

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: P333198-940

Luminaire Tested: **S125DIP-S610D1205U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333198-940  
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-S610D1205U940-4F0-1E-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: 6108.8 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

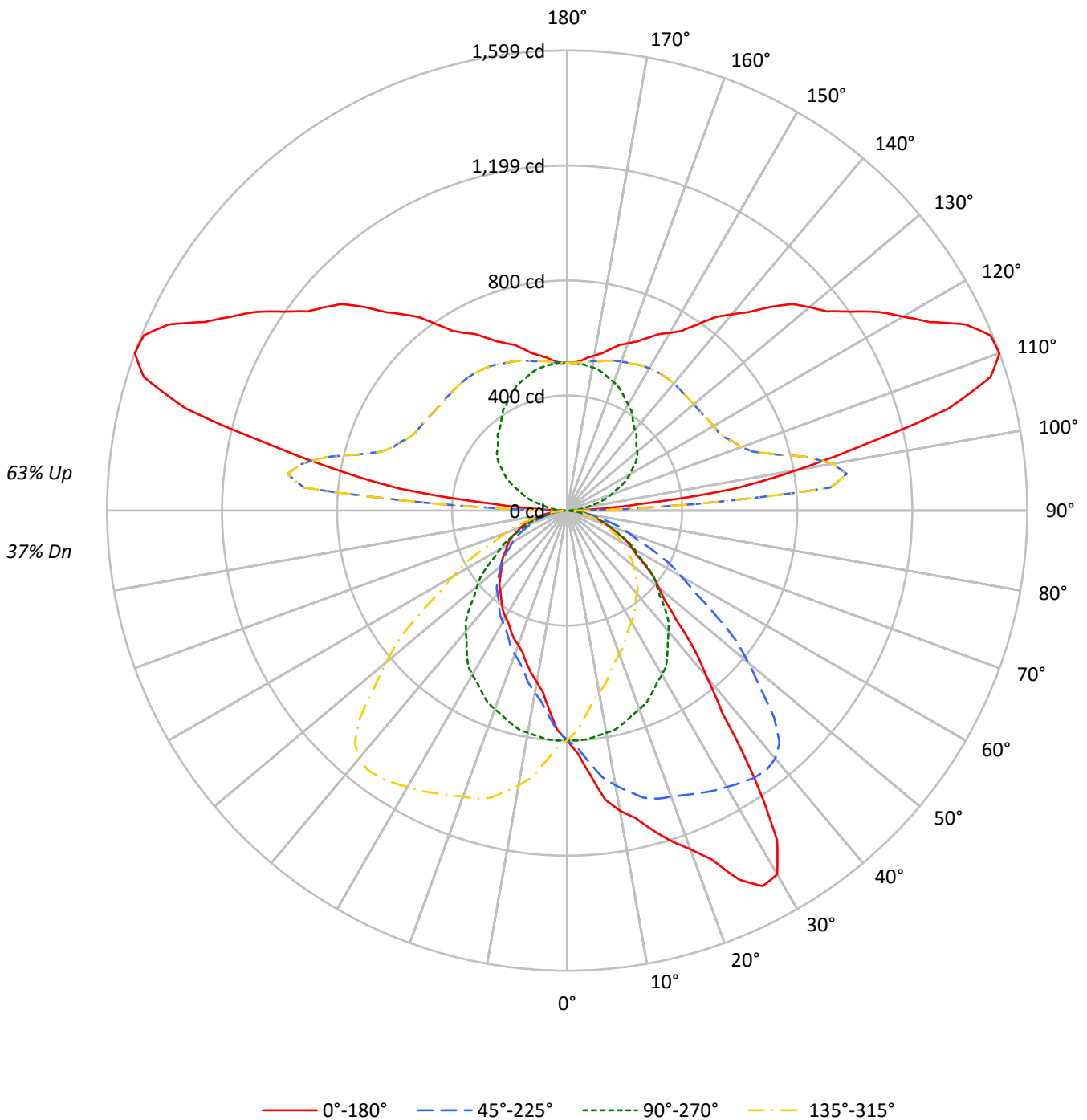
Input Watts (W): 49.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37
1	95	91	87	84	86	82	79	76	67	65	63	52	51	50	39	38	38	31
2	87	79	74	69	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	63	57	71	64	58	53	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	50	45	46	41	37	37	33	30	28	25	24	20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	21	17
6	61	49	41	36	55	45	38	33	37	32	28	30	26	23	23	20	18	15
7	56	44	37	31	51	41	34	29	34	28	25	27	23	20	21	18	16	13
8	52	40	33	28	47	37	30	26	31	25	22	25	21	18	19	16	14	12
9	49	37	29	24	44	34	27	23	28	23	19	23	19	16	17	15	13	11
10	45	34	26	22	41	31	25	20	26	21	17	21	17	15	16	14	12	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5154	5154	5154	5154
5°	5969	5172	4528	5172
10°	6944	5145	3968	5145
15°	7687	5107	3660	5107
20°	8605	5047	3413	5047
25°	10080	4980	3293	4980
30°	10888	4914	3188	4914
35°	8952	4788	3120	4788
40°	6363	4615	3044	4615
45°	4888	4381	3001	4381
50°	4173	4091	2995	4091
55°	3715	3806	3021	3806
60°	3352	3495	3099	3495
65°	3096	3183	3177	3183
70°	2814	2859	3225	2859
75°	2485	2518	3194	2518
80°	2094	2053	2923	2053
85°	1660	1482	2356	1482



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.8	1.3
10°-20°	228.8	3.7
20°-30°	371.4	6.1
30°-40°	453.1	7.4
40°-50°	412.2	6.7
50°-60°	328.3	5.4
60°-70°	228.7	3.7
70°-80°	121.9	2.0
80°-90°	33.6	0.6
90°-100°	372.5	6.1
100°-110°	800.8	13.1
110°-120°	751.5	12.3
120°-130°	609.1	10.0
130°-140°	488.8	8.0
140°-150°	368.8	6.0
150°-160°	259.6	4.3
160°-170°	153.0	2.5
170°-180°	49.8	0.8
0°-30°	677.0	11.1
0°-40°	1130.1	18.5
0°-60°	1870.6	30.6
0°-90°	2254.9	36.9
90°-120°	1924.8	31.5
90°-150°	3391.5	55.5
90°-180°	3854.0	63.1
0°-180°	6108.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	798	798	798	798	798	
5°	921	798	698	798	921	93
15°	1150	764	547	764	1150	329
25°	1415	699	462	699	1415	646
35°	1135	607	396	607	1135	695
45°	535	480	329	480	535	428
55°	330	338	268	338	330	297
65°	203	208	208	208	203	201
75°	100	101	128	101	100	107
85°	22	20	32	20	22	26
90°	24	1	24	1	24	17
95°	244	34	244	34	244	345
105°	1373	117	1373	117	1373	1365
115°	1529	209	1529	209	1529	1494
125°	1205	290	1205	290	1205	1090
135°	1001	340	1001	340	1001	776
145°	790	396	790	396	790	502
155°	662	452	662	452	662	309
165°	580	493	580	493	580	166
175°	521	513	521	513	521	51
180°	514	514	514	514	514	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	844.2	843.0	842.0	839.8	841.4	836.8	834.6	830.9	826.3	824.7	822.7
5°	920.7	922.4	924.1	916.9	917.7	912.9	902.1	893.2	886.2	877.0	870.6
7.5°	1012.8	1008.8	1008.5	1003.9	996.0	989.6	978.2	963.7	949.7	933.7	920.5
10°	1058.9	1059.3	1056.2	1050.8	1042.3	1036.2	1021.3	1007.1	989.8	969.5	954.9
12.5°	1093.6	1095.0	1091.2	1083.9	1079.7	1066.0	1054.4	1037.4	1016.9	1000.7	978.5
15°	1149.7	1145.9	1143.3	1134.1	1126.9	1112.8	1094.1	1076.5	1054.2	1033.5	1012.8
17.5°	1203.7	1206.8	1201.7	1193.3	1171.3	1154.6	1129.6	1105.5	1077.6	1050.0	1025.3
20°	1252.0	1254.7	1246.9	1232.3	1205.9	1189.3	1156.5	1125.2	1093.1	1057.6	1030.5
22.5°	1312.2	1310.0	1299.5	1277.3	1254.5	1223.7	1188.2	1150.2	1109.9	1069.7	1033.7
25°	1414.6	1400.3	1393.9	1366.5	1336.3	1291.3	1242.5	1187.0	1136.8	1083.6	1037.6
27.5°	1471.3	1466.9	1459.7	1440.6	1408.9	1360.8	1303.2	1235.6	1164.8	1097.7	1037.3
30°	1460.0	1460.6	1461.3	1455.2	1434.9	1398.6	1341.4	1268.5	1184.5	1109.0	1039.3
32.5°	1359.1	1371.5	1383.3	1397.2	1402.9	1396.0	1360.1	1294.3	1207.9	1122.0	1038.1
35°	1135.4	1139.2	1177.5	1215.4	1266.9	1306.9	1333.6	1304.5	1231.6	1133.1	1036.9
37.5°	885.3	903.7	930.1	973.0	1047.3	1113.8	1199.4	1238.8	1215.2	1136.7	1034.5
40°	754.7	771.7	788.9	832.6	895.3	975.9	1073.1	1156.1	1175.5	1125.2	1026.4
42.5°	653.9	667.4	686.5	719.3	771.7	843.1	936.0	1044.5	1111.2	1092.3	1009.3
45°	535.2	543.7	558.6	584.7	622.6	678.5	760.5	879.0	982.3	1016.6	968.8
47.5°	458.1	458.1	469.7	487.7	515.1	562.5	623.1	716.0	826.3	908.0	904.2
50°	415.3	413.6	422.8	438.4	460.0	491.5	549.5	623.7	729.7	822.2	847.8
52.5°	378.4	378.6	384.2	395.7	413.9	440.9	484.1	551.0	641.6	736.5	785.0
55°	329.9	328.6	335.0	342.8	356.1	373.6	404.8	455.9	529.4	622.9	685.9
57.5°	285.5	289.2	291.8	297.2	308.2	319.9	346.3	383.8	442.1	522.4	589.0
60°	259.5	263.2	265.2	270.6	279.5	289.6	310.0	340.5	389.6	458.7	524.7
62.5°	236.1	239.1	239.8	244.6	251.8	261.7	277.7	303.3	342.1	402.5	467.3
65°	202.6	202.6	203.9	209.0	212.4	221.2	233.4	252.0	283.2	330.3	385.5
67.5°	170.1	171.8	171.5	173.7	176.8	183.7	192.4	207.8	230.9	265.2	309.4
70°	149.0	150.4	150.1	151.8	155.2	159.5	166.7	181.2	197.8	227.3	265.2
72.5°	130.1	130.6	129.7	132.0	134.0	137.9	145.8	153.6	169.1	193.9	225.2
75°	99.6	100.2	100.9	102.3	104.3	106.4	110.4	118.2	128.4	147.0	167.0
77.5°	74.6	73.4	75.0	74.8	76.0	77.5	81.1	85.2	93.5	105.3	120.8
80°	56.3	56.5	56.5	56.9	58.6	59.7	62.7	65.7	72.1	81.0	91.8
82.5°	41.0	41.9	41.4	42.0	43.4	44.1	45.8	48.3	52.1	59.0	66.9
85°	22.4	20.7	21.3	22.0	22.0	22.4	23.7	24.7	26.8	29.4	32.5
87.5°	11.2	11.8	11.9	11.9	12.1	11.8	12.6	12.4	13.0	13.6	14.3
90°	23.8	23.8	22.8	22.8	22.8	20.7	19.7	18.6	17.7	16.6	14.5
92.5°	66.1	67.8	69.2	71.7	85.0	100.3	133.2	183.6	270.5	334.0	339.5
95°	243.5	260.1	268.3	299.4	373.0	460.0	587.5	744.9	898.3	918.0	749.1
97.5°	588.5	601.8	631.9	689.8	753.9	874.9	999.1	1109.5	1136.7	980.3	669.0
100°	808.2	824.7	863.1	937.7	1009.1	1117.0	1223.7	1274.4	1194.6	935.6	596.8
102.5°	1053.6	1066.0	1107.6	1160.7	1237.2	1310.1	1361.3	1330.0	1159.8	856.8	542.1
105°	1372.9	1385.3	1406.0	1440.2	1473.4	1484.8	1439.2	1297.3	1048.6	751.2	489.0
107.5°	1542.4	1550.7	1557.6	1557.7	1541.0	1486.8	1369.8	1180.4	935.0	678.4	466.6
110°	1598.7	1598.7	1591.5	1571.8	1525.2	1437.1	1291.0	1094.1	870.3	644.4	460.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1592.1	1584.7	1566.6	1532.9	1464.6	1360.8	1213.1	1026.2	822.2	624.6	460.0
115°	1529.3	1515.8	1486.8	1437.1	1356.3	1243.3	1101.4	940.8	769.8	603.1	463.2
117.5°	1419.2	1411.0	1382.2	1330.8	1250.0	1146.4	1024.1	885.6	738.5	592.5	470.0
120°	1348.0	1339.7	1311.7	1262.0	1185.4	1094.1	980.2	855.9	721.1	587.5	476.6
122.5°	1285.0	1277.6	1249.6	1204.0	1135.6	1050.3	948.7	833.5	706.2	583.4	482.4
125°	1205.1	1194.6	1171.9	1129.4	1071.4	996.8	906.6	800.9	685.9	578.2	492.1
127.5°	1136.7	1132.1	1110.5	1073.0	1020.4	950.6	866.4	767.8	667.3	575.7	503.1
130°	1099.3	1093.1	1072.4	1038.2	986.4	919.1	838.2	747.1	654.9	574.0	509.8
132.5°	1062.0	1055.0	1035.9	1001.7	949.9	885.0	811.7	726.3	644.9	574.0	517.2
135°	1000.9	994.7	976.1	941.8	896.3	837.2	770.9	699.4	633.1	574.0	527.4
137.5°	935.6	928.8	911.6	880.5	839.7	789.5	734.4	676.6	622.5	575.2	536.7
140°	890.0	884.8	869.3	842.4	804.1	760.5	712.8	664.1	617.5	576.0	540.8
142.5°	847.7	843.4	828.7	805.9	773.4	735.7	694.6	653.4	613.4	576.9	543.3
145°	789.5	785.4	774.0	756.3	731.5	703.6	671.4	639.3	607.2	576.0	546.1
147.5°	740.2	738.3	731.7	717.6	697.9	676.8	652.1	626.1	600.7	573.4	547.1
150°	712.8	711.9	707.7	695.3	679.7	661.0	641.4	618.6	595.8	570.9	547.1
152.5°	691.3	690.3	686.1	676.2	663.2	648.6	630.6	610.3	590.0	567.6	546.3
155°	662.1	661.0	657.9	650.7	640.3	628.9	614.4	597.8	580.2	561.6	543.9
157.5°	636.0	636.1	633.3	627.2	619.2	610.3	599.1	585.4	571.1	555.4	541.3
160°	618.6	619.6	617.5	612.3	605.1	597.8	587.5	577.1	563.7	551.3	538.8
162.5°	602.8	603.1	602.6	598.2	592.6	586.2	577.6	568.0	557.1	546.3	536.3
165°	580.2	580.2	580.2	578.2	574.0	568.8	562.6	555.4	547.1	538.8	532.5
167.5°	559.5	559.7	560.5	558.7	556.6	552.9	548.1	543.3	537.3	531.5	526.7
170°	547.1	548.1	548.1	547.1	545.0	543.0	539.8	536.7	531.5	527.4	524.3
172.5°	535.5	536.5	538.1	536.3	535.9	534.7	532.4	529.2	525.8	522.5	520.9
175°	521.2	522.2	524.3	523.3	523.3	523.3	521.2	521.2	518.1	517.0	517.0
177.5°	513.9	513.9	516.4	515.6	516.4	516.4	516.4	515.6	514.8	513.9	513.9
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	821.1	819.2	817.1	813.2	808.6	806.2	802.5	800.0	795.0	791.0	786.7
5°	862.7	854.0	845.9	835.4	823.9	816.4	807.5	797.7	787.6	777.0	765.5
7.5°	905.9	890.4	873.4	855.2	837.4	821.0	805.3	790.0	775.6	758.2	743.5
10°	935.0	915.3	894.3	869.5	845.5	824.5	803.2	784.5	765.5	745.2	727.3
12.5°	963.9	937.7	908.1	880.9	852.0	826.7	801.6	777.8	753.9	731.4	710.5
15°	984.4	961.4	933.9	895.3	862.7	827.9	794.7	763.8	735.0	710.0	683.6
17.5°	997.8	968.2	938.7	901.7	859.1	820.0	782.4	747.2	714.7	682.9	657.5
20°	1000.3	969.8	939.0	902.8	859.1	814.3	776.8	734.4	699.5	666.6	635.4
22.5°	999.5	964.9	931.4	894.0	851.5	810.3	764.8	721.7	683.8	651.5	618.9
25°	991.8	954.9	912.9	875.3	833.3	789.6	743.5	698.8	660.2	623.3	591.1
27.5°	985.4	937.5	890.0	846.1	805.6	765.5	721.5	675.6	632.8	595.4	565.1
30°	977.6	925.1	871.6	825.8	784.2	745.2	703.6	658.9	614.1	577.6	545.0
32.5°	970.5	909.4	852.9	803.1	759.0	721.1	682.7	640.2	596.3	559.1	526.6
35°	957.0	886.2	821.4	765.2	718.1	679.2	647.0	607.3	567.0	531.1	500.0
37.5°	939.7	855.7	786.2	727.3	675.6	634.6	604.7	574.3	535.6	501.0	472.8
40°	926.1	834.0	760.5	700.2	646.7	604.0	576.2	547.4	515.2	483.0	453.3
42.5°	909.0	814.5	734.4	669.6	616.6	575.0	545.8	521.4	493.0	463.0	435.3
45°	877.7	779.1	692.4	622.6	569.1	528.1	497.9	479.7	458.3	429.9	406.5
47.5°	831.5	736.6	646.9	574.9	519.7	481.7	453.4	435.9	420.9	399.8	378.5
50°	790.6	704.9	614.1	542.7	487.4	449.2	423.1	407.2	394.3	378.0	360.1
52.5°	744.8	665.0	581.9	511.2	456.6	418.8	393.2	379.2	368.5	356.9	339.2
55°	672.1	604.3	527.1	460.0	409.6	372.6	350.3	338.0	329.2	320.5	309.6
57.5°	591.9	539.0	470.5	409.2	362.7	329.1	308.3	296.4	289.5	285.0	278.7
60°	535.6	490.2	431.2	375.3	329.9	300.1	279.8	270.6	264.9	261.2	256.5
62.5°	483.2	445.9	391.4	340.4	300.7	272.5	254.3	245.5	240.0	238.2	234.2
65°	406.2	377.4	332.3	290.0	256.1	232.0	216.8	208.3	204.9	202.9	203.2
67.5°	330.2	312.6	276.5	240.4	213.3	193.1	180.9	174.4	172.7	170.0	170.0
70°	283.8	270.6	240.1	208.7	184.6	169.1	158.2	151.4	149.7	148.4	148.0
72.5°	242.9	231.4	204.9	179.7	158.1	144.4	135.5	131.3	128.6	127.8	127.7
75°	182.6	176.1	155.2	135.2	120.3	110.8	104.7	100.9	98.9	98.5	98.9
77.5°	129.8	124.2	110.8	96.7	87.3	80.1	74.9	73.7	71.3	71.4	71.1
80°	97.6	93.8	85.3	74.2	66.4	60.3	57.6	55.2	54.6	53.5	54.6
82.5°	70.7	66.7	61.0	53.9	47.4	43.8	41.0	40.3	39.9	39.4	39.6
85°	34.9	35.2	31.8	26.4	23.7	21.7	20.0	20.0	19.6	19.4	19.6
87.5°	14.6	13.6	12.4	11.1	9.4	8.1	7.5	7.5	7.0	7.0	7.8
90°	13.5	11.4	10.3	8.3	6.2	4.1	2.1	1.1	2.1	4.1	6.2
92.5°	236.5	141.5	85.0	54.8	36.9	24.1	15.3	12.7	15.3	24.1	36.9
95°	463.2	235.2	124.3	77.7	54.9	43.5	35.2	34.2	35.2	43.5	54.9
97.5°	369.7	202.7	129.3	95.8	75.3	63.8	58.1	56.8	58.1	63.8	75.3
100°	335.7	201.0	140.9	109.9	90.2	78.7	74.6	72.5	74.6	78.7	90.2
102.5°	321.6	208.5	155.0	124.8	106.7	94.5	91.2	90.0	91.2	94.5	106.7
105°	316.0	223.8	178.3	149.2	132.6	122.3	117.1	117.1	117.1	122.3	132.6
107.5°	325.6	246.6	202.4	176.4	159.2	150.6	145.7	143.6	145.7	150.6	159.2
110°	334.7	263.1	220.7	193.8	178.3	168.9	164.8	162.6	164.8	168.9	178.3





TEST NUMBER: P333198-940

CATALOG NUMBER: S125DIP-S610D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	346.3	278.9	238.1	212.0	196.4	187.1	183.8	181.7	183.8	187.1	196.4
115°	363.6	303.6	265.3	239.3	223.8	214.5	211.3	209.3	211.3	214.5	223.8
117.5°	383.6	328.9	292.6	267.5	249.9	240.6	237.3	234.2	237.3	240.6	249.9
120°	396.8	347.1	310.9	284.9	267.3	258.0	253.9	250.7	253.9	258.0	267.3
122.5°	411.8	364.5	328.2	302.4	283.0	273.8	270.5	268.1	270.5	273.8	283.0
125°	432.0	387.5	353.3	326.4	306.7	297.4	292.2	290.1	292.2	297.4	306.7
127.5°	450.8	409.7	376.7	349.8	328.9	317.1	310.4	307.3	310.4	317.1	328.9
130°	463.2	423.7	391.6	364.7	343.0	329.5	321.2	318.1	321.2	329.5	343.0
132.5°	473.9	437.0	404.9	378.0	355.4	340.3	330.3	326.4	330.3	340.3	355.4
135°	489.0	454.9	422.8	394.8	373.0	356.4	344.0	339.8	344.0	356.4	373.0
137.5°	500.2	467.5	438.3	409.5	388.2	371.6	360.0	356.9	360.0	371.6	388.2
140°	507.7	476.6	446.6	418.6	399.0	382.4	369.9	366.8	369.9	382.4	399.0
142.5°	511.8	482.4	454.1	427.8	408.8	392.3	380.7	378.4	380.7	392.3	408.8
145°	518.1	492.1	465.2	441.4	422.8	408.2	397.9	395.8	397.9	408.2	422.8
147.5°	521.8	498.4	474.7	453.8	437.7	424.2	415.3	414.0	415.3	424.2	437.7
150°	524.3	502.5	479.7	462.1	447.6	434.2	426.9	424.8	426.9	434.2	447.6
152.5°	525.9	506.7	485.5	469.6	455.9	444.1	437.7	436.4	437.7	444.1	455.9
155°	527.4	510.8	493.2	478.7	468.3	458.0	451.7	451.7	451.7	458.0	468.3
157.5°	528.4	514.3	499.2	488.2	479.1	470.2	465.2	465.5	465.2	470.2	479.1
160°	528.4	516.0	502.5	493.2	484.9	477.7	473.5	474.6	473.5	477.7	484.9
162.5°	527.6	517.6	505.9	498.2	491.5	485.1	481.0	482.0	481.0	485.1	491.5
165°	526.4	518.1	509.8	503.5	499.4	494.3	491.2	493.2	491.2	494.3	499.4
167.5°	523.9	518.1	511.2	507.3	504.4	501.5	499.6	500.7	499.6	501.5	504.4
170°	522.2	518.1	512.9	509.8	507.7	505.6	504.6	505.6	504.6	505.6	507.7
172.5°	520.6	517.2	512.9	511.4	510.1	508.1	507.1	509.0	507.1	508.1	510.1
175°	518.1	516.0	512.9	512.9	512.9	511.8	510.8	512.9	510.8	511.8	512.9
177.5°	515.6	514.8	513.1	513.1	513.9	513.1	513.1	514.8	513.1	513.1	513.9
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333198-940

CATALOG NUMBER: S125DIP-S610D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	784.3	781.2	778.8	773.4	770.4	766.3	763.1	766.6	762.9	764.5	762.1
5°	759.8	750.3	743.5	733.7	725.2	717.5	711.7	710.7	707.9	706.6	702.6
7.5°	730.4	718.5	706.9	694.0	683.1	672.2	665.0	659.2	655.4	650.3	646.8
10°	713.0	697.1	683.6	668.0	654.4	642.6	633.1	628.4	623.9	617.5	615.2
12.5°	691.6	675.2	658.6	641.9	629.0	615.7	607.6	600.5	597.4	590.1	589.4
15°	665.9	641.2	625.0	608.1	590.0	579.3	572.5	564.7	561.3	556.2	552.5
17.5°	635.3	613.2	592.9	575.4	560.0	550.9	542.4	537.1	531.3	528.0	521.8
20°	613.1	592.1	571.8	553.1	541.3	530.8	524.1	519.0	512.8	511.1	505.1
22.5°	594.4	571.2	551.7	536.1	523.2	511.3	504.0	500.5	496.3	491.1	489.9
25°	564.0	539.9	523.3	507.7	496.2	485.4	480.4	475.9	471.9	468.1	466.8
27.5°	537.7	516.2	496.5	482.4	472.4	462.5	458.1	452.7	449.7	446.7	443.1
30°	519.3	497.3	480.0	466.5	455.6	446.8	442.0	438.4	435.6	432.9	430.9
32.5°	500.3	479.9	463.2	450.0	439.1	432.5	428.2	425.6	422.6	419.4	416.8
35°	475.3	452.9	436.7	425.1	416.6	411.5	406.8	404.5	401.1	401.1	398.3
37.5°	447.0	427.7	413.3	402.8	395.2	390.7	385.6	384.0	381.7	380.3	379.4
40°	430.2	412.2	398.7	388.2	380.0	376.3	372.3	369.5	368.2	366.5	365.9
42.5°	412.9	395.7	382.7	373.0	366.0	362.7	359.0	357.1	354.4	352.1	351.8
45°	386.5	369.9	358.0	350.3	344.2	340.5	338.0	334.0	332.6	329.9	329.6
47.5°	361.5	345.5	333.9	327.5	322.2	319.1	315.4	311.4	309.8	308.4	308.4
50°	342.8	328.2	317.4	311.3	306.2	301.8	298.1	295.4	294.4	294.4	295.1
52.5°	323.9	311.5	302.2	294.8	290.0	285.3	281.9	280.2	278.7	280.3	281.5
55°	296.0	283.6	276.8	269.7	264.9	259.5	257.8	257.1	256.1	258.8	260.1
57.5°	266.6	257.9	249.9	242.9	238.6	235.5	233.2	232.8	234.7	235.9	240.4
60°	248.0	237.8	230.7	225.2	220.2	218.1	217.5	216.8	218.1	221.9	227.7
62.5°	227.4	219.1	211.4	207.4	203.7	200.3	200.1	200.5	203.2	207.5	213.3
65°	197.2	190.0	184.9	180.2	177.2	175.1	175.8	177.2	180.2	186.0	192.4
67.5°	166.5	161.6	157.0	153.2	150.3	150.3	151.0	153.0	156.6	163.2	169.1
70°	146.7	141.2	137.5	135.8	133.5	132.2	134.1	137.5	140.5	146.7	151.8
72.5°	126.9	122.3	119.4	118.2	117.2	116.1	116.8	120.5	124.6	130.7	136.6
75°	97.6	95.9	93.8	92.5	91.5	92.1	92.8	96.2	99.6	106.0	112.8
77.5°	71.2	69.5	68.2	67.9	67.3	67.7	69.6	72.1	75.4	80.1	85.2
80°	53.9	53.1	52.5	52.2	52.2	52.5	55.2	56.9	59.9	64.4	68.4
82.5°	39.2	38.8	38.7	38.6	38.9	39.0	40.6	42.8	45.3	48.7	52.2
85°	20.7	20.0	21.0	21.3	20.7	21.7	22.4	23.7	24.7	26.4	28.1
87.5°	8.5	9.4	9.4	10.0	10.3	11.1	11.1	12.4	13.1	13.9	14.0
90°	8.3	10.3	11.4	13.5	14.5	16.6	17.7	18.6	19.7	20.7	22.8
92.5°	54.8	85.0	141.5	236.5	339.5	334.0	270.5	183.6	133.2	100.3	85.0
95°	77.7	124.3	235.2	463.2	749.1	918.0	898.3	744.9	587.5	460.0	373.0
97.5°	95.8	129.3	202.7	369.7	669.0	980.3	1136.7	1109.5	999.1	874.9	753.9
100°	109.9	140.9	201.0	335.7	596.8	935.6	1194.6	1274.4	1223.7	1117.0	1009.1
102.5°	124.8	155.0	208.5	321.6	542.1	856.8	1159.8	1330.0	1361.3	1310.1	1237.2
105°	149.2	178.3	223.8	316.0	489.0	751.2	1048.6	1297.3	1439.2	1484.8	1473.4
107.5°	176.4	202.4	246.6	325.6	466.6	678.4	935.0	1180.4	1369.8	1486.8	1541.0
110°	193.8	220.7	263.1	334.7	460.0	644.4	870.3	1094.1	1291.0	1437.1	1525.2



TEST NUMBER: P333198-940

CATALOG NUMBER: S125DIP-S610D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	212.0	238.1	278.9	346.3	460.0	624.6	822.2	1026.2	1213.1	1360.8	1464.6
115°	239.3	265.3	303.6	363.6	463.2	603.1	769.8	940.8	1101.4	1243.3	1356.3
117.5°	267.5	292.6	328.9	383.6	470.0	592.5	738.5	885.6	1024.1	1146.4	1250.0
120°	284.9	310.9	347.1	396.8	476.6	587.5	721.1	855.9	980.2	1094.1	1185.4
122.5°	302.4	328.2	364.5	411.8	482.4	583.4	706.2	833.5	948.7	1050.3	1135.6
125°	326.4	353.3	387.5	432.0	492.1	578.2	685.9	800.9	906.6	996.8	1071.4
127.5°	349.8	376.7	409.7	450.8	503.1	575.7	667.3	767.8	866.4	950.6	1020.4
130°	364.7	391.6	423.7	463.2	509.8	574.0	654.9	747.1	838.2	919.1	986.4
132.5°	378.0	404.9	437.0	473.9	517.2	574.0	644.9	726.3	811.7	885.0	949.9
135°	394.8	422.8	454.9	489.0	527.4	574.0	633.1	699.4	770.9	837.2	896.3
137.5°	409.5	438.3	467.5	500.2	536.7	575.2	622.5	676.6	734.4	789.5	839.7
140°	418.6	446.6	476.6	507.7	540.8	576.0	617.5	664.1	712.8	760.5	804.1
142.5°	427.8	454.1	482.4	511.8	543.3	576.9	613.4	653.4	694.6	735.7	773.4
145°	441.4	465.2	492.1	518.1	546.1	576.0	607.2	639.3	671.4	703.6	731.5
147.5°	453.8	474.7	498.4	521.8	547.1	573.4	600.7	626.1	652.1	676.8	697.9
150°	462.1	479.7	502.5	524.3	547.1	570.9	595.8	618.6	641.4	661.0	679.7
152.5°	469.6	485.5	506.7	525.9	546.3	567.6	590.0	610.3	630.6	648.6	663.2
155°	478.7	493.2	510.8	527.4	543.9	561.6	580.2	597.8	614.4	628.9	640.3
157.5°	488.2	499.2	514.3	528.4	541.3	555.4	571.1	585.4	599.1	610.3	619.2
160°	493.2	502.5	516.0	528.4	538.8	551.3	563.7	577.1	587.5	597.8	605.1
162.5°	498.2	505.9	517.6	527.6	536.3	546.3	557.1	568.0	577.6	586.2	592.6
165°	503.5	509.8	518.1	526.4	532.5	538.8	547.1	555.4	562.6	568.8	574.0
167.5°	507.3	511.2	518.1	523.9	526.7	531.5	537.3	543.3	548.1	552.9	556.6
170°	509.8	512.9	518.1	522.2	524.3	527.4	531.5	536.7	539.8	543.0	545.0
172.5°	511.4	512.9	517.2	520.6	520.9	522.5	525.8	529.2	532.4	534.7	535.9
175°	512.9	512.9	516.0	518.1	517.0	517.0	518.1	521.2	521.2	523.3	523.3
177.5°	513.1	513.1	514.8	515.6	513.9	513.9	514.8	515.6	516.4	516.4	516.4
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333198-940

CATALOG NUMBER: S125DIP-S610D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	760.4	762.3	760.7	762.9	760.7	762.3	760.4	762.1	764.5	762.9	766.6
5°	700.9	697.8	699.8	698.5	699.8	697.8	700.9	702.6	706.6	707.9	710.7
7.5°	645.9	642.9	639.6	638.0	639.6	642.9	645.9	646.8	650.3	655.4	659.2
10°	611.4	607.7	607.3	605.0	607.3	607.7	611.4	615.2	617.5	623.9	628.4
12.5°	586.2	582.7	578.9	577.9	578.9	582.7	586.2	589.4	590.1	597.4	600.5
15°	550.5	547.8	545.4	547.4	545.4	547.8	550.5	552.5	556.2	561.3	564.7
17.5°	520.7	518.4	518.1	515.6	518.1	518.4	520.7	521.8	528.0	531.3	537.1
20°	502.0	500.3	501.0	496.6	501.0	500.3	502.0	505.1	511.1	512.8	519.0
22.5°	487.1	483.8	483.4	482.5	483.4	483.8	487.1	489.9	491.1	496.3	500.5
25°	463.8	462.1	460.4	462.1	460.4	462.1	463.8	466.8	468.1	471.9	475.9
27.5°	443.4	441.3	440.9	441.0	440.9	441.3	443.4	443.1	446.7	449.7	452.7
30°	430.9	427.5	427.8	427.5	427.8	427.5	430.9	430.9	432.9	435.6	438.4
32.5°	417.3	415.0	414.6	413.9	414.6	415.0	417.3	416.8	419.4	422.6	425.6
35°	397.3	397.3	395.7	395.7	395.7	397.3	397.3	398.3	401.1	401.1	404.5
37.5°	378.5	378.3	377.2	377.4	377.2	378.3	378.5	379.4	380.3	381.7	384.0
40°	364.4	364.2	363.1	361.1	363.1	364.2	364.4	365.9	366.5	368.2	369.5
42.5°	351.0	349.8	349.3	348.7	349.3	349.8	351.0	351.8	352.1	354.4	357.1
45°	329.6	329.6	329.0	328.6	329.0	329.6	329.6	329.6	329.9	332.6	334.0
47.5°	308.9	309.5	310.8	310.6	310.8	309.5	308.9	308.4	308.4	309.8	311.4
50°	296.4	296.8	297.7	298.1	297.7	296.8	296.4	295.1	294.4	294.4	295.4
52.5°	282.6	284.5	285.8	285.6	285.8	284.5	282.6	281.5	280.3	278.7	280.2
55°	263.2	265.6	268.0	268.3	268.0	265.6	263.2	260.1	258.8	256.1	257.1
57.5°	244.1	247.4	249.9	250.7	249.9	247.4	244.1	240.4	235.9	234.7	232.8
60°	231.0	235.4	238.4	239.9	238.4	235.4	231.0	227.7	221.9	218.1	216.8
62.5°	218.6	223.5	226.6	226.9	226.6	223.5	218.6	213.3	207.5	203.2	200.5
65°	198.1	203.2	206.0	207.9	206.0	203.2	198.1	192.4	186.0	180.2	177.2
67.5°	176.2	181.3	184.3	185.9	184.3	181.3	176.2	169.1	163.2	156.6	153.0
70°	160.2	165.3	169.3	170.8	169.3	165.3	160.2	151.8	146.7	140.5	137.5
72.5°	144.5	149.0	152.3	153.9	152.3	149.0	144.5	136.6	130.7	124.6	120.5
75°	117.2	123.3	126.4	128.0	126.4	123.3	117.2	112.8	106.0	99.6	96.2
77.5°	90.4	95.9	97.7	98.6	97.7	95.9	90.4	85.2	80.1	75.4	72.1
80°	72.5	75.9	78.3	78.6	78.3	75.9	72.5	68.4	64.4	59.9	56.9
82.5°	55.7	58.5	59.3	60.2	59.3	58.5	55.7	52.2	48.7	45.3	42.8
85°	30.5	31.8	32.2	31.8	32.2	31.8	30.5	28.1	26.4	24.7	23.7
87.5°	14.6	14.4	14.5	15.1	14.5	14.4	14.6	14.0	13.9	13.1	12.4
90°	22.8	22.8	23.8	23.8	23.8	22.8	22.8	22.8	20.7	19.7	18.6
92.5°	71.7	69.2	67.8	66.1	67.8	69.2	71.7	85.0	100.3	133.2	183.6
95°	299.4	268.3	260.1	243.5	260.1	268.3	299.4	373.0	460.0	587.5	744.9
97.5°	689.8	631.9	601.8	588.5	601.8	631.9	689.8	753.9	874.9	999.1	1109.5
100°	937.7	863.1	824.7	808.2	824.7	863.1	937.7	1009.1	1117.0	1223.7	1274.4
102.5°	1160.7	1107.6	1066.0	1053.6	1066.0	1107.6	1160.7	1237.2	1310.1	1361.3	1330.0
105°	1440.2	1406.0	1385.3	1372.9	1385.3	1406.0	1440.2	1473.4	1484.8	1439.2	1297.3
107.5°	1557.7	1557.6	1550.7	1542.4	1550.7	1557.6	1557.7	1541.0	1486.8	1369.8	1180.4
110°	1571.8	1591.5	1598.7	1598.7	1598.7	1591.5	1571.8	1525.2	1437.1	1291.0	1094.1



TEST NUMBER: P333198-940

CATALOG NUMBER: S125DIP-S610D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1532.9	1566.6	1584.7	1592.1	1584.7	1566.6	1532.9	1464.6	1360.8	1213.1	1026.2
115°	1437.1	1486.8	1515.8	1529.3	1515.8	1486.8	1437.1	1356.3	1243.3	1101.4	940.8
117.5°	1330.8	1382.2	1411.0	1419.2	1411.0	1382.2	1330.8	1250.0	1146.4	1024.1	885.6
120°	1262.0	1311.7	1339.7	1348.0	1339.7	1311.7	1262.0	1185.4	1094.1	980.2	855.9
122.5°	1204.0	1249.6	1277.6	1285.0	1277.6	1249.6	1204.0	1135.6	1050.3	948.7	833.5
125°	1129.4	1171.9	1194.6	1205.1	1194.6	1171.9	1129.4	1071.4	996.8	906.6	800.9
127.5°	1073.0	1110.5	1132.1	1136.7	1132.1	1110.5	1073.0	1020.4	950.6	866.4	767.8
130°	1038.2	1072.4	1093.1	1099.3	1093.1	1072.4	1038.2	986.4	919.1	838.2	747.1
132.5°	1001.7	1035.9	1055.0	1062.0	1055.0	1035.9	1001.7	949.9	885.0	811.7	726.3
135°	941.8	976.1	994.7	1000.9	994.7	976.1	941.8	896.3	837.2	770.9	699.4
137.5°	880.5	911.6	928.8	935.6	928.8	911.6	880.5	839.7	789.5	734.4	676.6
140°	842.4	869.3	884.8	890.0	884.8	869.3	842.4	804.1	760.5	712.8	664.1
142.5°	805.9	828.7	843.4	847.7	843.4	828.7	805.9	773.4	735.7	694.6	653.4
145°	756.3	774.0	785.4	789.5	785.4	774.0	756.3	731.5	703.6	671.4	639.3
147.5°	717.6	731.7	738.3	740.2	738.3	731.7	717.6	697.9	676.8	652.1	626.1
150°	695.3	707.7	711.9	712.8	711.9	707.7	695.3	679.7	661.0	641.4	618.6
152.5°	676.2	686.1	690.3	691.3	690.3	686.1	676.2	663.2	648.6	630.6	610.3
155°	650.7	657.9	661.0	662.1	661.0	657.9	650.7	640.3	628.9	614.4	597.8
157.5°	627.2	633.3	636.1	636.0	636.1	633.3	627.2	619.2	610.3	599.1	585.4
160°	612.3	617.5	619.6	618.6	619.6	617.5	612.3	605.1	597.8	587.5	577.1
162.5°	598.2	602.6	603.1	602.8	603.1	602.6	598.2	592.6	586.2	577.6	568.0
165°	578.2	580.2	580.2	580.2	580.2	580.2	578.2	574.0	568.8	562.6	555.4
167.5°	558.7	560.5	559.7	559.5	559.7	560.5	558.7	556.6	552.9	548.1	543.3
170°	547.1	548.1	548.1	547.1	548.1	548.1	547.1	545.0	543.0	539.8	536.7
172.5°	536.3	538.1	536.5	535.5	536.5	538.1	536.3	535.9	534.7	532.4	529.2
175°	523.3	524.3	522.2	521.2	522.2	524.3	523.3	523.3	523.3	521.2	521.2
177.5°	515.6	516.4	513.9	513.9	513.9	516.4	515.6	516.4	516.4	516.4	515.6
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333198-940

CATALOG NUMBER: S125DIP-S610D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	763.1	766.3	770.4	773.4	778.8	781.2	784.3	786.7	791.0	795.0	800.0
5°	711.7	717.5	725.2	733.7	743.5	750.3	759.8	765.5	777.0	787.6	797.7
7.5°	665.0	672.2	683.1	694.0	706.9	718.5	730.4	743.5	758.2	775.6	790.0
10°	633.1	642.6	654.4	668.0	683.6	697.1	713.0	727.3	745.2	765.5	784.5
12.5°	607.6	615.7	629.0	641.9	658.6	675.2	691.6	710.5	731.4	753.9	777.8
15°	572.5	579.3	590.0	608.1	625.0	641.2	665.9	683.6	710.0	735.0	763.8
17.5°	542.4	550.9	560.0	575.4	592.9	613.2	635.3	657.5	682.9	714.7	747.2
20°	524.1	530.8	541.3	553.1	571.8	592.1	613.1	635.4	666.6	699.5	734.4
22.5°	504.0	511.3	523.2	536.1	551.7	571.2	594.4	618.9	651.5	683.8	721.7
25°	480.4	485.4	496.2	507.7	523.3	539.9	564.0	591.1	623.3	660.2	698.8
27.5°	458.1	462.5	472.4	482.4	496.5	516.2	537.7	565.1	595.4	632.8	675.6
30°	442.0	446.8	455.6	466.5	480.0	497.3	519.3	545.0	577.6	614.1	658.9
32.5°	428.2	432.5	439.1	450.0	463.2	479.9	500.3	526.6	559.1	596.3	640.2
35°	406.8	411.5	416.6	425.1	436.7	452.9	475.3	500.0	531.1	567.0	607.3
37.5°	385.6	390.7	395.2	402.8	413.3	427.7	447.0	472.8	501.0	535.6	574.3
40°	372.3	376.3	380.0	388.2	398.7	412.2	430.2	453.3	483.0	515.2	547.4
42.5°	359.0	362.7	366.0	373.0	382.7	395.7	412.9	435.3	463.0	493.0	521.4
45°	338.0	340.5	344.2	350.3	358.0	369.9	386.5	406.5	429.9	458.3	479.7
47.5°	315.4	319.1	322.2	327.5	333.9	345.5	361.5	378.5	399.8	420.9	435.9
50°	298.1	301.8	306.2	311.3	317.4	328.2	342.8	360.1	378.0	394.3	407.2
52.5°	281.9	285.3	290.0	294.8	302.2	311.5	323.9	339.2	356.9	368.5	379.2
55°	257.8	259.5	264.9	269.7	276.8	283.6	296.0	309.6	320.5	329.2	338.0
57.5°	233.2	235.5	238.6	242.9	249.9	257.9	266.6	278.7	285.0	289.5	296.4
60°	217.5	218.1	220.2	225.2	230.7	237.8	248.0	256.5	261.2	264.9	270.6
62.5°	200.1	200.3	203.7	207.4	211.4	219.1	227.4	234.2	238.2	240.0	245.5
65°	175.8	175.1	177.2	180.2	184.9	190.0	197.2	203.2	202.9	204.9	208.3
67.5°	151.0	150.3	150.3	153.2	157.0	161.6	166.5	170.0	170.0	172.7	174.4
70°	134.1	132.2	133.5	135.8	137.5	141.2	146.7	148.0	148.4	149.7	151.4
72.5°	116.8	116.1	117.2	118.2	119.4	122.3	126.9	127.7	127.8	128.6	131.3
75°	92.8	92.1	91.5	92.5	93.8	95.9	97.6	98.9	98.5	98.9	100.9
77.5°	69.6	67.7	67.3	67.9	68.2	69.5	71.2	71.1	71.4	71.3	73.7
80°	55.2	52.5	52.2	52.2	52.5	53.1	53.9	54.6	53.5	54.6	55.2
82.5°	40.6	39.0	38.9	38.6	38.7	38.8	39.2	39.6	39.4	39.9	40.3
85°	22.4	21.7	20.7	21.3	21.0	20.0	20.7	19.6	19.4	19.6	20.0
87.5°	11.1	11.1	10.3	10.0	9.4	9.4	8.5	7.8	7.0	7.0	7.5
90°	17.7	16.6	14.5	13.5	11.4	10.3	8.3	6.2	4.1	2.1	1.1
92.5°	270.5	334.0	339.5	236.5	141.5	85.0	54.8	36.9	24.1	15.3	12.7
95°	898.3	918.0	749.1	463.2	235.2	124.3	77.7	54.9	43.5	35.2	34.2
97.5°	1136.7	980.3	669.0	369.7	202.7	129.3	95.8	75.3	63.8	58.1	56.8
100°	1194.6	935.6	596.8	335.7	201.0	140.9	109.9	90.2	78.7	74.6	72.5
102.5°	1159.8	856.8	542.1	321.6	208.5	155.0	124.8	106.7	94.5	91.2	90.0
105°	1048.6	751.2	489.0	316.0	223.8	178.3	149.2	132.6	122.3	117.1	117.1
107.5°	935.0	678.4	466.6	325.6	246.6	202.4	176.4	159.2	150.6	145.7	143.6
110°	870.3	644.4	460.0	334.7	263.1	220.7	193.8	178.3	168.9	164.8	162.6



TEST NUMBER: P333198-940

CATALOG NUMBER: S125DIP-S610D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	822.2	624.6	460.0	346.3	278.9	238.1	212.0	196.4	187.1	183.8	181.7
115°	769.8	603.1	463.2	363.6	303.6	265.3	239.3	223.8	214.5	211.3	209.3
117.5°	738.5	592.5	470.0	383.6	328.9	292.6	267.5	249.9	240.6	237.3	234.2
120°	721.1	587.5	476.6	396.8	347.1	310.9	284.9	267.3	258.0	253.9	250.7
122.5°	706.2	583.4	482.4	411.8	364.5	328.2	302.4	283.0	273.8	270.5	268.1
125°	685.9	578.2	492.1	432.0	387.5	353.3	326.4	306.7	297.4	292.2	290.1
127.5°	667.3	575.7	503.1	450.8	409.7	376.7	349.8	328.9	317.1	310.4	307.3
130°	654.9	574.0	509.8	463.2	423.7	391.6	364.7	343.0	329.5	321.2	318.1
132.5°	644.9	574.0	517.2	473.9	437.0	404.9	378.0	355.4	340.3	330.3	326.4
135°	633.1	574.0	527.4	489.0	454.9	422.8	394.8	373.0	356.4	344.0	339.8
137.5°	622.5	575.2	536.7	500.2	467.5	438.3	409.5	388.2	371.6	360.0	356.9
140°	617.5	576.0	540.8	507.7	476.6	446.6	418.6	399.0	382.4	369.9	366.8
142.5°	613.4	576.9	543.3	511.8	482.4	454.1	427.8	408.8	392.3	380.7	378.4
145°	607.2	576.0	546.1	518.1	492.1	465.2	441.4	422.8	408.2	397.9	395.8
147.5°	600.7	573.4	547.1	521.8	498.4	474.7	453.8	437.7	424.2	415.3	414.0
150°	595.8	570.9	547.1	524.3	502.5	479.7	462.1	447.6	434.2	426.9	424.8
152.5°	590.0	567.6	546.3	525.9	506.7	485.5	469.6	455.9	444.1	437.7	436.4
155°	580.2	561.6	543.9	527.4	510.8	493.2	478.7	468.3	458.0	451.7	451.7
157.5°	571.1	555.4	541.3	528.4	514.3	499.2	488.2	479.1	470.2	465.2	465.5
160°	563.7	551.3	538.8	528.4	516.0	502.5	493.2	484.9	477.7	473.5	474.6
162.5°	557.1	546.3	536.3	527.6	517.6	505.9	498.2	491.5	485.1	481.0	482.0
165°	547.1	538.8	532.5	526.4	518.1	509.8	503.5	499.4	494.3	491.2	493.2
167.5°	537.3	531.5	526.7	523.9	518.1	511.2	507.3	504.4	501.5	499.6	500.7
170°	531.5	527.4	524.3	522.2	518.1	512.9	509.8	507.7	505.6	504.6	505.6
172.5°	525.8	522.5	520.9	520.6	517.2	512.9	511.4	510.1	508.1	507.1	509.0
175°	518.1	517.0	517.0	518.1	516.0	512.9	512.9	512.9	511.8	510.8	512.9
177.5°	514.8	513.9	513.9	515.6	514.8	513.1	513.1	513.9	513.1	513.1	514.8
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333198-940

CATALOG NUMBER: S125DIP-S610D1205U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	802.5	806.2	808.6	813.2	817.1	819.2	821.1	822.7	824.7	826.3	830.9
5°	807.5	816.4	823.9	835.4	845.9	854.0	862.7	870.6	877.0	886.2	893.2
7.5°	805.3	821.0	837.4	855.2	873.4	890.4	905.9	920.5	933.7	949.7	963.7
10°	803.2	824.5	845.5	869.5	894.3	915.3	935.0	954.9	969.5	989.8	1007.1
12.5°	801.6	826.7	852.0	880.9	908.1	937.7	963.9	978.5	1000.7	1016.9	1037.4
15°	794.7	827.9	862.7	895.3	933.9	961.4	984.4	1012.8	1033.5	1054.2	1076.5
17.5°	782.4	820.0	859.1	901.7	938.7	968.2	997.8	1025.3	1050.0	1077.6	1105.5
20°	776.8	814.3	859.1	902.8	939.0	969.8	1000.3	1030.5	1057.6	1093.1	1125.2
22.5°	764.8	810.3	851.5	894.0	931.4	964.9	999.5	1033.7	1069.7	1109.9	1150.2
25°	743.5	789.6	833.3	875.3	912.9	954.9	991.8	1037.6	1083.6	1136.8	1187.0
27.5°	721.5	765.5	805.6	846.1	890.0	937.5	985.4	1037.3	1097.7	1164.8	1235.6
30°	703.6	745.2	784.2	825.8	871.6	925.1	977.6	1039.3	1109.0	1184.5	1268.5
32.5°	682.7	721.1	759.0	803.1	852.9	909.4	970.5	1038.1	1122.0	1207.9	1294.3
35°	647.0	679.2	718.1	765.2	821.4	886.2	957.0	1036.9	1133.1	1231.6	1304.5
37.5°	604.7	634.6	675.6	727.3	786.2	855.7	939.7	1034.5	1136.7	1215.2	1238.8
40°	576.2	604.0	646.7	700.2	760.5	834.0	926.1	1026.4	1125.2	1175.5	1156.1
42.5°	545.8	575.0	616.6	669.6	734.4	814.5	909.0	1009.3	1092.3	1111.2	1044.5
45°	497.9	528.1	569.1	622.6	692.4	779.1	877.7	968.8	1016.6	982.3	879.0
47.5°	453.4	481.7	519.7	574.9	646.9	736.6	831.5	904.2	908.0	826.3	716.0
50°	423.1	449.2	487.4	542.7	614.1	704.9	790.6	847.8	822.2	729.7	623.7
52.5°	393.2	418.8	456.6	511.2	581.9	665.0	744.8	785.0	736.5	641.6	551.0
55°	350.3	372.6	409.6	460.0	527.1	604.3	672.1	685.9	622.9	529.4	455.9
57.5°	308.3	329.1	362.7	409.2	470.5	539.0	591.9	589.0	522.4	442.1	383.8
60°	279.8	300.1	329.9	375.3	431.2	490.2	535.6	524.7	458.7	389.6	340.5
62.5°	254.3	272.5	300.7	340.4	391.4	445.9	483.2	467.3	402.5	342.1	303.3
65°	216.8	232.0	256.1	290.0	332.3	377.4	406.2	385.5	330.3	283.2	252.0
67.5°	180.9	193.1	213.3	240.4	276.5	312.6	330.2	309.4	265.2	230.9	207.8
70°	158.2	169.1	184.6	208.7	240.1	270.6	283.8	265.2	227.3	197.8	181.2
72.5°	135.5	144.4	158.1	179.7	204.9	231.4	242.9	225.2	193.9	169.1	153.6
75°	104.7	110.8	120.3	135.2	155.2	176.1	182.6	167.0	147.0	128.4	118.2
77.5°	74.9	80.1	87.3	96.7	110.8	124.2	129.8	120.8	105.3	93.5	85.2
80°	57.6	60.3	66.4	74.2	85.3	93.8	97.6	91.8	81.0	72.1	65.7
82.5°	41.0	43.8	47.4	53.9	61.0	66.7	70.7	66.9	59.0	52.1	48.3
85°	20.0	21.7	23.7	26.4	31.8	35.2	34.9	32.5	29.4	26.8	24.7
87.5°	7.5	8.1	9.4	11.1	12.4	13.6	14.6	14.3	13.6	13.0	12.4
90°	2.1	4.1	6.2	8.3	10.3	11.4	13.5	14.5	16.6	17.7	18.6
92.5°	15.3	24.1	36.9	54.8	85.0	141.5	236.5	339.5	334.0	270.5	183.6
95°	35.2	43.5	54.9	77.7	124.3	235.2	463.2	749.1	918.0	898.3	744.9
97.5°	58.1	63.8	75.3	95.8	129.3	202.7	369.7	669.0	980.3	1136.7	1109.5
100°	74.6	78.7	90.2	109.9	140.9	201.0	335.7	596.8	935.6	1194.6	1274.4
102.5°	91.2	94.5	106.7	124.8	155.0	208.5	321.6	542.1	856.8	1159.8	1330.0
105°	117.1	122.3	132.6	149.2	178.3	223.8	316.0	489.0	751.2	1048.6	1297.3
107.5°	145.7	150.6	159.2	176.4	202.4	246.6	325.6	466.6	678.4	935.0	1180.4
110°	164.8	168.9	178.3	193.8	220.7	263.1	334.7	460.0	644.4	870.3	1094.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	183.8	187.1	196.4	212.0	238.1	278.9	346.3	460.0	624.6	822.2	1026.2
115°	211.3	214.5	223.8	239.3	265.3	303.6	363.6	463.2	603.1	769.8	940.8
117.5°	237.3	240.6	249.9	267.5	292.6	328.9	383.6	470.0	592.5	738.5	885.6
120°	253.9	258.0	267.3	284.9	310.9	347.1	396.8	476.6	587.5	721.1	855.9
122.5°	270.5	273.8	283.0	302.4	328.2	364.5	411.8	482.4	583.4	706.2	833.5
125°	292.2	297.4	306.7	326.4	353.3	387.5	432.0	492.1	578.2	685.9	800.9
127.5°	310.4	317.1	328.9	349.8	376.7	409.7	450.8	503.1	575.7	667.3	767.8
130°	321.2	329.5	343.0	364.7	391.6	423.7	463.2	509.8	574.0	654.9	747.1
132.5°	330.3	340.3	355.4	378.0	404.9	437.0	473.9	517.2	574.0	644.9	726.3
135°	344.0	356.4	373.0	394.8	422.8	454.9	489.0	527.4	574.0	633.1	699.4
137.5°	360.0	371.6	388.2	409.5	438.3	467.5	500.2	536.7	575.2	622.5	676.6
140°	369.9	382.4	399.0	418.6	446.6	476.6	507.7	540.8	576.0	617.5	664.1
142.5°	380.7	392.3	408.8	427.8	454.1	482.4	511.8	543.3	576.9	613.4	653.4
145°	397.9	408.2	422.8	441.4	465.2	492.1	518.1	546.1	576.0	607.2	639.3
147.5°	415.3	424.2	437.7	453.8	474.7	498.4	521.8	547.1	573.4	600.7	626.1
150°	426.9	434.2	447.6	462.1	479.7	502.5	524.3	547.1	570.9	595.8	618.6
152.5°	437.7	444.1	455.9	469.6	485.5	506.7	525.9	546.3	567.6	590.0	610.3
155°	451.7	458.0	468.3	478.7	493.2	510.8	527.4	543.9	561.6	580.2	597.8
157.5°	465.2	470.2	479.1	488.2	499.2	514.3	528.4	541.3	555.4	571.1	585.4
160°	473.5	477.7	484.9	493.2	502.5	516.0	528.4	538.8	551.3	563.7	577.1
162.5°	481.0	485.1	491.5	498.2	505.9	517.6	527.6	536.3	546.3	557.1	568.0
165°	491.2	494.3	499.4	503.5	509.8	518.1	526.4	532.5	538.8	547.1	555.4
167.5°	499.6	501.5	504.4	507.3	511.2	518.1	523.9	526.7	531.5	537.3	543.3
170°	504.6	505.6	507.7	509.8	512.9	518.1	522.2	524.3	527.4	531.5	536.7
172.5°	507.1	508.1	510.1	511.4	512.9	517.2	520.6	520.9	522.5	525.8	529.2
175°	510.8	511.8	512.9	512.9	512.9	516.0	518.1	517.0	517.0	518.1	521.2
177.5°	513.1	513.1	513.9	513.1	513.1	514.8	515.6	513.9	513.9	514.8	515.6
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	834.6	836.8	841.4	839.8	842.0	843.0	844.2
5°	902.1	912.9	917.7	916.9	924.1	922.4	920.7
7.5°	978.2	989.6	996.0	1003.9	1008.5	1008.8	1012.8
10°	1021.3	1036.2	1042.3	1050.8	1056.2	1059.3	1058.9
12.5°	1054.4	1066.0	1079.7	1083.9	1091.2	1095.0	1093.6
15°	1094.1	1112.8	1126.9	1134.1	1143.3	1145.9	1149.7
17.5°	1129.6	1154.6	1171.3	1193.3	1201.7	1206.8	1203.7
20°	1156.5	1189.3	1205.9	1232.3	1246.9	1254.7	1252.0
22.5°	1188.2	1223.7	1254.5	1277.3	1299.5	1310.0	1312.2
25°	1242.5	1291.3	1336.3	1366.5	1393.9	1400.3	1414.6
27.5°	1303.2	1360.8	1408.9	1440.6	1459.7	1466.9	1471.3
30°	1341.4	1398.6	1434.9	1455.2	1461.3	1460.6	1460.0
32.5°	1360.1	1396.0	1402.9	1397.2	1383.3	1371.5	1359.1
35°	1333.6	1306.9	1266.9	1215.4	1177.5	1139.2	1135.4
37.5°	1199.4	1113.8	1047.3	973.0	930.1	903.7	885.3
40°	1073.1	975.9	895.3	832.6	788.9	771.7	754.7
42.5°	936.0	843.1	771.7	719.3	686.5	667.4	653.9
45°	760.5	678.5	622.6	584.7	558.6	543.7	535.2
47.5°	623.1	562.5	515.1	487.7	469.7	458.1	458.1
50°	549.5	491.5	460.0	438.4	422.8	413.6	415.3
52.5°	484.1	440.9	413.9	395.7	384.2	378.6	378.4
55°	404.8	373.6	356.1	342.8	335.0	328.6	329.9
57.5°	346.3	319.9	308.2	297.2	291.8	289.2	285.5
60°	310.0	289.6	279.5	270.6	265.2	263.2	259.5
62.5°	277.7	261.7	251.8	244.6	239.8	239.1	236.1
65°	233.4	221.2	212.4	209.0	203.9	202.6	202.6
67.5°	192.4	183.7	176.8	173.7	171.5	171.8	170.1
70°	166.7	159.5	155.2	151.8	150.1	150.4	149.0
72.5°	145.8	137.9	134.0	132.0	129.7	130.6	130.1
75°	110.4	106.4	104.3	102.3	100.9	100.2	99.6
77.5°	81.1	77.5	76.0	74.8	75.0	73.4	74.6
80°	62.7	59.7	58.6	56.9	56.5	56.5	56.3
82.5°	45.8	44.1	43.4	42.0	41.4	41.9	41.0
85°	23.7	22.4	22.0	22.0	21.3	20.7	22.4
87.5°	12.6	11.8	12.1	11.9	11.9	11.8	11.2
90°	19.7	20.7	22.8	22.8	22.8	23.8	23.8
92.5°	133.2	100.3	85.0	71.7	69.2	67.8	66.1
95°	587.5	460.0	373.0	299.4	268.3	260.1	243.5
97.5°	999.1	874.9	753.9	689.8	631.9	601.8	588.5
100°	1223.7	1117.0	1009.1	937.7	863.1	824.7	808.2
102.5°	1361.3	1310.1	1237.2	1160.7	1107.6	1066.0	1053.6
105°	1439.2	1484.8	1473.4	1440.2	1406.0	1385.3	1372.9
107.5°	1369.8	1486.8	1541.0	1557.7	1557.6	1550.7	1542.4
110°	1291.0	1437.1	1525.2	1571.8	1591.5	1598.7	1598.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1213.1	1360.8	1464.6	1532.9	1566.6	1584.7	1592.1
115°	1101.4	1243.3	1356.3	1437.1	1486.8	1515.8	1529.3
117.5°	1024.1	1146.4	1250.0	1330.8	1382.2	1411.0	1419.2
120°	980.2	1094.1	1185.4	1262.0	1311.7	1339.7	1348.0
122.5°	948.7	1050.3	1135.6	1204.0	1249.6	1277.6	1285.0
125°	906.6	996.8	1071.4	1129.4	1171.9	1194.6	1205.1
127.5°	866.4	950.6	1020.4	1073.0	1110.5	1132.1	1136.7
130°	838.2	919.1	986.4	1038.2	1072.4	1093.1	1099.3
132.5°	811.7	885.0	949.9	1001.7	1035.9	1055.0	1062.0
135°	770.9	837.2	896.3	941.8	976.1	994.7	1000.9
137.5°	734.4	789.5	839.7	880.5	911.6	928.8	935.6
140°	712.8	760.5	804.1	842.4	869.3	884.8	890.0
142.5°	694.6	735.7	773.4	805.9	828.7	843.4	847.7
145°	671.4	703.6	731.5	756.3	774.0	785.4	789.5
147.5°	652.1	676.8	697.9	717.6	731.7	738.3	740.2
150°	641.4	661.0	679.7	695.3	707.7	711.9	712.8
152.5°	630.6	648.6	663.2	676.2	686.1	690.3	691.3
155°	614.4	628.9	640.3	650.7	657.9	661.0	662.1
157.5°	599.1	610.3	619.2	627.2	633.3	636.1	636.0
160°	587.5	597.8	605.1	612.3	617.5	619.6	618.6
162.5°	577.6	586.2	592.6	598.2	602.6	603.1	602.8
165°	562.6	568.8	574.0	578.2	580.2	580.2	580.2
167.5°	548.1	552.9	556.6	558.7	560.5	559.7	559.5
170°	539.8	543.0	545.0	547.1	548.1	548.1	547.1
172.5°	532.4	534.7	535.9	536.3	538.1	536.5	535.5
175°	521.2	523.3	523.3	523.3	524.3	522.2	521.2
177.5°	516.4	516.4	516.4	515.6	516.4	513.9	513.9
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9

(END OF REPORT)