

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: P333198-830

Luminaire Tested: **S125DIP-S610D1205U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333198-830
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-S610D1205U830-4F0-1E-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: 6457.1 lumens
Efficiency: N/A
Efficacy: 130.7 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

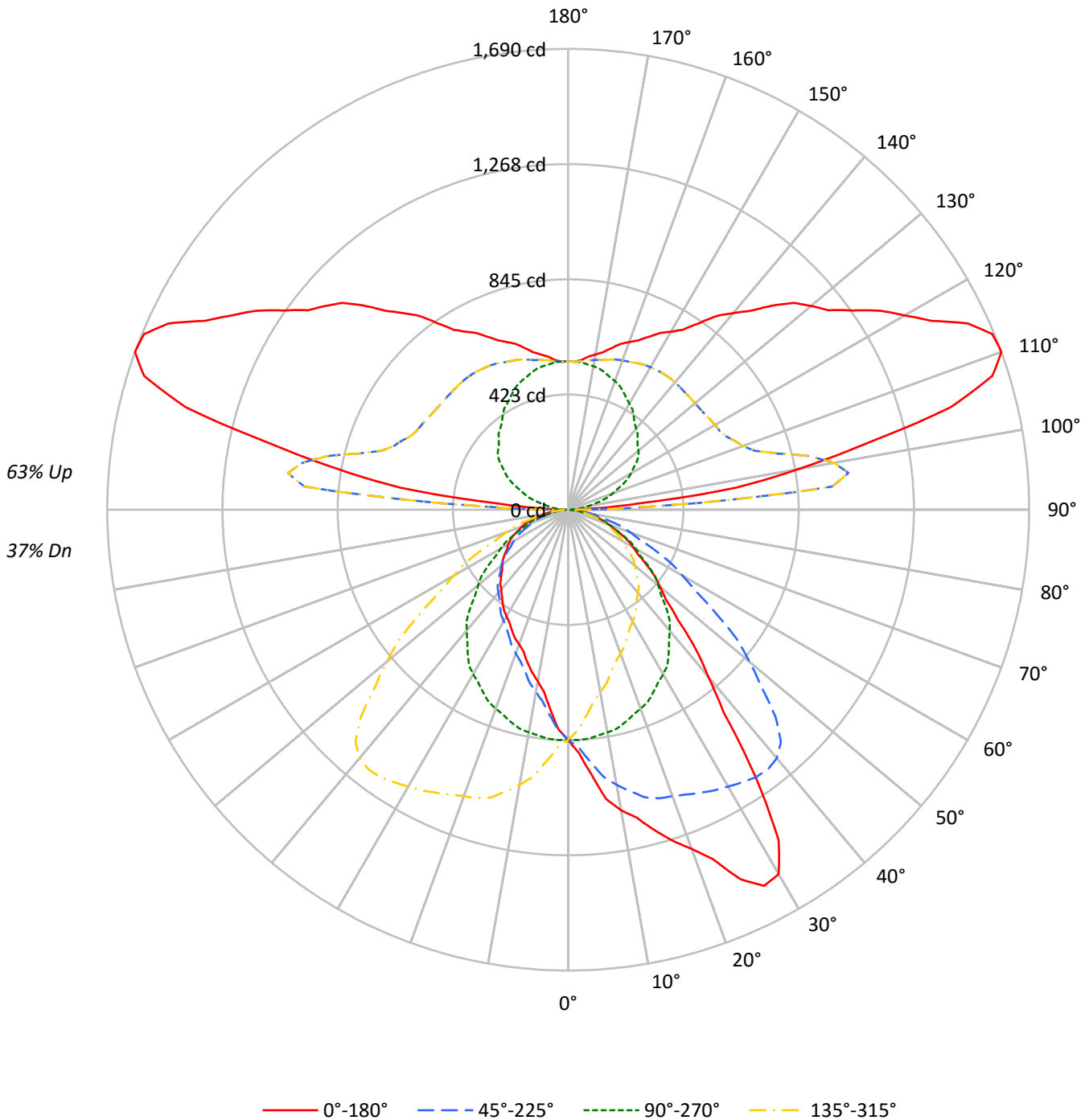
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	5448	5448	5448	5448
5°	6309	5466	4786	5466
10°	7340	5438	4194	5438
15°	8125	5398	3869	5398
20°	9095	5335	3608	5335
25°	10655	5264	3480	5264
30°	11508	5193	3370	5193
35°	9462	5062	3297	5062
40°	6726	4878	3217	4878
45°	5167	4631	3172	4631
50°	4410	4324	3166	4324
55°	3926	4023	3193	4023
60°	3543	3695	3274	3695
65°	3272	3365	3359	3365
70°	2974	3021	3408	3021
75°	2628	2662	3376	2662
80°	2213	2168	3087	2168
85°	1756	1564	2490	1564



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	1.3
10°-20°	241.8	3.7
20°-30°	392.6	6.1
30°-40°	478.9	7.4
40°-50°	435.7	6.7
50°-60°	347.0	5.4
60°-70°	241.7	3.7
70°-80°	128.9	2.0
80°-90°	35.6	0.6
90°-100°	393.7	6.1
100°-110°	846.4	13.1
110°-120°	794.4	12.3
120°-130°	643.8	10.0
130°-140°	516.6	8.0
140°-150°	389.9	6.0
150°-160°	274.4	4.3
160°-170°	161.8	2.5
170°-180°	52.6	0.8
0°-30°	715.6	11.1
0°-40°	1194.5	18.5
0°-60°	1977.3	30.6
0°-90°	2383.4	36.9
90°-120°	2034.5	31.5
90°-150°	3584.8	55.5
90°-180°	4074.0	63.1
0°-180°	6457.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	844	844	844	844	844	
5°	973	843	738	843	973	98
15°	1215	807	579	807	1215	348
25°	1495	739	488	739	1495	683
35°	1200	642	418	642	1200	735
45°	566	507	347	507	566	453
55°	349	357	284	357	349	314
65°	214	220	220	220	214	212
75°	105	107	135	107	105	113
85°	24	21	34	21	24	28
90°	25	1	25	1	25	18
95°	257	36	257	36	257	365
105°	1451	124	1451	124	1451	1442
115°	1616	221	1616	221	1616	1579
125°	1274	307	1274	307	1274	1152
135°	1058	359	1058	359	1058	820
145°	834	418	834	418	834	530
155°	700	478	700	478	700	326
165°	613	521	613	521	613	175
175°	551	542	551	542	551	54
180°	543	543	543	543	543	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	892.3	891.1	889.9	887.7	889.4	884.5	882.2	878.3	873.4	871.7	869.6
5°	973.2	975.0	976.8	969.2	970.0	965.0	953.5	944.1	936.7	927.0	920.2
7.5°	1070.5	1066.3	1066.0	1061.1	1052.7	1046.0	1034.0	1018.6	1003.8	986.9	973.0
10°	1119.3	1119.6	1116.4	1110.7	1101.7	1095.2	1079.5	1064.5	1046.2	1024.7	1009.4
12.5°	1155.9	1157.4	1153.4	1145.7	1141.2	1126.8	1114.5	1096.6	1074.9	1057.7	1034.3
15°	1215.2	1211.3	1208.4	1198.7	1191.2	1176.2	1156.5	1137.8	1114.3	1092.4	1070.5
17.5°	1272.3	1275.5	1270.2	1261.3	1238.0	1220.4	1194.0	1168.6	1139.1	1109.8	1083.7
20°	1323.3	1326.3	1318.0	1302.6	1274.7	1257.1	1222.4	1189.4	1155.5	1117.9	1089.2
22.5°	1387.0	1384.7	1373.6	1350.1	1326.0	1293.5	1255.9	1215.8	1173.2	1130.7	1092.6
25°	1495.2	1480.2	1473.4	1444.4	1412.5	1364.9	1313.3	1254.6	1201.6	1145.4	1096.7
27.5°	1555.2	1550.5	1542.9	1522.7	1489.2	1438.3	1377.5	1306.0	1231.1	1160.3	1096.5
30°	1543.2	1543.9	1544.6	1538.1	1516.7	1478.4	1417.9	1340.9	1252.1	1172.2	1098.5
32.5°	1436.6	1449.6	1462.2	1476.9	1482.9	1475.6	1437.7	1368.1	1276.8	1186.0	1097.3
35°	1200.1	1204.1	1244.6	1284.7	1339.1	1381.4	1409.7	1378.8	1301.8	1197.7	1096.0
37.5°	935.8	955.2	983.2	1028.5	1107.0	1177.3	1267.8	1309.4	1284.5	1201.5	1093.4
40°	797.8	815.7	833.9	880.1	946.3	1031.5	1134.3	1222.0	1242.5	1189.4	1084.9
42.5°	691.2	705.4	725.7	760.3	815.7	891.2	989.4	1104.0	1174.5	1154.5	1066.9
45°	565.7	574.7	590.4	618.0	658.1	717.2	803.8	929.2	1038.3	1074.5	1024.0
47.5°	484.2	484.2	496.4	515.5	544.4	594.6	658.6	756.9	873.5	959.8	955.7
50°	438.9	437.2	446.9	463.4	486.3	519.5	580.8	659.2	771.3	869.0	896.2
52.5°	400.0	400.2	406.1	418.3	437.5	466.0	511.7	582.4	678.2	778.4	829.7
55°	348.7	347.3	354.1	362.3	376.4	394.9	427.9	481.9	559.6	658.5	725.0
57.5°	301.8	305.7	308.4	314.1	325.7	338.2	366.0	405.7	467.3	552.1	622.5
60°	274.3	278.2	280.3	286.1	295.4	306.1	327.6	359.9	411.8	484.8	554.6
62.5°	249.6	252.7	253.4	258.5	266.2	276.6	293.5	320.6	361.7	425.5	493.9
65°	214.1	214.1	215.6	220.9	224.5	233.8	246.7	266.4	299.4	349.1	407.5
67.5°	179.8	181.6	181.3	183.6	186.9	194.2	203.4	219.6	244.0	280.3	327.1
70°	157.5	159.0	158.6	160.4	164.0	168.6	176.2	191.5	209.1	240.3	280.3
72.5°	137.5	138.1	137.1	139.5	141.7	145.7	154.1	162.3	178.7	205.0	238.0
75°	105.3	105.9	106.7	108.1	110.3	112.4	116.7	125.0	135.7	155.4	176.5
77.5°	78.9	77.6	79.3	79.1	80.3	81.9	85.7	90.1	98.9	111.3	127.7
80°	59.5	59.8	59.8	60.1	61.9	63.1	66.3	69.5	76.3	85.6	97.0
82.5°	43.4	44.3	43.7	44.4	45.9	46.7	48.4	51.1	55.0	62.4	70.7
85°	23.7	21.9	22.5	23.3	23.3	23.7	25.1	26.1	28.3	31.1	34.4
87.5°	11.9	12.4	12.5	12.5	12.8	12.4	13.3	13.1	13.8	14.4	15.1
90°	25.2	25.2	24.1	24.1	24.1	21.9	20.8	19.7	18.7	17.5	15.4
92.5°	69.8	71.6	73.1	75.8	89.8	106.0	140.8	194.1	285.9	353.1	358.8
95°	257.4	274.9	283.6	316.5	394.3	486.3	620.9	787.4	949.5	970.3	791.8
97.5°	622.1	636.1	667.9	729.2	796.8	924.8	1056.0	1172.7	1201.5	1036.2	707.1
100°	854.2	871.8	912.3	991.2	1066.7	1180.6	1293.5	1347.1	1262.7	988.9	630.8
102.5°	1113.6	1126.7	1170.7	1226.8	1307.7	1384.8	1438.9	1405.8	1226.0	905.7	573.0
105°	1451.1	1464.2	1486.2	1522.3	1557.4	1569.4	1521.3	1371.2	1108.3	794.0	516.9
107.5°	1630.3	1639.1	1646.3	1646.5	1628.8	1571.6	1447.8	1247.6	988.4	717.1	493.2
110°	1689.9	1689.9	1682.2	1661.4	1612.1	1519.0	1364.6	1156.5	919.9	681.2	486.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1682.9	1675.0	1656.0	1620.2	1548.1	1438.4	1282.2	1084.7	869.1	660.2	486.3
115°	1616.5	1602.2	1571.6	1519.0	1433.6	1314.2	1164.2	994.5	813.7	637.4	489.6
117.5°	1500.2	1491.5	1461.0	1406.7	1321.3	1211.7	1082.5	936.1	780.6	626.2	496.8
120°	1424.8	1416.1	1386.5	1334.0	1252.9	1156.5	1036.0	904.7	762.2	620.9	503.8
122.5°	1358.3	1350.4	1320.8	1272.6	1200.3	1110.1	1002.8	881.0	746.5	616.6	509.9
125°	1273.8	1262.7	1238.7	1193.7	1132.5	1053.6	958.3	846.6	725.0	611.1	520.2
127.5°	1201.5	1196.7	1173.8	1134.2	1078.6	1004.8	915.8	811.5	705.3	608.5	531.8
130°	1162.0	1155.5	1133.5	1097.4	1042.6	971.5	886.0	789.7	692.2	606.7	538.9
132.5°	1122.6	1115.1	1095.0	1058.9	1004.1	935.5	858.0	767.7	681.6	606.7	546.7
135°	1058.0	1051.4	1031.7	995.5	947.3	885.0	814.8	739.2	669.2	606.7	557.4
137.5°	988.9	981.8	963.6	930.7	887.6	834.5	776.3	715.2	658.0	608.0	567.3
140°	940.8	935.3	918.9	890.4	849.9	803.9	753.5	702.0	652.7	608.9	571.7
142.5°	896.1	891.5	875.9	851.9	817.5	777.6	734.2	690.6	648.4	609.8	574.3
145°	834.5	830.2	818.1	799.5	773.2	743.7	709.6	675.7	641.8	608.9	577.2
147.5°	782.4	780.4	773.5	758.6	737.7	715.4	689.3	661.8	635.0	606.1	578.2
150°	753.5	752.4	748.0	734.9	718.4	698.7	678.0	653.8	629.7	603.4	578.2
152.5°	730.8	729.6	725.2	714.7	701.0	685.6	666.6	645.1	623.6	599.9	577.4
155°	699.8	698.7	695.4	687.8	676.8	664.8	649.4	631.9	613.3	593.6	575.0
157.5°	672.2	672.4	669.4	663.0	654.5	645.1	633.2	618.8	603.7	587.0	572.1
160°	653.8	655.0	652.7	647.2	639.6	631.9	620.9	610.0	595.8	582.7	569.5
162.5°	637.2	637.4	637.0	632.4	626.4	619.6	610.5	600.4	588.8	577.4	566.8
165°	613.3	613.3	613.3	611.1	606.7	601.2	594.7	587.0	578.2	569.5	562.9
167.5°	591.4	591.6	592.5	590.5	588.3	584.4	579.4	574.3	568.0	561.8	556.8
170°	578.2	579.4	579.4	578.2	576.1	573.9	570.6	567.3	561.8	557.4	554.2
172.5°	566.0	567.1	568.8	566.8	566.5	565.1	562.7	559.4	555.7	552.2	550.6
175°	550.9	552.0	554.2	553.1	553.1	553.1	550.9	550.9	547.6	546.5	546.5
177.5°	543.2	543.2	545.8	545.0	545.8	545.8	545.8	545.0	544.1	543.2	543.2
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	867.9	865.9	863.7	859.6	854.7	852.2	848.2	845.6	840.4	836.1	831.5
5°	911.9	902.7	894.1	883.0	870.8	862.9	853.6	843.2	832.5	821.3	809.2
7.5°	957.5	941.1	923.2	903.9	885.1	867.8	851.2	835.0	819.8	801.4	785.9
10°	988.3	967.4	945.3	919.1	893.7	871.5	848.9	829.2	809.2	787.7	768.7
12.5°	1018.9	991.2	959.9	931.1	900.6	873.8	847.3	822.1	796.9	773.1	751.0
15°	1040.5	1016.2	987.1	946.3	911.9	875.1	840.0	807.4	776.9	750.5	722.6
17.5°	1054.7	1023.4	992.2	953.1	908.0	866.8	827.0	789.8	755.4	721.8	694.9
20°	1057.3	1025.1	992.5	954.2	908.0	860.7	821.0	776.3	739.3	704.6	671.7
22.5°	1056.5	1019.9	984.5	945.0	900.0	856.5	808.4	762.8	722.7	688.6	654.2
25°	1048.4	1009.4	965.0	925.2	880.8	834.6	785.9	738.7	697.9	658.8	624.8
27.5°	1041.6	991.0	940.8	894.4	851.5	809.2	762.6	714.2	668.9	629.3	597.3
30°	1033.3	977.8	921.2	872.9	828.9	787.7	743.7	696.4	649.1	610.5	576.1
32.5°	1025.9	961.2	901.5	848.9	802.3	762.2	721.6	676.7	630.3	591.0	556.7
35°	1011.5	936.7	868.3	808.8	759.0	717.9	683.9	642.0	599.4	561.4	528.5
37.5°	993.3	904.5	831.0	768.7	714.2	670.8	639.1	607.0	566.1	529.5	499.7
40°	978.9	881.6	803.8	740.1	683.5	638.4	609.1	578.6	544.6	510.6	479.1
42.5°	960.8	860.9	776.3	707.8	651.8	607.8	576.9	551.1	521.1	489.4	460.1
45°	927.7	823.5	731.9	658.1	601.5	558.2	526.3	507.0	484.5	454.4	429.7
47.5°	878.9	778.6	683.8	607.7	549.3	509.2	479.3	460.7	444.9	422.5	400.1
50°	835.7	745.1	649.1	573.6	515.2	474.8	447.2	430.4	416.8	399.5	380.6
52.5°	787.3	702.9	615.1	540.4	482.6	442.7	415.7	400.9	389.6	377.2	358.5
55°	710.4	638.8	557.1	486.3	432.9	393.9	370.2	357.3	348.0	338.7	327.3
57.5°	625.7	569.7	497.3	432.5	383.4	347.9	325.8	313.3	306.0	301.2	294.5
60°	566.1	518.1	455.8	396.7	348.7	317.3	295.8	286.1	280.0	276.1	271.1
62.5°	510.8	471.4	413.7	359.8	317.8	288.0	268.8	259.5	253.6	251.8	247.5
65°	429.3	398.9	351.3	306.5	270.7	245.2	229.1	220.2	216.6	214.4	214.8
67.5°	349.0	330.5	292.3	254.1	225.5	204.2	191.2	184.4	182.6	179.7	179.6
70°	300.0	286.1	253.8	220.6	195.1	178.7	167.2	160.0	158.3	156.8	156.5
72.5°	256.7	244.6	216.6	189.9	167.1	152.6	143.2	138.8	135.9	135.1	135.0
75°	193.0	186.2	164.0	142.9	127.1	117.1	110.7	106.7	104.5	104.2	104.5
77.5°	137.2	131.3	117.2	102.2	92.3	84.6	79.2	77.9	75.4	75.5	75.1
80°	103.1	99.2	90.2	78.4	70.2	63.7	60.9	58.3	57.7	56.6	57.7
82.5°	74.7	70.5	64.5	56.9	50.1	46.3	43.4	42.6	42.1	41.7	41.8
85°	36.9	37.2	33.6	27.9	25.1	22.9	21.1	21.1	20.7	20.5	20.7
87.5°	15.5	14.4	13.1	11.8	9.9	8.6	7.9	7.9	7.4	7.4	8.2
90°	14.2	12.1	10.9	8.8	6.6	4.3	2.2	1.1	2.2	4.3	6.6
92.5°	250.0	149.6	89.8	57.9	39.0	25.4	16.2	13.4	16.2	25.4	39.0
95°	489.6	248.6	131.4	82.1	58.1	46.0	37.2	36.1	37.2	46.0	58.1
97.5°	390.8	214.2	136.7	101.2	79.6	67.5	61.4	60.0	61.4	67.5	79.6
100°	354.9	212.4	148.9	116.1	95.3	83.2	78.9	76.6	78.9	83.2	95.3
102.5°	340.0	220.4	163.8	131.9	112.8	99.9	96.4	95.1	96.4	99.9	112.8
105°	334.0	236.6	188.4	157.7	140.2	129.2	123.8	123.8	123.8	129.2	140.2
107.5°	344.1	260.6	214.0	186.4	168.2	159.2	154.0	151.7	154.0	159.2	168.2
110°	353.7	278.1	233.3	204.8	188.4	178.5	174.2	171.9	174.2	178.5	188.4



TEST NUMBER: P333198-830

CATALOG NUMBER: S125DIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	366.0	294.8	251.7	224.0	207.6	197.7	194.3	192.1	194.3	197.7	207.6
115°	384.4	320.9	280.4	253.0	236.6	226.7	223.4	221.2	223.4	226.7	236.6
117.5°	405.5	347.6	309.2	282.8	264.2	254.3	250.8	247.5	250.8	254.3	264.2
120°	419.4	366.9	328.6	301.1	282.6	272.7	268.3	265.0	268.3	272.7	282.6
122.5°	435.3	385.3	346.9	319.6	299.2	289.4	285.9	283.4	285.9	289.4	299.2
125°	456.7	409.6	373.4	345.0	324.1	314.3	308.9	306.6	308.9	314.3	324.1
127.5°	476.5	433.0	398.2	369.8	347.6	335.2	328.1	324.8	328.1	335.2	347.6
130°	489.6	447.9	414.0	385.5	362.5	348.3	339.5	336.2	339.5	348.3	362.5
132.5°	501.0	461.9	428.0	399.5	375.7	359.7	349.1	345.0	349.1	359.7	375.7
135°	516.9	480.8	446.9	417.3	394.3	376.7	363.6	359.2	363.6	376.7	394.3
137.5°	528.8	494.2	463.3	432.8	410.3	392.8	380.5	377.2	380.5	392.8	410.3
140°	536.7	503.8	472.0	442.4	421.7	404.2	391.0	387.7	391.0	404.2	421.7
142.5°	541.0	509.9	479.9	452.1	432.2	414.6	402.4	399.9	402.4	414.6	432.2
145°	547.6	520.2	491.7	466.6	446.9	431.5	420.6	418.4	420.6	431.5	446.9
147.5°	551.6	526.8	501.8	479.7	462.6	448.4	438.9	437.6	438.9	448.4	462.6
150°	554.2	531.1	507.1	488.4	473.2	458.9	451.2	449.0	451.2	458.9	473.2
152.5°	555.9	535.6	513.2	496.3	481.9	469.4	462.6	461.3	462.6	469.4	481.9
155°	557.4	539.9	521.3	506.0	495.0	484.1	477.5	477.5	477.5	484.1	495.0
157.5°	558.6	543.7	527.6	516.0	506.4	497.0	491.7	492.0	491.7	497.0	506.4
160°	558.6	545.4	531.1	521.3	512.6	504.9	500.5	501.6	500.5	504.9	512.6
162.5°	557.7	547.1	534.7	526.6	519.5	512.7	508.4	509.4	508.4	512.7	519.5
165°	556.4	547.6	538.9	532.3	527.9	522.5	519.2	521.3	519.2	522.5	527.9
167.5°	553.7	547.6	540.4	536.2	533.1	530.1	528.1	529.2	528.1	530.1	533.1
170°	552.0	547.6	542.2	538.9	536.7	534.4	533.4	534.4	533.4	534.4	536.7
172.5°	550.3	546.7	542.2	540.5	539.2	537.1	536.0	538.0	536.0	537.1	539.2
175°	547.6	545.4	542.2	542.2	542.2	541.0	539.9	542.2	539.9	541.0	542.2
177.5°	545.0	544.1	542.3	542.3	543.2	542.3	542.3	544.1	542.3	542.3	543.2
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333198-830

CATALOG NUMBER: S125DIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	829.0	825.8	823.2	817.5	814.4	810.0	806.6	810.3	806.3	808.0	805.5
5°	803.1	793.1	785.9	775.5	766.6	758.4	752.2	751.2	748.3	746.9	742.6
7.5°	772.0	759.5	747.2	733.6	722.1	710.5	702.9	696.8	692.8	687.4	683.7
10°	753.7	736.9	722.6	706.1	691.7	679.2	669.2	664.2	659.5	652.7	650.3
12.5°	731.0	713.7	696.2	678.5	664.9	650.8	642.2	634.7	631.5	623.8	623.0
15°	703.9	677.8	660.6	642.7	623.7	612.3	605.1	596.9	593.3	588.0	584.0
17.5°	671.6	648.2	626.7	608.2	591.9	582.3	573.3	567.7	561.6	558.1	551.6
20°	648.1	625.8	604.4	584.7	572.1	561.1	553.9	548.6	542.1	540.3	533.9
22.5°	628.3	603.8	583.2	566.7	553.0	540.5	532.7	529.0	524.6	519.1	517.8
25°	596.2	570.7	553.2	536.7	524.5	513.1	507.7	503.0	498.8	494.8	493.4
27.5°	568.4	545.6	524.8	509.9	499.4	488.9	484.2	478.5	475.3	472.2	468.3
30°	548.9	525.7	507.4	493.0	481.5	472.3	467.2	463.4	460.4	457.6	455.4
32.5°	528.9	507.3	489.6	475.6	464.1	457.1	452.6	449.9	446.7	443.3	440.5
35°	502.4	478.7	461.6	449.3	440.4	435.0	430.0	427.5	424.0	424.0	421.0
37.5°	472.5	452.0	436.9	425.7	417.7	412.9	407.6	405.9	403.5	402.0	401.1
40°	454.7	435.7	421.4	410.3	401.7	397.8	393.5	390.6	389.2	387.4	386.7
42.5°	436.4	418.3	404.5	394.3	386.8	383.4	379.5	377.5	374.6	372.2	371.8
45°	408.5	391.0	378.4	370.2	363.8	359.9	357.3	353.1	351.6	348.7	348.4
47.5°	382.1	365.2	353.0	346.2	340.5	337.3	333.4	329.1	327.4	326.0	325.9
50°	362.3	346.9	335.5	329.0	323.7	319.1	315.1	312.3	311.1	311.1	311.9
52.5°	342.3	329.2	319.4	311.6	306.5	301.5	297.9	296.1	294.5	296.2	297.6
55°	312.9	299.7	292.6	285.0	280.0	274.3	272.5	271.7	270.7	273.5	274.9
57.5°	281.8	272.6	264.2	256.7	252.2	248.9	246.5	246.1	248.1	249.4	254.1
60°	262.1	251.4	243.8	238.1	232.7	230.5	229.9	229.1	230.5	234.5	240.6
62.5°	240.3	231.6	223.5	219.2	215.3	211.7	211.5	212.0	214.8	219.3	225.5
65°	208.4	200.9	195.5	190.5	187.3	185.1	185.9	187.3	190.5	196.6	203.4
67.5°	176.0	170.8	166.0	161.9	158.8	158.8	159.6	161.7	165.5	172.5	178.7
70°	155.0	149.3	145.3	143.5	141.1	139.7	141.8	145.3	148.5	155.0	160.4
72.5°	134.1	129.2	126.2	125.0	123.9	122.7	123.5	127.3	131.7	138.2	144.4
75°	103.1	101.3	99.2	97.7	96.7	97.4	98.1	101.7	105.3	112.1	119.2
77.5°	75.3	73.4	72.1	71.7	71.2	71.5	73.5	76.2	79.7	84.6	90.1
80°	56.9	56.2	55.5	55.1	55.1	55.5	58.3	60.1	63.3	68.1	72.3
82.5°	41.5	41.0	40.9	40.8	41.1	41.2	42.9	45.2	47.9	51.5	55.1
85°	21.9	21.1	22.2	22.5	21.9	22.9	23.7	25.1	26.1	27.9	29.7
87.5°	9.0	9.9	9.9	10.6	10.8	11.8	11.8	13.1	13.9	14.7	14.8
90°	8.8	10.9	12.1	14.2	15.4	17.5	18.7	19.7	20.8	21.9	24.1
92.5°	57.9	89.8	149.6	250.0	358.8	353.1	285.9	194.1	140.8	106.0	89.8
95°	82.1	131.4	248.6	489.6	791.8	970.3	949.5	787.4	620.9	486.3	394.3
97.5°	101.2	136.7	214.2	390.8	707.1	1036.2	1201.5	1172.7	1056.0	924.8	796.8
100°	116.1	148.9	212.4	354.9	630.8	988.9	1262.7	1347.1	1293.5	1180.6	1066.7
102.5°	131.9	163.8	220.4	340.0	573.0	905.7	1226.0	1405.8	1438.9	1384.8	1307.7
105°	157.7	188.4	236.6	334.0	516.9	794.0	1108.3	1371.2	1521.3	1569.4	1557.4
107.5°	186.4	214.0	260.6	344.1	493.2	717.1	988.4	1247.6	1447.8	1571.6	1628.8
110°	204.8	233.3	278.1	353.7	486.3	681.2	919.9	1156.5	1364.6	1519.0	1612.1



TEST NUMBER: P333198-830

CATALOG NUMBER: S125DIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	224.0	251.7	294.8	366.0	486.3	660.2	869.1	1084.7	1282.2	1438.4	1548.1
115°	253.0	280.4	320.9	384.4	489.6	637.4	813.7	994.5	1164.2	1314.2	1433.6
117.5°	282.8	309.2	347.6	405.5	496.8	626.2	780.6	936.1	1082.5	1211.7	1321.3
120°	301.1	328.6	366.9	419.4	503.8	620.9	762.2	904.7	1036.0	1156.5	1252.9
122.5°	319.6	346.9	385.3	435.3	509.9	616.6	746.5	881.0	1002.8	1110.1	1200.3
125°	345.0	373.4	409.6	456.7	520.2	611.1	725.0	846.6	958.3	1053.6	1132.5
127.5°	369.8	398.2	433.0	476.5	531.8	608.5	705.3	811.5	915.8	1004.8	1078.6
130°	385.5	414.0	447.9	489.6	538.9	606.7	692.2	789.7	886.0	971.5	1042.6
132.5°	399.5	428.0	461.9	501.0	546.7	606.7	681.6	767.7	858.0	935.5	1004.1
135°	417.3	446.9	480.8	516.9	557.4	606.7	669.2	739.2	814.8	885.0	947.3
137.5°	432.8	463.3	494.2	528.8	567.3	608.0	658.0	715.2	776.3	834.5	887.6
140°	442.4	472.0	503.8	536.7	571.7	608.9	652.7	702.0	753.5	803.9	849.9
142.5°	452.1	479.9	509.9	541.0	574.3	609.8	648.4	690.6	734.2	777.6	817.5
145°	466.6	491.7	520.2	547.6	577.2	608.9	641.8	675.7	709.6	743.7	773.2
147.5°	479.7	501.8	526.8	551.6	578.2	606.1	635.0	661.8	689.3	715.4	737.7
150°	488.4	507.1	531.1	554.2	578.2	603.4	629.7	653.8	678.0	698.7	718.4
152.5°	496.3	513.2	535.6	555.9	577.4	599.9	623.6	645.1	666.6	685.6	701.0
155°	506.0	521.3	539.9	557.4	575.0	593.6	613.3	631.9	649.4	664.8	676.8
157.5°	516.0	527.6	543.7	558.6	572.1	587.0	603.7	618.8	633.2	645.1	654.5
160°	521.3	531.1	545.4	558.6	569.5	582.7	595.8	610.0	620.9	631.9	639.6
162.5°	526.6	534.7	547.1	557.7	566.8	577.4	588.8	600.4	610.5	619.6	626.4
165°	532.3	538.9	547.6	556.4	562.9	569.5	578.2	587.0	594.7	601.2	606.7
167.5°	536.2	540.4	547.6	553.7	556.8	561.8	568.0	574.3	579.4	584.4	588.3
170°	538.9	542.2	547.6	552.0	554.2	557.4	561.8	567.3	570.6	573.9	576.1
172.5°	540.5	542.2	546.7	550.3	550.6	552.2	555.7	559.4	562.7	565.1	566.5
175°	542.2	542.2	545.4	547.6	546.5	546.5	547.6	550.9	550.9	553.1	553.1
177.5°	542.3	542.3	544.1	545.0	543.2	543.2	544.1	545.0	545.8	545.8	545.8
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333198-830

CATALOG NUMBER: S125DIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	803.7	805.8	804.1	806.3	804.1	805.8	803.7	805.5	808.0	806.3	810.3
5°	740.8	737.5	739.7	738.3	739.7	737.5	740.8	742.6	746.9	748.3	751.2
7.5°	682.7	679.6	676.1	674.4	676.1	679.6	682.7	683.7	687.4	692.8	696.8
10°	646.3	642.3	642.0	639.5	642.0	642.3	646.3	650.3	652.7	659.5	664.2
12.5°	619.6	616.0	611.9	610.9	611.9	616.0	619.6	623.0	623.8	631.5	634.7
15°	581.8	579.0	576.5	578.6	576.5	579.0	581.8	584.0	588.0	593.3	596.9
17.5°	550.4	548.0	547.6	545.0	547.6	548.0	550.4	551.6	558.1	561.6	567.7
20°	530.7	528.9	529.5	524.9	529.5	528.9	530.7	533.9	540.3	542.1	548.6
22.5°	514.9	511.3	511.0	510.0	511.0	511.3	514.9	517.8	519.1	524.6	529.0
25°	490.2	488.4	486.6	488.4	486.6	488.4	490.2	493.4	494.8	498.8	503.0
27.5°	468.6	466.5	466.0	466.2	466.0	466.5	468.6	468.3	472.2	475.3	478.5
30°	455.4	451.9	452.2	451.9	452.2	451.9	455.4	455.4	457.6	460.4	463.4
32.5°	441.1	438.7	438.2	437.5	438.2	438.7	441.1	440.5	443.3	446.7	449.9
35°	420.0	420.0	418.2	418.2	418.2	420.0	420.0	421.0	424.0	424.0	427.5
37.5°	400.1	399.8	398.7	398.9	398.7	399.8	400.1	401.1	402.0	403.5	405.9
40°	385.2	384.9	383.8	381.6	383.8	384.9	385.2	386.7	387.4	389.2	390.6
42.5°	371.0	369.8	369.2	368.5	369.2	369.8	371.0	371.8	372.2	374.6	377.5
45°	348.4	348.4	347.7	347.3	347.7	348.4	348.4	348.4	348.7	351.6	353.1
47.5°	326.5	327.2	328.5	328.3	328.5	327.2	326.5	325.9	326.0	327.4	329.1
50°	313.3	313.7	314.7	315.1	314.7	313.7	313.3	311.9	311.1	311.1	312.3
52.5°	298.7	300.8	302.1	301.9	302.1	300.8	298.7	297.6	296.2	294.5	296.1
55°	278.2	280.7	283.2	283.6	283.2	280.7	278.2	274.9	273.5	270.7	271.7
57.5°	258.0	261.5	264.1	264.9	264.1	261.5	258.0	254.1	249.4	248.1	246.1
60°	244.2	248.8	252.0	253.5	252.0	248.8	244.2	240.6	234.5	230.5	229.1
62.5°	231.0	236.2	239.5	239.8	239.5	236.2	231.0	225.5	219.3	214.8	212.0
65°	209.4	214.8	217.7	219.8	217.7	214.8	209.4	203.4	196.6	190.5	187.3
67.5°	186.2	191.6	194.8	196.5	194.8	191.6	186.2	178.7	172.5	165.5	161.7
70°	169.4	174.7	179.0	180.5	179.0	174.7	169.4	160.4	155.0	148.5	145.3
72.5°	152.8	157.5	161.0	162.7	161.0	157.5	152.8	144.4	138.2	131.7	127.3
75°	123.9	130.4	133.6	135.3	133.6	130.4	123.9	119.2	112.1	105.3	101.7
77.5°	95.6	101.4	103.3	104.2	103.3	101.4	95.6	90.1	84.6	79.7	76.2
80°	76.6	80.2	82.8	83.0	82.8	80.2	76.6	72.3	68.1	63.3	60.1
82.5°	58.9	61.8	62.7	63.6	62.7	61.8	58.9	55.1	51.5	47.9	45.2
85°	32.2	33.6	34.0	33.6	34.0	33.6	32.2	29.7	27.9	26.1	25.1
87.5°	15.5	15.2	15.4	15.9	15.4	15.2	15.5	14.8	14.7	13.9	13.1
90°	24.1	24.1	25.2	25.2	25.2	24.1	24.1	24.1	21.9	20.8	19.7
92.5°	75.8	73.1	71.6	69.8	71.6	73.1	75.8	89.8	106.0	140.8	194.1
95°	316.5	283.6	274.9	257.4	274.9	283.6	316.5	394.3	486.3	620.9	787.4
97.5°	729.2	667.9	636.1	622.1	636.1	667.9	729.2	796.8	924.8	1056.0	1172.7
100°	991.2	912.3	871.8	854.2	871.8	912.3	991.2	1066.7	1180.6	1293.5	1347.1
102.5°	1226.8	1170.7	1126.7	1113.6	1126.7	1170.7	1226.8	1307.7	1384.8	1438.9	1405.8
105°	1522.3	1486.2	1464.2	1451.1	1464.2	1486.2	1522.3	1557.4	1569.4	1521.3	1371.2
107.5°	1646.5	1646.3	1639.1	1630.3	1639.1	1646.3	1646.5	1628.8	1571.6	1447.8	1247.6
110°	1661.4	1682.2	1689.9	1689.9	1689.9	1682.2	1661.4	1612.1	1519.0	1364.6	1156.5



TEST NUMBER: P333198-830

CATALOG NUMBER: S125DIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1620.2	1656.0	1675.0	1682.9	1675.0	1656.0	1620.2	1548.1	1438.4	1282.2	1084.7
115°	1519.0	1571.6	1602.2	1616.5	1602.2	1571.6	1519.0	1433.6	1314.2	1164.2	994.5
117.5°	1406.7	1461.0	1491.5	1500.2	1491.5	1461.0	1406.7	1321.3	1211.7	1082.5	936.1
120°	1334.0	1386.5	1416.1	1424.8	1416.1	1386.5	1334.0	1252.9	1156.5	1036.0	904.7
122.5°	1272.6	1320.8	1350.4	1358.3	1350.4	1320.8	1272.6	1200.3	1110.1	1002.8	881.0
125°	1193.7	1238.7	1262.7	1273.8	1262.7	1238.7	1193.7	1132.5	1053.6	958.3	846.6
127.5°	1134.2	1173.8	1196.7	1201.5	1196.7	1173.8	1134.2	1078.6	1004.8	915.8	811.5
130°	1097.4	1133.5	1155.5	1162.0	1155.5	1133.5	1097.4	1042.6	971.5	886.0	789.7
132.5°	1058.9	1095.0	1115.1	1122.6	1115.1	1095.0	1058.9	1004.1	935.5	858.0	767.7
135°	995.5	1031.7	1051.4	1058.0	1051.4	1031.7	995.5	947.3	885.0	814.8	739.2
137.5°	930.7	963.6	981.8	988.9	981.8	963.6	930.7	887.6	834.5	776.3	715.2
140°	890.4	918.9	935.3	940.8	935.3	918.9	890.4	849.9	803.9	753.5	702.0
142.5°	851.9	875.9	891.5	896.1	891.5	875.9	851.9	817.5	777.6	734.2	690.6
145°	799.5	818.1	830.2	834.5	830.2	818.1	799.5	773.2	743.7	709.6	675.7
147.5°	758.6	773.5	780.4	782.4	780.4	773.5	758.6	737.7	715.4	689.3	661.8
150°	734.9	748.0	752.4	753.5	752.4	748.0	734.9	718.4	698.7	678.0	653.8
152.5°	714.7	725.2	729.6	730.8	729.6	725.2	714.7	701.0	685.6	666.6	645.1
155°	687.8	695.4	698.7	699.8	698.7	695.4	687.8	676.8	664.8	649.4	631.9
157.5°	663.0	669.4	672.4	672.2	672.4	669.4	663.0	654.5	645.1	633.2	618.8
160°	647.2	652.7	655.0	653.8	655.0	652.7	647.2	639.6	631.9	620.9	610.0
162.5°	632.4	637.0	637.4	637.2	637.4	637.0	632.4	626.4	619.6	610.5	600.4
165°	611.1	613.3	613.3	613.3	613.3	613.3	611.1	606.7	601.2	594.7	587.0
167.5°	590.5	592.5	591.6	591.4	591.6	592.5	590.5	588.3	584.4	579.4	574.3
170°	578.2	579.4	579.4	578.2	579.4	579.4	578.2	576.1	573.9	570.6	567.3
172.5°	566.8	568.8	567.1	566.0	567.1	568.8	566.8	566.5	565.1	562.7	559.4
175°	553.1	554.2	552.0	550.9	552.0	554.2	553.1	553.1	553.1	550.9	550.9
177.5°	545.0	545.8	543.2	543.2	543.2	545.8	545.0	545.8	545.8	545.8	545.0
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333198-830

CATALOG NUMBER: S125DIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	806.6	810.0	814.4	817.5	823.2	825.8	829.0	831.5	836.1	840.4	845.6
5°	752.2	758.4	766.6	775.5	785.9	793.1	803.1	809.2	821.3	832.5	843.2
7.5°	702.9	710.5	722.1	733.6	747.2	759.5	772.0	785.9	801.4	819.8	835.0
10°	669.2	679.2	691.7	706.1	722.6	736.9	753.7	768.7	787.7	809.2	829.2
12.5°	642.2	650.8	664.9	678.5	696.2	713.7	731.0	751.0	773.1	796.9	822.1
15°	605.1	612.3	623.7	642.7	660.6	677.8	703.9	722.6	750.5	776.9	807.4
17.5°	573.3	582.3	591.9	608.2	626.7	648.2	671.6	694.9	721.8	755.4	789.8
20°	553.9	561.1	572.1	584.7	604.4	625.8	648.1	671.7	704.6	739.3	776.3
22.5°	532.7	540.5	553.0	566.7	583.2	603.8	628.3	654.2	688.6	722.7	762.8
25°	507.7	513.1	524.5	536.7	553.2	570.7	596.2	624.8	658.8	697.9	738.7
27.5°	484.2	488.9	499.4	509.9	524.8	545.6	568.4	597.3	629.3	668.9	714.2
30°	467.2	472.3	481.5	493.0	507.4	525.7	548.9	576.1	610.5	649.1	696.4
32.5°	452.6	457.1	464.1	475.6	489.6	507.3	528.9	556.7	591.0	630.3	676.7
35°	430.0	435.0	440.4	449.3	461.6	478.7	502.4	528.5	561.4	599.4	642.0
37.5°	407.6	412.9	417.7	425.7	436.9	452.0	472.5	499.7	529.5	566.1	607.0
40°	393.5	397.8	401.7	410.3	421.4	435.7	454.7	479.1	510.6	544.6	578.6
42.5°	379.5	383.4	386.8	394.3	404.5	418.3	436.4	460.1	489.4	521.1	551.1
45°	357.3	359.9	363.8	370.2	378.4	391.0	408.5	429.7	454.4	484.5	507.0
47.5°	333.4	337.3	340.5	346.2	353.0	365.2	382.1	400.1	422.5	444.9	460.7
50°	315.1	319.1	323.7	329.0	335.5	346.9	362.3	380.6	399.5	416.8	430.4
52.5°	297.9	301.5	306.5	311.6	319.4	329.2	342.3	358.5	377.2	389.6	400.9
55°	272.5	274.3	280.0	285.0	292.6	299.7	312.9	327.3	338.7	348.0	357.3
57.5°	246.5	248.9	252.2	256.7	264.2	272.6	281.8	294.5	301.2	306.0	313.3
60°	229.9	230.5	232.7	238.1	243.8	251.4	262.1	271.1	276.1	280.0	286.1
62.5°	211.5	211.7	215.3	219.2	223.5	231.6	240.3	247.5	251.8	253.6	259.5
65°	185.9	185.1	187.3	190.5	195.5	200.9	208.4	214.8	214.4	216.6	220.2
67.5°	159.6	158.8	158.8	161.9	166.0	170.8	176.0	179.6	179.7	182.6	184.4
70°	141.8	139.7	141.1	143.5	145.3	149.3	155.0	156.5	156.8	158.3	160.0
72.5°	123.5	122.7	123.9	125.0	126.2	129.2	134.1	135.0	135.1	135.9	138.8
75°	98.1	97.4	96.7	97.7	99.2	101.3	103.1	104.5	104.2	104.5	106.7
77.5°	73.5	71.5	71.2	71.7	72.1	73.4	75.3	75.1	75.5	75.4	77.9
80°	58.3	55.5	55.1	55.1	55.5	56.2	56.9	57.7	56.6	57.7	58.3
82.5°	42.9	41.2	41.1	40.8	40.9	41.0	41.5	41.8	41.7	42.1	42.6
85°	23.7	22.9	21.9	22.5	22.2	21.1	21.9	20.7	20.5	20.7	21.1
87.5°	11.8	11.8	10.8	10.6	9.9	9.9	9.0	8.2	7.4	7.4	7.9
90°	18.7	17.5	15.4	14.2	12.1	10.9	8.8	6.6	4.3	2.2	1.1
92.5°	285.9	353.1	358.8	250.0	149.6	89.8	57.9	39.0	25.4	16.2	13.4
95°	949.5	970.3	791.8	489.6	248.6	131.4	82.1	58.1	46.0	37.2	36.1
97.5°	1201.5	1036.2	707.1	390.8	214.2	136.7	101.2	79.6	67.5	61.4	60.0
100°	1262.7	988.9	630.8	354.9	212.4	148.9	116.1	95.3	83.2	78.9	76.6
102.5°	1226.0	905.7	573.0	340.0	220.4	163.8	131.9	112.8	99.9	96.4	95.1
105°	1108.3	794.0	516.9	334.0	236.6	188.4	157.7	140.2	129.2	123.8	123.8
107.5°	988.4	717.1	493.2	344.1	260.6	214.0	186.4	168.2	159.2	154.0	151.7
110°	919.9	681.2	486.3	353.7	278.1	233.3	204.8	188.4	178.5	174.2	171.9



TEST NUMBER: P333198-830

CATALOG NUMBER: S125DIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	869.1	660.2	486.3	366.0	294.8	251.7	224.0	207.6	197.7	194.3	192.1
115°	813.7	637.4	489.6	384.4	320.9	280.4	253.0	236.6	226.7	223.4	221.2
117.5°	780.6	626.2	496.8	405.5	347.6	309.2	282.8	264.2	254.3	250.8	247.5
120°	762.2	620.9	503.8	419.4	366.9	328.6	301.1	282.6	272.7	268.3	265.0
122.5°	746.5	616.6	509.9	435.3	385.3	346.9	319.6	299.2	289.4	285.9	283.4
125°	725.0	611.1	520.2	456.7	409.6	373.4	345.0	324.1	314.3	308.9	306.6
127.5°	705.3	608.5	531.8	476.5	433.0	398.2	369.8	347.6	335.2	328.1	324.8
130°	692.2	606.7	538.9	489.6	447.9	414.0	385.5	362.5	348.3	339.5	336.2
132.5°	681.6	606.7	546.7	501.0	461.9	428.0	399.5	375.7	359.7	349.1	345.0
135°	669.2	606.7	557.4	516.9	480.8	446.9	417.3	394.3	376.7	363.6	359.2
137.5°	658.0	608.0	567.3	528.8	494.2	463.3	432.8	410.3	392.8	380.5	377.2
140°	652.7	608.9	571.7	536.7	503.8	472.0	442.4	421.7	404.2	391.0	387.7
142.5°	648.4	609.8	574.3	541.0	509.9	479.9	452.1	432.2	414.6	402.4	399.9
145°	641.8	608.9	577.2	547.6	520.2	491.7	466.6	446.9	431.5	420.6	418.4
147.5°	635.0	606.1	578.2	551.6	526.8	501.8	479.7	462.6	448.4	438.9	437.6
150°	629.7	603.4	578.2	554.2	531.1	507.1	488.4	473.2	458.9	451.2	449.0
152.5°	623.6	599.9	577.4	555.9	535.6	513.2	496.3	481.9	469.4	462.6	461.3
155°	613.3	593.6	575.0	557.4	539.9	521.3	506.0	495.0	484.1	477.5	477.5
157.5°	603.7	587.0	572.1	558.6	543.7	527.6	516.0	506.4	497.0	491.7	492.0
160°	595.8	582.7	569.5	558.6	545.4	531.1	521.3	512.6	504.9	500.5	501.6
162.5°	588.8	577.4	566.8	557.7	547.1	534.7	526.6	519.5	512.7	508.4	509.4
165°	578.2	569.5	562.9	556.4	547.6	538.9	532.3	527.9	522.5	519.2	521.3
167.5°	568.0	561.8	556.8	553.7	547.6	540.4	536.2	533.1	530.1	528.1	529.2
170°	561.8	557.4	554.2	552.0	547.6	542.2	538.9	536.7	534.4	533.4	534.4
172.5°	555.7	552.2	550.6	550.3	546.7	542.2	540.5	539.2	537.1	536.0	538.0
175°	547.6	546.5	546.5	547.6	545.4	542.2	542.2	542.2	541.0	539.9	542.2
177.5°	544.1	543.2	543.2	545.0	544.1	542.3	542.3	543.2	542.3	542.3	544.1
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333198-830

CATALOG NUMBER: S125DIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	848.2	852.2	854.7	859.6	863.7	865.9	867.9	869.6	871.7	873.4	878.3
5°	853.6	862.9	870.8	883.0	894.1	902.7	911.9	920.2	927.0	936.7	944.1
7.5°	851.2	867.8	885.1	903.9	923.2	941.1	957.5	973.0	986.9	1003.8	1018.6
10°	848.9	871.5	893.7	919.1	945.3	967.4	988.3	1009.4	1024.7	1046.2	1064.5
12.5°	847.3	873.8	900.6	931.1	959.9	991.2	1018.9	1034.3	1057.7	1074.9	1096.6
15°	840.0	875.1	911.9	946.3	987.1	1016.2	1040.5	1070.5	1092.4	1114.3	1137.8
17.5°	827.0	866.8	908.0	953.1	992.2	1023.4	1054.7	1083.7	1109.8	1139.1	1168.6
20°	821.0	860.7	908.0	954.2	992.5	1025.1	1057.3	1089.2	1117.9	1155.5	1189.4
22.5°	808.4	856.5	900.0	945.0	984.5	1019.9	1056.5	1092.6	1130.7	1173.2	1215.8
25°	785.9	834.6	880.8	925.2	965.0	1009.4	1048.4	1096.7	1145.4	1201.6	1254.6
27.5°	762.6	809.2	851.5	894.4	940.8	991.0	1041.6	1096.5	1160.3	1231.1	1306.0
30°	743.7	787.7	828.9	872.9	921.2	977.8	1033.3	1098.5	1172.2	1252.1	1340.9
32.5°	721.6	762.2	802.3	848.9	901.5	961.2	1025.9	1097.3	1186.0	1276.8	1368.1
35°	683.9	717.9	759.0	808.8	868.3	936.7	1011.5	1096.0	1197.7	1301.8	1378.8
37.5°	639.1	670.8	714.2	768.7	831.0	904.5	993.3	1093.4	1201.5	1284.5	1309.4
40°	609.1	638.4	683.5	740.1	803.8	881.6	978.9	1084.9	1189.4	1242.5	1222.0
42.5°	576.9	607.8	651.8	707.8	776.3	860.9	960.8	1066.9	1154.5	1174.5	1104.0
45°	526.3	558.2	601.5	658.1	731.9	823.5	927.7	1024.0	1074.5	1038.3	929.2
47.5°	479.3	509.2	549.3	607.7	683.8	778.6	878.9	955.7	959.8	873.5	756.9
50°	447.2	474.8	515.2	573.6	649.1	745.1	835.7	896.2	869.0	771.3	659.2
52.5°	415.7	442.7	482.6	540.4	615.1	702.9	787.3	829.7	778.4	678.2	582.4
55°	370.2	393.9	432.9	486.3	557.1	638.8	710.4	725.0	658.5	559.6	481.9
57.5°	325.8	347.9	383.4	432.5	497.3	569.7	625.7	622.5	552.1	467.3	405.7
60°	295.8	317.3	348.7	396.7	455.8	518.1	566.1	554.6	484.8	411.8	359.9
62.5°	268.8	288.0	317.8	359.8	413.7	471.4	510.8	493.9	425.5	361.7	320.6
65°	229.1	245.2	270.7	306.5	351.3	398.9	429.3	407.5	349.1	299.4	266.4
67.5°	191.2	204.2	225.5	254.1	292.3	330.5	349.0	327.1	280.3	244.0	219.6
70°	167.2	178.7	195.1	220.6	253.8	286.1	300.0	280.3	240.3	209.1	191.5
72.5°	143.2	152.6	167.1	189.9	216.6	244.6	256.7	238.0	205.0	178.7	162.3
75°	110.7	117.1	127.1	142.9	164.0	186.2	193.0	176.5	155.4	135.7	125.0
77.5°	79.2	84.6	92.3	102.2	117.2	131.3	137.2	127.7	111.3	98.9	90.1
80°	60.9	63.7	70.2	78.4	90.2	99.2	103.1	97.0	85.6	76.3	69.5
82.5°	43.4	46.3	50.1	56.9	64.5	70.5	74.7	70.7	62.4	55.0	51.1
85°	21.1	22.9	25.1	27.9	33.6	37.2	36.9	34.4	31.1	28.3	26.1
87.5°	7.9	8.6	9.9	11.8	13.1	14.4	15.5	15.1	14.4	13.8	13.1
90°	2.2	4.3	6.6	8.8	10.9	12.1	14.2	15.4	17.5	18.7	19.7
92.5°	16.2	25.4	39.0	57.9	89.8	149.6	250.0	358.8	353.1	285.9	194.1
95°	37.2	46.0	58.1	82.1	131.4	248.6	489.6	791.8	970.3	949.5	787.4
97.5°	61.4	67.5	79.6	101.2	136.7	214.2	390.8	707.1	1036.2	1201.5	1172.7
100°	78.9	83.2	95.3	116.1	148.9	212.4	354.9	630.8	988.9	1262.7	1347.1
102.5°	96.4	99.9	112.8	131.9	163.8	220.4	340.0	573.0	905.7	1226.0	1405.8
105°	123.8	129.2	140.2	157.7	188.4	236.6	334.0	516.9	794.0	1108.3	1371.2
107.5°	154.0	159.2	168.2	186.4	214.0	260.6	344.1	493.2	717.1	988.4	1247.6
110°	174.2	178.5	188.4	204.8	233.3	278.1	353.7	486.3	681.2	919.9	1156.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	194.3	197.7	207.6	224.0	251.7	294.8	366.0	486.3	660.2	869.1	1084.7
115°	223.4	226.7	236.6	253.0	280.4	320.9	384.4	489.6	637.4	813.7	994.5
117.5°	250.8	254.3	264.2	282.8	309.2	347.6	405.5	496.8	626.2	780.6	936.1
120°	268.3	272.7	282.6	301.1	328.6	366.9	419.4	503.8	620.9	762.2	904.7
122.5°	285.9	289.4	299.2	319.6	346.9	385.3	435.3	509.9	616.6	746.5	881.0
125°	308.9	314.3	324.1	345.0	373.4	409.6	456.7	520.2	611.1	725.0	846.6
127.5°	328.1	335.2	347.6	369.8	398.2	433.0	476.5	531.8	608.5	705.3	811.5
130°	339.5	348.3	362.5	385.5	414.0	447.9	489.6	538.9	606.7	692.2	789.7
132.5°	349.1	359.7	375.7	399.5	428.0	461.9	501.0	546.7	606.7	681.6	767.7
135°	363.6	376.7	394.3	417.3	446.9	480.8	516.9	557.4	606.7	669.2	739.2
137.5°	380.5	392.8	410.3	432.8	463.3	494.2	528.8	567.3	608.0	658.0	715.2
140°	391.0	404.2	421.7	442.4	472.0	503.8	536.7	571.7	608.9	652.7	702.0
142.5°	402.4	414.6	432.2	452.1	479.9	509.9	541.0	574.3	609.8	648.4	690.6
145°	420.6	431.5	446.9	466.6	491.7	520.2	547.6	577.2	608.9	641.8	675.7
147.5°	438.9	448.4	462.6	479.7	501.8	526.8	551.6	578.2	606.1	635.0	661.8
150°	451.2	458.9	473.2	488.4	507.1	531.1	554.2	578.2	603.4	629.7	653.8
152.5°	462.6	469.4	481.9	496.3	513.2	535.6	555.9	577.4	599.9	623.6	645.1
155°	477.5	484.1	495.0	506.0	521.3	539.9	557.4	575.0	593.6	613.3	631.9
157.5°	491.7	497.0	506.4	516.0	527.6	543.7	558.6	572.1	587.0	603.7	618.8
160°	500.5	504.9	512.6	521.3	531.1	545.4	558.6	569.5	582.7	595.8	610.0
162.5°	508.4	512.7	519.5	526.6	534.7	547.1	557.7	566.8	577.4	588.8	600.4
165°	519.2	522.5	527.9	532.3	538.9	547.6	556.4	562.9	569.5	578.2	587.0
167.5°	528.1	530.1	533.1	536.2	540.4	547.6	553.7	556.8	561.8	568.0	574.3
170°	533.4	534.4	536.7	538.9	542.2	547.6	552.0	554.2	557.4	561.8	567.3
172.5°	536.0	537.1	539.2	540.5	542.2	546.7	550.3	550.6	552.2	555.7	559.4
175°	539.9	541.0	542.2	542.2	542.2	545.4	547.6	546.5	546.5	547.6	550.9
177.5°	542.3	542.3	543.2	542.3	542.3	544.1	545.0	543.2	543.2	544.1	545.0
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	882.2	884.5	889.4	887.7	889.9	891.1	892.3
5°	953.5	965.0	970.0	969.2	976.8	975.0	973.2
7.5°	1034.0	1046.0	1052.7	1061.1	1066.0	1066.3	1070.5
10°	1079.5	1095.2	1101.7	1110.7	1116.4	1119.6	1119.3
12.5°	1114.5	1126.8	1141.2	1145.7	1153.4	1157.4	1155.9
15°	1156.5	1176.2	1191.2	1198.7	1208.4	1211.3	1215.2
17.5°	1194.0	1220.4	1238.0	1261.3	1270.2	1275.5	1272.3
20°	1222.4	1257.1	1274.7	1302.6	1318.0	1326.3	1323.3
22.5°	1255.9	1293.5	1326.0	1350.1	1373.6	1384.7	1387.0
25°	1313.3	1364.9	1412.5	1444.4	1473.4	1480.2	1495.2
27.5°	1377.5	1438.3	1489.2	1522.7	1542.9	1550.5	1555.2
30°	1417.9	1478.4	1516.7	1538.1	1544.6	1543.9	1543.2
32.5°	1437.7	1475.6	1482.9	1476.9	1462.2	1449.6	1436.6
35°	1409.7	1381.4	1339.1	1284.7	1244.6	1204.1	1200.1
37.5°	1267.8	1177.3	1107.0	1028.5	983.2	955.2	935.8
40°	1134.3	1031.5	946.3	880.1	833.9	815.7	797.8
42.5°	989.4	891.2	815.7	760.3	725.7	705.4	691.2
45°	803.8	717.2	658.1	618.0	590.4	574.7	565.7
47.5°	658.6	594.6	544.4	515.5	496.4	484.2	484.2
50°	580.8	519.5	486.3	463.4	446.9	437.2	438.9
52.5°	511.7	466.0	437.5	418.3	406.1	400.2	400.0
55°	427.9	394.9	376.4	362.3	354.1	347.3	348.7
57.5°	366.0	338.2	325.7	314.1	308.4	305.7	301.8
60°	327.6	306.1	295.4	286.1	280.3	278.2	274.3
62.5°	293.5	276.6	266.2	258.5	253.4	252.7	249.6
65°	246.7	233.8	224.5	220.9	215.6	214.1	214.1
67.5°	203.4	194.2	186.9	183.6	181.3	181.6	179.8
70°	176.2	168.6	164.0	160.4	158.6	159.0	157.5
72.5°	154.1	145.7	141.7	139.5	137.1	138.1	137.5
75°	116.7	112.4	110.3	108.1	106.7	105.9	105.3
77.5°	85.7	81.9	80.3	79.1	79.3	77.6	78.9
80°	66.3	63.1	61.9	60.1	59.8	59.8	59.5
82.5°	48.4	46.7	45.9	44.4	43.7	44.3	43.4
85°	25.1	23.7	23.3	23.3	22.5	21.9	23.7
87.5°	13.3	12.4	12.8	12.5	12.5	12.4	11.9
90°	20.8	21.9	24.1	24.1	24.1	25.2	25.2
92.5°	140.8	106.0	89.8	75.8	73.1	71.6	69.8
95°	620.9	486.3	394.3	316.5	283.6	274.9	257.4
97.5°	1056.0	924.8	796.8	729.2	667.9	636.1	622.1
100°	1293.5	1180.6	1066.7	991.2	912.3	871.8	854.2
102.5°	1438.9	1384.8	1307.7	1226.8	1170.7	1126.7	1113.6
105°	1521.3	1569.4	1557.4	1522.3	1486.2	1464.2	1451.1
107.5°	1447.8	1571.6	1628.8	1646.5	1646.3	1639.1	1630.3
110°	1364.6	1519.0	1612.1	1661.4	1682.2	1689.9	1689.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1282.2	1438.4	1548.1	1620.2	1656.0	1675.0	1682.9
115°	1164.2	1314.2	1433.6	1519.0	1571.6	1602.2	1616.5
117.5°	1082.5	1211.7	1321.3	1406.7	1461.0	1491.5	1500.2
120°	1036.0	1156.5	1252.9	1334.0	1386.5	1416.1	1424.8
122.5°	1002.8	1110.1	1200.3	1272.6	1320.8	1350.4	1358.3
125°	958.3	1053.6	1132.5	1193.7	1238.7	1262.7	1273.8
127.5°	915.8	1004.8	1078.6	1134.2	1173.8	1196.7	1201.5
130°	886.0	971.5	1042.6	1097.4	1133.5	1155.5	1162.0
132.5°	858.0	935.5	1004.1	1058.9	1095.0	1115.1	1122.6
135°	814.8	885.0	947.3	995.5	1031.7	1051.4	1058.0
137.5°	776.3	834.5	887.6	930.7	963.6	981.8	988.9
140°	753.5	803.9	849.9	890.4	918.9	935.3	940.8
142.5°	734.2	777.6	817.5	851.9	875.9	891.5	896.1
145°	709.6	743.7	773.2	799.5	818.1	830.2	834.5
147.5°	689.3	715.4	737.7	758.6	773.5	780.4	782.4
150°	678.0	698.7	718.4	734.9	748.0	752.4	753.5
152.5°	666.6	685.6	701.0	714.7	725.2	729.6	730.8
155°	649.4	664.8	676.8	687.8	695.4	698.7	699.8
157.5°	633.2	645.1	654.5	663.0	669.4	672.4	672.2
160°	620.9	631.9	639.6	647.2	652.7	655.0	653.8
162.5°	610.5	619.6	626.4	632.4	637.0	637.4	637.2
165°	594.7	601.2	606.7	611.1	613.3	613.3	613.3
167.5°	579.4	584.4	588.3	590.5	592.5	591.6	591.4
170°	570.6	573.9	576.1	578.2	579.4	579.4	578.2
172.5°	562.7	565.1	566.5	566.8	568.8	567.1	566.0
175°	550.9	553.1	553.1	553.1	554.2	552.0	550.9
177.5°	545.8	545.8	545.8	545.0	545.8	543.2	543.2
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2

(END OF REPORT)