

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: P333180

Luminaire Tested: **S125DIP-S610D810U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333180  
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-S610D810U835-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC  
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

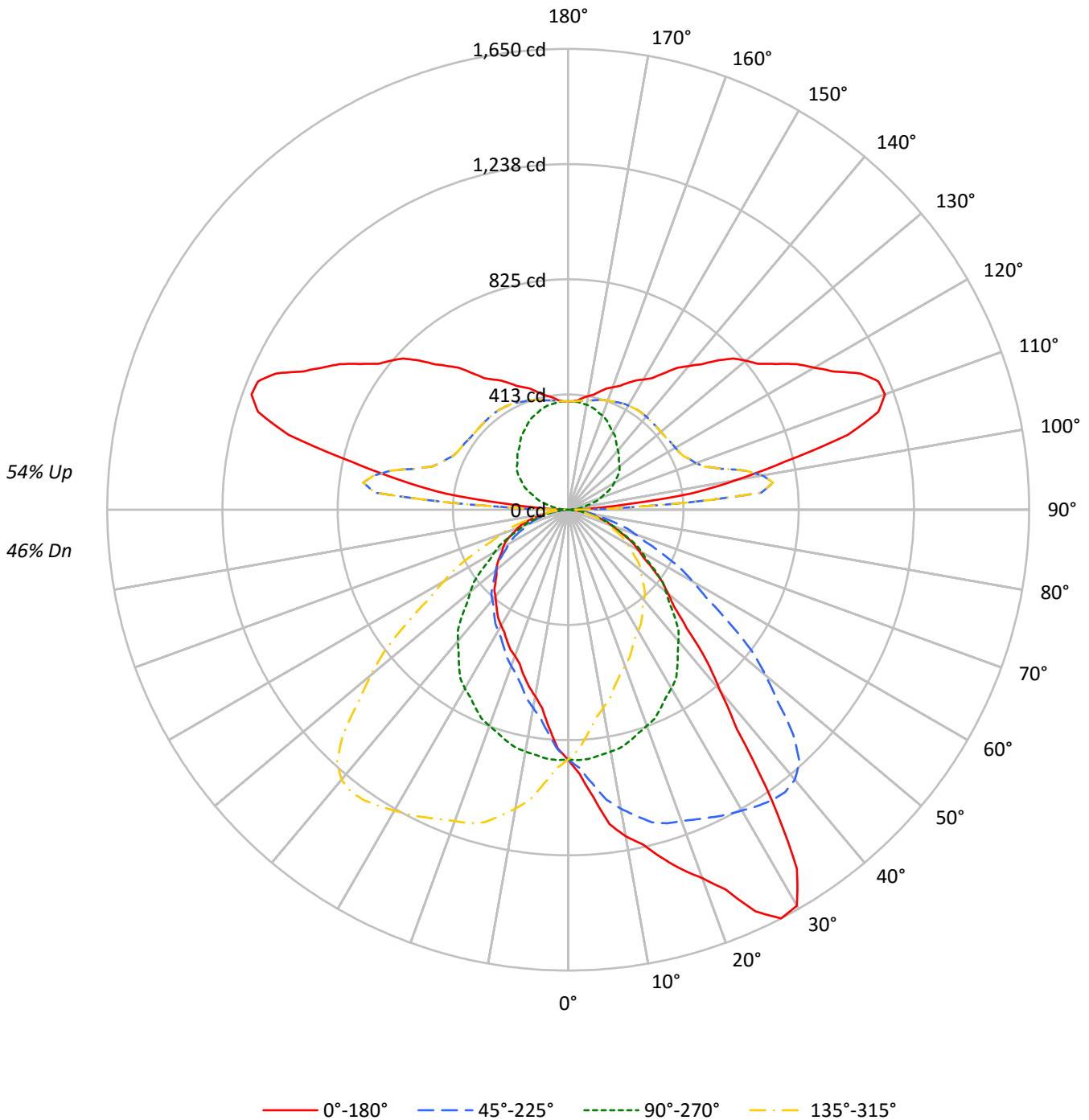
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	106	106	106	106	98	98	98	98	81	81	81	67	67	67	53	53	53	46				
1	97	93	89	86	89	86	82	79	72	69	67	59	57	56	47	46	45	40				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	33				
3	81	72	65	59	74	66	60	55	56	51	47	46	43	40	37	35	33	29				
4	74	64	56	50	68	59	52	47	50	44	40	41	37	34	33	31	28	25				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	32	53	43	36	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	30	25	46	35	29	24	30	25	21	25	21	18	21	18	16	13				
10	47	35	28	23	43	32	26	22	28	23	19	24	19	17	19	16	14	12				

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

	0°	90°	180°	270°
0°	5780	5780	5780	5780
5°	6694	5800	5078	5800
10°	7788	5770	4450	5770
15°	8620	5727	4105	5727
20°	9649	5660	3827	5660
25°	11305	5585	3693	5585
30°	12210	5510	3575	5510
35°	10039	5370	3498	5370
40°	7136	5176	3414	5176
45°	5482	4913	3366	4913
50°	4679	4588	3359	4588
55°	4166	4269	3388	4269
60°	3759	3920	3475	3920
65°	3472	3570	3564	3570
70°	3155	3206	3616	3206
75°	2787	2825	3583	2825
80°	2347	2302	3277	2302
85°	1860	1660	2645	1660



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.2	1.6
10°-20°	256.5	4.7
20°-30°	416.6	7.7
30°-40°	508.1	9.3
40°-50°	462.2	8.5
50°-60°	368.2	6.8
60°-70°	256.4	4.7
70°-80°	136.8	2.5
80°-90°	36.7	0.7
90°-100°	281.1	5.2
100°-110°	604.3	11.1
110°-120°	567.1	10.4
120°-130°	459.6	8.5
130°-140°	368.8	6.8
140°-150°	278.3	5.1
150°-160°	195.9	3.6
160°-170°	115.5	2.1
170°-180°	37.6	0.7
0°-30°	759.2	14.0
0°-40°	1267.4	23.3
0°-60°	2097.8	38.6
0°-90°	2527.7	46.5
90°-120°	1452.5	26.7
90°-150°	2559.3	47.1
90°-180°	2908.0	53.5
0°-180°	5436.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	1032	895	783	895	1032	104
15°	1289	857	614	857	1289	369
25°	1586	784	518	784	1586	725
35°	1273	681	444	681	1273	779
45°	600	538	368	538	600	480
55°	370	379	301	379	370	333
65°	227	234	233	234	227	225
75°	112	113	144	113	112	120
85°	25	22	36	22	25	29
90°	18	1	18	1	18	13
95°	184	26	184	26	184	260
105°	1036	88	1036	88	1036	1030
115°	1154	158	1154	158	1154	1128
125°	909	219	909	219	909	823
135°	755	256	755	256	755	585
145°	596	299	596	299	596	379
155°	500	341	500	341	500	233
165°	438	372	438	372	438	125
175°	393	387	393	387	393	38
180°	388	388	388	388	388	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	946.7	945.4	944.2	941.8	943.6	938.4	936.0	931.8	926.6	924.8	922.6
5°	1032.5	1034.4	1036.3	1028.3	1029.1	1023.8	1011.6	1001.7	993.8	983.5	976.3
7.5°	1135.8	1131.3	1131.0	1125.8	1116.9	1109.8	1097.0	1080.7	1065.0	1047.1	1032.3
10°	1187.5	1187.9	1184.5	1178.4	1168.9	1162.0	1145.3	1129.4	1110.0	1087.2	1070.9
12.5°	1226.4	1228.0	1223.7	1215.5	1210.8	1195.5	1182.4	1163.4	1140.4	1122.2	1097.3
15°	1289.3	1285.1	1282.1	1271.8	1263.8	1247.9	1227.0	1207.2	1182.2	1159.0	1135.8
17.5°	1349.9	1353.3	1347.6	1338.2	1313.5	1294.8	1266.8	1239.8	1208.5	1177.5	1149.8
20°	1404.0	1407.1	1398.3	1382.0	1352.4	1333.7	1296.9	1261.9	1225.9	1186.0	1155.6
22.5°	1471.5	1469.1	1457.3	1432.4	1406.8	1372.3	1332.5	1289.9	1244.7	1199.6	1159.2
25°	1586.4	1570.4	1563.2	1532.4	1498.6	1448.1	1393.4	1331.1	1274.9	1215.2	1163.6
27.5°	1650.0	1645.0	1637.0	1615.5	1580.0	1526.0	1461.5	1385.6	1306.2	1231.0	1163.3
30°	1637.3	1638.0	1638.8	1631.9	1609.2	1568.5	1504.3	1422.6	1328.4	1243.7	1165.5
32.5°	1524.2	1538.0	1551.3	1566.9	1573.3	1565.5	1525.3	1451.5	1354.6	1258.3	1164.2
35°	1273.3	1277.5	1320.5	1363.0	1420.7	1465.6	1495.6	1462.9	1381.2	1270.7	1162.8
37.5°	992.8	1013.4	1043.1	1091.2	1174.5	1249.1	1345.1	1389.2	1362.8	1274.7	1160.1
40°	846.4	865.4	884.7	933.7	1004.0	1094.4	1203.4	1296.5	1318.2	1261.9	1151.0
42.5°	733.3	748.4	769.9	806.7	865.4	945.5	1049.7	1171.3	1246.1	1224.9	1131.9
45°	600.2	609.7	626.4	655.7	698.2	760.9	852.8	985.8	1101.6	1140.0	1086.4
47.5°	513.7	513.7	526.7	546.9	577.6	630.8	698.8	803.0	926.7	1018.3	1014.0
50°	465.7	463.8	474.1	491.6	515.9	551.2	616.2	699.4	818.3	922.0	950.8
52.5°	424.4	424.6	430.9	443.8	464.2	494.4	542.9	617.9	719.5	825.9	880.3
55°	370.0	368.5	375.7	384.4	399.3	419.0	454.0	511.3	593.7	698.6	769.2
57.5°	320.2	324.3	327.2	333.3	345.6	358.8	388.3	430.4	495.8	585.8	660.5
60°	291.0	295.2	297.4	303.5	313.4	324.8	347.6	381.8	436.9	514.4	588.4
62.5°	264.8	268.1	268.9	274.3	282.4	293.5	311.4	340.1	383.7	451.4	524.0
65°	227.2	227.2	228.7	234.4	238.2	248.1	261.7	282.6	317.6	370.4	432.3
67.5°	190.8	192.7	192.3	194.8	198.3	206.0	215.8	233.0	258.9	297.4	347.0
70°	167.1	168.7	168.3	170.2	174.0	178.9	186.9	203.2	221.8	254.9	297.4
72.5°	145.9	146.5	145.5	148.0	150.3	154.6	163.5	172.2	189.6	217.5	252.5
75°	111.7	112.4	113.2	114.7	117.0	119.3	123.8	132.6	144.0	164.9	187.3
77.5°	83.7	82.3	84.1	83.9	85.2	86.9	90.9	95.6	104.9	118.1	135.5
80°	63.1	63.4	63.4	63.8	65.7	66.9	70.3	73.7	80.9	90.8	102.9
82.5°	46.0	47.0	46.4	47.1	48.7	49.5	51.4	54.2	58.4	66.2	75.0
85°	25.1	23.2	23.9	24.7	24.7	25.1	26.6	27.7	30.0	33.0	36.5
87.5°	10.9	11.5	11.6	11.6	11.9	11.6	12.7	12.5	13.3	14.1	15.0
90°	18.0	18.0	17.2	17.2	17.2	15.6	14.9	14.1	13.3	12.5	10.9
92.5°	49.9	51.1	52.2	54.1	64.1	75.7	100.6	138.6	204.1	252.1	256.1
95°	183.7	196.3	202.5	226.0	281.5	347.2	443.3	562.2	677.9	692.8	565.3
97.5°	444.1	454.1	476.8	520.6	568.9	660.2	753.9	837.3	857.7	739.8	504.8
100°	609.9	622.4	651.3	707.6	761.6	842.9	923.4	961.7	901.5	706.1	450.4
102.5°	795.0	804.4	835.8	875.9	933.6	988.6	1027.3	1003.6	875.3	646.6	409.1
105°	1036.0	1045.4	1061.0	1086.8	1111.9	1120.5	1086.1	978.9	791.3	566.9	369.1
107.5°	1163.9	1170.2	1175.3	1175.5	1162.8	1122.0	1033.7	890.7	705.6	512.0	352.2
110°	1206.5	1206.5	1201.0	1186.1	1150.9	1084.5	974.2	825.7	656.8	486.3	347.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1201.5	1195.8	1182.2	1156.7	1105.3	1026.9	915.4	774.4	620.5	471.3	347.2
115°	1154.1	1143.9	1122.0	1084.5	1023.5	938.3	831.2	710.0	580.9	455.1	349.5
117.5°	1071.0	1064.8	1043.0	1004.3	943.3	865.1	772.8	668.4	557.3	447.1	354.7
120°	1017.2	1011.0	989.9	952.3	894.5	825.7	739.7	645.8	544.2	443.3	359.7
122.5°	969.7	964.1	943.0	908.6	857.0	792.5	715.9	629.0	532.9	440.2	364.0
125°	909.3	901.5	884.3	852.3	808.5	752.2	684.2	604.4	517.6	436.3	371.4
127.5°	857.7	854.3	838.0	809.7	770.0	717.3	653.8	579.4	503.5	434.4	379.7
130°	829.6	824.9	809.3	783.5	744.4	693.5	632.6	563.7	494.2	433.2	384.7
132.5°	801.4	796.1	781.7	755.9	716.8	667.9	612.5	548.1	486.7	433.2	390.3
135°	755.3	750.6	736.5	710.7	676.3	631.8	581.7	527.8	477.7	433.2	398.0
137.5°	706.1	700.9	687.9	664.5	633.6	595.8	554.2	510.6	469.8	434.1	405.0
140°	671.6	667.7	656.0	635.7	606.7	573.9	537.9	501.2	466.0	434.7	408.1
142.5°	639.7	636.5	625.4	608.2	583.6	555.1	524.2	493.1	462.9	435.4	410.0
145°	595.8	592.7	584.1	570.8	552.0	530.9	506.7	482.4	458.2	434.7	412.1
147.5°	558.6	557.2	552.2	541.5	526.7	510.7	492.1	472.4	453.3	432.7	412.8
150°	537.9	537.2	534.0	524.7	512.9	498.8	484.0	466.8	449.6	430.8	412.8
152.5°	521.7	520.9	517.8	510.3	500.4	489.5	475.9	460.5	445.2	428.3	412.2
155°	499.6	498.8	496.5	491.0	483.2	474.6	463.7	451.2	437.9	423.8	410.5
157.5°	479.9	480.1	477.9	473.4	467.3	460.5	452.1	441.8	431.0	419.1	408.5
160°	466.8	467.6	466.0	462.1	456.6	451.2	443.3	435.5	425.4	416.0	406.6
162.5°	454.9	455.1	454.7	451.5	447.2	442.4	435.8	428.6	420.3	412.2	404.7
165°	437.9	437.9	437.9	436.3	433.2	429.3	424.6	419.1	412.8	406.6	401.9
167.5°	422.2	422.4	423.0	421.6	420.0	417.2	413.6	410.0	405.5	401.1	397.5
170°	412.8	413.6	413.6	412.8	411.3	409.7	407.4	405.0	401.1	398.0	395.6
172.5°	404.1	404.9	406.1	404.7	404.4	403.5	401.7	399.4	396.7	394.2	393.1
175°	393.3	394.1	395.6	394.9	394.9	394.9	393.3	393.3	390.9	390.2	390.2
177.5°	387.8	387.8	389.7	389.1	389.7	389.7	389.7	389.1	388.4	387.8	387.8
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	920.8	918.7	916.3	912.0	906.8	904.1	899.9	897.1	891.6	887.1	882.2
5°	967.5	957.7	948.6	936.8	923.9	915.5	905.6	894.6	883.2	871.4	858.5
7.5°	1015.9	998.5	979.5	959.0	939.1	920.7	903.1	885.9	869.8	850.3	833.8
10°	1048.5	1026.4	1002.9	975.1	948.2	924.6	900.7	879.8	858.5	835.7	815.6
12.5°	1081.0	1051.6	1018.4	987.9	955.5	927.1	898.9	872.2	845.5	820.2	796.8
15°	1103.9	1078.1	1047.3	1004.0	967.5	928.4	891.2	856.6	824.3	796.2	766.6
17.5°	1119.0	1085.8	1052.7	1011.2	963.4	919.6	877.4	837.9	801.5	765.8	737.3
20°	1121.8	1087.6	1053.0	1012.4	963.4	913.2	871.1	823.6	784.4	747.6	712.6
22.5°	1120.9	1082.1	1044.5	1002.6	954.9	908.7	857.7	809.3	766.8	730.6	694.1
25°	1112.3	1070.9	1023.8	981.6	934.5	885.5	833.8	783.7	740.4	699.0	662.9
27.5°	1105.1	1051.4	998.1	948.9	903.4	858.5	809.1	757.7	709.7	667.7	633.7
30°	1096.3	1037.4	977.4	926.1	879.4	835.7	789.0	738.9	688.7	647.7	611.2
32.5°	1088.4	1019.8	956.5	900.6	851.2	808.7	765.6	717.9	668.7	627.0	590.6
35°	1073.2	993.8	921.2	858.1	805.3	761.7	725.6	681.1	635.9	595.6	560.7
37.5°	1053.8	959.6	881.7	815.6	757.7	711.7	678.1	644.0	600.6	561.8	530.2
40°	1038.6	935.3	852.8	785.2	725.2	677.3	646.2	613.9	577.8	541.7	508.3
42.5°	1019.4	913.4	823.6	750.9	691.5	644.8	612.1	584.7	552.9	519.2	488.2
45°	984.3	873.7	776.5	698.2	638.2	592.2	558.4	537.9	514.0	482.1	455.9
47.5°	932.5	826.1	725.5	644.7	582.8	540.2	508.5	488.8	472.0	448.3	424.5
50°	886.6	790.5	688.7	608.6	546.6	503.7	474.5	456.6	442.2	423.9	403.8
52.5°	835.3	745.8	652.6	573.3	512.0	469.7	441.0	425.3	413.3	400.2	380.4
55°	753.7	677.7	591.1	515.9	459.3	417.9	392.8	379.1	369.2	359.4	347.2
57.5°	663.8	604.4	527.6	458.9	406.8	369.1	345.7	332.4	324.7	319.6	312.5
60°	600.6	549.7	483.6	420.9	370.0	336.6	313.8	303.5	297.1	292.9	287.6
62.5°	541.9	500.1	438.9	381.7	337.2	305.6	285.2	275.3	269.1	267.1	262.6
65°	455.5	423.2	372.7	325.2	287.2	260.2	243.1	233.6	229.8	227.5	227.9
67.5°	370.3	350.6	310.1	269.6	239.2	216.6	202.9	195.6	193.7	190.7	190.6
70°	318.3	303.5	269.3	234.0	207.0	189.6	177.4	169.8	167.9	166.4	166.0
72.5°	272.4	259.5	229.8	201.5	177.3	161.9	151.9	147.3	144.2	143.3	143.2
75°	204.8	197.5	174.0	151.6	134.9	124.2	117.4	113.2	110.9	110.5	110.9
77.5°	145.6	139.3	124.3	108.4	97.9	89.8	84.0	82.6	80.0	80.1	79.7
80°	109.4	105.2	95.7	83.2	74.5	67.6	64.6	61.9	61.2	60.0	61.2
82.5°	79.3	74.8	68.4	60.4	53.2	49.1	46.0	45.2	44.7	44.2	44.4
85°	39.1	39.5	35.7	29.6	26.6	24.3	22.4	22.4	22.0	21.7	22.0
87.5°	15.4	14.5	13.1	11.9	10.1	8.8	8.2	8.4	7.6	7.6	8.2
90°	10.2	8.6	7.8	6.3	4.7	3.1	1.6	0.8	1.6	3.1	4.7
92.5°	178.4	106.8	64.1	41.3	27.8	18.1	11.6	9.5	11.6	18.1	27.8
95°	349.5	177.5	93.8	58.6	41.4	32.8	26.6	25.8	26.6	32.8	41.4
97.5°	279.0	152.9	97.6	72.2	56.8	48.2	43.8	42.8	43.8	48.2	56.8
100°	253.3	151.7	106.3	82.9	68.0	59.4	56.3	54.7	56.3	59.4	68.0
102.5°	242.7	157.3	117.0	94.1	80.5	71.3	68.8	67.9	68.8	71.3	80.5
105°	238.5	168.9	134.5	112.6	100.1	92.3	88.4	88.4	88.4	92.3	100.1
107.5°	245.7	186.1	152.8	133.1	120.1	113.7	109.9	108.4	109.9	113.7	120.1
110°	252.6	198.6	166.5	146.2	134.5	127.4	124.3	122.8	124.3	127.4	134.5





TEST NUMBER: P333180

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	261.3	210.5	179.7	160.0	148.2	141.2	138.7	137.1	138.7	141.2	148.2
115°	274.4	229.1	200.2	180.6	168.9	161.9	159.5	157.9	159.5	161.9	168.9
117.5°	289.5	248.2	220.8	201.9	188.6	181.6	179.1	176.7	179.1	181.6	188.6
120°	299.5	261.9	234.6	215.0	201.7	194.7	191.6	189.2	191.6	194.7	201.7
122.5°	310.7	275.1	247.7	228.2	213.6	206.6	204.1	202.4	204.1	206.6	213.6
125°	326.0	292.4	266.6	246.3	231.4	224.4	220.5	218.9	220.5	224.4	231.4
127.5°	340.1	309.2	284.3	264.0	248.2	239.3	234.3	231.9	234.3	239.3	248.2
130°	349.5	319.8	295.6	275.2	258.8	248.6	242.4	240.0	242.4	248.6	258.8
132.5°	357.6	329.8	305.6	285.2	268.2	256.8	249.3	246.3	249.3	256.8	268.2
135°	369.1	343.3	319.0	297.9	281.5	269.0	259.6	256.5	259.6	269.0	281.5
137.5°	377.5	352.8	330.7	309.0	292.9	280.4	271.6	269.3	271.6	280.4	292.9
140°	383.1	359.7	337.0	315.9	301.0	288.5	279.1	276.8	279.1	288.5	301.0
142.5°	386.3	364.0	342.6	322.8	308.5	296.0	287.3	285.5	287.3	296.0	308.5
145°	390.9	371.4	351.1	333.1	319.0	308.1	300.2	298.7	300.2	308.1	319.0
147.5°	393.8	376.1	358.3	342.5	330.3	320.1	313.4	312.4	313.4	320.1	330.3
150°	395.6	379.2	362.0	348.7	337.8	327.6	322.1	320.6	322.1	327.6	337.8
152.5°	396.9	382.3	366.4	354.4	344.0	335.1	330.3	329.3	330.3	335.1	344.0
155°	398.0	385.5	372.2	361.2	353.4	345.6	340.9	340.9	340.9	345.6	353.4
157.5°	398.8	388.1	376.7	368.4	361.5	354.8	351.1	351.2	351.1	354.8	361.5
160°	398.8	389.4	379.2	372.2	365.9	360.5	357.3	358.1	357.3	360.5	365.9
162.5°	398.1	390.6	381.7	375.9	370.9	366.1	363.0	363.7	363.0	366.1	370.9
165°	397.2	390.9	384.7	380.0	376.9	373.0	370.6	372.2	370.6	373.0	376.9
167.5°	395.3	390.9	385.8	382.8	380.6	378.4	377.0	377.8	377.0	378.4	380.6
170°	394.1	390.9	387.0	384.7	383.1	381.6	380.8	381.6	380.8	381.6	383.1
172.5°	392.8	390.3	387.0	385.9	385.0	383.4	382.7	384.1	382.7	383.4	385.0
175°	390.9	389.4	387.0	387.0	387.0	386.3	385.5	387.0	385.5	386.3	387.0
177.5°	389.1	388.4	387.2	387.2	387.8	387.2	387.2	388.4	387.2	387.2	387.8
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333180

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	879.5	876.1	873.4	867.3	864.0	859.4	855.8	859.7	855.5	857.3	854.6
5°	852.1	841.4	833.8	822.8	813.3	804.6	798.1	797.0	793.9	792.4	787.9
7.5°	819.1	805.8	792.7	778.3	766.1	753.8	745.8	739.3	735.0	729.3	725.4
10°	799.6	781.8	766.6	749.1	733.9	720.6	710.0	704.7	699.7	692.5	689.9
12.5°	775.6	757.2	738.6	719.9	705.4	690.5	681.4	673.4	670.0	661.8	661.0
15°	746.8	719.1	700.9	681.9	661.7	649.6	642.0	633.3	629.5	623.8	619.6
17.5°	712.5	687.7	664.9	645.3	628.0	617.8	608.3	602.3	595.8	592.1	585.2
20°	687.6	664.0	641.2	620.3	607.0	595.3	587.7	582.0	575.1	573.2	566.4
22.5°	666.6	640.6	618.7	601.2	586.7	573.4	565.2	561.3	556.6	550.7	549.4
25°	632.5	605.5	586.9	569.4	556.5	544.4	538.7	533.7	529.2	525.0	523.5
27.5°	603.0	578.9	556.8	541.0	529.8	518.7	513.7	507.7	504.3	501.0	496.9
30°	582.4	557.7	538.3	523.1	510.9	501.1	495.7	491.6	488.5	485.5	483.2
32.5°	561.1	538.2	519.4	504.6	492.4	485.0	480.2	477.3	473.9	470.3	467.4
35°	533.0	507.9	489.7	476.7	467.2	461.5	456.2	453.6	449.8	449.8	446.7
37.5°	501.3	479.6	463.5	451.7	443.2	438.1	432.4	430.6	428.1	426.5	425.5
40°	482.4	462.3	447.1	435.3	426.2	422.0	417.5	414.4	412.9	411.0	410.3
42.5°	463.0	443.8	429.2	418.3	410.4	406.8	402.6	400.5	397.4	394.9	394.5
45°	433.4	414.8	401.5	392.8	386.0	381.8	379.1	374.6	373.0	370.0	369.6
47.5°	405.4	387.5	374.5	367.3	361.3	357.9	353.7	349.2	347.4	345.9	345.8
50°	384.4	368.1	355.9	349.1	343.4	338.5	334.3	331.3	330.1	330.1	330.9
52.5°	363.2	349.3	338.9	330.6	325.2	319.9	316.1	314.2	312.5	314.3	315.7
55°	332.0	318.0	310.4	302.4	297.1	291.0	289.1	288.3	287.2	290.2	291.7
57.5°	299.0	289.2	280.3	272.4	267.6	264.1	261.5	261.1	263.2	264.6	269.6
60°	278.1	266.7	258.7	252.6	246.9	244.6	243.9	243.1	244.6	248.8	255.3
62.5°	255.0	245.7	237.1	232.6	228.4	224.6	224.4	224.9	227.9	232.7	239.2
65°	221.1	213.1	207.4	202.1	198.7	196.4	197.2	198.7	202.1	208.6	215.8
67.5°	186.7	181.2	176.1	171.8	168.5	168.5	169.3	171.6	175.6	183.0	189.6
70°	164.5	158.4	154.2	152.3	149.7	148.2	150.4	154.2	157.6	164.5	170.2
72.5°	142.3	137.1	133.9	132.6	131.4	130.2	131.0	135.1	139.7	146.6	153.2
75°	109.4	107.5	105.2	103.7	102.6	103.3	104.1	107.9	111.7	118.9	126.5
77.5°	79.9	77.9	76.5	76.1	75.5	75.9	78.0	80.8	84.6	89.8	95.6
80°	60.4	59.6	58.9	58.5	58.5	58.9	61.9	63.8	67.2	72.2	76.7
82.5°	44.0	43.5	43.4	43.3	43.6	43.7	45.5	48.0	50.8	54.6	58.5
85°	23.2	22.4	23.6	23.9	23.2	24.3	25.1	26.6	27.7	29.6	31.5
87.5°	8.8	9.8	9.6	10.2	10.4	11.3	11.2	12.5	13.3	14.1	14.1
90°	6.3	7.8	8.6	10.2	10.9	12.5	13.3	14.1	14.9	15.6	17.2
92.5°	41.3	64.1	106.8	178.4	256.1	252.1	204.1	138.6	100.6	75.7	64.1
95°	58.6	93.8	177.5	349.5	565.3	692.8	677.9	562.2	443.3	347.2	281.5
97.5°	72.2	97.6	152.9	279.0	504.8	739.8	857.7	837.3	753.9	660.2	568.9
100°	82.9	106.3	151.7	253.3	450.4	706.1	901.5	961.7	923.4	842.9	761.6
102.5°	94.1	117.0	157.3	242.7	409.1	646.6	875.3	1003.6	1027.3	988.6	933.6
105°	112.6	134.5	168.9	238.5	369.1	566.9	791.3	978.9	1086.1	1120.5	1111.9
107.5°	133.1	152.8	186.1	245.7	352.2	512.0	705.6	890.7	1033.7	1122.0	1162.8
110°	146.2	166.5	198.6	252.6	347.2	486.3	656.8	825.7	974.2	1084.5	1150.9



TEST NUMBER: P333180

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	160.0	179.7	210.5	261.3	347.2	471.3	620.5	774.4	915.4	1026.9	1105.3
115°	180.6	200.2	229.1	274.4	349.5	455.1	580.9	710.0	831.2	938.3	1023.5
117.5°	201.9	220.8	248.2	289.5	354.7	447.1	557.3	668.4	772.8	865.1	943.3
120°	215.0	234.6	261.9	299.5	359.7	443.3	544.2	645.8	739.7	825.7	894.5
122.5°	228.2	247.7	275.1	310.7	364.0	440.2	532.9	629.0	715.9	792.5	857.0
125°	246.3	266.6	292.4	326.0	371.4	436.3	517.6	604.4	684.2	752.2	808.5
127.5°	264.0	284.3	309.2	340.1	379.7	434.4	503.5	579.4	653.8	717.3	770.0
130°	275.2	295.6	319.8	349.5	384.7	433.2	494.2	563.7	632.6	693.5	744.4
132.5°	285.2	305.6	329.8	357.6	390.3	433.2	486.7	548.1	612.5	667.9	716.8
135°	297.9	319.0	343.3	369.1	398.0	433.2	477.7	527.8	581.7	631.8	676.3
137.5°	309.0	330.7	352.8	377.5	405.0	434.1	469.8	510.6	554.2	595.8	633.6
140°	315.9	337.0	359.7	383.1	408.1	434.7	466.0	501.2	537.9	573.9	606.7
142.5°	322.8	342.6	364.0	386.3	410.0	435.4	462.9	493.1	524.2	555.1	583.6
145°	333.1	351.1	371.4	390.9	412.1	434.7	458.2	482.4	506.7	530.9	552.0
147.5°	342.5	358.3	376.1	393.8	412.8	432.7	453.3	472.4	492.1	510.7	526.7
150°	348.7	362.0	379.2	395.6	412.8	430.8	449.6	466.8	484.0	498.8	512.9
152.5°	354.4	366.4	382.3	396.9	412.2	428.3	445.2	460.5	475.9	489.5	500.4
155°	361.2	372.2	385.5	398.0	410.5	423.8	437.9	451.2	463.7	474.6	483.2
157.5°	368.4	376.7	388.1	398.8	408.5	419.1	431.0	441.8	452.1	460.5	467.3
160°	372.2	379.2	389.4	398.8	406.6	416.0	425.4	435.5	443.3	451.2	456.6
162.5°	375.9	381.7	390.6	398.1	404.7	412.2	420.3	428.6	435.8	442.4	447.2
165°	380.0	384.7	390.9	397.2	401.9	406.6	412.8	419.1	424.6	429.3	433.2
167.5°	382.8	385.8	390.9	395.3	397.5	401.1	405.5	410.0	413.6	417.2	420.0
170°	384.7	387.0	390.9	394.1	395.6	398.0	401.1	405.0	407.4	409.7	411.3
172.5°	385.9	387.0	390.3	392.8	393.1	394.2	396.7	399.4	401.7	403.5	404.4
175°	387.0	387.0	389.4	390.9	390.2	390.2	390.9	393.3	393.3	394.9	394.9
177.5°	387.2	387.2	388.4	389.1	387.8	387.8	388.4	389.1	389.7	389.7	389.7
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333180

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	852.7	854.9	853.1	855.5	853.1	854.9	852.7	854.6	857.3	855.5	859.7
5°	786.0	782.5	784.8	783.3	784.8	782.5	786.0	787.9	792.4	793.9	797.0
7.5°	724.3	721.0	717.3	715.5	717.3	721.0	724.3	725.4	729.3	735.0	739.3
10°	685.7	681.5	681.1	678.5	681.1	681.5	685.7	689.9	692.5	699.7	704.7
12.5°	657.4	653.5	649.2	648.1	649.2	653.5	657.4	661.0	661.8	670.0	673.4
15°	617.3	614.3	611.6	613.9	611.6	614.3	617.3	619.6	623.8	629.5	633.3
17.5°	583.9	581.4	581.0	578.2	581.0	581.4	583.9	585.2	592.1	595.8	602.3
20°	563.0	561.1	561.8	556.9	561.8	561.1	563.0	566.4	573.2	575.1	582.0
22.5°	546.3	542.5	542.1	541.1	542.1	542.5	546.3	549.4	550.7	556.6	561.3
25°	520.1	518.2	516.3	518.2	516.3	518.2	520.1	523.5	525.0	529.2	533.7
27.5°	497.2	494.9	494.4	494.6	494.4	494.9	497.2	496.9	501.0	504.3	507.7
30°	483.2	479.4	479.8	479.4	479.8	479.4	483.2	483.2	485.5	488.5	491.6
32.5°	468.0	465.4	464.9	464.2	464.9	465.4	468.0	467.4	470.3	473.9	477.3
35°	445.6	445.6	443.7	443.7	443.7	445.6	445.6	446.7	449.8	449.8	453.6
37.5°	424.5	424.2	423.0	423.2	423.0	424.2	424.5	425.5	426.5	428.1	430.6
40°	408.7	408.4	407.2	404.9	407.2	408.4	408.7	410.3	411.0	412.9	414.4
42.5°	393.6	392.3	391.7	391.0	391.7	392.3	393.6	394.5	394.9	397.4	400.5
45°	369.6	369.6	368.9	368.5	368.9	369.6	369.6	369.6	370.0	373.0	374.6
47.5°	346.4	347.1	348.5	348.3	348.5	347.1	346.4	345.8	345.9	347.4	349.2
50°	332.4	332.8	333.9	334.3	333.9	332.8	332.4	330.9	330.1	330.1	331.3
52.5°	316.9	319.1	320.5	320.3	320.5	319.1	316.9	315.7	314.3	312.5	314.2
55°	295.2	297.8	300.5	300.9	300.5	297.8	295.2	291.7	290.2	287.2	288.3
57.5°	273.7	277.4	280.2	281.1	280.2	277.4	273.7	269.6	264.6	263.2	261.1
60°	259.1	264.0	267.4	269.0	267.4	264.0	259.1	255.3	248.8	244.6	243.1
62.5°	245.1	250.6	254.1	254.4	254.1	250.6	245.1	239.2	232.7	227.9	224.9
65°	222.2	227.9	231.0	233.2	231.0	227.9	222.2	215.8	208.6	202.1	198.7
67.5°	197.6	203.3	206.7	208.5	206.7	203.3	197.6	189.6	183.0	175.6	171.6
70°	179.7	185.4	189.9	191.5	189.9	185.4	179.7	170.2	164.5	157.6	154.2
72.5°	162.1	167.1	170.8	172.6	170.8	167.1	162.1	153.2	146.6	139.7	135.1
75°	131.4	138.3	141.7	143.6	141.7	138.3	131.4	126.5	118.9	111.7	107.9
77.5°	101.4	107.6	109.6	110.6	109.6	107.6	101.4	95.6	89.8	84.6	80.8
80°	81.3	85.1	87.8	88.1	87.8	85.1	81.3	76.7	72.2	67.2	63.8
82.5°	62.5	65.6	66.5	67.5	66.5	65.6	62.5	58.5	54.6	50.8	48.0
85°	34.2	35.7	36.1	35.7	36.1	35.7	34.2	31.5	29.6	27.7	26.6
87.5°	14.7	14.4	14.5	15.1	14.5	14.4	14.7	14.1	14.1	13.3	12.5
90°	17.2	17.2	18.0	18.0	18.0	17.2	17.2	17.2	15.6	14.9	14.1
92.5°	54.1	52.2	51.1	49.9	51.1	52.2	54.1	64.1	75.7	100.6	138.6
95°	226.0	202.5	196.3	183.7	196.3	202.5	226.0	281.5	347.2	443.3	562.2
97.5°	520.6	476.8	454.1	444.1	454.1	476.8	520.6	568.9	660.2	753.9	837.3
100°	707.6	651.3	622.4	609.9	622.4	651.3	707.6	761.6	842.9	923.4	961.7
102.5°	875.9	835.8	804.4	795.0	804.4	835.8	875.9	933.6	988.6	1027.3	1003.6
105°	1086.8	1061.0	1045.4	1036.0	1045.4	1061.0	1086.8	1111.9	1120.5	1086.1	978.9
107.5°	1175.5	1175.3	1170.2	1163.9	1170.2	1175.3	1175.5	1162.8	1122.0	1033.7	890.7
110°	1186.1	1201.0	1206.5	1206.5	1206.5	1201.0	1186.1	1150.9	1084.5	974.2	825.7



TEST NUMBER: P333180

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1156.7	1182.2	1195.8	1201.5	1195.8	1182.2	1156.7	1105.3	1026.9	915.4	774.4
115°	1084.5	1122.0	1143.9	1154.1	1143.9	1122.0	1084.5	1023.5	938.3	831.2	710.0
117.5°	1004.3	1043.0	1064.8	1071.0	1064.8	1043.0	1004.3	943.3	865.1	772.8	668.4
120°	952.3	989.9	1011.0	1017.2	1011.0	989.9	952.3	894.5	825.7	739.7	645.8
122.5°	908.6	943.0	964.1	969.7	964.1	943.0	908.6	857.0	792.5	715.9	629.0
125°	852.3	884.3	901.5	909.3	901.5	884.3	852.3	808.5	752.2	684.2	604.4
127.5°	809.7	838.0	854.3	857.7	854.3	838.0	809.7	770.0	717.3	653.8	579.4
130°	783.5	809.3	824.9	829.6	824.9	809.3	783.5	744.4	693.5	632.6	563.7
132.5°	755.9	781.7	796.1	801.4	796.1	781.7	755.9	716.8	667.9	612.5	548.1
135°	710.7	736.5	750.6	755.3	750.6	736.5	710.7	676.3	631.8	581.7	527.8
137.5°	664.5	687.9	700.9	706.1	700.9	687.9	664.5	633.6	595.8	554.2	510.6
140°	635.7	656.0	667.7	671.6	667.7	656.0	635.7	606.7	573.9	537.9	501.2
142.5°	608.2	625.4	636.5	639.7	636.5	625.4	608.2	583.6	555.1	524.2	493.1
145°	570.8	584.1	592.7	595.8	592.7	584.1	570.8	552.0	530.9	506.7	482.4
147.5°	541.5	552.2	557.2	558.6	557.2	552.2	541.5	526.7	510.7	492.1	472.4
150°	524.7	534.0	537.2	537.9	537.2	534.0	524.7	512.9	498.8	484.0	466.8
152.5°	510.3	517.8	520.9	521.7	520.9	517.8	510.3	500.4	489.5	475.9	460.5
155°	491.0	496.5	498.8	499.6	498.8	496.5	491.0	483.2	474.6	463.7	451.2
157.5°	473.4	477.9	480.1	479.9	480.1	477.9	473.4	467.3	460.5	452.1	441.8
160°	462.1	466.0	467.6	466.8	467.6	466.0	462.1	456.6	451.2	443.3	435.5
162.5°	451.5	454.7	455.1	454.9	455.1	454.7	451.5	447.2	442.4	435.8	428.6
165°	436.3	437.9	437.9	437.9	437.9	437.9	436.3	433.2	429.3	424.6	419.1
167.5°	421.6	423.0	422.4	422.2	422.4	423.0	421.6	420.0	417.2	413.6	410.0
170°	412.8	413.6	413.6	412.8	413.6	413.6	412.8	411.3	409.7	407.4	405.0
172.5°	404.7	406.1	404.9	404.1	404.9	406.1	404.7	404.4	403.5	401.7	399.4
175°	394.9	395.6	394.1	393.3	394.1	395.6	394.9	394.9	394.9	393.3	393.3
177.5°	389.1	389.7	387.8	387.8	387.8	389.7	389.1	389.7	389.7	389.7	389.1
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333180

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	855.8	859.4	864.0	867.3	873.4	876.1	879.5	882.2	887.1	891.6	897.1
5°	798.1	804.6	813.3	822.8	833.8	841.4	852.1	858.5	871.4	883.2	894.6
7.5°	745.8	753.8	766.1	778.3	792.7	805.8	819.1	833.8	850.3	869.8	885.9
10°	710.0	720.6	733.9	749.1	766.6	781.8	799.6	815.6	835.7	858.5	879.8
12.5°	681.4	690.5	705.4	719.9	738.6	757.2	775.6	796.8	820.2	845.5	872.2
15°	642.0	649.6	661.7	681.9	700.9	719.1	746.8	766.6	796.2	824.3	856.6
17.5°	608.3	617.8	628.0	645.3	664.9	687.7	712.5	737.3	765.8	801.5	837.9
20°	587.7	595.3	607.0	620.3	641.2	664.0	687.6	712.6	747.6	784.4	823.6
22.5°	565.2	573.4	586.7	601.2	618.7	640.6	666.6	694.1	730.6	766.8	809.3
25°	538.7	544.4	556.5	569.4	586.9	605.5	632.5	662.9	699.0	740.4	783.7
27.5°	513.7	518.7	529.8	541.0	556.8	578.9	603.0	633.7	667.7	709.7	757.7
30°	495.7	501.1	510.9	523.1	538.3	557.7	582.4	611.2	647.7	688.7	738.9
32.5°	480.2	485.0	492.4	504.6	519.4	538.2	561.1	590.6	627.0	668.7	717.9
35°	456.2	461.5	467.2	476.7	489.7	507.9	533.0	560.7	595.6	635.9	681.1
37.5°	432.4	438.1	443.2	451.7	463.5	479.6	501.3	530.2	561.8	600.6	644.0
40°	417.5	422.0	426.2	435.3	447.1	462.3	482.4	508.3	541.7	577.8	613.9
42.5°	402.6	406.8	410.4	418.3	429.2	443.8	463.0	488.2	519.2	552.9	584.7
45°	379.1	381.8	386.0	392.8	401.5	414.8	433.4	455.9	482.1	514.0	537.9
47.5°	353.7	357.9	361.3	367.3	374.5	387.5	405.4	424.5	448.3	472.0	488.8
50°	334.3	338.5	343.4	349.1	355.9	368.1	384.4	403.8	423.9	442.2	456.6
52.5°	316.1	319.9	325.2	330.6	338.9	349.3	363.2	380.4	400.2	413.3	425.3
55°	289.1	291.0	297.1	302.4	310.4	318.0	332.0	347.2	359.4	369.2	379.1
57.5°	261.5	264.1	267.6	272.4	280.3	289.2	299.0	312.5	319.6	324.7	332.4
60°	243.9	244.6	246.9	252.6	258.7	266.7	278.1	287.6	292.9	297.1	303.5
62.5°	224.4	224.6	228.4	232.6	237.1	245.7	255.0	262.6	267.1	269.1	275.3
65°	197.2	196.4	198.7	202.1	207.4	213.1	221.1	227.9	227.5	229.8	233.6
67.5°	169.3	168.5	168.5	171.8	176.1	181.2	186.7	190.6	190.7	193.7	195.6
70°	150.4	148.2	149.7	152.3	154.2	158.4	164.5	166.0	166.4	167.9	169.8
72.5°	131.0	130.2	131.4	132.6	133.9	137.1	142.3	143.2	143.3	144.2	147.3
75°	104.1	103.3	102.6	103.7	105.2	107.5	109.4	110.9	110.5	110.9	113.2
77.5°	78.0	75.9	75.5	76.1	76.5	77.9	79.9	79.7	80.1	80.0	82.6
80°	61.9	58.9	58.5	58.5	58.9	59.6	60.4	61.2	60.0	61.2	61.9
82.5°	45.5	43.7	43.6	43.3	43.4	43.5	44.0	44.4	44.2	44.7	45.2
85°	25.1	24.3	23.2	23.9	23.6	22.4	23.2	22.0	21.7	22.0	22.4
87.5°	11.2	11.3	10.4	10.2	9.6	9.8	8.8	8.2	7.6	7.6	8.4
90°	13.3	12.5	10.9	10.2	8.6	7.8	6.3	4.7	3.1	1.6	0.8
92.5°	204.1	252.1	256.1	178.4	106.8	64.1	41.3	27.8	18.1	11.6	9.5
95°	677.9	692.8	565.3	349.5	177.5	93.8	58.6	41.4	32.8	26.6	25.8
97.5°	857.7	739.8	504.8	279.0	152.9	97.6	72.2	56.8	48.2	43.8	42.8
100°	901.5	706.1	450.4	253.3	151.7	106.3	82.9	68.0	59.4	56.3	54.7
102.5°	875.3	646.6	409.1	242.7	157.3	117.0	94.1	80.5	71.3	68.8	67.9
105°	791.3	566.9	369.1	238.5	168.9	134.5	112.6	100.1	92.3	88.4	88.4
107.5°	705.6	512.0	352.2	245.7	186.1	152.8	133.1	120.1	113.7	109.9	108.4
110°	656.8	486.3	347.2	252.6	198.6	166.5	146.2	134.5	127.4	124.3	122.8



TEST NUMBER: P333180

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	620.5	471.3	347.2	261.3	210.5	179.7	160.0	148.2	141.2	138.7	137.1
115°	580.9	455.1	349.5	274.4	229.1	200.2	180.6	168.9	161.9	159.5	157.9
117.5°	557.3	447.1	354.7	289.5	248.2	220.8	201.9	188.6	181.6	179.1	176.7
120°	544.2	443.3	359.7	299.5	261.9	234.6	215.0	201.7	194.7	191.6	189.2
122.5°	532.9	440.2	364.0	310.7	275.1	247.7	228.2	213.6	206.6	204.1	202.4
125°	517.6	436.3	371.4	326.0	292.4	266.6	246.3	231.4	224.4	220.5	218.9
127.5°	503.5	434.4	379.7	340.1	309.2	284.3	264.0	248.2	239.3	234.3	231.9
130°	494.2	433.2	384.7	349.5	319.8	295.6	275.2	258.8	248.6	242.4	240.0
132.5°	486.7	433.2	390.3	357.6	329.8	305.6	285.2	268.2	256.8	249.3	246.3
135°	477.7	433.2	398.0	369.1	343.3	319.0	297.9	281.5	269.0	259.6	256.5
137.5°	469.8	434.1	405.0	377.5	352.8	330.7	309.0	292.9	280.4	271.6	269.3
140°	466.0	434.7	408.1	383.1	359.7	337.0	315.9	301.0	288.5	279.1	276.8
142.5°	462.9	435.4	410.0	386.3	364.0	342.6	322.8	308.5	296.0	287.3	285.5
145°	458.2	434.7	412.1	390.9	371.4	351.1	333.1	319.0	308.1	300.2	298.7
147.5°	453.3	432.7	412.8	393.8	376.1	358.3	342.5	330.3	320.1	313.4	312.4
150°	449.6	430.8	412.8	395.6	379.2	362.0	348.7	337.8	327.6	322.1	320.6
152.5°	445.2	428.3	412.2	396.9	382.3	366.4	354.4	344.0	335.1	330.3	329.3
155°	437.9	423.8	410.5	398.0	385.5	372.2	361.2	353.4	345.6	340.9	340.9
157.5°	431.0	419.1	408.5	398.8	388.1	376.7	368.4	361.5	354.8	351.1	351.2
160°	425.4	416.0	406.6	398.8	389.4	379.2	372.2	365.9	360.5	357.3	358.1
162.5°	420.3	412.2	404.7	398.1	390.6	381.7	375.9	370.9	366.1	363.0	363.7
165°	412.8	406.6	401.9	397.2	390.9	384.7	380.0	376.9	373.0	370.6	372.2
167.5°	405.5	401.1	397.5	395.3	390.9	385.8	382.8	380.6	378.4	377.0	377.8
170°	401.1	398.0	395.6	394.1	390.9	387.0	384.7	383.1	381.6	380.8	381.6
172.5°	396.7	394.2	393.1	392.8	390.3	387.0	385.9	385.0	383.4	382.7	384.1
175°	390.9	390.2	390.2	390.9	389.4	387.0	387.0	387.0	386.3	385.5	387.0
177.5°	388.4	387.8	387.8	389.1	388.4	387.2	387.2	387.8	387.2	387.2	388.4
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333180

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	899.9	904.1	906.8	912.0	916.3	918.7	920.8	922.6	924.8	926.6	931.8
5°	905.6	915.5	923.9	936.8	948.6	957.7	967.5	976.3	983.5	993.8	1001.7
7.5°	903.1	920.7	939.1	959.0	979.5	998.5	1015.9	1032.3	1047.1	1065.0	1080.7
10°	900.7	924.6	948.2	975.1	1002.9	1026.4	1048.5	1070.9	1087.2	1110.0	1129.4
12.5°	898.9	927.1	955.5	987.9	1018.4	1051.6	1081.0	1097.3	1122.2	1140.4	1163.4
15°	891.2	928.4	967.5	1004.0	1047.3	1078.1	1103.9	1135.8	1159.0	1182.2	1207.2
17.5°	877.4	919.6	963.4	1011.2	1052.7	1085.8	1119.0	1149.8	1177.5	1208.5	1239.8
20°	871.1	913.2	963.4	1012.4	1053.0	1087.6	1121.8	1155.6	1186.0	1225.9	1261.9
22.5°	857.7	908.7	954.9	1002.6	1044.5	1082.1	1120.9	1159.2	1199.6	1244.7	1289.9
25°	833.8	885.5	934.5	981.6	1023.8	1070.9	1112.3	1163.6	1215.2	1274.9	1331.1
27.5°	809.1	858.5	903.4	948.9	998.1	1051.4	1105.1	1163.3	1231.0	1306.2	1385.6
30°	789.0	835.7	879.4	926.1	977.4	1037.4	1096.3	1165.5	1243.7	1328.4	1422.6
32.5°	765.6	808.7	851.2	900.6	956.5	1019.8	1088.4	1164.2	1258.3	1354.6	1451.5
35°	725.6	761.7	805.3	858.1	921.2	993.8	1073.2	1162.8	1270.7	1381.2	1462.9
37.5°	678.1	711.7	757.7	815.6	881.7	959.6	1053.8	1160.1	1274.7	1362.8	1389.2
40°	646.2	677.3	725.2	785.2	852.8	935.3	1038.6	1151.0	1261.9	1318.2	1296.5
42.5°	612.1	644.8	691.5	750.9	823.6	913.4	1019.4	1131.9	1224.9	1246.1	1171.3
45°	558.4	592.2	638.2	698.2	776.5	873.7	984.3	1086.4	1140.0	1101.6	985.8
47.5°	508.5	540.2	582.8	644.7	725.5	826.1	932.5	1014.0	1018.3	926.7	803.0
50°	474.5	503.7	546.6	608.6	688.7	790.5	886.6	950.8	922.0	818.3	699.4
52.5°	441.0	469.7	512.0	573.3	652.6	745.8	835.3	880.3	825.9	719.5	617.9
55°	392.8	417.9	459.3	515.9	591.1	677.7	753.7	769.2	698.6	593.7	511.3
57.5°	345.7	369.1	406.8	458.9	527.6	604.4	663.8	660.5	585.8	495.8	430.4
60°	313.8	336.6	370.0	420.9	483.6	549.7	600.6	588.4	514.4	436.9	381.8
62.5°	285.2	305.6	337.2	381.7	438.9	500.1	541.9	524.0	451.4	383.7	340.1
65°	243.1	260.2	287.2	325.2	372.7	423.2	455.5	432.3	370.4	317.6	282.6
67.5°	202.9	216.6	239.2	269.6	310.1	350.6	370.3	347.0	297.4	258.9	233.0
70°	177.4	189.6	207.0	234.0	269.3	303.5	318.3	297.4	254.9	221.8	203.2
72.5°	151.9	161.9	177.3	201.5	229.8	259.5	272.4	252.5	217.5	189.6	172.2
75°	117.4	124.2	134.9	151.6	174.0	197.5	204.8	187.3	164.9	144.0	132.6
77.5°	84.0	89.8	97.9	108.4	124.3	139.3	145.6	135.5	118.1	104.9	95.6
80°	64.6	67.6	74.5	83.2	95.7	105.2	109.4	102.9	90.8	80.9	73.7
82.5°	46.0	49.1	53.2	60.4	68.4	74.8	79.3	75.0	66.2	58.4	54.2
85°	22.4	24.3	26.6	29.6	35.7	39.5	39.1	36.5	33.0	30.0	27.7
87.5°	8.2	8.8	10.1	11.9	13.1	14.5	15.4	15.0	14.1	13.3	12.5
90°	1.6	3.1	4.7	6.3	7.8	8.6	10.2	10.9	12.5	13.3	14.1
92.5°	11.6	18.1	27.8	41.3	64.1	106.8	178.4	256.1	252.1	204.1	138.6
95°	26.6	32.8	41.4	58.6	93.8	177.5	349.5	565.3	692.8	677.9	562.2
97.5°	43.8	48.2	56.8	72.2	97.6	152.9	279.0	504.8	739.8	857.7	837.3
100°	56.3	59.4	68.0	82.9	106.3	151.7	253.3	450.4	706.1	901.5	961.7
102.5°	68.8	71.3	80.5	94.1	117.0	157.3	242.7	409.1	646.6	875.3	1003.6
105°	88.4	92.3	100.1	112.6	134.5	168.9	238.5	369.1	566.9	791.3	978.9
107.5°	109.9	113.7	120.1	133.1	152.8	186.1	245.7	352.2	512.0	705.6	890.7
110°	124.3	127.4	134.5	146.2	166.5	198.6	252.6	347.2	486.3	656.8	825.7





TEST NUMBER: P333180

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	138.7	141.2	148.2	160.0	179.7	210.5	261.3	347.2	471.3	620.5	774.4
115°	159.5	161.9	168.9	180.6	200.2	229.1	274.4	349.5	455.1	580.9	710.0
117.5°	179.1	181.6	188.6	201.9	220.8	248.2	289.5	354.7	447.1	557.3	668.4
120°	191.6	194.7	201.7	215.0	234.6	261.9	299.5	359.7	443.3	544.2	645.8
122.5°	204.1	206.6	213.6	228.2	247.7	275.1	310.7	364.0	440.2	532.9	629.0
125°	220.5	224.4	231.4	246.3	266.6	292.4	326.0	371.4	436.3	517.6	604.4
127.5°	234.3	239.3	248.2	264.0	284.3	309.2	340.1	379.7	434.4	503.5	579.4
130°	242.4	248.6	258.8	275.2	295.6	319.8	349.5	384.7	433.2	494.2	563.7
132.5°	249.3	256.8	268.2	285.2	305.6	329.8	357.6	390.3	433.2	486.7	548.1
135°	259.6	269.0	281.5	297.9	319.0	343.3	369.1	398.0	433.2	477.7	527.8
137.5°	271.6	280.4	292.9	309.0	330.7	352.8	377.5	405.0	434.1	469.8	510.6
140°	279.1	288.5	301.0	315.9	337.0	359.7	383.1	408.1	434.7	466.0	501.2
142.5°	287.3	296.0	308.5	322.8	342.6	364.0	386.3	410.0	435.4	462.9	493.1
145°	300.2	308.1	319.0	333.1	351.1	371.4	390.9	412.1	434.7	458.2	482.4
147.5°	313.4	320.1	330.3	342.5	358.3	376.1	393.8	412.8	432.7	453.3	472.4
150°	322.1	327.6	337.8	348.7	362.0	379.2	395.6	412.8	430.8	449.6	466.8
152.5°	330.3	335.1	344.0	354.4	366.4	382.3	396.9	412.2	428.3	445.2	460.5
155°	340.9	345.6	353.4	361.2	372.2	385.5	398.0	410.5	423.8	437.9	451.2
157.5°	351.1	354.8	361.5	368.4	376.7	388.1	398.8	408.5	419.1	431.0	441.8
160°	357.3	360.5	365.9	372.2	379.2	389.4	398.8	406.6	416.0	425.4	435.5
162.5°	363.0	366.1	370.9	375.9	381.7	390.6	398.1	404.7	412.2	420.3	428.6
165°	370.6	373.0	376.9	380.0	384.7	390.9	397.2	401.9	406.6	412.8	419.1
167.5°	377.0	378.4	380.6	382.8	385.8	390.9	395.3	397.5	401.1	405.5	410.0
170°	380.8	381.6	383.1	384.7	387.0	390.9	394.1	395.6	398.0	401.1	405.0
172.5°	382.7	383.4	385.0	385.9	387.0	390.3	392.8	393.1	394.2	396.7	399.4
175°	385.5	386.3	387.0	387.0	387.0	389.4	390.9	390.2	390.2	390.9	393.3
177.5°	387.2	387.2	387.8	387.2	387.2	388.4	389.1	387.8	387.8	388.4	389.1
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	936.0	938.4	943.6	941.8	944.2	945.4	946.7
5°	1011.6	1023.8	1029.1	1028.3	1036.3	1034.4	1032.5
7.5°	1097.0	1109.8	1116.9	1125.8	1131.0	1131.3	1135.8
10°	1145.3	1162.0	1168.9	1178.4	1184.5	1187.9	1187.5
12.5°	1182.4	1195.5	1210.8	1215.5	1223.7	1228.0	1226.4
15°	1227.0	1247.9	1263.8	1271.8	1282.1	1285.1	1289.3
17.5°	1266.8	1294.8	1313.5	1338.2	1347.6	1353.3	1349.9
20°	1296.9	1333.7	1352.4	1382.0	1398.3	1407.1	1404.0
22.5°	1332.5	1372.3	1406.8	1432.4	1457.3	1469.1	1471.5
25°	1393.4	1448.1	1498.6	1532.4	1563.2	1570.4	1586.4
27.5°	1461.5	1526.0	1580.0	1615.5	1637.0	1645.0	1650.0
30°	1504.3	1568.5	1609.2	1631.9	1638.8	1638.0	1637.3
32.5°	1525.3	1565.5	1573.3	1566.9	1551.3	1538.0	1524.2
35°	1495.6	1465.6	1420.7	1363.0	1320.5	1277.5	1273.3
37.5°	1345.1	1249.1	1174.5	1091.2	1043.1	1013.4	992.8
40°	1203.4	1094.4	1004.0	933.7	884.7	865.4	846.4
42.5°	1049.7	945.5	865.4	806.7	769.9	748.4	733.3
45°	852.8	760.9	698.2	655.7	626.4	609.7	600.2
47.5°	698.8	630.8	577.6	546.9	526.7	513.7	513.7
50°	616.2	551.2	515.9	491.6	474.1	463.8	465.7
52.5°	542.9	494.4	464.2	443.8	430.9	424.6	424.4
55°	454.0	419.0	399.3	384.4	375.7	368.5	370.0
57.5°	388.3	358.8	345.6	333.3	327.2	324.3	320.2
60°	347.6	324.8	313.4	303.5	297.4	295.2	291.0
62.5°	311.4	293.5	282.4	274.3	268.9	268.1	264.8
65°	261.7	248.1	238.2	234.4	228.7	227.2	227.2
67.5°	215.8	206.0	198.3	194.8	192.3	192.7	190.8
70°	186.9	178.9	174.0	170.2	168.3	168.7	167.1
72.5°	163.5	154.6	150.3	148.0	145.5	146.5	145.9
75°	123.8	119.3	117.0	114.7	113.2	112.4	111.7
77.5°	90.9	86.9	85.2	83.9	84.1	82.3	83.7
80°	70.3	66.9	65.7	63.8	63.4	63.4	63.1
82.5°	51.4	49.5	48.7	47.1	46.4	47.0	46.0
85°	26.6	25.1	24.7	24.7	23.9	23.2	25.1
87.5°	12.7	11.6	11.9	11.6	11.6	11.5	10.9
90°	14.9	15.6	17.2	17.2	17.2	18.0	18.0
92.5°	100.6	75.7	64.1	54.1	52.2	51.1	49.9
95°	443.3	347.2	281.5	226.0	202.5	196.3	183.7
97.5°	753.9	660.2	568.9	520.6	476.8	454.1	444.1
100°	923.4	842.9	761.6	707.6	651.3	622.4	609.9
102.5°	1027.3	988.6	933.6	875.9	835.8	804.4	795.0
105°	1086.1	1120.5	1111.9	1086.8	1061.0	1045.4	1036.0
107.5°	1033.7	1122.0	1162.8	1175.5	1175.3	1170.2	1163.9
110°	974.2	1084.5	1150.9	1186.1	1201.0	1206.5	1206.5



TEST NUMBER: P333180

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	915.4	1026.9	1105.3	1156.7	1182.2	1195.8	1201.5
115°	831.2	938.3	1023.5	1084.5	1122.0	1143.9	1154.1
117.5°	772.8	865.1	943.3	1004.3	1043.0	1064.8	1071.0
120°	739.7	825.7	894.5	952.3	989.9	1011.0	1017.2
122.5°	715.9	792.5	857.0	908.6	943.0	964.1	969.7
125°	684.2	752.2	808.5	852.3	884.3	901.5	909.3
127.5°	653.8	717.3	770.0	809.7	838.0	854.3	857.7
130°	632.6	693.5	744.4	783.5	809.3	824.9	829.6
132.5°	612.5	667.9	716.8	755.9	781.7	796.1	801.4
135°	581.7	631.8	676.3	710.7	736.5	750.6	755.3
137.5°	554.2	595.8	633.6	664.5	687.9	700.9	706.1
140°	537.9	573.9	606.7	635.7	656.0	667.7	671.6
142.5°	524.2	555.1	583.6	608.2	625.4	636.5	639.7
145°	506.7	530.9	552.0	570.8	584.1	592.7	595.8
147.5°	492.1	510.7	526.7	541.5	552.2	557.2	558.6
150°	484.0	498.8	512.9	524.7	534.0	537.2	537.9
152.5°	475.9	489.5	500.4	510.3	517.8	520.9	521.7
155°	463.7	474.6	483.2	491.0	496.5	498.8	499.6
157.5°	452.1	460.5	467.3	473.4	477.9	480.1	479.9
160°	443.3	451.2	456.6	462.1	466.0	467.6	466.8
162.5°	435.8	442.4	447.2	451.5	454.7	455.1	454.9
165°	424.6	429.3	433.2	436.3	437.9	437.9	437.9
167.5°	413.6	417.2	420.0	421.6	423.0	422.4	422.2
170°	407.4	409.7	411.3	412.8	413.6	413.6	412.8
172.5°	401.7	403.5	404.4	404.7	406.1	404.9	404.1
175°	393.3	394.9	394.9	394.9	395.6	394.1	393.3
177.5°	389.7	389.7	389.7	389.1	389.7	387.8	387.8
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8

(END OF REPORT)