.3	316.3	316.3	316.3	316.3	316.3	316.3	316.2	316.1
132.5°	329.5	329.4	329.4	329.3	329.4	329.4	329.5	329.6	329.6	329.5	329.4
135°	348.3	348.5	348.7	348.8	348.7	348.5	348.3	348.2	348.0	347.9	347.7
137.5°	365.6	365.6	365.5	365.5	365.5	365.6	365.6	365.7	365.6	365.5	365.3
140°	376.9	376.9	377.0	377.1	377.0	376.9	376.9	376.8	376.6	376.4	376.1
142.5°	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.6	386.5	386.4	386.2
145°	401.0	401.2	401.3	401.5	401.3	401.2	401.0	400.8	400.7	400.7	400.6
147.5°	413.5	413.5	413.6	413.7	413.6	413.5	413.5	413.4	413.3	413.3	413.2
150°	421.4	421.5	421.5	421.6	421.5	421.5	421.4	421.3	421.3	421.3	421.3
152.5°	428.5	428.5	428.5	428.4	428.5	428.5	428.5	428.6	428.6	428.4	428.3
155°	438.2	438.0	437.8	437.5	437.8	438.0	438.2	438.5	438.4	438.1	437.8
157.5°	446.4	446.0	445.6	445.2	445.6	446.0	446.4	446.8	446.8	446.4	446.0
160°	451.7	451.2	450.7	450.2	450.7	451.2	451.7	452.1	452.1	451.7	451.2
162.5°	455.8	455.3	454.7	454.2	454.7	455.3	455.8	456.3	456.4	455.9	455.4
165°	461.9	461.2	460.5	459.8	460.5	461.2	461.9	462.6	462.7	462.0	461.4
167.5°	466.3	465.5	464.7	464.0	464.7	465.5	466.3	467.1	467.1	466.5	465.8
170°	468.9	468.1	467.3	466.5	467.3	468.1	468.9	469.6	469.7	469.1	468.5
172.5°	470.5	469.6	468.8	467.9	468.8	469.6	470.5	471.3	471.4	470.8	470.2
175°	472.5	471.6	470.6	469.7	470.6	471.6	472.5	473.5	473.6	472.9	472.2
177.5°	473.1	472.3	471.6	470.8	471.6	472.3	473.1	473.8	474.0	473.5	473.0
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332580

CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1227.3	1229.0	1235.8	1242.2	1249.8	1255.4	1259.2	1263.4	1272.4	1279.6	1286.4
5°	1149.8	1152.5	1166.3	1175.9	1192.4	1206.7	1217.9	1230.1	1244.5	1264.2	1282.3
7.5°	1081.7	1091.5	1106.6	1122.2	1139.0	1157.8	1174.2	1192.6	1217.4	1244.4	1272.3
10°	1042.9	1054.1	1070.1	1088.1	1104.1	1125.9	1146.1	1167.9	1196.1	1229.1	1262.1
12.5°	1004.2	1022.6	1034.7	1056.2	1073.5	1091.4	1112.9	1141.5	1174.4	1209.1	1248.9
15°	955.7	965.8	989.2	1000.9	1025.4	1053.0	1074.3	1103.0	1134.9	1180.7	1225.4
17.5°	899.8	913.1	931.7	954.0	982.1	1003.7	1030.2	1059.7	1099.9	1145.4	1201.3
20°	863.2	874.3	897.2	921.7	951.5	974.3	1002.5	1031.2	1072.7	1121.1	1179.6
22.5°	830.4	841.2	865.3	888.1	917.0	945.0	974.4	1007.8	1047.6	1098.6	1158.3
25°	779.7	794.0	815.3	838.7	866.4	898.3	930.2	960.0	1002.5	1056.2	1120.1
27.5°	734.7	746.2	761.6	788.2	819.6	850.4	882.1	919.5	960.4	1017.2	1083.5
30°	705.7	716.4	731.8	756.3	785.5	818.5	851.5	887.6	930.2	986.6	1054.1
32.5°	682.8	690.9	704.6	726.5	753.2	787.9	820.4	857.9	902.5	958.1	1023.9
35°	648.8	655.8	661.1	681.8	705.7	737.7	770.6	810.5	853.6	906.3	972.2
37.5°	615.5	617.9	625.7	639.3	662.5	691.8	722.4	761.7	805.8	859.3	918.8
40°	595.1	596.2	601.0	613.7	634.0	661.6	691.4	730.2	772.2	822.8	881.8
42.5°	575.1	574.5	578.9	587.8	606.7	631.8	661.2	696.6	738.6	785.3	840.9
45°	543.5	543.5	542.5	549.9	565.3	589.8	614.3	648.3	683.4	729.2	776.0
47.5°	510.6	507.6	508.5	512.4	525.3	545.5	570.1	598.0	629.0	667.7	708.7
50°	489.3	485.0	483.4	487.7	499.4	516.9	540.3	564.8	594.1	628.1	663.2
52.5°	465.9	461.6	458.8	461.7	472.6	488.9	510.1	531.6	557.9	585.6	616.0
55°	429.7	424.9	423.3	424.4	432.4	445.1	463.2	482.9	502.6	525.5	546.7
57.5°	394.1	386.2	384.7	384.2	389.7	401.4	416.5	433.6	447.9	461.7	484.4
60°	370.7	361.1	357.9	357.4	361.7	371.2	385.1	402.1	412.2	421.7	441.4
62.5°	345.6	336.4	329.4	330.2	334.0	343.1	355.3	367.6	374.3	384.7	398.0
65°	306.9	295.2	289.9	288.3	290.4	297.8	307.4	315.4	322.8	327.1	339.8
67.5°	268.2	258.4	250.5	248.6	247.6	252.7	260.6	265.4	270.7	274.4	282.0
70°	240.9	232.4	222.8	219.6	219.1	223.4	230.8	231.3	238.8	240.4	248.4
72.5°	214.1	203.5	196.9	193.7	191.5	195.3	200.2	201.6	205.6	208.5	212.6
75°	172.3	164.3	158.0	153.2	151.6	153.7	153.7	156.4	159.0	160.6	165.4
77.5°	135.6	126.5	118.9	116.2	114.2	112.9	114.0	115.6	114.3	117.1	118.2
80°	110.1	100.5	94.7	93.6	90.4	87.8	87.2	88.8	86.7	87.8	90.9
82.5°	85.0	78.8	72.5	71.5	67.4	66.1	65.5	64.6	64.6	64.4	65.0
85°	50.5	46.8	42.5	39.9	38.3	35.6	35.6	34.6	33.5	32.4	33.0
87.5°	22.1	21.1	18.9	17.5	16.5	14.7	14.5	13.1	12.5	11.9	11.3
90°	8.2	7.8	7.1	6.5	5.9	5.3	4.5	3.7	2.8	1.9	1.1
92.5°	8.0	7.5	6.9	6.2	5.6	5.0	4.6	4.6	4.5	4.5	4.5
95°	8.2	7.8	7.7	7.6	7.5	7.5	8.8	11.4	14.1	16.8	19.4
97.5°	9.4	9.3	18.1	26.9	35.6	44.4	47.9	46.3	44.6	42.9	41.3
100°	14.2	15.6	26.4	37.2	48.1	58.9	63.6	62.2	60.8	59.4	58.0
102.5°	60.5	74.9	76.3	77.8	79.2	80.6	80.8	79.7	78.7	77.7	76.6
105°	111.0	110.3	109.9	109.5	109.1	108.7	108.3	107.8	107.3	106.8	106.4
107.5°	137.8	137.5	136.9	136.4	135.9	135.3	135.0	134.7	134.5	134.2	134.0
110°	156.0	155.9	155.4	154.9	154.4	154.0	153.6	153.4	153.1	152.9	152.7



TEST NUMBER: P332580

CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	173.6	173.7	173.4	173.2	173.0	172.8	172.5	172.0	171.6	171.2	170.8
115°	199.5	199.3	199.4	199.5	199.6	199.6	199.6	199.3	199.1	198.9	198.6
117.5°	225.9	225.9	225.7	225.6	225.4	225.2	225.0	224.7	224.3	224.0	223.7
120°	241.9	241.7	241.8	241.9	242.0	242.0	241.9	241.6	241.3	241.0	240.7
122.5°	257.9	257.9	257.7	257.6	257.5	257.4	257.3	257.1	256.9	256.7	256.5
125°	280.1	279.9	280.1	280.2	280.4	280.5	280.5	280.1	279.8	279.5	279.2
127.5°	302.6	302.7	302.3	301.9	301.6	301.2	301.0	300.9	300.8	300.8	300.7
130°	316.0	316.0	315.7	315.5	315.2	315.0	314.9	314.8	314.7	314.6	314.5
132.5°	329.3	329.2	328.9	328.6	328.3	328.0	327.8	327.7	327.5	327.4	327.3
135°	347.6	347.4	347.1	346.8	346.5	346.1	346.0	346.1	346.2	346.3	346.3
137.5°	365.1	364.9	364.6	364.2	363.9	363.6	363.4	363.3	363.3	363.3	363.2
140°	375.9	375.7	375.5	375.4	375.2	375.0	374.9	374.7	374.6	374.4	374.3
142.5°	386.0	385.9	385.8	385.7	385.6	385.5	385.3	385.0	384.7	384.4	384.2
145°	400.5	400.4	400.4	400.4	400.4	400.4	400.3	400.1	399.8	399.6	399.4
147.5°	413.1	413.1	413.1	413.2	413.3	413.4	413.2	412.8	412.3	411.9	411.4
150°	421.3	421.3	421.3	421.4	421.5	421.6	421.5	421.2	420.8	420.5	420.2
152.5°	428.2	428.1	428.2	428.3	428.5	428.6	428.6	428.3	428.1	427.8	427.6
155°	437.5	437.2	437.4	437.6	437.9	438.1	438.2	438.1	438.0	438.0	437.9
157.5°	445.6	445.2	445.4	445.7	446.0	446.2	446.4	446.4	446.5	446.5	446.6
160°	450.7	450.2	450.3	450.4	450.5	450.6	450.7	451.0	451.2	451.4	451.7
162.5°	455.0	454.5	454.6	454.6	454.7	454.8	455.0	455.3	455.6	455.9	456.2
165°	460.8	460.1	460.1	460.1	460.1	460.1	460.3	460.7	461.1	461.5	461.9
167.5°	465.1	464.4	464.4	464.5	464.5	464.6	464.8	465.2	465.6	466.0	466.4
170°	467.8	467.2	467.1	467.1	467.0	466.9	467.1	467.6	468.0	468.5	469.0
172.5°	469.5	468.9	468.8	468.8	468.7	468.6	468.8	469.3	469.7	470.2	470.7
175°	471.5	470.7	470.7	470.6	470.5	470.4	470.6	471.1	471.6	472.0	472.5
177.5°	472.5	471.9	471.8	471.7	471.6	471.4	471.6	472.0	472.5	472.9	473.4
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332580

CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1292.4	1296.6	1302.2	1311.5	1314.9	1319.2	1325.1	1324.7	1326.4	1332.8	1346.4
5°	1297.2	1313.6	1329.6	1348.7	1369.0	1382.2	1400.3	1411.5	1422.7	1437.0	1461.5
7.5°	1299.1	1325.2	1354.5	1388.1	1418.0	1452.5	1479.4	1504.7	1527.5	1557.9	1587.0
10°	1296.1	1331.2	1369.0	1411.5	1456.7	1495.0	1529.6	1568.9	1602.4	1639.1	1672.1
12.5°	1290.6	1332.9	1383.4	1431.1	1483.9	1540.5	1583.6	1623.4	1668.0	1710.2	1761.0
15°	1278.0	1336.0	1395.0	1457.8	1528.5	1593.9	1656.1	1707.7	1755.6	1818.9	1885.4
17.5°	1262.1	1324.6	1399.1	1475.0	1548.9	1623.7	1700.7	1778.3	1838.7	1917.3	1969.3
20°	1247.2	1319.5	1396.1	1486.5	1560.4	1653.5	1730.1	1805.1	1888.0	1966.2	2028.4
22.5°	1226.3	1305.5	1386.7	1476.7	1574.0	1667.1	1755.6	1837.0	1919.9	2004.9	2080.3
25°	1199.8	1271.6	1367.9	1470.0	1566.8	1667.8	1769.4	1871.5	1960.9	2050.8	2121.0
27.5°	1154.7	1245.4	1335.0	1440.4	1548.0	1662.3	1770.9	1877.8	1971.4	2045.3	2088.8
30°	1131.8	1210.5	1307.8	1413.6	1530.1	1653.0	1766.2	1871.0	1958.2	2017.3	2034.8
32.5°	1097.7	1179.0	1274.2	1383.8	1507.1	1633.4	1751.3	1850.2	1922.9	1953.9	1932.7
35°	1047.2	1120.6	1216.8	1329.1	1457.2	1591.8	1708.3	1791.8	1829.0	1799.7	1726.9
37.5°	986.6	1059.3	1156.0	1266.2	1398.8	1535.6	1640.9	1701.0	1688.7	1615.9	1507.3
40°	944.0	1012.1	1104.1	1223.2	1352.5	1489.7	1582.2	1614.7	1580.6	1476.4	1361.0
42.5°	896.8	963.2	1055.6	1170.5	1307.4	1433.9	1514.6	1517.2	1460.2	1335.6	1219.7
45°	824.9	888.2	975.4	1095.1	1221.6	1340.8	1393.9	1367.9	1262.6	1142.4	1025.9
47.5°	753.9	808.8	894.8	1008.4	1128.6	1228.9	1255.2	1208.3	1096.1	979.4	871.5
50°	702.0	757.3	838.2	946.7	1062.6	1149.3	1162.1	1099.8	989.8	872.2	787.7
52.5°	652.2	707.1	785.0	885.4	991.6	1069.7	1070.2	998.2	888.5	783.7	705.1
55°	579.2	628.6	698.8	788.7	883.4	944.5	929.7	855.2	760.0	669.1	600.4
57.5°	508.8	551.8	616.5	691.5	774.9	825.3	800.6	728.9	643.9	566.8	514.8
60°	463.2	504.2	559.5	630.2	700.4	739.8	716.4	651.5	573.3	511.1	465.9
62.5°	419.0	453.6	506.7	568.1	633.2	662.4	641.5	577.5	509.9	453.7	417.0
65°	356.3	384.5	427.1	479.7	527.1	552.0	534.5	474.9	423.3	382.9	353.7
67.5°	297.8	319.8	352.1	394.3	434.5	448.0	432.1	390.6	346.9	314.5	293.9
70°	257.4	278.2	305.3	337.7	372.8	387.2	371.2	338.2	302.6	272.8	252.6
72.5°	222.1	238.2	261.0	288.8	316.2	330.6	319.7	288.0	257.9	235.8	218.6
75°	169.1	183.0	198.9	218.6	239.9	249.4	239.9	218.1	197.3	180.8	168.6
77.5°	123.0	130.4	142.7	157.4	170.7	178.1	169.8	155.0	142.3	131.0	125.0
80°	93.6	98.9	107.4	119.1	128.2	135.1	129.8	117.5	107.4	100.0	97.3
82.5°	68.1	71.7	77.2	85.9	92.0	95.5	93.2	84.3	80.2	73.6	70.9
85°	33.5	35.6	39.4	42.0	47.3	47.9	48.4	44.7	41.0	39.4	37.2
87.5°	11.9	12.5	13.9	15.4	17.2	17.8	17.5	17.6	16.0	15.7	14.1
90°	1.9	2.8	3.7	4.5	5.3	5.9	6.5	7.1	7.8	8.2	8.7
92.5°	4.5	4.5	4.6	4.6	5.0	5.6	6.2	6.9	7.5	8.0	8.4
95°	16.8	14.1	11.4	8.8	7.5	7.5	7.6	7.7	7.8	8.2	8.7
97.5°	42.9	44.6	46.3	47.9	44.4	35.6	26.9	18.1	9.3	9.4	9.4
100°	59.4	60.8	62.2	63.6	58.9	48.1	37.2	26.4	15.6	14.2	12.9
102.5°	77.7	78.7	79.7	80.8	80.6	79.2	77.8	76.3	74.9	60.5	46.1
105°	106.8	107.3	107.8	108.3	108.7	109.1	109.5	109.9	110.3	111.0	111.7
107.5°	134.2	134.5	134.7	135.0	135.3	135.9	136.4	136.9	137.5	137.8	138.2
110°	152.9	153.1	153.4	153.6	154.0	154.4	154.9	155.4	155.9	156.0	156.2



TEST NUMBER: P332580

CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	171.2	171.6	172.0	172.5	172.8	173.0	173.2	173.4	173.7	173.6	173.6
115°	198.9	199.1	199.3	199.6	199.6	199.6	199.5	199.4	199.3	199.5	199.6
117.5°	224.0	224.3	224.7	225.0	225.2	225.4	225.6	225.7	225.9	225.9	225.8
120°	241.0	241.3	241.6	241.9	242.0	242.0	241.9	241.8	241.7	241.9	242.0
122.5°	256.7	256.9	257.1	257.3	257.4	257.5	257.6	257.7	257.9	257.9	258.0
125°	279.5	279.8	280.1	280.5	280.5	280.4	280.2	280.1	279.9	280.1	280.4
127.5°	300.8	300.8	300.9	301.0	301.2	301.6	301.9	302.3	302.7	302.6	302.6
130°	314.6	314.7	314.8	314.9	315.0	315.2	315.5	315.7	316.0	316.0	316.1
132.5°	327.4	327.5	327.7	327.8	328.0	328.3	328.6	328.9	329.2	329.3	329.4
135°	346.3	346.2	346.1	346.0	346.1	346.5	346.8	347.1	347.4	347.6	347.7
137.5°	363.3	363.3	363.3	363.4	363.6	363.9	364.2	364.6	364.9	365.1	365.3
140°	374.4	374.6	374.7	374.9	375.0	375.2	375.4	375.5	375.7	375.9	376.1
142.5°	384.4	384.7	385.0	385.3	385.5	385.6	385.7	385.8	385.9	386.0	386.2
145°	399.6	399.8	400.1	400.3	400.4	400.4	400.4	400.4	400.4	400.5	400.6
147.5°	411.9	412.3	412.8	413.2	413.4	413.3	413.2	413.1	413.1	413.1	413.2
150°	420.5	420.8	421.2	421.5	421.6	421.5	421.4	421.3	421.3	421.3	421.3
152.5°	427.8	428.1	428.3	428.6	428.6	428.5	428.3	428.2	428.1	428.2	428.3
155°	438.0	438.0	438.1	438.2	438.1	437.9	437.6	437.4	437.2	437.5	437.8
157.5°	446.5	446.5	446.4	446.4	446.2	446.0	445.7	445.4	445.2	445.6	446.0
160°	451.4	451.2	451.0	450.7	450.6	450.5	450.4	450.3	450.2	450.7	451.2
162.5°	455.9	455.6	455.3	455.0	454.8	454.7	454.6	454.6	454.5	455.0	455.4
165°	461.5	461.1	460.7	460.3	460.1	460.1	460.1	460.1	460.1	460.8	461.4
167.5°	466.0	465.6	465.2	464.8	464.6	464.5	464.5	464.4	464.4	465.1	465.8
170°	468.5	468.0	467.6	467.1	466.9	467.0	467.1	467.1	467.2	467.8	468.5
172.5°	470.2	469.7	469.3	468.8	468.6	468.7	468.8	468.8	468.9	469.5	470.2
175°	472.0	471.6	471.1	470.6	470.4	470.5	470.6	470.7	470.7	471.5	472.2
177.5°	472.9	472.5	472.0	471.6	471.4	471.6	471.7	471.8	471.9	472.5	473.0
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332580
 CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1353.2	1354.1	1357.9	1360.9	1361.7	1366.0	1366.4
5°	1472.1	1481.2	1498.7	1500.3	1503.0	1516.8	1506.2
7.5°	1611.5	1634.4	1649.8	1663.3	1668.2	1674.2	1673.0
10°	1700.8	1734.9	1751.9	1779.0	1780.1	1787.0	1782.7
12.5°	1790.6	1830.2	1861.2	1866.2	1889.0	1892.5	1898.5
15°	1917.8	1959.8	2002.9	2018.3	2049.7	2057.2	2068.9
17.5°	2037.4	2080.3	2110.5	2150.4	2163.3	2180.5	2168.8
20°	2102.9	2149.7	2188.0	2219.4	2232.7	2242.2	2241.2
22.5°	2142.5	2189.7	2220.7	2244.5	2256.9	2261.0	2260.7
25°	2167.2	2194.4	2203.9	2213.0	2199.2	2194.4	2196.5
27.5°	2098.3	2091.3	2066.3	2033.5	1999.5	1972.5	1957.8
30°	2003.4	1962.0	1924.2	1858.2	1824.2	1804.0	1785.9
32.5°	1869.0	1803.3	1730.6	1670.2	1631.5	1601.5	1597.0
35°	1638.6	1539.7	1450.9	1376.9	1338.6	1306.2	1298.7
37.5°	1393.1	1290.3	1210.4	1145.3	1104.1	1081.2	1059.8
40°	1230.1	1141.9	1063.1	1007.8	976.5	960.0	946.7
42.5°	1104.6	1024.0	945.7	903.6	875.2	865.1	857.3
45°	931.2	856.3	802.0	770.1	753.6	736.6	728.6
47.5°	792.4	731.4	695.6	668.5	650.9	640.8	635.7
50°	713.7	663.7	631.8	611.1	595.1	587.1	582.9
52.5°	643.9	602.9	576.1	559.6	548.8	542.9	541.2
55°	554.7	523.3	506.3	492.0	484.0	478.7	476.5
57.5°	482.2	458.0	444.2	432.4	429.3	424.8	423.3
60°	434.5	415.9	404.2	396.2	393.6	388.2	389.3
62.5°	392.4	377.2	367.2	362.6	359.1	354.6	356.1
65°	331.9	320.7	315.4	311.1	306.9	304.2	306.3
67.5°	278.5	270.8	263.6	261.1	259.0	258.6	256.3
70°	243.6	237.2	230.8	229.2	229.2	227.1	226.6
72.5°	210.0	205.3	201.0	199.9	198.2	199.0	196.8
75°	162.2	158.5	156.9	155.3	154.8	154.8	153.2
77.5°	119.9	117.1	114.6	114.6	112.6	111.9	111.7
80°	90.9	89.9	87.8	87.8	86.7	87.2	86.2
82.5°	68.4	66.9	66.5	65.6	64.1	64.2	63.2
85°	36.7	35.1	34.6	33.0	31.9	33.0	31.9
87.5°	14.6	14.3	13.9	13.1	12.7	12.7	11.5
90°	9.2	9.7	10.0	10.1	10.3	10.4	10.6
92.5°	8.9	9.4	9.6	9.7	9.7	9.7	9.8
95°	9.2	9.7	9.9	10.0	10.1	10.2	10.2
97.5°	9.5	9.5	9.6	9.7	9.7	9.8	9.9
100°	11.5	10.2	9.6	9.7	9.7	9.8	9.9
102.5°	31.7	17.3	10.1	10.1	10.1	10.2	10.2
105°	112.4	113.1	112.0	109.2	106.4	103.5	100.7
107.5°	138.5	138.9	139.2	139.5	139.8	140.1	140.4
110°	156.3	156.5	156.7	156.9	157.2	157.4	157.6



TEST NUMBER: P332580

CATALOG NUMBER: SA4XXDIP-C795D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	173.6	173.5	173.7	174.0	174.3	174.6	174.9
115°	199.8	200.0	200.0	200.0	200.0	200.0	200.0
117.5°	225.8	225.8	225.7	225.7	225.7	225.7	225.6
120°	242.2	242.4	242.4	242.2	242.0	241.9	241.7
122.5°	258.1	258.2	258.2	258.0	257.9	257.7	257.6
125°	280.6	280.8	281.0	281.1	281.2	281.2	281.3
127.5°	302.5	302.5	302.4	302.4	302.3	302.2	302.2
130°	316.2	316.3	316.3	316.3	316.3	316.3	316.3
132.5°	329.5	329.6	329.6	329.5	329.4	329.4	329.3
135°	347.9	348.0	348.2	348.3	348.5	348.7	348.8
137.5°	365.5	365.6	365.7	365.6	365.6	365.5	365.5
140°	376.4	376.6	376.8	376.9	376.9	377.0	377.1
142.5°	386.4	386.5	386.6	386.7	386.7	386.7	386.7
145°	400.7	400.7	400.8	401.0	401.2	401.3	401.5
147.5°	413.3	413.3	413.4	413.5	413.5	413.6	413.7
150°	421.3	421.3	421.3	421.4	421.5	421.5	421.6
152.5°	428.4	428.6	428.6	428.5	428.5	428.5	428.4
155°	438.1	438.4	438.5	438.2	438.0	437.8	437.5
157.5°	446.4	446.8	446.8	446.4	446.0	445.6	445.2
160°	451.7	452.1	452.1	451.7	451.2	450.7	450.2
162.5°	455.9	456.4	456.3	455.8	455.3	454.7	454.2
165°	462.0	462.7	462.6	461.9	461.2	460.5	459.8
167.5°	466.5	467.1	467.1	466.3	465.5	464.7	464.0
170°	469.1	469.7	469.6	468.9	468.1	467.3	466.5
172.5°	470.8	471.4	471.3	470.5	469.6	468.8	467.9
175°	472.9	473.6	473.5	472.5	471.6	470.6	469.7
177.5°	473.5	474.0	473.8	473.1	472.3	471.6	470.8
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5

(END OF REPORT)