

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: P333161-840

Luminaire Tested: **S125DIP-S610D365U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333161-840
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-S610D365U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3831.2 lumens
Efficiency: N/A
Efficacy: 139.3 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-Direct

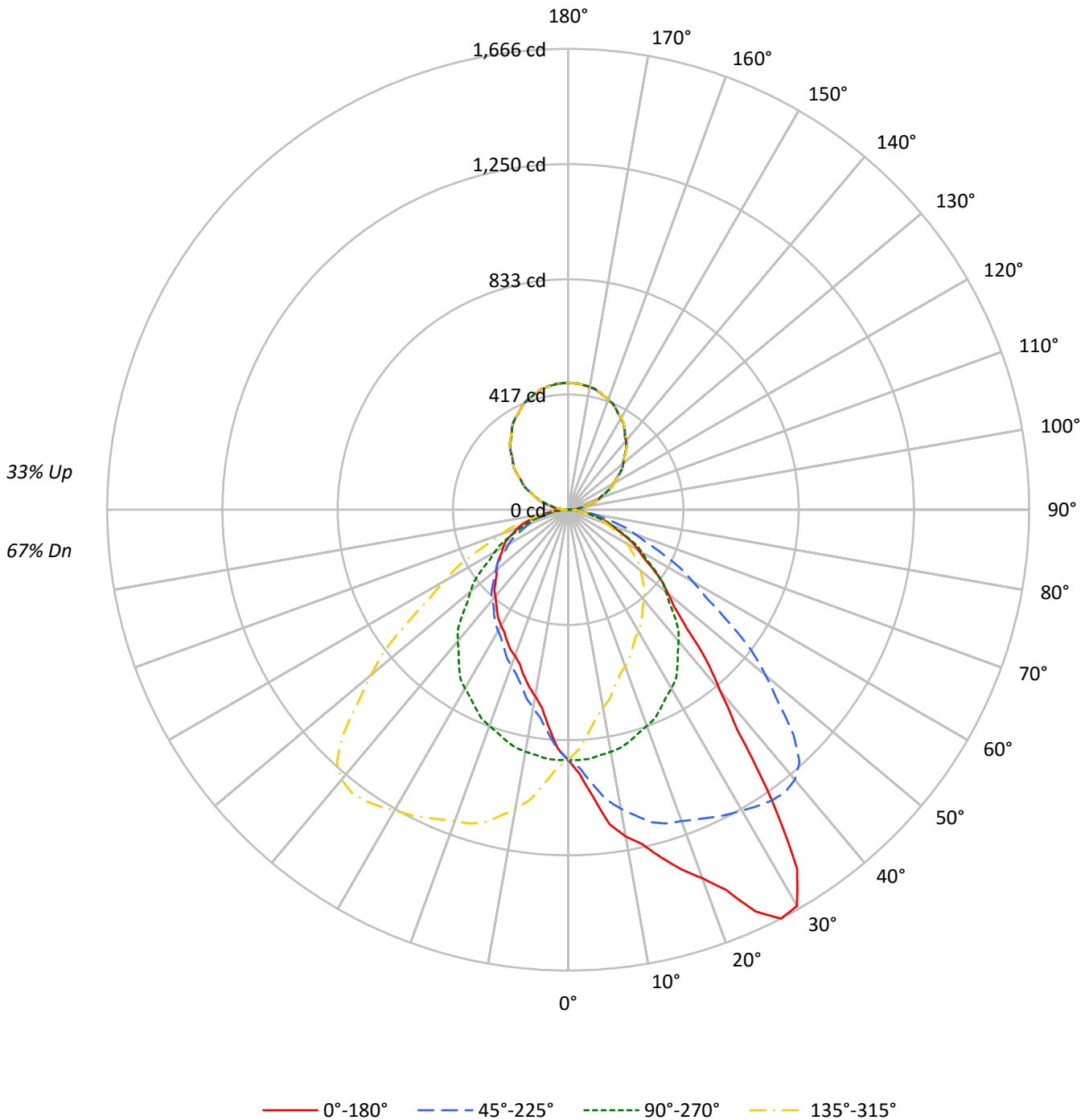
Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	71	71	71	67				
1	102	97	94	90	96	92	89	86	82	79	77	72	70	69	64	62	61	57				
2	93	85	79	74	87	81	75	71	72	68	64	64	61	58	56	54	52	48				
3	85	75	68	62	80	71	65	59	64	58	54	57	53	49	50	47	44	41				
4	78	67	59	53	73	63	56	51	57	51	46	51	46	42	45	41	38	35				
5	72	60	52	45	67	57	49	44	51	45	40	46	41	37	41	37	34	31				
6	66	54	46	40	62	51	44	38	46	40	35	41	36	32	37	33	30	27				
7	61	49	41	35	58	46	39	34	42	36	31	38	33	29	34	30	26	24				
8	57	44	36	31	54	42	35	30	38	32	28	34	29	26	31	27	24	21				
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	29	24	21	19				
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5837	5837	5837	5837
5°	6760	5857	5128	5857
10°	7864	5827	4494	5827
15°	8705	5784	4145	5784
20°	9745	5716	3865	5716
25°	11416	5640	3729	5640
30°	12331	5565	3610	5565
35°	10138	5423	3533	5423
40°	7206	5227	3447	5227
45°	5536	4961	3399	4961
50°	4725	4633	3392	4633
55°	4208	4310	3422	4310
60°	3796	3959	3509	3959
65°	3506	3605	3599	3605
70°	3186	3238	3652	3238
75°	2815	2852	3618	2852
80°	2369	2325	3310	2325
85°	1875	1675	2675	1675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	2.3
10°-20°	259.1	6.8
20°-30°	420.7	11.0
30°-40°	513.1	13.4
40°-50°	466.8	12.2
50°-60°	371.8	9.7
60°-70°	259.0	6.8
70°-80°	138.1	3.6
80°-90°	35.9	0.9
90°-100°	30.7	0.8
100°-110°	90.7	2.4
110°-120°	153.6	4.0
120°-130°	202.2	5.3
130°-140°	226.6	5.9
140°-150°	222.1	5.8
150°-160°	186.5	4.9
160°-170°	124.0	3.2
170°-180°	43.4	1.1
0°-30°	766.7	20.0
0°-40°	1279.9	33.4
0°-60°	2118.5	55.3
0°-90°	2551.4	66.6
90°-120°	275.1	7.2
90°-150°	925.9	24.2
90°-180°	1280.0	33.4
0°-180°	3831.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	904	904	904	904	904	
5°	1043	903	791	903	1043	105
15°	1302	865	620	865	1302	373
25°	1602	791	523	791	1602	732
35°	1286	688	448	688	1286	787
45°	606	543	372	543	606	485
55°	374	383	304	383	374	337
65°	229	236	236	236	229	228
75°	113	114	145	114	113	121
85°	25	23	36	23	25	29
90°	9	0	9	0	9	6
95°	31	23	31	23	31	31
105°	89	81	89	81	89	94
115°	155	154	155	154	155	154
125°	226	224	226	224	226	202
135°	293	292	293	292	293	226
145°	355	354	355	354	355	222
155°	405	405	405	405	405	186
165°	439	440	439	440	439	124
175°	456	458	456	458	456	43
180°	459	459	459	459	459	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	956.0	954.7	953.5	951.1	952.9	947.7	945.2	941.0	935.7	933.9	931.7
5°	1042.7	1044.6	1046.5	1038.4	1039.3	1033.9	1021.6	1011.6	1003.6	993.2	985.9
7.5°	1147.0	1142.5	1142.2	1136.9	1127.9	1120.7	1107.8	1091.4	1075.5	1057.4	1042.5
10°	1199.2	1199.6	1196.2	1190.0	1180.4	1173.5	1156.6	1140.5	1121.0	1097.9	1081.5
12.5°	1238.5	1240.1	1235.8	1227.5	1222.7	1207.3	1194.1	1174.9	1151.7	1133.3	1108.1
15°	1302.0	1297.8	1294.7	1284.3	1276.3	1260.2	1239.1	1219.1	1193.9	1170.4	1147.0
17.5°	1363.2	1366.7	1360.9	1351.4	1326.5	1307.6	1279.3	1252.0	1220.4	1189.1	1161.1
20°	1417.9	1421.0	1412.1	1395.6	1365.7	1346.9	1309.7	1274.3	1238.0	1197.7	1167.0
22.5°	1486.0	1483.6	1471.7	1446.5	1420.7	1385.8	1345.6	1302.6	1257.0	1211.4	1170.6
25°	1602.0	1585.9	1578.6	1547.5	1513.4	1462.4	1407.1	1344.2	1287.5	1227.2	1175.1
27.5°	1666.3	1661.2	1653.1	1631.4	1595.6	1541.1	1475.9	1399.3	1319.1	1243.1	1174.8
30°	1653.5	1654.2	1655.0	1648.0	1625.1	1584.0	1519.1	1436.6	1341.5	1256.0	1177.0
32.5°	1539.2	1553.2	1566.6	1582.4	1588.8	1580.9	1540.3	1465.8	1368.0	1270.7	1175.7
35°	1285.9	1290.1	1333.5	1376.4	1434.7	1480.1	1510.4	1477.3	1394.8	1283.2	1174.3
37.5°	1002.6	1023.4	1053.4	1102.0	1186.1	1261.4	1358.4	1402.9	1376.2	1287.3	1171.5
40°	854.7	873.9	893.4	942.9	1013.9	1105.2	1215.3	1309.3	1331.2	1274.3	1162.4
42.5°	740.5	755.8	777.5	814.7	873.9	954.8	1060.1	1182.9	1258.4	1237.0	1143.1
45°	606.1	615.7	632.6	662.2	705.1	768.4	861.2	995.5	1112.5	1151.2	1097.1
47.5°	518.8	518.8	531.9	552.3	583.3	637.0	705.7	810.9	935.8	1028.3	1024.0
50°	470.3	468.4	478.8	496.4	521.0	556.6	622.3	706.3	826.4	931.1	960.2
52.5°	428.6	428.8	435.2	448.2	468.8	499.3	548.3	624.0	726.6	834.0	889.0
55°	373.7	372.1	379.4	388.2	403.2	423.1	458.5	516.3	599.6	705.5	776.8
57.5°	323.4	327.5	330.4	336.6	349.0	362.3	392.1	434.6	500.7	591.6	667.0
60°	293.9	298.1	300.3	306.5	316.5	328.0	351.0	385.6	441.2	519.5	594.2
62.5°	267.4	270.7	271.6	277.0	285.2	296.4	314.5	343.5	387.5	455.9	529.2
65°	229.4	229.4	231.0	236.7	240.5	250.5	264.3	285.4	320.7	374.1	436.6
67.5°	192.7	194.6	194.2	196.7	200.3	208.0	217.9	235.3	261.5	300.3	350.4
70°	168.7	170.4	170.0	171.9	175.7	180.7	188.7	205.2	224.0	257.4	300.3
72.5°	147.3	147.9	146.9	149.5	151.8	156.1	165.1	173.9	191.5	219.6	255.0
75°	112.8	113.5	114.3	115.8	118.2	120.5	125.0	133.9	145.4	166.5	189.1
77.5°	84.5	83.1	84.9	84.7	86.0	87.8	91.8	96.5	105.9	119.3	136.8
80°	63.7	64.0	64.0	64.4	66.3	67.6	71.0	74.4	81.7	91.7	103.9
82.5°	46.5	47.5	46.9	47.6	49.2	50.0	51.9	54.7	59.0	66.9	75.7
85°	25.3	23.4	24.1	24.9	24.9	25.3	26.9	28.0	30.3	33.3	36.9
87.5°	9.1	9.7	9.9	9.9	10.1	10.1	11.2	11.1	11.9	12.8	13.9
90°	8.6	8.3	8.1	7.9	7.6	7.3	6.9	6.5	6.1	5.8	5.2
92.5°	16.9	16.7	16.5	16.4	16.2	15.8	15.2	14.7	14.2	13.7	13.0
95°	30.7	30.5	30.4	30.2	30.1	29.7	29.2	28.6	28.1	27.5	26.7
97.5°	46.6	46.5	46.4	46.3	46.2	45.8	45.3	44.8	44.3	43.7	42.6
100°	58.6	58.4	58.3	58.1	57.9	57.5	56.8	56.0	55.3	54.6	53.6
102.5°	70.5	70.3	70.1	69.9	69.7	69.2	68.4	67.6	66.9	66.0	65.5
105°	88.6	88.3	88.1	87.8	87.6	87.3	86.7	86.2	85.7	85.3	84.8
107.5°	106.9	106.9	106.9	106.9	107.0	106.8	106.6	106.4	106.1	105.9	105.5
110°	120.7	120.7	120.8	120.9	121.0	120.9	120.7	120.4	120.2	120.0	119.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	134.1	134.2	134.3	134.5	134.6	134.6	134.5	134.4	134.3	134.2	133.9
115°	155.2	155.3	155.4	155.5	155.6	155.6	155.7	155.8	155.9	156.0	155.8
117.5°	175.9	176.3	176.6	176.9	177.2	177.3	177.3	177.2	177.1	177.1	176.9
120°	190.3	190.6	190.9	191.2	191.5	191.7	191.7	191.7	191.7	191.7	191.6
122.5°	204.5	204.8	205.0	205.3	205.5	205.7	205.7	205.8	205.9	205.9	205.7
125°	225.9	226.0	226.1	226.2	226.2	226.4	226.5	226.7	226.8	227.0	226.9
127.5°	246.5	246.6	246.8	247.0	247.1	247.2	247.3	247.4	247.5	247.5	247.5
130°	260.2	260.3	260.5	260.6	260.8	260.9	261.1	261.2	261.2	261.3	261.2
132.5°	273.1	273.3	273.5	273.7	274.0	274.1	274.2	274.3	274.3	274.4	274.5
135°	293.1	293.4	293.7	294.0	294.3	294.5	294.5	294.5	294.5	294.5	294.4
137.5°	312.6	313.0	313.4	313.8	314.2	314.4	314.3	314.2	314.1	314.0	313.8
140°	325.2	325.6	326.0	326.4	326.8	326.9	326.7	326.6	326.4	326.2	326.0
142.5°	337.2	337.6	337.9	338.3	338.7	338.9	338.8	338.7	338.6	338.5	338.2
145°	355.2	355.4	355.6	355.9	356.1	356.2	356.2	356.2	356.2	356.2	356.0
147.5°	370.5	371.0	371.5	372.1	372.6	372.8	372.6	372.4	372.2	372.0	371.8
150°	381.9	382.0	382.2	382.4	382.5	382.6	382.6	382.6	382.6	382.6	382.3
152.5°	391.3	391.6	391.9	392.2	392.4	392.5	392.3	392.1	391.9	391.7	391.6
155°	404.8	405.2	405.6	406.0	406.4	406.4	406.1	405.8	405.5	405.2	405.1
157.5°	416.0	416.5	417.0	417.6	418.1	418.2	417.9	417.5	417.2	416.9	416.8
160°	423.6	424.0	424.4	424.9	425.3	425.3	425.0	424.6	424.3	424.0	423.9
162.5°	430.2	430.7	431.1	431.6	432.1	432.1	431.7	431.3	431.0	430.6	430.6
165°	439.0	439.5	440.0	440.4	440.9	441.0	440.7	440.4	440.1	439.7	439.7
167.5°	446.1	446.5	447.0	447.5	448.0	448.0	447.5	447.1	446.6	446.1	446.1
170°	449.7	450.3	450.8	451.4	451.9	452.0	451.5	451.0	450.6	450.1	450.1
172.5°	452.8	453.3	453.8	454.3	454.8	454.8	454.3	453.9	453.4	452.9	452.9
175°	455.8	456.4	456.9	457.5	458.0	458.1	457.6	457.1	456.7	456.2	456.2
177.5°	457.5	458.0	458.4	458.9	459.3	459.3	459.0	458.6	458.2	457.8	457.9
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	929.9	927.8	925.3	921.0	915.7	913.0	908.8	905.9	900.4	895.9	890.9
5°	977.0	967.1	958.0	946.0	933.0	924.5	914.5	903.4	891.9	880.0	867.0
7.5°	1025.9	1008.4	989.2	968.5	948.4	929.8	912.0	894.6	878.4	858.7	842.0
10°	1058.8	1036.5	1012.8	984.7	957.6	933.7	909.6	888.5	867.0	843.9	823.6
12.5°	1091.7	1062.0	1028.4	997.6	964.9	936.2	907.8	880.8	853.8	828.3	804.7
15°	1114.8	1088.7	1057.6	1013.9	977.0	937.6	900.0	865.1	832.4	804.1	774.2
17.5°	1130.0	1096.5	1063.1	1021.2	972.9	928.7	886.1	846.2	809.4	773.4	744.6
20°	1132.9	1098.3	1063.4	1022.4	972.9	922.2	879.7	831.7	792.1	755.0	719.6
22.5°	1132.0	1092.8	1054.8	1012.5	964.3	917.7	866.2	817.3	774.4	737.8	700.9
25°	1123.3	1081.5	1033.9	991.3	943.7	894.2	842.0	791.4	747.7	705.9	669.4
27.5°	1116.0	1061.8	1007.9	958.3	912.3	867.0	817.1	765.2	716.7	674.3	640.0
30°	1107.1	1047.6	987.0	935.2	888.1	843.9	796.8	746.2	695.5	654.1	617.2
32.5°	1099.1	1029.9	965.9	909.5	859.6	816.7	773.2	725.0	675.3	633.2	596.4
35°	1083.8	1003.6	930.3	866.6	813.2	769.2	732.8	687.8	642.2	601.5	566.2
37.5°	1064.2	969.1	890.4	823.6	765.2	718.7	684.8	650.4	606.5	567.3	535.4
40°	1048.8	944.5	861.2	792.9	732.4	684.0	652.6	620.0	583.5	547.0	513.3
42.5°	1029.5	922.4	831.7	758.3	698.3	651.2	618.1	590.5	558.4	524.3	493.0
45°	994.0	882.3	784.2	705.1	644.5	598.0	563.9	543.2	519.1	486.9	460.4
47.5°	941.7	834.2	732.7	651.1	588.5	545.5	513.5	493.6	476.7	452.7	428.7
50°	895.3	798.3	695.5	614.6	552.0	508.7	479.2	461.1	446.6	428.1	407.8
52.5°	843.5	753.2	659.0	579.0	517.1	474.3	445.4	429.5	417.4	404.1	384.2
55°	761.1	684.4	596.9	521.0	463.8	422.0	396.7	382.8	372.8	362.9	350.6
57.5°	670.3	610.4	532.8	463.4	410.8	372.7	349.1	335.7	327.9	322.8	315.6
60°	606.5	555.1	488.4	425.1	373.7	339.9	316.9	306.5	300.0	295.8	290.4
62.5°	547.2	505.0	443.2	385.5	340.5	308.6	288.0	278.0	271.8	269.7	265.2
65°	460.0	427.4	376.4	328.4	290.0	262.8	245.5	235.9	232.1	229.7	230.1
67.5°	374.0	354.1	313.2	272.3	241.6	218.7	204.9	197.5	195.6	192.6	192.5
70°	321.4	306.5	272.0	236.3	209.0	191.5	179.2	171.5	169.6	168.0	167.6
72.5°	275.1	262.1	232.1	203.5	179.0	163.5	153.4	148.8	145.6	144.7	144.6
75°	206.8	199.4	175.7	153.1	136.2	125.4	118.6	114.3	112.0	111.6	112.0
77.5°	147.0	140.7	125.5	109.5	98.9	90.7	84.8	83.4	80.8	80.9	80.5
80°	110.5	106.2	96.6	84.0	75.2	68.3	65.2	62.5	61.8	60.6	61.8
82.5°	80.1	75.5	69.1	61.0	53.7	49.6	46.5	45.6	45.1	44.6	44.8
85°	39.5	39.9	36.1	29.9	26.9	24.5	22.6	22.6	22.2	21.9	22.2
87.5°	14.4	13.7	12.3	11.3	9.7	8.6	8.2	8.4	7.6	7.4	7.8
90°	4.6	4.0	3.5	2.9	2.2	1.6	1.0	0.4	1.0	1.6	2.2
92.5°	12.3	11.6	11.0	10.4	10.0	9.5	9.1	8.7	9.1	9.5	10.0
95°	25.9	25.1	24.3	23.8	23.6	23.5	23.3	23.2	23.3	23.5	23.6
97.5°	41.6	40.5	39.4	38.8	38.8	38.7	38.6	38.6	38.6	38.7	38.8
100°	52.5	51.5	50.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
102.5°	64.9	64.4	63.9	63.5	63.2	62.9	62.6	62.2	62.6	62.9	63.2
105°	84.3	83.9	83.4	83.0	82.6	82.2	81.8	81.4	81.8	82.2	82.6
107.5°	105.2	104.8	104.5	104.1	103.7	103.3	102.9	102.5	102.9	103.3	103.7
110°	119.5	119.2	119.0	118.7	118.3	117.9	117.4	117.0	117.4	117.9	118.3



TEST NUMBER: P333161-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	133.6	133.3	133.0	132.7	132.5	132.3	132.1	131.9	132.1	132.3	132.5
115°	155.6	155.5	155.3	155.1	154.8	154.5	154.1	153.8	154.1	154.5	154.8
117.5°	176.8	176.7	176.5	176.4	176.2	176.1	175.9	175.8	175.9	176.1	176.2
120°	191.5	191.5	191.4	191.1	190.8	190.4	190.0	189.6	190.0	190.4	190.8
122.5°	205.5	205.3	205.1	204.9	204.8	204.7	204.5	204.4	204.5	204.7	204.8
125°	226.8	226.8	226.7	226.4	225.9	225.5	225.0	224.5	225.0	225.5	225.9
127.5°	247.4	247.3	247.2	247.0	246.7	246.5	246.2	245.9	246.2	246.5	246.7
130°	260.9	260.7	260.6	260.3	259.9	259.5	259.1	258.7	259.1	259.5	259.9
132.5°	274.5	274.5	274.6	274.2	273.6	273.0	272.3	271.7	272.3	273.0	273.6
135°	294.3	294.3	294.2	293.9	293.4	293.0	292.5	292.0	292.5	293.0	293.4
137.5°	313.6	313.5	313.3	313.0	312.5	312.0	311.5	311.1	311.5	312.0	312.5
140°	325.8	325.5	325.3	325.0	324.6	324.2	323.8	323.4	323.8	324.2	324.6
142.5°	337.9	337.6	337.3	337.0	336.7	336.3	336.0	335.7	336.0	336.3	336.7
145°	355.8	355.5	355.3	355.0	354.7	354.4	354.1	353.8	354.1	354.4	354.7
147.5°	371.7	371.5	371.3	371.1	370.9	370.7	370.6	370.4	370.6	370.7	370.9
150°	382.0	381.6	381.3	381.2	381.3	381.4	381.5	381.5	381.5	381.4	381.3
152.5°	391.5	391.4	391.2	391.1	391.0	390.9	390.8	390.7	390.8	390.9	391.0
155°	405.0	404.9	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8
157.5°	416.8	416.7	416.6	416.7	416.8	417.0	417.2	417.3	417.2	417.0	416.8
160°	423.8	423.8	423.7	423.8	424.0	424.2	424.5	424.7	424.5	424.2	424.0
162.5°	430.6	430.5	430.5	430.6	430.8	431.0	431.1	431.3	431.1	431.0	430.8
165°	439.6	439.5	439.4	439.5	439.6	439.8	439.9	440.1	439.9	439.8	439.6
167.5°	446.1	446.1	446.1	446.3	446.6	446.9	447.2	447.5	447.2	446.9	446.6
170°	450.1	450.1	450.1	450.2	450.6	450.9	451.2	451.5	451.2	450.9	450.6
172.5°	452.9	452.9	452.9	453.1	453.4	453.7	454.0	454.3	454.0	453.7	453.4
175°	456.2	456.2	456.2	456.4	456.7	457.0	457.3	457.6	457.3	457.0	456.7
177.5°	458.0	458.0	458.1	458.2	458.5	458.7	459.0	459.2	459.0	458.7	458.5
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



TEST NUMBER: P333161-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	888.2	884.7	882.0	875.9	872.5	867.9	864.2	868.2	863.9	865.8	863.0
5°	860.5	849.7	842.0	830.9	821.3	812.5	806.0	804.9	801.7	800.2	795.7
7.5°	827.2	813.7	800.5	786.0	773.7	761.2	753.2	746.6	742.3	736.5	732.6
10°	807.5	789.5	774.2	756.5	741.1	727.7	717.0	711.7	706.6	699.3	696.7
12.5°	783.3	764.7	745.9	727.0	712.4	697.3	688.1	680.0	676.6	668.3	667.5
15°	754.2	726.2	707.8	688.6	668.2	656.0	648.3	639.5	635.7	630.0	625.7
17.5°	719.5	694.5	671.5	651.7	634.2	623.9	614.3	608.2	601.7	597.9	591.0
20°	694.4	670.6	647.5	626.4	613.0	601.2	593.5	587.7	580.8	578.9	572.0
22.5°	673.2	646.9	624.8	607.1	592.5	579.1	570.8	566.8	562.1	556.1	554.8
25°	638.7	611.5	592.7	575.0	562.0	549.8	544.0	539.0	534.4	530.2	528.7
27.5°	608.9	584.6	562.3	546.3	535.0	523.8	518.8	512.7	509.3	505.9	501.8
30°	588.1	563.2	543.6	528.3	515.9	506.0	500.6	496.4	493.3	490.3	488.0
32.5°	566.6	543.5	524.5	509.6	497.3	489.8	484.9	482.0	478.6	474.9	472.0
35°	538.3	512.9	494.5	481.4	471.8	466.1	460.7	458.1	454.2	454.2	451.1
37.5°	506.2	484.3	468.1	456.2	447.6	442.4	436.7	434.8	432.3	430.7	429.7
40°	487.2	466.9	451.5	439.6	430.4	426.2	421.6	418.5	417.0	415.1	414.3
42.5°	467.6	448.2	433.4	422.4	414.4	410.8	406.6	404.5	401.3	398.8	398.4
45°	437.7	418.9	405.5	396.7	389.8	385.6	382.8	378.3	376.7	373.7	373.2
47.5°	409.4	391.3	378.2	370.9	364.9	361.4	357.2	352.6	350.8	349.3	349.2
50°	388.2	371.7	359.4	352.5	346.8	341.8	337.6	334.6	333.4	333.4	334.2
52.5°	366.8	352.7	342.2	333.9	328.4	323.1	319.2	317.3	315.6	317.4	318.8
55°	335.3	321.1	313.5	305.4	300.0	293.9	292.0	291.1	290.0	293.1	294.6
57.5°	301.9	292.1	283.1	275.1	270.2	266.7	264.1	263.7	265.8	267.2	272.3
60°	280.8	269.3	261.3	255.1	249.3	247.0	246.3	245.5	247.0	251.3	257.8
62.5°	257.5	248.1	239.4	234.9	230.7	226.8	226.6	227.1	230.1	235.0	241.6
65°	223.3	215.2	209.4	204.1	200.7	198.3	199.1	200.7	204.1	210.7	217.9
67.5°	188.5	183.0	177.8	173.5	170.2	170.2	171.0	173.3	177.3	184.8	191.5
70°	166.1	160.0	155.7	153.8	151.2	149.7	151.9	155.7	159.2	166.1	171.9
72.5°	143.7	138.5	135.2	133.9	132.7	131.5	132.3	136.4	141.1	148.0	154.7
75°	110.5	108.6	106.2	104.7	103.6	104.3	105.1	109.0	112.8	120.1	127.7
77.5°	80.7	78.7	77.3	76.9	76.2	76.6	78.8	81.6	85.4	90.7	96.5
80°	61.0	60.2	59.5	59.1	59.1	59.5	62.5	64.4	67.9	72.9	77.5
82.5°	44.4	43.9	43.8	43.7	44.0	44.1	45.9	48.5	51.3	55.1	59.1
85°	23.4	22.6	23.8	24.1	23.4	24.5	25.3	26.9	28.0	29.9	31.8
87.5°	8.3	9.0	8.8	9.2	9.3	10.0	9.8	11.1	11.8	12.5	12.2
90°	2.9	3.5	4.0	4.6	5.2	5.8	6.1	6.5	6.9	7.3	7.6
92.5°	10.4	11.0	11.6	12.3	13.0	13.7	14.2	14.7	15.2	15.8	16.2
95°	23.8	24.3	25.1	25.9	26.7	27.5	28.1	28.6	29.2	29.7	30.1
97.5°	38.8	39.4	40.5	41.6	42.6	43.7	44.3	44.8	45.3	45.8	46.2
100°	50.0	50.5	51.5	52.5	53.6	54.6	55.3	56.0	56.8	57.5	57.9
102.5°	63.5	63.9	64.4	64.9	65.5	66.0	66.9	67.6	68.4	69.2	69.7
105°	83.0	83.4	83.9	84.3	84.8	85.3	85.7	86.2	86.7	87.3	87.6
107.5°	104.1	104.5	104.8	105.2	105.5	105.9	106.1	106.4	106.6	106.8	107.0
110°	118.7	119.0	119.2	119.5	119.7	120.0	120.2	120.4	120.7	120.9	121.0



TEST NUMBER: P333161-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	132.7	133.0	133.3	133.6	133.9	134.2	134.3	134.4	134.5	134.6	134.6
115°	155.1	155.3	155.5	155.6	155.8	156.0	155.9	155.8	155.7	155.6	155.6
117.5°	176.4	176.5	176.7	176.8	176.9	177.1	177.1	177.2	177.3	177.3	177.2
120°	191.1	191.4	191.5	191.5	191.6	191.7	191.7	191.7	191.7	191.7	191.5
122.5°	204.9	205.1	205.3	205.5	205.7	205.9	205.9	205.8	205.7	205.7	205.5
125°	226.4	226.7	226.8	226.8	226.9	227.0	226.8	226.7	226.5	226.4	226.2
127.5°	247.0	247.2	247.3	247.4	247.5	247.5	247.5	247.4	247.3	247.2	247.1
130°	260.3	260.6	260.7	260.9	261.2	261.3	261.2	261.2	261.1	260.9	260.8
132.5°	274.2	274.6	274.5	274.5	274.5	274.4	274.3	274.3	274.2	274.1	274.0
135°	293.9	294.2	294.3	294.3	294.4	294.5	294.5	294.5	294.5	294.5	294.3
137.5°	313.0	313.3	313.5	313.6	313.8	314.0	314.1	314.2	314.3	314.4	314.2
140°	325.0	325.3	325.5	325.8	326.0	326.2	326.4	326.6	326.7	326.9	326.8
142.5°	337.0	337.3	337.6	337.9	338.2	338.5	338.6	338.7	338.8	338.9	338.7
145°	355.0	355.3	355.5	355.8	356.0	356.2	356.2	356.2	356.2	356.2	356.1
147.5°	371.1	371.3	371.5	371.7	371.8	372.0	372.2	372.4	372.6	372.8	372.6
150°	381.2	381.3	381.6	382.0	382.3	382.6	382.6	382.6	382.6	382.6	382.5
152.5°	391.1	391.2	391.4	391.5	391.6	391.7	391.9	392.1	392.3	392.5	392.4
155°	404.8	404.8	404.9	405.0	405.1	405.2	405.5	405.8	406.1	406.4	406.4
157.5°	416.7	416.6	416.7	416.8	416.8	416.9	417.2	417.5	417.9	418.2	418.1
160°	423.8	423.7	423.8	423.8	423.9	424.0	424.3	424.6	425.0	425.3	425.3
162.5°	430.6	430.5	430.5	430.6	430.6	430.6	431.0	431.3	431.7	432.1	432.1
165°	439.5	439.4	439.5	439.6	439.7	439.7	440.1	440.4	440.7	441.0	440.9
167.5°	446.3	446.1	446.1	446.1	446.1	446.1	446.6	447.1	447.5	448.0	448.0
170°	450.2	450.1	450.1	450.1	450.1	450.1	450.6	451.0	451.5	452.0	451.9
172.5°	453.1	452.9	452.9	452.9	452.9	452.9	453.4	453.9	454.3	454.8	454.8
175°	456.4	456.2	456.2	456.2	456.2	456.2	456.7	457.1	457.6	458.1	458.0
177.5°	458.2	458.1	458.0	458.0	457.9	457.8	458.2	458.6	459.0	459.3	459.3
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



TEST NUMBER: P333161-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	861.1	863.3	861.5	863.9	861.5	863.3	861.1	863.0	865.8	863.9	868.2
5°	793.8	790.2	792.5	791.0	792.5	790.2	793.8	795.7	800.2	801.7	804.9
7.5°	731.4	728.1	724.4	722.6	724.4	728.1	731.4	732.6	736.5	742.3	746.6
10°	692.5	688.2	687.8	685.2	687.8	688.2	692.5	696.7	699.3	706.6	711.7
12.5°	663.9	659.9	655.6	654.5	655.6	659.9	663.9	667.5	668.3	676.6	680.0
15°	623.4	620.4	617.6	620.0	617.6	620.4	623.4	625.7	630.0	635.7	639.5
17.5°	589.7	587.1	586.7	583.9	586.7	587.1	589.7	591.0	597.9	601.7	608.2
20°	568.6	566.6	567.3	562.4	567.3	566.6	568.6	572.0	578.9	580.8	587.7
22.5°	551.7	547.9	547.4	546.4	547.4	547.9	551.7	554.8	556.1	562.1	566.8
25°	525.2	523.3	521.4	523.3	521.4	523.3	525.2	528.7	530.2	534.4	539.0
27.5°	502.1	499.8	499.3	499.5	499.3	499.8	502.1	501.8	505.9	509.3	512.7
30°	488.0	484.1	484.5	484.1	484.5	484.1	488.0	488.0	490.3	493.3	496.4
32.5°	472.6	470.0	469.5	468.8	469.5	470.0	472.6	472.0	474.9	478.6	482.0
35°	450.0	450.0	448.1	448.1	448.1	450.0	450.0	451.1	454.2	454.2	458.1
37.5°	428.7	428.4	427.2	427.4	427.2	428.4	428.7	429.7	430.7	432.3	434.8
40°	412.7	412.4	411.2	408.9	411.2	412.4	412.7	414.3	415.1	417.0	418.5
42.5°	397.5	396.2	395.6	394.9	395.6	396.2	397.5	398.4	398.8	401.3	404.5
45°	373.2	373.2	372.5	372.1	372.5	373.2	373.2	373.2	373.7	376.7	378.3
47.5°	349.8	350.5	351.9	351.7	351.9	350.5	349.8	349.2	349.3	350.8	352.6
50°	335.7	336.1	337.2	337.6	337.2	336.1	335.7	334.2	333.4	333.4	334.6
52.5°	320.0	322.2	323.7	323.5	323.7	322.2	320.0	318.8	317.4	315.6	317.3
55°	298.1	300.7	303.5	303.9	303.5	300.7	298.1	294.6	293.1	290.0	291.1
57.5°	276.4	280.1	283.0	283.9	283.0	280.1	276.4	272.3	267.2	265.8	263.7
60°	261.7	266.6	270.0	271.7	270.0	266.6	261.7	257.8	251.3	247.0	245.5
62.5°	247.5	253.1	256.6	256.9	256.6	253.1	247.5	241.6	235.0	230.1	227.1
65°	224.4	230.1	233.3	235.5	233.3	230.1	224.4	217.9	210.7	204.1	200.7
67.5°	199.5	205.3	208.7	210.6	208.7	205.3	199.5	191.5	184.8	177.3	173.3
70°	181.5	187.2	191.8	193.4	191.8	187.2	181.5	171.9	166.1	159.2	155.7
72.5°	163.7	168.7	172.5	174.3	172.5	168.7	163.7	154.7	148.0	141.1	136.4
75°	132.7	139.7	143.1	145.0	143.1	139.7	132.7	127.7	120.1	112.8	109.0
77.5°	102.4	108.7	110.7	111.7	110.7	108.7	102.4	96.5	90.7	85.4	81.6
80°	82.1	85.9	88.7	89.0	88.7	85.9	82.1	77.5	72.9	67.9	64.4
82.5°	63.1	66.2	67.2	68.2	67.2	66.2	63.1	59.1	55.1	51.3	48.5
85°	34.5	36.1	36.5	36.1	36.5	36.1	34.5	31.8	29.9	28.0	26.9
87.5°	12.9	12.6	12.7	13.3	12.7	12.6	12.9	12.2	12.5	11.8	11.1
90°	7.9	8.1	8.3	8.6	8.3	8.1	7.9	7.6	7.3	6.9	6.5
92.5°	16.4	16.5	16.7	16.9	16.7	16.5	16.4	16.2	15.8	15.2	14.7
95°	30.2	30.4	30.5	30.7	30.5	30.4	30.2	30.1	29.7	29.2	28.6
97.5°	46.3	46.4	46.5	46.6	46.5	46.4	46.3	46.2	45.8	45.3	44.8
100°	58.1	58.3	58.4	58.6	58.4	58.3	58.1	57.9	57.5	56.8	56.0
102.5°	69.9	70.1	70.3	70.5	70.3	70.1	69.9	69.7	69.2	68.4	67.6
105°	87.8	88.1	88.3	88.6	88.3	88.1	87.8	87.6	87.3	86.7	86.2
107.5°	106.9	106.9	106.9	106.9	106.9	106.9	106.9	107.0	106.8	106.6	106.4
110°	120.9	120.8	120.7	120.7	120.7	120.8	120.9	121.0	120.9	120.7	120.4



TEST NUMBER: P333161-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	134.5	134.3	134.2	134.1	134.2	134.3	134.5	134.6	134.6	134.5	134.4
115°	155.5	155.4	155.3	155.2	155.3	155.4	155.5	155.6	155.6	155.7	155.8
117.5°	176.9	176.6	176.3	175.9	176.3	176.6	176.9	177.2	177.3	177.3	177.2
120°	191.2	190.9	190.6	190.3	190.6	190.9	191.2	191.5	191.7	191.7	191.7
122.5°	205.3	205.0	204.8	204.5	204.8	205.0	205.3	205.5	205.7	205.7	205.8
125°	226.2	226.1	226.0	225.9	226.0	226.1	226.2	226.2	226.4	226.5	226.7
127.5°	247.0	246.8	246.6	246.5	246.6	246.8	247.0	247.1	247.2	247.3	247.4
130°	260.6	260.5	260.3	260.2	260.3	260.5	260.6	260.8	260.9	261.1	261.2
132.5°	273.7	273.5	273.3	273.1	273.3	273.5	273.7	274.0	274.1	274.2	274.3
135°	294.0	293.7	293.4	293.1	293.4	293.7	294.0	294.3	294.5	294.5	294.5
137.5°	313.8	313.4	313.0	312.6	313.0	313.4	313.8	314.2	314.4	314.3	314.2
140°	326.4	326.0	325.6	325.2	325.6	326.0	326.4	326.8	326.9	326.7	326.6
142.5°	338.3	337.9	337.6	337.2	337.6	337.9	338.3	338.7	338.9	338.8	338.7
145°	355.9	355.6	355.4	355.2	355.4	355.6	355.9	356.1	356.2	356.2	356.2
147.5°	372.1	371.5	371.0	370.5	371.0	371.5	372.1	372.6	372.8	372.6	372.4
150°	382.4	382.2	382.0	381.9	382.0	382.2	382.4	382.5	382.6	382.6	382.6
152.5°	392.2	391.9	391.6	391.3	391.6	391.9	392.2	392.4	392.5	392.3	392.1
155°	406.0	405.6	405.2	404.8	405.2	405.6	406.0	406.4	406.4	406.1	405.8
157.5°	417.6	417.0	416.5	416.0	416.5	417.0	417.6	418.1	418.2	417.9	417.5
160°	424.9	424.4	424.0	423.6	424.0	424.4	424.9	425.3	425.3	425.0	424.6
162.5°	431.6	431.1	430.7	430.2	430.7	431.1	431.6	432.1	432.1	431.7	431.3
165°	440.4	440.0	439.5	439.0	439.5	440.0	440.4	440.9	441.0	440.7	440.4
167.5°	447.5	447.0	446.5	446.1	446.5	447.0	447.5	448.0	448.0	447.5	447.1
170°	451.4	450.8	450.3	449.7	450.3	450.8	451.4	451.9	452.0	451.5	451.0
172.5°	454.3	453.8	453.3	452.8	453.3	453.8	454.3	454.8	454.8	454.3	453.9
175°	457.5	456.9	456.4	455.8	456.4	456.9	457.5	458.0	458.1	457.6	457.1
177.5°	458.9	458.4	458.0	457.5	458.0	458.4	458.9	459.3	459.3	459.0	458.6
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



TEST NUMBER: P333161-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	864.2	867.9	872.5	875.9	882.0	884.7	888.2	890.9	895.9	900.4	905.9
5°	806.0	812.5	821.3	830.9	842.0	849.7	860.5	867.0	880.0	891.9	903.4
7.5°	753.2	761.2	773.7	786.0	800.5	813.7	827.2	842.0	858.7	878.4	894.6
10°	717.0	727.7	741.1	756.5	774.2	789.5	807.5	823.6	843.9	867.0	888.5
12.5°	688.1	697.3	712.4	727.0	745.9	764.7	783.3	804.7	828.3	853.8	880.8
15°	648.3	656.0	668.2	688.6	707.8	726.2	754.2	774.2	804.1	832.4	865.1
17.5°	614.3	623.9	634.2	651.7	671.5	694.5	719.5	744.6	773.4	809.4	846.2
20°	593.5	601.2	613.0	626.4	647.5	670.6	694.4	719.6	755.0	792.1	831.7
22.5°	570.8	579.1	592.5	607.1	624.8	646.9	673.2	700.9	737.8	774.4	817.3
25°	544.0	549.8	562.0	575.0	592.7	611.5	638.7	669.4	705.9	747.7	791.4
27.5°	518.8	523.8	535.0	546.3	562.3	584.6	608.9	640.0	674.3	716.7	765.2
30°	500.6	506.0	515.9	528.3	543.6	563.2	588.1	617.2	654.1	695.5	746.2
32.5°	484.9	489.8	497.3	509.6	524.5	543.5	566.6	596.4	633.2	675.3	725.0
35°	460.7	466.1	471.8	481.4	494.5	512.9	538.3	566.2	601.5	642.2	687.8
37.5°	436.7	442.4	447.6	456.2	468.1	484.3	506.2	535.4	567.3	606.5	650.4
40°	421.6	426.2	430.4	439.6	451.5	466.9	487.2	513.3	547.0	583.5	620.0
42.5°	406.6	410.8	414.4	422.4	433.4	448.2	467.6	493.0	524.3	558.4	590.5
45°	382.8	385.6	389.8	396.7	405.5	418.9	437.7	460.4	486.9	519.1	543.2
47.5°	357.2	361.4	364.9	370.9	378.2	391.3	409.4	428.7	452.7	476.7	493.6
50°	337.6	341.8	346.8	352.5	359.4	371.7	388.2	407.8	428.1	446.6	461.1
52.5°	319.2	323.1	328.4	333.9	342.2	352.7	366.8	384.2	404.1	417.4	429.5
55°	292.0	293.9	300.0	305.4	313.5	321.1	335.3	350.6	362.9	372.8	382.8
57.5°	264.1	266.7	270.2	275.1	283.1	292.1	301.9	315.6	322.8	327.9	335.7
60°	246.3	247.0	249.3	255.1	261.3	269.3	280.8	290.4	295.8	300.0	306.5
62.5°	226.6	226.8	230.7	234.9	239.4	248.1	257.5	265.2	269.7	271.8	278.0
65°	199.1	198.3	200.7	204.1	209.4	215.2	223.3	230.1	229.7	232.1	235.9
67.5°	171.0	170.2	170.2	173.5	177.8	183.0	188.5	192.5	192.6	195.6	197.5
70°	151.9	149.7	151.2	153.8	155.7	160.0	166.1	167.6	168.0	169.6	171.5
72.5°	132.3	131.5	132.7	133.9	135.2	138.5	143.7	144.6	144.7	145.6	148.8
75°	105.1	104.3	103.6	104.7	106.2	108.6	110.5	112.0	111.6	112.0	114.3
77.5°	78.8	76.6	76.2	76.9	77.3	78.7	80.7	80.5	80.9	80.8	83.4
80°	62.5	59.5	59.1	59.1	59.5	60.2	61.0	61.8	60.6	61.8	62.5
82.5°	45.9	44.1	44.0	43.7	43.8	43.9	44.4	44.8	44.6	45.1	45.6
85°	25.3	24.5	23.4	24.1	23.8	22.6	23.4	22.2	21.9	22.2	22.6
87.5°	9.8	10.0	9.3	9.2	8.8	9.0	8.3	7.8	7.4	7.6	8.4
90°	6.1	5.8	5.2	4.6	4.0	3.5	2.9	2.2	1.6	1.0	0.4
92.5°	14.2	13.7	13.0	12.3	11.6	11.0	10.4	10.0	9.5	9.1	8.7
95°	28.1	27.5	26.7	25.9	25.1	24.3	23.8	23.6	23.5	23.3	23.2
97.5°	44.3	43.7	42.6	41.6	40.5	39.4	38.8	38.8	38.7	38.6	38.6
100°	55.3	54.6	53.6	52.5	51.5	50.5	50.0	50.0	50.0	50.0	50.0
102.5°	66.9	66.0	65.5	64.9	64.4	63.9	63.5	63.2	62.9	62.6	62.2
105°	85.7	85.3	84.8	84.3	83.9	83.4	83.0	82.6	82.2	81.8	81.4
107.5°	106.1	105.9	105.5	105.2	104.8	104.5	104.1	103.7	103.3	102.9	102.5
110°	120.2	120.0	119.7	119.5	119.2	119.0	118.7	118.3	117.9	117.4	117.0



TEST NUMBER: P333161-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	134.3	134.2	133.9	133.6	133.3	133.0	132.7	132.5	132.3	132.1	131.9
115°	155.9	156.0	155.8	155.6	155.5	155.3	155.1	154.8	154.5	154.1	153.8
117.5°	177.1	177.1	176.9	176.8	176.7	176.5	176.4	176.2	176.1	175.9	175.8
120°	191.7	191.7	191.6	191.5	191.5	191.4	191.1	190.8	190.4	190.0	189.6
122.5°	205.9	205.9	205.7	205.5	205.3	205.1	204.9	204.8	204.7	204.5	204.4
125°	226.8	227.0	226.9	226.8	226.8	226.7	226.4	225.9	225.5	225.0	224.5
127.5°	247.5	247.5	247.5	247.4	247.3	247.2	247.0	246.7	246.5	246.2	245.9
130°	261.2	261.3	261.2	260.9	260.7	260.6	260.3	259.9	259.5	259.1	258.7
132.5°	274.3	274.4	274.5	274.5	274.5	274.6	274.2	273.6	273.0	272.3	271.7
135°	294.5	294.5	294.4	294.3	294.3	294.2	293.9	293.4	293.0	292.5	292.0
137.5°	314.1	314.0	313.8	313.6	313.5	313.3	313.0	312.5	312.0	311.5	311.1
140°	326.4	326.2	326.0	325.8	325.5	325.3	325.0	324.6	324.2	323.8	323.4
142.5°	338.6	338.5	338.2	337.9	337.6	337.3	337.0	336.7	336.3	336.0	335.7
145°	356.2	356.2	356.0	355.8	355.5	355.3	355.0	354.7	354.4	354.1	353.8
147.5°	372.2	372.0	371.8	371.7	371.5	371.3	371.1	370.9	370.7	370.6	370.4
150°	382.6	382.6	382.3	382.0	381.6	381.3	381.2	381.3	381.4	381.5	381.5
152.5°	391.9	391.7	391.6	391.5	391.4	391.2	391.1	391.0	390.9	390.8	390.7
155°	405.5	405.2	405.1	405.0	404.9	404.8	404.8	404.8	404.8	404.8	404.8
157.5°	417.2	416.9	416.8	416.8	416.7	416.6	416.7	416.8	417.0	417.2	417.3
160°	424.3	424.0	423.9	423.8	423.8	423.7	423.8	424.0	424.2	424.5	424.7
162.5°	431.0	430.6	430.6	430.6	430.5	430.5	430.6	430.8	431.0	431.1	431.3
165°	440.1	439.7	439.7	439.6	439.5	439.4	439.5	439.6	439.8	439.9	440.1
167.5°	446.6	446.1	446.1	446.1	446.1	446.1	446.3	446.6	446.9	447.2	447.5
170°	450.6	450.1	450.1	450.1	450.1	450.1	450.2	450.6	450.9	451.2	451.5
172.5°	453.4	452.9	452.9	452.9	452.9	452.9	453.1	453.4	453.7	454.0	454.3
175°	456.7	456.2	456.2	456.2	456.2	456.2	456.4	456.7	457.0	457.3	457.6
177.5°	458.2	457.8	457.9	458.0	458.0	458.1	458.2	458.5	458.7	459.0	459.2
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



TEST NUMBER: P333161-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	908.8	913.0	915.7	921.0	925.3	927.8	929.9	931.7	933.9	935.7	941.0
5°	914.5	924.5	933.0	946.0	958.0	967.1	977.0	985.9	993.2	1003.6	1011.6
7.5°	912.0	929.8	948.4	968.5	989.2	1008.4	1025.9	1042.5	1057.4	1075.5	1091.4
10°	909.6	933.7	957.6	984.7	1012.8	1036.5	1058.8	1081.5	1097.9	1121.0	1140.5
12.5°	907.8	936.2	964.9	997.6	1028.4	1062.0	1091.7	1108.1	1133.3	1151.7	1174.9
15°	900.0	937.6	977.0	1013.9	1057.6	1088.7	1114.8	1147.0	1170.4	1193.9	1219.1
17.5°	886.1	928.7	972.9	1021.2	1063.1	1096.5	1130.0	1161.1	1189.1	1220.4	1252.0
20°	879.7	922.2	972.9	1022.4	1063.4	1098.3	1132.9	1167.0	1197.7	1238.0	1274.3
22.5°	866.2	917.7	964.3	1012.5	1054.8	1092.8	1132.0	1170.6	1211.4	1257.0	1302.6
25°	842.0	894.2	943.7	991.3	1033.9	1081.5	1123.3	1175.1	1227.2	1287.5	1344.2
27.5°	817.1	867.0	912.3	958.3	1007.9	1061.8	1116.0	1174.8	1243.1	1319.1	1399.3
30°	796.8	843.9	888.1	935.2	987.0	1047.6	1107.1	1177.0	1256.0	1341.5	1436.6
32.5°	773.2	816.7	859.6	909.5	965.9	1029.9	1099.1	1175.7	1270.7	1368.0	1465.8
35°	732.8	769.2	813.2	866.6	930.3	1003.6	1083.8	1174.3	1283.2	1394.8	1477.3
37.5°	684.8	718.7	765.2	823.6	890.4	969.1	1064.2	1171.5	1287.3	1376.2	1402.9
40°	652.6	684.0	732.4	792.9	861.2	944.5	1048.8	1162.4	1274.3	1331.2	1309.3
42.5°	618.1	651.2	698.3	758.3	831.7	922.4	1029.5	1143.1	1237.0	1258.4	1182.9
45°	563.9	598.0	644.5	705.1	784.2	882.3	994.0	1097.1	1151.2	1112.5	995.5
47.5°	513.5	545.5	588.5	651.1	732.7	834.2	941.7	1024.0	1028.3	935.8	810.9
50°	479.2	508.7	552.0	614.6	695.5	798.3	895.3	960.2	931.1	826.4	706.3
52.5°	445.4	474.3	517.1	579.0	659.0	753.2	843.5	889.0	834.0	726.6	624.0
55°	396.7	422.0	463.8	521.0	596.9	684.4	761.1	776.8	705.5	599.6	516.3
57.5°	349.1	372.7	410.8	463.4	532.8	610.4	670.3	667.0	591.6	500.7	434.6
60°	316.9	339.9	373.7	425.1	488.4	555.1	606.5	594.2	519.5	441.2	385.6
62.5°	288.0	308.6	340.5	385.5	443.2	505.0	547.2	529.2	455.9	387.5	343.5
65°	245.5	262.8	290.0	328.4	376.4	427.4	460.0	436.6	374.1	320.7	285.4
67.5°	204.9	218.7	241.6	272.3	313.2	354.1	374.0	350.4	300.3	261.5	235.3
70°	179.2	191.5	209.0	236.3	272.0	306.5	321.4	300.3	257.4	224.0	205.2
72.5°	153.4	163.5	179.0	203.5	232.1	262.1	275.1	255.0	219.6	191.5	173.9
75°	118.6	125.4	136.2	153.1	175.7	199.4	206.8	189.1	166.5	145.4	133.9
77.5°	84.8	90.7	98.9	109.5	125.5	140.7	147.0	136.8	119.3	105.9	96.5
80°	65.2	68.3	75.2	84.0	96.6	106.2	110.5	103.9	91.7	81.7	74.4
82.5°	46.5	49.6	53.7	61.0	69.1	75.5	80.1	75.7	66.9	59.0	54.7
85°	22.6	24.5	26.9	29.9	36.1	39.9	39.5	36.9	33.3	30.3	28.0
87.5°	8.2	8.6	9.7	11.3	12.3	13.7	14.4	13.9	12.8	11.9	11.1
90°	1.0	1.6	2.2	2.9	3.5	4.0	4.6	5.2	5.8	6.1	6.5
92.5°	9.1	9.5	10.0	10.4	11.0	11.6	12.3	13.0	13.7	14.2	14.7
95°	23.3	23.5	23.6	23.8	24.3	25.1	25.9	26.7	27.5	28.1	28.6
97.5°	38.6	38.7	38.8	38.8	39.4	40.5	41.6	42.6	43.7	44.3	44.8
100°	50.0	50.0	50.0	50.0	50.5	51.5	52.5	53.6	54.6	55.3	56.0
102.5°	62.6	62.9	63.2	63.5	63.9	64.4	64.9	65.5	66.0	66.9	67.6
105°	81.8	82.2	82.6	83.0	83.4	83.9	84.3	84.8	85.3	85.7	86.2
107.5°	102.9	103.3	103.7	104.1	104.5	104.8	105.2	105.5	105.9	106.1	106.4
110°	117.4	117.9	118.3	118.7	119.0	119.2	119.5	119.7	120.0	120.2	120.4



TEST NUMBER: P333161-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	132.1	132.3	132.5	132.7	133.0	133.3	133.6	133.9	134.2	134.3	134.4
115°	154.1	154.5	154.8	155.1	155.3	155.5	155.6	155.8	156.0	155.9	155.8
117.5°	175.9	176.1	176.2	176.4	176.5	176.7	176.8	176.9	177.1	177.1	177.2
120°	190.0	190.4	190.8	191.1	191.4	191.5	191.5	191.6	191.7	191.7	191.7
122.5°	204.5	204.7	204.8	204.9	205.1	205.3	205.5	205.7	205.9	205.9	205.8
125°	225.0	225.5	225.9	226.4	226.7	226.8	226.8	226.9	227.0	226.8	226.7
127.5°	246.2	246.5	246.7	247.0	247.2	247.3	247.4	247.5	247.5	247.5	247.4
130°	259.1	259.5	259.9	260.3	260.6	260.7	260.9	261.2	261.3	261.2	261.2
132.5°	272.3	273.0	273.6	274.2	274.6	274.5	274.5	274.5	274.4	274.3	274.3
135°	292.5	293.0	293.4	293.9	294.2	294.3	294.3	294.4	294.5	294.5	294.5
137.5°	311.5	312.0	312.5	313.0	313.3	313.5	313.6	313.8	314.0	314.1	314.2
140°	323.8	324.2	324.6	325.0	325.3	325.5	325.8	326.0	326.2	326.4	326.6
142.5°	336.0	336.3	336.7	337.0	337.3	337.6	337.9	338.2	338.5	338.6	338.7
145°	354.1	354.4	354.7	355.0	355.3	355.5	355.8	356.0	356.2	356.2	356.2
147.5°	370.6	370.7	370.9	371.1	371.3	371.5	371.7	371.8	372.0	372.2	372.4
150°	381.5	381.4	381.3	381.2	381.3	381.6	382.0	382.3	382.6	382.6	382.6
152.5°	390.8	390.9	391.0	391.1	391.2	391.4	391.5	391.6	391.7	391.9	392.1
155°	404.8	404.8	404.8	404.8	404.8	404.9	405.0	405.1	405.2	405.5	405.8
157.5°	417.2	417.0	416.8	416.7	416.6	416.7	416.8	416.8	416.9	417.2	417.5
160°	424.5	424.2	424.0	423.8	423.7	423.8	423.8	423.9	424.0	424.3	424.6
162.5°	431.1	431.0	430.8	430.6	430.5	430.5	430.6	430.6	430.6	431.0	431.3
165°	439.9	439.8	439.6	439.5	439.4	439.5	439.6	439.7	439.7	440.1	440.4
167.5°	447.2	446.9	446.6	446.3	446.1	446.1	446.1	446.1	446.1	446.6	447.1
170°	451.2	450.9	450.6	450.2	450.1	450.1	450.1	450.1	450.1	450.6	451.0
172.5°	454.0	453.7	453.4	453.1	452.9	452.9	452.9	452.9	452.9	453.4	453.9
175°	457.3	457.0	456.7	456.4	456.2	456.2	456.2	456.2	456.2	456.7	457.1
177.5°	459.0	458.7	458.5	458.2	458.1	458.0	458.0	457.9	457.8	458.2	458.6
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	945.2	947.7	952.9	951.1	953.5	954.7	956.0
5°	1021.6	1033.9	1039.3	1038.4	1046.5	1044.6	1042.7
7.5°	1107.8	1120.7	1127.9	1136.9	1142.2	1142.5	1147.0
10°	1156.6	1173.5	1180.4	1190.0	1196.2	1199.6	1199.2
12.5°	1194.1	1207.3	1222.7	1227.5	1235.8	1240.1	1238.5
15°	1239.1	1260.2	1276.3	1284.3	1294.7	1297.8	1302.0
17.5°	1279.3	1307.6	1326.5	1351.4	1360.9	1366.7	1363.2
20°	1309.7	1346.9	1365.7	1395.6	1412.1	1421.0	1417.9
22.5°	1345.6	1385.8	1420.7	1446.5	1471.7	1483.6	1486.0
25°	1407.1	1462.4	1513.4	1547.5	1578.6	1585.9	1602.0
27.5°	1475.9	1541.1	1595.6	1631.4	1653.1	1661.2	1666.3
30°	1519.1	1584.0	1625.1	1648.0	1655.0	1654.2	1653.5
32.5°	1540.3	1580.9	1588.8	1582.4	1566.6	1553.2	1539.2
35°	1510.4	1480.1	1434.7	1376.4	1333.5	1290.1	1285.9
37.5°	1358.4	1261.4	1186.1	1102.0	1053.4	1023.4	1002.6
40°	1215.3	1105.2	1013.9	942.9	893.4	873.9	854.7
42.5°	1060.1	954.8	873.9	814.7	777.5	755.8	740.5
45°	861.2	768.4	705.1	662.2	632.6	615.7	606.1
47.5°	705.7	637.0	583.3	552.3	531.9	518.8	518.8
50°	622.3	556.6	521.0	496.4	478.8	468.4	470.3
52.5°	548.3	499.3	468.8	448.2	435.2	428.8	428.6
55°	458.5	423.1	403.2	388.2	379.4	372.1	373.7
57.5°	392.1	362.3	349.0	336.6	330.4	327.5	323.4
60°	351.0	328.0	316.5	306.5	300.3	298.1	293.9
62.5°	314.5	296.4	285.2	277.0	271.6	270.7	267.4
65°	264.3	250.5	240.5	236.7	231.0	229.4	229.4
67.5°	217.9	208.0	200.3	196.7	194.2	194.6	192.7
70°	188.7	180.7	175.7	171.9	170.0	170.4	168.7
72.5°	165.1	156.1	151.8	149.5	146.9	147.9	147.3
75°	125.0	120.5	118.2	115.8	114.3	113.5	112.8
77.5°	91.8	87.8	86.0	84.7	84.9	83.1	84.5
80°	71.0	67.6	66.3	64.4	64.0	64.0	63.7
82.5°	51.9	50.0	49.2	47.6	46.9	47.5	46.5
85°	26.9	25.3	24.9	24.9	24.1	23.4	25.3
87.5°	11.2	10.1	10.1	9.9	9.9	9.7	9.1
90°	6.9	7.3	7.6	7.9	8.1	8.3	8.6
92.5°	15.2	15.8	16.2	16.4	16.5	16.7	16.9
95°	29.2	29.7	30.1	30.2	30.4	30.5	30.7
97.5°	45.3	45.8	46.2	46.3	46.4	46.5	46.6
100°	56.8	57.5	57.9	58.1	58.3	58.4	58.6
102.5°	68.4	69.2	69.7	69.9	70.1	70.3	70.5
105°	86.7	87.3	87.6	87.8	88.1	88.3	88.6
107.5°	106.6	106.8	107.0	106.9	106.9	106.9	106.9
110°	120.7	120.9	121.0	120.9	120.8	120.7	120.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	134.5	134.6	134.6	134.5	134.3	134.2	134.1
115°	155.7	155.6	155.6	155.5	155.4	155.3	155.2
117.5°	177.3	177.3	177.2	176.9	176.6	176.3	175.9
120°	191.7	191.7	191.5	191.2	190.9	190.6	190.3
122.5°	205.7	205.7	205.5	205.3	205.0	204.8	204.5
125°	226.5	226.4	226.2	226.2	226.1	226.0	225.9
127.5°	247.3	247.2	247.1	247.0	246.8	246.6	246.5
130°	261.1	260.9	260.8	260.6	260.5	260.3	260.2
132.5°	274.2	274.1	274.0	273.7	273.5	273.3	273.1
135°	294.5	294.5	294.3	294.0	293.7	293.4	293.1
137.5°	314.3	314.4	314.2	313.8	313.4	313.0	312.6
140°	326.7	326.9	326.8	326.4	326.0	325.6	325.2
142.5°	338.8	338.9	338.7	338.3	337.9	337.6	337.2
145°	356.2	356.2	356.1	355.9	355.6	355.4	355.2
147.5°	372.6	372.8	372.6	372.1	371.5	371.0	370.5
150°	382.6	382.6	382.5	382.4	382.2	382.0	381.9
152.5°	392.3	392.5	392.4	392.2	391.9	391.6	391.3
155°	406.1	406.4	406.4	406.0	405.6	405.2	404.8
157.5°	417.9	418.2	418.1	417.6	417.0	416.5	416.0
160°	425.0	425.3	425.3	424.9	424.4	424.0	423.6
162.5°	431.7	432.1	432.1	431.6	431.1	430.7	430.2
165°	440.7	441.0	440.9	440.4	440.0	439.5	439.0
167.5°	447.5	448.0	448.0	447.5	447.0	446.5	446.1
170°	451.5	452.0	451.9	451.4	450.8	450.3	449.7
172.5°	454.3	454.8	454.8	454.3	453.8	453.3	452.8
175°	457.6	458.1	458.0	457.5	456.9	456.4	455.8
177.5°	459.0	459.3	459.3	458.9	458.4	458.0	457.5
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7

(END OF REPORT)