

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: P333179-830

Luminaire Tested: **S125DIP-S610D810U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333179-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
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-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5025.2 lumens  
Efficiency: N/A  
Efficacy: 130.9 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

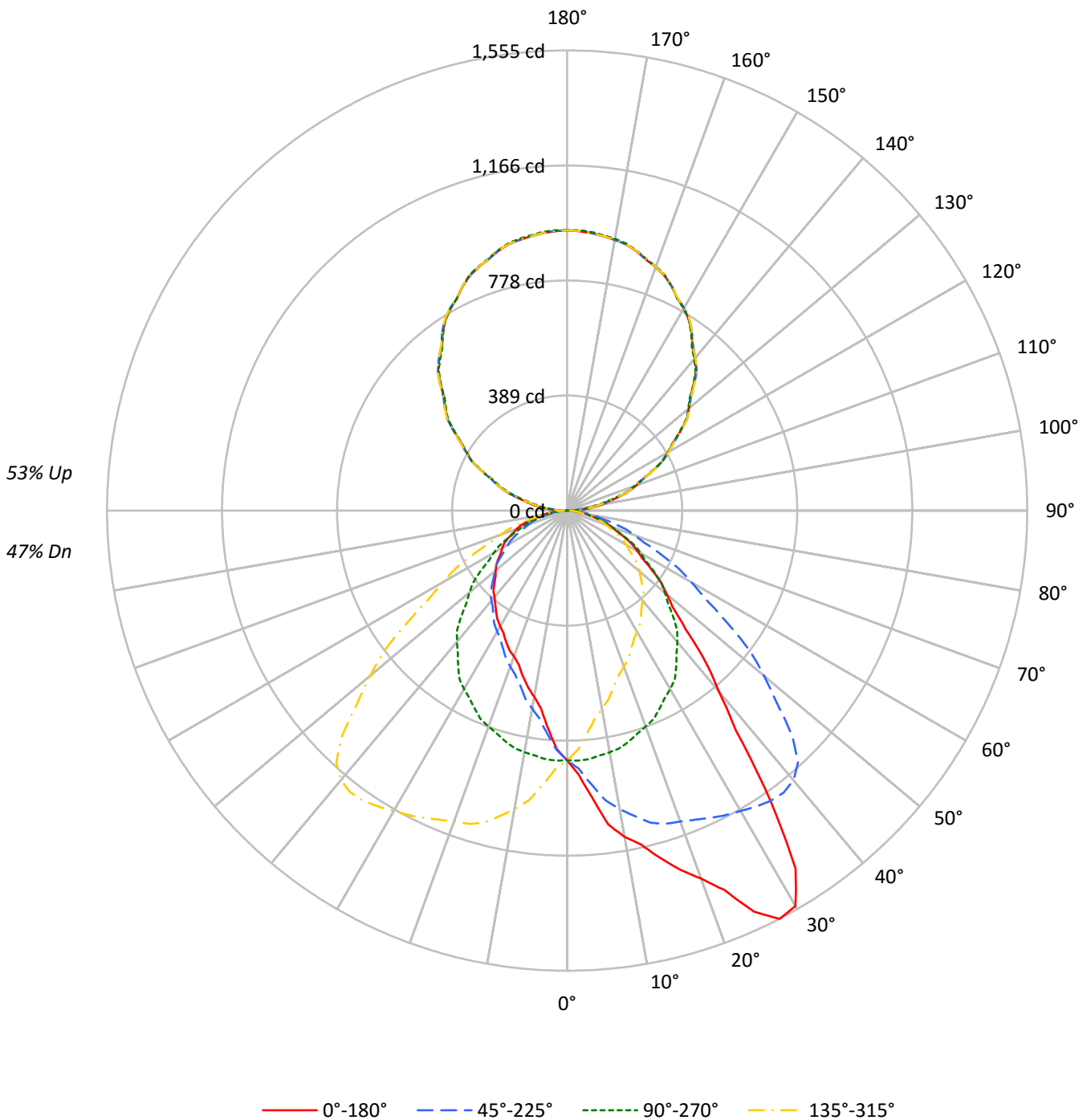
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47
1	97	93	89	86	89	86	83	80	72	70	68	59	58	56	48	47	46	40
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39	34
3	81	72	65	59	74	66	60	55	56	51	48	47	43	40	38	35	33	29
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25
5	68	57	49	43	63	53	46	40	45	39	35	37	33	30	30	27	25	22
6	63	51	43	37	58	47	40	35	40	35	31	34	30	26	28	25	22	19
7	58	46	38	33	53	43	36	31	36	31	27	31	26	23	25	22	20	17
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	18	15
9	50	38	31	26	46	35	29	24	30	25	21	26	22	19	21	18	16	14
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	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	1.6
10°-20°	241.8	4.8
20°-30°	392.6	7.8
30°-40°	478.9	9.5
40°-50°	435.7	8.7
50°-60°	347.0	6.9
60°-70°	241.7	4.8
70°-80°	128.9	2.6
80°-90°	34.6	0.7
90°-100°	63.4	1.3
100°-110°	187.3	3.7
110°-120°	317.3	6.3
120°-130°	417.5	8.3
130°-140°	467.9	9.3
140°-150°	458.6	9.1
150°-160°	385.1	7.7
160°-170°	256.0	5.1
170°-180°	89.6	1.8
0°-30°	715.6	14.2
0°-40°	1194.5	23.8
0°-60°	1977.3	39.3
0°-90°	2382.5	47.4
90°-120°	568.0	11.3
90°-150°	1912.0	38.0
90°-180°	2643.0	52.6
0°-180°	5025.2	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	11
95°	63	48	63	48	63	65
105°	183	168	183	168	183	194
115°	321	318	321	318	321	317
125°	467	464	467	464	467	417
135°	605	603	605	603	605	467
145°	733	730	733	730	733	458
155°	836	836	836	836	836	385
165°	906	909	906	909	906	256
175°	941	945	941	945	941	89
180°	947	947	947	947	947	



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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	13.4	12.6	11.8	10.7
92.5°	34.8	34.4	34.0	33.7	33.4	32.6	31.6	30.4	29.4	28.3	26.9
95°	63.3	63.1	62.8	62.4	62.1	61.4	60.2	59.0	57.9	56.7	55.1
97.5°	96.1	96.0	95.7	95.5	95.3	94.7	93.6	92.6	91.4	90.4	88.1
100°	120.8	120.6	120.2	119.9	119.6	118.7	117.2	115.7	114.2	112.7	110.7
102.5°	145.6	145.2	144.7	144.3	143.8	142.8	141.2	139.6	138.0	136.4	135.3
105°	182.8	182.3	181.8	181.3	180.8	180.1	179.1	178.1	177.1	176.2	175.1
107.5°	220.8	220.8	220.8	220.9	220.9	220.7	220.2	219.7	219.2	218.8	218.0
110°	249.1	249.3	249.4	249.6	249.8	249.6	249.1	248.6	248.2	247.6	247.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	276.8	277.1	277.4	277.7	278.1	278.1	277.8	277.6	277.4	277.1	276.5
115°	320.7	320.7	320.9	321.1	321.2	321.4	321.6	321.8	321.9	322.1	321.8
117.5°	363.4	364.0	364.7	365.3	366.0	366.3	366.1	366.0	365.8	365.7	365.4
120°	392.9	393.5	394.2	394.8	395.5	395.8	395.8	395.8	395.8	395.8	395.6
122.5°	422.4	422.8	423.4	423.9	424.4	424.7	424.9	425.0	425.1	425.3	424.8
125°	466.6	466.7	466.8	467.0	467.2	467.4	467.8	468.1	468.4	468.7	468.5
127.5°	509.0	509.3	509.6	510.0	510.3	510.6	510.7	510.9	511.0	511.2	511.0
130°	537.2	537.6	537.9	538.3	538.6	538.9	539.0	539.1	539.3	539.5	539.1
132.5°	563.8	564.3	564.8	565.2	565.6	566.0	566.1	566.3	566.5	566.7	566.7
135°	605.1	605.8	606.4	607.1	607.8	608.0	608.0	608.0	608.0	608.0	607.8
137.5°	645.5	646.3	647.1	647.9	648.8	649.0	648.8	648.7	648.5	648.3	647.9
140°	671.5	672.2	673.1	673.9	674.7	675.0	674.6	674.3	674.0	673.6	673.2
142.5°	696.2	697.0	697.9	698.6	699.5	699.7	699.6	699.4	699.2	699.0	698.3
145°	733.3	733.9	734.3	734.8	735.3	735.6	735.6	735.6	735.6	735.6	735.1
147.5°	765.1	766.2	767.2	768.4	769.5	769.9	769.5	769.0	768.6	768.3	767.9
150°	788.6	788.9	789.3	789.6	789.9	790.1	790.1	790.1	790.1	790.1	789.5
152.5°	808.0	808.7	809.3	809.8	810.4	810.5	810.1	809.7	809.4	809.0	808.7
155°	835.8	836.6	837.4	838.2	839.1	839.1	838.5	837.8	837.2	836.5	836.3
157.5°	858.9	860.0	861.1	862.1	863.3	863.5	862.8	862.1	861.5	860.8	860.6
160°	874.9	875.6	876.5	877.3	878.2	878.2	877.5	876.9	876.3	875.6	875.4
162.5°	888.4	889.4	890.3	891.3	892.2	892.3	891.6	890.7	889.9	889.2	889.1
165°	906.5	907.5	908.5	909.5	910.5	910.6	910.0	909.4	908.7	908.0	907.9
167.5°	921.0	922.0	923.0	924.1	925.0	925.1	924.1	923.1	922.1	921.1	921.1
170°	928.7	929.8	930.9	932.1	933.2	933.3	932.4	931.3	930.4	929.3	929.3
172.5°	935.1	936.1	937.2	938.2	939.2	939.2	938.2	937.3	936.2	935.3	935.3
175°	941.2	942.4	943.5	944.6	945.7	945.8	944.9	943.9	942.9	941.9	941.9
177.5°	944.7	945.7	946.6	947.4	948.4	948.5	947.6	946.9	946.1	945.3	945.5
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



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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°	25.4	24.0	22.6	21.5	20.5	19.7	18.8	17.8	18.8	19.7	20.5
95°	53.4	51.8	50.2	49.2	48.9	48.5	48.3	47.9	48.3	48.5	48.9
97.5°	85.9	83.6	81.3	80.1	80.0	79.8	79.7	79.6	79.7	79.8	80.0
100°	108.5	106.4	104.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2
102.5°	134.2	133.1	132.1	131.2	130.5	129.9	129.2	128.6	129.2	129.9	130.5
105°	174.2	173.2	172.2	171.4	170.5	169.7	168.9	168.1	168.9	169.7	170.5
107.5°	217.3	216.5	215.7	215.0	214.1	213.3	212.4	211.7	212.4	213.3	214.1
110°	246.7	246.2	245.7	245.1	244.2	243.4	242.6	241.8	242.6	243.4	244.2





TEST NUMBER: P333179-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.9	275.2	274.7	274.1	273.7	273.2	272.9	272.4	272.9	273.2	273.7
115°	321.4	321.1	320.7	320.3	319.6	319.0	318.3	317.6	318.3	319.0	319.6
117.5°	365.1	364.9	364.6	364.2	363.9	363.6	363.4	363.1	363.4	363.6	363.9
120°	395.5	395.3	395.1	394.6	393.8	393.0	392.2	391.3	392.2	393.0	393.8
122.5°	424.4	424.0	423.6	423.2	422.9	422.6	422.4	422.0	422.4	422.6	422.9
125°	468.4	468.3	468.1	467.5	466.6	465.5	464.6	463.5	464.6	465.5	466.6
127.5°	510.8	510.6	510.4	510.0	509.4	508.9	508.4	507.8	508.4	508.9	509.4
130°	538.9	538.5	538.2	537.6	536.8	536.0	535.2	534.3	535.2	536.0	536.8
132.5°	566.8	566.8	566.8	566.3	564.9	563.5	562.2	560.9	562.2	563.5	564.9
135°	607.8	607.6	607.4	606.8	605.9	604.8	603.9	602.9	603.9	604.8	605.9
137.5°	647.5	647.2	646.9	646.2	645.3	644.3	643.4	642.4	643.4	644.3	645.3
140°	672.7	672.1	671.7	671.0	670.2	669.4	668.5	667.8	668.5	669.4	670.2
142.5°	697.8	697.1	696.5	695.9	695.1	694.5	693.8	693.1	693.8	694.5	695.1
145°	734.5	734.1	733.6	733.0	732.4	731.7	731.0	730.4	731.0	731.7	732.4
147.5°	767.5	767.1	766.7	766.3	766.0	765.6	765.3	764.9	765.3	765.6	766.0
150°	788.8	788.2	787.5	787.2	787.4	787.6	787.7	787.9	787.7	787.6	787.4
152.5°	808.4	808.1	807.9	807.7	807.5	807.2	807.0	806.7	807.0	807.2	807.5
155°	836.2	836.0	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8
157.5°	860.5	860.4	860.2	860.3	860.6	861.0	861.4	861.8	861.4	861.0	860.6
160°	875.2	875.1	875.0	875.1	875.6	876.1	876.6	877.0	876.6	876.1	875.6
162.5°	889.1	889.0	889.0	889.2	889.6	889.9	890.2	890.6	890.2	889.9	889.6
165°	907.7	907.5	907.4	907.5	907.8	908.1	908.4	908.8	908.4	908.1	907.8
167.5°	921.1	921.1	921.1	921.4	922.1	922.7	923.4	924.1	923.4	922.7	922.1
170°	929.3	929.3	929.3	929.7	930.4	931.0	931.7	932.4	931.7	931.0	930.4
172.5°	935.3	935.3	935.3	935.6	936.2	936.9	937.5	938.2	937.5	936.9	936.2
175°	941.9	941.9	941.9	942.3	942.9	943.6	944.2	944.9	944.2	943.6	942.9
177.5°	945.6	945.7	945.8	946.1	946.7	947.3	947.7	948.3	947.7	947.3	946.7
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333179-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A1

**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	13.4	14.2	15.1	15.7
92.5°	21.5	22.6	24.0	25.4	26.9	28.3	29.4	30.4	31.6	32.6	33.4
95°	49.2	50.2	51.8	53.4	55.1	56.7	57.9	59.0	60.2	61.4	62.1
97.5°	80.1	81.3	83.6	85.9	88.1	90.4	91.4	92.6	93.6	94.7	95.3
100°	103.2	104.2	106.4	108.5	110.7	112.7	114.2	115.7	117.2	118.7	119.6
102.5°	131.2	132.1	133.1	134.2	135.3	136.4	138.0	139.6	141.2	142.8	143.8
105°	171.4	172.2	173.2	174.2	175.1	176.2	177.1	178.1	179.1	180.1	180.8
107.5°	215.0	215.7	216.5	217.3	218.0	218.8	219.2	219.7	220.2	220.7	220.9
110°	245.1	245.7	246.2	246.7	247.1	247.6	248.2	248.6	249.1	249.6	249.8



TEST NUMBER: P333179-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	274.1	274.7	275.2	275.9	276.5	277.1	277.4	277.6	277.8	278.1	278.1
115°	320.3	320.7	321.1	321.4	321.8	322.1	321.9	321.8	321.6	321.4	321.2
117.5°	364.2	364.6	364.9	365.1	365.4	365.7	365.8	366.0	366.1	366.3	366.0
120°	394.6	395.1	395.3	395.5	395.6	395.8	395.8	395.8	395.8	395.8	395.5
122.5°	423.2	423.6	424.0	424.4	424.8	425.3	425.1	425.0	424.9	424.7	424.4
125°	467.5	468.1	468.3	468.4	468.5	468.7	468.4	468.1	467.8	467.4	467.2
127.5°	510.0	510.4	510.6	510.8	511.0	511.2	511.0	510.9	510.7	510.6	510.3
130°	537.6	538.2	538.5	538.9	539.1	539.5	539.3	539.1	539.0	538.9	538.6
132.5°	566.3	566.8	566.8	566.8	566.7	566.7	566.5	566.3	566.1	566.0	565.6
135°	606.8	607.4	607.6	607.8	607.8	608.0	608.0	608.0	608.0	608.0	607.8
137.5°	646.2	646.9	647.2	647.5	647.9	648.3	648.5	648.7	648.8	649.0	648.8
140°	671.0	671.7	672.1	672.7	673.2	673.6	674.0	674.3	674.6	675.0	674.7
142.5°	695.9	696.5	697.1	697.8	698.3	699.0	699.2	699.4	699.6	699.7	699.5
145°	733.0	733.6	734.1	734.5	735.1	735.6	735.6	735.6	735.6	735.6	735.3
147.5°	766.3	766.7	767.1	767.5	767.9	768.3	768.6	769.0	769.5	769.9	769.5
150°	787.2	787.5	788.2	788.8	789.5	790.1	790.1	790.1	790.1	790.1	789.9
152.5°	807.7	807.9	808.1	808.4	808.7	809.0	809.4	809.7	810.1	810.5	810.4
155°	835.8	835.8	836.0	836.2	836.3	836.5	837.2	837.8	838.5	839.1	839.1
157.5°	860.3	860.2	860.4	860.5	860.6	860.8	861.5	862.1	862.8	863.5	863.3
160°	875.1	875.0	875.1	875.2	875.4	875.6	876.3	876.9	877.5	878.2	878.2
162.5°	889.2	889.0	889.0	889.1	889.1	889.2	889.9	890.7	891.6	892.3	892.2
165°	907.5	907.4	907.5	907.7	907.9	908.0	908.7	909.4	910.0	910.6	910.5
167.5°	921.4	921.1	921.1	921.1	921.1	921.1	922.1	923.1	924.1	925.1	925.0
170°	929.7	929.3	929.3	929.3	929.3	929.3	930.4	931.3	932.4	933.3	933.2
172.5°	935.6	935.3	935.3	935.3	935.3	935.3	936.2	937.3	938.2	939.2	939.2
175°	942.3	941.9	941.9	941.9	941.9	941.9	942.9	943.9	944.9	945.8	945.7
177.5°	946.1	945.8	945.7	945.6	945.5	945.3	946.1	946.9	947.6	948.5	948.4
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333179-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A1

**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	13.4
92.5°	33.7	34.0	34.4	34.8	34.4	34.0	33.7	33.4	32.6	31.6	30.4
95°	62.4	62.8	63.1	63.3	63.1	62.8	62.4	62.1	61.4	60.2	59.0
97.5°	95.5	95.7	96.0	96.1	96.0	95.7	95.5	95.3	94.7	93.6	92.6
100°	119.9	120.2	120.6	120.8	120.6	120.2	119.9	119.6	118.7	117.2	115.7
102.5°	144.3	144.7	145.2	145.6	145.2	144.7	144.3	143.8	142.8	141.2	139.6
105°	181.3	181.8	182.3	182.8	182.3	181.8	181.3	180.8	180.1	179.1	178.1
107.5°	220.9	220.8	220.8	220.8	220.8	220.8	220.9	220.9	220.7	220.2	219.7
110°	249.6	249.4	249.3	249.1	249.3	249.4	249.6	249.8	249.6	249.1	248.6



TEST NUMBER: P333179-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	277.7	277.4	277.1	276.8	277.1	277.4	277.7	278.1	278.1	277.8	277.6
115°	321.1	320.9	320.7	320.7	320.7	320.9	321.1	321.2	321.4	321.6	321.8
117.5°	365.3	364.7	364.0	363.4	364.0	364.7	365.3	366.0	366.3	366.1	366.0
120°	394.8	394.2	393.5	392.9	393.5	394.2	394.8	395.5	395.8	395.8	395.8
122.5°	423.9	423.4	422.8	422.4	422.8	423.4	423.9	424.4	424.7	424.9	425.0
125°	467.0	466.8	466.7	466.6	466.7	466.8	467.0	467.2	467.4	467.8	468.1
127.5°	510.0	509.6	509.3	509.0	509.3	509.6	510.0	510.3	510.6	510.7	510.9
130°	538.3	537.9	537.6	537.2	537.6	537.9	538.3	538.6	538.9	539.0	539.1
132.5°	565.2	564.8	564.3	563.8	564.3	564.8	565.2	565.6	566.0	566.1	566.3
135°	607.1	606.4	605.8	605.1	605.8	606.4	607.1	607.8	608.0	608.0	608.0
137.5°	647.9	647.1	646.3	645.5	646.3	647.1	647.9	648.8	649.0	648.8	648.7
140°	673.9	673.1	672.2	671.5	672.2	673.1	673.9	674.7	675.0	674.6	674.3
142.5°	698.6	697.9	697.0	696.2	697.0	697.9	698.6	699.5	699.7	699.6	699.4
145°	734.8	734.3	733.9	733.3	733.9	734.3	734.8	735.3	735.6	735.6	735.6
147.5°	768.4	767.2	766.2	765.1	766.2	767.2	768.4	769.5	769.9	769.5	769.0
150°	789.6	789.3	788.9	788.6	788.9	789.3	789.6	789.9	790.1	790.1	790.1
152.5°	809.8	809.3	808.7	808.0	808.7	809.3	809.8	810.4	810.5	810.1	809.7
155°	838.2	837.4	836.6	835.8	836.6	837.4	838.2	839.1	839.1	838.5	837.8
157.5°	862.1	861.1	860.0	858.9	860.0	861.1	862.1	863.3	863.5	862.8	862.1
160°	877.3	876.5	875.6	874.9	875.6	876.5	877.3	878.2	878.2	877.5	876.9
162.5°	891.3	890.3	889.4	888.4	889.4	890.3	891.3	892.2	892.3	891.6	890.7
165°	909.5	908.5	907.5	906.5	907.5	908.5	909.5	910.5	910.6	910.0	909.4
167.5°	924.1	923.0	922.0	921.0	922.0	923.0	924.1	925.0	925.1	924.1	923.1
170°	932.1	930.9	929.8	928.7	929.8	930.9	932.1	933.2	933.3	932.4	931.3
172.5°	938.2	937.2	936.1	935.1	936.1	937.2	938.2	939.2	939.2	938.2	937.3
175°	944.6	943.5	942.4	941.2	942.4	943.5	944.6	945.7	945.8	944.9	943.9
177.5°	947.4	946.6	945.7	944.7	945.7	946.6	947.4	948.4	948.5	947.6	946.9
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333179-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A1

**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°	29.4	28.3	26.9	25.4	24.0	22.6	21.5	20.5	19.7	18.8	17.8
95°	57.9	56.7	55.1	53.4	51.8	50.2	49.2	48.9	48.5	48.3	47.9
97.5°	91.4	90.4	88.1	85.9	83.6	81.3	80.1	80.0	79.8	79.7	79.6
100°	114.2	112.7	110.7	108.5	106.4	104.2	103.2	103.2	103.2	103.2	103.2
102.5°	138.0	136.4	135.3	134.2	133.1	132.1	131.2	130.5	129.9	129.2	128.6
105°	177.1	176.2	175.1	174.2	173.2	172.2	171.4	170.5	169.7	168.9	168.1
107.5°	219.2	218.8	218.0	217.3	216.5	215.7	215.0	214.1	213.3	212.4	211.7
110°	248.2	247.6	247.1	246.7	246.2	245.7	245.1	244.2	243.4	242.6	241.8



TEST NUMBER: P333179-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	277.4	277.1	276.5	275.9	275.2	274.7	274.1	273.7	273.2	272.9	272.4
115°	321.9	322.1	321.8	321.4	321.1	320.7	320.3	319.6	319.0	318.3	317.6
117.5°	365.8	365.7	365.4	365.1	364.9	364.6	364.2	363.9	363.6	363.4	363.1
120°	395.8	395.8	395.6	395.5	395.3	395.1	394.6	393.8	393.0	392.2	391.3
122.5°	425.1	425.3	424.8	424.4	424.0	423.6	423.2	422.9	422.6	422.4	422.0
125°	468.4	468.7	468.5	468.4	468.3	468.1	467.5	466.6	465.5	464.6	463.5
127.5°	511.0	511.2	511.0	510.8	510.6	510.4	510.0	509.4	508.9	508.4	507.8
130°	539.3	539.5	539.1	538.9	538.5	538.2	537.6	536.8	536.0	535.2	534.3
132.5°	566.5	566.7	566.7	566.8	566.8	566.8	566.3	564.9	563.5	562.2	560.9
135°	608.0	608.0	607.8	607.8	607.6	607.4	606.8	605.9	604.8	603.9	602.9
137.5°	648.5	648.3	647.9	647.5	647.2	646.9	646.2	645.3	644.3	643.4	642.4
140°	674.0	673.6	673.2	672.7	672.1	671.7	671.0	670.2	669.4	668.5	667.8
142.5°	699.2	699.0	698.3	697.8	697.1	696.5	695.9	695.1	694.5	693.8	693.1
145°	735.6	735.6	735.1	734.5	734.1	733.6	733.0	732.4	731.7	731.0	730.4
147.5°	768.6	768.3	767.9	767.5	767.1	766.7	766.3	766.0	765.6	765.3	764.9
150°	790.1	790.1	789.5	788.8	788.2	787.5	787.2	787.4	787.6	787.7	787.9
152.5°	809.4	809.0	808.7	808.4	808.1	807.9	807.7	807.5	807.2	807.0	806.7
155°	837.2	836.5	836.3	836.2	836.0	835.8	835.8	835.8	835.8	835.8	835.8
157.5°	861.5	860.8	860.6	860.5	860.4	860.2	860.3	860.6	861.0	861.4	861.8
160°	876.3	875.6	875.4	875.2	875.1	875.0	875.1	875.6	876.1	876.6	877.0
162.5°	889.9	889.2	889.1	889.1	889.0	889.0	889.2	889.6	889.9	890.2	890.6
165°	908.7	908.0	907.9	907.7	907.5	907.4	907.5	907.8	908.1	908.4	908.8
167.5°	922.1	921.1	921.1	921.1	921.1	921.1	921.4	922.1	922.7	923.4	924.1
170°	930.4	929.3	929.3	929.3	929.3	929.3	929.7	930.4	931.0	931.7	932.4
172.5°	936.2	935.3	935.3	935.3	935.3	935.3	935.6	936.2	936.9	937.5	938.2
175°	942.9	941.9	941.9	941.9	941.9	941.9	942.3	942.9	943.6	944.2	944.9
177.5°	946.1	945.3	945.5	945.6	945.7	945.8	946.1	946.7	947.3	947.7	948.3
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333179-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-A1

**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	13.4
92.5°	18.8	19.7	20.5	21.5	22.6	24.0	25.4	26.9	28.3	29.4	30.4
95°	48.3	48.5	48.9	49.2	50.2	51.8	53.4	55.1	56.7	57.9	59.0
97.5°	79.7	79.8	80.0	80.1	81.3	83.6	85.9	88.1	90.4	91.4	92.6
100°	103.2	103.2	103.2	103.2	104.2	106.4	108.5	110.7	112.7	114.2	115.7
102.5°	129.2	129.9	130.5	131.2	132.1	133.1	134.2	135.3	136.4	138.0	139.6
105°	168.9	169.7	170.5	171.4	172.2	173.2	174.2	175.1	176.2	177.1	178.1
107.5°	212.4	213.3	214.1	215.0	215.7	216.5	217.3	218.0	218.8	219.2	219.7
110°	242.6	243.4	244.2	245.1	245.7	246.2	246.7	247.1	247.6	248.2	248.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	272.9	273.2	273.7	274.1	274.7	275.2	275.9	276.5	277.1	277.4	277.6
115°	318.3	319.0	319.6	320.3	320.7	321.1	321.4	321.8	322.1	321.9	321.8
117.5°	363.4	363.6	363.9	364.2	364.6	364.9	365.1	365.4	365.7	365.8	366.0
120°	392.2	393.0	393.8	394.6	395.1	395.3	395.5	395.6	395.8	395.8	395.8
122.5°	422.4	422.6	422.9	423.2	423.6	424.0	424.4	424.8	425.3	425.1	425.0
125°	464.6	465.5	466.6	467.5	468.1	468.3	468.4	468.5	468.7	468.4	468.1
127.5°	508.4	508.9	509.4	510.0	510.4	510.6	510.8	511.0	511.2	511.0	510.9
130°	535.2	536.0	536.8	537.6	538.2	538.5	538.9	539.1	539.5	539.3	539.1
132.5°	562.2	563.5	564.9	566.3	566.8	566.8	566.8	566.7	566.7	566.5	566.3
135°	603.9	604.8	605.9	606.8	607.4	607.6	607.8	607.8	608.0	608.0	608.0
137.5°	643.4	644.3	645.3	646.2	646.9	647.2	647.5	647.9	648.3	648.5	648.7
140°	668.5	669.4	670.2	671.0	671.7	672.1	672.7	673.2	673.6	674.0	674.3
142.5°	693.8	694.5	695.1	695.9	696.5	697.1	697.8	698.3	699.0	699.2	699.4
145°	731.0	731.7	732.4	733.0	733.6	734.1	734.5	735.1	735.6	735.6	735.6
147.5°	765.3	765.6	766.0	766.3	766.7	767.1	767.5	767.9	768.3	768.6	769.0
150°	787.7	787.6	787.4	787.2	787.5	788.2	788.8	789.5	790.1	790.1	790.1
152.5°	807.0	807.2	807.5	807.7	807.9	808.1	808.4	808.7	809.0	809.4	809.7
155°	835.8	835.8	835.8	835.8	835.8	836.0	836.2	836.3	836.5	837.2	837.8
157.5°	861.4	861.0	860.6	860.3	860.2	860.4	860.5	860.6	860.8	861.5	862.1
160°	876.6	876.1	875.6	875.1	875.0	875.1	875.2	875.4	875.6	876.3	876.9
162.5°	890.2	889.9	889.6	889.2	889.0	889.0	889.1	889.1	889.2	889.9	890.7
165°	908.4	908.1	907.8	907.5	907.4	907.5	907.7	907.9	908.0	908.7	909.4
167.5°	923.4	922.7	922.1	921.4	921.1	921.1	921.1	921.1	921.1	922.1	923.1
170°	931.7	931.0	930.4	929.7	929.3	929.3	929.3	929.3	929.3	930.4	931.3
172.5°	937.5	936.9	936.2	935.6	935.3	935.3	935.3	935.3	935.3	936.2	937.3
175°	944.2	943.6	942.9	942.3	941.9	941.9	941.9	941.9	941.9	942.9	943.9
177.5°	947.7	947.3	946.7	946.1	945.8	945.7	945.6	945.5	945.3	946.1	946.9
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



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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°	31.6	32.6	33.4	33.7	34.0	34.4	34.8
95°	60.2	61.4	62.1	62.4	62.8	63.1	63.3
97.5°	93.6	94.7	95.3	95.5	95.7	96.0	96.1
100°	117.2	118.7	119.6	119.9	120.2	120.6	120.8
102.5°	141.2	142.8	143.8	144.3	144.7	145.2	145.6
105°	179.1	180.1	180.8	181.3	181.8	182.3	182.8
107.5°	220.2	220.7	220.9	220.9	220.8	220.8	220.8
110°	249.1	249.6	249.8	249.6	249.4	249.3	249.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	277.8	278.1	278.1	277.7	277.4	277.1	276.8
115°	321.6	321.4	321.2	321.1	320.9	320.7	320.7
117.5°	366.1	366.3	366.0	365.3	364.7	364.0	363.4
120°	395.8	395.8	395.5	394.8	394.2	393.5	392.9
122.5°	424.9	424.7	424.4	423.9	423.4	422.8	422.4
125°	467.8	467.4	467.2	467.0	466.8	466.7	466.6
127.5°	510.7	510.6	510.3	510.0	509.6	509.3	509.0
130°	539.0	538.9	538.6	538.3	537.9	537.6	537.2
132.5°	566.1	566.0	565.6	565.2	564.8	564.3	563.8
135°	608.0	608.0	607.8	607.1	606.4	605.8	605.1
137.5°	648.8	649.0	648.8	647.9	647.1	646.3	645.5
140°	674.6	675.0	674.7	673.9	673.1	672.2	671.5
142.5°	699.6	699.7	699.5	698.6	697.9	697.0	696.2
145°	735.6	735.6	735.3	734.8	734.3	733.9	733.3
147.5°	769.5	769.9	769.5	768.4	767.2	766.2	765.1
150°	790.1	790.1	789.9	789.6	789.3	788.9	788.6
152.5°	810.1	810.5	810.4	809.8	809.3	808.7	808.0
155°	838.5	839.1	839.1	838.2	837.4	836.6	835.8
157.5°	862.8	863.5	863.3	862.1	861.1	860.0	858.9
160°	877.5	878.2	878.2	877.3	876.5	875.6	874.9
162.5°	891.6	892.3	892.2	891.3	890.3	889.4	888.4
165°	910.0	910.6	910.5	909.5	908.5	907.5	906.5
167.5°	924.1	925.1	925.0	924.1	923.0	922.0	921.0
170°	932.4	933.3	933.2	932.1	930.9	929.8	928.7
172.5°	938.2	939.2	939.2	938.2	937.2	936.1	935.1
175°	944.9	945.8	945.7	944.6	943.5	942.4	941.2
177.5°	947.6	948.5	948.4	947.4	946.6	945.7	944.7
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1

(END OF REPORT)