

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: P333126

Luminaire Tested: **S125DIP-S375D590U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333126
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-S375D590U835-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3659.5 lumens
Efficiency: N/A
Efficacy: 142.9 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

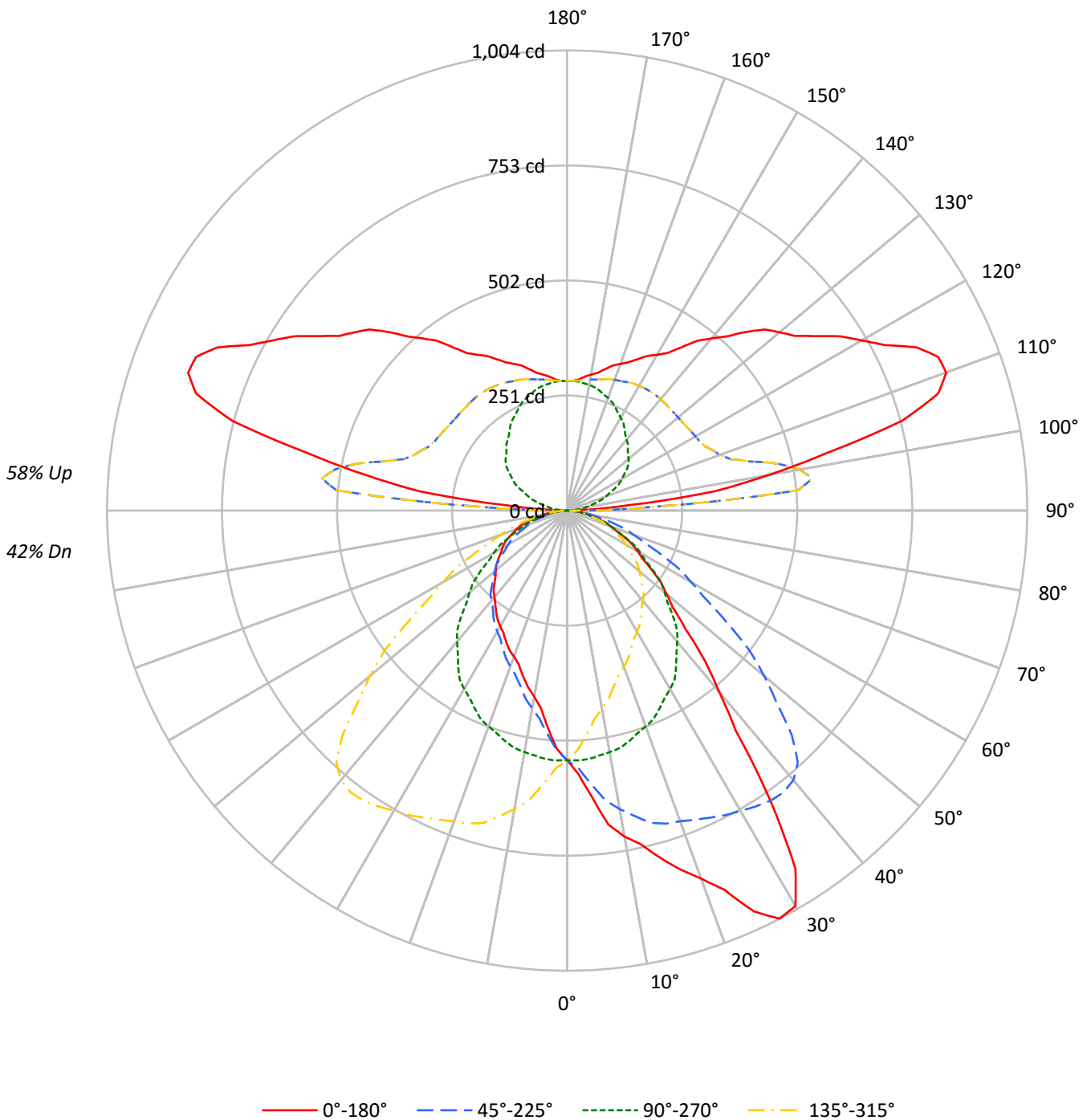
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	50	30	10	0														
RCR																																						
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42																				
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	42	36																				
2	88	81	75	70	80	74	69	64	61	57	54	49	47	44	38	37	35	30																				
3	80	71	64	58	73	65	59	54	54	49	46	44	40	38	34	32	30	26																				
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	31	28	26	22																				
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	28	25	23	19																				
6	62	50	42	36	56	46	39	34	39	33	29	32	28	25	25	22	20	17																				
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15																				
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16	14																				
9	49	37	30	25	45	35	28	23	29	24	20	24	20	17	19	16	14	12																				
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13	11																				

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	1.4
10°-20°	156.0	4.3
20°-30°	253.4	6.9
30°-40°	309.1	8.4
40°-50°	281.2	7.7
50°-60°	224.0	6.1
60°-70°	156.0	4.3
70°-80°	83.2	2.3
80°-90°	22.6	0.6
90°-100°	205.1	5.6
100°-110°	440.9	12.0
110°-120°	413.8	11.3
120°-130°	335.3	9.2
130°-140°	269.1	7.4
140°-150°	203.1	5.5
150°-160°	142.9	3.9
160°-170°	84.3	2.3
170°-180°	27.4	0.7
0°-30°	461.8	12.6
0°-40°	770.9	21.1
0°-60°	1276.0	34.9
0°-90°	1537.8	42.0
90°-120°	1059.7	29.0
90°-150°	1867.2	51.0
90°-180°	2122.0	58.0
0°-180°	3659.5	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°	13	1	13	1	13	10
95°	134	19	134	19	134	190
105°	756	64	756	64	756	751
115°	842	115	842	115	842	823
125°	663	160	663	160	663	600
135°	551	187	551	187	551	427
145°	435	218	435	218	435	276
155°	364	249	364	249	364	170
165°	319	272	319	272	319	91
175°	287	282	287	282	287	28
180°	283	283	283	283	283	



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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°	7.1	7.4	7.5	7.5	7.7	7.5	8.1	8.0	8.4	8.8	9.4
90°	13.1	13.1	12.5	12.5	12.5	11.4	10.8	10.3	9.7	9.1	8.0
92.5°	36.4	37.3	38.1	39.5	46.8	55.2	73.4	101.1	148.9	183.9	186.9
95°	134.1	143.2	147.7	164.9	205.4	253.3	323.4	410.1	494.6	505.4	412.4
97.5°	324.0	331.3	347.8	379.8	415.0	481.7	550.0	610.8	625.8	539.7	368.3
100°	444.9	454.1	475.2	516.2	555.6	614.9	673.7	701.6	657.7	515.1	328.6
102.5°	580.0	586.9	609.8	639.0	681.1	721.2	749.4	732.2	638.5	471.7	298.4
105°	755.8	762.7	774.1	792.9	811.1	817.4	792.3	714.2	577.3	413.6	269.2
107.5°	849.1	853.7	857.5	857.6	848.3	818.6	754.1	649.8	514.8	373.5	256.9
110°	880.2	880.2	876.2	865.3	839.7	791.2	710.8	602.4	479.2	354.8	253.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	876.5	872.4	862.5	843.9	806.4	749.2	667.9	565.0	452.7	343.9	253.3
115°	842.0	834.5	818.6	791.2	746.7	684.5	606.4	517.9	423.8	332.0	255.0
117.5°	781.4	776.8	761.0	732.7	688.2	631.1	563.8	487.6	406.6	326.2	258.7
120°	742.1	737.6	722.2	694.8	652.6	602.4	539.6	471.2	397.0	323.4	262.4
122.5°	707.4	703.3	687.9	662.8	625.2	578.2	522.3	458.9	388.8	321.2	265.6
125°	663.4	657.7	645.2	621.8	589.8	548.8	499.1	440.9	377.6	318.3	271.0
127.5°	625.8	623.2	611.4	590.7	561.8	523.3	477.0	422.7	367.4	316.9	277.0
130°	605.2	601.8	590.4	571.6	543.0	506.0	461.5	411.3	360.5	316.0	280.7
132.5°	584.7	580.8	570.3	551.5	523.0	487.3	446.9	399.9	355.0	316.0	284.8
135°	551.0	547.6	537.3	518.5	493.4	460.9	424.4	385.0	348.5	316.0	290.3
137.5°	515.1	511.3	501.9	484.7	462.3	434.7	404.3	372.5	342.7	316.7	295.5
140°	490.0	487.1	478.6	463.8	442.7	418.7	392.5	365.6	340.0	317.2	297.8
142.5°	466.7	464.3	456.2	443.7	425.8	405.0	382.4	359.7	337.7	317.6	299.1
145°	434.7	432.4	426.1	416.4	402.7	387.3	369.6	352.0	334.3	317.2	300.6
147.5°	407.5	406.5	402.8	395.1	384.2	372.6	359.0	344.7	330.7	315.7	301.2
150°	392.5	391.9	389.6	382.8	374.2	363.9	353.1	340.5	328.0	314.3	301.2
152.5°	380.6	380.0	377.7	372.3	365.1	357.1	347.2	336.0	324.8	312.5	300.7
155°	364.5	363.9	362.2	358.2	352.5	346.2	338.3	329.1	319.4	309.2	299.5
157.5°	350.1	350.2	348.6	345.3	340.9	336.0	329.8	322.3	314.4	305.7	298.0
160°	340.5	341.1	340.0	337.1	333.1	329.1	323.4	317.7	310.3	303.5	296.6
162.5°	331.9	332.0	331.8	329.4	326.3	322.7	318.0	312.7	306.7	300.7	295.3
165°	319.4	319.4	319.4	318.3	316.0	313.2	309.7	305.7	301.2	296.6	293.2
167.5°	308.0	308.1	308.6	307.6	306.4	304.4	301.8	299.1	295.8	292.6	290.0
170°	301.2	301.8	301.8	301.2	300.0	298.9	297.2	295.5	292.6	290.3	288.6
172.5°	294.8	295.4	296.3	295.3	295.0	294.3	293.1	291.4	289.4	287.6	286.8
175°	286.9	287.5	288.6	288.1	288.1	288.1	286.9	286.9	285.2	284.6	284.6
177.5°	282.9	282.9	284.3	283.8	284.3	284.3	284.3	283.8	283.4	282.9	282.9
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



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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°	9.6	9.0	8.2	7.4	6.2	5.4	5.0	5.1	4.7	4.7	5.1
90°	7.4	6.3	5.7	4.6	3.4	2.3	1.1	0.6	1.1	2.3	3.4
92.5°	130.2	77.9	46.8	30.1	20.3	13.2	8.4	7.0	8.4	13.2	20.3
95°	255.0	129.5	68.5	42.8	30.2	24.0	19.4	18.8	19.4	24.0	30.2
97.5°	203.5	111.6	71.2	52.7	41.4	35.1	31.9	31.3	31.9	35.1	41.4
100°	184.8	110.7	77.6	60.5	49.6	43.4	41.1	39.9	41.1	43.4	49.6
102.5°	177.1	114.8	85.3	68.7	58.8	52.0	50.2	49.5	50.2	52.0	58.8
105°	174.0	123.2	98.1	82.1	73.0	67.3	64.5	64.5	64.5	67.3	73.0
107.5°	179.2	135.8	111.5	97.1	87.6	82.9	80.2	79.1	80.2	82.9	87.6
110°	184.2	144.9	121.5	106.7	98.1	93.0	90.7	89.6	90.7	93.0	98.1



TEST NUMBER: P333126

CATALOG NUMBER: S125DIP-S375D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	190.6	153.6	131.1	116.7	108.2	103.0	101.2	100.1	101.2	103.0	108.2
115°	200.2	167.1	146.0	131.8	123.2	118.1	116.4	115.2	116.4	118.1	123.2
117.5°	211.2	181.1	161.1	147.3	137.6	132.5	130.6	128.9	130.6	132.5	137.6
120°	218.5	191.1	171.1	156.9	147.2	142.0	139.8	138.0	139.8	142.0	147.2
122.5°	226.7	200.7	180.7	166.5	155.8	150.7	148.9	147.6	148.9	150.7	155.8
125°	237.9	213.3	194.5	179.7	168.8	163.7	160.9	159.7	160.9	163.7	168.8
127.5°	248.1	225.5	207.4	192.6	181.1	174.6	170.9	169.2	170.9	174.6	181.1
130°	255.0	233.3	215.6	200.8	188.8	181.4	176.8	175.1	176.8	181.4	188.8
132.5°	260.9	240.6	222.9	208.1	195.7	187.3	181.9	179.7	181.9	187.3	195.7
135°	269.2	250.4	232.7	217.3	205.4	196.2	189.4	187.1	189.4	196.2	205.4
137.5°	275.4	257.4	241.3	225.4	213.7	204.6	198.2	196.5	198.2	204.6	213.7
140°	279.5	262.4	245.9	230.5	219.6	210.5	203.6	201.9	203.6	210.5	219.6
142.5°	281.8	265.6	250.0	235.5	225.1	216.0	209.6	208.3	209.6	216.0	225.1
145°	285.2	271.0	256.1	243.0	232.7	224.7	219.0	217.9	219.0	224.7	232.7
147.5°	287.3	274.4	261.4	249.8	240.9	233.5	228.6	227.9	228.6	233.5	240.9
150°	288.6	276.7	264.1	254.4	246.4	239.0	235.0	233.9	235.0	239.0	246.4
152.5°	289.5	278.9	267.3	258.5	251.0	244.5	240.9	240.3	240.9	244.5	251.0
155°	290.3	281.2	271.5	263.5	257.8	252.1	248.7	248.7	248.7	252.1	257.8
157.5°	290.9	283.2	274.8	268.8	263.8	258.9	256.1	256.2	256.1	258.9	263.8
160°	290.9	284.1	276.7	271.5	267.0	263.0	260.7	261.3	260.7	263.0	267.0
162.5°	290.5	285.0	278.5	274.3	270.6	267.1	264.8	265.4	264.8	267.1	270.6
165°	289.8	285.2	280.7	277.2	274.9	272.1	270.4	271.5	270.4	272.1	274.9
167.5°	288.4	285.2	281.4	279.3	277.7	276.1	275.1	275.6	275.1	276.1	277.7
170°	287.5	285.2	282.4	280.7	279.5	278.4	277.8	278.4	277.8	278.4	279.5
172.5°	286.6	284.8	282.4	281.6	280.9	279.7	279.2	280.2	279.2	279.7	280.9
175°	285.2	284.1	282.4	282.4	282.4	281.8	281.2	282.4	281.2	281.8	282.4
177.5°	283.8	283.4	282.5	282.5	282.9	282.5	282.5	283.4	282.5	282.5	282.9
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333126

CATALOG NUMBER: S125DIP-S375D590U835-4F0-1E-UDD-A4

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°	5.5	6.1	6.1	6.5	6.6	7.2	7.1	8.0	8.5	8.9	9.0
90°	4.6	5.7	6.3	7.4	8.0	9.1	9.7	10.3	10.8	11.4	12.5
92.5°	30.1	46.8	77.9	130.2	186.9	183.9	148.9	101.1	73.4	55.2	46.8
95°	42.8	68.5	129.5	255.0	412.4	505.4	494.6	410.1	323.4	253.3	205.4
97.5°	52.7	71.2	111.6	203.5	368.3	539.7	625.8	610.8	550.0	481.7	415.0
100°	60.5	77.6	110.7	184.8	328.6	515.1	657.7	701.6	673.7	614.9	555.6
102.5°	68.7	85.3	114.8	177.1	298.4	471.7	638.5	732.2	749.4	721.2	681.1
105°	82.1	98.1	123.2	174.0	269.2	413.6	577.3	714.2	792.3	817.4	811.1
107.5°	97.1	111.5	135.8	179.2	256.9	373.5	514.8	649.8	754.1	818.6	848.3
110°	106.7	121.5	144.9	184.2	253.3	354.8	479.2	602.4	710.8	791.2	839.7



TEST NUMBER: P333126

CATALOG NUMBER: S125DIP-S375D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	116.7	131.1	153.6	190.6	253.3	343.9	452.7	565.0	667.9	749.2	806.4
115°	131.8	146.0	167.1	200.2	255.0	332.0	423.8	517.9	606.4	684.5	746.7
117.5°	147.3	161.1	181.1	211.2	258.7	326.2	406.6	487.6	563.8	631.1	688.2
120°	156.9	171.1	191.1	218.5	262.4	323.4	397.0	471.2	539.6	602.4	652.6
122.5°	166.5	180.7	200.7	226.7	265.6	321.2	388.8	458.9	522.3	578.2	625.2
125°	179.7	194.5	213.3	237.9	271.0	318.3	377.6	440.9	499.1	548.8	589.8
127.5°	192.6	207.4	225.5	248.1	277.0	316.9	367.4	422.7	477.0	523.3	561.8
130°	200.8	215.6	233.3	255.0	280.7	316.0	360.5	411.3	461.5	506.0	543.0
132.5°	208.1	222.9	240.6	260.9	284.8	316.0	355.0	399.9	446.9	487.3	523.0
135°	217.3	232.7	250.4	269.2	290.3	316.0	348.5	385.0	424.4	460.9	493.4
137.5°	225.4	241.3	257.4	275.4	295.5	316.7	342.7	372.5	404.3	434.7	462.3
140°	230.5	245.9	262.4	279.5	297.8	317.2	340.0	365.6	392.5	418.7	442.7
142.5°	235.5	250.0	265.6	281.8	299.1	317.6	337.7	359.7	382.4	405.0	425.8
145°	243.0	256.1	271.0	285.2	300.6	317.2	334.3	352.0	369.6	387.3	402.7
147.5°	249.8	261.4	274.4	287.3	301.2	315.7	330.7	344.7	359.0	372.6	384.2
150°	254.4	264.1	276.7	288.6	301.2	314.3	328.0	340.5	353.1	363.9	374.2
152.5°	258.5	267.3	278.9	289.5	300.7	312.5	324.8	336.0	347.2	357.1	365.1
155°	263.5	271.5	281.2	290.3	299.5	309.2	319.4	329.1	338.3	346.2	352.5
157.5°	268.8	274.8	283.2	290.9	298.0	305.7	314.4	322.3	329.8	336.0	340.9
160°	271.5	276.7	284.1	290.9	296.6	303.5	310.3	317.7	323.4	329.1	333.1
162.5°	274.3	278.5	285.0	290.5	295.3	300.7	306.7	312.7	318.0	322.7	326.3
165°	277.2	280.7	285.2	289.8	293.2	296.6	301.2	305.7	309.7	313.2	316.0
167.5°	279.3	281.4	285.2	288.4	290.0	292.6	295.8	299.1	301.8	304.4	306.4
170°	280.7	282.4	285.2	287.5	288.6	290.3	292.6	295.5	297.2	298.9	300.0
172.5°	281.6	282.4	284.8	286.6	286.8	287.6	289.4	291.4	293.1	294.3	295.0
175°	282.4	282.4	284.1	285.2	284.6	284.6	285.2	286.9	286.9	288.1	288.1
177.5°	282.5	282.5	283.4	283.8	282.9	282.9	283.4	283.8	284.3	284.3	284.3
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333126

CATALOG NUMBER: S125DIP-S375D590U835-4F0-1E-UDD-A4

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°	9.3	9.2	9.3	9.6	9.3	9.2	9.3	9.0	8.9	8.5	8.0
90°	12.5	12.5	13.1	13.1	13.1	12.5	12.5	12.5	11.4	10.8	10.3
92.5°	39.5	38.1	37.3	36.4	37.3	38.1	39.5	46.8	55.2	73.4	101.1
95°	164.9	147.7	143.2	134.1	143.2	147.7	164.9	205.4	253.3	323.4	410.1
97.5°	379.8	347.8	331.3	324.0	331.3	347.8	379.8	415.0	481.7	550.0	610.8
100°	516.2	475.2	454.1	444.9	454.1	475.2	516.2	555.6	614.9	673.7	701.6
102.5°	639.0	609.8	586.9	580.0	586.9	609.8	639.0	681.1	721.2	749.4	732.2
105°	792.9	774.1	762.7	755.8	762.7	774.1	792.9	811.1	817.4	792.3	714.2
107.5°	857.6	857.5	853.7	849.1	853.7	857.5	857.6	848.3	818.6	754.1	649.8
110°	865.3	876.2	880.2	880.2	880.2	876.2	865.3	839.7	791.2	710.8	602.4



TEST NUMBER: P333126

CATALOG NUMBER: S125DIP-S375D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	843.9	862.5	872.4	876.5	872.4	862.5	843.9	806.4	749.2	667.9	565.0
115°	791.2	818.6	834.5	842.0	834.5	818.6	791.2	746.7	684.5	606.4	517.9
117.5°	732.7	761.0	776.8	781.4	776.8	761.0	732.7	688.2	631.1	563.8	487.6
120°	694.8	722.2	737.6	742.1	737.6	722.2	694.8	652.6	602.4	539.6	471.2
122.5°	662.8	687.9	703.3	707.4	703.3	687.9	662.8	625.2	578.2	522.3	458.9
125°	621.8	645.2	657.7	663.4	657.7	645.2	621.8	589.8	548.8	499.1	440.9
127.5°	590.7	611.4	623.2	625.8	623.2	611.4	590.7	561.8	523.3	477.0	422.7
130°	571.6	590.4	601.8	605.2	601.8	590.4	571.6	543.0	506.0	461.5	411.3
132.5°	551.5	570.3	580.8	584.7	580.8	570.3	551.5	523.0	487.3	446.9	399.9
135°	518.5	537.3	547.6	551.0	547.6	537.3	518.5	493.4	460.9	424.4	385.0
137.5°	484.7	501.9	511.3	515.1	511.3	501.9	484.7	462.3	434.7	404.3	372.5
140°	463.8	478.6	487.1	490.0	487.1	478.6	463.8	442.7	418.7	392.5	365.6
142.5°	443.7	456.2	464.3	466.7	464.3	456.2	443.7	425.8	405.0	382.4	359.7
145°	416.4	426.1	432.4	434.7	432.4	426.1	416.4	402.7	387.3	369.6	352.0
147.5°	395.1	402.8	406.5	407.5	406.5	402.8	395.1	384.2	372.6	359.0	344.7
150°	382.8	389.6	391.9	392.5	391.9	389.6	382.8	374.2	363.9	353.1	340.5
152.5°	372.3	377.7	380.0	380.6	380.0	377.7	372.3	365.1	357.1	347.2	336.0
155°	358.2	362.2	363.9	364.5	363.9	362.2	358.2	352.5	346.2	338.3	329.1
157.5°	345.3	348.6	350.2	350.1	350.2	348.6	345.3	340.9	336.0	329.8	322.3
160°	337.1	340.0	341.1	340.5	341.1	340.0	337.1	333.1	329.1	323.4	317.7
162.5°	329.4	331.8	332.0	331.9	332.0	331.8	329.4	326.3	322.7	318.0	312.7
165°	318.3	319.4	319.4	319.4	319.4	319.4	318.3	316.0	313.2	309.7	305.7
167.5°	307.6	308.6	308.1	308.0	308.1	308.6	307.6	306.4	304.4	301.8	299.1
170°	301.2	301.8	301.8	301.2	301.8	301.8	301.2	300.0	298.9	297.2	295.5
172.5°	295.3	296.3	295.4	294.8	295.4	296.3	295.3	295.0	294.3	293.1	291.4
175°	288.1	288.6	287.5	286.9	287.5	288.6	288.1	288.1	288.1	286.9	286.9
177.5°	283.8	284.3	282.9	282.9	282.9	284.3	283.8	284.3	284.3	284.3	283.8
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333126

CATALOG NUMBER: S125DIP-S375D590U835-4F0-1E-UDD-A4

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°	7.1	7.2	6.6	6.5	6.1	6.1	5.5	5.1	4.7	4.7	5.1
90°	9.7	9.1	8.0	7.4	6.3	5.7	4.6	3.4	2.3	1.1	0.6
92.5°	148.9	183.9	186.9	130.2	77.9	46.8	30.1	20.3	13.2	8.4	7.0
95°	494.6	505.4	412.4	255.0	129.5	68.5	42.8	30.2	24.0	19.4	18.8
97.5°	625.8	539.7	368.3	203.5	111.6	71.2	52.7	41.4	35.1	31.9	31.3
100°	657.7	515.1	328.6	184.8	110.7	77.6	60.5	49.6	43.4	41.1	39.9
102.5°	638.5	471.7	298.4	177.1	114.8	85.3	68.7	58.8	52.0	50.2	49.5
105°	577.3	413.6	269.2	174.0	123.2	98.1	82.1	73.0	67.3	64.5	64.5
107.5°	514.8	373.5	256.9	179.2	135.8	111.5	97.1	87.6	82.9	80.2	79.1
110°	479.2	354.8	253.3	184.2	144.9	121.5	106.7	98.1	93.0	90.7	89.6



TEST NUMBER: P333126

CATALOG NUMBER: S125DIP-S375D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	452.7	343.9	253.3	190.6	153.6	131.1	116.7	108.2	103.0	101.2	100.1
115°	423.8	332.0	255.0	200.2	167.1	146.0	131.8	123.2	118.1	116.4	115.2
117.5°	406.6	326.2	258.7	211.2	181.1	161.1	147.3	137.6	132.5	130.6	128.9
120°	397.0	323.4	262.4	218.5	191.1	171.1	156.9	147.2	142.0	139.8	138.0
122.5°	388.8	321.2	265.6	226.7	200.7	180.7	166.5	155.8	150.7	148.9	147.6
125°	377.6	318.3	271.0	237.9	213.3	194.5	179.7	168.8	163.7	160.9	159.7
127.5°	367.4	316.9	277.0	248.1	225.5	207.4	192.6	181.1	174.6	170.9	169.2
130°	360.5	316.0	280.7	255.0	233.3	215.6	200.8	188.8	181.4	176.8	175.1
132.5°	355.0	316.0	284.8	260.9	240.6	222.9	208.1	195.7	187.3	181.9	179.7
135°	348.5	316.0	290.3	269.2	250.4	232.7	217.3	205.4	196.2	189.4	187.1
137.5°	342.7	316.7	295.5	275.4	257.4	241.3	225.4	213.7	204.6	198.2	196.5
140°	340.0	317.2	297.8	279.5	262.4	245.9	230.5	219.6	210.5	203.6	201.9
142.5°	337.7	317.6	299.1	281.8	265.6	250.0	235.5	225.1	216.0	209.6	208.3
145°	334.3	317.2	300.6	285.2	271.0	256.1	243.0	232.7	224.7	219.0	217.9
147.5°	330.7	315.7	301.2	287.3	274.4	261.4	249.8	240.9	233.5	228.6	227.9
150°	328.0	314.3	301.2	288.6	276.7	264.1	254.4	246.4	239.0	235.0	233.9
152.5°	324.8	312.5	300.7	289.5	278.9	267.3	258.5	251.0	244.5	240.9	240.3
155°	319.4	309.2	299.5	290.3	281.2	271.5	263.5	257.8	252.1	248.7	248.7
157.5°	314.4	305.7	298.0	290.9	283.2	274.8	268.8	263.8	258.9	256.1	256.2
160°	310.3	303.5	296.6	290.9	284.1	276.7	271.5	267.0	263.0	260.7	261.3
162.5°	306.7	300.7	295.3	290.5	285.0	278.5	274.3	270.6	267.1	264.8	265.4
165°	301.2	296.6	293.2	289.8	285.2	280.7	277.2	274.9	272.1	270.4	271.5
167.5°	295.8	292.6	290.0	288.4	285.2	281.4	279.3	277.7	276.1	275.1	275.6
170°	292.6	290.3	288.6	287.5	285.2	282.4	280.7	279.5	278.4	277.8	278.4
172.5°	289.4	287.6	286.8	286.6	284.8	282.4	281.6	280.9	279.7	279.2	280.2
175°	285.2	284.6	284.6	285.2	284.1	282.4	282.4	282.4	281.8	281.2	282.4
177.5°	283.4	282.9	282.9	283.8	283.4	282.5	282.5	282.9	282.5	282.5	283.4
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333126

CATALOG NUMBER: S125DIP-S375D590U835-4F0-1E-UDD-A4

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°	5.0	5.4	6.2	7.4	8.2	9.0	9.6	9.4	8.8	8.4	8.0
90°	1.1	2.3	3.4	4.6	5.7	6.3	7.4	8.0	9.1	9.7	10.3
92.5°	8.4	13.2	20.3	30.1	46.8	77.9	130.2	186.9	183.9	148.9	101.1
95°	19.4	24.0	30.2	42.8	68.5	129.5	255.0	412.4	505.4	494.6	410.1
97.5°	31.9	35.1	41.4	52.7	71.2	111.6	203.5	368.3	539.7	625.8	610.8
100°	41.1	43.4	49.6	60.5	77.6	110.7	184.8	328.6	515.1	657.7	701.6
102.5°	50.2	52.0	58.8	68.7	85.3	114.8	177.1	298.4	471.7	638.5	732.2
105°	64.5	67.3	73.0	82.1	98.1	123.2	174.0	269.2	413.6	577.3	714.2
107.5°	80.2	82.9	87.6	97.1	111.5	135.8	179.2	256.9	373.5	514.8	649.8
110°	90.7	93.0	98.1	106.7	121.5	144.9	184.2	253.3	354.8	479.2	602.4



TEST NUMBER: P333126

CATALOG NUMBER: S125DIP-S375D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	101.2	103.0	108.2	116.7	131.1	153.6	190.6	253.3	343.9	452.7	565.0
115°	116.4	118.1	123.2	131.8	146.0	167.1	200.2	255.0	332.0	423.8	517.9
117.5°	130.6	132.5	137.6	147.3	161.1	181.1	211.2	258.7	326.2	406.6	487.6
120°	139.8	142.0	147.2	156.9	171.1	191.1	218.5	262.4	323.4	397.0	471.2
122.5°	148.9	150.7	155.8	166.5	180.7	200.7	226.7	265.6	321.2	388.8	458.9
125°	160.9	163.7	168.8	179.7	194.5	213.3	237.9	271.0	318.3	377.6	440.9
127.5°	170.9	174.6	181.1	192.6	207.4	225.5	248.1	277.0	316.9	367.4	422.7
130°	176.8	181.4	188.8	200.8	215.6	233.3	255.0	280.7	316.0	360.5	411.3
132.5°	181.9	187.3	195.7	208.1	222.9	240.6	260.9	284.8	316.0	355.0	399.9
135°	189.4	196.2	205.4	217.3	232.7	250.4	269.2	290.3	316.0	348.5	385.0
137.5°	198.2	204.6	213.7	225.4	241.3	257.4	275.4	295.5	316.7	342.7	372.5
140°	203.6	210.5	219.6	230.5	245.9	262.4	279.5	297.8	317.2	340.0	365.6
142.5°	209.6	216.0	225.1	235.5	250.0	265.6	281.8	299.1	317.6	337.7	359.7
145°	219.0	224.7	232.7	243.0	256.1	271.0	285.2	300.6	317.2	334.3	352.0
147.5°	228.6	233.5	240.9	249.8	261.4	274.4	287.3	301.2	315.7	330.7	344.7
150°	235.0	239.0	246.4	254.4	264.1	276.7	288.6	301.2	314.3	328.0	340.5
152.5°	240.9	244.5	251.0	258.5	267.3	278.9	289.5	300.7	312.5	324.8	336.0
155°	248.7	252.1	257.8	263.5	271.5	281.2	290.3	299.5	309.2	319.4	329.1
157.5°	256.1	258.9	263.8	268.8	274.8	283.2	290.9	298.0	305.7	314.4	322.3
160°	260.7	263.0	267.0	271.5	276.7	284.1	290.9	296.6	303.5	310.3	317.7
162.5°	264.8	267.1	270.6	274.3	278.5	285.0	290.5	295.3	300.7	306.7	312.7
165°	270.4	272.1	274.9	277.2	280.7	285.2	289.8	293.2	296.6	301.2	305.7
167.5°	275.1	276.1	277.7	279.3	281.4	285.2	288.4	290.0	292.6	295.8	299.1
170°	277.8	278.4	279.5	280.7	282.4	285.2	287.5	288.6	290.3	292.6	295.5
172.5°	279.2	279.7	280.9	281.6	282.4	284.8	286.6	286.8	287.6	289.4	291.4
175°	281.2	281.8	282.4	282.4	282.4	284.1	285.2	284.6	284.6	285.2	286.9
177.5°	282.5	282.5	282.9	282.5	282.5	283.4	283.8	282.9	282.9	283.4	283.8
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333126

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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°	8.1	7.5	7.7	7.5	7.5	7.4	7.1
90°	10.8	11.4	12.5	12.5	12.5	13.1	13.1
92.5°	73.4	55.2	46.8	39.5	38.1	37.3	36.4
95°	323.4	253.3	205.4	164.9	147.7	143.2	134.1
97.5°	550.0	481.7	415.0	379.8	347.8	331.3	324.0
100°	673.7	614.9	555.6	516.2	475.2	454.1	444.9
102.5°	749.4	721.2	681.1	639.0	609.8	586.9	580.0
105°	792.3	817.4	811.1	792.9	774.1	762.7	755.8
107.5°	754.1	818.6	848.3	857.6	857.5	853.7	849.1
110°	710.8	791.2	839.7	865.3	876.2	880.2	880.2



TEST NUMBER: P333126

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	667.9	749.2	806.4	843.9	862.5	872.4	876.5
115°	606.4	684.5	746.7	791.2	818.6	834.5	842.0
117.5°	563.8	631.1	688.2	732.7	761.0	776.8	781.4
120°	539.6	602.4	652.6	694.8	722.2	737.6	742.1
122.5°	522.3	578.2	625.2	662.8	687.9	703.3	707.4
125°	499.1	548.8	589.8	621.8	645.2	657.7	663.4
127.5°	477.0	523.3	561.8	590.7	611.4	623.2	625.8
130°	461.5	506.0	543.0	571.6	590.4	601.8	605.2
132.5°	446.9	487.3	523.0	551.5	570.3	580.8	584.7
135°	424.4	460.9	493.4	518.5	537.3	547.6	551.0
137.5°	404.3	434.7	462.3	484.7	501.9	511.3	515.1
140°	392.5	418.7	442.7	463.8	478.6	487.1	490.0
142.5°	382.4	405.0	425.8	443.7	456.2	464.3	466.7
145°	369.6	387.3	402.7	416.4	426.1	432.4	434.7
147.5°	359.0	372.6	384.2	395.1	402.8	406.5	407.5
150°	353.1	363.9	374.2	382.8	389.6	391.9	392.5
152.5°	347.2	357.1	365.1	372.3	377.7	380.0	380.6
155°	338.3	346.2	352.5	358.2	362.2	363.9	364.5
157.5°	329.8	336.0	340.9	345.3	348.6	350.2	350.1
160°	323.4	329.1	333.1	337.1	340.0	341.1	340.5
162.5°	318.0	322.7	326.3	329.4	331.8	332.0	331.9
165°	309.7	313.2	316.0	318.3	319.4	319.4	319.4
167.5°	301.8	304.4	306.4	307.6	308.6	308.1	308.0
170°	297.2	298.9	300.0	301.2	301.8	301.8	301.2
172.5°	293.1	294.3	295.0	295.3	296.3	295.4	294.8
175°	286.9	288.1	288.1	288.1	288.6	287.5	286.9
177.5°	284.3	284.3	284.3	283.8	284.3	282.9	282.9
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9

(END OF REPORT)