

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: P333198

Luminaire Tested: **S125DIP-S610D1205U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333198
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S610D1205U835-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6850.7 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

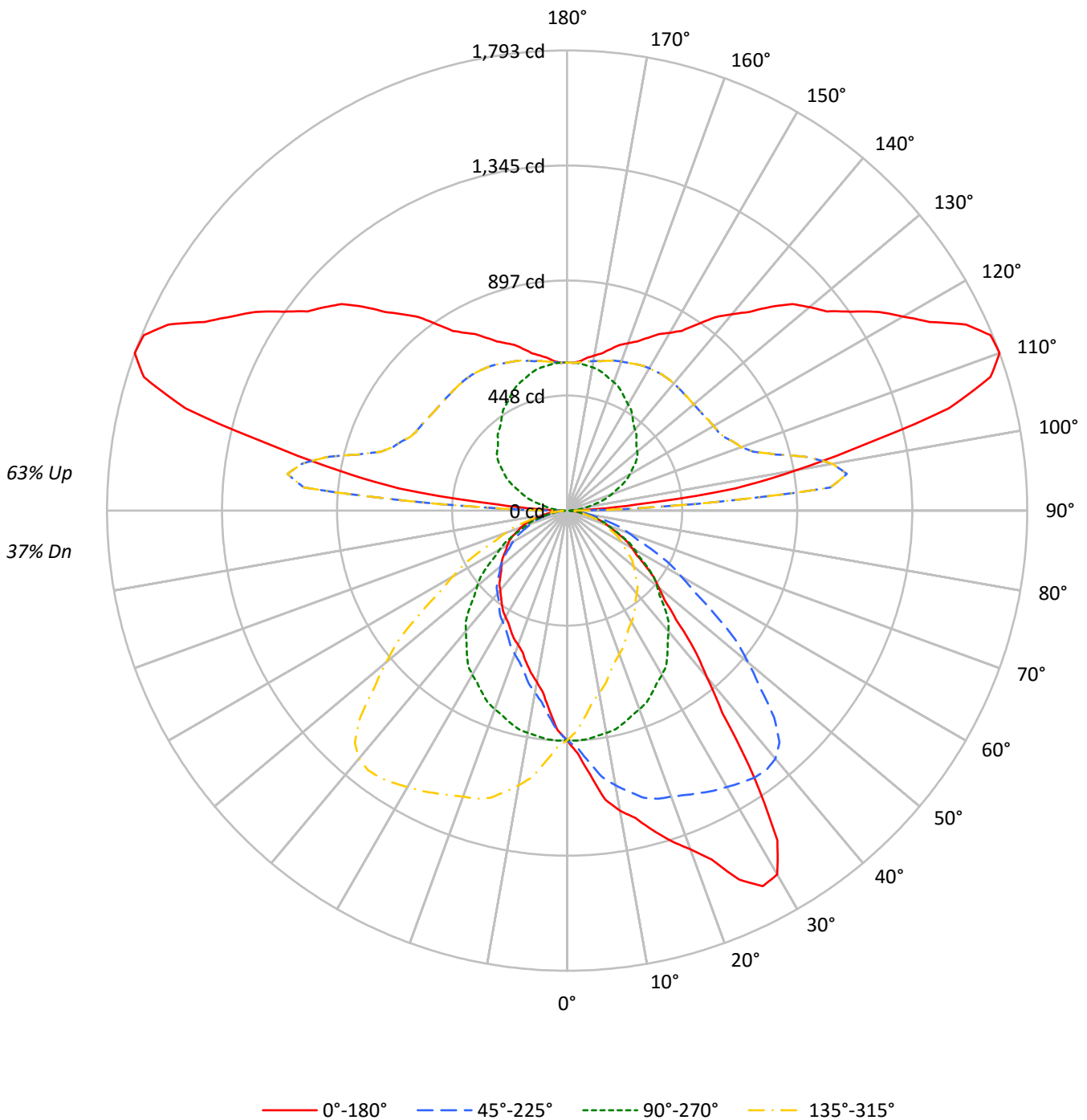
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37
1	95	91	87	84	86	82	79	76	67	65	63	52	51	50	39	38	38	31
2	87	79	74	69	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	63	57	71	64	58	53	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	50	45	46	41	37	37	33	30	28	25	24	20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	21	17
6	61	49	41	36	55	45	38	33	37	32	28	30	26	23	23	20	18	15
7	56	44	37	31	51	41	34	29	34	28	25	27	23	20	21	18	16	13
8	52	40	33	28	47	37	30	26	31	25	22	25	21	18	19	16	14	12
9	49	37	29	24	44	34	27	23	28	23	19	23	19	16	17	15	13	11
10	45	34	26	22	41	31	25	20	26	21	17	21	17	15	16	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5780	5780	5780	5780
5°	6694	5800	5078	5800
10°	7788	5770	4450	5770
15°	8620	5727	4105	5727
20°	9649	5660	3827	5660
25°	11305	5585	3693	5585
30°	12210	5510	3575	5510
35°	10039	5370	3498	5370
40°	7136	5176	3414	5176
45°	5482	4913	3366	4913
50°	4679	4588	3359	4588
55°	4166	4269	3388	4269
60°	3759	3920	3475	3920
65°	3472	3570	3564	3570
70°	3155	3206	3616	3206
75°	2787	2825	3583	2825
80°	2347	2302	3277	2302
85°	1860	1660	2645	1660



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.3
10°-20°	256.5	3.7
20°-30°	416.6	6.1
30°-40°	508.1	7.4
40°-50°	462.2	6.7
50°-60°	368.2	5.4
60°-70°	256.4	3.7
70°-80°	136.8	2.0
80°-90°	37.7	0.6
90°-100°	417.8	6.1
100°-110°	898.0	13.1
110°-120°	842.8	12.3
120°-130°	683.0	10.0
130°-140°	548.1	8.0
140°-150°	413.6	6.0
150°-160°	291.2	4.3
160°-170°	171.6	2.5
170°-180°	55.8	0.8
0°-30°	759.2	11.1
0°-40°	1267.4	18.5
0°-60°	2097.8	30.6
0°-90°	2528.7	36.9
90°-120°	2158.6	31.5
90°-150°	3803.4	55.5
90°-180°	4322.0	63.1
0°-180°	6850.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	1032	895	783	895	1032	104
15°	1289	857	614	857	1289	369
25°	1586	784	518	784	1586	725
35°	1273	681	444	681	1273	779
45°	600	538	368	538	600	480
55°	370	379	301	379	370	333
65°	227	234	233	234	227	225
75°	112	113	144	113	112	120
85°	25	22	36	22	25	30
90°	27	1	27	1	27	19
95°	273	38	273	38	273	387
105°	1540	131	1540	131	1540	1530
115°	1715	235	1715	235	1715	1676
125°	1351	325	1351	325	1351	1223
135°	1122	381	1122	381	1122	870
145°	885	444	885	444	885	563
155°	742	507	742	507	742	346
165°	651	553	651	553	651	186
175°	584	575	584	575	584	57
180°	576	576	576	576	576	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	946.7	945.4	944.2	941.8	943.6	938.4	936.0	931.8	926.6	924.8	922.6
5°	1032.5	1034.4	1036.3	1028.3	1029.1	1023.8	1011.6	1001.7	993.8	983.5	976.3
7.5°	1135.8	1131.3	1131.0	1125.8	1116.9	1109.8	1097.0	1080.7	1065.0	1047.1	1032.3
10°	1187.5	1187.9	1184.5	1178.4	1168.9	1162.0	1145.3	1129.4	1110.0	1087.2	1070.9
12.5°	1226.4	1228.0	1223.7	1215.5	1210.8	1195.5	1182.4	1163.4	1140.4	1122.2	1097.3
15°	1289.3	1285.1	1282.1	1271.8	1263.8	1247.9	1227.0	1207.2	1182.2	1159.0	1135.8
17.5°	1349.9	1353.3	1347.6	1338.2	1313.5	1294.8	1266.8	1239.8	1208.5	1177.5	1149.8
20°	1404.0	1407.1	1398.3	1382.0	1352.4	1333.7	1296.9	1261.9	1225.9	1186.0	1155.6
22.5°	1471.5	1469.1	1457.3	1432.4	1406.8	1372.3	1332.5	1289.9	1244.7	1199.6	1159.2
25°	1586.4	1570.4	1563.2	1532.4	1498.6	1448.1	1393.4	1331.1	1274.9	1215.2	1163.6
27.5°	1650.0	1645.0	1637.0	1615.5	1580.0	1526.0	1461.5	1385.6	1306.2	1231.0	1163.3
30°	1637.3	1638.0	1638.8	1631.9	1609.2	1568.5	1504.3	1422.6	1328.4	1243.7	1165.5
32.5°	1524.2	1538.0	1551.3	1566.9	1573.3	1565.5	1525.3	1451.5	1354.6	1258.3	1164.2
35°	1273.3	1277.5	1320.5	1363.0	1420.7	1465.6	1495.6	1462.9	1381.2	1270.7	1162.8
37.5°	992.8	1013.4	1043.1	1091.2	1174.5	1249.1	1345.1	1389.2	1362.8	1274.7	1160.1
40°	846.4	865.4	884.7	933.7	1004.0	1094.4	1203.4	1296.5	1318.2	1261.9	1151.0
42.5°	733.3	748.4	769.9	806.7	865.4	945.5	1049.7	1171.3	1246.1	1224.9	1131.9
45°	600.2	609.7	626.4	655.7	698.2	760.9	852.8	985.8	1101.6	1140.0	1086.4
47.5°	513.7	513.7	526.7	546.9	577.6	630.8	698.8	803.0	926.7	1018.3	1014.0
50°	465.7	463.8	474.1	491.6	515.9	551.2	616.2	699.4	818.3	922.0	950.8
52.5°	424.4	424.6	430.9	443.8	464.2	494.4	542.9	617.9	719.5	825.9	880.3
55°	370.0	368.5	375.7	384.4	399.3	419.0	454.0	511.3	593.7	698.6	769.2
57.5°	320.2	324.3	327.2	333.3	345.6	358.8	388.3	430.4	495.8	585.8	660.5
60°	291.0	295.2	297.4	303.5	313.4	324.8	347.6	381.8	436.9	514.4	588.4
62.5°	264.8	268.1	268.9	274.3	282.4	293.5	311.4	340.1	383.7	451.4	524.0
65°	227.2	227.2	228.7	234.4	238.2	248.1	261.7	282.6	317.6	370.4	432.3
67.5°	190.8	192.7	192.3	194.8	198.3	206.0	215.8	233.0	258.9	297.4	347.0
70°	167.1	168.7	168.3	170.2	174.0	178.9	186.9	203.2	221.8	254.9	297.4
72.5°	145.9	146.5	145.5	148.0	150.3	154.6	163.5	172.2	189.6	217.5	252.5
75°	111.7	112.4	113.2	114.7	117.0	119.3	123.8	132.6	144.0	164.9	187.3
77.5°	83.7	82.3	84.1	83.9	85.2	86.9	90.9	95.6	104.9	118.1	135.5
80°	63.1	63.4	63.4	63.8	65.7	66.9	70.3	73.7	80.9	90.8	102.9
82.5°	46.0	47.0	46.4	47.1	48.7	49.5	51.4	54.2	58.4	66.2	75.0
85°	25.1	23.2	23.9	24.7	24.7	25.1	26.6	27.7	30.0	33.0	36.5
87.5°	12.6	13.2	13.3	13.3	13.6	13.2	14.1	13.9	14.6	15.3	16.0
90°	26.7	26.7	25.6	25.6	25.6	23.2	22.1	20.9	19.8	18.6	16.3
92.5°	74.1	76.0	77.6	80.4	95.3	112.5	149.4	205.9	303.3	374.6	380.7
95°	273.1	291.7	300.9	335.8	418.3	515.9	658.8	835.4	1007.4	1029.5	840.1
97.5°	660.0	674.9	708.6	773.6	845.4	981.2	1120.4	1244.2	1274.7	1099.4	750.2
100°	906.3	924.9	967.9	1051.6	1131.7	1252.6	1372.3	1429.2	1339.7	1049.2	669.3
102.5°	1181.5	1195.4	1242.1	1301.6	1387.4	1469.2	1526.6	1491.5	1300.7	960.9	607.9
105°	1539.6	1553.5	1576.8	1615.1	1652.3	1665.1	1614.0	1454.8	1175.9	842.4	548.4
107.5°	1729.7	1739.0	1746.7	1746.9	1728.1	1667.4	1536.1	1323.7	1048.6	760.8	523.3
110°	1792.9	1792.9	1784.8	1762.7	1710.4	1611.6	1447.8	1227.0	976.0	722.7	515.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1785.5	1777.1	1756.9	1719.0	1642.5	1526.1	1360.4	1150.8	922.1	700.4	515.9
115°	1715.0	1699.9	1667.4	1611.6	1521.0	1394.3	1235.2	1055.1	863.3	676.3	519.4
117.5°	1591.6	1582.4	1550.1	1492.4	1401.8	1285.6	1148.5	993.2	828.2	664.4	527.1
120°	1511.7	1502.4	1471.0	1415.3	1329.3	1227.0	1099.2	959.8	808.7	658.8	534.5
122.5°	1441.1	1432.7	1401.3	1350.2	1273.5	1177.8	1063.9	934.7	792.0	654.2	541.0
125°	1351.4	1339.7	1314.2	1266.5	1201.5	1117.8	1016.7	898.2	769.2	648.4	551.9
127.5°	1274.7	1269.6	1245.4	1203.3	1144.3	1066.0	971.6	861.0	748.3	645.6	564.2
130°	1232.8	1225.9	1202.6	1164.3	1106.2	1030.7	940.0	837.8	734.4	643.7	571.7
132.5°	1191.0	1183.1	1161.7	1123.4	1065.3	992.5	910.3	814.5	723.2	643.7	580.0
135°	1122.5	1115.5	1094.6	1056.2	1005.1	938.9	864.5	784.3	710.0	643.7	591.4
137.5°	1049.2	1041.6	1022.3	987.4	941.7	885.4	823.6	758.8	698.1	645.1	601.9
140°	998.1	992.3	974.9	944.7	901.7	852.9	799.4	744.8	692.5	646.0	606.5
142.5°	950.7	945.8	929.3	903.8	867.3	825.0	779.0	732.7	687.9	647.0	609.3
145°	885.4	880.8	868.0	848.2	820.3	789.0	752.9	716.9	680.9	646.0	612.4
147.5°	830.1	828.0	820.6	804.8	782.7	759.0	731.3	702.1	673.7	643.0	613.5
150°	799.4	798.3	793.6	779.7	762.2	741.3	719.3	693.7	668.1	640.2	613.5
152.5°	775.3	774.1	769.4	758.3	743.7	727.4	707.2	684.4	661.6	636.5	612.6
155°	742.5	741.3	737.8	729.7	718.1	705.3	689.0	670.4	650.7	629.8	610.0
157.5°	713.2	713.4	710.2	703.4	694.4	684.4	671.8	656.5	640.5	622.8	607.0
160°	693.7	694.9	692.5	686.7	678.6	670.4	658.8	647.2	632.1	618.2	604.2
162.5°	676.0	676.3	675.8	670.9	664.6	657.4	647.7	637.0	624.7	612.6	601.4
165°	650.7	650.7	650.7	648.4	643.7	637.9	630.9	622.8	613.5	604.2	597.2
167.5°	627.5	627.7	628.6	626.5	624.2	620.0	614.7	609.3	602.6	596.1	590.7
170°	613.5	614.7	614.7	613.5	611.2	608.9	605.4	601.9	596.1	591.4	588.0
172.5°	600.5	601.7	603.5	601.4	601.0	599.6	597.0	593.5	589.6	585.9	584.2
175°	584.5	585.6	588.0	586.8	586.8	586.8	584.5	584.5	581.0	579.8	579.8
177.5°	576.3	576.3	579.1	578.2	579.1	579.1	579.1	578.2	577.3	576.3	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	920.8	918.7	916.3	912.0	906.8	904.1	899.9	897.1	891.6	887.1	882.2
5°	967.5	957.7	948.6	936.8	923.9	915.5	905.6	894.6	883.2	871.4	858.5
7.5°	1015.9	998.5	979.5	959.0	939.1	920.7	903.1	885.9	869.8	850.3	833.8
10°	1048.5	1026.4	1002.9	975.1	948.2	924.6	900.7	879.8	858.5	835.7	815.6
12.5°	1081.0	1051.6	1018.4	987.9	955.5	927.1	898.9	872.2	845.5	820.2	796.8
15°	1103.9	1078.1	1047.3	1004.0	967.5	928.4	891.2	856.6	824.3	796.2	766.6
17.5°	1119.0	1085.8	1052.7	1011.2	963.4	919.6	877.4	837.9	801.5	765.8	737.3
20°	1121.8	1087.6	1053.0	1012.4	963.4	913.2	871.1	823.6	784.4	747.6	712.6
22.5°	1120.9	1082.1	1044.5	1002.6	954.9	908.7	857.7	809.3	766.8	730.6	694.1
25°	1112.3	1070.9	1023.8	981.6	934.5	885.5	833.8	783.7	740.4	699.0	662.9
27.5°	1105.1	1051.4	998.1	948.9	903.4	858.5	809.1	757.7	709.7	667.7	633.7
30°	1096.3	1037.4	977.4	926.1	879.4	835.7	789.0	738.9	688.7	647.7	611.2
32.5°	1088.4	1019.8	956.5	900.6	851.2	808.7	765.6	717.9	668.7	627.0	590.6
35°	1073.2	993.8	921.2	858.1	805.3	761.7	725.6	681.1	635.9	595.6	560.7
37.5°	1053.8	959.6	881.7	815.6	757.7	711.7	678.1	644.0	600.6	561.8	530.2
40°	1038.6	935.3	852.8	785.2	725.2	677.3	646.2	613.9	577.8	541.7	508.3
42.5°	1019.4	913.4	823.6	750.9	691.5	644.8	612.1	584.7	552.9	519.2	488.2
45°	984.3	873.7	776.5	698.2	638.2	592.2	558.4	537.9	514.0	482.1	455.9
47.5°	932.5	826.1	725.5	644.7	582.8	540.2	508.5	488.8	472.0	448.3	424.5
50°	886.6	790.5	688.7	608.6	546.6	503.7	474.5	456.6	442.2	423.9	403.8
52.5°	835.3	745.8	652.6	573.3	512.0	469.7	441.0	425.3	413.3	400.2	380.4
55°	753.7	677.7	591.1	515.9	459.3	417.9	392.8	379.1	369.2	359.4	347.2
57.5°	663.8	604.4	527.6	458.9	406.8	369.1	345.7	332.4	324.7	319.6	312.5
60°	600.6	549.7	483.6	420.9	370.0	336.6	313.8	303.5	297.1	292.9	287.6
62.5°	541.9	500.1	438.9	381.7	337.2	305.6	285.2	275.3	269.1	267.1	262.6
65°	455.5	423.2	372.7	325.2	287.2	260.2	243.1	233.6	229.8	227.5	227.9
67.5°	370.3	350.6	310.1	269.6	239.2	216.6	202.9	195.6	193.7	190.7	190.6
70°	318.3	303.5	269.3	234.0	207.0	189.6	177.4	169.8	167.9	166.4	166.0
72.5°	272.4	259.5	229.8	201.5	177.3	161.9	151.9	147.3	144.2	143.3	143.2
75°	204.8	197.5	174.0	151.6	134.9	124.2	117.4	113.2	110.9	110.5	110.9
77.5°	145.6	139.3	124.3	108.4	97.9	89.8	84.0	82.6	80.0	80.1	79.7
80°	109.4	105.2	95.7	83.2	74.5	67.6	64.6	61.9	61.2	60.0	61.2
82.5°	79.3	74.8	68.4	60.4	53.2	49.1	46.0	45.2	44.7	44.2	44.4
85°	39.1	39.5	35.7	29.6	26.6	24.3	22.4	22.4	22.0	21.7	22.0
87.5°	16.4	15.3	13.9	12.5	10.5	9.1	8.4	8.4	7.8	7.9	8.7
90°	15.1	12.8	11.6	9.3	7.0	4.6	2.3	1.2	2.3	4.6	7.0
92.5°	265.2	158.7	95.3	61.4	41.4	27.0	17.2	14.2	17.2	27.0	41.4
95°	519.4	263.8	139.4	87.1	61.6	48.8	39.5	38.3	39.5	48.8	61.6
97.5°	414.6	227.3	145.0	107.4	84.4	71.6	65.1	63.7	65.1	71.6	84.4
100°	376.5	225.4	158.0	123.2	101.1	88.3	83.7	81.3	83.7	88.3	101.1
102.5°	360.7	233.8	173.8	139.9	119.7	106.0	102.3	100.9	102.3	106.0	119.7
105°	354.4	251.0	199.9	167.3	148.7	137.1	131.3	131.3	131.3	137.1	148.7
107.5°	365.1	276.5	227.0	197.8	178.5	168.9	163.4	161.0	163.4	168.9	178.5
110°	375.3	295.1	247.5	217.3	199.9	189.4	184.8	182.4	184.8	189.4	199.9



TEST NUMBER: P333198

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	388.3	312.8	267.0	237.7	220.3	209.8	206.1	203.8	206.1	209.8	220.3
115°	407.8	340.5	297.5	268.4	251.0	240.5	237.0	234.7	237.0	240.5	251.0
117.5°	430.2	368.8	328.1	300.0	280.3	269.8	266.1	262.6	266.1	269.8	280.3
120°	445.0	389.3	348.6	319.5	299.8	289.3	284.7	281.2	284.7	289.3	299.8
122.5°	461.8	408.8	368.1	339.1	317.4	307.0	303.3	300.7	303.3	307.0	317.4
125°	484.5	434.6	396.2	366.0	343.9	333.5	327.7	325.3	327.7	333.5	343.9
127.5°	505.5	459.4	422.5	392.3	368.8	355.6	348.1	344.6	348.1	355.6	368.8
130°	519.4	475.2	439.2	409.0	384.6	369.5	360.2	356.7	360.2	369.5	384.6
132.5°	531.5	490.1	454.1	423.9	398.6	381.6	370.4	366.0	370.4	381.6	398.6
135°	548.4	510.1	474.1	442.7	418.3	399.7	385.8	381.1	385.8	399.7	418.3
137.5°	561.0	524.3	491.5	459.2	435.3	416.7	403.7	400.2	403.7	416.7	435.3
140°	569.4	534.5	500.8	469.4	447.4	428.8	414.8	411.3	414.8	428.8	447.4
142.5°	574.0	541.0	509.2	479.7	458.5	439.9	426.9	424.3	426.9	439.9	458.5
145°	581.0	551.9	521.7	495.0	474.1	457.8	446.2	443.9	446.2	457.8	474.1
147.5°	585.2	558.9	532.4	508.9	490.8	475.7	465.7	464.3	465.7	475.7	490.8
150°	588.0	563.5	538.0	518.2	502.0	486.9	478.7	476.4	478.7	486.9	502.0
152.5°	589.8	568.2	544.5	526.6	511.3	498.0	490.8	489.4	490.8	498.0	511.3
155°	591.4	572.8	553.1	536.8	525.2	513.6	506.6	506.6	506.6	513.6	525.2
157.5°	592.6	576.8	559.8	547.5	537.3	527.3	521.7	522.0	521.7	527.3	537.3
160°	592.6	578.7	563.5	553.1	543.8	535.7	531.0	532.2	531.0	535.7	543.8
162.5°	591.7	580.5	567.3	558.7	551.2	544.0	539.4	540.5	539.4	544.0	551.2
165°	590.3	581.0	571.7	564.7	560.1	554.3	550.8	553.1	550.8	554.3	560.1
167.5°	587.5	581.0	573.3	568.9	565.6	562.4	560.3	561.5	560.3	562.4	565.6
170°	585.6	581.0	575.2	571.7	569.4	567.0	565.9	567.0	565.9	567.0	569.4
172.5°	583.8	580.0	575.2	573.5	572.1	569.8	568.7	570.8	568.7	569.8	572.1
175°	581.0	578.7	575.2	575.2	575.2	574.0	572.8	575.2	572.8	574.0	575.2
177.5°	578.2	577.3	575.4	575.4	576.3	575.4	575.4	577.3	575.4	575.4	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333198

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	879.5	876.1	873.4	867.3	864.0	859.4	855.8	859.7	855.5	857.3	854.6
5°	852.1	841.4	833.8	822.8	813.3	804.6	798.1	797.0	793.9	792.4	787.9
7.5°	819.1	805.8	792.7	778.3	766.1	753.8	745.8	739.3	735.0	729.3	725.4
10°	799.6	781.8	766.6	749.1	733.9	720.6	710.0	704.7	699.7	692.5	689.9
12.5°	775.6	757.2	738.6	719.9	705.4	690.5	681.4	673.4	670.0	661.8	661.0
15°	746.8	719.1	700.9	681.9	661.7	649.6	642.0	633.3	629.5	623.8	619.6
17.5°	712.5	687.7	664.9	645.3	628.0	617.8	608.3	602.3	595.8	592.1	585.2
20°	687.6	664.0	641.2	620.3	607.0	595.3	587.7	582.0	575.1	573.2	566.4
22.5°	666.6	640.6	618.7	601.2	586.7	573.4	565.2	561.3	556.6	550.7	549.4
25°	632.5	605.5	586.9	569.4	556.5	544.4	538.7	533.7	529.2	525.0	523.5
27.5°	603.0	578.9	556.8	541.0	529.8	518.7	513.7	507.7	504.3	501.0	496.9
30°	582.4	557.7	538.3	523.1	510.9	501.1	495.7	491.6	488.5	485.5	483.2
32.5°	561.1	538.2	519.4	504.6	492.4	485.0	480.2	477.3	473.9	470.3	467.4
35°	533.0	507.9	489.7	476.7	467.2	461.5	456.2	453.6	449.8	449.8	446.7
37.5°	501.3	479.6	463.5	451.7	443.2	438.1	432.4	430.6	428.1	426.5	425.5
40°	482.4	462.3	447.1	435.3	426.2	422.0	417.5	414.4	412.9	411.0	410.3
42.5°	463.0	443.8	429.2	418.3	410.4	406.8	402.6	400.5	397.4	394.9	394.5
45°	433.4	414.8	401.5	392.8	386.0	381.8	379.1	374.6	373.0	370.0	369.6
47.5°	405.4	387.5	374.5	367.3	361.3	357.9	353.7	349.2	347.4	345.9	345.8
50°	384.4	368.1	355.9	349.1	343.4	338.5	334.3	331.3	330.1	330.1	330.9
52.5°	363.2	349.3	338.9	330.6	325.2	319.9	316.1	314.2	312.5	314.3	315.7
55°	332.0	318.0	310.4	302.4	297.1	291.0	289.1	288.3	287.2	290.2	291.7
57.5°	299.0	289.2	280.3	272.4	267.6	264.1	261.5	261.1	263.2	264.6	269.6
60°	278.1	266.7	258.7	252.6	246.9	244.6	243.9	243.1	244.6	248.8	255.3
62.5°	255.0	245.7	237.1	232.6	228.4	224.6	224.4	224.9	227.9	232.7	239.2
65°	221.1	213.1	207.4	202.1	198.7	196.4	197.2	198.7	202.1	208.6	215.8
67.5°	186.7	181.2	176.1	171.8	168.5	168.5	169.3	171.6	175.6	183.0	189.6
70°	164.5	158.4	154.2	152.3	149.7	148.2	150.4	154.2	157.6	164.5	170.2
72.5°	142.3	137.1	133.9	132.6	131.4	130.2	131.0	135.1	139.7	146.6	153.2
75°	109.4	107.5	105.2	103.7	102.6	103.3	104.1	107.9	111.7	118.9	126.5
77.5°	79.9	77.9	76.5	76.1	75.5	75.9	78.0	80.8	84.6	89.8	95.6
80°	60.4	59.6	58.9	58.5	58.5	58.9	61.9	63.8	67.2	72.2	76.7
82.5°	44.0	43.5	43.4	43.3	43.6	43.7	45.5	48.0	50.8	54.6	58.5
85°	23.2	22.4	23.6	23.9	23.2	24.3	25.1	26.6	27.7	29.6	31.5
87.5°	9.5	10.5	10.5	11.2	11.5	12.5	12.5	13.9	14.7	15.6	15.7
90°	9.3	11.6	12.8	15.1	16.3	18.6	19.8	20.9	22.1	23.2	25.6
92.5°	61.4	95.3	158.7	265.2	380.7	374.6	303.3	205.9	149.4	112.5	95.3
95°	87.1	139.4	263.8	519.4	840.1	1029.5	1007.4	835.4	658.8	515.9	418.3
97.5°	107.4	145.0	227.3	414.6	750.2	1099.4	1274.7	1244.2	1120.4	981.2	845.4
100°	123.2	158.0	225.4	376.5	669.3	1049.2	1339.7	1429.2	1372.3	1252.6	1131.7
102.5°	139.9	173.8	233.8	360.7	607.9	960.9	1300.7	1491.5	1526.6	1469.2	1387.4
105°	167.3	199.9	251.0	354.4	548.4	842.4	1175.9	1454.8	1614.0	1665.1	1652.3
107.5°	197.8	227.0	276.5	365.1	523.3	760.8	1048.6	1323.7	1536.1	1667.4	1728.1
110°	217.3	247.5	295.1	375.3	515.9	722.7	976.0	1227.0	1447.8	1611.6	1710.4



TEST NUMBER: P333198

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	237.7	267.0	312.8	388.3	515.9	700.4	922.1	1150.8	1360.4	1526.1	1642.5
115°	268.4	297.5	340.5	407.8	519.4	676.3	863.3	1055.1	1235.2	1394.3	1521.0
117.5°	300.0	328.1	368.8	430.2	527.1	664.4	828.2	993.2	1148.5	1285.6	1401.8
120°	319.5	348.6	389.3	445.0	534.5	658.8	808.7	959.8	1099.2	1227.0	1329.3
122.5°	339.1	368.1	408.8	461.8	541.0	654.2	792.0	934.7	1063.9	1177.8	1273.5
125°	366.0	396.2	434.6	484.5	551.9	648.4	769.2	898.2	1016.7	1117.8	1201.5
127.5°	392.3	422.5	459.4	505.5	564.2	645.6	748.3	861.0	971.6	1066.0	1144.3
130°	409.0	439.2	475.2	519.4	571.7	643.7	734.4	837.8	940.0	1030.7	1106.2
132.5°	423.9	454.1	490.1	531.5	580.0	643.7	723.2	814.5	910.3	992.5	1065.3
135°	442.7	474.1	510.1	548.4	591.4	643.7	710.0	784.3	864.5	938.9	1005.1
137.5°	459.2	491.5	524.3	561.0	601.9	645.1	698.1	758.8	823.6	885.4	941.7
140°	469.4	500.8	534.5	569.4	606.5	646.0	692.5	744.8	799.4	852.9	901.7
142.5°	479.7	509.2	541.0	574.0	609.3	647.0	687.9	732.7	779.0	825.0	867.3
145°	495.0	521.7	551.9	581.0	612.4	646.0	680.9	716.9	752.9	789.0	820.3
147.5°	508.9	532.4	558.9	585.2	613.5	643.0	673.7	702.1	731.3	759.0	782.7
150°	518.2	538.0	563.5	588.0	613.5	640.2	668.1	693.7	719.3	741.3	762.2
152.5°	526.6	544.5	568.2	589.8	612.6	636.5	661.6	684.4	707.2	727.4	743.7
155°	536.8	553.1	572.8	591.4	610.0	629.8	650.7	670.4	689.0	705.3	718.1
157.5°	547.5	559.8	576.8	592.6	607.0	622.8	640.5	656.5	671.8	684.4	694.4
160°	553.1	563.5	578.7	592.6	604.2	618.2	632.1	647.2	658.8	670.4	678.6
162.5°	558.7	567.3	580.5	591.7	601.4	612.6	624.7	637.0	647.7	657.4	664.6
165°	564.7	571.7	581.0	590.3	597.2	604.2	613.5	622.8	630.9	637.9	643.7
167.5°	568.9	573.3	581.0	587.5	590.7	596.1	602.6	609.3	614.7	620.0	624.2
170°	571.7	575.2	581.0	585.6	588.0	591.4	596.1	601.9	605.4	608.9	611.2
172.5°	573.5	575.2	580.0	583.8	584.2	585.9	589.6	593.5	597.0	599.6	601.0
175°	575.2	575.2	578.7	581.0	579.8	579.8	581.0	584.5	584.5	586.8	586.8
177.5°	575.4	575.4	577.3	578.2	576.3	576.3	577.3	578.2	579.1	579.1	579.1
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333198

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	852.7	854.9	853.1	855.5	853.1	854.9	852.7	854.6	857.3	855.5	859.7
5°	786.0	782.5	784.8	783.3	784.8	782.5	786.0	787.9	792.4	793.9	797.0
7.5°	724.3	721.0	717.3	715.5	717.3	721.0	724.3	725.4	729.3	735.0	739.3
10°	685.7	681.5	681.1	678.5	681.1	681.5	685.7	689.9	692.5	699.7	704.7
12.5°	657.4	653.5	649.2	648.1	649.2	653.5	657.4	661.0	661.8	670.0	673.4
15°	617.3	614.3	611.6	613.9	611.6	614.3	617.3	619.6	623.8	629.5	633.3
17.5°	583.9	581.4	581.0	578.2	581.0	581.4	583.9	585.2	592.1	595.8	602.3
20°	563.0	561.1	561.8	556.9	561.8	561.1	563.0	566.4	573.2	575.1	582.0
22.5°	546.3	542.5	542.1	541.1	542.1	542.5	546.3	549.4	550.7	556.6	561.3
25°	520.1	518.2	516.3	518.2	516.3	518.2	520.1	523.5	525.0	529.2	533.7
27.5°	497.2	494.9	494.4	494.6	494.4	494.9	497.2	496.9	501.0	504.3	507.7
30°	483.2	479.4	479.8	479.4	479.8	479.4	483.2	483.2	485.5	488.5	491.6
32.5°	468.0	465.4	464.9	464.2	464.9	465.4	468.0	467.4	470.3	473.9	477.3
35°	445.6	445.6	443.7	443.7	443.7	445.6	445.6	446.7	449.8	449.8	453.6
37.5°	424.5	424.2	423.0	423.2	423.0	424.2	424.5	425.5	426.5	428.1	430.6
40°	408.7	408.4	407.2	404.9	407.2	408.4	408.7	410.3	411.0	412.9	414.4
42.5°	393.6	392.3	391.7	391.0	391.7	392.3	393.6	394.5	394.9	397.4	400.5
45°	369.6	369.6	368.9	368.5	368.9	369.6	369.6	369.6	370.0	373.0	374.6
47.5°	346.4	347.1	348.5	348.3	348.5	347.1	346.4	345.8	345.9	347.4	349.2
50°	332.4	332.8	333.9	334.3	333.9	332.8	332.4	330.9	330.1	330.1	331.3
52.5°	316.9	319.1	320.5	320.3	320.5	319.1	316.9	315.7	314.3	312.5	314.2
55°	295.2	297.8	300.5	300.9	300.5	297.8	295.2	291.7	290.2	287.2	288.3
57.5°	273.7	277.4	280.2	281.1	280.2	277.4	273.7	269.6	264.6	263.2	261.1
60°	259.1	264.0	267.4	269.0	267.4	264.0	259.1	255.3	248.8	244.6	243.1
62.5°	245.1	250.6	254.1	254.4	254.1	250.6	245.1	239.2	232.7	227.9	224.9
65°	222.2	227.9	231.0	233.2	231.0	227.9	222.2	215.8	208.6	202.1	198.7
67.5°	197.6	203.3	206.7	208.5	206.7	203.3	197.6	189.6	183.0	175.6	171.6
70°	179.7	185.4	189.9	191.5	189.9	185.4	179.7	170.2	164.5	157.6	154.2
72.5°	162.1	167.1	170.8	172.6	170.8	167.1	162.1	153.2	146.6	139.7	135.1
75°	131.4	138.3	141.7	143.6	141.7	138.3	131.4	126.5	118.9	111.7	107.9
77.5°	101.4	107.6	109.6	110.6	109.6	107.6	101.4	95.6	89.8	84.6	80.8
80°	81.3	85.1	87.8	88.1	87.8	85.1	81.3	76.7	72.2	67.2	63.8
82.5°	62.5	65.6	66.5	67.5	66.5	65.6	62.5	58.5	54.6	50.8	48.0
85°	34.2	35.7	36.1	35.7	36.1	35.7	34.2	31.5	29.6	27.7	26.6
87.5°	16.4	16.1	16.3	16.9	16.3	16.1	16.4	15.7	15.6	14.7	13.9
90°	25.6	25.6	26.7	26.7	26.7	25.6	25.6	25.6	23.2	22.1	20.9
92.5°	80.4	77.6	76.0	74.1	76.0	77.6	80.4	95.3	112.5	149.4	205.9
95°	335.8	300.9	291.7	273.1	291.7	300.9	335.8	418.3	515.9	658.8	835.4
97.5°	773.6	708.6	674.9	660.0	674.9	708.6	773.6	845.4	981.2	1120.4	1244.2
100°	1051.6	967.9	924.9	906.3	924.9	967.9	1051.6	1131.7	1252.6	1372.3	1429.2
102.5°	1301.6	1242.1	1195.4	1181.5	1195.4	1242.1	1301.6	1387.4	1469.2	1526.6	1491.5
105°	1615.1	1576.8	1553.5	1539.6	1553.5	1576.8	1615.1	1652.3	1665.1	1614.0	1454.8
107.5°	1746.9	1746.7	1739.0	1729.7	1739.0	1746.7	1746.9	1728.1	1667.4	1536.1	1323.7
110°	1762.7	1784.8	1792.9	1792.9	1792.9	1784.8	1762.7	1710.4	1611.6	1447.8	1227.0



TEST NUMBER: P333198

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1719.0	1756.9	1777.1	1785.5	1777.1	1756.9	1719.0	1642.5	1526.1	1360.4	1150.8
115°	1611.6	1667.4	1699.9	1715.0	1699.9	1667.4	1611.6	1521.0	1394.3	1235.2	1055.1
117.5°	1492.4	1550.1	1582.4	1591.6	1582.4	1550.1	1492.4	1401.8	1285.6	1148.5	993.2
120°	1415.3	1471.0	1502.4	1511.7	1502.4	1471.0	1415.3	1329.3	1227.0	1099.2	959.8
122.5°	1350.2	1401.3	1432.7	1441.1	1432.7	1401.3	1350.2	1273.5	1177.8	1063.9	934.7
125°	1266.5	1314.2	1339.7	1351.4	1339.7	1314.2	1266.5	1201.5	1117.8	1016.7	898.2
127.5°	1203.3	1245.4	1269.6	1274.7	1269.6	1245.4	1203.3	1144.3	1066.0	971.6	861.0
130°	1164.3	1202.6	1225.9	1232.8	1225.9	1202.6	1164.3	1106.2	1030.7	940.0	837.8
132.5°	1123.4	1161.7	1183.1	1191.0	1183.1	1161.7	1123.4	1065.3	992.5	910.3	814.5
135°	1056.2	1094.6	1115.5	1122.5	1115.5	1094.6	1056.2	1005.1	938.9	864.5	784.3
137.5°	987.4	1022.3	1041.6	1049.2	1041.6	1022.3	987.4	941.7	885.4	823.6	758.8
140°	944.7	974.9	992.3	998.1	992.3	974.9	944.7	901.7	852.9	799.4	744.8
142.5°	903.8	929.3	945.8	950.7	945.8	929.3	903.8	867.3	825.0	779.0	732.7
145°	848.2	868.0	880.8	885.4	880.8	868.0	848.2	820.3	789.0	752.9	716.9
147.5°	804.8	820.6	828.0	830.1	828.0	820.6	804.8	782.7	759.0	731.3	702.1
150°	779.7	793.6	798.3	799.4	798.3	793.6	779.7	762.2	741.3	719.3	693.7
152.5°	758.3	769.4	774.1	775.3	774.1	769.4	758.3	743.7	727.4	707.2	684.4
155°	729.7	737.8	741.3	742.5	741.3	737.8	729.7	718.1	705.3	689.0	670.4
157.5°	703.4	710.2	713.4	713.2	713.4	710.2	703.4	694.4	684.4	671.8	656.5
160°	686.7	692.5	694.9	693.7	694.9	692.5	686.7	678.6	670.4	658.8	647.2
162.5°	670.9	675.8	676.3	676.0	676.3	675.8	670.9	664.6	657.4	647.7	637.0
165°	648.4	650.7	650.7	650.7	650.7	650.7	648.4	643.7	637.9	630.9	622.8
167.5°	626.5	628.6	627.7	627.5	627.7	628.6	626.5	624.2	620.0	614.7	609.3
170°	613.5	614.7	614.7	613.5	614.7	614.7	613.5	611.2	608.9	605.4	601.9
172.5°	601.4	603.5	601.7	600.5	601.7	603.5	601.4	601.0	599.6	597.0	593.5
175°	586.8	588.0	585.6	584.5	585.6	588.0	586.8	586.8	586.8	584.5	584.5
177.5°	578.2	579.1	576.3	576.3	576.3	579.1	578.2	579.1	579.1	579.1	578.2
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333198

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	855.8	859.4	864.0	867.3	873.4	876.1	879.5	882.2	887.1	891.6	897.1
5°	798.1	804.6	813.3	822.8	833.8	841.4	852.1	858.5	871.4	883.2	894.6
7.5°	745.8	753.8	766.1	778.3	792.7	805.8	819.1	833.8	850.3	869.8	885.9
10°	710.0	720.6	733.9	749.1	766.6	781.8	799.6	815.6	835.7	858.5	879.8
12.5°	681.4	690.5	705.4	719.9	738.6	757.2	775.6	796.8	820.2	845.5	872.2
15°	642.0	649.6	661.7	681.9	700.9	719.1	746.8	766.6	796.2	824.3	856.6
17.5°	608.3	617.8	628.0	645.3	664.9	687.7	712.5	737.3	765.8	801.5	837.9
20°	587.7	595.3	607.0	620.3	641.2	664.0	687.6	712.6	747.6	784.4	823.6
22.5°	565.2	573.4	586.7	601.2	618.7	640.6	666.6	694.1	730.6	766.8	809.3
25°	538.7	544.4	556.5	569.4	586.9	605.5	632.5	662.9	699.0	740.4	783.7
27.5°	513.7	518.7	529.8	541.0	556.8	578.9	603.0	633.7	667.7	709.7	757.7
30°	495.7	501.1	510.9	523.1	538.3	557.7	582.4	611.2	647.7	688.7	738.9
32.5°	480.2	485.0	492.4	504.6	519.4	538.2	561.1	590.6	627.0	668.7	717.9
35°	456.2	461.5	467.2	476.7	489.7	507.9	533.0	560.7	595.6	635.9	681.1
37.5°	432.4	438.1	443.2	451.7	463.5	479.6	501.3	530.2	561.8	600.6	644.0
40°	417.5	422.0	426.2	435.3	447.1	462.3	482.4	508.3	541.7	577.8	613.9
42.5°	402.6	406.8	410.4	418.3	429.2	443.8	463.0	488.2	519.2	552.9	584.7
45°	379.1	381.8	386.0	392.8	401.5	414.8	433.4	455.9	482.1	514.0	537.9
47.5°	353.7	357.9	361.3	367.3	374.5	387.5	405.4	424.5	448.3	472.0	488.8
50°	334.3	338.5	343.4	349.1	355.9	368.1	384.4	403.8	423.9	442.2	456.6
52.5°	316.1	319.9	325.2	330.6	338.9	349.3	363.2	380.4	400.2	413.3	425.3
55°	289.1	291.0	297.1	302.4	310.4	318.0	332.0	347.2	359.4	369.2	379.1
57.5°	261.5	264.1	267.6	272.4	280.3	289.2	299.0	312.5	319.6	324.7	332.4
60°	243.9	244.6	246.9	252.6	258.7	266.7	278.1	287.6	292.9	297.1	303.5
62.5°	224.4	224.6	228.4	232.6	237.1	245.7	255.0	262.6	267.1	269.1	275.3
65°	197.2	196.4	198.7	202.1	207.4	213.1	221.1	227.9	227.5	229.8	233.6
67.5°	169.3	168.5	168.5	171.8	176.1	181.2	186.7	190.6	190.7	193.7	195.6
70°	150.4	148.2	149.7	152.3	154.2	158.4	164.5	166.0	166.4	167.9	169.8
72.5°	131.0	130.2	131.4	132.6	133.9	137.1	142.3	143.2	143.3	144.2	147.3
75°	104.1	103.3	102.6	103.7	105.2	107.5	109.4	110.9	110.5	110.9	113.2
77.5°	78.0	75.9	75.5	76.1	76.5	77.9	79.9	79.7	80.1	80.0	82.6
80°	61.9	58.9	58.5	58.5	58.9	59.6	60.4	61.2	60.0	61.2	61.9
82.5°	45.5	43.7	43.6	43.3	43.4	43.5	44.0	44.4	44.2	44.7	45.2
85°	25.1	24.3	23.2	23.9	23.6	22.4	23.2	22.0	21.7	22.0	22.4
87.5°	12.5	12.5	11.5	11.2	10.5	10.5	9.5	8.7	7.9	7.8	8.4
90°	19.8	18.6	16.3	15.1	12.8	11.6	9.3	7.0	4.6	2.3	1.2
92.5°	303.3	374.6	380.7	265.2	158.7	95.3	61.4	41.4	27.0	17.2	14.2
95°	1007.4	1029.5	840.1	519.4	263.8	139.4	87.1	61.6	48.8	39.5	38.3
97.5°	1274.7	1099.4	750.2	414.6	227.3	145.0	107.4	84.4	71.6	65.1	63.7
100°	1339.7	1049.2	669.3	376.5	225.4	158.0	123.2	101.1	88.3	83.7	81.3
102.5°	1300.7	960.9	607.9	360.7	233.8	173.8	139.9	119.7	106.0	102.3	100.9
105°	1175.9	842.4	548.4	354.4	251.0	199.9	167.3	148.7	137.1	131.3	131.3
107.5°	1048.6	760.8	523.3	365.1	276.5	227.0	197.8	178.5	168.9	163.4	161.0
110°	976.0	722.7	515.9	375.3	295.1	247.5	217.3	199.9	189.4	184.8	182.4



TEST NUMBER: P333198

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	922.1	700.4	515.9	388.3	312.8	267.0	237.7	220.3	209.8	206.1	203.8
115°	863.3	676.3	519.4	407.8	340.5	297.5	268.4	251.0	240.5	237.0	234.7
117.5°	828.2	664.4	527.1	430.2	368.8	328.1	300.0	280.3	269.8	266.1	262.6
120°	808.7	658.8	534.5	445.0	389.3	348.6	319.5	299.8	289.3	284.7	281.2
122.5°	792.0	654.2	541.0	461.8	408.8	368.1	339.1	317.4	307.0	303.3	300.7
125°	769.2	648.4	551.9	484.5	434.6	396.2	366.0	343.9	333.5	327.7	325.3
127.5°	748.3	645.6	564.2	505.5	459.4	422.5	392.3	368.8	355.6	348.1	344.6
130°	734.4	643.7	571.7	519.4	475.2	439.2	409.0	384.6	369.5	360.2	356.7
132.5°	723.2	643.7	580.0	531.5	490.1	454.1	423.9	398.6	381.6	370.4	366.0
135°	710.0	643.7	591.4	548.4	510.1	474.1	442.7	418.3	399.7	385.8	381.1
137.5°	698.1	645.1	601.9	561.0	524.3	491.5	459.2	435.3	416.7	403.7	400.2
140°	692.5	646.0	606.5	569.4	534.5	500.8	469.4	447.4	428.8	414.8	411.3
142.5°	687.9	647.0	609.3	574.0	541.0	509.2	479.7	458.5	439.9	426.9	424.3
145°	680.9	646.0	612.4	581.0	551.9	521.7	495.0	474.1	457.8	446.2	443.9
147.5°	673.7	643.0	613.5	585.2	558.9	532.4	508.9	490.8	475.7	465.7	464.3
150°	668.1	640.2	613.5	588.0	563.5	538.0	518.2	502.0	486.9	478.7	476.4
152.5°	661.6	636.5	612.6	589.8	568.2	544.5	526.6	511.3	498.0	490.8	489.4
155°	650.7	629.8	610.0	591.4	572.8	553.1	536.8	525.2	513.6	506.6	506.6
157.5°	640.5	622.8	607.0	592.6	576.8	559.8	547.5	537.3	527.3	521.7	522.0
160°	632.1	618.2	604.2	592.6	578.7	563.5	553.1	543.8	535.7	531.0	532.2
162.5°	624.7	612.6	601.4	591.7	580.5	567.3	558.7	551.2	544.0	539.4	540.5
165°	613.5	604.2	597.2	590.3	581.0	571.7	564.7	560.1	554.3	550.8	553.1
167.5°	602.6	596.1	590.7	587.5	581.0	573.3	568.9	565.6	562.4	560.3	561.5
170°	596.1	591.4	588.0	585.6	581.0	575.2	571.7	569.4	567.0	565.9	567.0
172.5°	589.6	585.9	584.2	583.8	580.0	575.2	573.5	572.1	569.8	568.7	570.8
175°	581.0	579.8	579.8	581.0	578.7	575.2	575.2	575.2	574.0	572.8	575.2
177.5°	577.3	576.3	576.3	578.2	577.3	575.4	575.4	576.3	575.4	575.4	577.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333198

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	899.9	904.1	906.8	912.0	916.3	918.7	920.8	922.6	924.8	926.6	931.8
5°	905.6	915.5	923.9	936.8	948.6	957.7	967.5	976.3	983.5	993.8	1001.7
7.5°	903.1	920.7	939.1	959.0	979.5	998.5	1015.9	1032.3	1047.1	1065.0	1080.7
10°	900.7	924.6	948.2	975.1	1002.9	1026.4	1048.5	1070.9	1087.2	1110.0	1129.4
12.5°	898.9	927.1	955.5	987.9	1018.4	1051.6	1081.0	1097.3	1122.2	1140.4	1163.4
15°	891.2	928.4	967.5	1004.0	1047.3	1078.1	1103.9	1135.8	1159.0	1182.2	1207.2
17.5°	877.4	919.6	963.4	1011.2	1052.7	1085.8	1119.0	1149.8	1177.5	1208.5	1239.8
20°	871.1	913.2	963.4	1012.4	1053.0	1087.6	1121.8	1155.6	1186.0	1225.9	1261.9
22.5°	857.7	908.7	954.9	1002.6	1044.5	1082.1	1120.9	1159.2	1199.6	1244.7	1289.9
25°	833.8	885.5	934.5	981.6	1023.8	1070.9	1112.3	1163.6	1215.2	1274.9	1331.1
27.5°	809.1	858.5	903.4	948.9	998.1	1051.4	1105.1	1163.3	1231.0	1306.2	1385.6
30°	789.0	835.7	879.4	926.1	977.4	1037.4	1096.3	1165.5	1243.7	1328.4	1422.6
32.5°	765.6	808.7	851.2	900.6	956.5	1019.8	1088.4	1164.2	1258.3	1354.6	1451.5
35°	725.6	761.7	805.3	858.1	921.2	993.8	1073.2	1162.8	1270.7	1381.2	1462.9
37.5°	678.1	711.7	757.7	815.6	881.7	959.6	1053.8	1160.1	1274.7	1362.8	1389.2
40°	646.2	677.3	725.2	785.2	852.8	935.3	1038.6	1151.0	1261.9	1318.2	1296.5
42.5°	612.1	644.8	691.5	750.9	823.6	913.4	1019.4	1131.9	1224.9	1246.1	1171.3
45°	558.4	592.2	638.2	698.2	776.5	873.7	984.3	1086.4	1140.0	1101.6	985.8
47.5°	508.5	540.2	582.8	644.7	725.5	826.1	932.5	1014.0	1018.3	926.7	803.0
50°	474.5	503.7	546.6	608.6	688.7	790.5	886.6	950.8	922.0	818.3	699.4
52.5°	441.0	469.7	512.0	573.3	652.6	745.8	835.3	880.3	825.9	719.5	617.9
55°	392.8	417.9	459.3	515.9	591.1	677.7	753.7	769.2	698.6	593.7	511.3
57.5°	345.7	369.1	406.8	458.9	527.6	604.4	663.8	660.5	585.8	495.8	430.4
60°	313.8	336.6	370.0	420.9	483.6	549.7	600.6	588.4	514.4	436.9	381.8
62.5°	285.2	305.6	337.2	381.7	438.9	500.1	541.9	524.0	451.4	383.7	340.1
65°	243.1	260.2	287.2	325.2	372.7	423.2	455.5	432.3	370.4	317.6	282.6
67.5°	202.9	216.6	239.2	269.6	310.1	350.6	370.3	347.0	297.4	258.9	233.0
70°	177.4	189.6	207.0	234.0	269.3	303.5	318.3	297.4	254.9	221.8	203.2
72.5°	151.9	161.9	177.3	201.5	229.8	259.5	272.4	252.5	217.5	189.6	172.2
75°	117.4	124.2	134.9	151.6	174.0	197.5	204.8	187.3	164.9	144.0	132.6
77.5°	84.0	89.8	97.9	108.4	124.3	139.3	145.6	135.5	118.1	104.9	95.6
80°	64.6	67.6	74.5	83.2	95.7	105.2	109.4	102.9	90.8	80.9	73.7
82.5°	46.0	49.1	53.2	60.4	68.4	74.8	79.3	75.0	66.2	58.4	54.2
85°	22.4	24.3	26.6	29.6	35.7	39.5	39.1	36.5	33.0	30.0	27.7
87.5°	8.4	9.1	10.5	12.5	13.9	15.3	16.4	16.0	15.3	14.6	13.9
90°	2.3	4.6	7.0	9.3	11.6	12.8	15.1	16.3	18.6	19.8	20.9
92.5°	17.2	27.0	41.4	61.4	95.3	158.7	265.2	380.7	374.6	303.3	205.9
95°	39.5	48.8	61.6	87.1	139.4	263.8	519.4	840.1	1029.5	1007.4	835.4
97.5°	65.1	71.6	84.4	107.4	145.0	227.3	414.6	750.2	1099.4	1274.7	1244.2
100°	83.7	88.3	101.1	123.2	158.0	225.4	376.5	669.3	1049.2	1339.7	1429.2
102.5°	102.3	106.0	119.7	139.9	173.8	233.8	360.7	607.9	960.9	1300.7	1491.5
105°	131.3	137.1	148.7	167.3	199.9	251.0	354.4	548.4	842.4	1175.9	1454.8
107.5°	163.4	168.9	178.5	197.8	227.0	276.5	365.1	523.3	760.8	1048.6	1323.7
110°	184.8	189.4	199.9	217.3	247.5	295.1	375.3	515.9	722.7	976.0	1227.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	206.1	209.8	220.3	237.7	267.0	312.8	388.3	515.9	700.4	922.1	1150.8
115°	237.0	240.5	251.0	268.4	297.5	340.5	407.8	519.4	676.3	863.3	1055.1
117.5°	266.1	269.8	280.3	300.0	328.1	368.8	430.2	527.1	664.4	828.2	993.2
120°	284.7	289.3	299.8	319.5	348.6	389.3	445.0	534.5	658.8	808.7	959.8
122.5°	303.3	307.0	317.4	339.1	368.1	408.8	461.8	541.0	654.2	792.0	934.7
125°	327.7	333.5	343.9	366.0	396.2	434.6	484.5	551.9	648.4	769.2	898.2
127.5°	348.1	355.6	368.8	392.3	422.5	459.4	505.5	564.2	645.6	748.3	861.0
130°	360.2	369.5	384.6	409.0	439.2	475.2	519.4	571.7	643.7	734.4	837.8
132.5°	370.4	381.6	398.6	423.9	454.1	490.1	531.5	580.0	643.7	723.2	814.5
135°	385.8	399.7	418.3	442.7	474.1	510.1	548.4	591.4	643.7	710.0	784.3
137.5°	403.7	416.7	435.3	459.2	491.5	524.3	561.0	601.9	645.1	698.1	758.8
140°	414.8	428.8	447.4	469.4	500.8	534.5	569.4	606.5	646.0	692.5	744.8
142.5°	426.9	439.9	458.5	479.7	509.2	541.0	574.0	609.3	647.0	687.9	732.7
145°	446.2	457.8	474.1	495.0	521.7	551.9	581.0	612.4	646.0	680.9	716.9
147.5°	465.7	475.7	490.8	508.9	532.4	558.9	585.2	613.5	643.0	673.7	702.1
150°	478.7	486.9	502.0	518.2	538.0	563.5	588.0	613.5	640.2	668.1	693.7
152.5°	490.8	498.0	511.3	526.6	544.5	568.2	589.8	612.6	636.5	661.6	684.4
155°	506.6	513.6	525.2	536.8	553.1	572.8	591.4	610.0	629.8	650.7	670.4
157.5°	521.7	527.3	537.3	547.5	559.8	576.8	592.6	607.0	622.8	640.5	656.5
160°	531.0	535.7	543.8	553.1	563.5	578.7	592.6	604.2	618.2	632.1	647.2
162.5°	539.4	544.0	551.2	558.7	567.3	580.5	591.7	601.4	612.6	624.7	637.0
165°	550.8	554.3	560.1	564.7	571.7	581.0	590.3	597.2	604.2	613.5	622.8
167.5°	560.3	562.4	565.6	568.9	573.3	581.0	587.5	590.7	596.1	602.6	609.3
170°	565.9	567.0	569.4	571.7	575.2	581.0	585.6	588.0	591.4	596.1	601.9
172.5°	568.7	569.8	572.1	573.5	575.2	580.0	583.8	584.2	585.9	589.6	593.5
175°	572.8	574.0	575.2	575.2	575.2	578.7	581.0	579.8	579.8	581.0	584.5
177.5°	575.4	575.4	576.3	575.4	575.4	577.3	578.2	576.3	576.3	577.3	578.2
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333198

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	936.0	938.4	943.6	941.8	944.2	945.4	946.7
5°	1011.6	1023.8	1029.1	1028.3	1036.3	1034.4	1032.5
7.5°	1097.0	1109.8	1116.9	1125.8	1131.0	1131.3	1135.8
10°	1145.3	1162.0	1168.9	1178.4	1184.5	1187.9	1187.5
12.5°	1182.4	1195.5	1210.8	1215.5	1223.7	1228.0	1226.4
15°	1227.0	1247.9	1263.8	1271.8	1282.1	1285.1	1289.3
17.5°	1266.8	1294.8	1313.5	1338.2	1347.6	1353.3	1349.9
20°	1296.9	1333.7	1352.4	1382.0	1398.3	1407.1	1404.0
22.5°	1332.5	1372.3	1406.8	1432.4	1457.3	1469.1	1471.5
25°	1393.4	1448.1	1498.6	1532.4	1563.2	1570.4	1586.4
27.5°	1461.5	1526.0	1580.0	1615.5	1637.0	1645.0	1650.0
30°	1504.3	1568.5	1609.2	1631.9	1638.8	1638.0	1637.3
32.5°	1525.3	1565.5	1573.3	1566.9	1551.3	1538.0	1524.2
35°	1495.6	1465.6	1420.7	1363.0	1320.5	1277.5	1273.3
37.5°	1345.1	1249.1	1174.5	1091.2	1043.1	1013.4	992.8
40°	1203.4	1094.4	1004.0	933.7	884.7	865.4	846.4
42.5°	1049.7	945.5	865.4	806.7	769.9	748.4	733.3
45°	852.8	760.9	698.2	655.7	626.4	609.7	600.2
47.5°	698.8	630.8	577.6	546.9	526.7	513.7	513.7
50°	616.2	551.2	515.9	491.6	474.1	463.8	465.7
52.5°	542.9	494.4	464.2	443.8	430.9	424.6	424.4
55°	454.0	419.0	399.3	384.4	375.7	368.5	370.0
57.5°	388.3	358.8	345.6	333.3	327.2	324.3	320.2
60°	347.6	324.8	313.4	303.5	297.4	295.2	291.0
62.5°	311.4	293.5	282.4	274.3	268.9	268.1	264.8
65°	261.7	248.1	238.2	234.4	228.7	227.2	227.2
67.5°	215.8	206.0	198.3	194.8	192.3	192.7	190.8
70°	186.9	178.9	174.0	170.2	168.3	168.7	167.1
72.5°	163.5	154.6	150.3	148.0	145.5	146.5	145.9
75°	123.8	119.3	117.0	114.7	113.2	112.4	111.7
77.5°	90.9	86.9	85.2	83.9	84.1	82.3	83.7
80°	70.3	66.9	65.7	63.8	63.4	63.4	63.1
82.5°	51.4	49.5	48.7	47.1	46.4	47.0	46.0
85°	26.6	25.1	24.7	24.7	23.9	23.2	25.1
87.5°	14.1	13.2	13.6	13.3	13.3	13.2	12.6
90°	22.1	23.2	25.6	25.6	25.6	26.7	26.7
92.5°	149.4	112.5	95.3	80.4	77.6	76.0	74.1
95°	658.8	515.9	418.3	335.8	300.9	291.7	273.1
97.5°	1120.4	981.2	845.4	773.6	708.6	674.9	660.0
100°	1372.3	1252.6	1131.7	1051.6	967.9	924.9	906.3
102.5°	1526.6	1469.2	1387.4	1301.6	1242.1	1195.4	1181.5
105°	1614.0	1665.1	1652.3	1615.1	1576.8	1553.5	1539.6
107.5°	1536.1	1667.4	1728.1	1746.9	1746.7	1739.0	1729.7
110°	1447.8	1611.6	1710.4	1762.7	1784.8	1792.9	1792.9



TEST NUMBER: P333198

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1360.4	1526.1	1642.5	1719.0	1756.9	1777.1	1785.5
115°	1235.2	1394.3	1521.0	1611.6	1667.4	1699.9	1715.0
117.5°	1148.5	1285.6	1401.8	1492.4	1550.1	1582.4	1591.6
120°	1099.2	1227.0	1329.3	1415.3	1471.0	1502.4	1511.7
122.5°	1063.9	1177.8	1273.5	1350.2	1401.3	1432.7	1441.1
125°	1016.7	1117.8	1201.5	1266.5	1314.2	1339.7	1351.4
127.5°	971.6	1066.0	1144.3	1203.3	1245.4	1269.6	1274.7
130°	940.0	1030.7	1106.2	1164.3	1202.6	1225.9	1232.8
132.5°	910.3	992.5	1065.3	1123.4	1161.7	1183.1	1191.0
135°	864.5	938.9	1005.1	1056.2	1094.6	1115.5	1122.5
137.5°	823.6	885.4	941.7	987.4	1022.3	1041.6	1049.2
140°	799.4	852.9	901.7	944.7	974.9	992.3	998.1
142.5°	779.0	825.0	867.3	903.8	929.3	945.8	950.7
145°	752.9	789.0	820.3	848.2	868.0	880.8	885.4
147.5°	731.3	759.0	782.7	804.8	820.6	828.0	830.1
150°	719.3	741.3	762.2	779.7	793.6	798.3	799.4
152.5°	707.2	727.4	743.7	758.3	769.4	774.1	775.3
155°	689.0	705.3	718.1	729.7	737.8	741.3	742.5
157.5°	671.8	684.4	694.4	703.4	710.2	713.4	713.2
160°	658.8	670.4	678.6	686.7	692.5	694.9	693.7
162.5°	647.7	657.4	664.6	670.9	675.8	676.3	676.0
165°	630.9	637.9	643.7	648.4	650.7	650.7	650.7
167.5°	614.7	620.0	624.2	626.5	628.6	627.7	627.5
170°	605.4	608.9	611.2	613.5	614.7	614.7	613.5
172.5°	597.0	599.6	601.0	601.4	603.5	601.7	600.5
175°	584.5	586.8	586.8	586.8	588.0	585.6	584.5
177.5°	579.1	579.1	579.1	578.2	579.1	576.3	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3

(END OF REPORT)