

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: P332589-927

Luminaire Tested: **S124DIP-S795D590U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332589-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S795D590U927-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4676.7 lumens
Efficiency: N/A
Efficacy: 116.0 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

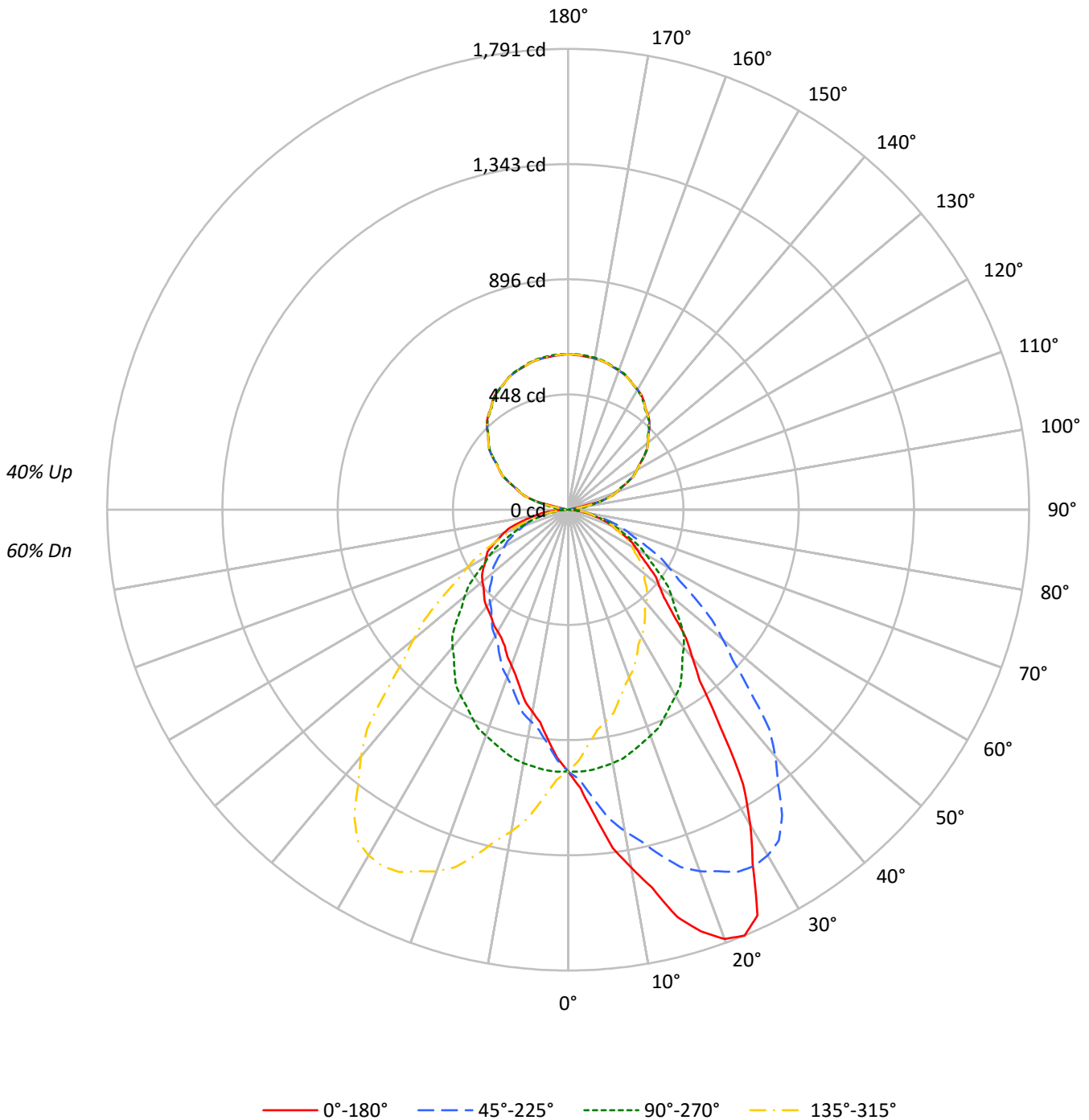
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	89	89	89	77	77	77	65	65	65	60
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56	51
2	92	84	78	73	85	79	74	69	69	65	61	60	57	54	52	49	47	43
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41	37
4	77	66	58	52	71	62	55	49	55	49	45	48	43	40	41	38	35	32
5	71	59	51	45	66	55	48	43	49	43	39	43	38	35	37	34	31	28
6	65	53	45	39	61	50	43	37	44	38	34	39	34	31	34	30	27	25
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	22
8	56	44	36	31	52	41	34	29	37	31	27	33	28	24	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	24	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8211	8211	8211	8211
5°	9669	8232	7266	8232
10°	11576	8196	6542	8196
15°	13697	8113	6007	8113
20°	15253	8028	5530	8028
25°	15499	7904	5201	7904
30°	13189	7784	5097	7784
35°	10139	7591	5099	7591
40°	7904	7361	5195	7361
45°	6590	7018	5281	7018
50°	5800	6599	5461	6599
55°	5313	6096	5681	6096
60°	4979	5646	5945	5646
65°	4634	5142	6164	5142
70°	4237	4645	6305	4645
75°	3787	4086	6229	4086
80°	3175	3347	6034	3347
85°	2343	2418	5771	2418



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.1	2.1
10°-20°	305.4	6.5
20°-30°	484.3	10.4
30°-40°	539.0	11.5
40°-50°	490.6	10.5
50°-60°	400.9	8.6
60°-70°	286.2	6.1
70°-80°	157.6	3.4
80°-90°	44.8	1.0
90°-100°	20.7	0.4
100°-110°	131.7	2.8
110°-120°	252.0	5.4
120°-130°	319.9	6.8
130°-140°	342.3	7.3
140°-150°	320.1	6.8
150°-160°	258.1	5.5
160°-170°	166.5	3.6
170°-180°	57.4	1.2
0°-30°	888.8	19.0
0°-40°	1427.7	30.5
0°-60°	2319.2	49.6
0°-90°	2807.8	60.0
90°-120°	404.5	8.6
90°-150°	1386.8	29.7
90°-180°	1869.0	40.0
0°-180°	4676.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1017	1017	1017	1017	1017	
5°	1193	1016	897	1016	1193	121
15°	1639	971	719	971	1639	463
25°	1740	887	584	887	1740	767
35°	1029	770	517	770	1029	653
45°	577	615	463	615	577	455
55°	378	433	404	433	378	341
65°	243	269	323	269	243	240
75°	121	131	200	131	121	129
85°	25	26	62	26	25	31
90°	14	1	14	1	14	7
95°	13	25	13	25	13	10
105°	129	136	129	136	129	112
115°	256	254	256	254	256	253
125°	360	357	360	357	360	320
135°	446	443	446	443	446	343
145°	513	511	513	511	513	321
155°	559	560	559	560	559	258
165°	588	591	588	591	588	166
175°	601	604	601	604	601	57
180°	604	604	604	604	604	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1082.4	1082.1	1078.7	1078.1	1075.7	1072.7	1072.0	1066.6	1055.8	1050.8	1049.4
5°	1193.2	1201.6	1190.6	1188.5	1187.2	1173.4	1166.2	1157.8	1138.4	1127.0	1118.2
7.5°	1325.3	1326.3	1321.5	1317.6	1306.9	1294.7	1276.6	1257.2	1234.1	1210.1	1192.0
10°	1412.2	1415.6	1410.2	1409.3	1387.8	1374.4	1347.3	1324.6	1298.5	1269.4	1242.9
12.5°	1504.0	1499.2	1496.4	1478.4	1474.4	1449.9	1418.5	1395.0	1354.8	1321.4	1286.0
15°	1638.9	1629.7	1623.7	1598.9	1586.7	1552.5	1519.2	1493.6	1440.9	1390.8	1352.8
17.5°	1718.1	1727.4	1713.7	1703.5	1671.9	1648.0	1614.0	1560.0	1518.9	1456.6	1408.7
20°	1775.4	1776.2	1768.7	1758.2	1733.3	1703.0	1665.9	1606.9	1557.6	1495.6	1430.0
22.5°	1790.9	1791.1	1787.9	1778.1	1759.2	1734.6	1697.3	1648.0	1588.2	1520.9	1455.2
25°	1740.0	1738.4	1742.2	1753.1	1745.9	1738.4	1716.8	1680.2	1624.6	1553.4	1482.6
27.5°	1550.9	1562.6	1584.0	1610.9	1636.9	1656.7	1662.2	1654.7	1620.3	1561.7	1487.6
30°	1414.8	1429.1	1445.1	1472.0	1524.3	1554.3	1587.1	1611.9	1598.1	1551.3	1482.2
32.5°	1265.1	1268.7	1292.4	1323.1	1371.0	1428.5	1480.6	1531.1	1547.8	1523.3	1465.7
35°	1028.8	1034.7	1060.4	1090.8	1149.4	1219.7	1298.1	1368.0	1425.7	1448.9	1419.4
37.5°	839.6	856.5	874.6	907.3	958.9	1022.2	1103.6	1194.1	1280.1	1337.8	1347.5
40°	750.0	760.5	773.6	798.4	842.2	904.6	974.5	1078.2	1169.6	1252.1	1279.1
42.5°	679.1	685.3	693.3	715.8	749.2	811.2	875.0	966.2	1058.0	1156.7	1201.9
45°	577.2	583.5	597.0	610.1	635.3	678.3	737.7	812.7	905.0	1000.2	1083.6
47.5°	503.6	507.6	515.6	529.6	551.0	579.4	627.7	690.4	775.9	868.3	957.2
50°	461.8	465.1	471.4	484.1	500.5	525.8	565.4	624.0	690.9	784.1	871.2
52.5°	428.7	430.1	434.7	443.3	456.4	477.6	510.1	558.6	620.8	703.9	790.8
55°	377.5	379.2	383.4	389.8	401.1	414.5	439.4	475.6	530.0	602.1	677.5
57.5°	335.3	336.5	340.1	342.5	351.9	362.8	382.0	407.8	449.0	510.1	577.4
60°	308.4	307.5	311.8	313.9	320.2	329.5	344.2	369.1	404.9	454.2	516.1
62.5°	282.1	280.9	284.5	287.2	290.9	298.8	310.9	330.3	359.4	403.9	457.5
65°	242.6	241.0	243.1	246.4	249.9	254.1	262.9	280.2	303.3	335.3	376.2
67.5°	203.0	204.9	205.2	206.8	208.8	214.5	220.6	232.8	249.1	274.8	309.4
70°	179.5	179.9	181.6	181.6	182.8	187.9	193.0	200.1	216.1	239.7	267.9
72.5°	155.9	157.6	157.0	158.4	159.2	162.6	166.4	173.2	186.8	204.3	228.1
75°	121.4	122.6	122.6	123.0	124.3	125.6	128.5	133.6	143.2	156.3	172.8
77.5°	88.5	88.6	89.2	90.8	90.8	92.8	95.0	99.0	103.8	112.7	122.8
80°	68.3	69.1	68.7	69.6	69.6	71.2	72.0	77.1	79.2	85.1	93.1
82.5°	50.1	50.9	50.8	52.0	52.7	53.0	54.2	56.2	58.3	63.5	66.8
85°	25.3	26.1	25.3	26.1	27.4	27.8	29.1	29.5	31.2	32.5	35.4
87.5°	10.1	11.1	11.1	11.3	12.0	12.3	12.4	12.0	13.2	13.5	14.7
90°	13.5	13.4	13.2	13.0	12.8	12.4	11.7	11.2	10.5	9.9	9.1
92.5°	12.4	12.4	12.4	12.4	12.3	12.0	11.4	10.8	10.2	9.6	8.8
95°	13.1	13.0	12.9	12.8	12.7	12.4	11.7	11.2	10.5	9.9	9.8
97.5°	12.7	12.5	12.4	12.4	12.3	12.2	12.1	12.0	12.0	12.0	23.1
100°	12.7	12.5	12.4	12.4	12.3	13.1	14.7	16.5	18.1	19.9	33.7
102.5°	13.0	13.0	13.0	13.0	12.9	22.1	40.6	58.9	77.4	95.8	97.6
105°	128.8	132.4	136.0	139.7	143.2	144.6	143.7	142.8	141.9	141.0	140.5
107.5°	179.5	179.1	178.7	178.3	177.9	177.5	177.1	176.7	176.3	175.8	175.1
110°	201.5	201.2	200.9	200.7	200.3	200.1	199.9	199.7	199.5	199.3	198.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	223.6	223.2	222.8	222.4	222.0	221.9	222.0	222.0	222.0	222.0	221.8
115°	255.8	255.8	255.8	255.8	255.8	255.6	255.5	255.2	255.1	254.8	254.9
117.5°	288.5	288.5	288.6	288.6	288.7	288.7	288.8	288.8	288.8	288.8	288.6
120°	309.1	309.3	309.5	309.7	309.9	309.9	309.7	309.5	309.3	309.1	309.2
122.5°	329.3	329.5	329.7	329.9	330.1	330.2	330.0	329.9	329.8	329.7	329.5
125°	359.7	359.6	359.5	359.4	359.3	359.1	358.8	358.5	358.2	357.9	358.1
127.5°	386.3	386.4	386.5	386.6	386.7	386.7	386.8	386.9	386.9	387.0	386.5
130°	404.4	404.4	404.4	404.4	404.4	404.4	404.3	404.2	404.1	404.0	403.7
132.5°	421.0	421.1	421.2	421.3	421.4	421.4	421.3	421.2	421.0	421.0	420.6
135°	446.0	445.8	445.6	445.4	445.2	445.0	444.8	444.6	444.4	444.2	443.8
137.5°	467.3	467.4	467.5	467.5	467.5	467.5	467.3	467.1	466.8	466.6	466.2
140°	482.1	482.0	482.0	481.9	481.7	481.6	481.3	480.9	480.6	480.4	480.1
142.5°	494.5	494.4	494.4	494.4	494.4	494.2	494.0	493.8	493.6	493.4	493.2
145°	513.3	513.2	512.9	512.7	512.5	512.4	512.3	512.1	512.1	512.0	512.0
147.5°	528.9	528.9	528.8	528.7	528.5	528.5	528.4	528.3	528.2	528.1	528.2
150°	539.1	539.0	538.9	538.8	538.7	538.6	538.6	538.6	538.6	538.6	538.8
152.5°	547.8	547.8	547.9	548.0	548.0	548.0	547.8	547.6	547.5	547.3	547.5
155°	559.4	559.8	560.0	560.3	560.6	560.5	560.2	559.8	559.4	559.0	559.3
157.5°	569.2	569.7	570.2	570.8	571.2	571.2	570.8	570.2	569.7	569.2	569.5
160°	575.7	576.3	576.9	577.5	578.1	578.1	577.5	576.9	576.3	575.7	575.8
162.5°	580.7	581.5	582.1	582.8	583.5	583.5	582.9	582.3	581.7	581.1	581.2
165°	587.9	588.8	589.7	590.6	591.5	591.6	590.7	589.9	589.1	588.4	588.4
167.5°	593.3	594.2	595.2	596.3	597.2	597.3	596.4	595.6	594.7	593.7	593.8
170°	596.5	597.5	598.5	599.5	600.5	600.6	599.8	599.0	598.2	597.4	597.3
172.5°	598.3	599.4	600.5	601.6	602.6	602.8	602.0	601.2	600.4	599.5	599.4
175°	600.6	601.7	602.9	604.2	605.4	605.5	604.6	603.7	602.8	601.9	601.8
177.5°	602.0	602.9	604.0	604.9	605.9	606.0	605.4	604.8	604.1	603.4	603.2
180°	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1049.7	1045.0	1041.6	1038.9	1031.6	1027.1	1023.8	1019.1	1013.7	1008.0	1000.8
5°	1109.3	1095.0	1084.5	1068.4	1053.3	1040.6	1027.6	1015.8	1001.5	985.9	974.5
7.5°	1172.0	1150.6	1123.3	1099.6	1073.0	1049.8	1029.1	1007.9	985.8	964.4	944.8
10°	1211.7	1184.3	1154.0	1118.2	1084.5	1054.6	1026.7	999.8	973.7	947.5	925.2
12.5°	1254.5	1220.4	1175.5	1133.7	1095.9	1055.9	1022.4	989.4	957.8	930.3	904.3
15°	1311.9	1262.7	1210.9	1154.8	1105.1	1058.4	1012.4	970.7	935.3	899.0	873.8
17.5°	1347.3	1286.3	1227.0	1168.5	1108.3	1049.3	999.8	951.6	907.4	871.3	839.5
20°	1370.6	1309.9	1236.1	1177.6	1106.0	1045.3	988.0	934.5	888.1	849.8	816.9
22.5°	1390.8	1320.6	1246.9	1169.8	1098.5	1034.2	971.5	917.6	870.3	829.9	798.4
25°	1401.7	1321.2	1241.2	1164.5	1083.6	1007.3	950.5	887.3	836.7	794.2	760.5
27.5°	1402.9	1316.8	1226.3	1141.1	1057.6	986.6	914.7	858.3	805.8	760.8	728.4
30°	1399.2	1309.5	1212.1	1119.8	1036.0	958.9	896.6	835.0	781.6	736.9	703.1
32.5°	1387.3	1294.0	1193.9	1096.2	1009.4	934.0	869.6	811.1	759.0	714.9	679.6
35°	1353.3	1261.0	1154.4	1052.9	963.9	887.7	829.6	770.2	718.0	676.2	642.1
37.5°	1299.9	1216.5	1108.1	1003.1	915.8	839.2	781.6	727.9	680.7	638.3	603.4
40°	1253.4	1180.1	1071.4	969.0	874.6	801.8	747.8	698.5	651.8	611.7	578.5
42.5°	1199.8	1135.9	1035.7	927.2	836.2	763.0	710.4	666.1	622.1	585.1	551.8
45°	1104.2	1062.2	967.7	867.5	772.7	703.6	653.5	614.7	577.7	541.4	513.6
47.5°	994.3	973.5	894.1	798.8	708.8	640.7	597.2	561.4	528.9	498.3	473.7
50°	920.6	910.5	841.8	750.0	664.0	599.9	556.1	525.4	497.6	470.6	447.4
52.5°	847.8	847.4	785.5	701.4	621.9	560.2	516.7	488.0	463.9	442.0	421.1
55°	736.5	748.2	699.8	624.8	553.6	498.0	458.8	433.1	416.3	398.2	382.5
57.5°	634.2	653.8	613.9	547.8	488.4	437.1	403.1	383.7	365.8	354.8	343.5
60°	567.5	586.1	554.8	499.2	443.2	399.4	366.9	349.7	334.1	326.5	318.5
62.5°	508.2	524.7	501.6	450.0	401.4	359.3	331.9	315.3	304.8	296.5	291.2
65°	423.4	437.3	417.6	380.0	338.3	304.6	282.3	269.2	259.1	255.7	249.9
67.5°	342.3	354.9	344.2	312.4	278.9	253.3	235.9	223.4	217.4	214.4	210.2
70°	294.1	306.7	295.3	267.5	241.9	220.4	203.9	196.8	190.4	189.2	183.2
72.5°	253.3	261.9	250.5	228.8	206.8	188.7	175.9	168.4	165.2	162.9	159.7
75°	190.0	197.6	190.0	173.2	157.6	145.0	134.0	131.0	127.2	126.0	123.9
77.5°	134.5	141.1	135.2	124.7	113.0	103.3	97.4	93.6	92.8	90.5	91.6
80°	102.8	107.0	101.6	94.3	85.1	78.3	74.1	72.0	69.6	68.7	70.3
82.5°	73.8	75.7	72.9	68.0	61.2	56.8	53.9	51.5	51.0	51.2	51.2
85°	38.3	37.9	37.5	33.3	31.2	28.2	26.5	26.1	25.7	26.5	27.4
87.5°	14.5	14.7	14.2	12.6	11.4	10.1	9.6	9.0	9.6	10.1	10.7
90°	8.3	7.5	6.7	5.8	4.7	3.6	2.5	1.3	2.5	3.6	4.7
92.5°	8.0	7.2	6.3	5.9	5.9	5.8	5.8	5.7	5.8	5.8	5.9
95°	9.7	9.7	9.5	11.2	14.6	18.1	21.5	24.9	21.5	18.1	14.6
97.5°	34.4	45.6	56.7	61.3	59.2	57.0	54.9	52.8	54.9	57.0	59.2
100°	47.6	61.5	75.3	81.4	79.5	77.7	75.9	74.1	75.9	77.7	79.5
102.5°	99.4	101.2	103.1	103.3	102.0	100.6	99.3	98.0	99.3	100.6	102.0
105°	140.0	139.5	138.9	138.4	137.8	137.2	136.7	136.0	136.7	137.2	137.8
107.5°	174.4	173.7	173.0	172.5	172.2	172.0	171.7	171.3	171.7	172.0	172.2
110°	198.0	197.5	196.9	196.4	196.1	195.8	195.5	195.2	195.5	195.8	196.1



TEST NUMBER: P332589-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	221.5	221.2	220.9	220.5	220.0	219.4	218.9	218.3	218.9	219.4	220.0
115°	255.1	255.2	255.2	255.2	254.8	254.5	254.3	254.0	254.3	254.5	254.8
117.5°	288.4	288.2	288.0	287.6	287.2	286.8	286.5	286.1	286.5	286.8	287.2
120°	309.3	309.4	309.5	309.3	309.0	308.6	308.2	307.8	308.2	308.6	309.0
122.5°	329.4	329.3	329.2	328.9	328.7	328.4	328.2	328.0	328.2	328.4	328.7
125°	358.3	358.5	358.7	358.6	358.2	357.8	357.4	357.0	357.4	357.8	358.2
127.5°	386.0	385.6	385.2	384.8	384.8	384.7	384.5	384.4	384.5	384.7	384.8
130°	403.4	403.1	402.7	402.6	402.5	402.3	402.3	402.2	402.3	402.3	402.5
132.5°	420.2	419.9	419.5	419.1	419.0	418.8	418.6	418.4	418.6	418.8	419.0
135°	443.4	443.0	442.6	442.4	442.5	442.7	442.8	442.8	442.8	442.7	442.5
137.5°	465.7	465.2	464.9	464.6	464.5	464.5	464.5	464.5	464.5	464.5	464.5
140°	480.0	479.7	479.5	479.3	479.1	479.0	478.7	478.6	478.7	479.0	479.1
142.5°	493.1	493.0	492.9	492.7	492.3	491.9	491.5	491.2	491.5	491.9	492.3
145°	512.0	512.0	512.0	511.8	511.5	511.2	511.0	510.6	511.0	511.2	511.5
147.5°	528.4	528.5	528.5	528.3	527.8	527.2	526.6	526.1	526.6	527.2	527.8
150°	538.8	538.9	539.1	538.9	538.5	538.1	537.7	537.3	537.7	538.1	538.5
152.5°	547.7	547.9	548.0	548.0	547.6	547.3	547.0	546.7	547.0	547.3	547.6
155°	559.6	559.9	560.2	560.3	560.2	560.1	560.0	559.9	560.0	560.1	560.2
157.5°	569.9	570.2	570.5	570.8	570.8	570.8	570.9	571.0	570.9	570.8	570.8
160°	575.9	576.0	576.1	576.3	576.6	576.9	577.2	577.5	577.2	576.9	576.6
162.5°	581.3	581.4	581.5	581.8	582.2	582.5	582.9	583.3	582.9	582.5	582.2
165°	588.4	588.4	588.4	588.6	589.1	589.6	590.1	590.6	590.1	589.6	589.1
167.5°	593.9	594.0	594.0	594.3	594.8	595.3	595.9	596.4	595.9	595.3	594.8
170°	597.1	597.1	597.0	597.2	597.9	598.4	599.0	599.7	599.0	598.4	597.9
172.5°	599.4	599.3	599.1	599.4	600.0	600.6	601.2	601.8	601.2	600.6	600.0
175°	601.7	601.6	601.5	601.7	602.4	602.9	603.6	604.2	603.6	602.9	602.4
177.5°	603.1	602.9	602.8	603.0	603.6	604.1	604.7	605.2	604.7	604.1	603.6
180°	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2



TEST NUMBER: P332589-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	997.5	994.5	990.1	984.0	979.0	973.6	972.2	970.2	974.2	970.9	969.9
5°	964.8	955.9	944.6	931.5	923.9	913.0	910.9	906.7	902.5	902.1	897.8
7.5°	930.2	917.2	902.3	889.0	876.6	864.7	856.9	855.2	849.0	845.3	841.1
10°	907.9	891.9	874.6	862.0	847.7	835.0	826.2	821.2	816.9	812.3	808.1
12.5°	881.6	864.6	850.4	836.7	819.7	810.1	795.5	786.8	785.9	786.0	775.1
15°	851.0	834.2	812.3	792.9	783.6	765.1	757.1	746.9	740.7	734.4	729.3
17.5°	816.1	795.1	778.0	755.7	738.1	723.3	712.8	706.7	697.2	688.2	681.8
20°	794.2	771.8	753.8	730.2	710.7	692.6	683.8	675.3	668.2	660.6	653.5
22.5°	771.9	748.6	726.4	703.5	685.5	666.4	657.8	646.3	639.5	635.3	628.2
25°	736.9	711.6	686.3	664.4	645.9	629.0	617.7	608.8	601.2	597.9	593.2
27.5°	698.8	673.7	649.3	624.4	603.3	591.1	582.0	575.4	570.9	566.5	564.4
30°	674.5	648.4	622.3	599.1	579.7	567.5	559.0	554.4	551.0	549.0	546.8
32.5°	649.9	624.2	596.7	575.5	558.2	547.3	540.9	536.2	534.6	533.8	533.1
35°	610.5	584.4	559.0	540.1	523.7	519.5	514.0	511.5	510.6	513.6	514.8
37.5°	572.3	548.0	524.8	506.4	495.7	489.5	487.6	487.7	490.8	493.4	496.4
40°	547.7	524.1	502.2	486.2	476.1	472.3	471.4	473.6	476.9	479.9	483.2
42.5°	523.8	500.5	480.6	465.6	458.6	455.1	455.6	457.7	462.4	466.0	471.1
45°	486.6	467.2	447.8	435.6	429.8	430.6	430.6	434.4	439.0	444.5	450.0
47.5°	451.6	432.1	416.1	405.9	402.8	402.1	404.5	409.4	416.1	422.9	430.5
50°	428.0	409.5	395.6	386.3	382.9	384.2	387.6	392.2	400.2	408.7	416.7
52.5°	404.1	387.3	374.4	365.8	363.5	365.7	369.1	376.4	383.4	392.5	402.2
55°	366.9	352.6	342.5	336.2	335.3	336.6	340.4	348.4	358.5	369.9	379.2
57.5°	329.9	318.0	308.7	304.4	304.8	305.9	312.2	321.7	332.5	344.6	356.6
60°	305.1	294.1	286.5	283.1	283.5	286.1	293.7	302.5	316.0	327.8	340.4
62.5°	281.5	271.8	264.6	261.6	260.9	266.5	273.8	283.0	296.4	309.6	323.2
65°	243.5	235.9	230.0	228.4	229.7	233.9	243.1	255.3	266.7	280.6	294.9
67.5°	206.4	200.2	196.1	196.9	198.4	204.7	212.5	222.9	235.8	250.3	264.4
70°	182.8	177.0	173.6	174.0	176.5	184.1	190.8	201.4	215.3	230.0	241.9
72.5°	158.6	154.7	151.7	153.4	156.0	161.2	169.6	180.1	192.3	206.1	218.6
75°	121.8	121.8	120.1	121.4	125.2	130.2	136.5	147.4	159.7	170.6	180.8
77.5°	90.3	89.4	90.5	92.1	94.2	100.2	107.4	115.3	124.5	135.4	143.8
80°	69.1	69.6	71.6	74.1	75.0	79.6	87.2	94.3	101.6	110.8	118.8
82.5°	51.9	52.4	53.4	56.6	57.4	62.4	67.3	74.5	81.0	87.2	93.9
85°	28.2	28.2	30.3	31.6	33.7	37.1	40.0	44.2	50.1	54.3	60.7
87.5°	12.0	12.1	13.6	14.5	15.7	17.5	18.3	22.1	23.6	25.4	28.5
90°	5.8	6.7	7.5	8.3	9.1	9.9	10.5	11.2	11.7	12.4	12.8
92.5°	5.9	6.3	7.2	8.0	8.8	9.6	10.2	10.8	11.4	12.0	12.3
95°	11.2	9.5	9.7	9.7	9.8	9.9	10.5	11.2	11.7	12.4	12.7
97.5°	61.3	56.7	45.6	34.4	23.1	12.0	12.0	12.0	12.1	12.2	12.3
100°	81.4	75.3	61.5	47.6	33.7	19.9	18.1	16.5	14.7	13.1	12.3
102.5°	103.3	103.1	101.2	99.4	97.6	95.8	77.4	58.9	40.6	22.1	12.9
105°	138.4	138.9	139.5	140.0	140.5	141.0	141.9	142.8	143.7	144.6	143.2
107.5°	172.5	173.0	173.7	174.4	175.1	175.8	176.3	176.7	177.1	177.5	177.9
110°	196.4	196.9	197.5	198.0	198.7	199.3	199.5	199.7	199.9	200.1	200.3



TEST NUMBER: P332589-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	220.5	220.9	221.2	221.5	221.8	222.0	222.0	222.0	222.0	221.9	222.0
115°	255.2	255.2	255.2	255.1	254.9	254.8	255.1	255.2	255.5	255.6	255.8
117.5°	287.6	288.0	288.2	288.4	288.6	288.8	288.8	288.8	288.8	288.7	288.7
120°	309.3	309.5	309.4	309.3	309.2	309.1	309.3	309.5	309.7	309.9	309.9
122.5°	328.9	329.2	329.3	329.4	329.5	329.7	329.8	329.9	330.0	330.2	330.1
125°	358.6	358.7	358.5	358.3	358.1	357.9	358.2	358.5	358.8	359.1	359.3
127.5°	384.8	385.2	385.6	386.0	386.5	387.0	386.9	386.9	386.8	386.7	386.7
130°	402.6	402.7	403.1	403.4	403.7	404.0	404.1	404.2	404.3	404.4	404.4
132.5°	419.1	419.5	419.9	420.2	420.6	421.0	421.0	421.2	421.3	421.4	421.4
135°	442.4	442.6	443.0	443.4	443.8	444.2	444.4	444.6	444.8	445.0	445.2
137.5°	464.6	464.9	465.2	465.7	466.2	466.6	466.8	467.1	467.3	467.5	467.5
140°	479.3	479.5	479.7	480.0	480.1	480.4	480.6	480.9	481.3	481.6	481.7
142.5°	492.7	492.9	493.0	493.1	493.2	493.4	493.6	493.8	494.0	494.2	494.4
145°	511.8	512.0	512.0	512.0	512.0	512.0	512.1	512.1	512.3	512.4	512.5
147.5°	528.3	528.5	528.5	528.4	528.2	528.1	528.2	528.3	528.4	528.5	528.5
150°	538.9	539.1	538.9	538.8	538.8	538.6	538.6	538.6	538.6	538.6	538.7
152.5°	548.0	548.0	547.9	547.7	547.5	547.3	547.5	547.6	547.8	548.0	548.0
155°	560.3	560.2	559.9	559.6	559.3	559.0	559.4	559.8	560.2	560.5	560.6
157.5°	570.8	570.5	570.2	569.9	569.5	569.2	569.7	570.2	570.8	571.2	571.2
160°	576.3	576.1	576.0	575.9	575.8	575.7	576.3	576.9	577.5	578.1	578.1
162.5°	581.8	581.5	581.4	581.3	581.2	581.1	581.7	582.3	582.9	583.5	583.5
165°	588.6	588.4	588.4	588.4	588.4	588.4	589.1	589.9	590.7	591.6	591.5
167.5°	594.3	594.0	594.0	593.9	593.8	593.7	594.7	595.6	596.4	597.3	597.2
170°	597.2	597.0	597.1	597.1	597.3	597.4	598.2	599.0	599.8	600.6	600.5
172.5°	599.4	599.1	599.3	599.4	599.4	599.5	600.4	601.2	602.0	602.8	602.6
175°	601.7	601.5	601.6	601.7	601.8	601.9	602.8	603.7	604.6	605.5	605.4
177.5°	603.0	602.8	602.9	603.1	603.2	603.4	604.1	604.8	605.4	606.0	605.9
180°	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2



TEST NUMBER: P332589-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	969.2	968.5	966.1	965.8	966.1	968.5	969.2	969.9	970.9	974.2	970.2
5°	895.3	893.2	891.9	896.6	891.9	893.2	895.3	897.8	902.1	902.5	906.7
7.5°	839.6	837.9	834.2	833.1	834.2	837.9	839.6	841.1	845.3	849.0	855.2
10°	803.8	802.2	798.8	798.0	798.8	802.2	803.8	808.1	812.3	816.9	821.2
12.5°	769.4	766.1	765.4	766.3	765.4	766.1	769.4	775.1	786.0	785.9	786.8
15°	723.8	722.2	717.5	718.7	717.5	722.2	723.8	729.3	734.4	740.7	746.9
17.5°	678.8	676.8	671.1	676.1	671.1	676.8	678.8	681.8	688.2	697.2	706.7
20°	650.5	647.1	644.2	643.7	644.2	647.1	650.5	653.5	660.6	668.2	675.3
22.5°	623.5	620.5	620.3	617.5	620.3	620.5	623.5	628.2	635.3	639.5	646.3
25°	589.9	586.9	586.1	583.9	586.1	586.9	589.9	593.2	597.9	601.2	608.8
27.5°	564.0	562.5	561.0	561.7	561.0	562.5	564.0	564.4	566.5	570.9	575.4
30°	548.1	547.7	546.8	546.8	546.8	547.7	548.1	546.8	549.0	551.0	554.4
32.5°	535.0	534.9	535.4	535.4	535.4	534.9	535.0	533.1	533.8	534.6	536.2
35°	516.5	517.8	518.6	517.4	518.6	517.8	516.5	514.8	513.6	510.6	511.5
37.5°	499.9	501.1	502.3	503.7	502.3	501.1	499.9	496.4	493.4	490.8	487.7
40°	487.0	490.0	490.8	493.0	490.8	490.0	487.0	483.2	479.9	476.9	473.6
42.5°	474.9	478.2	480.4	480.8	480.4	478.2	474.9	471.1	466.0	462.4	457.7
45°	456.3	459.6	462.6	462.6	462.6	459.6	456.3	450.0	444.5	439.0	434.4
47.5°	437.0	441.9	444.8	445.6	444.8	441.9	437.0	430.5	422.9	416.1	409.4
50°	423.8	429.8	432.7	434.8	432.7	429.8	423.8	416.7	408.7	400.2	392.2
52.5°	411.1	416.9	420.9	422.0	420.9	416.9	411.1	402.2	392.5	383.4	376.4
55°	388.9	397.3	402.0	403.6	402.0	397.3	388.9	379.2	369.9	358.5	348.4
57.5°	368.0	375.7	381.1	382.4	381.1	375.7	368.0	356.6	344.6	332.5	321.7
60°	351.8	360.2	366.9	368.2	366.9	360.2	351.8	340.4	327.8	316.0	302.5
62.5°	335.3	344.0	350.1	353.4	350.1	344.0	335.3	323.2	309.6	296.4	283.0
65°	306.7	315.5	321.5	322.7	321.5	315.5	306.7	294.9	280.6	266.7	255.3
67.5°	275.5	284.4	288.3	290.7	288.3	284.4	275.5	264.4	250.3	235.8	222.9
70°	253.7	260.8	265.0	267.1	265.0	260.8	253.7	241.9	230.0	215.3	201.4
72.5°	228.7	236.1	241.1	241.5	241.1	236.1	228.7	218.6	206.1	192.3	180.1
75°	190.4	197.2	199.7	199.7	199.7	197.2	190.4	180.8	170.6	159.7	147.4
77.5°	150.8	154.2	157.4	158.0	157.4	154.2	150.8	143.8	135.4	124.5	115.3
80°	125.2	127.2	129.8	129.8	129.8	127.2	125.2	118.8	110.8	101.6	94.3
82.5°	98.9	100.6	103.1	102.8	103.1	100.6	98.9	93.9	87.2	81.0	74.5
85°	59.8	63.6	63.2	62.3	63.2	63.6	59.8	60.7	54.3	50.1	44.2
87.5°	29.5	29.9	31.0	31.7	31.0	29.9	29.5	28.5	25.4	23.6	22.1
90°	13.0	13.2	13.4	13.5	13.4	13.2	13.0	12.8	12.4	11.7	11.2
92.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.3	12.0	11.4	10.8
95°	12.8	12.9	13.0	13.1	13.0	12.9	12.8	12.7	12.4	11.7	11.2
97.5°	12.4	12.4	12.5	12.7	12.5	12.4	12.4	12.3	12.2	12.1	12.0
100°	12.4	12.4	12.5	12.7	12.5	12.4	12.4	12.3	13.1	14.7	16.5
102.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	22.1	40.6	58.9
105°	139.7	136.0	132.4	128.8	132.4	136.0	139.7	143.2	144.6	143.7	142.8
107.5°	178.3	178.7	179.1	179.5	179.1	178.7	178.3	177.9	177.5	177.1	176.7
110°	200.7	200.9	201.2	201.5	201.2	200.9	200.7	200.3	200.1	199.9	199.7



TEST NUMBER: P332589-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	222.4	222.8	223.2	223.6	223.2	222.8	222.4	222.0	221.9	222.0	222.0
115°	255.8	255.8	255.8	255.8	255.8	255.8	255.8	255.8	255.6	255.5	255.2
117.5°	288.6	288.6	288.5	288.5	288.5	288.6	288.6	288.7	288.7	288.8	288.8
120°	309.7	309.5	309.3	309.1	309.3	309.5	309.7	309.9	309.9	309.7	309.5
122.5°	329.9	329.7	329.5	329.3	329.5	329.7	329.9	330.1	330.2	330.0	329.9
125°	359.4	359.5	359.6	359.7	359.6	359.5	359.4	359.3	359.1	358.8	358.5
127.5°	386.6	386.5	386.4	386.3	386.4	386.5	386.6	386.7	386.7	386.8	386.9
130°	404.4	404.4	404.4	404.4	404.4	404.4	404.4	404.4	404.4	404.3	404.2
132.5°	421.3	421.2	421.1	421.0	421.1	421.2	421.3	421.4	421.4	421.3	421.2
135°	445.4	445.6	445.8	446.0	445.8	445.6	445.4	445.2	445.0	444.8	444.6
137.5°	467.5	467.5	467.4	467.3	467.4	467.5	467.5	467.5	467.5	467.3	467.1
140°	481.9	482.0	482.0	482.1	482.0	482.0	481.9	481.7	481.6	481.3	480.9
142.5°	494.4	494.4	494.4	494.5	494.4	494.4	494.4	494.4	494.2	494.0	493.8
145°	512.7	512.9	513.2	513.3	513.2	512.9	512.7	512.5	512.4	512.3	512.1
147.5°	528.7	528.8	528.9	528.9	528.9	528.8	528.7	528.5	528.5	528.4	528.3
150°	538.8	538.9	539.0	539.1	539.0	538.9	538.8	538.7	538.6	538.6	538.6
152.5°	548.0	547.9	547.8	547.8	547.8	547.9	548.0	548.0	548.0	547.8	547.6
155°	560.3	560.0	559.8	559.4	559.8	560.0	560.3	560.6	560.5	560.2	559.8
157.5°	570.8	570.2	569.7	569.2	569.7	570.2	570.8	571.2	571.2	570.8	570.2
160°	577.5	576.9	576.3	575.7	576.3	576.9	577.5	578.1	578.1	577.5	576.9
162.5°	582.8	582.1	581.5	580.7	581.5	582.1	582.8	583.5	583.5	582.9	582.3
165°	590.6	589.7	588.8	587.9	588.8	589.7	590.6	591.5	591.6	590.7	589.9
167.5°	596.3	595.2	594.2	593.3	594.2	595.2	596.3	597.2	597.3	596.4	595.6
170°	599.5	598.5	597.5	596.5	597.5	598.5	599.5	600.5	600.6	599.8	599.0
172.5°	601.6	600.5	599.4	598.3	599.4	600.5	601.6	602.6	602.8	602.0	601.2
175°	604.2	602.9	601.7	600.6	601.7	602.9	604.2	605.4	605.5	604.6	603.7
177.5°	604.9	604.0	602.9	602.0	602.9	604.0	604.9	605.9	606.0	605.4	604.8
180°	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2



TEST NUMBER: P332589-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	972.2	973.6	979.0	984.0	990.1	994.5	997.5	1000.8	1008.0	1013.7	1019.1
5°	910.9	913.0	923.9	931.5	944.6	955.9	964.8	974.5	985.9	1001.5	1015.8
7.5°	856.9	864.7	876.6	889.0	902.3	917.2	930.2	944.8	964.4	985.8	1007.9
10°	826.2	835.0	847.7	862.0	874.6	891.9	907.9	925.2	947.5	973.7	999.8
12.5°	795.5	810.1	819.7	836.7	850.4	864.6	881.6	904.3	930.3	957.8	989.4
15°	757.1	765.1	783.6	792.9	812.3	834.2	851.0	873.8	899.0	935.3	970.7
17.5°	712.8	723.3	738.1	755.7	778.0	795.1	816.1	839.5	871.3	907.4	951.6
20°	683.8	692.6	710.7	730.2	753.8	771.8	794.2	816.9	849.8	888.1	934.5
22.5°	657.8	666.4	685.5	703.5	726.4	748.6	771.9	798.4	829.9	870.3	917.6
25°	617.7	629.0	645.9	664.4	686.3	711.6	736.9	760.5	794.2	836.7	887.3
27.5°	582.0	591.1	603.3	624.4	649.3	673.7	698.8	728.4	760.8	805.8	858.3
30°	559.0	567.5	579.7	599.1	622.3	648.4	674.5	703.1	736.9	781.6	835.0
32.5°	540.9	547.3	558.2	575.5	596.7	624.2	649.9	679.6	714.9	759.0	811.1
35°	514.0	519.5	523.7	540.1	559.0	584.4	610.5	642.1	676.2	718.0	770.2
37.5°	487.6	489.5	495.7	506.4	524.8	548.0	572.3	603.4	638.3	680.7	727.9
40°	471.4	472.3	476.1	486.2	502.2	524.1	547.7	578.5	611.7	651.8	698.5
42.5°	455.6	455.1	458.6	465.6	480.6	500.5	523.8	551.8	585.1	622.1	666.1
45°	430.6	430.6	429.8	435.6	447.8	467.2	486.6	513.6	541.4	577.7	614.7
47.5°	404.5	402.1	402.8	405.9	416.1	432.1	451.6	473.7	498.3	528.9	561.4
50°	387.6	384.2	382.9	386.3	395.6	409.5	428.0	447.4	470.6	497.6	525.4
52.5°	369.1	365.7	363.5	365.8	374.4	387.3	404.1	421.1	442.0	463.9	488.0
55°	340.4	336.6	335.3	336.2	342.5	352.6	366.9	382.5	398.2	416.3	433.1
57.5°	312.2	305.9	304.8	304.4	308.7	318.0	329.9	343.5	354.8	365.8	383.7
60°	293.7	286.1	283.5	283.1	286.5	294.1	305.1	318.5	326.5	334.1	349.7
62.5°	273.8	266.5	260.9	261.6	264.6	271.8	281.5	291.2	296.5	304.8	315.3
65°	243.1	233.9	229.7	228.4	230.0	235.9	243.5	249.9	255.7	259.1	269.2
67.5°	212.5	204.7	198.4	196.9	196.1	200.2	206.4	210.2	214.4	217.4	223.4
70°	190.8	184.1	176.5	174.0	173.6	177.0	182.8	183.2	189.2	190.4	196.8
72.5°	169.6	161.2	156.0	153.4	151.7	154.7	158.6	159.7	162.9	165.2	168.4
75°	136.5	130.2	125.2	121.4	120.1	121.8	121.8	123.9	126.0	127.2	131.0
77.5°	107.4	100.2	94.2	92.1	90.5	89.4	90.3	91.6	90.5	92.8	93.6
80°	87.2	79.6	75.0	74.1	71.6	69.6	69.1	70.3	68.7	69.6	72.0
82.5°	67.3	62.4	57.4	56.6	53.4	52.4	51.9	51.2	51.2	51.0	51.5
85°	40.0	37.1	33.7	31.6	30.3	28.2	28.2	27.4	26.5	25.7	26.1
87.5°	18.3	17.5	15.7	14.5	13.6	12.1	12.0	10.7	10.1	9.6	9.0
90°	10.5	9.9	9.1	8.3	7.5	6.7	5.8	4.7	3.6	2.5	1.3
92.5°	10.2	9.6	8.8	8.0	7.2	6.3	5.9	5.9	5.8	5.8	5.7
95°	10.5	9.9	9.8	9.7	9.7	9.5	11.2	14.6	18.1	21.5	24.9
97.5°	12.0	12.0	23.1	34.4	45.6	56.7	61.3	59.2	57.0	54.9	52.8
100°	18.1	19.9	33.7	47.6	61.5	75.3	81.4	79.5	77.7	75.9	74.1
102.5°	77.4	95.8	97.6	99.4	101.2	103.1	103.3	102.0	100.6	99.3	98.0
105°	141.9	141.0	140.5	140.0	139.5	138.9	138.4	137.8	137.2	136.7	136.0
107.5°	176.3	175.8	175.1	174.4	173.7	173.0	172.5	172.2	172.0	171.7	171.3
110°	199.5	199.3	198.7	198.0	197.5	196.9	196.4	196.1	195.8	195.5	195.2



TEST NUMBER: P332589-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	222.0	222.0	221.8	221.5	221.2	220.9	220.5	220.0	219.4	218.9	218.3
115°	255.1	254.8	254.9	255.1	255.2	255.2	255.2	254.8	254.5	254.3	254.0
117.5°	288.8	288.8	288.6	288.4	288.2	288.0	287.6	287.2	286.8	286.5	286.1
120°	309.3	309.1	309.2	309.3	309.4	309.5	309.3	309.0	308.6	308.2	307.8
122.5°	329.8	329.7	329.5	329.4	329.3	329.2	328.9	328.7	328.4	328.2	328.0
125°	358.2	357.9	358.1	358.3	358.5	358.7	358.6	358.2	357.8	357.4	357.0
127.5°	386.9	387.0	386.5	386.0	385.6	385.2	384.8	384.8	384.7	384.5	384.4
130°	404.1	404.0	403.7	403.4	403.1	402.7	402.6	402.5	402.3	402.3	402.2
132.5°	421.0	421.0	420.6	420.2	419.9	419.5	419.1	419.0	418.8	418.6	418.4
135°	444.4	444.2	443.8	443.4	443.0	442.6	442.4	442.5	442.7	442.8	442.8
137.5°	466.8	466.6	466.2	465.7	465.2	464.9	464.6	464.5	464.5	464.5	464.5
140°	480.6	480.4	480.1	480.0	479.7	479.5	479.3	479.1	479.0	478.7	478.6
142.5°	493.6	493.4	493.2	493.1	493.0	492.9	492.7	492.3	491.9	491.5	491.2
145°	512.1	512.0	512.0	512.0	512.0	512.0	511.8	511.5	511.2	511.0	510.6
147.5°	528.2	528.1	528.2	528.4	528.5	528.5	528.3	527.8	527.2	526.6	526.1
150°	538.6	538.6	538.8	538.8	538.9	539.1	538.9	538.5	538.1	537.7	537.3
152.5°	547.5	547.3	547.5	547.7	547.9	548.0	548.0	547.6	547.3	547.0	546.7
155°	559.4	559.0	559.3	559.6	559.9	560.2	560.3	560.2	560.1	560.0	559.9
157.5°	569.7	569.2	569.5	569.9	570.2	570.5	570.8	570.8	570.8	570.9	571.0
160°	576.3	575.7	575.8	575.9	576.0	576.1	576.3	576.6	576.9	577.2	577.5
162.5°	581.7	581.1	581.2	581.3	581.4	581.5	581.8	582.2	582.5	582.9	583.3
165°	589.1	588.4	588.4	588.4	588.4	588.4	588.6	589.1	589.6	590.1	590.6
167.5°	594.7	593.7	593.8	593.9	594.0	594.0	594.3	594.8	595.3	595.9	596.4
170°	598.2	597.4	597.3	597.1	597.1	597.0	597.2	597.9	598.4	599.0	599.7
172.5°	600.4	599.5	599.4	599.4	599.3	599.1	599.4	600.0	600.6	601.2	601.8
175°	602.8	601.9	601.8	601.7	601.6	601.5	601.7	602.4	602.9	603.6	604.2
177.5°	604.1	603.4	603.2	603.1	602.9	602.8	603.0	603.6	604.1	604.7	605.2
180°	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2



TEST NUMBER: P332589-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1023.8	1027.1	1031.6	1038.9	1041.6	1045.0	1049.7	1049.4	1050.8	1055.8	1066.6
5°	1027.6	1040.6	1053.3	1068.4	1084.5	1095.0	1109.3	1118.2	1127.0	1138.4	1157.8
7.5°	1029.1	1049.8	1073.0	1099.6	1123.3	1150.6	1172.0	1192.0	1210.1	1234.1	1257.2
10°	1026.7	1054.6	1084.5	1118.2	1154.0	1184.3	1211.7	1242.9	1269.4	1298.5	1324.6
12.5°	1022.4	1055.9	1095.9	1133.7	1175.5	1220.4	1254.5	1286.0	1321.4	1354.8	1395.0
15°	1012.4	1058.4	1105.1	1154.8	1210.9	1262.7	1311.9	1352.8	1390.8	1440.9	1493.6
17.5°	999.8	1049.3	1108.3	1168.5	1227.0	1286.3	1347.3	1408.7	1456.6	1518.9	1560.0
20°	988.0	1045.3	1106.0	1177.6	1236.1	1309.9	1370.6	1430.0	1495.6	1557.6	1606.9
22.5°	971.5	1034.2	1098.5	1169.8	1246.9	1320.6	1390.8	1455.2	1520.9	1588.2	1648.0
25°	950.5	1007.3	1083.6	1164.5	1241.2	1321.2	1401.7	1482.6	1553.4	1624.6	1680.2
27.5°	914.7	986.6	1057.6	1141.1	1226.3	1316.8	1402.9	1487.6	1561.7	1620.3	1654.7
30°	896.6	958.9	1036.0	1119.8	1212.1	1309.5	1399.2	1482.2	1551.3	1598.1	1611.9
32.5°	869.6	934.0	1009.4	1096.2	1193.9	1294.0	1387.3	1465.7	1523.3	1547.8	1531.1
35°	829.6	887.7	963.9	1052.9	1154.4	1261.0	1353.3	1419.4	1448.9	1425.7	1368.0
37.5°	781.6	839.2	915.8	1003.1	1108.1	1216.5	1299.9	1347.5	1337.8	1280.1	1194.1
40°	747.8	801.8	874.6	969.0	1071.4	1180.1	1253.4	1279.1	1252.1	1169.6	1078.2
42.5°	710.4	763.0	836.2	927.2	1035.7	1135.9	1199.8	1201.9	1156.7	1058.0	966.2
45°	653.5	703.6	772.7	867.5	967.7	1062.2	1104.2	1083.6	1000.2	905.0	812.7
47.5°	597.2	640.7	708.8	798.8	894.1	973.5	994.3	957.2	868.3	775.9	690.4
50°	556.1	599.9	664.0	750.0	841.8	910.5	920.6	871.2	784.1	690.9	624.0
52.5°	516.7	560.2	621.9	701.4	785.5	847.4	847.8	790.8	703.9	620.8	558.6
55°	458.8	498.0	553.6	624.8	699.8	748.2	736.5	677.5	602.1	530.0	475.6
57.5°	403.1	437.1	488.4	547.8	613.9	653.8	634.2	577.4	510.1	449.0	407.8
60°	366.9	399.4	443.2	499.2	554.8	586.1	567.5	516.1	454.2	404.9	369.1
62.5°	331.9	359.3	401.4	450.0	501.6	524.7	508.2	457.5	403.9	359.4	330.3
65°	282.3	304.6	338.3	380.0	417.6	437.3	423.4	376.2	335.3	303.3	280.2
67.5°	235.9	253.3	278.9	312.4	344.2	354.9	342.3	309.4	274.8	249.1	232.8
70°	203.9	220.4	241.9	267.5	295.3	306.7	294.1	267.9	239.7	216.1	200.1
72.5°	175.9	188.7	206.8	228.8	250.5	261.9	253.3	228.1	204.3	186.8	173.2
75°	134.0	145.0	157.6	173.2	190.0	197.6	190.0	172.8	156.3	143.2	133.6
77.5°	97.4	103.3	113.0	124.7	135.2	141.1	134.5	122.8	112.7	103.8	99.0
80°	74.1	78.3	85.1	94.3	101.6	107.0	102.8	93.1	85.1	79.2	77.1
82.5°	53.9	56.8	61.2	68.0	72.9	75.7	73.8	66.8	63.5	58.3	56.2
85°	26.5	28.2	31.2	33.3	37.5	37.9	38.3	35.4	32.5	31.2	29.5
87.5°	9.6	10.1	11.4	12.6	14.2	14.7	14.5	14.7	13.5	13.2	12.0
90°	2.5	3.6	4.7	5.8	6.7	7.5	8.3	9.1	9.9	10.5	11.2
92.5°	5.8	5.8	5.9	5.9	6.3	7.2	8.0	8.8	9.6	10.2	10.8
95°	21.5	18.1	14.6	11.2	9.5	9.7	9.7	9.8	9.9	10.5	11.2
97.5°	54.9	57.0	59.2	61.3	56.7	45.6	34.4	23.1	12.0	12.0	12.0
100°	75.9	77.7	79.5	81.4	75.3	61.5	47.6	33.7	19.9	18.1	16.5
102.5°	99.3	100.6	102.0	103.3	103.1	101.2	99.4	97.6	95.8	77.4	58.9
105°	136.7	137.2	137.8	138.4	138.9	139.5	140.0	140.5	141.0	141.9	142.8
107.5°	171.7	172.0	172.2	172.5	173.0	173.7	174.4	175.1	175.8	176.3	176.7
110°	195.5	195.8	196.1	196.4	196.9	197.5	198.0	198.7	199.3	199.5	199.7



TEST NUMBER: P332589-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	218.9	219.4	220.0	220.5	220.9	221.2	221.5	221.8	222.0	222.0	222.0
115°	254.3	254.5	254.8	255.2	255.2	255.2	255.1	254.9	254.8	255.1	255.2
117.5°	286.5	286.8	287.2	287.6	288.0	288.2	288.4	288.6	288.8	288.8	288.8
120°	308.2	308.6	309.0	309.3	309.5	309.4	309.3	309.2	309.1	309.3	309.5
122.5°	328.2	328.4	328.7	328.9	329.2	329.3	329.4	329.5	329.7	329.8	329.9
125°	357.4	357.8	358.2	358.6	358.7	358.5	358.3	358.1	357.9	358.2	358.5
127.5°	384.5	384.7	384.8	384.8	385.2	385.6	386.0	386.5	387.0	386.9	386.9
130°	402.3	402.3	402.5	402.6	402.7	403.1	403.4	403.7	404.0	404.1	404.2
132.5°	418.6	418.8	419.0	419.1	419.5	419.9	420.2	420.6	421.0	421.0	421.2
135°	442.8	442.7	442.5	442.4	442.6	443.0	443.4	443.8	444.2	444.4	444.6
137.5°	464.5	464.5	464.5	464.6	464.9	465.2	465.7	466.2	466.6	466.8	467.1
140°	478.7	479.0	479.1	479.3	479.5	479.7	480.0	480.1	480.4	480.6	480.9
142.5°	491.5	491.9	492.3	492.7	492.9	493.0	493.1	493.2	493.4	493.6	493.8
145°	511.0	511.2	511.5	511.8	512.0	512.0	512.0	512.0	512.0	512.1	512.1
147.5°	526.6	527.2	527.8	528.3	528.5	528.5	528.4	528.2	528.1	528.2	528.3
150°	537.7	538.1	538.5	538.9	539.1	538.9	538.8	538.8	538.6	538.6	538.6
152.5°	547.0	547.3	547.6	548.0	548.0	547.9	547.7	547.5	547.3	547.5	547.6
155°	560.0	560.1	560.2	560.3	560.2	559.9	559.6	559.3	559.0	559.4	559.8
157.5°	570.9	570.8	570.8	570.8	570.5	570.2	569.9	569.5	569.2	569.7	570.2
160°	577.2	576.9	576.6	576.3	576.1	576.0	575.9	575.8	575.7	576.3	576.9
162.5°	582.9	582.5	582.2	581.8	581.5	581.4	581.3	581.2	581.1	581.7	582.3
165°	590.1	589.6	589.1	588.6	588.4	588.4	588.4	588.4	588.4	589.1	589.9
167.5°	595.9	595.3	594.8	594.3	594.0	594.0	593.9	593.8	593.7	594.7	595.6
170°	599.0	598.4	597.9	597.2	597.0	597.1	597.1	597.3	597.4	598.2	599.0
172.5°	601.2	600.6	600.0	599.4	599.1	599.3	599.4	599.4	599.5	600.4	601.2
175°	603.6	602.9	602.4	601.7	601.5	601.6	601.7	601.8	601.9	602.8	603.7
177.5°	604.7	604.1	603.6	603.0	602.8	602.9	603.1	603.2	603.4	604.1	604.8
180°	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1072.0	1072.7	1075.7	1078.1	1078.7	1082.1	1082.4
5°	1166.2	1173.4	1187.2	1188.5	1190.6	1201.6	1193.2
7.5°	1276.6	1294.7	1306.9	1317.6	1321.5	1326.3	1325.3
10°	1347.3	1374.4	1387.8	1409.3	1410.2	1415.6	1412.2
12.5°	1418.5	1449.9	1474.4	1478.4	1496.4	1499.2	1504.0
15°	1519.2	1552.5	1586.7	1598.9	1623.7	1629.7	1638.9
17.5°	1614.0	1648.0	1671.9	1703.5	1713.7	1727.4	1718.1
20°	1665.9	1703.0	1733.3	1758.2	1768.7	1776.2	1775.4
22.5°	1697.3	1734.6	1759.2	1778.1	1787.9	1791.1	1790.9
25°	1716.8	1738.4	1745.9	1753.1	1742.2	1738.4	1740.0
27.5°	1662.2	1656.7	1636.9	1610.9	1584.0	1562.6	1550.9
30°	1587.1	1554.3	1524.3	1472.0	1445.1	1429.1	1414.8
32.5°	1480.6	1428.5	1371.0	1323.1	1292.4	1268.7	1265.1
35°	1298.1	1219.7	1149.4	1090.8	1060.4	1034.7	1028.8
37.5°	1103.6	1022.2	958.9	907.3	874.6	856.5	839.6
40°	974.5	904.6	842.2	798.4	773.6	760.5	750.0
42.5°	875.0	811.2	749.2	715.8	693.3	685.3	679.1
45°	737.7	678.3	635.3	610.1	597.0	583.5	577.2
47.5°	627.7	579.4	551.0	529.6	515.6	507.6	503.6
50°	565.4	525.8	500.5	484.1	471.4	465.1	461.8
52.5°	510.1	477.6	456.4	443.3	434.7	430.1	428.7
55°	439.4	414.5	401.1	389.8	383.4	379.2	377.5
57.5°	382.0	362.8	351.9	342.5	340.1	336.5	335.3
60°	344.2	329.5	320.2	313.9	311.8	307.5	308.4
62.5°	310.9	298.8	290.9	287.2	284.5	280.9	282.1
65°	262.9	254.1	249.9	246.4	243.1	241.0	242.6
67.5°	220.6	214.5	208.8	206.8	205.2	204.9	203.0
70°	193.0	187.9	182.8	181.6	181.6	179.9	179.5
72.5°	166.4	162.6	159.2	158.4	157.0	157.6	155.9
75°	128.5	125.6	124.3	123.0	122.6	122.6	121.4
77.5°	95.0	92.8	90.8	90.8	89.2	88.6	88.5
80°	72.0	71.2	69.6	69.6	68.7	69.1	68.3
82.5°	54.2	53.0	52.7	52.0	50.8	50.9	50.1
85°	29.1	27.8	27.4	26.1	25.3	26.1	25.3
87.5°	12.4	12.3	12.0	11.3	11.1	11.1	10.1
90°	11.7	12.4	12.8	13.0	13.2	13.4	13.5
92.5°	11.4	12.0	12.3	12.4	12.4	12.4	12.4
95°	11.7	12.4	12.7	12.8	12.9	13.0	13.1
97.5°	12.1	12.2	12.3	12.4	12.4	12.5	12.7
100°	14.7	13.1	12.3	12.4	12.4	12.5	12.7
102.5°	40.6	22.1	12.9	13.0	13.0	13.0	13.0
105°	143.7	144.6	143.2	139.7	136.0	132.4	128.8
107.5°	177.1	177.5	177.9	178.3	178.7	179.1	179.5
110°	199.9	200.1	200.3	200.7	200.9	201.2	201.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	222.0	221.9	222.0	222.4	222.8	223.2	223.6
115°	255.5	255.6	255.8	255.8	255.8	255.8	255.8
117.5°	288.8	288.7	288.7	288.6	288.6	288.5	288.5
120°	309.7	309.9	309.9	309.7	309.5	309.3	309.1
122.5°	330.0	330.2	330.1	329.9	329.7	329.5	329.3
125°	358.8	359.1	359.3	359.4	359.5	359.6	359.7
127.5°	386.8	386.7	386.7	386.6	386.5	386.4	386.3
130°	404.3	404.4	404.4	404.4	404.4	404.4	404.4
132.5°	421.3	421.4	421.4	421.3	421.2	421.1	421.0
135°	444.8	445.0	445.2	445.4	445.6	445.8	446.0
137.5°	467.3	467.5	467.5	467.5	467.5	467.4	467.3
140°	481.3	481.6	481.7	481.9	482.0	482.0	482.1
142.5°	494.0	494.2	494.4	494.4	494.4	494.4	494.5
145°	512.3	512.4	512.5	512.7	512.9	513.2	513.3
147.5°	528.4	528.5	528.5	528.7	528.8	528.9	528.9
150°	538.6	538.6	538.7	538.8	538.9	539.0	539.1
152.5°	547.8	548.0	548.0	548.0	547.9	547.8	547.8
155°	560.2	560.5	560.6	560.3	560.0	559.8	559.4
157.5°	570.8	571.2	571.2	570.8	570.2	569.7	569.2
160°	577.5	578.1	578.1	577.5	576.9	576.3	575.7
162.5°	582.9	583.5	583.5	582.8	582.1	581.5	580.7
165°	590.7	591.6	591.5	590.6	589.7	588.8	587.9
167.5°	596.4	597.3	597.2	596.3	595.2	594.2	593.3
170°	599.8	600.6	600.5	599.5	598.5	597.5	596.5
172.5°	602.0	602.8	602.6	601.6	600.5	599.4	598.3
175°	604.6	605.5	605.4	604.2	602.9	601.7	600.6
177.5°	605.4	606.0	605.9	604.9	604.0	602.9	602.0
180°	604.2	604.2	604.2	604.2	604.2	604.2	604.2

(END OF REPORT)