

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: P333178-830

Luminaire Tested: **S125DIP-S610D810U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333178-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S610D810U830-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5436.0 lumens
Efficiency: N/A
Efficacy: 141.6 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

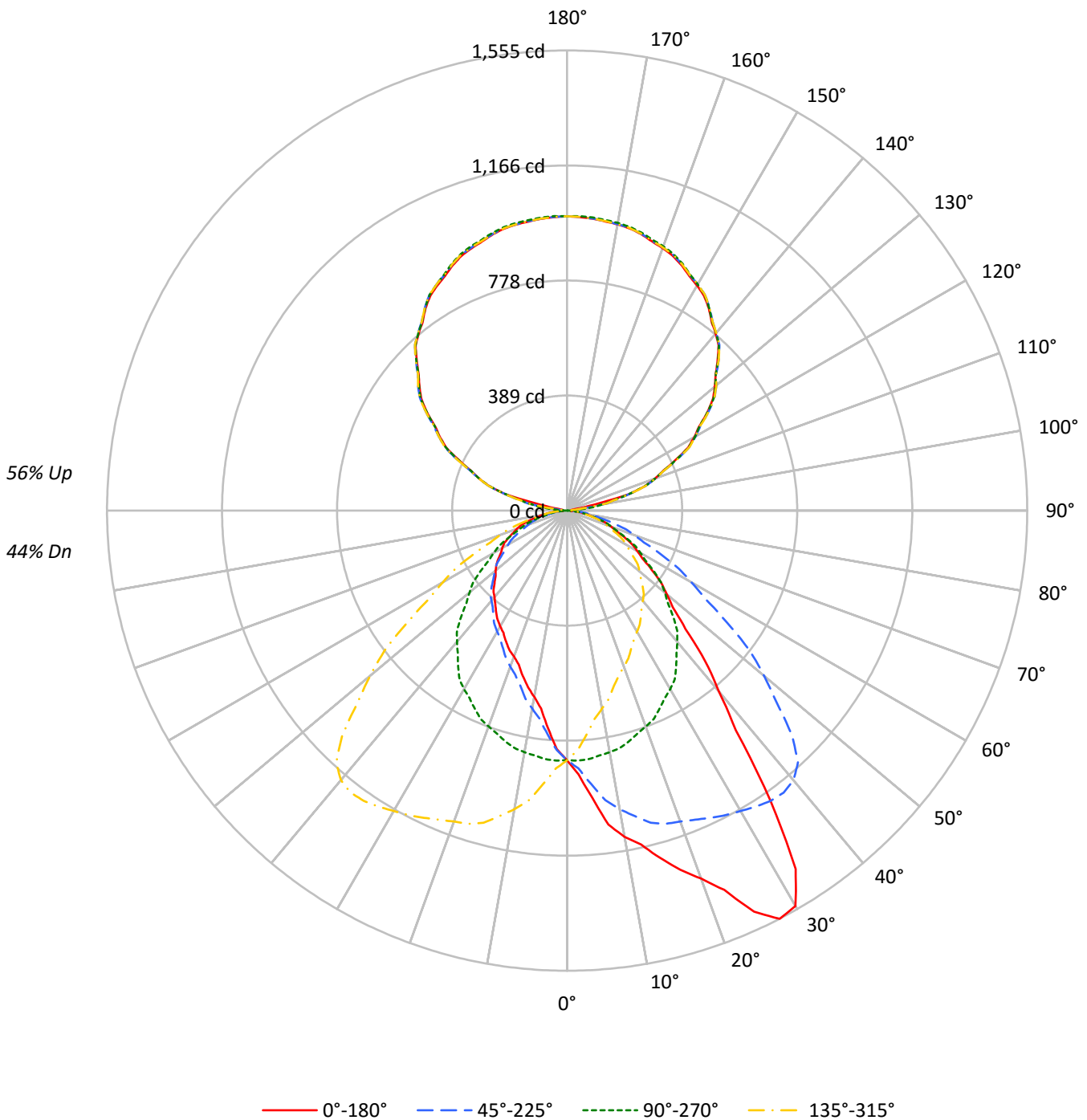
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	50	50	50	44
1	97	92	89	85	88	85	81	79	70	68	66	57	56	54	45	44	43	37
2	88	81	75	70	80	74	69	65	62	58	55	50	48	45	40	38	36	32
3	80	71	64	58	73	65	59	54	55	50	46	45	41	39	35	33	31	27
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27	23
5	68	56	48	42	62	52	45	40	43	38	34	36	32	29	29	26	24	20
6	62	50	42	37	57	47	39	34	39	34	30	32	28	25	26	23	21	18
7	58	45	38	32	53	42	35	30	35	30	26	29	25	22	24	21	18	16
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17	14
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	19	16	13	12

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	1.5
10°-20°	241.8	4.4
20°-30°	392.6	7.2
30°-40°	478.9	8.8
40°-50°	435.7	8.0
50°-60°	347.0	6.4
60°-70°	241.7	4.4
70°-80°	128.9	2.4
80°-90°	34.6	0.6
90°-100°	36.1	0.7
100°-110°	222.7	4.1
110°-120°	403.9	7.4
120°-130°	518.4	9.5
130°-140°	557.5	10.3
140°-150°	523.3	9.6
150°-160°	423.3	7.8
160°-170°	273.8	5.0
170°-180°	94.4	1.7
0°-30°	715.6	13.2
0°-40°	1194.5	22.0
0°-60°	1977.3	36.4
0°-90°	2382.5	43.8
90°-120°	662.7	12.2
90°-150°	2262.0	41.6
90°-180°	3054.0	56.2
0°-180°	5436.0	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°	18	1	18	1	18	9
95°	16	42	16	42	16	13
105°	219	217	219	217	219	198
115°	404	407	404	407	404	401
125°	579	579	579	579	579	515
135°	719	722	719	722	719	555
145°	834	837	834	837	834	521
155°	915	921	915	921	915	422
165°	967	972	967	972	967	273
175°	990	994	990	994	990	94
180°	994	994	994	994	994	



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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°	10.4	10.9	11.1	10.9	11.1	11.0	12.0	11.9	12.5	13.3	14.1
90°	17.7	17.2	16.7	16.2	15.7	15.1	14.2	13.5	12.6	11.8	10.7
92.5°	16.5	16.3	16.0	15.8	15.6	15.1	14.2	13.5	12.6	11.8	10.7
95°	15.5	15.5	15.5	15.5	15.5	15.1	14.2	13.5	12.6	11.8	18.0
97.5°	15.5	15.5	15.5	15.5	15.5	17.8	22.4	27.1	31.7	36.3	48.5
100°	15.5	16.1	16.8	17.4	18.1	30.6	55.0	79.5	103.9	128.3	127.6
102.5°	92.7	103.9	115.0	126.1	137.3	145.2	149.8	154.4	159.0	163.6	163.2
105°	219.0	219.0	219.2	219.4	219.6	219.6	219.6	219.6	219.6	219.6	219.6
107.5°	276.0	276.4	276.9	277.5	278.0	278.1	278.1	278.1	278.1	278.1	277.7
110°	315.5	315.3	315.2	315.0	314.8	315.0	315.5	315.9	316.5	317.0	316.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	350.9	351.1	351.3	351.6	351.8	352.2	352.8	353.5	354.1	354.7	354.5
115°	404.0	404.9	405.9	406.9	407.8	408.7	409.3	410.0	410.7	411.3	411.1
117.5°	460.5	461.0	461.4	461.8	462.2	462.9	463.7	464.6	465.4	466.3	465.7
120°	495.3	496.2	497.0	497.8	498.6	499.2	499.5	499.8	500.2	500.5	500.0
122.5°	528.4	529.3	530.3	531.2	532.2	532.8	533.1	533.5	533.8	534.1	533.9
125°	578.6	579.1	579.6	580.1	580.6	581.2	581.8	582.5	583.2	583.8	583.8
127.5°	620.9	622.2	623.4	624.6	625.8	626.6	627.0	627.3	627.6	628.0	628.1
130°	651.6	652.4	653.3	654.0	654.9	655.5	656.0	656.5	657.0	657.5	657.3
132.5°	680.0	680.7	681.6	682.4	683.2	683.6	683.7	683.8	683.9	684.0	684.4
135°	718.7	719.6	720.7	721.6	722.6	723.3	723.6	724.0	724.2	724.6	724.9
137.5°	757.6	758.5	759.3	760.2	761.0	761.4	761.3	761.3	761.2	761.1	761.5
140°	780.6	781.6	782.6	783.5	784.6	784.9	784.6	784.2	783.9	783.5	783.7
142.5°	802.4	803.4	804.4	805.4	806.3	806.8	806.7	806.7	806.6	806.5	806.3
145°	834.4	835.4	836.4	837.4	838.3	838.8	838.6	838.4	838.3	838.1	838.1
147.5°	860.8	862.0	863.2	864.3	865.5	866.0	865.8	865.6	865.4	865.3	865.1
150°	877.9	879.2	880.5	881.8	883.2	883.6	883.4	883.0	882.7	882.3	882.0
152.5°	893.8	895.0	896.2	897.4	898.5	899.0	898.6	898.3	898.0	897.7	897.3
155°	914.7	916.1	917.4	918.7	920.0	920.4	919.9	919.5	918.9	918.4	918.1
157.5°	932.3	933.6	934.9	936.2	937.5	937.9	937.5	936.9	936.3	935.9	935.8
160°	943.5	944.8	946.1	947.4	948.8	949.0	948.4	947.7	947.1	946.4	946.3
162.5°	953.6	955.0	956.4	957.8	959.3	959.5	958.7	957.7	956.8	955.9	955.7
165°	967.0	968.4	969.7	971.0	972.3	972.5	971.5	970.5	969.6	968.6	968.4
167.5°	976.6	978.0	979.5	980.9	982.4	982.6	981.4	980.2	979.0	977.9	977.7
170°	981.8	983.3	984.8	986.3	987.7	987.8	986.5	985.1	983.9	982.6	982.4
172.5°	985.3	986.8	988.4	989.8	991.3	991.5	990.2	989.0	987.9	986.7	986.4
175°	990.0	991.5	992.9	994.4	995.8	995.9	994.6	993.3	992.0	990.7	990.5
177.5°	992.6	993.6	994.7	995.7	996.8	996.8	995.9	995.0	994.1	993.2	993.1
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



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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°	14.5	13.7	12.3	11.2	9.5	8.4	7.8	7.9	7.3	7.3	7.8
90°	9.5	8.4	7.2	5.9	4.7	3.4	2.1	0.8	2.1	3.4	4.7
92.5°	9.8	8.8	7.7	7.7	8.6	9.5	10.5	11.3	10.5	9.5	8.6
95°	24.2	30.4	36.7	40.1	40.5	41.0	41.6	42.0	41.6	41.0	40.5
97.5°	60.9	73.2	85.6	91.2	90.4	89.4	88.6	87.8	88.6	89.4	90.4
100°	127.0	126.3	125.6	125.1	124.6	124.0	123.6	123.1	123.6	124.0	124.6
102.5°	162.9	162.5	162.0	161.6	160.9	160.3	159.7	159.1	159.7	160.3	160.9
105°	219.6	219.6	219.6	219.3	218.7	218.0	217.4	216.7	217.4	218.0	218.7
107.5°	277.4	277.0	276.7	276.5	276.5	276.5	276.5	276.5	276.5	276.5	276.5
110°	316.3	315.9	315.7	315.5	315.5	315.5	315.5	315.5	315.5	315.5	315.5



TEST NUMBER: P333178-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	354.3	354.1	353.9	353.6	353.3	352.8	352.4	352.0	352.4	352.8	353.3
115°	410.9	410.9	410.7	410.2	409.3	408.5	407.7	406.9	407.7	408.5	409.3
117.5°	465.1	464.4	463.8	463.5	463.5	463.5	463.6	463.6	463.6	463.5	463.5
120°	499.5	499.0	498.5	498.3	498.5	498.7	498.9	499.0	498.9	498.7	498.5
122.5°	533.7	533.4	533.2	532.7	532.2	531.5	530.9	530.3	530.9	531.5	532.2
125°	583.8	583.8	583.8	583.2	582.1	580.9	579.8	578.6	579.8	580.9	582.1
127.5°	628.2	628.3	628.4	628.0	627.3	626.4	625.6	624.8	625.6	626.4	627.3
130°	657.1	657.0	656.9	656.4	655.5	654.7	653.9	653.1	653.9	654.7	655.5
132.5°	684.8	685.1	685.5	685.2	684.2	683.2	682.3	681.4	682.3	683.2	684.2
135°	725.2	725.6	725.9	725.6	724.6	723.6	722.6	721.6	722.6	723.6	724.6
137.5°	761.8	762.0	762.3	762.0	761.2	760.3	759.5	758.7	759.5	760.3	761.2
140°	783.9	784.0	784.2	784.1	783.8	783.4	783.2	782.8	783.2	783.4	783.8
142.5°	806.1	805.9	805.6	805.4	805.2	805.0	804.8	804.6	804.8	805.0	805.2
145°	838.1	838.1	838.1	837.9	837.6	837.3	837.0	836.6	837.0	837.3	837.6
147.5°	864.8	864.6	864.4	864.4	864.4	864.5	864.6	864.6	864.6	864.5	864.4
150°	881.7	881.4	881.0	881.0	881.4	881.7	882.0	882.3	882.0	881.7	881.4
152.5°	897.0	896.6	896.4	896.5	897.3	898.0	898.7	899.5	898.7	898.0	897.3
155°	917.8	917.5	917.1	917.5	918.4	919.5	920.4	921.4	920.4	919.5	918.4
157.5°	935.8	935.8	935.7	935.9	936.6	937.2	937.7	938.3	937.7	937.2	936.6
160°	946.1	945.9	945.8	946.2	947.2	948.2	949.1	950.2	949.1	948.2	947.2
162.5°	955.5	955.4	955.3	955.6	956.6	957.6	958.6	959.6	958.6	957.6	956.6
165°	968.3	968.1	967.9	968.3	969.3	970.3	971.3	972.2	971.3	970.3	969.3
167.5°	977.5	977.3	977.2	977.6	978.6	979.7	980.7	981.7	980.7	979.7	978.6
170°	982.2	982.0	981.9	982.4	983.5	984.7	985.8	987.0	985.8	984.7	983.5
172.5°	986.1	985.8	985.5	985.9	987.1	988.3	989.4	990.5	989.4	988.3	987.1
175°	990.3	990.1	990.0	990.4	991.5	992.4	993.3	994.4	993.3	992.4	991.5
177.5°	992.9	992.8	992.7	993.0	993.8	994.6	995.3	996.2	995.3	994.6	993.8
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333178-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A

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°	8.4	9.1	9.1	9.6	9.9	10.7	10.6	11.9	12.6	13.3	13.2
90°	5.9	7.2	8.4	9.5	10.7	11.8	12.6	13.5	14.2	15.1	15.7
92.5°	7.7	7.7	8.8	9.8	10.7	11.8	12.6	13.5	14.2	15.1	15.6
95°	40.1	36.7	30.4	24.2	18.0	11.8	12.6	13.5	14.2	15.1	15.5
97.5°	91.2	85.6	73.2	60.9	48.5	36.3	31.7	27.1	22.4	17.8	15.5
100°	125.1	125.6	126.3	127.0	127.6	128.3	103.9	79.5	55.0	30.6	18.1
102.5°	161.6	162.0	162.5	162.9	163.2	163.6	159.0	154.4	149.8	145.2	137.3
105°	219.3	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
107.5°	276.5	276.7	277.0	277.4	277.7	278.1	278.1	278.1	278.1	278.1	278.0
110°	315.5	315.7	315.9	316.3	316.6	317.0	316.5	315.9	315.5	315.0	314.8



TEST NUMBER: P333178-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	353.6	353.9	354.1	354.3	354.5	354.7	354.1	353.5	352.8	352.2	351.8
115°	410.2	410.7	410.9	410.9	411.1	411.3	410.7	410.0	409.3	408.7	407.8
117.5°	463.5	463.8	464.4	465.1	465.7	466.3	465.4	464.6	463.7	462.9	462.2
120°	498.3	498.5	499.0	499.5	500.0	500.5	500.2	499.8	499.5	499.2	498.6
122.5°	532.7	533.2	533.4	533.7	533.9	534.1	533.8	533.5	533.1	532.8	532.2
125°	583.2	583.8	583.8	583.8	583.8	583.8	583.2	582.5	581.8	581.2	580.6
127.5°	628.0	628.4	628.3	628.2	628.1	628.0	627.6	627.3	627.0	626.6	625.8
130°	656.4	656.9	657.0	657.1	657.3	657.5	657.0	656.5	656.0	655.5	654.9
132.5°	685.2	685.5	685.1	684.8	684.4	684.0	683.9	683.8	683.7	683.6	683.2
135°	725.6	725.9	725.6	725.2	724.9	724.6	724.2	724.0	723.6	723.3	722.6
137.5°	762.0	762.3	762.0	761.8	761.5	761.1	761.2	761.3	761.3	761.4	761.0
140°	784.1	784.2	784.0	783.9	783.7	783.5	783.9	784.2	784.6	784.9	784.6
142.5°	805.4	805.6	805.9	806.1	806.3	806.5	806.6	806.7	806.7	806.8	806.3
145°	837.9	838.1	838.1	838.1	838.1	838.1	838.3	838.4	838.6	838.8	838.3
147.5°	864.4	864.4	864.6	864.8	865.1	865.3	865.4	865.6	865.8	866.0	865.5
150°	881.0	881.0	881.4	881.7	882.0	882.3	882.7	883.0	883.4	883.6	883.2
152.5°	896.5	896.4	896.6	897.0	897.3	897.7	898.0	898.3	898.6	899.0	898.5
155°	917.5	917.1	917.5	917.8	918.1	918.4	918.9	919.5	919.9	920.4	920.0
157.5°	935.9	935.7	935.8	935.8	935.8	935.9	936.3	936.9	937.5	937.9	937.5
160°	946.2	945.8	945.9	946.1	946.3	946.4	947.1	947.7	948.4	949.0	948.8
162.5°	955.6	955.3	955.4	955.5	955.7	955.9	956.8	957.7	958.7	959.5	959.3
165°	968.3	967.9	968.1	968.3	968.4	968.6	969.6	970.5	971.5	972.5	972.3
167.5°	977.6	977.2	977.3	977.5	977.7	977.9	979.0	980.2	981.4	982.6	982.4
170°	982.4	981.9	982.0	982.2	982.4	982.6	983.9	985.1	986.5	987.8	987.7
172.5°	985.9	985.5	985.8	986.1	986.4	986.7	987.9	989.0	990.2	991.5	991.3
175°	990.4	990.0	990.1	990.3	990.5	990.7	992.0	993.3	994.6	995.9	995.8
177.5°	993.0	992.7	992.8	992.9	993.1	993.2	994.1	995.0	995.9	996.8	996.8
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333178-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A

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°	13.9	13.7	13.8	14.4	13.8	13.7	13.9	13.2	13.3	12.6	11.9
90°	16.2	16.7	17.2	17.7	17.2	16.7	16.2	15.7	15.1	14.2	13.5
92.5°	15.8	16.0	16.3	16.5	16.3	16.0	15.8	15.6	15.1	14.2	13.5
95°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.1	14.2	13.5
97.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	17.8	22.4	27.1
100°	17.4	16.8	16.1	15.5	16.1	16.8	17.4	18.1	30.6	55.0	79.5
102.5°	126.1	115.0	103.9	92.7	103.9	115.0	126.1	137.3	145.2	149.8	154.4
105°	219.4	219.2	219.0	219.0	219.0	219.2	219.4	219.6	219.6	219.6	219.6
107.5°	277.5	276.9	276.4	276.0	276.4	276.9	277.5	278.0	278.1	278.1	278.1
110°	315.0	315.2	315.3	315.5	315.3	315.2	315.0	314.8	315.0	315.5	315.9



TEST NUMBER: P333178-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	351.6	351.3	351.1	350.9	351.1	351.3	351.6	351.8	352.2	352.8	353.5
115°	406.9	405.9	404.9	404.0	404.9	405.9	406.9	407.8	408.7	409.3	410.0
117.5°	461.8	461.4	461.0	460.5	461.0	461.4	461.8	462.2	462.9	463.7	464.6
120°	497.8	497.0	496.2	495.3	496.2	497.0	497.8	498.6	499.2	499.5	499.8
122.5°	531.2	530.3	529.3	528.4	529.3	530.3	531.2	532.2	532.8	533.1	533.5
125°	580.1	579.6	579.1	578.6	579.1	579.6	580.1	580.6	581.2	581.8	582.5
127.5°	624.6	623.4	622.2	620.9	622.2	623.4	624.6	625.8	626.6	627.0	627.3
130°	654.0	653.3	652.4	651.6	652.4	653.3	654.0	654.9	655.5	656.0	656.5
132.5°	682.4	681.6	680.7	680.0	680.7	681.6	682.4	683.2	683.6	683.7	683.8
135°	721.6	720.7	719.6	718.7	719.6	720.7	721.6	722.6	723.3	723.6	724.0
137.5°	760.2	759.3	758.5	757.6	758.5	759.3	760.2	761.0	761.4	761.3	761.3
140°	783.5	782.6	781.6	780.6	781.6	782.6	783.5	784.6	784.9	784.6	784.2
142.5°	805.4	804.4	803.4	802.4	803.4	804.4	805.4	806.3	806.8	806.7	806.7
145°	837.4	836.4	835.4	834.4	835.4	836.4	837.4	838.3	838.8	838.6	838.4
147.5°	864.3	863.2	862.0	860.8	862.0	863.2	864.3	865.5	866.0	865.8	865.6
150°	881.8	880.5	879.2	877.9	879.2	880.5	881.8	883.2	883.6	883.4	883.0
152.5°	897.4	896.2	895.0	893.8	895.0	896.2	897.4	898.5	899.0	898.6	898.3
155°	918.7	917.4	916.1	914.7	916.1	917.4	918.7	920.0	920.4	919.9	919.5
157.5°	936.2	934.9	933.6	932.3	933.6	934.9	936.2	937.5	937.9	937.5	936.9
160°	947.4	946.1	944.8	943.5	944.8	946.1	947.4	948.8	949.0	948.4	947.7
162.5°	957.8	956.4	955.0	953.6	955.0	956.4	957.8	959.3	959.5	958.7	957.7
165°	971.0	969.7	968.4	967.0	968.4	969.7	971.0	972.3	972.5	971.5	970.5
167.5°	980.9	979.5	978.0	976.6	978.0	979.5	980.9	982.4	982.6	981.4	980.2
170°	986.3	984.8	983.3	981.8	983.3	984.8	986.3	987.7	987.8	986.5	985.1
172.5°	989.8	988.4	986.8	985.3	986.8	988.4	989.8	991.3	991.5	990.2	989.0
175°	994.4	992.9	991.5	990.0	991.5	992.9	994.4	995.8	995.9	994.6	993.3
177.5°	995.7	994.7	993.6	992.6	993.6	994.7	995.7	996.8	996.8	995.9	995.0
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333178-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A

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°	10.6	10.7	9.9	9.6	9.1	9.1	8.4	7.8	7.3	7.3	7.9
90°	12.6	11.8	10.7	9.5	8.4	7.2	5.9	4.7	3.4	2.1	0.8
92.5°	12.6	11.8	10.7	9.8	8.8	7.7	7.7	8.6	9.5	10.5	11.3
95°	12.6	11.8	18.0	24.2	30.4	36.7	40.1	40.5	41.0	41.6	42.0
97.5°	31.7	36.3	48.5	60.9	73.2	85.6	91.2	90.4	89.4	88.6	87.8
100°	103.9	128.3	127.6	127.0	126.3	125.6	125.1	124.6	124.0	123.6	123.1
102.5°	159.0	163.6	163.2	162.9	162.5	162.0	161.6	160.9	160.3	159.7	159.1
105°	219.6	219.6	219.6	219.6	219.6	219.6	219.3	218.7	218.0	217.4	216.7
107.5°	278.1	278.1	277.7	277.4	277.0	276.7	276.5	276.5	276.5	276.5	276.5
110°	316.5	317.0	316.6	316.3	315.9	315.7	315.5	315.5	315.5	315.5	315.5



TEST NUMBER: P333178-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	354.1	354.7	354.5	354.3	354.1	353.9	353.6	353.3	352.8	352.4	352.0
115°	410.7	411.3	411.1	410.9	410.9	410.7	410.2	409.3	408.5	407.7	406.9
117.5°	465.4	466.3	465.7	465.1	464.4	463.8	463.5	463.5	463.5	463.6	463.6
120°	500.2	500.5	500.0	499.5	499.0	498.5	498.3	498.5	498.7	498.9	499.0
122.5°	533.8	534.1	533.9	533.7	533.4	533.2	532.7	532.2	531.5	530.9	530.3
125°	583.2	583.8	583.8	583.8	583.8	583.8	583.2	582.1	580.9	579.8	578.6
127.5°	627.6	628.0	628.1	628.2	628.3	628.4	628.0	627.3	626.4	625.6	624.8
130°	657.0	657.5	657.3	657.1	657.0	656.9	656.4	655.5	654.7	653.9	653.1
132.5°	683.9	684.0	684.4	684.8	685.1	685.5	685.2	684.2	683.2	682.3	681.4
135°	724.2	724.6	724.9	725.2	725.6	725.9	725.6	724.6	723.6	722.6	721.6
137.5°	761.2	761.1	761.5	761.8	762.0	762.3	762.0	761.2	760.3	759.5	758.7
140°	783.9	783.5	783.7	783.9	784.0	784.2	784.1	783.8	783.4	783.2	782.8
142.5°	806.6	806.5	806.3	806.1	805.9	805.6	805.4	805.2	805.0	804.8	804.6
145°	838.3	838.1	838.1	838.1	838.1	838.1	837.9	837.6	837.3	837.0	836.6
147.5°	865.4	865.3	865.1	864.8	864.6	864.4	864.4	864.4	864.5	864.6	864.6
150°	882.7	882.3	882.0	881.7	881.4	881.0	881.0	881.4	881.7	882.0	882.3
152.5°	898.0	897.7	897.3	897.0	896.6	896.4	896.5	897.3	898.0	898.7	899.5
155°	918.9	918.4	918.1	917.8	917.5	917.1	917.5	918.4	919.5	920.4	921.4
157.5°	936.3	935.9	935.8	935.8	935.8	935.7	935.9	936.6	937.2	937.7	938.3
160°	947.1	946.4	946.3	946.1	945.9	945.8	946.2	947.2	948.2	949.1	950.2
162.5°	956.8	955.9	955.7	955.5	955.4	955.3	955.6	956.6	957.6	958.6	959.6
165°	969.6	968.6	968.4	968.3	968.1	967.9	968.3	969.3	970.3	971.3	972.2
167.5°	979.0	977.9	977.7	977.5	977.3	977.2	977.6	978.6	979.7	980.7	981.7
170°	983.9	982.6	982.4	982.2	982.0	981.9	982.4	983.5	984.7	985.8	987.0
172.5°	987.9	986.7	986.4	986.1	985.8	985.5	985.9	987.1	988.3	989.4	990.5
175°	992.0	990.7	990.5	990.3	990.1	990.0	990.4	991.5	992.4	993.3	994.4
177.5°	994.1	993.2	993.1	992.9	992.8	992.7	993.0	993.8	994.6	995.3	996.2
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333178-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A

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°	7.8	8.4	9.5	11.2	12.3	13.7	14.5	14.1	13.3	12.5	11.9
90°	2.1	3.4	4.7	5.9	7.2	8.4	9.5	10.7	11.8	12.6	13.5
92.5°	10.5	9.5	8.6	7.7	7.7	8.8	9.8	10.7	11.8	12.6	13.5
95°	41.6	41.0	40.5	40.1	36.7	30.4	24.2	18.0	11.8	12.6	13.5
97.5°	88.6	89.4	90.4	91.2	85.6	73.2	60.9	48.5	36.3	31.7	27.1
100°	123.6	124.0	124.6	125.1	125.6	126.3	127.0	127.6	128.3	103.9	79.5
102.5°	159.7	160.3	160.9	161.6	162.0	162.5	162.9	163.2	163.6	159.0	154.4
105°	217.4	218.0	218.7	219.3	219.6	219.6	219.6	219.6	219.6	219.6	219.6
107.5°	276.5	276.5	276.5	276.5	276.7	277.0	277.4	277.7	278.1	278.1	278.1
110°	315.5	315.5	315.5	315.5	315.7	315.9	316.3	316.6	317.0	316.5	315.9



TEST NUMBER: P333178-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	352.4	352.8	353.3	353.6	353.9	354.1	354.3	354.5	354.7	354.1	353.5
115°	407.7	408.5	409.3	410.2	410.7	410.9	410.9	411.1	411.3	410.7	410.0
117.5°	463.6	463.5	463.5	463.5	463.8	464.4	465.1	465.7	466.3	465.4	464.6
120°	498.9	498.7	498.5	498.3	498.5	499.0	499.5	500.0	500.5	500.2	499.8
122.5°	530.9	531.5	532.2	532.7	533.2	533.4	533.7	533.9	534.1	533.8	533.5
125°	579.8	580.9	582.1	583.2	583.8	583.8	583.8	583.8	583.8	583.2	582.5
127.5°	625.6	626.4	627.3	628.0	628.4	628.3	628.2	628.1	628.0	627.6	627.3
130°	653.9	654.7	655.5	656.4	656.9	657.0	657.1	657.3	657.5	657.0	656.5
132.5°	682.3	683.2	684.2	685.2	685.5	685.1	684.8	684.4	684.0	683.9	683.8
135°	722.6	723.6	724.6	725.6	725.9	725.6	725.2	724.9	724.6	724.2	724.0
137.5°	759.5	760.3	761.2	762.0	762.3	762.0	761.8	761.5	761.1	761.2	761.3
140°	783.2	783.4	783.8	784.1	784.2	784.0	783.9	783.7	783.5	783.9	784.2
142.5°	804.8	805.0	805.2	805.4	805.6	805.9	806.1	806.3	806.5	806.6	806.7
145°	837.0	837.3	837.6	837.9	838.1	838.1	838.1	838.1	838.1	838.3	838.4
147.5°	864.6	864.5	864.4	864.4	864.4	864.6	864.8	865.1	865.3	865.4	865.6
150°	882.0	881.7	881.4	881.0	881.0	881.4	881.7	882.0	882.3	882.7	883.0
152.5°	898.7	898.0	897.3	896.5	896.4	896.6	897.0	897.3	897.7	898.0	898.3
155°	920.4	919.5	918.4	917.5	917.1	917.5	917.8	918.1	918.4	918.9	919.5
157.5°	937.7	937.2	936.6	935.9	935.7	935.8	935.8	935.8	935.9	936.3	936.9
160°	949.1	948.2	947.2	946.2	945.8	945.9	946.1	946.3	946.4	947.1	947.7
162.5°	958.6	957.6	956.6	955.6	955.3	955.4	955.5	955.7	955.9	956.8	957.7
165°	971.3	970.3	969.3	968.3	967.9	968.1	968.3	968.4	968.6	969.6	970.5
167.5°	980.7	979.7	978.6	977.6	977.2	977.3	977.5	977.7	977.9	979.0	980.2
170°	985.8	984.7	983.5	982.4	981.9	982.0	982.2	982.4	982.6	983.9	985.1
172.5°	989.4	988.3	987.1	985.9	985.5	985.8	986.1	986.4	986.7	987.9	989.0
175°	993.3	992.4	991.5	990.4	990.0	990.1	990.3	990.5	990.7	992.0	993.3
177.5°	995.3	994.6	993.8	993.0	992.7	992.8	992.9	993.1	993.2	994.1	995.0
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



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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°	12.0	11.0	11.1	10.9	11.1	10.9	10.4
90°	14.2	15.1	15.7	16.2	16.7	17.2	17.7
92.5°	14.2	15.1	15.6	15.8	16.0	16.3	16.5
95°	14.2	15.1	15.5	15.5	15.5	15.5	15.5
97.5°	22.4	17.8	15.5	15.5	15.5	15.5	15.5
100°	55.0	30.6	18.1	17.4	16.8	16.1	15.5
102.5°	149.8	145.2	137.3	126.1	115.0	103.9	92.7
105°	219.6	219.6	219.6	219.4	219.2	219.0	219.0
107.5°	278.1	278.1	278.0	277.5	276.9	276.4	276.0
110°	315.5	315.0	314.8	315.0	315.2	315.3	315.5



TEST NUMBER: P333178-830

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	352.8	352.2	351.8	351.6	351.3	351.1	350.9
115°	409.3	408.7	407.8	406.9	405.9	404.9	404.0
117.5°	463.7	462.9	462.2	461.8	461.4	461.0	460.5
120°	499.5	499.2	498.6	497.8	497.0	496.2	495.3
122.5°	533.1	532.8	532.2	531.2	530.3	529.3	528.4
125°	581.8	581.2	580.6	580.1	579.6	579.1	578.6
127.5°	627.0	626.6	625.8	624.6	623.4	622.2	620.9
130°	656.0	655.5	654.9	654.0	653.3	652.4	651.6
132.5°	683.7	683.6	683.2	682.4	681.6	680.7	680.0
135°	723.6	723.3	722.6	721.6	720.7	719.6	718.7
137.5°	761.3	761.4	761.0	760.2	759.3	758.5	757.6
140°	784.6	784.9	784.6	783.5	782.6	781.6	780.6
142.5°	806.7	806.8	806.3	805.4	804.4	803.4	802.4
145°	838.6	838.8	838.3	837.4	836.4	835.4	834.4
147.5°	865.8	866.0	865.5	864.3	863.2	862.0	860.8
150°	883.4	883.6	883.2	881.8	880.5	879.2	877.9
152.5°	898.6	899.0	898.5	897.4	896.2	895.0	893.8
155°	919.9	920.4	920.0	918.7	917.4	916.1	914.7
157.5°	937.5	937.9	937.5	936.2	934.9	933.6	932.3
160°	948.4	949.0	948.8	947.4	946.1	944.8	943.5
162.5°	958.7	959.5	959.3	957.8	956.4	955.0	953.6
165°	971.5	972.5	972.3	971.0	969.7	968.4	967.0
167.5°	981.4	982.6	982.4	980.9	979.5	978.0	976.6
170°	986.5	987.8	987.7	986.3	984.8	983.3	981.8
172.5°	990.2	991.5	991.3	989.8	988.4	986.8	985.3
175°	994.6	995.9	995.8	994.4	992.9	991.5	990.0
177.5°	995.9	996.8	996.8	995.7	994.7	993.6	992.6
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4

(END OF REPORT)