

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: P332600-927

Luminaire Tested: **S124DIP-S795D810U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332600-927
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-S795D810U927-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5100.8 lumens
Efficiency: N/A
Efficacy: 111.1 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: General Diffuse

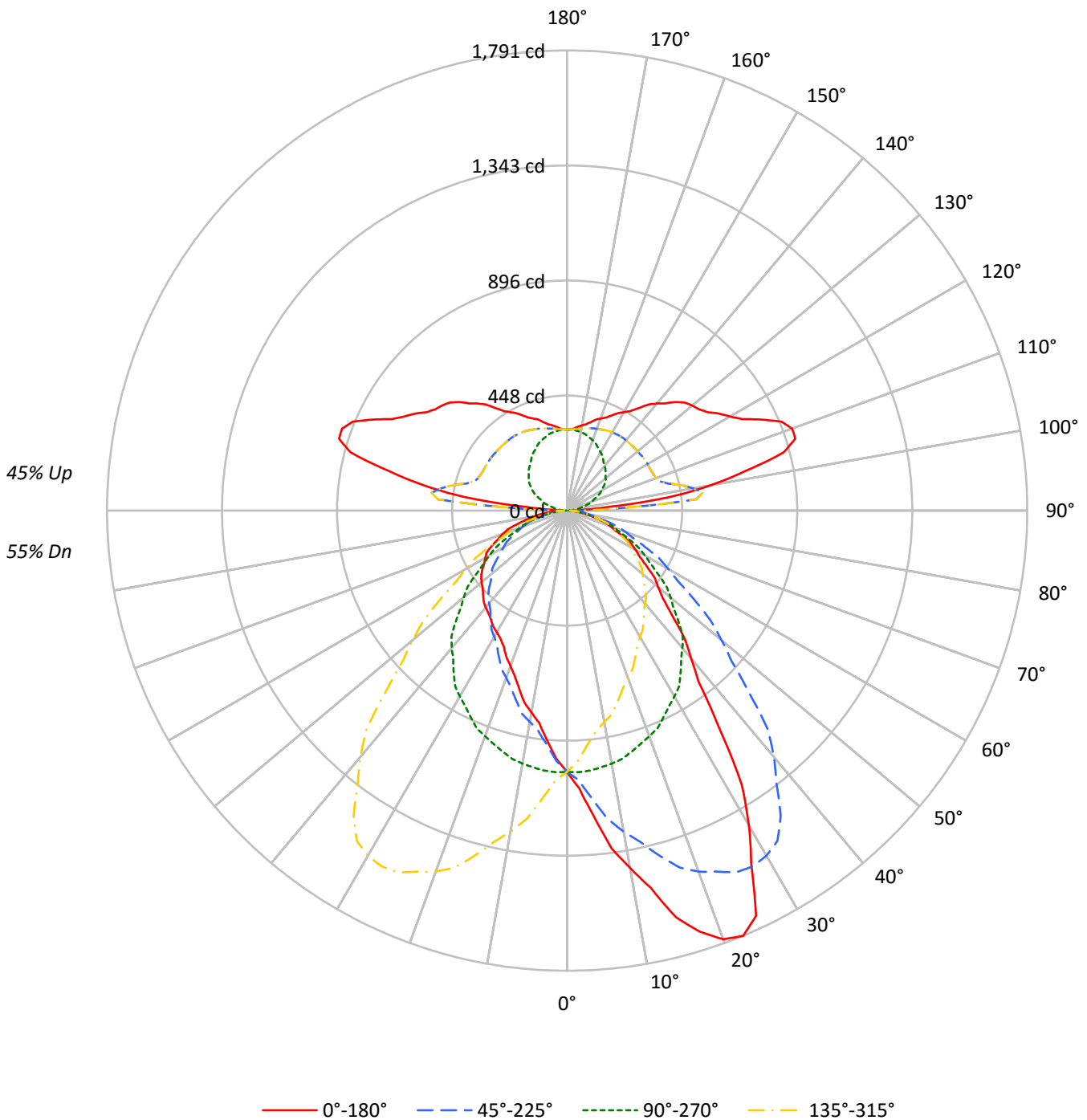
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	88	92	88	85	82	76	73	71	65	63	61	54	53	52	47
2	90	83	77	72	84	77	72	68	67	63	59	57	54	52	48	46	44	40
3	83	73	66	60	77	68	62	57	59	54	50	51	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	65	54	47	42	47	42	37	41	36	33	35	31	29	26
6	64	52	44	38	60	49	42	36	43	37	33	37	32	29	31	28	25	23
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	35	30	51	40	33	29	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15

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	1.9
10°-20°	305.4	6.0
20°-30°	484.3	9.5
30°-40°	539.0	10.6
40°-50°	490.6	9.6
50°-60°	400.9	7.9
60°-70°	286.2	5.6
70°-80°	157.6	3.1
80°-90°	44.8	0.9
90°-100°	227.7	4.5
100°-110°	474.0	9.3
110°-120°	424.5	8.3
120°-130°	357.1	7.0
130°-140°	297.7	5.8
140°-150°	227.5	4.5
150°-160°	159.9	3.1
160°-170°	94.0	1.8
170°-180°	30.6	0.6
0°-30°	888.8	17.4
0°-40°	1427.7	28.0
0°-60°	2319.2	45.5
0°-90°	2807.8	55.0
90°-120°	1126.2	22.1
90°-150°	2008.5	39.4
90°-180°	2293.0	45.0
0°-180°	5100.8	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°	13	1	13	1	13	11
95°	151	20	151	20	151	235
105°	872	72	872	72	872	862
115°	837	128	837	128	837	831
125°	668	178	668	178	668	607
135°	597	211	597	211	597	461
145°	488	243	488	243	488	309
155°	408	277	408	277	408	190
165°	356	302	356	302	356	102
175°	321	315	321	315	321	31
180°	315	315	315	315	315	



TEST NUMBER: P332600-927

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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°	10.0	11.0	11.2	11.3	11.9	12.3	12.4	12.0	13.2	13.7	14.8
90°	13.0	13.0	13.6	13.0	12.4	12.4	11.8	11.2	10.5	11.2	9.9
92.5°	47.7	47.7	49.8	53.2	60.4	72.9	91.6	121.7	163.7	196.5	172.0
95°	151.1	159.2	170.3	189.6	219.9	280.0	363.0	459.0	519.1	504.9	381.0
97.5°	404.0	416.8	435.5	472.8	517.2	581.9	642.5	678.1	652.1	531.7	356.6
100°	568.0	573.0	591.5	629.3	683.3	729.0	759.4	747.0	656.6	498.0	323.4
102.5°	710.7	714.7	734.3	761.7	794.7	813.8	805.0	743.5	619.4	455.9	301.0
105°	871.6	875.3	883.9	888.9	887.6	862.2	800.9	693.8	551.9	406.3	281.9
107.5°	931.2	929.6	923.4	909.3	878.7	823.5	737.1	623.1	497.4	378.6	278.4
110°	932.2	926.7	915.5	889.5	845.5	777.4	687.5	580.4	470.2	369.2	279.3



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	903.0	894.0	878.4	846.8	796.9	728.8	644.0	549.2	454.8	364.7	282.3
115°	836.9	831.9	812.1	774.9	726.0	666.5	594.1	517.8	440.4	362.3	288.0
117.5°	769.8	766.0	745.9	714.7	673.0	622.5	565.5	502.5	434.0	361.7	294.1
120°	732.1	725.3	709.2	682.0	646.7	602.7	553.2	495.5	430.5	361.7	298.6
122.5°	702.4	695.6	682.0	658.7	628.8	590.3	545.2	489.6	426.5	361.2	303.0
125°	667.7	664.0	652.3	634.3	609.5	575.4	532.7	479.4	419.9	360.5	309.7
127.5°	647.5	643.7	633.8	617.8	592.9	560.5	517.9	467.1	411.1	359.2	315.1
130°	635.6	631.8	621.9	606.4	581.0	548.2	506.0	457.2	405.8	358.6	319.0
132.5°	622.2	618.5	609.0	591.5	566.6	533.9	492.7	446.7	400.8	358.1	322.5
135°	597.1	593.4	583.5	566.2	541.4	510.4	472.6	432.4	393.3	357.4	327.6
137.5°	566.2	561.7	553.5	536.4	513.3	485.3	453.4	419.4	386.9	357.3	330.7
140°	543.8	538.9	530.2	516.6	495.0	468.9	441.0	411.9	383.4	356.8	333.3
142.5°	520.1	516.6	508.9	496.3	477.1	454.6	430.6	405.0	380.5	356.8	335.3
145°	487.5	484.4	478.2	467.7	452.2	434.8	416.3	395.2	375.3	355.5	336.4
147.5°	458.6	457.5	452.8	443.8	432.4	418.7	403.9	387.1	370.8	353.3	337.0
150°	442.3	441.6	437.9	429.9	419.9	408.8	396.4	382.1	367.3	351.8	337.0
152.5°	427.4	426.7	424.5	418.0	409.6	400.4	389.0	376.8	363.4	349.4	336.0
155°	408.2	408.2	406.3	401.4	395.2	387.8	378.5	368.5	357.4	345.6	334.5
157.5°	391.3	391.3	390.2	386.5	381.8	375.9	368.0	359.7	351.3	341.8	332.9
160°	381.0	381.0	380.3	376.6	372.9	368.0	361.2	354.3	346.9	338.8	331.4
162.5°	371.1	371.5	370.9	367.2	364.5	360.0	354.7	348.9	342.9	335.9	329.9
165°	356.2	356.8	357.4	354.9	352.4	349.4	345.0	341.3	336.4	331.4	327.1
167.5°	344.4	344.9	345.0	343.4	342.1	340.3	336.8	334.0	330.4	326.9	324.1
170°	337.0	337.0	337.5	337.0	335.7	333.9	331.4	329.5	326.5	323.9	322.1
172.5°	329.5	330.5	331.1	330.5	329.8	328.4	326.9	325.6	323.0	321.0	320.1
175°	320.8	322.1	323.4	322.1	322.1	322.1	320.8	320.3	319.0	317.7	317.7
177.5°	315.8	316.8	317.7	317.3	317.7	317.3	317.3	316.8	316.2	315.8	315.8
180°	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-UDD-A4

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°	14.6	14.9	13.8	12.4	11.3	10.2	9.5	8.9	9.5	10.2	10.6
90°	8.6	8.6	5.0	5.0	4.4	3.7	1.8	0.6	1.8	3.7	4.4
92.5°	125.1	77.1	45.6	32.7	23.7	16.1	10.3	7.1	10.3	16.1	23.7
95°	232.9	131.3	77.4	51.4	36.5	28.5	22.3	20.4	22.3	28.5	36.5
97.5°	209.4	125.5	84.0	62.2	49.4	42.0	36.7	36.7	36.7	42.0	49.4
100°	197.0	127.0	90.5	70.6	58.9	51.4	47.1	47.1	47.1	51.4	58.9
102.5°	193.5	131.9	98.9	80.0	68.8	61.8	58.0	57.0	58.0	61.8	68.8
105°	195.1	143.7	114.0	96.0	84.8	77.4	74.3	72.5	74.3	77.4	84.8
107.5°	204.3	157.5	130.2	112.5	101.8	93.9	90.8	89.6	90.8	93.9	101.8
110°	211.2	167.9	140.6	123.9	112.7	105.3	102.2	101.0	102.2	105.3	112.7



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	218.6	177.8	151.5	134.8	123.7	116.7	113.1	111.9	113.1	116.7	123.7
115°	230.4	193.3	168.5	151.8	140.0	133.8	129.4	127.6	129.4	133.8	140.0
117.5°	242.4	208.3	184.7	167.4	156.4	149.6	145.7	143.9	145.7	149.6	156.4
120°	250.9	218.6	195.1	177.8	167.2	160.4	156.1	154.9	156.1	160.4	167.2
122.5°	258.8	228.5	205.0	188.1	176.7	170.3	166.0	164.8	166.0	170.3	176.7
125°	270.7	242.2	219.9	202.6	190.8	183.9	180.2	177.8	180.2	183.9	190.8
127.5°	281.0	254.8	233.3	215.8	203.5	195.7	191.3	189.3	191.3	195.7	203.5
130°	287.4	263.2	242.2	224.3	212.5	203.2	198.2	195.7	198.2	203.2	212.5
132.5°	293.8	270.2	249.1	232.2	219.4	210.6	204.1	202.2	204.1	210.6	219.4
135°	302.3	280.0	259.5	243.4	230.4	219.9	213.7	211.2	213.7	219.9	230.4
137.5°	308.2	287.4	268.3	252.9	239.5	229.4	222.6	220.3	222.6	229.4	239.5
140°	312.2	292.4	273.8	258.9	245.9	235.4	228.5	226.7	228.5	235.4	245.9
142.5°	315.1	296.8	278.8	264.4	251.8	241.9	235.5	233.6	235.5	241.9	251.8
145°	318.4	301.7	285.6	272.0	260.2	251.5	245.3	243.4	245.3	251.5	260.2
147.5°	321.2	306.7	291.5	279.2	269.4	260.5	255.1	254.4	255.1	260.5	269.4
150°	322.7	309.1	295.5	283.7	274.4	267.0	262.1	261.4	262.1	267.0	274.4
152.5°	323.7	311.1	299.0	288.2	279.9	272.9	268.0	267.8	268.0	272.9	279.9
155°	324.6	314.0	303.5	294.2	287.4	281.2	277.5	276.9	277.5	281.2	287.4
157.5°	324.6	316.2	307.2	299.9	294.0	289.1	285.7	285.7	285.7	289.1	294.0
160°	324.6	317.1	309.7	302.9	297.9	293.6	291.1	291.1	291.1	293.6	297.9
162.5°	324.6	318.1	311.2	305.9	301.4	297.5	295.6	296.1	295.6	297.5	301.4
165°	323.4	318.4	312.8	309.1	306.0	302.9	301.7	301.7	301.7	302.9	306.0
167.5°	321.9	318.3	314.2	311.3	309.6	307.2	306.7	307.2	306.7	307.2	309.6
170°	320.8	317.7	314.7	312.8	311.6	309.7	309.1	309.7	309.1	309.7	311.6
172.5°	319.9	317.3	315.1	313.8	313.1	311.7	311.6	312.2	311.6	311.7	313.1
175°	318.4	316.6	315.3	315.3	314.7	314.0	314.0	314.7	314.0	314.0	314.7
177.5°	316.8	315.8	315.3	315.3	315.3	314.8	315.3	315.8	315.3	314.8	315.3
180°	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-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°	11.8	11.8	13.9	14.6	15.8	17.7	18.3	22.1	23.6	25.4	28.4
90°	5.0	5.0	8.6	8.6	9.9	11.2	10.5	11.2	11.8	12.4	12.4
92.5°	32.7	45.6	77.1	125.1	172.0	196.5	163.7	121.7	91.6	72.9	60.4
95°	51.4	77.4	131.3	232.9	381.0	504.9	519.1	459.0	363.0	280.0	219.9
97.5°	62.2	84.0	125.5	209.4	356.6	531.7	652.1	678.1	642.5	581.9	517.2
100°	70.6	90.5	127.0	197.0	323.4	498.0	656.6	747.0	759.4	729.0	683.3
102.5°	80.0	98.9	131.9	193.5	301.0	455.9	619.4	743.5	805.0	813.8	794.7
105°	96.0	114.0	143.7	195.1	281.9	406.3	551.9	693.8	800.9	862.2	887.6
107.5°	112.5	130.2	157.5	204.3	278.4	378.6	497.4	623.1	737.1	823.5	878.7
110°	123.9	140.6	167.9	211.2	279.3	369.2	470.2	580.4	687.5	777.4	845.5



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	134.8	151.5	177.8	218.6	282.3	364.7	454.8	549.2	644.0	728.8	796.9
115°	151.8	168.5	193.3	230.4	288.0	362.3	440.4	517.8	594.1	666.5	726.0
117.5°	167.4	184.7	208.3	242.4	294.1	361.7	434.0	502.5	565.5	622.5	673.0
120°	177.8	195.1	218.6	250.9	298.6	361.7	430.5	495.5	553.2	602.7	646.7
122.5°	188.1	205.0	228.5	258.8	303.0	361.2	426.5	489.6	545.2	590.3	628.8
125°	202.6	219.9	242.2	270.7	309.7	360.5	419.9	479.4	532.7	575.4	609.5
127.5°	215.8	233.3	254.8	281.0	315.1	359.2	411.1	467.1	517.9	560.5	592.9
130°	224.3	242.2	263.2	287.4	319.0	358.6	405.8	457.2	506.0	548.2	581.0
132.5°	232.2	249.1	270.2	293.8	322.5	358.1	400.8	446.7	492.7	533.9	566.6
135°	243.4	259.5	280.0	302.3	327.6	357.4	393.3	432.4	472.6	510.4	541.4
137.5°	252.9	268.3	287.4	308.2	330.7	357.3	386.9	419.4	453.4	485.3	513.3
140°	258.9	273.8	292.4	312.2	333.3	356.8	383.4	411.9	441.0	468.9	495.0
142.5°	264.4	278.8	296.8	315.1	335.3	356.8	380.5	405.0	430.6	454.6	477.1
145°	272.0	285.6	301.7	318.4	336.4	355.5	375.3	395.2	416.3	434.8	452.2
147.5°	279.2	291.5	306.7	321.2	337.0	353.3	370.8	387.1	403.9	418.7	432.4
150°	283.7	295.5	309.1	322.7	337.0	351.8	367.3	382.1	396.4	408.8	419.9
152.5°	288.2	299.0	311.1	323.7	336.0	349.4	363.4	376.8	389.0	400.4	409.6
155°	294.2	303.5	314.0	324.6	334.5	345.6	357.4	368.5	378.5	387.8	395.2
157.5°	299.9	307.2	316.2	324.6	332.9	341.8	351.3	359.7	368.0	375.9	381.8
160°	302.9	309.7	317.1	324.6	331.4	338.8	346.9	354.3	361.2	368.0	372.9
162.5°	305.9	311.2	318.1	324.6	329.9	335.9	342.9	348.9	354.7	360.0	364.5
165°	309.1	312.8	318.4	323.4	327.1	331.4	336.4	341.3	345.0	349.4	352.4
167.5°	311.3	314.2	318.3	321.9	324.1	326.9	330.4	334.0	336.8	340.3	342.1
170°	312.8	314.7	317.7	320.8	322.1	323.9	326.5	329.5	331.4	333.9	335.7
172.5°	313.8	315.1	317.3	319.9	320.1	321.0	323.0	325.6	326.9	328.4	329.8
175°	315.3	315.3	316.6	318.4	317.7	317.7	319.0	320.3	320.8	322.1	322.1
177.5°	315.3	315.3	315.8	316.8	315.8	315.8	316.2	316.8	317.3	317.3	317.7
180°	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-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°	29.5	30.0	30.9	31.6	30.9	30.0	29.5	28.4	25.4	23.6	22.1
90°	13.0	13.6	13.0	13.0	13.0	13.6	13.0	12.4	12.4	11.8	11.2
92.5°	53.2	49.8	47.7	47.7	47.7	49.8	53.2	60.4	72.9	91.6	121.7
95°	189.6	170.3	159.2	151.1	159.2	170.3	189.6	219.9	280.0	363.0	459.0
97.5°	472.8	435.5	416.8	404.0	416.8	435.5	472.8	517.2	581.9	642.5	678.1
100°	629.3	591.5	573.0	568.0	573.0	591.5	629.3	683.3	729.0	759.4	747.0
102.5°	761.7	734.3	714.7	710.7	714.7	734.3	761.7	794.7	813.8	805.0	743.5
105°	888.9	883.9	875.3	871.6	875.3	883.9	888.9	887.6	862.2	800.9	693.8
107.5°	909.3	923.4	929.6	931.2	929.6	923.4	909.3	878.7	823.5	737.1	623.1
110°	889.5	915.5	926.7	932.2	926.7	915.5	889.5	845.5	777.4	687.5	580.4



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	846.8	878.4	894.0	903.0	894.0	878.4	846.8	796.9	728.8	644.0	549.2
115°	774.9	812.1	831.9	836.9	831.9	812.1	774.9	726.0	666.5	594.1	517.8
117.5°	714.7	745.9	766.0	769.8	766.0	745.9	714.7	673.0	622.5	565.5	502.5
120°	682.0	709.2	725.3	732.1	725.3	709.2	682.0	646.7	602.7	553.2	495.5
122.5°	658.7	682.0	695.6	702.4	695.6	682.0	658.7	628.8	590.3	545.2	489.6
125°	634.3	652.3	664.0	667.7	664.0	652.3	634.3	609.5	575.4	532.7	479.4
127.5°	617.8	633.8	643.7	647.5	643.7	633.8	617.8	592.9	560.5	517.9	467.1
130°	606.4	621.9	631.8	635.6	631.8	621.9	606.4	581.0	548.2	506.0	457.2
132.5°	591.5	609.0	618.5	622.2	618.5	609.0	591.5	566.6	533.9	492.7	446.7
135°	566.2	583.5	593.4	597.1	593.4	583.5	566.2	541.4	510.4	472.6	432.4
137.5°	536.4	553.5	561.7	566.2	561.7	553.5	536.4	513.3	485.3	453.4	419.4
140°	516.6	530.2	538.9	543.8	538.9	530.2	516.6	495.0	468.9	441.0	411.9
142.5°	496.3	508.9	516.6	520.1	516.6	508.9	496.3	477.1	454.6	430.6	405.0
145°	467.7	478.2	484.4	487.5	484.4	478.2	467.7	452.2	434.8	416.3	395.2
147.5°	443.8	452.8	457.5	458.6	457.5	452.8	443.8	432.4	418.7	403.9	387.1
150°	429.9	437.9	441.6	442.3	441.6	437.9	429.9	419.9	408.8	396.4	382.1
152.5°	418.0	424.5	426.7	427.4	426.7	424.5	418.0	409.6	400.4	389.0	376.8
155°	401.4	406.3	408.2	408.2	408.2	406.3	401.4	395.2	387.8	378.5	368.5
157.5°	386.5	390.2	391.3	391.3	391.3	390.2	386.5	381.8	375.9	368.0	359.7
160°	376.6	380.3	381.0	381.0	381.0	380.3	376.6	372.9	368.0	361.2	354.3
162.5°	367.2	370.9	371.5	371.1	371.5	370.9	367.2	364.5	360.0	354.7	348.9
165°	354.9	357.4	356.8	356.2	356.8	357.4	354.9	352.4	349.4	345.0	341.3
167.5°	343.4	345.0	344.9	344.4	344.9	345.0	343.4	342.1	340.3	336.8	334.0
170°	337.0	337.5	337.0	337.0	337.0	337.5	337.0	335.7	333.9	331.4	329.5
172.5°	330.5	331.1	330.5	329.5	330.5	331.1	330.5	329.8	328.4	326.9	325.6
175°	322.1	323.4	322.1	320.8	322.1	323.4	322.1	322.1	322.1	320.8	320.3
177.5°	317.3	317.7	316.8	315.8	316.8	317.7	317.3	317.7	317.3	317.3	316.8
180°	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-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°	18.3	17.7	15.8	14.6	13.9	11.8	11.8	10.6	10.2	9.5	8.9
90°	10.5	11.2	9.9	8.6	8.6	5.0	5.0	4.4	3.7	1.8	0.6
92.5°	163.7	196.5	172.0	125.1	77.1	45.6	32.7	23.7	16.1	10.3	7.1
95°	519.1	504.9	381.0	232.9	131.3	77.4	51.4	36.5	28.5	22.3	20.4
97.5°	652.1	531.7	356.6	209.4	125.5	84.0	62.2	49.4	42.0	36.7	36.7
100°	656.6	498.0	323.4	197.0	127.0	90.5	70.6	58.9	51.4	47.1	47.1
102.5°	619.4	455.9	301.0	193.5	131.9	98.9	80.0	68.8	61.8	58.0	57.0
105°	551.9	406.3	281.9	195.1	143.7	114.0	96.0	84.8	77.4	74.3	72.5
107.5°	497.4	378.6	278.4	204.3	157.5	130.2	112.5	101.8	93.9	90.8	89.6
110°	470.2	369.2	279.3	211.2	167.9	140.6	123.9	112.7	105.3	102.2	101.0



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	454.8	364.7	282.3	218.6	177.8	151.5	134.8	123.7	116.7	113.1	111.9
115°	440.4	362.3	288.0	230.4	193.3	168.5	151.8	140.0	133.8	129.4	127.6
117.5°	434.0	361.7	294.1	242.4	208.3	184.7	167.4	156.4	149.6	145.7	143.9
120°	430.5	361.7	298.6	250.9	218.6	195.1	177.8	167.2	160.4	156.1	154.9
122.5°	426.5	361.2	303.0	258.8	228.5	205.0	188.1	176.7	170.3	166.0	164.8
125°	419.9	360.5	309.7	270.7	242.2	219.9	202.6	190.8	183.9	180.2	177.8
127.5°	411.1	359.2	315.1	281.0	254.8	233.3	215.8	203.5	195.7	191.3	189.3
130°	405.8	358.6	319.0	287.4	263.2	242.2	224.3	212.5	203.2	198.2	195.7
132.5°	400.8	358.1	322.5	293.8	270.2	249.1	232.2	219.4	210.6	204.1	202.2
135°	393.3	357.4	327.6	302.3	280.0	259.5	243.4	230.4	219.9	213.7	211.2
137.5°	386.9	357.3	330.7	308.2	287.4	268.3	252.9	239.5	229.4	222.6	220.3
140°	383.4	356.8	333.3	312.2	292.4	273.8	258.9	245.9	235.4	228.5	226.7
142.5°	380.5	356.8	335.3	315.1	296.8	278.8	264.4	251.8	241.9	235.5	233.6
145°	375.3	355.5	336.4	318.4	301.7	285.6	272.0	260.2	251.5	245.3	243.4
147.5°	370.8	353.3	337.0	321.2	306.7	291.5	279.2	269.4	260.5	255.1	254.4
150°	367.3	351.8	337.0	322.7	309.1	295.5	283.7	274.4	267.0	262.1	261.4
152.5°	363.4	349.4	336.0	323.7	311.1	299.0	288.2	279.9	272.9	268.0	267.8
155°	357.4	345.6	334.5	324.6	314.0	303.5	294.2	287.4	281.2	277.5	276.9
157.5°	351.3	341.8	332.9	324.6	316.2	307.2	299.9	294.0	289.1	285.7	285.7
160°	346.9	338.8	331.4	324.6	317.1	309.7	302.9	297.9	293.6	291.1	291.1
162.5°	342.9	335.9	329.9	324.6	318.1	311.2	305.9	301.4	297.5	295.6	296.1
165°	336.4	331.4	327.1	323.4	318.4	312.8	309.1	306.0	302.9	301.7	301.7
167.5°	330.4	326.9	324.1	321.9	318.3	314.2	311.3	309.6	307.2	306.7	307.2
170°	326.5	323.9	322.1	320.8	317.7	314.7	312.8	311.6	309.7	309.1	309.7
172.5°	323.0	321.0	320.1	319.9	317.3	315.1	313.8	313.1	311.7	311.6	312.2
175°	319.0	317.7	317.7	318.4	316.6	315.3	315.3	314.7	314.0	314.0	314.7
177.5°	316.2	315.8	315.8	316.8	315.8	315.3	315.3	315.3	314.8	315.3	315.8
180°	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-UDD-A4

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°	9.5	10.2	11.3	12.4	13.8	14.9	14.6	14.8	13.7	13.2	12.0
90°	1.8	3.7	4.4	5.0	5.0	8.6	8.6	9.9	11.2	10.5	11.2
92.5°	10.3	16.1	23.7	32.7	45.6	77.1	125.1	172.0	196.5	163.7	121.7
95°	22.3	28.5	36.5	51.4	77.4	131.3	232.9	381.0	504.9	519.1	459.0
97.5°	36.7	42.0	49.4	62.2	84.0	125.5	209.4	356.6	531.7	652.1	678.1
100°	47.1	51.4	58.9	70.6	90.5	127.0	197.0	323.4	498.0	656.6	747.0
102.5°	58.0	61.8	68.8	80.0	98.9	131.9	193.5	301.0	455.9	619.4	743.5
105°	74.3	77.4	84.8	96.0	114.0	143.7	195.1	281.9	406.3	551.9	693.8
107.5°	90.8	93.9	101.8	112.5	130.2	157.5	204.3	278.4	378.6	497.4	623.1
110°	102.2	105.3	112.7	123.9	140.6	167.9	211.2	279.3	369.2	470.2	580.4



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	113.1	116.7	123.7	134.8	151.5	177.8	218.6	282.3	364.7	454.8	549.2
115°	129.4	133.8	140.0	151.8	168.5	193.3	230.4	288.0	362.3	440.4	517.8
117.5°	145.7	149.6	156.4	167.4	184.7	208.3	242.4	294.1	361.7	434.0	502.5
120°	156.1	160.4	167.2	177.8	195.1	218.6	250.9	298.6	361.7	430.5	495.5
122.5°	166.0	170.3	176.7	188.1	205.0	228.5	258.8	303.0	361.2	426.5	489.6
125°	180.2	183.9	190.8	202.6	219.9	242.2	270.7	309.7	360.5	419.9	479.4
127.5°	191.3	195.7	203.5	215.8	233.3	254.8	281.0	315.1	359.2	411.1	467.1
130°	198.2	203.2	212.5	224.3	242.2	263.2	287.4	319.0	358.6	405.8	457.2
132.5°	204.1	210.6	219.4	232.2	249.1	270.2	293.8	322.5	358.1	400.8	446.7
135°	213.7	219.9	230.4	243.4	259.5	280.0	302.3	327.6	357.4	393.3	432.4
137.5°	222.6	229.4	239.5	252.9	268.3	287.4	308.2	330.7	357.3	386.9	419.4
140°	228.5	235.4	245.9	258.9	273.8	292.4	312.2	333.3	356.8	383.4	411.9
142.5°	235.5	241.9	251.8	264.4	278.8	296.8	315.1	335.3	356.8	380.5	405.0
145°	245.3	251.5	260.2	272.0	285.6	301.7	318.4	336.4	355.5	375.3	395.2
147.5°	255.1	260.5	269.4	279.2	291.5	306.7	321.2	337.0	353.3	370.8	387.1
150°	262.1	267.0	274.4	283.7	295.5	309.1	322.7	337.0	351.8	367.3	382.1
152.5°	268.0	272.9	279.9	288.2	299.0	311.1	323.7	336.0	349.4	363.4	376.8
155°	277.5	281.2	287.4	294.2	303.5	314.0	324.6	334.5	345.6	357.4	368.5
157.5°	285.7	289.1	294.0	299.9	307.2	316.2	324.6	332.9	341.8	351.3	359.7
160°	291.1	293.6	297.9	302.9	309.7	317.1	324.6	331.4	338.8	346.9	354.3
162.5°	295.6	297.5	301.4	305.9	311.2	318.1	324.6	329.9	335.9	342.9	348.9
165°	301.7	302.9	306.0	309.1	312.8	318.4	323.4	327.1	331.4	336.4	341.3
167.5°	306.7	307.2	309.6	311.3	314.2	318.3	321.9	324.1	326.9	330.4	334.0
170°	309.1	309.7	311.6	312.8	314.7	317.7	320.8	322.1	323.9	326.5	329.5
172.5°	311.6	311.7	313.1	313.8	315.1	317.3	319.9	320.1	321.0	323.0	325.6
175°	314.0	314.0	314.7	315.3	315.3	316.6	318.4	317.7	317.7	319.0	320.3
177.5°	315.3	314.8	315.3	315.3	315.3	315.8	316.8	315.8	315.8	316.2	316.8
180°	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-UDD-A4

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	11.9	11.3	11.2	11.0	10.0
90°	11.8	12.4	12.4	13.0	13.6	13.0	13.0
92.5°	91.6	72.9	60.4	53.2	49.8	47.7	47.7
95°	363.0	280.0	219.9	189.6	170.3	159.2	151.1
97.5°	642.5	581.9	517.2	472.8	435.5	416.8	404.0
100°	759.4	729.0	683.3	629.3	591.5	573.0	568.0
102.5°	805.0	813.8	794.7	761.7	734.3	714.7	710.7
105°	800.9	862.2	887.6	888.9	883.9	875.3	871.6
107.5°	737.1	823.5	878.7	909.3	923.4	929.6	931.2
110°	687.5	777.4	845.5	889.5	915.5	926.7	932.2



TEST NUMBER: P332600-927

CATALOG NUMBER: S124DIP-S795D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	644.0	728.8	796.9	846.8	878.4	894.0	903.0
115°	594.1	666.5	726.0	774.9	812.1	831.9	836.9
117.5°	565.5	622.5	673.0	714.7	745.9	766.0	769.8
120°	553.2	602.7	646.7	682.0	709.2	725.3	732.1
122.5°	545.2	590.3	628.8	658.7	682.0	695.6	702.4
125°	532.7	575.4	609.5	634.3	652.3	664.0	667.7
127.5°	517.9	560.5	592.9	617.8	633.8	643.7	647.5
130°	506.0	548.2	581.0	606.4	621.9	631.8	635.6
132.5°	492.7	533.9	566.6	591.5	609.0	618.5	622.2
135°	472.6	510.4	541.4	566.2	583.5	593.4	597.1
137.5°	453.4	485.3	513.3	536.4	553.5	561.7	566.2
140°	441.0	468.9	495.0	516.6	530.2	538.9	543.8
142.5°	430.6	454.6	477.1	496.3	508.9	516.6	520.1
145°	416.3	434.8	452.2	467.7	478.2	484.4	487.5
147.5°	403.9	418.7	432.4	443.8	452.8	457.5	458.6
150°	396.4	408.8	419.9	429.9	437.9	441.6	442.3
152.5°	389.0	400.4	409.6	418.0	424.5	426.7	427.4
155°	378.5	387.8	395.2	401.4	406.3	408.2	408.2
157.5°	368.0	375.9	381.8	386.5	390.2	391.3	391.3
160°	361.2	368.0	372.9	376.6	380.3	381.0	381.0
162.5°	354.7	360.0	364.5	367.2	370.9	371.5	371.1
165°	345.0	349.4	352.4	354.9	357.4	356.8	356.2
167.5°	336.8	340.3	342.1	343.4	345.0	344.9	344.4
170°	331.4	333.9	335.7	337.0	337.5	337.0	337.0
172.5°	326.9	328.4	329.8	330.5	331.1	330.5	329.5
175°	320.8	322.1	322.1	322.1	323.4	322.1	320.8
177.5°	317.3	317.3	317.7	317.3	317.7	316.8	315.8
180°	315.3	315.3	315.3	315.3	315.3	315.3	315.3

(END OF REPORT)