

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: P333133

Luminaire Tested: **S125DIP-S375D810U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333133
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D810U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4778.0 lumens
Efficiency: N/A
Efficacy: 153.1 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: Semi-Indirect

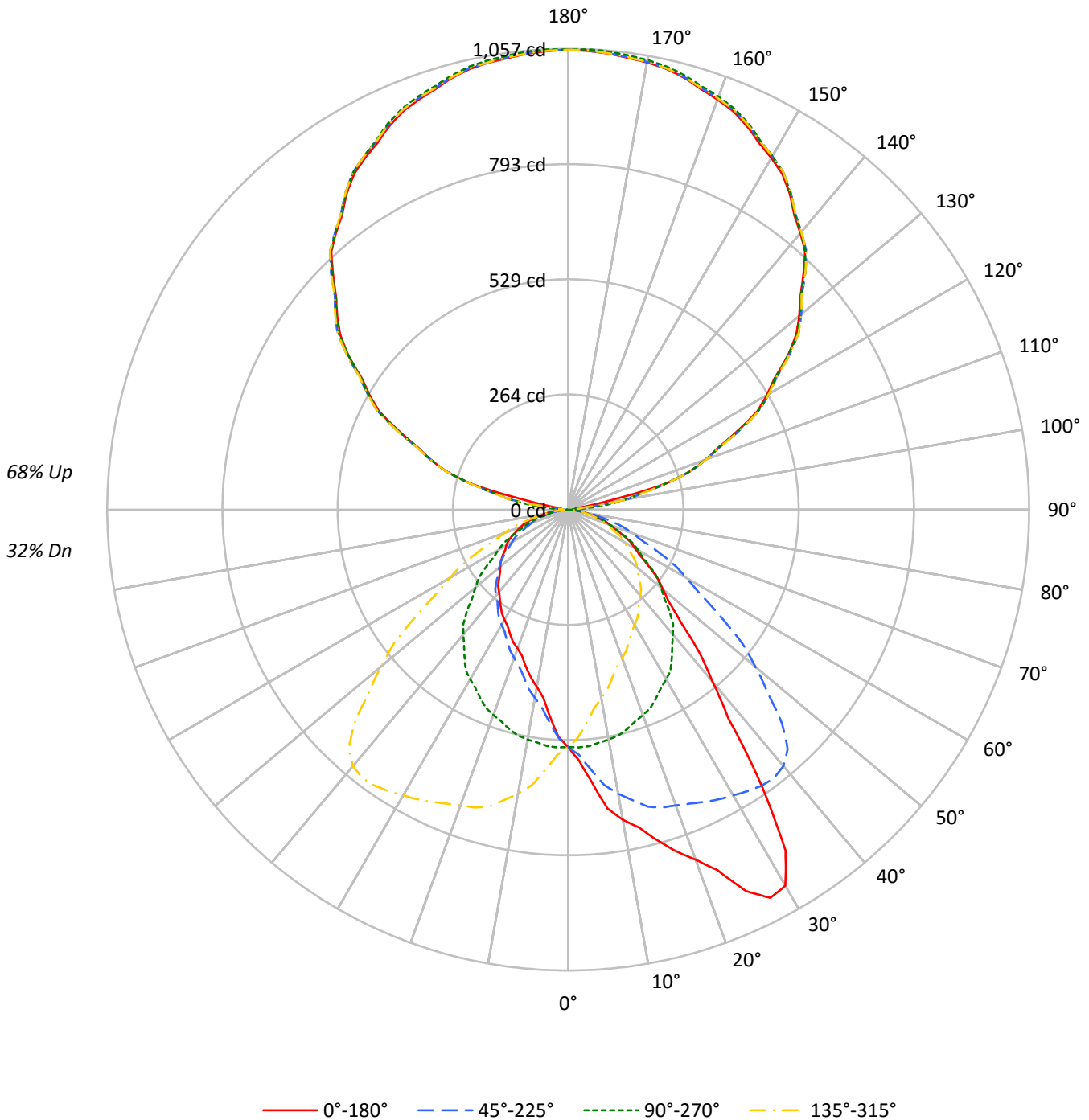
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	73	73	73	56	56	56	40	40	40	32
1	94	90	86	83	84	81	78	75	64	62	60	49	48	47	35	35	34	27
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29	23
3	78	69	62	56	70	62	56	52	50	46	42	38	36	33	28	26	25	20
4	71	61	53	48	64	55	49	44	44	40	36	34	31	28	25	23	21	17
5	66	54	47	41	59	49	43	37	40	35	31	31	27	25	22	20	18	15
6	60	49	41	35	54	44	37	32	36	31	27	28	24	22	20	18	16	13
7	56	44	36	31	50	40	33	28	32	27	24	25	22	19	19	16	14	12
8	52	40	32	27	46	36	30	25	29	24	21	23	19	17	17	15	13	10
9	48	36	29	24	43	33	26	22	27	22	19	21	18	15	16	13	12	9
10	45	33	26	21	40	30	24	20	25	20	17	19	16	14	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3516	3516	3516	3516
5°	4071	3528	3089	3528
10°	4737	3510	2706	3510
15°	5243	3484	2497	3484
20°	5869	3443	2328	3443
25°	6876	3397	2246	3397
30°	7427	3351	2175	3351
35°	6106	3266	2128	3266
40°	4340	3148	2076	3148
45°	3335	2988	2047	2988
50°	2846	2790	2043	2790
55°	2535	2597	2061	2597
60°	2286	2384	2113	2384
65°	2112	2172	2168	2172
70°	1920	1951	2200	1951
75°	1694	1719	2178	1719
80°	1428	1402	1993	1402
85°	1134	1008	1608	1008



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	1.1
10°-20°	156.0	3.3
20°-30°	253.4	5.3
30°-40°	309.1	6.5
40°-50°	281.2	5.9
50°-60°	224.0	4.7
60°-70°	156.0	3.3
70°-80°	83.2	1.7
80°-90°	23.2	0.5
90°-100°	38.3	0.8
100°-110°	236.3	4.9
110°-120°	428.5	9.0
120°-130°	550.0	11.5
130°-140°	591.5	12.4
140°-150°	555.2	11.6
150°-160°	449.1	9.4
160°-170°	290.5	6.1
170°-180°	100.2	2.1
0°-30°	461.8	9.7
0°-40°	770.9	16.1
0°-60°	1276.0	26.7
0°-90°	1538.4	32.2
90°-120°	703.1	14.7
90°-150°	2399.9	50.2
90°-180°	3240.0	67.8
0°-180°	4778.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	544	544	544	544	544	
5°	628	544	476	544	628	63
15°	784	521	373	521	784	224
25°	965	477	315	477	965	441
35°	774	414	270	414	774	474
45°	365	327	224	327	365	292
55°	225	231	183	231	225	203
65°	138	142	142	142	138	137
75°	68	69	87	69	68	73
85°	15	14	22	14	15	18
90°	19	1	19	1	19	9
95°	16	45	16	45	16	14
105°	232	230	232	230	232	210
115°	429	432	429	432	429	425
125°	614	614	614	614	614	546
135°	762	766	762	766	762	588
145°	885	888	885	888	885	553
155°	970	978	970	978	970	447
165°	1026	1032	1026	1032	1026	290
175°	1050	1055	1050	1055	1050	100
180°	1055	1055	1055	1055	1055	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	575.8	575.1	574.3	572.9	574.0	570.8	569.4	566.8	563.6	562.5	561.2
5°	628.0	629.2	630.4	625.5	626.0	622.7	615.3	609.3	604.5	598.2	593.8
7.5°	690.9	688.2	687.9	684.8	679.4	675.0	667.3	657.4	647.8	636.9	627.9
10°	722.3	722.6	720.5	716.8	711.0	706.8	696.7	687.0	675.2	661.3	651.4
12.5°	746.0	747.0	744.3	739.3	736.5	727.2	719.2	707.7	693.7	682.6	667.5
15°	784.2	781.7	779.9	773.6	768.8	759.1	746.4	734.3	719.1	705.0	690.9
17.5°	821.1	823.2	819.7	814.0	798.9	787.6	770.6	754.1	735.1	716.2	699.4
20°	854.0	855.9	850.6	840.6	822.6	811.3	788.9	767.6	745.7	721.4	702.9
22.5°	895.1	893.6	886.4	871.3	855.7	834.8	810.5	784.6	757.1	729.7	705.1
25°	964.9	955.2	950.8	932.1	911.6	880.8	847.6	809.7	775.5	739.2	707.8
27.5°	1003.7	1000.6	995.7	982.7	961.1	928.2	889.0	842.8	794.6	748.8	707.6
30°	995.9	996.4	996.8	992.7	978.8	954.1	915.0	865.4	808.0	756.5	708.9
32.5°	927.1	935.5	943.6	953.1	957.0	952.2	927.8	882.9	823.9	765.4	708.2
35°	774.5	777.1	803.2	829.1	864.2	891.5	909.7	889.8	840.2	772.9	707.3
37.5°	603.9	616.4	634.5	663.7	714.4	759.8	818.2	845.0	829.0	775.4	705.7
40°	514.8	526.4	538.2	568.0	610.7	665.7	732.0	788.6	801.8	767.6	700.1
42.5°	446.1	455.2	468.3	490.7	526.4	575.1	638.5	712.5	758.0	745.1	688.5
45°	365.1	370.9	381.0	398.8	424.7	462.8	518.7	599.6	670.1	693.4	660.9
47.5°	312.5	312.5	320.4	332.6	351.3	383.7	425.1	488.4	563.7	619.4	616.8
50°	283.3	282.1	288.4	299.0	313.8	335.3	374.8	425.4	497.7	560.8	578.4
52.5°	258.1	258.3	262.1	270.0	282.4	300.7	330.2	375.9	437.6	502.4	535.5
55°	225.1	224.1	228.5	233.8	242.9	254.9	276.1	311.0	361.2	424.9	467.9
57.5°	194.7	197.3	199.0	202.7	210.2	218.3	236.2	261.8	301.6	356.3	401.7
60°	177.0	179.5	180.9	184.6	190.6	197.6	211.4	232.2	265.7	312.9	357.9
62.5°	161.1	163.1	163.6	166.9	171.8	178.5	189.4	206.9	233.4	274.6	318.7
65°	138.2	138.2	139.1	142.6	144.9	150.9	159.2	171.9	193.2	225.3	263.0
67.5°	116.1	117.2	117.0	118.5	120.6	125.3	131.2	141.7	157.5	180.9	211.1
70°	101.7	102.6	102.4	103.5	105.8	108.8	113.7	123.6	134.9	155.0	180.9
72.5°	88.7	89.1	88.5	90.0	91.4	94.0	99.5	104.8	115.3	132.3	153.6
75°	67.9	68.4	68.9	69.8	71.2	72.6	75.3	80.6	87.6	100.3	113.9
77.5°	50.9	50.0	51.2	51.0	51.8	52.9	55.3	58.1	63.8	71.9	82.4
80°	38.4	38.6	38.6	38.8	40.0	40.7	42.7	44.8	49.2	55.2	62.6
82.5°	28.0	28.6	28.2	28.7	29.6	30.1	31.3	33.0	35.5	40.3	45.6
85°	15.3	14.1	14.6	15.0	15.0	15.3	16.2	16.9	18.3	20.1	22.2
87.5°	8.2	8.5	8.5	8.4	8.5	8.4	8.9	8.8	9.1	9.5	10.0
90°	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.3	13.4	12.5	11.3
92.5°	17.5	17.3	17.0	16.8	16.5	16.0	15.1	14.3	13.4	12.5	11.4
95°	16.4	16.4	16.4	16.4	16.4	16.0	15.1	14.3	13.4	12.5	19.1
97.5°	16.4	16.4	16.4	16.4	16.4	18.9	23.8	28.7	33.6	38.5	51.5
100°	16.4	17.1	17.8	18.5	19.2	32.5	58.4	84.3	110.2	136.1	135.4
102.5°	98.4	110.2	122.0	133.8	145.7	154.0	158.9	163.8	168.7	173.6	173.2
105°	232.3	232.4	232.6	232.8	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	292.8	293.3	293.8	294.4	294.9	295.1	295.1	295.1	295.0	295.0	294.6
110°	334.7	334.5	334.4	334.2	334.0	334.2	334.7	335.2	335.8	336.3	335.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	372.3	372.5	372.7	373.0	373.2	373.7	374.3	375.0	375.7	376.3	376.1
115°	428.6	429.6	430.6	431.7	432.7	433.6	434.3	435.0	435.7	436.4	436.2
117.5°	488.6	489.1	489.5	490.0	490.4	491.1	492.0	492.9	493.8	494.7	494.1
120°	525.5	526.4	527.3	528.1	529.0	529.6	530.0	530.3	530.7	531.0	530.5
122.5°	560.6	561.6	562.6	563.6	564.6	565.3	565.6	566.0	566.3	566.7	566.4
125°	613.9	614.4	614.9	615.5	616.0	616.6	617.3	618.0	618.7	619.4	619.4
127.5°	658.8	660.1	661.4	662.7	663.9	664.8	665.2	665.5	665.9	666.3	666.4
130°	691.3	692.2	693.1	693.9	694.8	695.5	696.0	696.5	697.1	697.6	697.4
132.5°	721.4	722.2	723.1	724.0	724.8	725.3	725.4	725.5	725.6	725.7	726.1
135°	762.5	763.5	764.6	765.6	766.7	767.4	767.7	768.1	768.4	768.8	769.1
137.5°	803.8	804.7	805.6	806.5	807.4	807.8	807.7	807.7	807.6	807.5	807.9
140°	828.2	829.2	830.3	831.3	832.4	832.7	832.4	832.0	831.7	831.3	831.5
142.5°	851.3	852.4	853.4	854.5	855.5	856.0	855.9	855.9	855.8	855.7	855.5
145°	885.3	886.3	887.4	888.4	889.4	889.9	889.7	889.5	889.4	889.2	889.2
147.5°	913.3	914.5	915.8	917.0	918.3	918.8	918.6	918.4	918.2	918.0	917.8
150°	931.4	932.8	934.2	935.6	937.0	937.5	937.2	936.8	936.5	936.1	935.8
152.5°	948.3	949.6	950.8	952.1	953.3	953.8	953.4	953.1	952.7	952.4	952.0
155°	970.5	971.9	973.3	974.7	976.1	976.5	976.0	975.5	974.9	974.4	974.1
157.5°	989.1	990.5	991.9	993.3	994.7	995.1	994.6	994.0	993.4	992.9	992.8
160°	1001.0	1002.4	1003.8	1005.2	1006.6	1006.9	1006.2	1005.5	1004.8	1004.1	1004.0
162.5°	1011.7	1013.2	1014.7	1016.2	1017.8	1018.0	1017.1	1016.1	1015.1	1014.2	1014.0
165°	1026.0	1027.4	1028.8	1030.2	1031.6	1031.8	1030.7	1029.7	1028.7	1027.6	1027.4
167.5°	1036.1	1037.6	1039.2	1040.7	1042.3	1042.5	1041.2	1040.0	1038.7	1037.5	1037.3
170°	1041.7	1043.2	1044.8	1046.4	1047.9	1048.0	1046.6	1045.2	1043.9	1042.5	1042.3
172.5°	1045.4	1047.0	1048.6	1050.1	1051.7	1051.9	1050.6	1049.3	1048.1	1046.8	1046.5
175°	1050.3	1051.9	1053.4	1055.0	1056.5	1056.6	1055.2	1053.8	1052.5	1051.1	1050.9
177.5°	1053.1	1054.2	1055.3	1056.4	1057.6	1057.6	1056.6	1055.7	1054.7	1053.7	1053.6
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	560.1	558.8	557.3	554.7	551.6	549.9	547.4	545.7	542.4	539.6	536.6
5°	588.5	582.5	577.0	569.8	562.0	556.9	550.9	544.2	537.2	530.1	522.2
7.5°	618.0	607.3	595.8	583.4	571.2	560.0	549.3	538.9	529.1	517.2	507.2
10°	637.7	624.3	610.0	593.2	576.7	562.4	547.9	535.2	522.2	508.4	496.1
12.5°	657.5	639.7	619.4	600.9	581.2	563.9	546.8	530.5	514.3	498.9	484.6
15°	671.5	655.8	637.1	610.7	588.5	564.7	542.1	521.1	501.4	484.3	466.3
17.5°	680.7	660.4	640.3	615.1	586.0	559.4	533.7	509.6	487.5	465.8	448.5
20°	682.3	661.5	640.5	615.8	586.0	555.5	529.8	501.0	477.2	454.7	433.5
22.5°	681.8	658.2	635.3	609.9	580.8	552.7	521.7	492.3	466.4	444.4	422.2
25°	676.6	651.4	622.7	597.1	568.4	538.6	507.2	476.7	450.4	425.2	403.2
27.5°	672.2	639.6	607.1	577.2	549.5	522.2	492.1	460.9	431.7	406.2	385.5
30°	666.9	631.0	594.5	563.3	534.9	508.4	479.9	449.4	418.9	394.0	371.8
32.5°	662.1	620.3	581.8	547.8	517.7	491.9	465.7	436.7	406.7	381.4	359.2
35°	652.8	604.5	560.3	522.0	489.9	463.3	441.3	414.3	386.8	362.3	341.1
37.5°	641.0	583.7	536.3	496.1	460.9	432.9	412.5	391.7	365.3	341.7	322.5
40°	631.7	568.9	518.7	477.6	441.1	412.0	393.0	373.4	351.5	329.5	309.2
42.5°	620.1	555.6	501.0	456.7	420.6	392.2	372.3	355.7	336.3	315.8	297.0
45°	598.7	531.5	472.3	424.7	388.2	360.2	339.7	327.2	312.6	293.2	277.3
47.5°	567.2	502.5	441.3	392.2	354.5	328.6	309.3	297.3	287.1	272.7	258.2
50°	539.3	480.9	418.9	370.2	332.5	306.4	288.6	277.7	269.0	257.9	245.6
52.5°	508.1	453.7	396.9	348.7	311.4	285.7	268.3	258.7	251.4	243.5	231.4
55°	458.4	412.2	359.5	313.8	279.4	254.2	238.9	230.6	224.6	218.6	211.2
57.5°	403.8	367.6	321.0	279.1	247.4	224.5	210.3	202.2	197.5	194.4	190.1
60°	365.3	334.4	294.2	256.0	225.1	204.7	190.9	184.6	180.7	178.2	174.9
62.5°	329.6	304.2	267.0	232.2	205.1	185.9	173.5	167.4	163.7	162.4	159.8
65°	277.1	257.4	226.7	197.8	174.7	158.3	147.9	142.1	139.8	138.4	138.6
67.5°	225.2	213.3	188.6	164.0	145.5	131.8	123.4	119.0	117.8	116.0	116.0
70°	193.6	184.6	163.8	142.3	125.9	115.3	107.9	103.3	102.1	101.2	101.0
72.5°	165.7	157.8	139.8	122.6	107.8	98.5	92.4	89.6	87.7	87.2	87.1
75°	124.5	120.2	105.8	92.2	82.0	75.6	71.4	68.9	67.5	67.2	67.5
77.5°	88.5	84.7	75.6	65.9	59.5	54.6	51.1	50.2	48.7	48.7	48.5
80°	66.5	64.0	58.2	50.6	45.3	41.1	39.3	37.7	37.2	36.5	37.2
82.5°	48.2	45.5	41.6	36.7	32.3	29.9	28.0	27.5	27.2	26.9	27.0
85°	23.8	24.0	21.7	18.0	16.2	14.8	13.6	13.6	13.4	13.2	13.4
87.5°	10.1	9.5	8.6	7.7	6.5	5.7	5.2	5.1	4.9	5.0	5.4
90°	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	10.4	9.3	8.2	8.2	9.1	10.1	11.1	12.0	11.1	10.1	9.1
95°	25.7	32.3	38.9	42.5	43.0	43.5	44.1	44.6	44.1	43.5	43.0
97.5°	64.6	77.7	90.8	96.8	95.9	94.9	94.0	93.1	94.0	94.9	95.9
100°	134.7	134.0	133.3	132.7	132.2	131.6	131.1	130.6	131.1	131.6	132.2
102.5°	172.8	172.4	171.9	171.4	170.7	170.1	169.4	168.8	169.4	170.1	170.7
105°	233.0	233.0	233.0	232.7	232.0	231.3	230.6	229.9	230.6	231.3	232.0
107.5°	294.3	293.9	293.6	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4
110°	335.6	335.2	334.9	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7



TEST NUMBER: P333133

CATALOG NUMBER: S125DIP-S375D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	375.9	375.7	375.5	375.2	374.8	374.3	373.9	373.5	373.9	374.3	374.8
115°	436.0	435.9	435.7	435.2	434.3	433.4	432.6	431.7	432.6	433.4	434.3
117.5°	493.4	492.7	492.1	491.8	491.8	491.8	491.9	491.9	491.9	491.8	491.8
120°	530.0	529.4	528.9	528.7	528.9	529.1	529.3	529.4	529.3	529.1	528.9
122.5°	566.2	565.9	565.7	565.2	564.6	563.9	563.3	562.6	563.3	563.9	564.6
125°	619.4	619.4	619.4	618.8	617.6	616.3	615.1	613.9	615.1	616.3	617.6
127.5°	666.5	666.6	666.7	666.3	665.5	664.6	663.7	662.9	663.7	664.6	665.5
130°	697.2	697.1	696.9	696.4	695.5	694.6	693.8	692.9	693.8	694.6	695.5
132.5°	726.5	726.9	727.3	727.0	725.9	724.9	723.9	722.9	723.9	724.9	725.9
135°	769.4	769.8	770.1	769.8	768.8	767.7	766.7	765.6	766.7	767.7	768.8
137.5°	808.2	808.5	808.8	808.5	807.6	806.7	805.8	804.9	805.8	806.7	807.6
140°	831.7	831.8	832.0	831.9	831.6	831.2	830.9	830.5	830.9	831.2	831.6
142.5°	855.2	855.0	854.7	854.5	854.3	854.1	853.9	853.7	853.9	854.1	854.3
145°	889.2	889.2	889.2	889.0	888.7	888.3	888.0	887.6	888.0	888.3	888.7
147.5°	917.5	917.3	917.1	917.1	917.1	917.2	917.3	917.3	917.3	917.2	917.1
150°	935.4	935.1	934.7	934.7	935.1	935.4	935.8	936.1	935.8	935.4	935.1
152.5°	951.7	951.3	951.0	951.2	952.0	952.7	953.5	954.3	953.5	952.7	952.0
155°	973.7	973.4	973.0	973.4	974.4	975.5	976.5	977.6	976.5	975.5	974.4
157.5°	992.8	992.8	992.7	993.0	993.7	994.3	994.9	995.5	994.9	994.3	993.7
160°	1003.8	1003.6	1003.5	1003.9	1004.9	1006.0	1007.0	1008.1	1007.0	1006.0	1004.9
162.5°	1013.8	1013.6	1013.5	1013.9	1014.9	1016.0	1017.0	1018.1	1017.0	1016.0	1014.9
165°	1027.3	1027.1	1026.9	1027.3	1028.4	1029.4	1030.5	1031.5	1030.5	1029.4	1028.4
167.5°	1037.1	1036.9	1036.8	1037.2	1038.3	1039.4	1040.5	1041.5	1040.5	1039.4	1038.3
170°	1042.1	1041.9	1041.8	1042.3	1043.5	1044.7	1045.9	1047.2	1045.9	1044.7	1043.5
172.5°	1046.2	1045.9	1045.6	1046.0	1047.3	1048.5	1049.7	1050.9	1049.7	1048.5	1047.3
175°	1050.7	1050.5	1050.4	1050.8	1051.9	1052.9	1053.9	1055.0	1053.9	1052.9	1051.9
177.5°	1053.4	1053.3	1053.2	1053.5	1054.4	1055.2	1056.0	1056.9	1056.0	1055.2	1054.4
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333133

CATALOG NUMBER: S125DIP-S375D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	535.0	532.9	531.3	527.6	525.5	522.8	520.6	523.0	520.4	521.5	519.8
5°	518.3	511.8	507.2	500.5	494.7	489.4	485.5	484.8	482.9	482.0	479.2
7.5°	498.2	490.1	482.2	473.4	466.0	458.5	453.7	449.7	447.1	443.6	441.2
10°	486.4	475.5	466.3	455.7	446.4	438.3	431.9	428.6	425.6	421.2	419.6
12.5°	471.8	460.6	449.3	437.9	429.0	420.0	414.5	409.6	407.5	402.6	402.1
15°	454.3	437.4	426.3	414.8	402.5	395.1	390.5	385.2	382.9	379.4	376.9
17.5°	433.4	418.3	404.5	392.5	382.0	375.8	370.0	366.4	362.4	360.1	356.0
20°	418.2	403.9	390.0	377.3	369.2	362.1	357.5	354.0	349.8	348.7	344.5
22.5°	405.5	389.7	376.4	365.7	356.9	348.8	343.8	341.4	338.6	335.0	334.2
25°	384.7	368.3	357.0	346.4	338.5	331.1	327.7	324.7	321.9	319.3	318.4
27.5°	366.8	352.1	338.7	329.1	322.2	315.5	312.5	308.8	306.8	304.7	302.2
30°	354.2	339.2	327.4	318.2	310.8	304.8	301.5	299.0	297.2	295.3	293.9
32.5°	341.3	327.4	316.0	306.9	299.5	295.0	292.1	290.3	288.3	286.1	284.3
35°	324.2	308.9	297.8	290.0	284.2	280.7	277.5	275.9	273.6	273.6	271.7
37.5°	304.9	291.7	281.9	274.8	269.6	266.5	263.0	261.9	260.4	259.4	258.8
40°	293.5	281.2	272.0	264.8	259.3	256.7	253.9	252.1	251.2	250.0	249.6
42.5°	281.6	269.9	261.1	254.5	249.6	247.5	244.9	243.6	241.7	240.2	239.9
45°	263.6	252.3	244.2	238.9	234.8	232.2	230.6	227.8	226.9	225.1	224.8
47.5°	246.6	235.7	227.8	223.4	219.8	217.7	215.2	212.4	211.3	210.4	210.3
50°	233.8	223.9	216.5	212.4	208.9	205.9	203.3	201.5	200.8	200.8	201.3
52.5°	220.9	212.4	206.2	201.1	197.8	194.6	192.2	191.1	190.1	191.2	192.0
55°	202.0	193.4	188.8	183.9	180.7	177.0	175.8	175.4	174.7	176.5	177.5
57.5°	181.9	175.9	170.5	165.7	162.8	160.6	159.1	158.8	160.1	161.0	164.0
60°	169.1	162.2	157.4	153.7	150.2	148.8	148.3	147.9	148.8	151.3	155.3
62.5°	155.1	149.5	144.2	141.5	138.9	136.6	136.5	136.8	138.6	141.6	145.5
65°	134.5	129.6	126.2	122.9	120.8	119.5	119.9	120.8	122.9	126.9	131.2
67.5°	113.5	110.2	107.1	104.5	102.5	102.5	103.0	104.4	106.8	111.3	115.3
70°	100.1	96.4	93.8	92.7	91.0	90.1	91.5	93.8	95.9	100.1	103.5
72.5°	86.6	83.4	81.4	80.6	79.9	79.2	79.7	82.2	85.0	89.1	93.2
75°	66.5	65.4	64.0	63.1	62.4	62.9	63.3	65.6	67.9	72.3	76.9
77.5°	48.6	47.4	46.5	46.3	45.9	46.2	47.5	49.2	51.4	54.6	58.1
80°	36.7	36.3	35.8	35.6	35.6	35.8	37.7	38.8	40.9	43.9	46.7
82.5°	26.8	26.5	26.4	26.3	26.5	26.6	27.7	29.2	30.9	33.2	35.6
85°	14.1	13.6	14.3	14.6	14.1	14.8	15.3	16.2	16.9	18.0	19.2
87.5°	5.9	6.5	6.6	7.0	7.3	7.9	7.9	8.8	9.3	9.9	9.8
90°	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.3	15.1	16.0	16.7
92.5°	8.2	8.2	9.3	10.4	11.4	12.5	13.4	14.3	15.1	16.0	16.5
95°	42.5	38.9	32.3	25.7	19.1	12.5	13.4	14.3	15.1	16.0	16.4
97.5°	96.8	90.8	77.7	64.6	51.5	38.5	33.6	28.7	23.8	18.9	16.4
100°	132.7	133.3	134.0	134.7	135.4	136.1	110.2	84.3	58.4	32.5	19.2
102.5°	171.4	171.9	172.4	172.8	173.2	173.6	168.7	163.8	158.9	154.0	145.7
105°	232.7	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	293.4	293.6	293.9	294.3	294.6	295.0	295.0	295.1	295.1	295.1	294.9
110°	334.7	334.9	335.2	335.6	335.9	336.3	335.8	335.2	334.7	334.2	334.0



TEST NUMBER: P333133

CATALOG NUMBER: S125DIP-S375D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	375.2	375.5	375.7	375.9	376.1	376.3	375.7	375.0	374.3	373.7	373.2
115°	435.2	435.7	435.9	436.0	436.2	436.4	435.7	435.0	434.3	433.6	432.7
117.5°	491.8	492.1	492.7	493.4	494.1	494.7	493.8	492.9	492.0	491.1	490.4
120°	528.7	528.9	529.4	530.0	530.5	531.0	530.7	530.3	530.0	529.6	529.0
122.5°	565.2	565.7	565.9	566.2	566.4	566.7	566.3	566.0	565.6	565.3	564.6
125°	618.8	619.4	619.4	619.4	619.4	619.4	618.7	618.0	617.3	616.6	616.0
127.5°	666.3	666.7	666.6	666.5	666.4	666.3	665.9	665.5	665.2	664.8	663.9
130°	696.4	696.9	697.1	697.2	697.4	697.6	697.1	696.5	696.0	695.5	694.8
132.5°	727.0	727.3	726.9	726.5	726.1	725.7	725.6	725.5	725.4	725.3	724.8
135°	769.8	770.1	769.8	769.4	769.1	768.8	768.4	768.1	767.7	767.4	766.7
137.5°	808.5	808.8	808.5	808.2	807.9	807.5	807.6	807.7	807.7	807.8	807.4
140°	831.9	832.0	831.8	831.7	831.5	831.3	831.7	832.0	832.4	832.7	832.4
142.5°	854.5	854.7	855.0	855.2	855.5	855.7	855.8	855.9	855.9	856.0	855.5
145°	889.0	889.2	889.2	889.2	889.2	889.2	889.4	889.5	889.7	889.9	889.4
147.5°	917.1	917.1	917.3	917.5	917.8	918.0	918.2	918.4	918.6	918.8	918.3
150°	934.7	934.7	935.1	935.4	935.8	936.1	936.5	936.8	937.2	937.5	937.0
152.5°	951.2	951.0	951.3	951.7	952.0	952.4	952.7	953.1	953.4	953.8	953.3
155°	973.4	973.0	973.4	973.7	974.1	974.4	974.9	975.5	976.0	976.5	976.1
157.5°	993.0	992.7	992.8	992.8	992.8	992.9	993.4	994.0	994.6	995.1	994.7
160°	1003.9	1003.5	1003.6	1003.8	1004.0	1004.1	1004.8	1005.5	1006.2	1006.9	1006.6
162.5°	1013.9	1013.5	1013.6	1013.8	1014.0	1014.2	1015.1	1016.1	1017.1	1018.0	1017.8
165°	1027.3	1026.9	1027.1	1027.3	1027.4	1027.6	1028.7	1029.7	1030.7	1031.8	1031.6
167.5°	1037.2	1036.8	1036.9	1037.1	1037.3	1037.5	1038.7	1040.0	1041.2	1042.5	1042.3
170°	1042.3	1041.8	1041.9	1042.1	1042.3	1042.5	1043.9	1045.2	1046.6	1048.0	1047.9
172.5°	1046.0	1045.6	1045.9	1046.2	1046.5	1046.8	1048.1	1049.3	1050.6	1051.9	1051.7
175°	1050.8	1050.4	1050.5	1050.7	1050.9	1051.1	1052.5	1053.8	1055.2	1056.6	1056.5
177.5°	1053.5	1053.2	1053.3	1053.4	1053.6	1053.7	1054.7	1055.7	1056.6	1057.6	1057.6
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333133

CATALOG NUMBER: S125DIP-S375D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	518.7	520.0	518.9	520.4	518.9	520.0	518.7	519.8	521.5	520.4	523.0
5°	478.1	476.0	477.4	476.5	477.4	476.0	478.1	479.2	482.0	482.9	484.8
7.5°	440.6	438.6	436.3	435.2	436.3	438.6	440.6	441.2	443.6	447.1	449.7
10°	417.1	414.5	414.3	412.7	414.3	414.5	417.1	419.6	421.2	425.6	428.6
12.5°	399.9	397.5	394.9	394.2	394.9	397.5	399.9	402.1	402.6	407.5	409.6
15°	375.5	373.6	372.0	373.4	372.0	373.6	375.5	376.9	379.4	382.9	385.2
17.5°	355.2	353.7	353.4	351.7	353.4	353.7	355.2	356.0	360.1	362.4	366.4
20°	342.4	341.3	341.8	338.7	341.8	341.3	342.4	344.5	348.7	349.8	354.0
22.5°	332.3	330.0	329.7	329.1	329.7	330.0	332.3	334.2	335.0	338.6	341.4
25°	316.3	315.2	314.0	315.2	314.0	315.2	316.3	318.4	319.3	321.9	324.7
27.5°	302.4	301.0	300.7	300.9	300.7	301.0	302.4	302.2	304.7	306.8	308.8
30°	293.9	291.6	291.8	291.6	291.8	291.6	293.9	293.9	295.3	297.2	299.0
32.5°	284.7	283.1	282.8	282.4	282.8	283.1	284.7	284.3	286.1	288.3	290.3
35°	271.0	271.0	269.9	269.9	269.9	271.0	271.0	271.7	273.6	273.6	275.9
37.5°	258.2	258.0	257.3	257.4	257.3	258.0	258.2	258.8	259.4	260.4	261.9
40°	248.6	248.4	247.7	246.3	247.7	248.4	248.6	249.6	250.0	251.2	252.1
42.5°	239.4	238.6	238.3	237.8	238.3	238.6	239.4	239.9	240.2	241.7	243.6
45°	224.8	224.8	224.4	224.1	224.4	224.8	224.8	224.8	225.1	226.9	227.8
47.5°	210.7	211.1	212.0	211.8	212.0	211.1	210.7	210.3	210.4	211.3	212.4
50°	202.2	202.4	203.1	203.3	203.1	202.4	202.2	201.3	200.8	200.8	201.5
52.5°	192.8	194.1	195.0	194.8	195.0	194.1	192.8	192.0	191.2	190.1	191.1
55°	179.5	181.2	182.8	183.0	182.8	181.2	179.5	177.5	176.5	174.7	175.4
57.5°	166.5	168.7	170.4	171.0	170.4	168.7	166.5	164.0	161.0	160.1	158.8
60°	157.6	160.6	162.7	163.6	162.7	160.6	157.6	155.3	151.3	148.8	147.9
62.5°	149.1	152.5	154.5	154.7	154.5	152.5	149.1	145.5	141.6	138.6	136.8
65°	135.2	138.6	140.5	141.9	140.5	138.6	135.2	131.2	126.9	122.9	120.8
67.5°	120.2	123.7	125.7	126.8	125.7	123.7	120.2	115.3	111.3	106.8	104.4
70°	109.3	112.8	115.5	116.5	115.5	112.8	109.3	103.5	100.1	95.9	93.8
72.5°	98.6	101.7	103.9	105.0	103.9	101.7	98.6	93.2	89.1	85.0	82.2
75°	79.9	84.1	86.2	87.3	86.2	84.1	79.9	76.9	72.3	67.9	65.6
77.5°	61.6	65.4	66.7	67.3	66.7	65.4	61.6	58.1	54.6	51.4	49.2
80°	49.4	51.8	53.4	53.6	53.4	51.8	49.4	46.7	43.9	40.9	38.8
82.5°	38.0	39.9	40.4	41.0	40.4	39.9	38.0	35.6	33.2	30.9	29.2
85°	20.8	21.7	22.0	21.7	22.0	21.7	20.8	19.2	18.0	16.9	16.2
87.5°	10.3	10.2	10.3	10.8	10.3	10.2	10.3	9.8	9.9	9.3	8.8
90°	17.2	17.7	18.2	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.3
92.5°	16.8	17.0	17.3	17.5	17.3	17.0	16.8	16.5	16.0	15.1	14.3
95°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.0	15.1	14.3
97.5°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	18.9	23.8	28.7
100°	18.5	17.8	17.1	16.4	17.1	17.8	18.5	19.2	32.5	58.4	84.3
102.5°	133.8	122.0	110.2	98.4	110.2	122.0	133.8	145.7	154.0	158.9	163.8
105°	232.8	232.6	232.4	232.3	232.4	232.6	232.8	233.0	233.0	233.0	233.0
107.5°	294.4	293.8	293.3	292.8	293.3	293.8	294.4	294.9	295.1	295.1	295.1
110°	334.2	334.4	334.5	334.7	334.5	334.4	334.2	334.0	334.2	334.7	335.2



TEST NUMBER: P333133

CATALOG NUMBER: S125DIP-S375D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	373.0	372.7	372.5	372.3	372.5	372.7	373.0	373.2	373.7	374.3	375.0
115°	431.7	430.6	429.6	428.6	429.6	430.6	431.7	432.7	433.6	434.3	435.0
117.5°	490.0	489.5	489.1	488.6	489.1	489.5	490.0	490.4	491.1	492.0	492.9
120°	528.1	527.3	526.4	525.5	526.4	527.3	528.1	529.0	529.6	530.0	530.3
122.5°	563.6	562.6	561.6	560.6	561.6	562.6	563.6	564.6	565.3	565.6	566.0
125°	615.5	614.9	614.4	613.9	614.4	614.9	615.5	616.0	616.6	617.3	618.0
127.5°	662.7	661.4	660.1	658.8	660.1	661.4	662.7	663.9	664.8	665.2	665.5
130°	693.9	693.1	692.2	691.3	692.2	693.1	693.9	694.8	695.5	696.0	696.5
132.5°	724.0	723.1	722.2	721.4	722.2	723.1	724.0	724.8	725.3	725.4	725.5
135°	765.6	764.6	763.5	762.5	763.5	764.6	765.6	766.7	767.4	767.7	768.1
137.5°	806.5	805.6	804.7	803.8	804.7	805.6	806.5	807.4	807.8	807.7	807.7
140°	831.3	830.3	829.2	828.2	829.2	830.3	831.3	832.4	832.7	832.4	832.0
142.5°	854.5	853.4	852.4	851.3	852.4	853.4	854.5	855.5	856.0	855.9	855.9
145°	888.4	887.4	886.3	885.3	886.3	887.4	888.4	889.4	889.9	889.7	889.5
147.5°	917.0	915.8	914.5	913.3	914.5	915.8	917.0	918.3	918.8	918.6	918.4
150°	935.6	934.2	932.8	931.4	932.8	934.2	935.6	937.0	937.5	937.2	936.8
152.5°	952.1	950.8	949.6	948.3	949.6	950.8	952.1	953.3	953.8	953.4	953.1
155°	974.7	973.3	971.9	970.5	971.9	973.3	974.7	976.1	976.5	976.0	975.5
157.5°	993.3	991.9	990.5	989.1	990.5	991.9	993.3	994.7	995.1	994.6	994.0
160°	1005.2	1003.8	1002.4	1001.0	1002.4	1003.8	1005.2	1006.6	1006.9	1006.2	1005.5
162.5°	1016.2	1014.7	1013.2	1011.7	1013.2	1014.7	1016.2	1017.8	1018.0	1017.1	1016.1
165°	1030.2	1028.8	1027.4	1026.0	1027.4	1028.8	1030.2	1031.6	1031.8	1030.7	1029.7
167.5°	1040.7	1039.2	1037.6	1036.1	1037.6	1039.2	1040.7	1042.3	1042.5	1041.2	1040.0
170°	1046.4	1044.8	1043.2	1041.7	1043.2	1044.8	1046.4	1047.9	1048.0	1046.6	1045.2
172.5°	1050.1	1048.6	1047.0	1045.4	1047.0	1048.6	1050.1	1051.7	1051.9	1050.6	1049.3
175°	1055.0	1053.4	1051.9	1050.3	1051.9	1053.4	1055.0	1056.5	1056.6	1055.2	1053.8
177.5°	1056.4	1055.3	1054.2	1053.1	1054.2	1055.3	1056.4	1057.6	1057.6	1056.6	1055.7
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333133

CATALOG NUMBER: S125DIP-S375D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	520.6	522.8	525.5	527.6	531.3	532.9	535.0	536.6	539.6	542.4	545.7
5°	485.5	489.4	494.7	500.5	507.2	511.8	518.3	522.2	530.1	537.2	544.2
7.5°	453.7	458.5	466.0	473.4	482.2	490.1	498.2	507.2	517.2	529.1	538.9
10°	431.9	438.3	446.4	455.7	466.3	475.5	486.4	496.1	508.4	522.2	535.2
12.5°	414.5	420.0	429.0	437.9	449.3	460.6	471.8	484.6	498.9	514.3	530.5
15°	390.5	395.1	402.5	414.8	426.3	437.4	454.3	466.3	484.3	501.4	521.1
17.5°	370.0	375.8	382.0	392.5	404.5	418.3	433.4	448.5	465.8	487.5	509.6
20°	357.5	362.1	369.2	377.3	390.0	403.9	418.2	433.5	454.7	477.2	501.0
22.5°	343.8	348.8	356.9	365.7	376.4	389.7	405.5	422.2	444.4	466.4	492.3
25°	327.7	331.1	338.5	346.4	357.0	368.3	384.7	403.2	425.2	450.4	476.7
27.5°	312.5	315.5	322.2	329.1	338.7	352.1	366.8	385.5	406.2	431.7	460.9
30°	301.5	304.8	310.8	318.2	327.4	339.2	354.2	371.8	394.0	418.9	449.4
32.5°	292.1	295.0	299.5	306.9	316.0	327.4	341.3	359.2	381.4	406.7	436.7
35°	277.5	280.7	284.2	290.0	297.8	308.9	324.2	341.1	362.3	386.8	414.3
37.5°	263.0	266.5	269.6	274.8	281.9	291.7	304.9	322.5	341.7	365.3	391.7
40°	253.9	256.7	259.3	264.8	272.0	281.2	293.5	309.2	329.5	351.5	373.4
42.5°	244.9	247.5	249.6	254.5	261.1	269.9	281.6	297.0	315.8	336.3	355.7
45°	230.6	232.2	234.8	238.9	244.2	252.3	263.6	277.3	293.2	312.6	327.2
47.5°	215.2	217.7	219.8	223.4	227.8	235.7	246.6	258.2	272.7	287.1	297.3
50°	203.3	205.9	208.9	212.4	216.5	223.9	233.8	245.6	257.9	269.0	277.7
52.5°	192.2	194.6	197.8	201.1	206.2	212.4	220.9	231.4	243.5	251.4	258.7
55°	175.8	177.0	180.7	183.9	188.8	193.4	202.0	211.2	218.6	224.6	230.6
57.5°	159.1	160.6	162.8	165.7	170.5	175.9	181.9	190.1	194.4	197.5	202.2
60°	148.3	148.8	150.2	153.7	157.4	162.2	169.1	174.9	178.2	180.7	184.6
62.5°	136.5	136.6	138.9	141.5	144.2	149.5	155.1	159.8	162.4	163.7	167.4
65°	119.9	119.5	120.8	122.9	126.2	129.6	134.5	138.6	138.4	139.8	142.1
67.5°	103.0	102.5	102.5	104.5	107.1	110.2	113.5	116.0	116.0	117.8	119.0
70°	91.5	90.1	91.0	92.7	93.8	96.4	100.1	101.0	101.2	102.1	103.3
72.5°	79.7	79.2	79.9	80.6	81.4	83.4	86.6	87.1	87.2	87.7	89.6
75°	63.3	62.9	62.4	63.1	64.0	65.4	66.5	67.5	67.2	67.5	68.9
77.5°	47.5	46.2	45.9	46.3	46.5	47.4	48.6	48.5	48.7	48.7	50.2
80°	37.7	35.8	35.6	35.6	35.8	36.3	36.7	37.2	36.5	37.2	37.7
82.5°	27.7	26.6	26.5	26.3	26.4	26.5	26.8	27.0	26.9	27.2	27.5
85°	15.3	14.8	14.1	14.6	14.3	13.6	14.1	13.4	13.2	13.4	13.6
87.5°	7.9	7.9	7.3	7.0	6.6	6.5	5.9	5.4	5.0	4.9	5.1
90°	13.4	12.5	11.3	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8
92.5°	13.4	12.5	11.4	10.4	9.3	8.2	8.2	9.1	10.1	11.1	12.0
95°	13.4	12.5	19.1	25.7	32.3	38.9	42.5	43.0	43.5	44.1	44.6
97.5°	33.6	38.5	51.5	64.6	77.7	90.8	96.8	95.9	94.9	94.0	93.1
100°	110.2	136.1	135.4	134.7	134.0	133.3	132.7	132.2	131.6	131.1	130.6
102.5°	168.7	173.6	173.2	172.8	172.4	171.9	171.4	170.7	170.1	169.4	168.8
105°	233.0	233.0	233.0	233.0	233.0	233.0	232.7	232.0	231.3	230.6	229.9
107.5°	295.0	295.0	294.6	294.3	293.9	293.6	293.4	293.4	293.4	293.4	293.4
110°	335.8	336.3	335.9	335.6	335.2	334.9	334.7	334.7	334.7	334.7	334.7



TEST NUMBER: P333133

CATALOG NUMBER: S125DIP-S375D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	375.7	376.3	376.1	375.9	375.7	375.5	375.2	374.8	374.3	373.9	373.5
115°	435.7	436.4	436.2	436.0	435.9	435.7	435.2	434.3	433.4	432.6	431.7
117.5°	493.8	494.7	494.1	493.4	492.7	492.1	491.8	491.8	491.8	491.9	491.9
120°	530.7	531.0	530.5	530.0	529.4	528.9	528.7	528.9	529.1	529.3	529.4
122.5°	566.3	566.7	566.4	566.2	565.9	565.7	565.2	564.6	563.9	563.3	562.6
125°	618.7	619.4	619.4	619.4	619.4	619.4	618.8	617.6	616.3	615.1	613.9
127.5°	665.9	666.3	666.4	666.5	666.6	666.7	666.3	665.5	664.6	663.7	662.9
130°	697.1	697.6	697.4	697.2	697.1	696.9	696.4	695.5	694.6	693.8	692.9
132.5°	725.6	725.7	726.1	726.5	726.9	727.3	727.0	725.9	724.9	723.9	722.9
135°	768.4	768.8	769.1	769.4	769.8	770.1	769.8	768.8	767.7	766.7	765.6
137.5°	807.6	807.5	807.9	808.2	808.5	808.8	808.5	807.6	806.7	805.8	804.9
140°	831.7	831.3	831.5	831.7	831.8	832.0	831.9	831.6	831.2	830.9	830.5
142.5°	855.8	855.7	855.5	855.2	855.0	854.7	854.5	854.3	854.1	853.9	853.7
145°	889.4	889.2	889.2	889.2	889.2	889.2	889.0	888.7	888.3	888.0	887.6
147.5°	918.2	918.0	917.8	917.5	917.3	917.1	917.1	917.1	917.2	917.3	917.3
150°	936.5	936.1	935.8	935.4	935.1	934.7	934.7	935.1	935.4	935.8	936.1
152.5°	952.7	952.4	952.0	951.7	951.3	951.0	951.2	952.0	952.7	953.5	954.3
155°	974.9	974.4	974.1	973.7	973.4	973.0	973.4	974.4	975.5	976.5	977.6
157.5°	993.4	992.9	992.8	992.8	992.8	992.7	993.0	993.7	994.3	994.9	995.5
160°	1004.8	1004.1	1004.0	1003.8	1003.6	1003.5	1003.9	1004.9	1006.0	1007.0	1008.1
162.5°	1015.1	1014.2	1014.0	1013.8	1013.6	1013.5	1013.9	1014.9	1016.0	1017.0	1018.1
165°	1028.7	1027.6	1027.4	1027.3	1027.1	1026.9	1027.3	1028.4	1029.4	1030.5	1031.5
167.5°	1038.7	1037.5	1037.3	1037.1	1036.9	1036.8	1037.2	1038.3	1039.4	1040.5	1041.5
170°	1043.9	1042.5	1042.3	1042.1	1041.9	1041.8	1042.3	1043.5	1044.7	1045.9	1047.2
172.5°	1048.1	1046.8	1046.5	1046.2	1045.9	1045.6	1046.0	1047.3	1048.5	1049.7	1050.9
175°	1052.5	1051.1	1050.9	1050.7	1050.5	1050.4	1050.8	1051.9	1052.9	1053.9	1055.0
177.5°	1054.7	1053.7	1053.6	1053.4	1053.3	1053.2	1053.5	1054.4	1055.2	1056.0	1056.9
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333133

CATALOG NUMBER: S125DIP-S375D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	547.4	549.9	551.6	554.7	557.3	558.8	560.1	561.2	562.5	563.6	566.8
5°	550.9	556.9	562.0	569.8	577.0	582.5	588.5	593.8	598.2	604.5	609.3
7.5°	549.3	560.0	571.2	583.4	595.8	607.3	618.0	627.9	636.9	647.8	657.4
10°	547.9	562.4	576.7	593.2	610.0	624.3	637.7	651.4	661.3	675.2	687.0
12.5°	546.8	563.9	581.2	600.9	619.4	639.7	657.5	667.5	682.6	693.7	707.7
15°	542.1	564.7	588.5	610.7	637.1	655.8	671.5	690.9	705.0	719.1	734.3
17.5°	533.7	559.4	586.0	615.1	640.3	660.4	680.7	699.4	716.2	735.1	754.1
20°	529.8	555.5	586.0	615.8	640.5	661.5	682.3	702.9	721.4	745.7	767.6
22.5°	521.7	552.7	580.8	609.9	635.3	658.2	681.8	705.1	729.7	757.1	784.6
25°	507.2	538.6	568.4	597.1	622.7	651.4	676.6	707.8	739.2	775.5	809.7
27.5°	492.1	522.2	549.5	577.2	607.1	639.6	672.2	707.6	748.8	794.6	842.8
30°	479.9	508.4	534.9	563.3	594.5	631.0	666.9	708.9	756.5	808.0	865.4
32.5°	465.7	491.9	517.7	547.8	581.8	620.3	662.1	708.2	765.4	823.9	882.9
35°	441.3	463.3	489.9	522.0	560.3	604.5	652.8	707.3	772.9	840.2	889.8
37.5°	412.5	432.9	460.9	496.1	536.3	583.7	641.0	705.7	775.4	829.0	845.0
40°	393.0	412.0	441.1	477.6	518.7	568.9	631.7	700.1	767.6	801.8	788.6
42.5°	372.3	392.2	420.6	456.7	501.0	555.6	620.1	688.5	745.1	758.0	712.5
45°	339.7	360.2	388.2	424.7	472.3	531.5	598.7	660.9	693.4	670.1	599.6
47.5°	309.3	328.6	354.5	392.2	441.3	502.5	567.2	616.8	619.4	563.7	488.4
50°	288.6	306.4	332.5	370.2	418.9	480.9	539.3	578.4	560.8	497.7	425.4
52.5°	268.3	285.7	311.4	348.7	396.9	453.7	508.1	535.5	502.4	437.6	375.9
55°	238.9	254.2	279.4	313.8	359.5	412.2	458.4	467.9	424.9	361.2	311.0
57.5°	210.3	224.5	247.4	279.1	321.0	367.6	403.8	401.7	356.3	301.6	261.8
60°	190.9	204.7	225.1	256.0	294.2	334.4	365.3	357.9	312.9	265.7	232.2
62.5°	173.5	185.9	205.1	232.2	267.0	304.2	329.6	318.7	274.6	233.4	206.9
65°	147.9	158.3	174.7	197.8	226.7	257.4	277.1	263.0	225.3	193.2	171.9
67.5°	123.4	131.8	145.5	164.0	188.6	213.3	225.2	211.1	180.9	157.5	141.7
70°	107.9	115.3	125.9	142.3	163.8	184.6	193.6	180.9	155.0	134.9	123.6
72.5°	92.4	98.5	107.8	122.6	139.8	157.8	165.7	153.6	132.3	115.3	104.8
75°	71.4	75.6	82.0	92.2	105.8	120.2	124.5	113.9	100.3	87.6	80.6
77.5°	51.1	54.6	59.5	65.9	75.6	84.7	88.5	82.4	71.9	63.8	58.1
80°	39.3	41.1	45.3	50.6	58.2	64.0	66.5	62.6	55.2	49.2	44.8
82.5°	28.0	29.9	32.3	36.7	41.6	45.5	48.2	45.6	40.3	35.5	33.0
85°	13.6	14.8	16.2	18.0	21.7	24.0	23.8	22.2	20.1	18.3	16.9
87.5°	5.2	5.7	6.5	7.7	8.6	9.5	10.1	10.0	9.5	9.1	8.8
90°	2.2	3.6	5.0	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.3
92.5°	11.1	10.1	9.1	8.2	8.2	9.3	10.4	11.4	12.5	13.4	14.3
95°	44.1	43.5	43.0	42.5	38.9	32.3	25.7	19.1	12.5	13.4	14.3
97.5°	94.0	94.9	95.9	96.8	90.8	77.7	64.6	51.5	38.5	33.6	28.7
100°	131.1	131.6	132.2	132.7	133.3	134.0	134.7	135.4	136.1	110.2	84.3
102.5°	169.4	170.1	170.7	171.4	171.9	172.4	172.8	173.2	173.6	168.7	163.8
105°	230.6	231.3	232.0	232.7	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	293.4	293.4	293.4	293.4	293.6	293.9	294.3	294.6	295.0	295.0	295.1
110°	334.7	334.7	334.7	334.7	334.9	335.2	335.6	335.9	336.3	335.8	335.2



TEST NUMBER: P333133

CATALOG NUMBER: S125DIP-S375D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	373.9	374.3	374.8	375.2	375.5	375.7	375.9	376.1	376.3	375.7	375.0
115°	432.6	433.4	434.3	435.2	435.7	435.9	436.0	436.2	436.4	435.7	435.0
117.5°	491.9	491.8	491.8	491.8	492.1	492.7	493.4	494.1	494.7	493.8	492.9
120°	529.3	529.1	528.9	528.7	528.9	529.4	530.0	530.5	531.0	530.7	530.3
122.5°	563.3	563.9	564.6	565.2	565.7	565.9	566.2	566.4	566.7	566.3	566.0
125°	615.1	616.3	617.6	618.8	619.4	619.4	619.4	619.4	619.4	618.7	618.0
127.5°	663.7	664.6	665.5	666.3	666.7	666.6	666.5	666.4	666.3	665.9	665.5
130°	693.8	694.6	695.5	696.4	696.9	697.1	697.2	697.4	697.6	697.1	696.5
132.5°	723.9	724.9	725.9	727.0	727.3	726.9	726.5	726.1	725.7	725.6	725.5
135°	766.7	767.7	768.8	769.8	770.1	769.8	769.4	769.1	768.8	768.4	768.1
137.5°	805.8	806.7	807.6	808.5	808.8	808.5	808.2	807.9	807.5	807.6	807.7
140°	830.9	831.2	831.6	831.9	832.0	831.8	831.7	831.5	831.3	831.7	832.0
142.5°	853.9	854.1	854.3	854.5	854.7	855.0	855.2	855.5	855.7	855.8	855.9
145°	888.0	888.3	888.7	889.0	889.2	889.2	889.2	889.2	889.2	889.4	889.5
147.5°	917.3	917.2	917.1	917.1	917.1	917.3	917.5	917.8	918.0	918.2	918.4
150°	935.8	935.4	935.1	934.7	934.7	935.1	935.4	935.8	936.1	936.5	936.8
152.5°	953.5	952.7	952.0	951.2	951.0	951.3	951.7	952.0	952.4	952.7	953.1
155°	976.5	975.5	974.4	973.4	973.0	973.4	973.7	974.1	974.4	974.9	975.5
157.5°	994.9	994.3	993.7	993.0	992.7	992.8	992.8	992.8	992.9	993.4	994.0
160°	1007.0	1006.0	1004.9	1003.9	1003.5	1003.6	1003.8	1004.0	1004.1	1004.8	1005.5
162.5°	1017.0	1016.0	1014.9	1013.9	1013.5	1013.6	1013.8	1014.0	1014.2	1015.1	1016.1
165°	1030.5	1029.4	1028.4	1027.3	1026.9	1027.1	1027.3	1027.4	1027.6	1028.7	1029.7
167.5°	1040.5	1039.4	1038.3	1037.2	1036.8	1036.9	1037.1	1037.3	1037.5	1038.7	1040.0
170°	1045.9	1044.7	1043.5	1042.3	1041.8	1041.9	1042.1	1042.3	1042.5	1043.9	1045.2
172.5°	1049.7	1048.5	1047.3	1046.0	1045.6	1045.9	1046.2	1046.5	1046.8	1048.1	1049.3
175°	1053.9	1052.9	1051.9	1050.8	1050.4	1050.5	1050.7	1050.9	1051.1	1052.5	1053.8
177.5°	1056.0	1055.2	1054.4	1053.5	1053.2	1053.3	1053.4	1053.6	1053.7	1054.7	1055.7
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	569.4	570.8	574.0	572.9	574.3	575.1	575.8
5°	615.3	622.7	626.0	625.5	630.4	629.2	628.0
7.5°	667.3	675.0	679.4	684.8	687.9	688.2	690.9
10°	696.7	706.8	711.0	716.8	720.5	722.6	722.3
12.5°	719.2	727.2	736.5	739.3	744.3	747.0	746.0
15°	746.4	759.1	768.8	773.6	779.9	781.7	784.2
17.5°	770.6	787.6	798.9	814.0	819.7	823.2	821.1
20°	788.9	811.3	822.6	840.6	850.6	855.9	854.0
22.5°	810.5	834.8	855.7	871.3	886.4	893.6	895.1
25°	847.6	880.8	911.6	932.1	950.8	955.2	964.9
27.5°	889.0	928.2	961.1	982.7	995.7	1000.6	1003.7
30°	915.0	954.1	978.8	992.7	996.8	996.4	995.9
32.5°	927.8	952.2	957.0	953.1	943.6	935.5	927.1
35°	909.7	891.5	864.2	829.1	803.2	777.1	774.5
37.5°	818.2	759.8	714.4	663.7	634.5	616.4	603.9
40°	732.0	665.7	610.7	568.0	538.2	526.4	514.8
42.5°	638.5	575.1	526.4	490.7	468.3	455.2	446.1
45°	518.7	462.8	424.7	398.8	381.0	370.9	365.1
47.5°	425.1	383.7	351.3	332.6	320.4	312.5	312.5
50°	374.8	335.3	313.8	299.0	288.4	282.1	283.3
52.5°	330.2	300.7	282.4	270.0	262.1	258.3	258.1
55°	276.1	254.9	242.9	233.8	228.5	224.1	225.1
57.5°	236.2	218.3	210.2	202.7	199.0	197.3	194.7
60°	211.4	197.6	190.6	184.6	180.9	179.5	177.0
62.5°	189.4	178.5	171.8	166.9	163.6	163.1	161.1
65°	159.2	150.9	144.9	142.6	139.1	138.2	138.2
67.5°	131.2	125.3	120.6	118.5	117.0	117.2	116.1
70°	113.7	108.8	105.8	103.5	102.4	102.6	101.7
72.5°	99.5	94.0	91.4	90.0	88.5	89.1	88.7
75°	75.3	72.6	71.2	69.8	68.9	68.4	67.9
77.5°	55.3	52.9	51.8	51.0	51.2	50.0	50.9
80°	42.7	40.7	40.0	38.8	38.6	38.6	38.4
82.5°	31.3	30.1	29.6	28.7	28.2	28.6	28.0
85°	16.2	15.3	15.0	15.0	14.6	14.1	15.3
87.5°	8.9	8.4	8.5	8.4	8.5	8.5	8.2
90°	15.1	16.0	16.7	17.2	17.7	18.2	18.8
92.5°	15.1	16.0	16.5	16.8	17.0	17.3	17.5
95°	15.1	16.0	16.4	16.4	16.4	16.4	16.4
97.5°	23.8	18.9	16.4	16.4	16.4	16.4	16.4
100°	58.4	32.5	19.2	18.5	17.8	17.1	16.4
102.5°	158.9	154.0	145.7	133.8	122.0	110.2	98.4
105°	233.0	233.0	233.0	232.8	232.6	232.4	232.3
107.5°	295.1	295.1	294.9	294.4	293.8	293.3	292.8
110°	334.7	334.2	334.0	334.2	334.4	334.5	334.7



TEST NUMBER: P333133

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	374.3	373.7	373.2	373.0	372.7	372.5	372.3
115°	434.3	433.6	432.7	431.7	430.6	429.6	428.6
117.5°	492.0	491.1	490.4	490.0	489.5	489.1	488.6
120°	530.0	529.6	529.0	528.1	527.3	526.4	525.5
122.5°	565.6	565.3	564.6	563.6	562.6	561.6	560.6
125°	617.3	616.6	616.0	615.5	614.9	614.4	613.9
127.5°	665.2	664.8	663.9	662.7	661.4	660.1	658.8
130°	696.0	695.5	694.8	693.9	693.1	692.2	691.3
132.5°	725.4	725.3	724.8	724.0	723.1	722.2	721.4
135°	767.7	767.4	766.7	765.6	764.6	763.5	762.5
137.5°	807.7	807.8	807.4	806.5	805.6	804.7	803.8
140°	832.4	832.7	832.4	831.3	830.3	829.2	828.2
142.5°	855.9	856.0	855.5	854.5	853.4	852.4	851.3
145°	889.7	889.9	889.4	888.4	887.4	886.3	885.3
147.5°	918.6	918.8	918.3	917.0	915.8	914.5	913.3
150°	937.2	937.5	937.0	935.6	934.2	932.8	931.4
152.5°	953.4	953.8	953.3	952.1	950.8	949.6	948.3
155°	976.0	976.5	976.1	974.7	973.3	971.9	970.5
157.5°	994.6	995.1	994.7	993.3	991.9	990.5	989.1
160°	1006.2	1006.9	1006.6	1005.2	1003.8	1002.4	1001.0
162.5°	1017.1	1018.0	1017.8	1016.2	1014.7	1013.2	1011.7
165°	1030.7	1031.8	1031.6	1030.2	1028.8	1027.4	1026.0
167.5°	1041.2	1042.5	1042.3	1040.7	1039.2	1037.6	1036.1
170°	1046.6	1048.0	1047.9	1046.4	1044.8	1043.2	1041.7
172.5°	1050.6	1051.9	1051.7	1050.1	1048.6	1047.0	1045.4
175°	1055.2	1056.6	1056.5	1055.0	1053.4	1051.9	1050.3
177.5°	1056.6	1057.6	1057.6	1056.4	1055.3	1054.2	1053.1
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0

(END OF REPORT)