

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: P332591-927

Luminaire Tested: **S124DIP-S795D590U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332591-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
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-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4480.2 lumens
Efficiency: N/A
Efficacy: 111.2 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

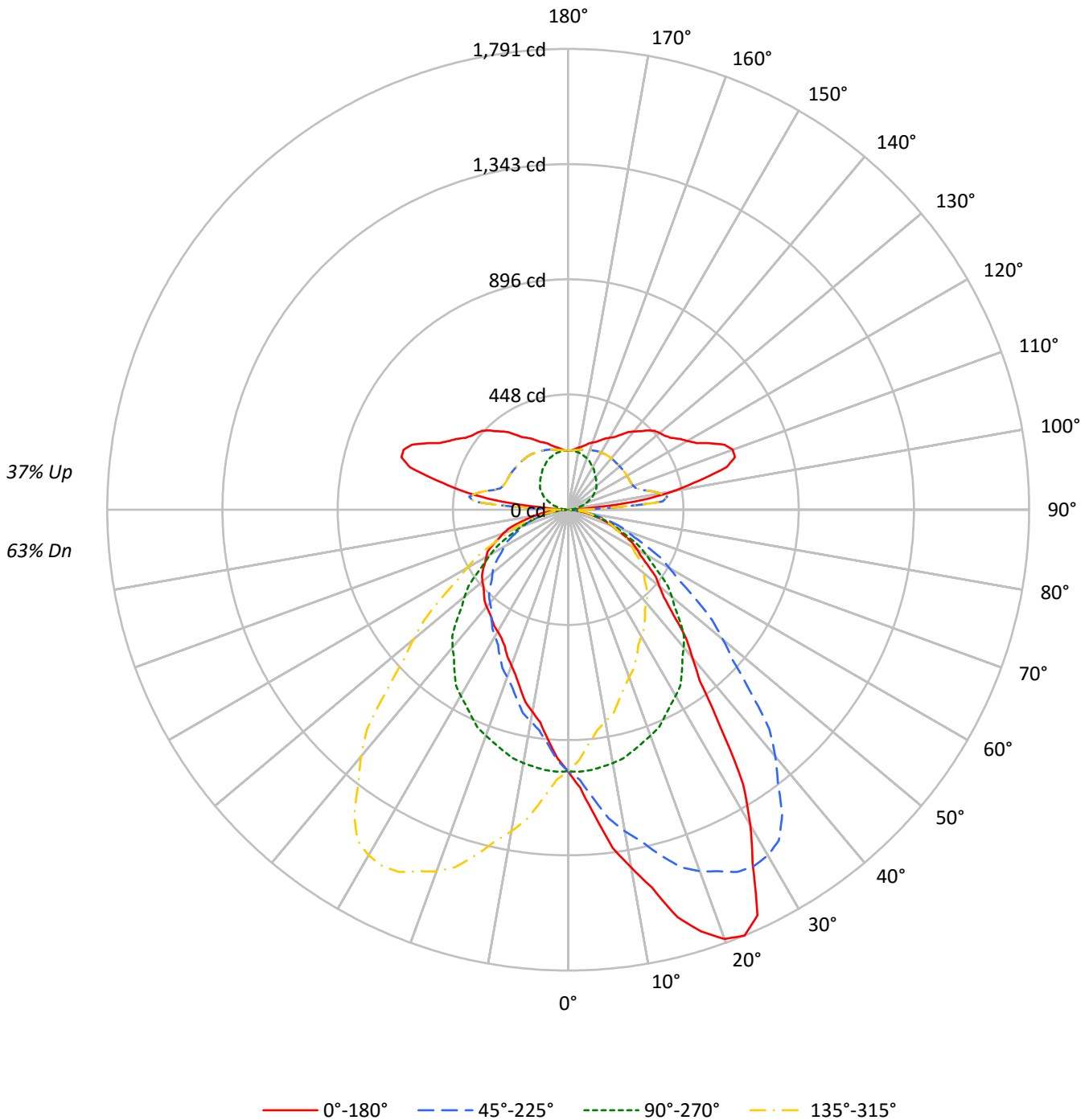
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	79	79	79	68	68	68	63
1	101	97	93	89	94	91	87	84	80	77	75	70	68	66	60	59	58	53
2	92	85	79	73	86	80	74	70	70	66	62	61	58	56	53	51	49	45
3	84	75	67	62	79	70	64	59	62	57	53	55	51	47	48	45	42	39
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	43	39	37	33
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32	29
6	66	53	45	39	61	51	43	38	45	39	35	40	35	31	35	31	28	26
7	61	48	40	35	57	46	39	33	41	35	31	36	32	28	32	28	25	23
8	56	44	36	31	53	42	35	30	37	32	27	33	29	25	30	26	23	20
9	53	40	33	28	49	38	31	27	34	29	25	31	26	23	27	23	21	19
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	25	22	19	17

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	2.2
10°-20°	305.4	6.8
20°-30°	484.3	10.8
30°-40°	539.0	12.0
40°-50°	490.6	11.0
50°-60°	400.9	8.9
60°-70°	286.2	6.4
70°-80°	157.6	3.5
80°-90°	44.3	1.0
90°-100°	166.1	3.7
100°-110°	345.8	7.7
110°-120°	309.7	6.9
120°-130°	260.5	5.8
130°-140°	217.2	4.8
140°-150°	166.0	3.7
150°-160°	116.6	2.6
160°-170°	68.6	1.5
170°-180°	22.3	0.5
0°-30°	888.8	19.8
0°-40°	1427.7	31.9
0°-60°	2319.2	51.8
0°-90°	2807.3	62.7
90°-120°	821.6	18.3
90°-150°	1465.3	32.7
90°-180°	1673.0	37.3
0°-180°	4480.2	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°	10	0	10	0	10	9
95°	110	15	110	15	110	171
105°	636	53	636	53	636	629
115°	610	93	610	93	610	606
125°	487	130	487	130	487	443
135°	436	154	436	154	436	336
145°	356	178	356	178	356	225
155°	298	202	298	202	298	139
165°	260	220	260	220	260	74
175°	234	230	234	230	234	23
180°	230	230	230	230	230	



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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°	9.3	10.3	10.4	10.7	11.2	11.6	11.8	11.4	12.7	13.1	14.3
90°	9.5	9.5	9.9	9.5	9.0	9.0	8.6	8.2	7.7	8.2	7.2
92.5°	34.8	34.8	36.4	38.7	44.1	53.2	66.8	88.7	119.4	143.3	125.5
95°	110.3	116.1	124.3	138.3	160.4	204.2	264.8	334.9	378.7	368.3	277.9
97.5°	294.7	304.1	317.7	344.9	377.3	424.5	468.7	494.7	475.8	387.9	260.2
100°	414.4	418.0	431.6	459.1	498.4	531.9	554.1	545.0	479.0	363.3	235.9
102.5°	518.5	521.4	535.7	555.6	579.8	593.7	587.3	542.5	451.9	332.6	219.6
105°	635.8	638.5	644.8	648.5	647.6	629.1	584.3	506.1	402.7	296.4	205.7
107.5°	679.4	678.2	673.7	663.4	641.0	600.8	537.7	454.6	362.9	276.2	203.1
110°	680.1	676.0	667.9	649.0	616.9	567.1	501.6	423.4	343.0	269.3	203.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	658.8	652.2	640.8	617.8	581.4	531.7	469.8	400.7	331.8	266.1	206.0
115°	610.5	606.9	592.5	565.3	529.7	486.2	433.4	377.8	321.3	264.4	210.2
117.5°	561.7	558.8	544.2	521.4	490.9	454.2	412.6	366.5	316.6	263.9	214.5
120°	534.2	529.2	517.5	497.6	471.7	439.7	403.5	361.6	314.1	263.9	217.9
122.5°	512.5	507.5	497.6	480.5	458.8	430.6	397.8	357.2	311.2	263.6	221.1
125°	487.1	484.4	475.9	462.7	444.7	419.8	388.6	349.7	306.4	263.0	225.9
127.5°	472.3	469.6	462.4	450.8	432.5	409.0	377.9	340.7	300.0	262.0	229.8
130°	463.7	461.0	453.7	442.4	423.9	399.9	369.2	333.5	296.0	261.7	232.7
132.5°	453.9	451.1	444.3	431.6	413.4	389.4	359.4	325.9	292.4	261.3	235.3
135°	435.6	432.9	425.7	413.0	395.0	372.3	344.8	315.4	286.9	260.7	239.1
137.5°	413.0	409.8	403.9	391.3	374.5	354.0	330.8	305.9	282.3	260.6	241.3
140°	396.8	393.2	386.8	376.9	361.1	342.1	321.8	300.5	279.7	260.3	243.1
142.5°	379.4	376.9	371.3	362.0	348.1	331.6	314.2	295.5	277.6	260.3	244.5
145°	355.6	353.4	348.9	341.2	329.9	317.3	303.6	288.3	273.9	259.4	245.4
147.5°	334.6	333.7	330.3	323.8	315.4	305.5	294.6	282.4	270.5	257.8	245.8
150°	322.7	322.2	319.5	313.6	306.4	298.3	289.2	278.8	268.0	256.7	245.8
152.5°	311.8	311.3	309.7	304.9	298.8	292.1	283.8	274.8	265.1	254.8	245.1
155°	297.8	297.8	296.4	292.9	288.3	282.9	276.1	268.9	260.7	252.2	244.0
157.5°	285.5	285.5	284.7	282.0	278.5	274.2	268.5	262.4	256.4	249.4	242.9
160°	277.9	277.9	277.5	274.7	272.0	268.4	263.5	258.5	253.1	247.2	241.8
162.5°	270.7	271.1	270.6	267.9	265.9	262.6	258.7	254.5	250.2	245.0	240.7
165°	259.8	260.3	260.7	259.0	257.1	254.8	251.7	249.0	245.4	241.8	238.6
167.5°	251.3	251.6	251.7	250.6	249.6	248.3	245.7	243.7	241.1	238.5	236.5
170°	245.8	245.8	246.3	245.8	244.9	243.6	241.8	240.4	238.1	236.3	235.0
172.5°	240.4	241.1	241.6	241.1	240.6	239.6	238.5	237.5	235.6	234.2	233.5
175°	234.1	235.0	235.9	235.0	235.0	235.0	234.1	233.6	232.7	231.8	231.8
177.5°	230.4	231.1	231.8	231.5	231.8	231.5	231.5	231.1	230.8	230.4	230.4
180°	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0



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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°	14.1	14.4	13.5	12.2	11.1	10.0	9.3	8.9	9.3	10.0	10.4
90°	6.3	6.3	3.6	3.6	3.2	2.7	1.3	0.5	1.3	2.7	3.2
92.5°	91.3	56.2	33.3	23.8	17.3	11.7	7.5	5.1	7.5	11.7	17.3
95°	169.9	95.8	56.5	37.5	26.7	20.8	16.2	14.9	16.2	20.8	26.7
97.5°	152.7	91.6	61.3	45.4	36.0	30.7	26.8	26.8	26.8	30.7	36.0
100°	143.7	92.6	66.0	51.5	42.9	37.5	34.4	34.4	34.4	37.5	42.9
102.5°	141.2	96.3	72.1	58.4	50.1	45.1	42.3	41.6	42.3	45.1	50.1
105°	142.4	104.8	83.2	70.0	61.9	56.5	54.3	52.8	54.3	56.5	61.9
107.5°	149.0	114.9	95.0	82.1	74.3	68.5	66.2	65.4	66.2	68.5	74.3
110°	154.1	122.5	102.6	90.4	82.2	76.8	74.5	73.7	74.5	76.8	82.2



TEST NUMBER: P332591-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	159.5	129.7	110.5	98.3	90.2	85.2	82.5	81.6	82.5	85.2	90.2
115°	168.1	141.0	122.9	110.7	102.1	97.6	94.4	93.1	94.4	97.6	102.1
117.5°	176.9	151.9	134.8	122.1	114.1	109.1	106.3	105.0	106.3	109.1	114.1
120°	183.0	159.5	142.4	129.7	122.0	117.0	113.9	113.0	113.9	117.0	122.0
122.5°	188.8	166.8	149.6	137.3	128.9	124.3	121.1	120.2	121.1	124.3	128.9
125°	197.5	176.7	160.4	147.7	139.2	134.2	131.5	129.7	131.5	134.2	139.2
127.5°	205.0	185.9	170.2	157.4	148.5	142.8	139.6	138.1	139.6	142.8	148.5
130°	209.7	192.0	176.7	163.6	155.0	148.2	144.6	142.8	144.6	148.2	155.0
132.5°	214.4	197.1	181.7	169.4	160.1	153.7	148.9	147.5	148.9	153.7	160.1
135°	220.5	204.2	189.3	177.6	168.1	160.4	155.9	154.1	155.9	160.4	168.1
137.5°	224.9	209.7	195.7	184.6	174.7	167.4	162.4	160.7	162.4	167.4	174.7
140°	227.8	213.3	199.7	188.9	179.4	171.7	166.8	165.4	166.8	171.7	179.4
142.5°	229.9	216.6	203.4	192.9	183.7	176.4	171.8	170.5	171.8	176.4	183.7
145°	232.3	220.1	208.3	198.4	189.8	183.5	179.0	177.6	179.0	183.5	189.8
147.5°	234.3	223.7	212.7	203.7	196.5	190.0	186.1	185.6	186.1	190.0	196.5
150°	235.4	225.5	215.6	207.0	200.2	194.8	191.2	190.7	191.2	194.8	200.2
152.5°	236.1	227.0	218.1	210.2	204.1	199.1	195.5	195.4	195.5	199.1	204.1
155°	236.8	229.1	221.4	214.7	209.7	205.2	202.5	202.0	202.5	205.2	209.7
157.5°	236.8	230.7	224.1	218.8	214.4	211.0	208.4	208.4	208.4	211.0	214.4
160°	236.8	231.4	225.9	220.9	217.4	214.2	212.4	212.4	212.4	214.2	217.4
162.5°	236.8	232.1	227.0	223.2	219.9	217.1	215.6	216.0	215.6	217.1	219.9
165°	235.9	232.3	228.2	225.5	223.2	220.9	220.1	220.1	220.1	220.9	223.2
167.5°	234.8	232.2	229.2	227.1	225.9	224.1	223.7	224.1	223.7	224.1	225.9
170°	234.1	231.8	229.6	228.2	227.3	225.9	225.5	225.9	225.5	225.9	227.3
172.5°	233.4	231.5	229.9	228.9	228.4	227.4	227.3	227.8	227.3	227.4	228.4
175°	232.3	230.9	230.0	230.0	229.6	229.1	229.1	229.6	229.1	229.1	229.6
177.5°	231.1	230.4	230.0	230.0	230.0	229.7	230.0	230.4	230.0	229.7	230.0
180°	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0



TEST NUMBER: P332591-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A4

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°	11.5	11.5	13.4	14.1	15.3	17.1	17.7	21.5	23.0	24.7	27.7
90°	3.6	3.6	6.3	6.3	7.2	8.2	7.7	8.2	8.6	9.0	9.0
92.5°	23.8	33.3	56.2	91.3	125.5	143.3	119.4	88.7	66.8	53.2	44.1
95°	37.5	56.5	95.8	169.9	277.9	368.3	378.7	334.9	264.8	204.2	160.4
97.5°	45.4	61.3	91.6	152.7	260.2	387.9	475.8	494.7	468.7	424.5	377.3
100°	51.5	66.0	92.6	143.7	235.9	363.3	479.0	545.0	554.1	531.9	498.4
102.5°	58.4	72.1	96.3	141.2	219.6	332.6	451.9	542.5	587.3	593.7	579.8
105°	70.0	83.2	104.8	142.4	205.7	296.4	402.7	506.1	584.3	629.1	647.6
107.5°	82.1	95.0	114.9	149.0	203.1	276.2	362.9	454.6	537.7	600.8	641.0
110°	90.4	102.6	122.5	154.1	203.8	269.3	343.0	423.4	501.6	567.1	616.9



TEST NUMBER: P332591-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	98.3	110.5	129.7	159.5	206.0	266.1	331.8	400.7	469.8	531.7	581.4
115°	110.7	122.9	141.0	168.1	210.2	264.4	321.3	377.8	433.4	486.2	529.7
117.5°	122.1	134.8	151.9	176.9	214.5	263.9	316.6	366.5	412.6	454.2	490.9
120°	129.7	142.4	159.5	183.0	217.9	263.9	314.1	361.6	403.5	439.7	471.7
122.5°	137.3	149.6	166.8	188.8	221.1	263.6	311.2	357.2	397.8	430.6	458.8
125°	147.7	160.4	176.7	197.5	225.9	263.0	306.4	349.7	388.6	419.8	444.7
127.5°	157.4	170.2	185.9	205.0	229.8	262.0	300.0	340.7	377.9	409.0	432.5
130°	163.6	176.7	192.0	209.7	232.7	261.7	296.0	333.5	369.2	399.9	423.9
132.5°	169.4	181.7	197.1	214.4	235.3	261.3	292.4	325.9	359.4	389.4	413.4
135°	177.6	189.3	204.2	220.5	239.1	260.7	286.9	315.4	344.8	372.3	395.0
137.5°	184.6	195.7	209.7	224.9	241.3	260.6	282.3	305.9	330.8	354.0	374.5
140°	188.9	199.7	213.3	227.8	243.1	260.3	279.7	300.5	321.8	342.1	361.1
142.5°	192.9	203.4	216.6	229.9	244.5	260.3	277.6	295.5	314.2	331.6	348.1
145°	198.4	208.3	220.1	232.3	245.4	259.4	273.9	288.3	303.6	317.3	329.9
147.5°	203.7	212.7	223.7	234.3	245.8	257.8	270.5	282.4	294.6	305.5	315.4
150°	207.0	215.6	225.5	235.4	245.8	256.7	268.0	278.8	289.2	298.3	306.4
152.5°	210.2	218.1	227.0	236.1	245.1	254.8	265.1	274.8	283.8	292.1	298.8
155°	214.7	221.4	229.1	236.8	244.0	252.2	260.7	268.9	276.1	282.9	288.3
157.5°	218.8	224.1	230.7	236.8	242.9	249.4	256.4	262.4	268.5	274.2	278.5
160°	220.9	225.9	231.4	236.8	241.8	247.2	253.1	258.5	263.5	268.4	272.0
162.5°	223.2	227.0	232.1	236.8	240.7	245.0	250.2	254.5	258.7	262.6	265.9
165°	225.5	228.2	232.3	235.9	238.6	241.8	245.4	249.0	251.7	254.8	257.1
167.5°	227.1	229.2	232.2	234.8	236.5	238.5	241.1	243.7	245.7	248.3	249.6
170°	228.2	229.6	231.8	234.1	235.0	236.3	238.1	240.4	241.8	243.6	244.9
172.5°	228.9	229.9	231.5	233.4	233.5	234.2	235.6	237.5	238.5	239.6	240.6
175°	230.0	230.0	230.9	232.3	231.8	231.8	232.7	233.6	234.1	235.0	235.0
177.5°	230.0	230.0	230.4	231.1	230.4	230.4	230.8	231.1	231.5	231.5	231.8
180°	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0



TEST NUMBER: P332591-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A4

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°	28.8	29.3	30.2	30.9	30.2	29.3	28.8	27.7	24.7	23.0	21.5
90°	9.5	9.9	9.5	9.5	9.5	9.9	9.5	9.0	9.0	8.6	8.2
92.5°	38.7	36.4	34.8	34.8	34.8	36.4	38.7	44.1	53.2	66.8	88.7
95°	138.3	124.3	116.1	110.3	116.1	124.3	138.3	160.4	204.2	264.8	334.9
97.5°	344.9	317.7	304.1	294.7	304.1	317.7	344.9	377.3	424.5	468.7	494.7
100°	459.1	431.6	418.0	414.4	418.0	431.6	459.1	498.4	531.9	554.1	545.0
102.5°	555.6	535.7	521.4	518.5	521.4	535.7	555.6	579.8	593.7	587.3	542.5
105°	648.5	644.8	638.5	635.8	638.5	644.8	648.5	647.6	629.1	584.3	506.1
107.5°	663.4	673.7	678.2	679.4	678.2	673.7	663.4	641.0	600.8	537.7	454.6
110°	649.0	667.9	676.0	680.1	676.0	667.9	649.0	616.9	567.1	501.6	423.4



TEST NUMBER: P332591-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	617.8	640.8	652.2	658.8	652.2	640.8	617.8	581.4	531.7	469.8	400.7
115°	565.3	592.5	606.9	610.5	606.9	592.5	565.3	529.7	486.2	433.4	377.8
117.5°	521.4	544.2	558.8	561.7	558.8	544.2	521.4	490.9	454.2	412.6	366.5
120°	497.6	517.5	529.2	534.2	529.2	517.5	497.6	471.7	439.7	403.5	361.6
122.5°	480.5	497.6	507.5	512.5	507.5	497.6	480.5	458.8	430.6	397.8	357.2
125°	462.7	475.9	484.4	487.1	484.4	475.9	462.7	444.7	419.8	388.6	349.7
127.5°	450.8	462.4	469.6	472.3	469.6	462.4	450.8	432.5	409.0	377.9	340.7
130°	442.4	453.7	461.0	463.7	461.0	453.7	442.4	423.9	399.9	369.2	333.5
132.5°	431.6	444.3	451.1	453.9	451.1	444.3	431.6	413.4	389.4	359.4	325.9
135°	413.0	425.7	432.9	435.6	432.9	425.7	413.0	395.0	372.3	344.8	315.4
137.5°	391.3	403.9	409.8	413.0	409.8	403.9	391.3	374.5	354.0	330.8	305.9
140°	376.9	386.8	393.2	396.8	393.2	386.8	376.9	361.1	342.1	321.8	300.5
142.5°	362.0	371.3	376.9	379.4	376.9	371.3	362.0	348.1	331.6	314.2	295.5
145°	341.2	348.9	353.4	355.6	353.4	348.9	341.2	329.9	317.3	303.6	288.3
147.5°	323.8	330.3	333.7	334.6	333.7	330.3	323.8	315.4	305.5	294.6	282.4
150°	313.6	319.5	322.2	322.7	322.2	319.5	313.6	306.4	298.3	289.2	278.8
152.5°	304.9	309.7	311.3	311.8	311.3	309.7	304.9	298.8	292.1	283.8	274.8
155°	292.9	296.4	297.8	297.8	297.8	296.4	292.9	288.3	282.9	276.1	268.9
157.5°	282.0	284.7	285.5	285.5	285.5	284.7	282.0	278.5	274.2	268.5	262.4
160°	274.7	277.5	277.9	277.9	277.9	277.5	274.7	272.0	268.4	263.5	258.5
162.5°	267.9	270.6	271.1	270.7	271.1	270.6	267.9	265.9	262.6	258.7	254.5
165°	259.0	260.7	260.3	259.8	260.3	260.7	259.0	257.1	254.8	251.7	249.0
167.5°	250.6	251.7	251.6	251.3	251.6	251.7	250.6	249.6	248.3	245.7	243.7
170°	245.8	246.3	245.8	245.8	245.8	246.3	245.8	244.9	243.6	241.8	240.4
172.5°	241.1	241.6	241.1	240.4	241.1	241.6	241.1	240.6	239.6	238.5	237.5
175°	235.0	235.9	235.0	234.1	235.0	235.9	235.0	235.0	235.0	234.1	233.6
177.5°	231.5	231.8	231.1	230.4	231.1	231.8	231.5	231.8	231.5	231.5	231.1
180°	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0



TEST NUMBER: P332591-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A4

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°	17.7	17.1	15.3	14.1	13.4	11.5	11.5	10.4	10.0	9.3	8.9
90°	7.7	8.2	7.2	6.3	6.3	3.6	3.6	3.2	2.7	1.3	0.5
92.5°	119.4	143.3	125.5	91.3	56.2	33.3	23.8	17.3	11.7	7.5	5.1
95°	378.7	368.3	277.9	169.9	95.8	56.5	37.5	26.7	20.8	16.2	14.9
97.5°	475.8	387.9	260.2	152.7	91.6	61.3	45.4	36.0	30.7	26.8	26.8
100°	479.0	363.3	235.9	143.7	92.6	66.0	51.5	42.9	37.5	34.4	34.4
102.5°	451.9	332.6	219.6	141.2	96.3	72.1	58.4	50.1	45.1	42.3	41.6
105°	402.7	296.4	205.7	142.4	104.8	83.2	70.0	61.9	56.5	54.3	52.8
107.5°	362.9	276.2	203.1	149.0	114.9	95.0	82.1	74.3	68.5	66.2	65.4
110°	343.0	269.3	203.8	154.1	122.5	102.6	90.4	82.2	76.8	74.5	73.7



TEST NUMBER: P332591-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	331.8	266.1	206.0	159.5	129.7	110.5	98.3	90.2	85.2	82.5	81.6
115°	321.3	264.4	210.2	168.1	141.0	122.9	110.7	102.1	97.6	94.4	93.1
117.5°	316.6	263.9	214.5	176.9	151.9	134.8	122.1	114.1	109.1	106.3	105.0
120°	314.1	263.9	217.9	183.0	159.5	142.4	129.7	122.0	117.0	113.9	113.0
122.5°	311.2	263.6	221.1	188.8	166.8	149.6	137.3	128.9	124.3	121.1	120.2
125°	306.4	263.0	225.9	197.5	176.7	160.4	147.7	139.2	134.2	131.5	129.7
127.5°	300.0	262.0	229.8	205.0	185.9	170.2	157.4	148.5	142.8	139.6	138.1
130°	296.0	261.7	232.7	209.7	192.0	176.7	163.6	155.0	148.2	144.6	142.8
132.5°	292.4	261.3	235.3	214.4	197.1	181.7	169.4	160.1	153.7	148.9	147.5
135°	286.9	260.7	239.1	220.5	204.2	189.3	177.6	168.1	160.4	155.9	154.1
137.5°	282.3	260.6	241.3	224.9	209.7	195.7	184.6	174.7	167.4	162.4	160.7
140°	279.7	260.3	243.1	227.8	213.3	199.7	188.9	179.4	171.7	166.8	165.4
142.5°	277.6	260.3	244.5	229.9	216.6	203.4	192.9	183.7	176.4	171.8	170.5
145°	273.9	259.4	245.4	232.3	220.1	208.3	198.4	189.8	183.5	179.0	177.6
147.5°	270.5	257.8	245.8	234.3	223.7	212.7	203.7	196.5	190.0	186.1	185.6
150°	268.0	256.7	245.8	235.4	225.5	215.6	207.0	200.2	194.8	191.2	190.7
152.5°	265.1	254.8	245.1	236.1	227.0	218.1	210.2	204.1	199.1	195.5	195.4
155°	260.7	252.2	244.0	236.8	229.1	221.4	214.7	209.7	205.2	202.5	202.0
157.5°	256.4	249.4	242.9	236.8	230.7	224.1	218.8	214.4	211.0	208.4	208.4
160°	253.1	247.2	241.8	236.8	231.4	225.9	220.9	217.4	214.2	212.4	212.4
162.5°	250.2	245.0	240.7	236.8	232.1	227.0	223.2	219.9	217.1	215.6	216.0
165°	245.4	241.8	238.6	235.9	232.3	228.2	225.5	223.2	220.9	220.1	220.1
167.5°	241.1	238.5	236.5	234.8	232.2	229.2	227.1	225.9	224.1	223.7	224.1
170°	238.1	236.3	235.0	234.1	231.8	229.6	228.2	227.3	225.9	225.5	225.9
172.5°	235.6	234.2	233.5	233.4	231.5	229.9	228.9	228.4	227.4	227.3	227.8
175°	232.7	231.8	231.8	232.3	230.9	230.0	230.0	229.6	229.1	229.1	229.6
177.5°	230.8	230.4	230.4	231.1	230.4	230.0	230.0	230.0	229.7	230.0	230.4
180°	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0



TEST NUMBER: P332591-927

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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°	9.3	10.0	11.1	12.2	13.5	14.4	14.1	14.3	13.1	12.7	11.4
90°	1.3	2.7	3.2	3.6	3.6	6.3	6.3	7.2	8.2	7.7	8.2
92.5°	7.5	11.7	17.3	23.8	33.3	56.2	91.3	125.5	143.3	119.4	88.7
95°	16.2	20.8	26.7	37.5	56.5	95.8	169.9	277.9	368.3	378.7	334.9
97.5°	26.8	30.7	36.0	45.4	61.3	91.6	152.7	260.2	387.9	475.8	494.7
100°	34.4	37.5	42.9	51.5	66.0	92.6	143.7	235.9	363.3	479.0	545.0
102.5°	42.3	45.1	50.1	58.4	72.1	96.3	141.2	219.6	332.6	451.9	542.5
105°	54.3	56.5	61.9	70.0	83.2	104.8	142.4	205.7	296.4	402.7	506.1
107.5°	66.2	68.5	74.3	82.1	95.0	114.9	149.0	203.1	276.2	362.9	454.6
110°	74.5	76.8	82.2	90.4	102.6	122.5	154.1	203.8	269.3	343.0	423.4



TEST NUMBER: P332591-927

CATALOG NUMBER: S124DIP-S795D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	82.5	85.2	90.2	98.3	110.5	129.7	159.5	206.0	266.1	331.8	400.7
115°	94.4	97.6	102.1	110.7	122.9	141.0	168.1	210.2	264.4	321.3	377.8
117.5°	106.3	109.1	114.1	122.1	134.8	151.9	176.9	214.5	263.9	316.6	366.5
120°	113.9	117.0	122.0	129.7	142.4	159.5	183.0	217.9	263.9	314.1	361.6
122.5°	121.1	124.3	128.9	137.3	149.6	166.8	188.8	221.1	263.6	311.2	357.2
125°	131.5	134.2	139.2	147.7	160.4	176.7	197.5	225.9	263.0	306.4	349.7
127.5°	139.6	142.8	148.5	157.4	170.2	185.9	205.0	229.8	262.0	300.0	340.7
130°	144.6	148.2	155.0	163.6	176.7	192.0	209.7	232.7	261.7	296.0	333.5
132.5°	148.9	153.7	160.1	169.4	181.7	197.1	214.4	235.3	261.3	292.4	325.9
135°	155.9	160.4	168.1	177.6	189.3	204.2	220.5	239.1	260.7	286.9	315.4
137.5°	162.4	167.4	174.7	184.6	195.7	209.7	224.9	241.3	260.6	282.3	305.9
140°	166.8	171.7	179.4	188.9	199.7	213.3	227.8	243.1	260.3	279.7	300.5
142.5°	171.8	176.4	183.7	192.9	203.4	216.6	229.9	244.5	260.3	277.6	295.5
145°	179.0	183.5	189.8	198.4	208.3	220.1	232.3	245.4	259.4	273.9	288.3
147.5°	186.1	190.0	196.5	203.7	212.7	223.7	234.3	245.8	257.8	270.5	282.4
150°	191.2	194.8	200.2	207.0	215.6	225.5	235.4	245.8	256.7	268.0	278.8
152.5°	195.5	199.1	204.1	210.2	218.1	227.0	236.1	245.1	254.8	265.1	274.8
155°	202.5	205.2	209.7	214.7	221.4	229.1	236.8	244.0	252.2	260.7	268.9
157.5°	208.4	211.0	214.4	218.8	224.1	230.7	236.8	242.9	249.4	256.4	262.4
160°	212.4	214.2	217.4	220.9	225.9	231.4	236.8	241.8	247.2	253.1	258.5
162.5°	215.6	217.1	219.9	223.2	227.0	232.1	236.8	240.7	245.0	250.2	254.5
165°	220.1	220.9	223.2	225.5	228.2	232.3	235.9	238.6	241.8	245.4	249.0
167.5°	223.7	224.1	225.9	227.1	229.2	232.2	234.8	236.5	238.5	241.1	243.7
170°	225.5	225.9	227.3	228.2	229.6	231.8	234.1	235.0	236.3	238.1	240.4
172.5°	227.3	227.4	228.4	228.9	229.9	231.5	233.4	233.5	234.2	235.6	237.5
175°	229.1	229.1	229.6	230.0	230.0	230.9	232.3	231.8	231.8	232.7	233.6
177.5°	230.0	229.7	230.0	230.0	230.0	230.4	231.1	230.4	230.4	230.8	231.1
180°	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0



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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°	11.8	11.6	11.2	10.7	10.4	10.3	9.3
90°	8.6	9.0	9.0	9.5	9.9	9.5	9.5
92.5°	66.8	53.2	44.1	38.7	36.4	34.8	34.8
95°	264.8	204.2	160.4	138.3	124.3	116.1	110.3
97.5°	468.7	424.5	377.3	344.9	317.7	304.1	294.7
100°	554.1	531.9	498.4	459.1	431.6	418.0	414.4
102.5°	587.3	593.7	579.8	555.6	535.7	521.4	518.5
105°	584.3	629.1	647.6	648.5	644.8	638.5	635.8
107.5°	537.7	600.8	641.0	663.4	673.7	678.2	679.4
110°	501.6	567.1	616.9	649.0	667.9	676.0	680.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	469.8	531.7	581.4	617.8	640.8	652.2	658.8
115°	433.4	486.2	529.7	565.3	592.5	606.9	610.5
117.5°	412.6	454.2	490.9	521.4	544.2	558.8	561.7
120°	403.5	439.7	471.7	497.6	517.5	529.2	534.2
122.5°	397.8	430.6	458.8	480.5	497.6	507.5	512.5
125°	388.6	419.8	444.7	462.7	475.9	484.4	487.1
127.5°	377.9	409.0	432.5	450.8	462.4	469.6	472.3
130°	369.2	399.9	423.9	442.4	453.7	461.0	463.7
132.5°	359.4	389.4	413.4	431.6	444.3	451.1	453.9
135°	344.8	372.3	395.0	413.0	425.7	432.9	435.6
137.5°	330.8	354.0	374.5	391.3	403.9	409.8	413.0
140°	321.8	342.1	361.1	376.9	386.8	393.2	396.8
142.5°	314.2	331.6	348.1	362.0	371.3	376.9	379.4
145°	303.6	317.3	329.9	341.2	348.9	353.4	355.6
147.5°	294.6	305.5	315.4	323.8	330.3	333.7	334.6
150°	289.2	298.3	306.4	313.6	319.5	322.2	322.7
152.5°	283.8	292.1	298.8	304.9	309.7	311.3	311.8
155°	276.1	282.9	288.3	292.9	296.4	297.8	297.8
157.5°	268.5	274.2	278.5	282.0	284.7	285.5	285.5
160°	263.5	268.4	272.0	274.7	277.5	277.9	277.9
162.5°	258.7	262.6	265.9	267.9	270.6	271.1	270.7
165°	251.7	254.8	257.1	259.0	260.7	260.3	259.8
167.5°	245.7	248.3	249.6	250.6	251.7	251.6	251.3
170°	241.8	243.6	244.9	245.8	246.3	245.8	245.8
172.5°	238.5	239.6	240.6	241.1	241.6	241.1	240.4
175°	234.1	235.0	235.0	235.0	235.9	235.0	234.1
177.5°	231.5	231.5	231.8	231.5	231.8	231.1	230.4
180°	230.0	230.0	230.0	230.0	230.0	230.0	230.0

(END OF REPORT)