

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: P333189

Luminaire Tested: **S125DIP-S610D1035U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333189  
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-S610D1035U835-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6241.4 lumens  
Efficiency: N/A  
Efficacy: 140.3 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: General Diffuse

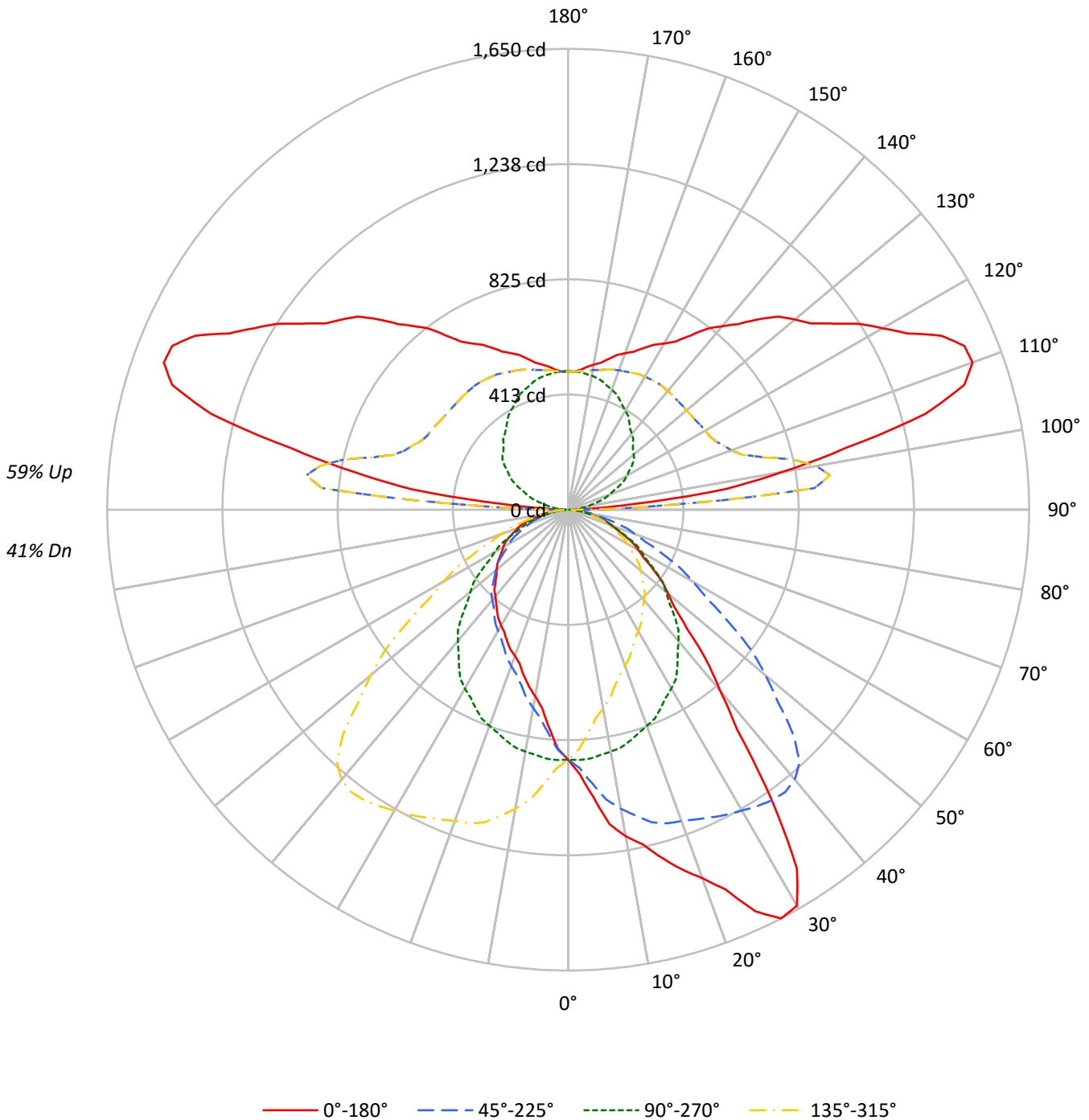
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20										
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	50	30	10	50	30	10	0														
RCR																																						
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41																				
1	96	92	88	84	87	84	80	78	69	66	64	55	53	52	42	41	40	34																				
2	87	80	74	69	79	73	68	64	60	57	54	48	46	44	37	36	34	29																				
3	80	71	63	58	72	65	58	54	53	49	45	43	40	37	33	31	29	25																				
4	73	62	55	49	66	57	51	45	47	42	39	38	35	32	30	27	25	21																				
5	67	56	48	42	61	51	44	39	42	37	33	34	31	28	27	24	22	19																				
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	22	19	16																				
7	57	45	37	32	52	41	34	30	35	29	25	28	24	21	22	19	17	15																				
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15	13																				
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12																				
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11																				

**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	1.4
10°-20°	256.5	4.1
20°-30°	416.6	6.7
30°-40°	508.1	8.1
40°-50°	462.2	7.4
50°-60°	368.2	5.9
60°-70°	256.4	4.1
70°-80°	136.8	2.2
80°-90°	37.3	0.6
90°-100°	358.9	5.8
100°-110°	771.5	12.4
110°-120°	724.1	11.6
120°-130°	586.8	9.4
130°-140°	470.9	7.5
140°-150°	355.4	5.7
150°-160°	250.1	4.0
160°-170°	147.4	2.4
170°-180°	48.0	0.8
0°-30°	759.2	12.2
0°-40°	1267.4	20.3
0°-60°	2097.8	33.6
0°-90°	2528.3	40.5
90°-120°	1854.5	29.7
90°-150°	3267.6	52.4
90°-180°	3713.0	59.5
0°-180°	6241.4	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°	23	1	23	1	23	17
95°	235	33	235	33	235	332
105°	1323	113	1323	113	1323	1315
115°	1474	202	1474	202	1474	1440
125°	1161	280	1161	280	1161	1050
135°	964	327	964	327	964	747
145°	761	381	761	381	761	483
155°	638	435	638	435	638	297
165°	559	475	559	475	559	160
175°	502	494	502	494	502	49
180°	495	495	495	495	495	



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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°	11.9	12.5	12.6	12.6	12.9	12.5	13.5	13.3	14.0	14.7	15.6
90°	23.0	23.0	22.0	22.0	22.0	20.0	19.0	18.0	17.0	16.0	14.0
92.5°	63.7	65.3	66.7	69.1	81.9	96.6	128.4	176.9	260.5	321.8	327.0
95°	234.6	250.6	258.6	288.5	359.4	443.2	566.0	717.8	865.5	884.5	721.8
97.5°	567.0	579.8	608.7	664.7	726.3	842.9	962.5	1069.0	1095.1	944.6	644.5
100°	778.7	794.6	831.6	903.4	972.3	1076.1	1179.0	1227.9	1151.0	901.4	575.0
102.5°	1015.0	1027.0	1067.2	1118.3	1191.9	1262.2	1311.5	1281.4	1117.5	825.6	522.3
105°	1322.7	1334.7	1354.7	1387.6	1419.5	1430.5	1386.6	1249.8	1010.3	723.7	471.2
107.5°	1486.0	1494.0	1500.6	1500.8	1484.6	1432.5	1319.7	1137.2	900.8	653.7	449.6
110°	1540.3	1540.3	1533.3	1514.4	1469.5	1384.6	1243.8	1054.2	838.5	620.9	443.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1533.9	1526.8	1509.4	1476.8	1411.2	1311.1	1168.8	988.7	792.2	601.8	443.2
115°	1473.5	1460.5	1432.5	1384.6	1306.7	1197.9	1061.2	906.4	741.7	581.0	446.2
117.5°	1367.4	1359.4	1331.7	1282.2	1204.3	1104.5	986.7	853.3	711.6	570.8	452.8
120°	1298.8	1290.8	1263.8	1215.9	1142.0	1054.2	944.4	824.6	694.8	566.0	459.2
122.5°	1238.1	1230.9	1203.9	1160.0	1094.1	1011.8	914.0	803.0	680.4	562.0	464.8
125°	1161.0	1151.0	1129.0	1088.1	1032.2	960.3	873.5	771.7	660.9	557.0	474.2
127.5°	1095.1	1090.7	1069.9	1033.8	983.1	915.8	834.8	739.7	642.9	554.6	484.8
130°	1059.2	1053.2	1033.2	1000.3	950.4	885.5	807.6	719.8	630.9	553.0	491.2
132.5°	1023.2	1016.4	998.1	965.1	915.2	852.7	782.0	699.8	621.3	553.0	498.3
135°	964.3	958.3	940.4	907.4	863.5	806.6	742.7	673.8	609.9	553.0	508.1
137.5°	901.4	894.9	878.3	848.3	809.0	760.7	707.6	651.9	599.8	554.2	517.1
140°	857.5	852.5	837.6	811.6	774.7	732.7	686.8	639.9	595.0	555.0	521.1
142.5°	816.8	812.6	798.4	776.5	745.1	708.8	669.2	629.5	591.0	555.8	523.5
145°	760.7	756.7	745.7	728.7	704.8	677.8	646.9	615.9	585.0	555.0	526.1
147.5°	713.2	711.4	705.0	691.4	672.4	652.1	628.3	603.2	578.8	552.4	527.1
150°	686.8	685.8	681.8	669.8	654.9	636.9	617.9	596.0	574.0	550.0	527.1
152.5°	666.0	665.0	661.1	651.5	638.9	624.9	607.5	588.0	568.4	546.9	526.3
155°	637.9	636.9	633.9	626.9	616.9	606.0	592.0	576.0	559.0	541.1	524.1
157.5°	612.7	612.9	610.1	604.4	596.6	588.0	577.2	564.0	550.2	535.1	521.5
160°	596.0	597.0	595.0	590.0	583.0	576.0	566.0	556.0	543.1	531.1	519.1
162.5°	580.8	581.0	580.6	576.4	571.0	564.8	556.4	547.3	536.7	526.3	516.7
165°	559.0	559.0	559.0	557.0	553.0	548.1	542.1	535.1	527.1	519.1	513.1
167.5°	539.1	539.3	540.1	538.3	536.3	532.7	528.1	523.5	517.7	512.1	507.5
170°	527.1	528.1	528.1	527.1	525.1	523.1	520.1	517.1	512.1	508.1	505.1
172.5°	515.9	516.9	518.5	516.7	516.3	515.1	512.9	509.9	506.5	503.3	501.9
175°	502.1	503.1	505.1	504.1	504.1	504.1	502.1	502.1	499.1	498.1	498.1
177.5°	495.1	495.1	497.5	496.7	497.5	497.5	497.5	496.7	495.9	495.1	495.1
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



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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°	16.0	15.0	13.5	12.2	10.3	9.0	8.3	8.4	7.7	7.8	8.5
90°	13.0	11.0	10.0	8.0	6.0	4.0	2.0	1.0	2.0	4.0	6.0
92.5°	227.8	136.4	81.9	52.7	35.5	23.2	14.8	12.2	14.8	23.2	35.5
95°	446.2	226.6	119.8	74.9	52.9	41.9	33.9	32.9	33.9	41.9	52.9
97.5°	356.2	195.3	124.6	92.2	72.5	61.5	55.9	54.7	55.9	61.5	72.5
100°	323.4	193.7	135.8	105.8	86.8	75.9	71.9	69.9	71.9	75.9	86.8
102.5°	309.9	200.9	149.3	120.2	102.8	91.0	87.8	86.7	87.8	91.0	102.8
105°	304.5	215.6	171.7	143.8	127.8	117.8	112.8	112.8	112.8	117.8	127.8
107.5°	313.7	237.6	195.1	169.9	153.3	145.1	140.4	138.4	140.4	145.1	153.3
110°	322.4	253.6	212.6	186.7	171.7	162.7	158.7	156.7	158.7	162.7	171.7





TEST NUMBER: P333189

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	333.6	268.7	229.4	204.2	189.3	180.3	177.1	175.1	177.1	180.3	189.3
115°	350.4	292.5	255.6	230.6	215.6	206.6	203.6	201.7	203.6	206.6	215.6
117.5°	369.6	316.9	281.9	257.8	240.8	231.8	228.6	225.6	228.6	231.8	240.8
120°	382.3	334.4	299.5	274.5	257.6	248.6	244.6	241.6	244.6	248.6	257.6
122.5°	396.7	351.2	316.3	291.3	272.7	263.7	260.5	258.4	260.5	263.7	272.7
125°	416.3	373.4	340.4	314.5	295.5	286.5	281.5	279.5	281.5	286.5	295.5
127.5°	434.2	394.7	363.0	337.0	316.9	305.5	299.1	296.1	299.1	305.5	316.9
130°	446.2	408.3	377.3	351.4	330.4	317.5	309.5	306.5	309.5	317.5	330.4
132.5°	456.6	421.1	390.1	364.2	342.4	327.8	318.2	314.5	318.2	327.8	342.4
135°	471.2	438.2	407.3	380.3	359.4	343.4	331.4	327.4	331.4	343.4	359.4
137.5°	482.0	450.4	422.3	394.5	374.0	358.0	346.8	343.8	346.8	358.0	374.0
140°	489.2	459.2	430.3	403.3	384.3	368.4	356.4	353.4	356.4	368.4	384.3
142.5°	493.1	464.8	437.4	412.1	393.9	377.9	366.8	364.6	366.8	377.9	393.9
145°	499.1	474.2	448.2	425.3	407.3	393.3	383.3	381.3	383.3	393.3	407.3
147.5°	502.7	480.2	457.4	437.2	421.7	408.7	400.1	398.9	400.1	408.7	421.7
150°	505.1	484.2	462.2	445.2	431.3	418.3	411.3	409.3	411.3	418.3	431.3
152.5°	506.7	488.2	467.8	452.4	439.2	427.9	421.7	420.5	421.7	427.9	439.2
155°	508.1	492.1	475.2	461.2	451.2	441.2	435.2	435.2	435.2	441.2	451.2
157.5°	509.1	495.5	481.0	470.4	461.6	453.0	448.2	448.4	448.2	453.0	461.6
160°	509.1	497.1	484.2	475.2	467.2	460.2	456.2	457.2	456.2	460.2	467.2
162.5°	508.3	498.7	487.4	480.0	473.6	467.4	463.4	464.4	463.4	467.4	473.6
165°	507.1	499.1	491.2	485.2	481.2	476.2	473.2	475.2	473.2	476.2	481.2
167.5°	504.7	499.1	492.5	488.8	486.0	483.2	481.4	482.4	481.4	483.2	486.0
170°	503.1	499.1	494.1	491.2	489.2	487.2	486.2	487.2	486.2	487.2	489.2
172.5°	501.5	498.3	494.1	492.7	491.5	489.6	488.6	490.4	488.6	489.6	491.5
175°	499.1	497.1	494.1	494.1	494.1	493.1	492.1	494.1	492.1	493.1	494.1
177.5°	496.7	495.9	494.3	494.3	495.1	494.3	494.3	495.9	494.3	494.3	495.1
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333189

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-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°	9.2	10.2	10.1	10.8	11.0	12.0	11.9	13.3	14.1	14.9	15.0
90°	8.0	10.0	11.0	13.0	14.0	16.0	17.0	18.0	19.0	20.0	22.0
92.5°	52.7	81.9	136.4	227.8	327.0	321.8	260.5	176.9	128.4	96.6	81.9
95°	74.9	119.8	226.6	446.2	721.8	884.5	865.5	717.8	566.0	443.2	359.4
97.5°	92.2	124.6	195.3	356.2	644.5	944.6	1095.1	1069.0	962.5	842.9	726.3
100°	105.8	135.8	193.7	323.4	575.0	901.4	1151.0	1227.9	1179.0	1076.1	972.3
102.5°	120.2	149.3	200.9	309.9	522.3	825.6	1117.5	1281.4	1311.5	1262.2	1191.9
105°	143.8	171.7	215.6	304.5	471.2	723.7	1010.3	1249.8	1386.6	1430.5	1419.5
107.5°	169.9	195.1	237.6	313.7	449.6	653.7	900.8	1137.2	1319.7	1432.5	1484.6
110°	186.7	212.6	253.6	322.4	443.2	620.9	838.5	1054.2	1243.8	1384.6	1469.5



TEST NUMBER: P333189

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	204.2	229.4	268.7	333.6	443.2	601.8	792.2	988.7	1168.8	1311.1	1411.2
115°	230.6	255.6	292.5	350.4	446.2	581.0	741.7	906.4	1061.2	1197.9	1306.7
117.5°	257.8	281.9	316.9	369.6	452.8	570.8	711.6	853.3	986.7	1104.5	1204.3
120°	274.5	299.5	334.4	382.3	459.2	566.0	694.8	824.6	944.4	1054.2	1142.0
122.5°	291.3	316.3	351.2	396.7	464.8	562.0	680.4	803.0	914.0	1011.8	1094.1
125°	314.5	340.4	373.4	416.3	474.2	557.0	660.9	771.7	873.5	960.3	1032.2
127.5°	337.0	363.0	394.7	434.2	484.8	554.6	642.9	739.7	834.8	915.8	983.1
130°	351.4	377.3	408.3	446.2	491.2	553.0	630.9	719.8	807.6	885.5	950.4
132.5°	364.2	390.1	421.1	456.6	498.3	553.0	621.3	699.8	782.0	852.7	915.2
135°	380.3	407.3	438.2	471.2	508.1	553.0	609.9	673.8	742.7	806.6	863.5
137.5°	394.5	422.3	450.4	482.0	517.1	554.2	599.8	651.9	707.6	760.7	809.0
140°	403.3	430.3	459.2	489.2	521.1	555.0	595.0	639.9	686.8	732.7	774.7
142.5°	412.1	437.4	464.8	493.1	523.5	555.8	591.0	629.5	669.2	708.8	745.1
145°	425.3	448.2	474.2	499.1	526.1	555.0	585.0	615.9	646.9	677.8	704.8
147.5°	437.2	457.4	480.2	502.7	527.1	552.4	578.8	603.2	628.3	652.1	672.4
150°	445.2	462.2	484.2	505.1	527.1	550.0	574.0	596.0	617.9	636.9	654.9
152.5°	452.4	467.8	488.2	506.7	526.3	546.9	568.4	588.0	607.5	624.9	638.9
155°	461.2	475.2	492.1	508.1	524.1	541.1	559.0	576.0	592.0	606.0	616.9
157.5°	470.4	481.0	495.5	509.1	521.5	535.1	550.2	564.0	577.2	588.0	596.6
160°	475.2	484.2	497.1	509.1	519.1	531.1	543.1	556.0	566.0	576.0	583.0
162.5°	480.0	487.4	498.7	508.3	516.7	526.3	536.7	547.3	556.4	564.8	571.0
165°	485.2	491.2	499.1	507.1	513.1	519.1	527.1	535.1	542.1	548.1	553.0
167.5°	488.8	492.5	499.1	504.7	507.5	512.1	517.7	523.5	528.1	532.7	536.3
170°	491.2	494.1	499.1	503.1	505.1	508.1	512.1	517.1	520.1	523.1	525.1
172.5°	492.7	494.1	498.3	501.5	501.9	503.3	506.5	509.9	512.9	515.1	516.3
175°	494.1	494.1	497.1	499.1	498.1	498.1	499.1	502.1	502.1	504.1	504.1
177.5°	494.3	494.3	495.9	496.7	495.1	495.1	495.9	496.7	497.5	497.5	497.5
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333189

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-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°	15.6	15.3	15.5	16.1	15.5	15.3	15.6	15.0	14.9	14.1	13.3
90°	22.0	22.0	23.0	23.0	23.0	22.0	22.0	22.0	20.0	19.0	18.0
92.5°	69.1	66.7	65.3	63.7	65.3	66.7	69.1	81.9	96.6	128.4	176.9
95°	288.5	258.6	250.6	234.6	250.6	258.6	288.5	359.4	443.2	566.0	717.8
97.5°	664.7	608.7	579.8	567.0	579.8	608.7	664.7	726.3	842.9	962.5	1069.0
100°	903.4	831.6	794.6	778.7	794.6	831.6	903.4	972.3	1076.1	1179.0	1227.9
102.5°	1118.3	1067.2	1027.0	1015.0	1027.0	1067.2	1118.3	1191.9	1262.2	1311.5	1281.4
105°	1387.6	1354.7	1334.7	1322.7	1334.7	1354.7	1387.6	1419.5	1430.5	1386.6	1249.8
107.5°	1500.8	1500.6	1494.0	1486.0	1494.0	1500.6	1500.8	1484.6	1432.5	1319.7	1137.2
110°	1514.4	1533.3	1540.3	1540.3	1540.3	1533.3	1514.4	1469.5	1384.6	1243.8	1054.2



TEST NUMBER: P333189

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1476.8	1509.4	1526.8	1533.9	1526.8	1509.4	1476.8	1411.2	1311.1	1168.8	988.7
115°	1384.6	1432.5	1460.5	1473.5	1460.5	1432.5	1384.6	1306.7	1197.9	1061.2	906.4
117.5°	1282.2	1331.7	1359.4	1367.4	1359.4	1331.7	1282.2	1204.3	1104.5	986.7	853.3
120°	1215.9	1263.8	1290.8	1298.8	1290.8	1263.8	1215.9	1142.0	1054.2	944.4	824.6
122.5°	1160.0	1203.9	1230.9	1238.1	1230.9	1203.9	1160.0	1094.1	1011.8	914.0	803.0
125°	1088.1	1129.0	1151.0	1161.0	1151.0	1129.0	1088.1	1032.2	960.3	873.5	771.7
127.5°	1033.8	1069.9	1090.7	1095.1	1090.7	1069.9	1033.8	983.1	915.8	834.8	739.7
130°	1000.3	1033.2	1053.2	1059.2	1053.2	1033.2	1000.3	950.4	885.5	807.6	719.8
132.5°	965.1	998.1	1016.4	1023.2	1016.4	998.1	965.1	915.2	852.7	782.0	699.8
135°	907.4	940.4	958.3	964.3	958.3	940.4	907.4	863.5	806.6	742.7	673.8
137.5°	848.3	878.3	894.9	901.4	894.9	878.3	848.3	809.0	760.7	707.6	651.9
140°	811.6	837.6	852.5	857.5	852.5	837.6	811.6	774.7	732.7	686.8	639.9
142.5°	776.5	798.4	812.6	816.8	812.6	798.4	776.5	745.1	708.8	669.2	629.5
145°	728.7	745.7	756.7	760.7	756.7	745.7	728.7	704.8	677.8	646.9	615.9
147.5°	691.4	705.0	711.4	713.2	711.4	705.0	691.4	672.4	652.1	628.3	603.2
150°	669.8	681.8	685.8	686.8	685.8	681.8	669.8	654.9	636.9	617.9	596.0
152.5°	651.5	661.1	665.0	666.0	665.0	661.1	651.5	638.9	624.9	607.5	588.0
155°	626.9	633.9	636.9	637.9	636.9	633.9	626.9	616.9	606.0	592.0	576.0
157.5°	604.4	610.1	612.9	612.7	612.9	610.1	604.4	596.6	588.0	577.2	564.0
160°	590.0	595.0	597.0	596.0	597.0	595.0	590.0	583.0	576.0	566.0	556.0
162.5°	576.4	580.6	581.0	580.8	581.0	580.6	576.4	571.0	564.8	556.4	547.3
165°	557.0	559.0	559.0	559.0	559.0	559.0	557.0	553.0	548.1	542.1	535.1
167.5°	538.3	540.1	539.3	539.1	539.3	540.1	538.3	536.3	532.7	528.1	523.5
170°	527.1	528.1	528.1	527.1	528.1	528.1	527.1	525.1	523.1	520.1	517.1
172.5°	516.7	518.5	516.9	515.9	516.9	518.5	516.7	516.3	515.1	512.9	509.9
175°	504.1	505.1	503.1	502.1	503.1	505.1	504.1	504.1	504.1	502.1	502.1
177.5°	496.7	497.5	495.1	495.1	495.1	497.5	496.7	497.5	497.5	497.5	496.7
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333189

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-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°	11.9	12.0	11.0	10.8	10.1	10.2	9.2	8.5	7.8	7.7	8.4
90°	17.0	16.0	14.0	13.0	11.0	10.0	8.0	6.0	4.0	2.0	1.0
92.5°	260.5	321.8	327.0	227.8	136.4	81.9	52.7	35.5	23.2	14.8	12.2
95°	865.5	884.5	721.8	446.2	226.6	119.8	74.9	52.9	41.9	33.9	32.9
97.5°	1095.1	944.6	644.5	356.2	195.3	124.6	92.2	72.5	61.5	55.9	54.7
100°	1151.0	901.4	575.0	323.4	193.7	135.8	105.8	86.8	75.9	71.9	69.9
102.5°	1117.5	825.6	522.3	309.9	200.9	149.3	120.2	102.8	91.0	87.8	86.7
105°	1010.3	723.7	471.2	304.5	215.6	171.7	143.8	127.8	117.8	112.8	112.8
107.5°	900.8	653.7	449.6	313.7	237.6	195.1	169.9	153.3	145.1	140.4	138.4
110°	838.5	620.9	443.2	322.4	253.6	212.6	186.7	171.7	162.7	158.7	156.7



TEST NUMBER: P333189

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	792.2	601.8	443.2	333.6	268.7	229.4	204.2	189.3	180.3	177.1	175.1
115°	741.7	581.0	446.2	350.4	292.5	255.6	230.6	215.6	206.6	203.6	201.7
117.5°	711.6	570.8	452.8	369.6	316.9	281.9	257.8	240.8	231.8	228.6	225.6
120°	694.8	566.0	459.2	382.3	334.4	299.5	274.5	257.6	248.6	244.6	241.6
122.5°	680.4	562.0	464.8	396.7	351.2	316.3	291.3	272.7	263.7	260.5	258.4
125°	660.9	557.0	474.2	416.3	373.4	340.4	314.5	295.5	286.5	281.5	279.5
127.5°	642.9	554.6	484.8	434.2	394.7	363.0	337.0	316.9	305.5	299.1	296.1
130°	630.9	553.0	491.2	446.2	408.3	377.3	351.4	330.4	317.5	309.5	306.5
132.5°	621.3	553.0	498.3	456.6	421.1	390.1	364.2	342.4	327.8	318.2	314.5
135°	609.9	553.0	508.1	471.2	438.2	407.3	380.3	359.4	343.4	331.4	327.4
137.5°	599.8	554.2	517.1	482.0	450.4	422.3	394.5	374.0	358.0	346.8	343.8
140°	595.0	555.0	521.1	489.2	459.2	430.3	403.3	384.3	368.4	356.4	353.4
142.5°	591.0	555.8	523.5	493.1	464.8	437.4	412.1	393.9	377.9	366.8	364.6
145°	585.0	555.0	526.1	499.1	474.2	448.2	425.3	407.3	393.3	383.3	381.3
147.5°	578.8	552.4	527.1	502.7	480.2	457.4	437.2	421.7	408.7	400.1	398.9
150°	574.0	550.0	527.1	505.1	484.2	462.2	445.2	431.3	418.3	411.3	409.3
152.5°	568.4	546.9	526.3	506.7	488.2	467.8	452.4	439.2	427.9	421.7	420.5
155°	559.0	541.1	524.1	508.1	492.1	475.2	461.2	451.2	441.2	435.2	435.2
157.5°	550.2	535.1	521.5	509.1	495.5	481.0	470.4	461.6	453.0	448.2	448.4
160°	543.1	531.1	519.1	509.1	497.1	484.2	475.2	467.2	460.2	456.2	457.2
162.5°	536.7	526.3	516.7	508.3	498.7	487.4	480.0	473.6	467.4	463.4	464.4
165°	527.1	519.1	513.1	507.1	499.1	491.2	485.2	481.2	476.2	473.2	475.2
167.5°	517.7	512.1	507.5	504.7	499.1	492.5	488.8	486.0	483.2	481.4	482.4
170°	512.1	508.1	505.1	503.1	499.1	494.1	491.2	489.2	487.2	486.2	487.2
172.5°	506.5	503.3	501.9	501.5	498.3	494.1	492.7	491.5	489.6	488.6	490.4
175°	499.1	498.1	498.1	499.1	497.1	494.1	494.1	494.1	493.1	492.1	494.1
177.5°	495.9	495.1	495.1	496.7	495.9	494.3	494.3	495.1	494.3	494.3	495.9
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333189

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-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°	8.3	9.0	10.3	12.2	13.5	15.0	16.0	15.6	14.7	14.0	13.3
90°	2.0	4.0	6.0	8.0	10.0	11.0	13.0	14.0	16.0	17.0	18.0
92.5°	14.8	23.2	35.5	52.7	81.9	136.4	227.8	327.0	321.8	260.5	176.9
95°	33.9	41.9	52.9	74.9	119.8	226.6	446.2	721.8	884.5	865.5	717.8
97.5°	55.9	61.5	72.5	92.2	124.6	195.3	356.2	644.5	944.6	1095.1	1069.0
100°	71.9	75.9	86.8	105.8	135.8	193.7	323.4	575.0	901.4	1151.0	1227.9
102.5°	87.8	91.0	102.8	120.2	149.3	200.9	309.9	522.3	825.6	1117.5	1281.4
105°	112.8	117.8	127.8	143.8	171.7	215.6	304.5	471.2	723.7	1010.3	1249.8
107.5°	140.4	145.1	153.3	169.9	195.1	237.6	313.7	449.6	653.7	900.8	1137.2
110°	158.7	162.7	171.7	186.7	212.6	253.6	322.4	443.2	620.9	838.5	1054.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	177.1	180.3	189.3	204.2	229.4	268.7	333.6	443.2	601.8	792.2	988.7
115°	203.6	206.6	215.6	230.6	255.6	292.5	350.4	446.2	581.0	741.7	906.4
117.5°	228.6	231.8	240.8	257.8	281.9	316.9	369.6	452.8	570.8	711.6	853.3
120°	244.6	248.6	257.6	274.5	299.5	334.4	382.3	459.2	566.0	694.8	824.6
122.5°	260.5	263.7	272.7	291.3	316.3	351.2	396.7	464.8	562.0	680.4	803.0
125°	281.5	286.5	295.5	314.5	340.4	373.4	416.3	474.2	557.0	660.9	771.7
127.5°	299.1	305.5	316.9	337.0	363.0	394.7	434.2	484.8	554.6	642.9	739.7
130°	309.5	317.5	330.4	351.4	377.3	408.3	446.2	491.2	553.0	630.9	719.8
132.5°	318.2	327.8	342.4	364.2	390.1	421.1	456.6	498.3	553.0	621.3	699.8
135°	331.4	343.4	359.4	380.3	407.3	438.2	471.2	508.1	553.0	609.9	673.8
137.5°	346.8	358.0	374.0	394.5	422.3	450.4	482.0	517.1	554.2	599.8	651.9
140°	356.4	368.4	384.3	403.3	430.3	459.2	489.2	521.1	555.0	595.0	639.9
142.5°	366.8	377.9	393.9	412.1	437.4	464.8	493.1	523.5	555.8	591.0	629.5
145°	383.3	393.3	407.3	425.3	448.2	474.2	499.1	526.1	555.0	585.0	615.9
147.5°	400.1	408.7	421.7	437.2	457.4	480.2	502.7	527.1	552.4	578.8	603.2
150°	411.3	418.3	431.3	445.2	462.2	484.2	505.1	527.1	550.0	574.0	596.0
152.5°	421.7	427.9	439.2	452.4	467.8	488.2	506.7	526.3	546.9	568.4	588.0
155°	435.2	441.2	451.2	461.2	475.2	492.1	508.1	524.1	541.1	559.0	576.0
157.5°	448.2	453.0	461.6	470.4	481.0	495.5	509.1	521.5	535.1	550.2	564.0
160°	456.2	460.2	467.2	475.2	484.2	497.1	509.1	519.1	531.1	543.1	556.0
162.5°	463.4	467.4	473.6	480.0	487.4	498.7	508.3	516.7	526.3	536.7	547.3
165°	473.2	476.2	481.2	485.2	491.2	499.1	507.1	513.1	519.1	527.1	535.1
167.5°	481.4	483.2	486.0	488.8	492.5	499.1	504.7	507.5	512.1	517.7	523.5
170°	486.2	487.2	489.2	491.2	494.1	499.1	503.1	505.1	508.1	512.1	517.1
172.5°	488.6	489.6	491.5	492.7	494.1	498.3	501.5	501.9	503.3	506.5	509.9
175°	492.1	493.1	494.1	494.1	494.1	497.1	499.1	498.1	498.1	499.1	502.1
177.5°	494.3	494.3	495.1	494.3	494.3	495.9	496.7	495.1	495.1	495.9	496.7
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333189

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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°	13.5	12.5	12.9	12.6	12.6	12.5	11.9
90°	19.0	20.0	22.0	22.0	22.0	23.0	23.0
92.5°	128.4	96.6	81.9	69.1	66.7	65.3	63.7
95°	566.0	443.2	359.4	288.5	258.6	250.6	234.6
97.5°	962.5	842.9	726.3	664.7	608.7	579.8	567.0
100°	1179.0	1076.1	972.3	903.4	831.6	794.6	778.7
102.5°	1311.5	1262.2	1191.9	1118.3	1067.2	1027.0	1015.0
105°	1386.6	1430.5	1419.5	1387.6	1354.7	1334.7	1322.7
107.5°	1319.7	1432.5	1484.6	1500.8	1500.6	1494.0	1486.0
110°	1243.8	1384.6	1469.5	1514.4	1533.3	1540.3	1540.3



TEST NUMBER: P333189

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1168.8	1311.1	1411.2	1476.8	1509.4	1526.8	1533.9
115°	1061.2	1197.9	1306.7	1384.6	1432.5	1460.5	1473.5
117.5°	986.7	1104.5	1204.3	1282.2	1331.7	1359.4	1367.4
120°	944.4	1054.2	1142.0	1215.9	1263.8	1290.8	1298.8
122.5°	914.0	1011.8	1094.1	1160.0	1203.9	1230.9	1238.1
125°	873.5	960.3	1032.2	1088.1	1129.0	1151.0	1161.0
127.5°	834.8	915.8	983.1	1033.8	1069.9	1090.7	1095.1
130°	807.6	885.5	950.4	1000.3	1033.2	1053.2	1059.2
132.5°	782.0	852.7	915.2	965.1	998.1	1016.4	1023.2
135°	742.7	806.6	863.5	907.4	940.4	958.3	964.3
137.5°	707.6	760.7	809.0	848.3	878.3	894.9	901.4
140°	686.8	732.7	774.7	811.6	837.6	852.5	857.5
142.5°	669.2	708.8	745.1	776.5	798.4	812.6	816.8
145°	646.9	677.8	704.8	728.7	745.7	756.7	760.7
147.5°	628.3	652.1	672.4	691.4	705.0	711.4	713.2
150°	617.9	636.9	654.9	669.8	681.8	685.8	686.8
152.5°	607.5	624.9	638.9	651.5	661.1	665.0	666.0
155°	592.0	606.0	616.9	626.9	633.9	636.9	637.9
157.5°	577.2	588.0	596.6	604.4	610.1	612.9	612.7
160°	566.0	576.0	583.0	590.0	595.0	597.0	596.0
162.5°	556.4	564.8	571.0	576.4	580.6	581.0	580.8
165°	542.1	548.1	553.0	557.0	559.0	559.0	559.0
167.5°	528.1	532.7	536.3	538.3	540.1	539.3	539.1
170°	520.1	523.1	525.1	527.1	528.1	528.1	527.1
172.5°	512.9	515.1	516.3	516.7	518.5	516.9	515.9
175°	502.1	504.1	504.1	504.1	505.1	503.1	502.1
177.5°	497.5	497.5	497.5	496.7	497.5	495.1	495.1
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1

(END OF REPORT)