

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: P333180-927

Luminaire Tested: **S125DIP-S610D810U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333180-927
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-S610D810U927-4F0-1E-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: 4306.3 lumens
Efficiency: N/A
Efficacy: 112.1 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

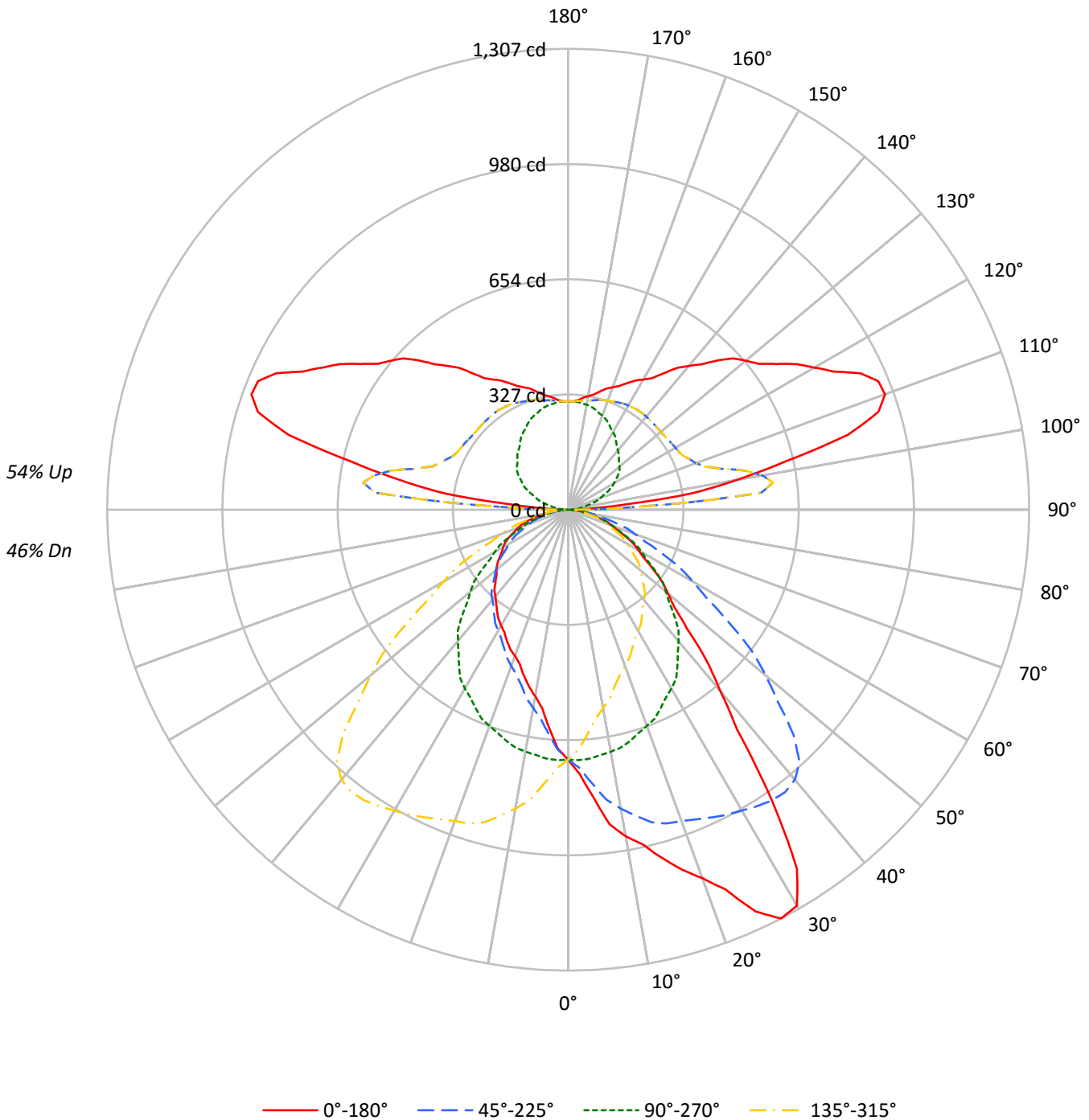
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	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°	4579	4579	4579	4579
5°	5302	4595	4023	4595
10°	6169	4571	3525	4571
15°	6829	4537	3251	4537
20°	7644	4484	3032	4484
25°	8955	4424	2925	4424
30°	9672	4365	2832	4365
35°	7953	4254	2771	4254
40°	5653	4100	2705	4100
45°	4343	3892	2666	3892
50°	3706	3634	2661	3634
55°	3300	3381	2684	3381
60°	2977	3105	2753	3105
65°	2751	2829	2823	2829
70°	2500	2540	2865	2540
75°	2208	2238	2840	2238
80°	1860	1822	2596	1822
85°	1475	1312	2097	1312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.6
10°-20°	203.2	4.7
20°-30°	330.0	7.7
30°-40°	402.5	9.3
40°-50°	366.2	8.5
50°-60°	291.7	6.8
60°-70°	203.2	4.7
70°-80°	108.3	2.5
80°-90°	29.1	0.7
90°-100°	222.7	5.2
100°-110°	478.7	11.1
110°-120°	449.3	10.4
120°-130°	364.1	8.5
130°-140°	292.2	6.8
140°-150°	220.5	5.1
150°-160°	155.2	3.6
160°-170°	91.5	2.1
170°-180°	29.8	0.7
0°-30°	601.5	14.0
0°-40°	1004.0	23.3
0°-60°	1661.8	38.6
0°-90°	2002.4	46.5
90°-120°	1150.7	26.7
90°-150°	2027.5	47.1
90°-180°	2304.0	53.5
0°-180°	4306.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	709	709	709	709	709	
5°	818	709	620	709	818	82
15°	1021	679	486	679	1021	292
25°	1257	621	410	621	1257	574
35°	1009	540	352	540	1009	617
45°	476	426	292	426	476	381
55°	293	300	238	300	293	264
65°	180	185	185	185	180	179
75°	88	90	114	90	88	95
85°	20	18	28	18	20	23
90°	14	1	14	1	14	11
95°	146	20	146	20	146	206
105°	821	70	821	70	821	816
115°	914	125	914	125	914	893
125°	720	173	720	173	720	652
135°	598	203	598	203	598	464
145°	472	237	472	237	472	300
155°	396	270	396	270	396	184
165°	347	295	347	295	347	99
175°	312	307	312	307	312	30
180°	307	307	307	307	307	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	750.0	748.9	748.0	746.1	747.5	743.4	741.5	738.2	734.0	732.6	730.9
5°	817.9	819.4	820.9	814.6	815.2	811.0	801.4	793.5	787.3	779.1	773.4
7.5°	899.8	896.2	896.0	891.8	884.8	879.2	869.0	856.1	843.7	829.5	817.8
10°	940.7	941.0	938.3	933.5	926.0	920.5	907.3	894.7	879.3	861.3	848.3
12.5°	971.5	972.8	969.4	962.9	959.2	947.1	936.7	921.6	903.4	889.0	869.3
15°	1021.4	1018.0	1015.7	1007.5	1001.2	988.6	972.0	956.3	936.5	918.1	899.8
17.5°	1069.4	1072.1	1067.5	1060.1	1040.5	1025.7	1003.5	982.1	957.4	932.8	910.9
20°	1112.2	1114.7	1107.7	1094.8	1071.3	1056.5	1027.4	999.7	971.1	939.5	915.4
22.5°	1165.7	1163.8	1154.4	1134.7	1114.4	1087.1	1055.6	1021.8	986.0	950.3	918.3
25°	1256.7	1244.0	1238.3	1213.9	1187.2	1147.2	1103.8	1054.5	1010.0	962.7	921.8
27.5°	1307.1	1303.1	1296.8	1279.8	1251.6	1208.9	1157.8	1097.6	1034.7	975.2	921.5
30°	1297.0	1297.6	1298.2	1292.8	1274.8	1242.5	1191.7	1127.0	1052.3	985.2	923.3
32.5°	1207.4	1218.4	1228.9	1241.3	1246.3	1240.2	1208.3	1149.9	1073.1	996.8	922.3
35°	1008.7	1012.0	1046.1	1079.7	1125.5	1161.0	1184.8	1158.9	1094.2	1006.6	921.1
37.5°	786.5	802.8	826.3	864.4	930.4	989.5	1065.6	1100.5	1079.6	1009.8	919.0
40°	670.5	685.6	700.8	739.7	795.4	867.0	953.3	1027.1	1044.3	999.7	911.8
42.5°	580.9	592.9	609.9	639.1	685.6	749.0	831.6	927.9	987.1	970.3	896.7
45°	475.5	483.0	496.2	519.4	553.1	602.8	675.6	780.9	872.7	903.1	860.6
47.5°	406.9	406.9	417.2	433.2	457.6	499.7	553.6	636.1	734.1	806.7	803.3
50°	368.9	367.4	375.6	389.4	408.7	436.7	488.1	554.1	648.2	730.4	753.2
52.5°	336.2	336.4	341.4	351.6	367.7	391.7	430.1	489.5	570.0	654.3	697.4
55°	293.1	291.9	297.6	304.5	316.3	331.9	359.7	405.0	470.3	553.4	609.3
57.5°	253.7	256.9	259.2	264.0	273.8	284.2	307.6	341.0	392.8	464.1	523.2
60°	230.5	233.9	235.6	240.4	248.3	257.3	275.4	302.5	346.1	407.5	466.1
62.5°	209.8	212.4	213.0	217.3	223.7	232.5	246.7	269.4	304.0	357.6	415.1
65°	180.0	180.0	181.2	185.7	188.7	196.5	207.3	223.9	251.6	293.4	342.5
67.5°	151.1	152.7	152.3	154.3	157.1	163.2	171.0	184.6	205.1	235.6	274.9
70°	132.4	133.6	133.3	134.8	137.8	141.7	148.1	161.0	175.7	201.9	235.6
72.5°	115.6	116.1	115.3	117.2	119.1	122.5	129.5	136.4	150.2	172.3	200.0
75°	88.5	89.0	89.7	90.9	92.7	94.5	98.1	105.0	114.1	130.6	148.4
77.5°	66.3	65.2	66.6	66.5	67.5	68.8	72.0	75.7	83.1	93.6	107.3
80°	50.0	50.2	50.2	50.5	52.0	53.0	55.7	58.4	64.1	71.9	81.5
82.5°	36.4	37.2	36.8	37.3	38.6	39.2	40.7	42.9	46.3	52.4	59.4
85°	19.9	18.4	18.9	19.6	19.6	19.9	21.1	21.9	23.8	26.1	28.9
87.5°	8.6	9.1	9.2	9.2	9.4	9.2	10.1	9.9	10.5	11.2	11.9
90°	14.3	14.3	13.6	13.6	13.6	12.4	11.8	11.2	10.5	9.9	8.6
92.5°	39.5	40.5	41.4	42.9	50.8	60.0	79.7	109.8	161.7	199.7	202.9
95°	145.5	155.5	160.4	179.0	223.0	275.0	351.2	445.4	537.0	548.8	447.8
97.5°	351.8	359.7	377.7	412.4	450.7	523.0	597.2	663.3	679.5	586.1	399.9
100°	483.2	493.1	515.9	560.5	603.3	667.7	731.5	761.8	714.2	559.4	356.8
102.5°	629.8	637.2	662.1	693.9	739.6	783.2	813.8	795.0	693.4	512.2	324.1
105°	820.7	828.1	840.5	860.9	880.8	887.6	860.4	775.5	626.9	449.1	292.4
107.5°	922.0	927.0	931.1	931.2	921.1	888.8	818.9	705.6	559.0	405.6	279.0
110°	955.8	955.8	951.4	939.6	911.7	859.1	771.7	654.1	520.3	385.2	275.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	951.8	947.3	936.5	916.3	875.6	813.5	725.2	613.5	491.5	373.4	275.0
115°	914.3	906.2	888.8	859.1	810.8	743.3	658.5	562.4	460.2	360.5	276.9
117.5°	848.4	843.5	826.2	795.6	747.3	685.3	612.2	529.5	441.5	354.2	281.0
120°	805.8	800.9	784.2	754.4	708.6	654.1	586.0	511.6	431.1	351.2	284.9
122.5°	768.2	763.7	747.0	719.8	678.9	627.8	567.1	498.3	422.2	348.7	288.4
125°	720.3	714.2	700.5	675.2	640.5	595.9	542.0	478.8	410.0	345.6	294.2
127.5°	679.5	676.8	663.8	641.4	610.0	568.2	517.9	459.0	398.9	344.1	300.8
130°	657.2	653.5	641.1	620.7	589.7	549.4	501.1	446.6	391.5	343.2	304.8
132.5°	634.9	630.7	619.2	598.8	567.8	529.1	485.2	434.2	385.6	343.2	309.2
135°	598.3	594.6	583.4	563.0	535.8	500.5	460.8	418.1	378.4	343.2	315.3
137.5°	559.4	555.2	544.9	526.4	501.9	472.0	439.0	404.5	372.2	343.9	320.8
140°	532.0	528.9	519.7	503.6	480.6	454.6	426.1	397.0	369.2	344.4	323.3
142.5°	506.8	504.2	495.4	481.8	462.3	439.7	415.3	390.6	366.7	344.9	324.8
145°	472.0	469.5	462.7	452.2	437.3	420.6	401.4	382.1	363.0	344.4	326.5
147.5°	442.5	441.4	437.4	429.0	417.2	404.6	389.8	374.2	359.1	342.8	327.0
150°	426.1	425.6	423.0	415.7	406.3	395.1	383.4	369.8	356.2	341.3	327.0
152.5°	413.3	412.6	410.2	404.3	396.4	387.8	377.0	364.8	352.7	339.3	326.5
155°	395.8	395.1	393.3	389.0	382.8	376.0	367.3	357.4	346.9	335.7	325.2
157.5°	380.2	380.3	378.6	375.0	370.2	364.8	358.1	350.0	341.4	332.0	323.6
160°	369.8	370.4	369.2	366.1	361.7	357.4	351.2	345.0	337.0	329.5	322.1
162.5°	360.4	360.5	360.2	357.7	354.3	350.5	345.2	339.5	333.0	326.5	320.6
165°	346.9	346.9	346.9	345.6	343.2	340.1	336.4	332.0	327.0	322.1	318.4
167.5°	334.5	334.6	335.1	334.0	332.7	330.5	327.6	324.8	321.2	317.7	314.9
170°	327.0	327.6	327.6	327.0	325.8	324.6	322.7	320.8	317.7	315.3	313.4
172.5°	320.1	320.8	321.7	320.6	320.4	319.6	318.2	316.4	314.3	312.3	311.4
175°	311.6	312.2	313.4	312.8	312.8	312.8	311.6	311.6	309.7	309.1	309.1
177.5°	307.2	307.2	308.7	308.2	308.7	308.7	308.7	308.2	307.7	307.2	307.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	729.4	727.8	725.9	722.5	718.4	716.2	712.9	710.7	706.3	702.7	698.9
5°	766.4	758.7	751.5	742.1	731.9	725.2	717.4	708.7	699.7	690.3	680.1
7.5°	804.8	791.0	775.9	759.7	743.9	729.4	715.4	701.8	689.0	673.6	660.5
10°	830.6	813.1	794.5	772.5	751.1	732.5	713.5	697.0	680.1	662.0	646.1
12.5°	856.3	833.1	806.8	782.6	756.9	734.4	712.1	690.9	669.8	649.7	631.2
15°	874.5	854.1	829.7	795.4	766.4	735.5	706.0	678.6	653.0	630.7	607.3
17.5°	886.5	860.2	833.9	801.1	763.2	728.5	695.1	663.8	634.9	606.7	584.1
20°	888.7	861.6	834.2	802.0	763.2	723.4	690.1	652.4	621.4	592.2	564.5
22.5°	888.0	857.2	827.4	794.2	756.5	719.9	679.5	641.1	607.4	578.8	549.9
25°	881.1	848.3	811.0	777.6	740.3	701.5	660.5	620.8	586.5	553.7	525.1
27.5°	875.4	832.9	790.7	751.7	715.7	680.1	641.0	600.2	562.2	528.9	502.0
30°	868.5	821.8	774.3	733.6	696.6	662.0	625.0	585.3	545.6	513.1	484.2
32.5°	862.2	807.9	757.7	713.4	674.3	640.6	606.5	568.7	529.7	496.7	467.9
35°	850.2	787.3	729.8	679.8	637.9	603.4	574.8	539.6	503.7	471.8	444.2
37.5°	834.8	760.2	698.5	646.1	600.2	563.8	537.2	510.2	475.8	445.0	420.0
40°	822.8	740.9	675.6	622.0	574.5	536.5	511.9	486.3	457.7	429.1	402.7
42.5°	807.6	723.6	652.4	594.8	547.8	510.8	484.9	463.2	438.0	411.3	386.7
45°	779.7	692.1	615.1	553.1	505.6	469.1	442.4	426.1	407.2	381.9	361.2
47.5°	738.7	654.4	574.7	510.7	461.7	427.9	402.8	387.2	373.9	355.1	336.3
50°	702.3	626.2	545.6	482.1	433.0	399.0	375.9	361.7	350.3	335.8	319.9
52.5°	661.7	590.8	517.0	454.2	405.6	372.1	349.4	336.9	327.4	317.0	301.3
55°	597.1	536.9	468.3	408.7	363.8	331.1	311.2	300.3	292.5	284.7	275.0
57.5°	525.9	478.8	418.0	363.5	322.3	292.4	273.9	263.3	257.2	253.2	247.6
60°	475.8	435.5	383.1	333.4	293.1	266.6	248.6	240.4	235.4	232.0	227.8
62.5°	429.3	396.2	347.7	302.4	267.1	242.1	225.9	218.1	213.2	211.6	208.0
65°	360.8	335.3	295.2	257.6	227.5	206.1	192.6	185.1	182.0	180.2	180.5
67.5°	293.3	277.7	245.7	213.6	189.5	171.6	160.7	155.0	153.4	151.1	151.0
70°	252.2	240.4	213.3	185.4	164.0	150.2	140.5	134.5	133.0	131.8	131.5
72.5°	215.8	205.6	182.0	159.6	140.5	128.3	120.3	116.7	114.2	113.5	113.4
75°	162.2	156.5	137.8	120.1	106.9	98.4	93.0	89.7	87.9	87.5	87.9
77.5°	115.3	110.4	98.5	85.9	77.6	71.1	66.5	65.4	63.4	63.5	63.1
80°	86.7	83.3	75.8	65.9	59.0	53.6	51.2	49.0	48.5	47.5	48.5
82.5°	62.8	59.3	54.2	47.8	42.1	38.9	36.4	35.8	35.4	35.0	35.2
85°	31.0	31.3	28.3	23.4	21.1	19.3	17.7	17.7	17.4	17.2	17.4
87.5°	12.2	11.5	10.4	9.4	8.0	7.0	6.5	6.7	6.0	6.0	6.5
90°	8.1	6.8	6.2	5.0	3.7	2.5	1.3	0.6	1.3	2.5	3.7
92.5°	141.3	84.6	50.8	32.7	22.0	14.3	9.2	7.5	9.2	14.3	22.0
95°	276.9	140.6	74.3	46.4	32.8	26.0	21.1	20.4	21.1	26.0	32.8
97.5°	221.0	121.1	77.3	57.2	45.0	38.2	34.7	33.9	34.7	38.2	45.0
100°	200.7	120.2	84.2	65.7	53.9	47.1	44.6	43.3	44.6	47.1	53.9
102.5°	192.3	124.6	92.7	74.5	63.8	56.5	54.5	53.8	54.5	56.5	63.8
105°	188.9	133.8	106.5	89.2	79.3	73.1	70.0	70.0	70.0	73.1	79.3
107.5°	194.6	147.4	121.0	105.4	95.1	90.1	87.1	85.9	87.1	90.1	95.1
110°	200.1	157.3	131.9	115.8	106.5	100.9	98.5	97.3	98.5	100.9	106.5



TEST NUMBER: P333180-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	207.0	166.8	142.4	126.7	117.4	111.9	109.9	108.6	109.9	111.9	117.4
115°	217.4	181.5	158.6	143.1	133.8	128.3	126.4	125.1	126.4	128.3	133.8
117.5°	229.3	196.6	174.9	159.9	149.4	143.9	141.9	140.0	141.9	143.9	149.4
120°	237.3	207.5	185.8	170.3	159.8	154.2	151.8	149.9	151.8	154.2	159.8
122.5°	246.1	217.9	196.2	180.8	169.2	163.7	161.7	160.3	161.7	163.7	169.2
125°	258.3	231.6	211.2	195.1	183.3	177.8	174.7	173.4	174.7	177.8	183.3
127.5°	269.4	244.9	225.2	209.1	196.6	189.6	185.6	183.7	185.6	189.6	196.6
130°	276.9	253.3	234.2	218.0	205.0	196.9	192.0	190.1	192.0	196.9	205.0
132.5°	283.3	261.3	242.1	225.9	212.5	203.4	197.5	195.1	197.5	203.4	212.5
135°	292.4	272.0	252.7	236.0	223.0	213.1	205.7	203.2	205.7	213.1	223.0
137.5°	299.0	279.5	262.0	244.8	232.0	222.1	215.2	213.3	215.2	222.1	232.0
140°	303.5	284.9	267.0	250.3	238.4	228.5	221.1	219.3	221.1	228.5	238.4
142.5°	306.0	288.4	271.4	255.7	244.4	234.5	227.6	226.2	227.6	234.5	244.4
145°	309.7	294.2	278.1	263.9	252.7	244.1	237.8	236.6	237.8	244.1	252.7
147.5°	312.0	297.9	283.8	271.3	261.7	253.6	248.3	247.5	248.3	253.6	261.7
150°	313.4	300.4	286.8	276.2	267.6	259.5	255.2	254.0	255.2	259.5	267.6
152.5°	314.4	302.9	290.3	280.7	272.5	265.5	261.7	260.9	261.7	265.5	272.5
155°	315.3	305.4	294.9	286.1	280.0	273.8	270.1	270.1	270.1	273.8	280.0
157.5°	315.9	307.4	298.4	291.8	286.4	281.1	278.1	278.2	278.1	281.1	286.4
160°	315.9	308.5	300.4	294.9	289.9	285.6	283.0	283.7	283.0	285.6	289.9
162.5°	315.4	309.4	302.4	297.8	293.8	290.0	287.6	288.1	287.6	290.0	293.8
165°	314.7	309.7	304.8	301.0	298.6	295.5	293.6	294.9	293.6	295.5	298.6
167.5°	313.1	309.7	305.6	303.2	301.5	299.8	298.7	299.3	298.7	299.8	301.5
170°	312.2	309.7	306.6	304.8	303.5	302.3	301.7	302.3	301.7	302.3	303.5
172.5°	311.2	309.2	306.6	305.7	305.0	303.7	303.2	304.3	303.2	303.7	305.0
175°	309.7	308.5	306.6	306.6	306.6	306.0	305.4	306.6	305.4	306.0	306.6
177.5°	308.2	307.7	306.7	306.7	307.2	306.7	306.7	307.7	306.7	306.7	307.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333180-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	696.7	694.0	691.9	687.1	684.4	680.8	677.9	681.0	677.7	679.1	677.0
5°	675.0	666.5	660.5	651.8	644.3	637.4	632.2	631.4	628.9	627.7	624.2
7.5°	648.9	638.3	628.0	616.6	606.9	597.1	590.8	585.7	582.3	577.7	574.6
10°	633.4	619.3	607.3	593.4	581.4	570.8	562.4	558.3	554.3	548.6	546.5
12.5°	614.4	599.8	585.1	570.3	558.8	547.0	539.8	533.5	530.8	524.3	523.6
15°	591.6	569.7	555.2	540.2	524.2	514.6	508.6	501.7	498.7	494.2	490.8
17.5°	564.4	544.8	526.7	511.2	497.5	489.4	481.9	477.1	472.0	469.1	463.6
20°	544.7	526.0	507.9	491.4	480.9	471.6	465.6	461.1	455.6	454.1	448.7
22.5°	528.1	507.5	490.1	476.3	464.8	454.2	447.7	444.7	440.9	436.3	435.2
25°	501.1	479.7	464.9	451.1	440.8	431.3	426.7	422.8	419.2	415.9	414.7
27.5°	477.7	458.6	441.1	428.6	419.7	410.9	406.9	402.2	399.5	396.9	393.6
30°	461.4	441.8	426.4	414.4	404.7	397.0	392.7	389.4	387.0	384.6	382.8
32.5°	444.5	426.4	411.5	399.7	390.1	384.2	380.4	378.1	375.4	372.6	370.3
35°	422.2	402.3	387.9	377.6	370.1	365.6	361.4	359.3	356.3	356.3	353.9
37.5°	397.1	379.9	367.2	357.8	351.1	347.1	342.5	341.1	339.1	337.9	337.1
40°	382.1	366.2	354.2	344.8	337.6	334.3	330.7	328.3	327.1	325.6	325.0
42.5°	366.8	351.6	340.0	331.4	325.1	322.3	318.9	317.3	314.8	312.8	312.5
45°	343.3	328.6	318.1	311.2	305.8	302.5	300.3	296.8	295.5	293.1	292.8
47.5°	321.2	307.0	296.7	291.0	286.2	283.5	280.2	276.6	275.2	274.0	273.9
50°	304.5	291.6	281.9	276.6	272.0	268.2	264.8	262.4	261.5	261.5	262.1
52.5°	287.7	276.7	268.5	261.9	257.6	253.4	250.4	248.9	247.6	249.0	250.1
55°	263.0	251.9	245.9	239.6	235.4	230.5	229.0	228.4	227.5	229.9	231.1
57.5°	236.9	229.1	222.0	215.8	212.0	209.2	207.2	206.8	208.5	209.6	213.6
60°	220.3	211.3	204.9	200.1	195.6	193.8	193.2	192.6	193.8	197.1	202.2
62.5°	202.0	194.6	187.8	184.3	180.9	177.9	177.8	178.2	180.5	184.3	189.5
65°	175.2	168.8	164.3	160.1	157.4	155.6	156.2	157.4	160.1	165.2	171.0
67.5°	147.9	143.5	139.5	136.1	133.5	133.5	134.1	135.9	139.1	145.0	150.2
70°	130.3	125.5	122.2	120.6	118.6	117.4	119.1	122.2	124.8	130.3	134.8
72.5°	112.7	108.6	106.1	105.0	104.1	103.1	103.8	107.0	110.7	116.1	121.4
75°	86.7	85.2	83.3	82.1	81.3	81.8	82.5	85.5	88.5	94.2	100.2
77.5°	63.3	61.7	60.6	60.3	59.8	60.1	61.8	64.0	67.0	71.1	75.7
80°	47.8	47.2	46.7	46.3	46.3	46.7	49.0	50.5	53.2	57.2	60.8
82.5°	34.9	34.5	34.4	34.3	34.5	34.6	36.0	38.0	40.2	43.3	46.3
85°	18.4	17.7	18.7	18.9	18.4	19.3	19.9	21.1	21.9	23.4	25.0
87.5°	7.0	7.8	7.6	8.1	8.2	9.0	8.9	9.9	10.5	11.2	11.2
90°	5.0	6.2	6.8	8.1	8.6	9.9	10.5	11.2	11.8	12.4	13.6
92.5°	32.7	50.8	84.6	141.3	202.9	199.7	161.7	109.8	79.7	60.0	50.8
95°	46.4	74.3	140.6	276.9	447.8	548.8	537.0	445.4	351.2	275.0	223.0
97.5°	57.2	77.3	121.1	221.0	399.9	586.1	679.5	663.3	597.2	523.0	450.7
100°	65.7	84.2	120.2	200.7	356.8	559.4	714.2	761.8	731.5	667.7	603.3
102.5°	74.5	92.7	124.6	192.3	324.1	512.2	693.4	795.0	813.8	783.2	739.6
105°	89.2	106.5	133.8	188.9	292.4	449.1	626.9	775.5	860.4	887.6	880.8
107.5°	105.4	121.0	147.4	194.6	279.0	405.6	559.0	705.6	818.9	888.8	921.1
110°	115.8	131.9	157.3	200.1	275.0	385.2	520.3	654.1	771.7	859.1	911.7



TEST NUMBER: P333180-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	126.7	142.4	166.8	207.0	275.0	373.4	491.5	613.5	725.2	813.5	875.6
115°	143.1	158.6	181.5	217.4	276.9	360.5	460.2	562.4	658.5	743.3	810.8
117.5°	159.9	174.9	196.6	229.3	281.0	354.2	441.5	529.5	612.2	685.3	747.3
120°	170.3	185.8	207.5	237.3	284.9	351.2	431.1	511.6	586.0	654.1	708.6
122.5°	180.8	196.2	217.9	246.1	288.4	348.7	422.2	498.3	567.1	627.8	678.9
125°	195.1	211.2	231.6	258.3	294.2	345.6	410.0	478.8	542.0	595.9	640.5
127.5°	209.1	225.2	244.9	269.4	300.8	344.1	398.9	459.0	517.9	568.2	610.0
130°	218.0	234.2	253.3	276.9	304.8	343.2	391.5	446.6	501.1	549.4	589.7
132.5°	225.9	242.1	261.3	283.3	309.2	343.2	385.6	434.2	485.2	529.1	567.8
135°	236.0	252.7	272.0	292.4	315.3	343.2	378.4	418.1	460.8	500.5	535.8
137.5°	244.8	262.0	279.5	299.0	320.8	343.9	372.2	404.5	439.0	472.0	501.9
140°	250.3	267.0	284.9	303.5	323.3	344.4	369.2	397.0	426.1	454.6	480.6
142.5°	255.7	271.4	288.4	306.0	324.8	344.9	366.7	390.6	415.3	439.7	462.3
145°	263.9	278.1	294.2	309.7	326.5	344.4	363.0	382.1	401.4	420.6	437.3
147.5°	271.3	283.8	297.9	312.0	327.0	342.8	359.1	374.2	389.8	404.6	417.2
150°	276.2	286.8	300.4	313.4	327.0	341.3	356.2	369.8	383.4	395.1	406.3
152.5°	280.7	290.3	302.9	314.4	326.5	339.3	352.7	364.8	377.0	387.8	396.4
155°	286.1	294.9	305.4	315.3	325.2	335.7	346.9	357.4	367.3	376.0	382.8
157.5°	291.8	298.4	307.4	315.9	323.6	332.0	341.4	350.0	358.1	364.8	370.2
160°	294.9	300.4	308.5	315.9	322.1	329.5	337.0	345.0	351.2	357.4	361.7
162.5°	297.8	302.4	309.4	315.4	320.6	326.5	333.0	339.5	345.2	350.5	354.3
165°	301.0	304.8	309.7	314.7	318.4	322.1	327.0	332.0	336.4	340.1	343.2
167.5°	303.2	305.6	309.7	313.1	314.9	317.7	321.2	324.8	327.6	330.5	332.7
170°	304.8	306.6	309.7	312.2	313.4	315.3	317.7	320.8	322.7	324.6	325.8
172.5°	305.7	306.6	309.2	311.2	311.4	312.3	314.3	316.4	318.2	319.6	320.4
175°	306.6	306.6	308.5	309.7	309.1	309.1	309.7	311.6	311.6	312.8	312.8
177.5°	306.7	306.7	307.7	308.2	307.2	307.2	307.7	308.2	308.7	308.7	308.7
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333180-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	675.5	677.2	675.8	677.7	675.8	677.2	675.5	677.0	679.1	677.7	681.0
5°	622.7	619.9	621.7	620.5	621.7	619.9	622.7	624.2	627.7	628.9	631.4
7.5°	573.8	571.2	568.2	566.8	568.2	571.2	573.8	574.6	577.7	582.3	585.7
10°	543.2	539.9	539.6	537.5	539.6	539.9	543.2	546.5	548.6	554.3	558.3
12.5°	520.8	517.7	514.3	513.4	514.3	517.7	520.8	523.6	524.3	530.8	533.5
15°	489.0	486.6	484.5	486.3	484.5	486.6	489.0	490.8	494.2	498.7	501.7
17.5°	462.6	460.6	460.3	458.0	460.3	460.6	462.6	463.6	469.1	472.0	477.1
20°	446.0	444.5	445.0	441.2	445.0	444.5	446.0	448.7	454.1	455.6	461.1
22.5°	432.8	429.8	429.4	428.6	429.4	429.8	432.8	435.2	436.3	440.9	444.7
25°	412.0	410.5	409.0	410.5	409.0	410.5	412.0	414.7	415.9	419.2	422.8
27.5°	393.9	392.1	391.7	391.8	391.7	392.1	393.9	393.6	396.9	399.5	402.2
30°	382.8	379.8	380.1	379.8	380.1	379.8	382.8	382.8	384.6	387.0	389.4
32.5°	370.7	368.7	368.3	367.7	368.3	368.7	370.7	370.3	372.6	375.4	378.1
35°	353.0	353.0	351.5	351.5	351.5	353.0	353.0	353.9	356.3	356.3	359.3
37.5°	336.3	336.0	335.1	335.3	335.1	336.0	336.3	337.1	337.9	339.1	341.1
40°	323.8	323.5	322.6	320.8	322.6	323.5	323.8	325.0	325.6	327.1	328.3
42.5°	311.8	310.8	310.3	309.7	310.3	310.8	311.8	312.5	312.8	314.8	317.3
45°	292.8	292.8	292.2	291.9	292.2	292.8	292.8	292.8	293.1	295.5	296.8
47.5°	274.4	275.0	276.1	275.9	276.1	275.0	274.4	273.9	274.0	275.2	276.6
50°	263.3	263.6	264.5	264.8	264.5	263.6	263.3	262.1	261.5	261.5	262.4
52.5°	251.0	252.8	253.9	253.7	253.9	252.8	251.0	250.1	249.0	247.6	248.9
55°	233.9	235.9	238.1	238.4	238.1	235.9	233.9	231.1	229.9	227.5	228.4
57.5°	216.8	219.8	222.0	222.7	222.0	219.8	216.8	213.6	209.6	208.5	206.8
60°	205.3	209.1	211.8	213.1	211.8	209.1	205.3	202.2	197.1	193.8	192.6
62.5°	194.2	198.5	201.3	201.5	201.3	198.5	194.2	189.5	184.3	180.5	178.2
65°	176.0	180.5	183.0	184.7	183.0	180.5	176.0	171.0	165.2	160.1	157.4
67.5°	156.5	161.1	163.7	165.2	163.7	161.1	156.5	150.2	145.0	139.1	135.9
70°	142.4	146.9	150.4	151.7	150.4	146.9	142.4	134.8	130.3	124.8	122.2
72.5°	128.4	132.4	135.3	136.7	135.3	132.4	128.4	121.4	116.1	110.7	107.0
75°	104.1	109.6	112.3	113.8	112.3	109.6	104.1	100.2	94.2	88.5	85.5
77.5°	80.3	85.2	86.8	87.6	86.8	85.2	80.3	75.7	71.1	67.0	64.0
80°	64.4	67.4	69.6	69.8	69.6	67.4	64.4	60.8	57.2	53.2	50.5
82.5°	49.5	52.0	52.7	53.5	52.7	52.0	49.5	46.3	43.3	40.2	38.0
85°	27.1	28.3	28.6	28.3	28.6	28.3	27.1	25.0	23.4	21.9	21.1
87.5°	11.6	11.4	11.5	12.0	11.5	11.4	11.6	11.2	11.2	10.5	9.9
90°	13.6	13.6	14.3	14.3	14.3	13.6	13.6	13.6	12.4	11.8	11.2
92.5°	42.9	41.4	40.5	39.5	40.5	41.4	42.9	50.8	60.0	79.7	109.8
95°	179.0	160.4	155.5	145.5	155.5	160.4	179.0	223.0	275.0	351.2	445.4
97.5°	412.4	377.7	359.7	351.8	359.7	377.7	412.4	450.7	523.0	597.2	663.3
100°	560.5	515.9	493.1	483.2	493.1	515.9	560.5	603.3	667.7	731.5	761.8
102.5°	693.9	662.1	637.2	629.8	637.2	662.1	693.9	739.6	783.2	813.8	795.0
105°	860.9	840.5	828.1	820.7	828.1	840.5	860.9	880.8	887.6	860.4	775.5
107.5°	931.2	931.1	927.0	922.0	927.0	931.1	931.2	921.1	888.8	818.9	705.6
110°	939.6	951.4	955.8	955.8	955.8	951.4	939.6	911.7	859.1	771.7	654.1



TEST NUMBER: P333180-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	916.3	936.5	947.3	951.8	947.3	936.5	916.3	875.6	813.5	725.2	613.5
115°	859.1	888.8	906.2	914.3	906.2	888.8	859.1	810.8	743.3	658.5	562.4
117.5°	795.6	826.2	843.5	848.4	843.5	826.2	795.6	747.3	685.3	612.2	529.5
120°	754.4	784.2	800.9	805.8	800.9	784.2	754.4	708.6	654.1	586.0	511.6
122.5°	719.8	747.0	763.7	768.2	763.7	747.0	719.8	678.9	627.8	567.1	498.3
125°	675.2	700.5	714.2	720.3	714.2	700.5	675.2	640.5	595.9	542.0	478.8
127.5°	641.4	663.8	676.8	679.5	676.8	663.8	641.4	610.0	568.2	517.9	459.0
130°	620.7	641.1	653.5	657.2	653.5	641.1	620.7	589.7	549.4	501.1	446.6
132.5°	598.8	619.2	630.7	634.9	630.7	619.2	598.8	567.8	529.1	485.2	434.2
135°	563.0	583.4	594.6	598.3	594.6	583.4	563.0	535.8	500.5	460.8	418.1
137.5°	526.4	544.9	555.2	559.4	555.2	544.9	526.4	501.9	472.0	439.0	404.5
140°	503.6	519.7	528.9	532.0	528.9	519.7	503.6	480.6	454.6	426.1	397.0
142.5°	481.8	495.4	504.2	506.8	504.2	495.4	481.8	462.3	439.7	415.3	390.6
145°	452.2	462.7	469.5	472.0	469.5	462.7	452.2	437.3	420.6	401.4	382.1
147.5°	429.0	437.4	441.4	442.5	441.4	437.4	429.0	417.2	404.6	389.8	374.2
150°	415.7	423.0	425.6	426.1	425.6	423.0	415.7	406.3	395.1	383.4	369.8
152.5°	404.3	410.2	412.6	413.3	412.6	410.2	404.3	396.4	387.8	377.0	364.8
155°	389.0	393.3	395.1	395.8	395.1	393.3	389.0	382.8	376.0	367.3	357.4
157.5°	375.0	378.6	380.3	380.2	380.3	378.6	375.0	370.2	364.8	358.1	350.0
160°	366.1	369.2	370.4	369.8	370.4	369.2	366.1	361.7	357.4	351.2	345.0
162.5°	357.7	360.2	360.5	360.4	360.5	360.2	357.7	354.3	350.5	345.2	339.5
165°	345.6	346.9	346.9	346.9	346.9	346.9	345.6	343.2	340.1	336.4	332.0
167.5°	334.0	335.1	334.6	334.5	334.6	335.1	334.0	332.7	330.5	327.6	324.8
170°	327.0	327.6	327.6	327.0	327.6	327.6	327.0	325.8	324.6	322.7	320.8
172.5°	320.6	321.7	320.8	320.1	320.8	321.7	320.6	320.4	319.6	318.2	316.4
175°	312.8	313.4	312.2	311.6	312.2	313.4	312.8	312.8	312.8	311.6	311.6
177.5°	308.2	308.7	307.2	307.2	307.2	308.7	308.2	308.7	308.7	308.7	308.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333180-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	677.9	680.8	684.4	687.1	691.9	694.0	696.7	698.9	702.7	706.3	710.7
5°	632.2	637.4	644.3	651.8	660.5	666.5	675.0	680.1	690.3	699.7	708.7
7.5°	590.8	597.1	606.9	616.6	628.0	638.3	648.9	660.5	673.6	689.0	701.8
10°	562.4	570.8	581.4	593.4	607.3	619.3	633.4	646.1	662.0	680.1	697.0
12.5°	539.8	547.0	558.8	570.3	585.1	599.8	614.4	631.2	649.7	669.8	690.9
15°	508.6	514.6	524.2	540.2	555.2	569.7	591.6	607.3	630.7	653.0	678.6
17.5°	481.9	489.4	497.5	511.2	526.7	544.8	564.4	584.1	606.7	634.9	663.8
20°	465.6	471.6	480.9	491.4	507.9	526.0	544.7	564.5	592.2	621.4	652.4
22.5°	447.7	454.2	464.8	476.3	490.1	507.5	528.1	549.9	578.8	607.4	641.1
25°	426.7	431.3	440.8	451.1	464.9	479.7	501.1	525.1	553.7	586.5	620.8
27.5°	406.9	410.9	419.7	428.6	441.1	458.6	477.7	502.0	528.9	562.2	600.2
30°	392.7	397.0	404.7	414.4	426.4	441.8	461.4	484.2	513.1	545.6	585.3
32.5°	380.4	384.2	390.1	399.7	411.5	426.4	444.5	467.9	496.7	529.7	568.7
35°	361.4	365.6	370.1	377.6	387.9	402.3	422.2	444.2	471.8	503.7	539.6
37.5°	342.5	347.1	351.1	357.8	367.2	379.9	397.1	420.0	445.0	475.8	510.2
40°	330.7	334.3	337.6	344.8	354.2	366.2	382.1	402.7	429.1	457.7	486.3
42.5°	318.9	322.3	325.1	331.4	340.0	351.6	366.8	386.7	411.3	438.0	463.2
45°	300.3	302.5	305.8	311.2	318.1	328.6	343.3	361.2	381.9	407.2	426.1
47.5°	280.2	283.5	286.2	291.0	296.7	307.0	321.2	336.3	355.1	373.9	387.2
50°	264.8	268.2	272.0	276.6	281.9	291.6	304.5	319.9	335.8	350.3	361.7
52.5°	250.4	253.4	257.6	261.9	268.5	276.7	287.7	301.3	317.0	327.4	336.9
55°	229.0	230.5	235.4	239.6	245.9	251.9	263.0	275.0	284.7	292.5	300.3
57.5°	207.2	209.2	212.0	215.8	222.0	229.1	236.9	247.6	253.2	257.2	263.3
60°	193.2	193.8	195.6	200.1	204.9	211.3	220.3	227.8	232.0	235.4	240.4
62.5°	177.8	177.9	180.9	184.3	187.8	194.6	202.0	208.0	211.6	213.2	218.1
65°	156.2	155.6	157.4	160.1	164.3	168.8	175.2	180.5	180.2	182.0	185.1
67.5°	134.1	133.5	133.5	136.1	139.5	143.5	147.9	151.0	151.1	153.4	155.0
70°	119.1	117.4	118.6	120.6	122.2	125.5	130.3	131.5	131.8	133.0	134.5
72.5°	103.8	103.1	104.1	105.0	106.1	108.6	112.7	113.4	113.5	114.2	116.7
75°	82.5	81.8	81.3	82.1	83.3	85.2	86.7	87.9	87.5	87.9	89.7
77.5°	61.8	60.1	59.8	60.3	60.6	61.7	63.3	63.1	63.5	63.4	65.4
80°	49.0	46.7	46.3	46.3	46.7	47.2	47.8	48.5	47.5	48.5	49.0
82.5°	36.0	34.6	34.5	34.3	34.4	34.5	34.9	35.2	35.0	35.4	35.8
85°	19.9	19.3	18.4	18.9	18.7	17.7	18.4	17.4	17.2	17.4	17.7
87.5°	8.9	9.0	8.2	8.1	7.6	7.8	7.0	6.5	6.0	6.0	6.7
90°	10.5	9.9	8.6	8.1	6.8	6.2	5.0	3.7	2.5	1.3	0.6
92.5°	161.7	199.7	202.9	141.3	84.6	50.8	32.7	22.0	14.3	9.2	7.5
95°	537.0	548.8	447.8	276.9	140.6	74.3	46.4	32.8	26.0	21.1	20.4
97.5°	679.5	586.1	399.9	221.0	121.1	77.3	57.2	45.0	38.2	34.7	33.9
100°	714.2	559.4	356.8	200.7	120.2	84.2	65.7	53.9	47.1	44.6	43.3
102.5°	693.4	512.2	324.1	192.3	124.6	92.7	74.5	63.8	56.5	54.5	53.8
105°	626.9	449.1	292.4	188.9	133.8	106.5	89.2	79.3	73.1	70.0	70.0
107.5°	559.0	405.6	279.0	194.6	147.4	121.0	105.4	95.1	90.1	87.1	85.9
110°	520.3	385.2	275.0	200.1	157.3	131.9	115.8	106.5	100.9	98.5	97.3



TEST NUMBER: P333180-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	491.5	373.4	275.0	207.0	166.8	142.4	126.7	117.4	111.9	109.9	108.6
115°	460.2	360.5	276.9	217.4	181.5	158.6	143.1	133.8	128.3	126.4	125.1
117.5°	441.5	354.2	281.0	229.3	196.6	174.9	159.9	149.4	143.9	141.9	140.0
120°	431.1	351.2	284.9	237.3	207.5	185.8	170.3	159.8	154.2	151.8	149.9
122.5°	422.2	348.7	288.4	246.1	217.9	196.2	180.8	169.2	163.7	161.7	160.3
125°	410.0	345.6	294.2	258.3	231.6	211.2	195.1	183.3	177.8	174.7	173.4
127.5°	398.9	344.1	300.8	269.4	244.9	225.2	209.1	196.6	189.6	185.6	183.7
130°	391.5	343.2	304.8	276.9	253.3	234.2	218.0	205.0	196.9	192.0	190.1
132.5°	385.6	343.2	309.2	283.3	261.3	242.1	225.9	212.5	203.4	197.5	195.1
135°	378.4	343.2	315.3	292.4	272.0	252.7	236.0	223.0	213.1	205.7	203.2
137.5°	372.2	343.9	320.8	299.0	279.5	262.0	244.8	232.0	222.1	215.2	213.3
140°	369.2	344.4	323.3	303.5	284.9	267.0	250.3	238.4	228.5	221.1	219.3
142.5°	366.7	344.9	324.8	306.0	288.4	271.4	255.7	244.4	234.5	227.6	226.2
145°	363.0	344.4	326.5	309.7	294.2	278.1	263.9	252.7	244.1	237.8	236.6
147.5°	359.1	342.8	327.0	312.0	297.9	283.8	271.3	261.7	253.6	248.3	247.5
150°	356.2	341.3	327.0	313.4	300.4	286.8	276.2	267.6	259.5	255.2	254.0
152.5°	352.7	339.3	326.5	314.4	302.9	290.3	280.7	272.5	265.5	261.7	260.9
155°	346.9	335.7	325.2	315.3	305.4	294.9	286.1	280.0	273.8	270.1	270.1
157.5°	341.4	332.0	323.6	315.9	307.4	298.4	291.8	286.4	281.1	278.1	278.2
160°	337.0	329.5	322.1	315.9	308.5	300.4	294.9	289.9	285.6	283.0	283.7
162.5°	333.0	326.5	320.6	315.4	309.4	302.4	297.8	293.8	290.0	287.6	288.1
165°	327.0	322.1	318.4	314.7	309.7	304.8	301.0	298.6	295.5	293.6	294.9
167.5°	321.2	317.7	314.9	313.1	309.7	305.6	303.2	301.5	299.8	298.7	299.3
170°	317.7	315.3	313.4	312.2	309.7	306.6	304.8	303.5	302.3	301.7	302.3
172.5°	314.3	312.3	311.4	311.2	309.2	306.6	305.7	305.0	303.7	303.2	304.3
175°	309.7	309.1	309.1	309.7	308.5	306.6	306.6	306.6	306.0	305.4	306.6
177.5°	307.7	307.2	307.2	308.2	307.7	306.7	306.7	307.2	306.7	306.7	307.7
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333180-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	712.9	716.2	718.4	722.5	725.9	727.8	729.4	730.9	732.6	734.0	738.2
5°	717.4	725.2	731.9	742.1	751.5	758.7	766.4	773.4	779.1	787.3	793.5
7.5°	715.4	729.4	743.9	759.7	775.9	791.0	804.8	817.8	829.5	843.7	856.1
10°	713.5	732.5	751.1	772.5	794.5	813.1	830.6	848.3	861.3	879.3	894.7
12.5°	712.1	734.4	756.9	782.6	806.8	833.1	856.3	869.3	889.0	903.4	921.6
15°	706.0	735.5	766.4	795.4	829.7	854.1	874.5	899.8	918.1	936.5	956.3
17.5°	695.1	728.5	763.2	801.1	833.9	860.2	886.5	910.9	932.8	957.4	982.1
20°	690.1	723.4	763.2	802.0	834.2	861.6	888.7	915.4	939.5	971.1	999.7
22.5°	679.5	719.9	756.5	794.2	827.4	857.2	888.0	918.3	950.3	986.0	1021.8
25°	660.5	701.5	740.3	777.6	811.0	848.3	881.1	921.8	962.7	1010.0	1054.5
27.5°	641.0	680.1	715.7	751.7	790.7	832.9	875.4	921.5	975.2	1034.7	1097.6
30°	625.0	662.0	696.6	733.6	774.3	821.8	868.5	923.3	985.2	1052.3	1127.0
32.5°	606.5	640.6	674.3	713.4	757.7	807.9	862.2	922.3	996.8	1073.1	1149.9
35°	574.8	603.4	637.9	679.8	729.8	787.3	850.2	921.1	1006.6	1094.2	1158.9
37.5°	537.2	563.8	600.2	646.1	698.5	760.2	834.8	919.0	1009.8	1079.6	1100.5
40°	511.9	536.5	574.5	622.0	675.6	740.9	822.8	911.8	999.7	1044.3	1027.1
42.5°	484.9	510.8	547.8	594.8	652.4	723.6	807.6	896.7	970.3	987.1	927.9
45°	442.4	469.1	505.6	553.1	615.1	692.1	779.7	860.6	903.1	872.7	780.9
47.5°	402.8	427.9	461.7	510.7	574.7	654.4	738.7	803.3	806.7	734.1	636.1
50°	375.9	399.0	433.0	482.1	545.6	626.2	702.3	753.2	730.4	648.2	554.1
52.5°	349.4	372.1	405.6	454.2	517.0	590.8	661.7	697.4	654.3	570.0	489.5
55°	311.2	331.1	363.8	408.7	468.3	536.9	597.1	609.3	553.4	470.3	405.0
57.5°	273.9	292.4	322.3	363.5	418.0	478.8	525.9	523.2	464.1	392.8	341.0
60°	248.6	266.6	293.1	333.4	383.1	435.5	475.8	466.1	407.5	346.1	302.5
62.5°	225.9	242.1	267.1	302.4	347.7	396.2	429.3	415.1	357.6	304.0	269.4
65°	192.6	206.1	227.5	257.6	295.2	335.3	360.8	342.5	293.4	251.6	223.9
67.5°	160.7	171.6	189.5	213.6	245.7	277.7	293.3	274.9	235.6	205.1	184.6
70°	140.5	150.2	164.0	185.4	213.3	240.4	252.2	235.6	201.9	175.7	161.0
72.5°	120.3	128.3	140.5	159.6	182.0	205.6	215.8	200.0	172.3	150.2	136.4
75°	93.0	98.4	106.9	120.1	137.8	156.5	162.2	148.4	130.6	114.1	105.0
77.5°	66.5	71.1	77.6	85.9	98.5	110.4	115.3	107.3	93.6	83.1	75.7
80°	51.2	53.6	59.0	65.9	75.8	83.3	86.7	81.5	71.9	64.1	58.4
82.5°	36.4	38.9	42.1	47.8	54.2	59.3	62.8	59.4	52.4	46.3	42.9
85°	17.7	19.3	21.1	23.4	28.3	31.3	31.0	28.9	26.1	23.8	21.9
87.5°	6.5	7.0	8.0	9.4	10.4	11.5	12.2	11.9	11.2	10.5	9.9
90°	1.3	2.5	3.7	5.0	6.2	6.8	8.1	8.6	9.9	10.5	11.2
92.5°	9.2	14.3	22.0	32.7	50.8	84.6	141.3	202.9	199.7	161.7	109.8
95°	21.1	26.0	32.8	46.4	74.3	140.6	276.9	447.8	548.8	537.0	445.4
97.5°	34.7	38.2	45.0	57.2	77.3	121.1	221.0	399.9	586.1	679.5	663.3
100°	44.6	47.1	53.9	65.7	84.2	120.2	200.7	356.8	559.4	714.2	761.8
102.5°	54.5	56.5	63.8	74.5	92.7	124.6	192.3	324.1	512.2	693.4	795.0
105°	70.0	73.1	79.3	89.2	106.5	133.8	188.9	292.4	449.1	626.9	775.5
107.5°	87.1	90.1	95.1	105.4	121.0	147.4	194.6	279.0	405.6	559.0	705.6
110°	98.5	100.9	106.5	115.8	131.9	157.3	200.1	275.0	385.2	520.3	654.1



TEST NUMBER: P333180-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	109.9	111.9	117.4	126.7	142.4	166.8	207.0	275.0	373.4	491.5	613.5
115°	126.4	128.3	133.8	143.1	158.6	181.5	217.4	276.9	360.5	460.2	562.4
117.5°	141.9	143.9	149.4	159.9	174.9	196.6	229.3	281.0	354.2	441.5	529.5
120°	151.8	154.2	159.8	170.3	185.8	207.5	237.3	284.9	351.2	431.1	511.6
122.5°	161.7	163.7	169.2	180.8	196.2	217.9	246.1	288.4	348.7	422.2	498.3
125°	174.7	177.8	183.3	195.1	211.2	231.6	258.3	294.2	345.6	410.0	478.8
127.5°	185.6	189.6	196.6	209.1	225.2	244.9	269.4	300.8	344.1	398.9	459.0
130°	192.0	196.9	205.0	218.0	234.2	253.3	276.9	304.8	343.2	391.5	446.6
132.5°	197.5	203.4	212.5	225.9	242.1	261.3	283.3	309.2	343.2	385.6	434.2
135°	205.7	213.1	223.0	236.0	252.7	272.0	292.4	315.3	343.2	378.4	418.1
137.5°	215.2	222.1	232.0	244.8	262.0	279.5	299.0	320.8	343.9	372.2	404.5
140°	221.1	228.5	238.4	250.3	267.0	284.9	303.5	323.3	344.4	369.2	397.0
142.5°	227.6	234.5	244.4	255.7	271.4	288.4	306.0	324.8	344.9	366.7	390.6
145°	237.8	244.1	252.7	263.9	278.1	294.2	309.7	326.5	344.4	363.0	382.1
147.5°	248.3	253.6	261.7	271.3	283.8	297.9	312.0	327.0	342.8	359.1	374.2
150°	255.2	259.5	267.6	276.2	286.8	300.4	313.4	327.0	341.3	356.2	369.8
152.5°	261.7	265.5	272.5	280.7	290.3	302.9	314.4	326.5	339.3	352.7	364.8
155°	270.1	273.8	280.0	286.1	294.9	305.4	315.3	325.2	335.7	346.9	357.4
157.5°	278.1	281.1	286.4	291.8	298.4	307.4	315.9	323.6	332.0	341.4	350.0
160°	283.0	285.6	289.9	294.9	300.4	308.5	315.9	322.1	329.5	337.0	345.0
162.5°	287.6	290.0	293.8	297.8	302.4	309.4	315.4	320.6	326.5	333.0	339.5
165°	293.6	295.5	298.6	301.0	304.8	309.7	314.7	318.4	322.1	327.0	332.0
167.5°	298.7	299.8	301.5	303.2	305.6	309.7	313.1	314.9	317.7	321.2	324.8
170°	301.7	302.3	303.5	304.8	306.6	309.7	312.2	313.4	315.3	317.7	320.8
172.5°	303.2	303.7	305.0	305.7	306.6	309.2	311.2	311.4	312.3	314.3	316.4
175°	305.4	306.0	306.6	306.6	306.6	308.5	309.7	309.1	309.1	309.7	311.6
177.5°	306.7	306.7	307.2	306.7	306.7	307.7	308.2	307.2	307.2	307.7	308.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	741.5	743.4	747.5	746.1	748.0	748.9	750.0
5°	801.4	811.0	815.2	814.6	820.9	819.4	817.9
7.5°	869.0	879.2	884.8	891.8	896.0	896.2	899.8
10°	907.3	920.5	926.0	933.5	938.3	941.0	940.7
12.5°	936.7	947.1	959.2	962.9	969.4	972.8	971.5
15°	972.0	988.6	1001.2	1007.5	1015.7	1018.0	1021.4
17.5°	1003.5	1025.7	1040.5	1060.1	1067.5	1072.1	1069.4
20°	1027.4	1056.5	1071.3	1094.8	1107.7	1114.7	1112.2
22.5°	1055.6	1087.1	1114.4	1134.7	1154.4	1163.8	1165.7
25°	1103.8	1147.2	1187.2	1213.9	1238.3	1244.0	1256.7
27.5°	1157.8	1208.9	1251.6	1279.8	1296.8	1303.1	1307.1
30°	1191.7	1242.5	1274.8	1292.8	1298.2	1297.6	1297.0
32.5°	1208.3	1240.2	1246.3	1241.3	1228.9	1218.4	1207.4
35°	1184.8	1161.0	1125.5	1079.7	1046.1	1012.0	1008.7
37.5°	1065.6	989.5	930.4	864.4	826.3	802.8	786.5
40°	953.3	867.0	795.4	739.7	700.8	685.6	670.5
42.5°	831.6	749.0	685.6	639.1	609.9	592.9	580.9
45°	675.6	602.8	553.1	519.4	496.2	483.0	475.5
47.5°	553.6	499.7	457.6	433.2	417.2	406.9	406.9
50°	488.1	436.7	408.7	389.4	375.6	367.4	368.9
52.5°	430.1	391.7	367.7	351.6	341.4	336.4	336.2
55°	359.7	331.9	316.3	304.5	297.6	291.9	293.1
57.5°	307.6	284.2	273.8	264.0	259.2	256.9	253.7
60°	275.4	257.3	248.3	240.4	235.6	233.9	230.5
62.5°	246.7	232.5	223.7	217.3	213.0	212.4	209.8
65°	207.3	196.5	188.7	185.7	181.2	180.0	180.0
67.5°	171.0	163.2	157.1	154.3	152.3	152.7	151.1
70°	148.1	141.7	137.8	134.8	133.3	133.6	132.4
72.5°	129.5	122.5	119.1	117.2	115.3	116.1	115.6
75°	98.1	94.5	92.7	90.9	89.7	89.0	88.5
77.5°	72.0	68.8	67.5	66.5	66.6	65.2	66.3
80°	55.7	53.0	52.0	50.5	50.2	50.2	50.0
82.5°	40.7	39.2	38.6	37.3	36.8	37.2	36.4
85°	21.1	19.9	19.6	19.6	18.9	18.4	19.9
87.5°	10.1	9.2	9.4	9.2	9.2	9.1	8.6
90°	11.8	12.4	13.6	13.6	13.6	14.3	14.3
92.5°	79.7	60.0	50.8	42.9	41.4	40.5	39.5
95°	351.2	275.0	223.0	179.0	160.4	155.5	145.5
97.5°	597.2	523.0	450.7	412.4	377.7	359.7	351.8
100°	731.5	667.7	603.3	560.5	515.9	493.1	483.2
102.5°	813.8	783.2	739.6	693.9	662.1	637.2	629.8
105°	860.4	887.6	880.8	860.9	840.5	828.1	820.7
107.5°	818.9	888.8	921.1	931.2	931.1	927.0	922.0
110°	771.7	859.1	911.7	939.6	951.4	955.8	955.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	725.2	813.5	875.6	916.3	936.5	947.3	951.8
115°	658.5	743.3	810.8	859.1	888.8	906.2	914.3
117.5°	612.2	685.3	747.3	795.6	826.2	843.5	848.4
120°	586.0	654.1	708.6	754.4	784.2	800.9	805.8
122.5°	567.1	627.8	678.9	719.8	747.0	763.7	768.2
125°	542.0	595.9	640.5	675.2	700.5	714.2	720.3
127.5°	517.9	568.2	610.0	641.4	663.8	676.8	679.5
130°	501.1	549.4	589.7	620.7	641.1	653.5	657.2
132.5°	485.2	529.1	567.8	598.8	619.2	630.7	634.9
135°	460.8	500.5	535.8	563.0	583.4	594.6	598.3
137.5°	439.0	472.0	501.9	526.4	544.9	555.2	559.4
140°	426.1	454.6	480.6	503.6	519.7	528.9	532.0
142.5°	415.3	439.7	462.3	481.8	495.4	504.2	506.8
145°	401.4	420.6	437.3	452.2	462.7	469.5	472.0
147.5°	389.8	404.6	417.2	429.0	437.4	441.4	442.5
150°	383.4	395.1	406.3	415.7	423.0	425.6	426.1
152.5°	377.0	387.8	396.4	404.3	410.2	412.6	413.3
155°	367.3	376.0	382.8	389.0	393.3	395.1	395.8
157.5°	358.1	364.8	370.2	375.0	378.6	380.3	380.2
160°	351.2	357.4	361.7	366.1	369.2	370.4	369.8
162.5°	345.2	350.5	354.3	357.7	360.2	360.5	360.4
165°	336.4	340.1	343.2	345.6	346.9	346.9	346.9
167.5°	327.6	330.5	332.7	334.0	335.1	334.6	334.5
170°	322.7	324.6	325.8	327.0	327.6	327.6	327.0
172.5°	318.2	319.6	320.4	320.6	321.7	320.8	320.1
175°	311.6	312.8	312.8	312.8	313.4	312.2	311.6
177.5°	308.7	308.7	308.7	308.2	308.7	307.2	307.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2

(END OF REPORT)