

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: P333143-930

Luminaire Tested: **S125DIP-S375D1035U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333143-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D1035U930-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4173.3 lumens
Efficiency: N/A
Efficacy: 111.9 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: Semi-Indirect

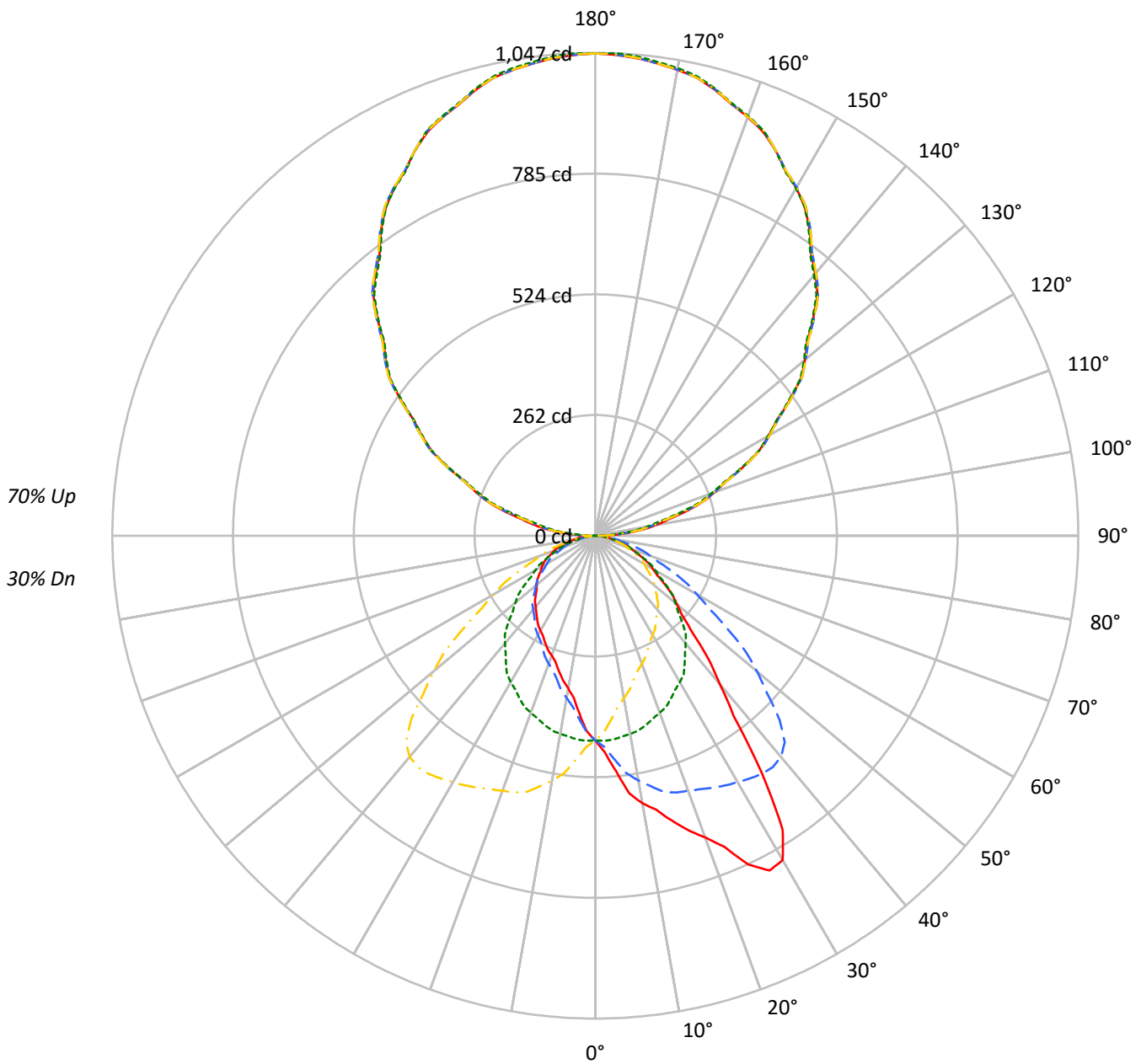
Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

Luminous Intensity Polar Plot



— 0°-180° — 45°-225° - - - 90°-270° - - - 135°-315°



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	38	38	38	30
1	93	89	86	82	84	80	77	74	63	61	59	48	47	45	34	33	32	26
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	28	27	22
3	78	69	62	56	69	62	56	51	49	45	42	37	35	32	26	25	23	18
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	26	24	21	19	18	14
6	60	48	41	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11
8	51	39	32	27	46	36	29	25	29	24	20	22	19	16	16	14	12	10
9	48	36	29	24	43	33	26	22	26	22	18	20	17	15	15	13	11	9
10	44	33	26	21	40	30	24	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2866	2866	2866	2866
5°	3319	2877	2519	2877
10°	3862	2861	2207	2861
15°	4275	2841	2035	2841
20°	4786	2808	1898	2808
25°	5606	2770	1831	2770
30°	6055	2732	1773	2732
35°	4978	2663	1735	2663
40°	3538	2566	1693	2566
45°	2719	2437	1669	2437
50°	2321	2275	1666	2275
55°	2066	2117	1680	2117
60°	1864	1944	1723	1944
65°	1722	1771	1768	1771
70°	1565	1590	1794	1590
75°	1382	1402	1777	1402
80°	1164	1142	1625	1142
85°	926	823	1312	823



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	1.0
10°-20°	127.2	3.0
20°-30°	206.6	4.9
30°-40°	252.0	6.0
40°-50°	229.2	5.5
50°-60°	182.6	4.4
60°-70°	127.2	3.0
70°-80°	67.8	1.6
80°-90°	19.4	0.5
90°-100°	70.1	1.7
100°-110°	206.9	5.0
110°-120°	350.4	8.4
120°-130°	461.1	11.0
130°-140°	516.7	12.4
140°-150°	506.4	12.1
150°-160°	425.3	10.2
160°-170°	282.7	6.8
170°-180°	98.9	2.4
0°-30°	376.5	9.0
0°-40°	628.5	15.1
0°-60°	1040.3	24.9
0°-90°	1254.7	30.1
90°-120°	627.3	15.0
90°-150°	2111.6	50.6
90°-180°	2919.0	69.9
0°-180°	4173.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	444	444	444	444	444	
5°	512	444	388	444	512	52
15°	639	425	304	425	639	183
25°	787	389	257	389	787	359
35°	631	338	220	338	631	386
45°	298	267	183	267	298	238
55°	184	188	149	188	184	165
65°	113	116	116	116	113	112
75°	55	56	71	56	55	60
85°	12	11	18	11	12	15
90°	20	1	20	1	20	12
95°	70	53	70	53	70	71
105°	202	186	202	186	202	214
115°	354	351	354	351	354	350
125°	515	512	515	512	515	460
135°	668	666	668	666	668	515
145°	810	807	810	807	810	506
155°	923	923	923	923	923	425
165°	1001	1004	1001	1004	1001	282
175°	1039	1044	1039	1044	1039	99
180°	1046	1046	1046	1046	1046	



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	469.4	468.9	468.2	467.1	468.0	465.4	464.2	462.1	459.5	458.6	457.5
5°	512.0	513.0	514.0	510.0	510.4	507.7	501.7	496.8	492.8	487.7	484.1
7.5°	563.3	561.1	560.8	558.3	553.9	550.3	544.0	536.0	528.2	519.3	511.9
10°	588.9	589.1	587.4	584.4	579.7	576.3	568.0	560.1	550.5	539.2	531.1
12.5°	608.2	609.0	606.8	602.8	600.5	592.9	586.4	577.0	565.6	556.5	544.2
15°	639.4	637.3	635.9	630.7	626.8	618.9	608.5	598.7	586.3	574.8	563.3
17.5°	669.4	671.2	668.3	663.7	651.3	642.1	628.3	614.8	599.3	583.9	570.2
20°	696.3	697.8	693.5	685.3	670.7	661.5	643.2	625.8	608.0	588.2	573.1
22.5°	729.8	728.6	722.7	710.4	697.7	680.6	660.8	639.7	617.3	594.9	574.9
25°	786.7	778.8	775.2	759.9	743.2	718.1	691.0	660.1	632.3	602.7	577.1
27.5°	818.3	815.8	811.8	801.2	783.6	756.8	724.8	687.1	647.8	610.5	576.9
30°	812.0	812.4	812.7	809.3	798.0	777.9	746.0	705.6	658.8	616.8	578.0
32.5°	755.9	762.7	769.3	777.1	780.2	776.3	756.4	719.8	671.7	624.0	577.4
35°	631.4	633.6	654.8	676.0	704.6	726.8	741.7	725.5	685.0	630.1	576.7
37.5°	492.4	502.6	517.3	541.1	582.4	619.5	667.1	688.9	675.9	632.2	575.4
40°	419.7	429.2	438.8	463.1	497.9	542.7	596.8	642.9	653.7	625.8	570.8
42.5°	363.7	371.1	381.8	400.1	429.2	468.9	520.6	580.9	618.0	607.5	561.3
45°	297.7	302.4	310.6	325.1	346.3	377.3	422.9	488.9	546.3	565.3	538.8
47.5°	254.8	254.8	261.2	271.2	286.4	312.8	346.6	398.2	459.6	505.0	502.9
50°	231.0	230.0	235.1	243.8	255.8	273.4	305.6	346.8	405.8	457.2	471.6
52.5°	210.4	210.6	213.7	220.1	230.2	245.2	269.2	306.5	356.8	409.6	436.6
55°	183.5	182.7	186.3	190.6	198.0	207.8	225.1	253.6	294.5	346.4	381.5
57.5°	158.7	160.9	162.2	165.3	171.4	178.0	192.6	213.4	245.9	290.5	327.5
60°	144.3	146.3	147.5	150.5	155.4	161.1	172.4	189.3	216.6	255.1	291.8
62.5°	131.3	133.0	133.4	136.1	140.1	145.5	154.4	168.7	190.3	223.9	259.8
65°	112.7	112.7	113.4	116.3	118.1	123.0	129.8	140.1	157.5	183.7	214.4
67.5°	94.7	95.6	95.4	96.6	98.3	102.2	107.0	115.5	128.4	147.5	172.1
70°	82.9	83.6	83.5	84.4	86.3	88.7	92.7	100.8	110.0	126.4	147.5
72.5°	72.3	72.6	72.2	73.4	74.5	76.6	81.1	85.4	94.0	107.9	125.2
75°	55.4	55.8	56.2	56.9	58.0	59.2	61.4	65.7	71.4	81.8	92.9
77.5°	41.5	40.8	41.7	41.6	42.2	43.1	45.1	47.4	52.0	58.6	67.2
80°	31.3	31.5	31.5	31.6	32.6	33.2	34.8	36.5	40.1	45.0	51.0
82.5°	22.8	23.3	23.0	23.4	24.1	24.5	25.5	26.9	28.9	32.9	37.2
85°	12.5	11.5	11.9	12.2	12.2	12.5	13.2	13.8	14.9	16.4	18.1
87.5°	7.5	7.7	7.7	7.7	7.7	7.6	8.0	7.8	8.1	8.3	8.6
90°	19.6	19.0	18.4	17.9	17.4	16.6	15.7	14.8	13.9	13.0	11.7
92.5°	38.4	38.0	37.6	37.3	36.9	36.0	34.8	33.7	32.4	31.2	29.7
95°	70.0	69.6	69.3	68.9	68.6	67.8	66.4	65.2	63.9	62.7	60.9
97.5°	106.2	105.9	105.7	105.5	105.3	104.6	103.4	102.2	101.0	99.8	97.3
100°	133.5	133.1	132.7	132.4	132.1	131.0	129.4	127.8	126.1	124.5	122.2
102.5°	160.9	160.4	159.8	159.3	158.8	157.7	155.9	154.1	152.4	150.6	149.4
105°	201.9	201.3	200.8	200.2	199.7	198.9	197.8	196.7	195.6	194.5	193.5
107.5°	243.9	243.9	243.9	243.9	244.0	243.8	243.2	242.6	242.1	241.6	240.8
110°	275.1	275.3	275.5	275.7	275.8	275.7	275.1	274.6	274.0	273.5	273.0



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	305.7	306.1	306.4	306.7	307.0	307.0	306.8	306.6	306.3	306.1	305.3
115°	354.1	354.2	354.4	354.6	354.8	355.0	355.1	355.3	355.6	355.7	355.3
117.5°	401.3	402.0	402.8	403.4	404.1	404.5	404.3	404.1	404.1	403.9	403.6
120°	433.8	434.6	435.3	436.0	436.8	437.1	437.1	437.1	437.1	437.1	436.9
122.5°	466.4	467.0	467.6	468.1	468.7	469.0	469.2	469.4	469.5	469.6	469.2
125°	515.3	515.4	515.6	515.8	515.9	516.2	516.6	517.0	517.3	517.7	517.5
127.5°	562.1	562.5	562.8	563.2	563.5	563.9	564.0	564.2	564.4	564.6	564.4
130°	593.4	593.7	594.1	594.4	594.8	595.1	595.3	595.4	595.7	595.8	595.4
132.5°	622.6	623.2	623.7	624.2	624.7	625.0	625.3	625.4	625.6	625.7	625.8
135°	668.2	669.0	669.7	670.4	671.2	671.5	671.5	671.5	671.5	671.5	671.3
137.5°	712.9	713.8	714.7	715.6	716.5	716.8	716.6	716.4	716.2	715.9	715.6
140°	741.5	742.4	743.3	744.2	745.1	745.4	745.0	744.7	744.3	744.0	743.4
142.5°	768.8	769.8	770.7	771.6	772.5	772.8	772.6	772.4	772.2	771.9	771.3
145°	809.9	810.4	811.0	811.5	812.0	812.4	812.4	812.4	812.4	812.4	811.8
147.5°	844.9	846.1	847.3	848.6	849.8	850.2	849.8	849.3	848.9	848.5	848.0
150°	870.9	871.3	871.6	872.0	872.4	872.5	872.5	872.5	872.5	872.5	871.8
152.5°	892.4	893.1	893.7	894.4	895.0	895.1	894.7	894.3	893.8	893.4	893.1
155°	923.0	923.9	924.8	925.8	926.7	926.8	926.0	925.3	924.5	923.8	923.7
157.5°	948.6	949.7	951.0	952.2	953.3	953.6	952.8	952.1	951.5	950.7	950.6
160°	966.1	967.1	968.0	968.9	969.8	969.9	969.1	968.4	967.7	966.9	966.8
162.5°	981.1	982.2	983.3	984.3	985.4	985.5	984.6	983.7	982.8	981.9	981.9
165°	1001.2	1002.2	1003.3	1004.4	1005.5	1005.7	1004.9	1004.2	1003.6	1002.8	1002.6
167.5°	1017.1	1018.2	1019.4	1020.5	1021.6	1021.7	1020.5	1019.5	1018.4	1017.2	1017.2
170°	1025.6	1026.9	1028.1	1029.4	1030.6	1030.7	1029.6	1028.6	1027.5	1026.4	1026.4
172.5°	1032.7	1033.9	1035.0	1036.1	1037.2	1037.2	1036.2	1035.1	1034.0	1032.9	1032.9
175°	1039.4	1040.6	1042.0	1043.3	1044.5	1044.6	1043.5	1042.4	1041.3	1040.2	1040.2
177.5°	1043.3	1044.3	1045.4	1046.4	1047.4	1047.4	1046.6	1045.7	1044.9	1044.0	1044.2
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	456.6	455.6	454.4	452.2	449.7	448.3	446.3	444.9	442.2	439.9	437.5
5°	479.8	474.9	470.4	464.6	458.2	454.0	449.1	443.7	438.0	432.2	425.7
7.5°	503.9	495.1	485.8	475.6	465.7	456.6	447.8	439.4	431.4	421.7	413.5
10°	519.9	509.0	497.3	483.6	470.2	458.5	446.7	436.3	425.7	414.5	404.5
12.5°	536.1	521.5	505.0	489.9	473.9	459.7	445.8	432.5	419.3	406.8	395.1
15°	547.5	534.7	519.4	497.9	479.8	460.4	442.0	424.9	408.8	394.8	380.2
17.5°	555.0	538.4	522.0	501.5	477.8	456.1	435.1	415.5	397.5	379.8	365.7
20°	556.3	539.3	522.2	502.1	477.8	452.9	431.9	408.5	389.1	370.7	353.4
22.5°	555.9	536.6	518.0	497.3	473.5	450.6	425.3	401.4	380.3	362.3	344.2
25°	551.6	531.1	507.7	486.8	463.4	439.1	413.5	388.7	367.2	346.7	328.7
27.5°	548.0	521.5	495.0	470.6	448.0	425.7	401.2	375.8	352.0	331.2	314.3
30°	543.7	514.5	484.7	459.3	436.1	414.5	391.3	366.4	341.5	321.2	303.1
32.5°	539.8	505.7	474.3	446.6	422.1	401.0	379.7	356.0	331.6	311.0	292.9
35°	532.2	492.8	456.8	425.6	399.4	377.7	359.8	337.8	315.4	295.4	278.1
37.5°	522.6	475.9	437.2	404.5	375.8	352.9	336.3	319.4	297.8	278.6	262.9
40°	515.0	463.8	422.9	389.4	359.6	335.9	320.4	304.4	286.6	268.6	252.1
42.5°	505.6	453.0	408.5	372.3	342.9	319.8	303.5	290.0	274.2	257.5	242.1
45°	488.1	433.3	385.1	346.3	316.5	293.7	277.0	266.8	254.9	239.0	226.1
47.5°	462.4	409.7	359.8	319.8	289.0	267.9	252.2	242.4	234.1	222.3	210.5
50°	439.7	392.1	341.5	301.8	271.1	249.8	235.3	226.4	219.3	210.3	200.2
52.5°	414.3	369.9	323.6	284.3	253.9	232.9	218.7	210.9	205.0	198.5	188.7
55°	373.7	336.1	293.1	255.8	227.8	207.2	194.8	188.0	183.1	178.2	172.2
57.5°	329.2	299.7	261.7	227.6	201.7	183.0	171.5	164.9	161.0	158.5	155.0
60°	297.8	272.6	239.9	208.7	183.5	166.9	155.6	150.5	147.3	145.3	142.6
62.5°	268.7	248.0	217.7	189.3	167.2	151.6	141.5	136.5	133.5	132.4	130.3
65°	225.9	209.9	184.8	161.3	142.4	129.1	120.6	115.9	114.0	112.8	113.0
67.5°	183.6	173.9	153.8	133.7	118.6	107.5	100.6	97.0	96.0	94.6	94.6
70°	157.8	150.5	133.5	116.0	102.6	94.0	88.0	84.2	83.2	82.5	82.3
72.5°	135.1	128.7	114.0	100.0	87.9	80.3	75.3	73.1	71.5	71.1	71.0
75°	101.5	98.0	86.3	75.2	66.9	61.6	58.2	56.2	55.0	54.8	55.0
77.5°	72.2	69.1	61.6	53.7	48.5	44.5	41.7	40.9	39.7	39.7	39.5
80°	54.2	52.2	47.5	41.3	36.9	33.5	32.0	30.7	30.3	29.8	30.3
82.5°	39.3	37.1	33.9	29.9	26.3	24.4	22.8	22.4	22.2	21.9	22.0
85°	19.4	19.6	17.7	14.7	13.2	12.1	11.1	11.1	10.9	10.8	10.9
87.5°	8.7	8.2	7.3	6.6	5.5	4.8	4.4	4.2	4.1	4.2	4.6
90°	10.5	9.2	8.0	6.6	5.1	3.7	2.3	0.8	2.3	3.7	5.1
92.5°	28.1	26.6	25.0	23.7	22.7	21.7	20.7	19.7	20.7	21.7	22.7
95°	59.0	57.2	55.4	54.4	54.0	53.6	53.2	52.9	53.2	53.6	54.0
97.5°	94.8	92.3	89.8	88.5	88.4	88.2	88.1	87.9	88.1	88.2	88.4
100°	119.8	117.5	115.1	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0
102.5°	148.2	147.0	145.8	144.9	144.1	143.4	142.7	141.9	142.7	143.4	144.1
105°	192.3	191.3	190.2	189.2	188.3	187.4	186.5	185.6	186.5	187.4	188.3
107.5°	239.9	239.0	238.2	237.4	236.5	235.5	234.6	233.7	234.6	235.5	236.5
110°	272.4	271.8	271.3	270.6	269.7	268.8	267.9	267.0	267.9	268.8	269.7



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	304.7	304.0	303.3	302.7	302.2	301.7	301.3	300.8	301.3	301.7	302.2
115°	355.0	354.6	354.2	353.7	353.0	352.3	351.6	350.8	351.6	352.3	353.0
117.5°	403.2	402.9	402.6	402.3	401.9	401.6	401.3	401.0	401.3	401.6	401.9
120°	436.8	436.5	436.3	435.9	435.0	434.0	433.1	432.2	433.1	434.0	435.0
122.5°	468.7	468.2	467.7	467.4	467.1	466.8	466.4	466.1	466.4	466.8	467.1
125°	517.3	517.1	517.0	516.3	515.3	514.1	513.1	512.0	513.1	514.1	515.3
127.5°	564.1	563.9	563.7	563.3	562.6	562.1	561.4	560.8	561.4	562.1	562.6
130°	595.1	594.8	594.4	593.7	592.8	591.9	591.0	590.1	591.0	591.9	592.8
132.5°	625.9	626.0	626.1	625.3	623.9	622.4	620.9	619.4	620.9	622.4	623.9
135°	671.2	671.0	670.8	670.2	669.0	668.0	666.9	665.9	666.9	668.0	669.0
137.5°	715.2	714.8	714.4	713.6	712.6	711.5	710.5	709.5	710.5	711.5	712.6
140°	742.9	742.3	741.8	741.0	740.1	739.2	738.3	737.4	738.3	739.2	740.1
142.5°	770.6	769.9	769.2	768.5	767.7	767.0	766.2	765.4	766.2	767.0	767.7
145°	811.2	810.7	810.2	809.5	808.8	808.0	807.4	806.7	807.4	808.0	808.8
147.5°	847.6	847.2	846.8	846.3	846.0	845.5	845.1	844.7	845.1	845.5	846.0
150°	871.1	870.4	869.7	869.4	869.6	869.8	869.9	870.1	869.9	869.8	869.6
152.5°	892.8	892.5	892.3	891.9	891.7	891.4	891.2	891.0	891.2	891.4	891.7
155°	923.5	923.3	923.1	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0
157.5°	950.3	950.1	950.0	950.1	950.5	950.9	951.3	951.7	951.3	950.9	950.5
160°	966.6	966.5	966.3	966.5	966.9	967.5	968.1	968.6	968.1	967.5	966.9
162.5°	981.9	981.9	981.8	982.0	982.4	982.8	983.2	983.6	983.2	982.8	982.4
165°	1002.4	1002.2	1002.1	1002.2	1002.5	1002.9	1003.2	1003.6	1003.2	1002.9	1002.5
167.5°	1017.2	1017.2	1017.2	1017.7	1018.4	1019.1	1019.8	1020.5	1019.8	1019.1	1018.4
170°	1026.4	1026.4	1026.4	1026.8	1027.5	1028.2	1028.9	1029.6	1028.9	1028.2	1027.5
172.5°	1032.9	1032.9	1032.9	1033.3	1034.0	1034.7	1035.4	1036.2	1035.4	1034.7	1034.0
175°	1040.2	1040.2	1040.2	1040.6	1041.3	1042.0	1042.8	1043.5	1042.8	1042.0	1041.3
177.5°	1044.2	1044.4	1044.6	1044.9	1045.5	1046.1	1046.7	1047.3	1046.7	1046.1	1045.5
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	436.2	434.5	433.2	430.2	428.4	426.2	424.4	426.4	424.3	425.2	423.8
5°	422.6	417.3	413.5	408.1	403.3	399.0	395.8	395.3	393.7	393.0	390.7
7.5°	406.2	399.6	393.1	386.0	379.9	373.8	369.9	366.6	364.5	361.7	359.7
10°	396.6	387.7	380.2	371.5	363.9	357.3	352.1	349.4	347.0	343.4	342.1
12.5°	384.7	375.5	366.3	357.0	349.8	342.4	337.9	333.9	332.2	328.2	327.8
15°	370.4	356.6	347.6	338.2	328.2	322.1	318.4	314.1	312.2	309.3	307.3
17.5°	353.4	341.0	329.8	320.0	311.4	306.4	301.7	298.7	295.5	293.6	290.2
20°	341.0	329.3	318.0	307.6	301.0	295.2	291.5	288.6	285.2	284.3	280.9
22.5°	330.6	317.7	306.9	298.2	291.0	284.4	280.3	278.3	276.1	273.1	272.5
25°	313.6	300.3	291.1	282.4	276.0	269.9	267.2	264.7	262.4	260.3	259.6
27.5°	299.1	287.1	276.1	268.3	262.7	257.2	254.8	251.8	250.1	248.4	246.4
30°	288.8	276.5	266.9	259.4	253.4	248.5	245.8	243.8	242.3	240.8	239.6
32.5°	278.3	266.9	257.6	250.2	244.2	240.5	238.1	236.7	235.1	233.3	231.8
35°	264.3	251.8	242.8	236.4	231.7	228.9	226.2	224.9	223.1	223.1	221.5
37.5°	248.6	237.8	229.8	224.0	219.8	217.3	214.4	213.5	212.3	211.5	211.0
40°	239.3	229.3	221.8	215.9	211.4	209.3	207.0	205.5	204.8	203.8	203.5
42.5°	229.6	220.0	212.9	207.5	203.5	201.8	199.7	198.6	197.1	195.8	195.6
45°	214.9	205.7	199.1	194.8	191.4	189.3	188.0	185.7	185.0	183.5	183.3
47.5°	201.1	192.2	185.7	182.1	179.2	177.5	175.5	173.2	172.3	171.5	171.5
50°	190.6	182.5	176.5	173.2	170.3	167.9	165.8	164.3	163.7	163.7	164.1
52.5°	180.1	173.2	168.1	164.0	161.3	158.7	156.7	155.8	155.0	155.9	156.5
55°	164.7	157.7	153.9	149.9	147.3	144.3	143.3	143.0	142.4	143.9	144.7
57.5°	148.3	143.4	139.0	135.1	132.7	130.9	129.7	129.5	130.5	131.3	133.7
60°	137.9	132.2	128.3	125.3	122.5	121.3	120.9	120.6	121.3	123.4	126.6
62.5°	126.5	121.9	117.6	115.4	113.2	111.4	111.3	111.5	113.0	115.4	118.6
65°	109.7	105.7	102.9	100.2	98.5	97.4	97.8	98.5	100.2	103.5	107.0
67.5°	92.5	89.8	87.3	85.2	83.6	83.6	84.0	85.1	87.1	90.7	94.0
70°	81.6	78.6	76.5	75.6	74.2	73.5	74.6	76.5	78.2	81.6	84.4
72.5°	70.6	68.0	66.4	65.7	65.1	64.6	65.0	67.0	69.3	72.6	76.0
75°	54.2	53.3	52.2	51.4	50.9	51.3	51.6	53.5	55.4	58.9	62.7
77.5°	39.6	38.6	37.9	37.7	37.4	37.7	38.7	40.1	41.9	44.5	47.4
80°	29.9	29.6	29.2	29.0	29.0	29.2	30.7	31.6	33.3	35.8	38.1
82.5°	21.9	21.6	21.5	21.4	21.6	21.7	22.6	23.8	25.2	27.1	29.0
85°	11.5	11.1	11.7	11.9	11.5	12.1	12.5	13.2	13.8	14.7	15.7
87.5°	5.1	5.6	5.8	6.2	6.4	7.0	7.0	7.8	8.2	8.7	8.7
90°	6.6	8.0	9.2	10.5	11.7	13.0	13.9	14.8	15.7	16.6	17.4
92.5°	23.7	25.0	26.6	28.1	29.7	31.2	32.4	33.7	34.8	36.0	36.9
95°	54.4	55.4	57.2	59.0	60.9	62.7	63.9	65.2	66.4	67.8	68.6
97.5°	88.5	89.8	92.3	94.8	97.3	99.8	101.0	102.2	103.4	104.6	105.3
100°	114.0	115.1	117.5	119.8	122.2	124.5	126.1	127.8	129.4	131.0	132.1
102.5°	144.9	145.8	147.0	148.2	149.4	150.6	152.4	154.1	155.9	157.7	158.8
105°	189.2	190.2	191.3	192.3	193.5	194.5	195.6	196.7	197.8	198.9	199.7
107.5°	237.4	238.2	239.0	239.9	240.8	241.6	242.1	242.6	243.2	243.8	244.0
110°	270.6	271.3	271.8	272.4	273.0	273.5	274.0	274.6	275.1	275.7	275.8



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	302.7	303.3	304.0	304.7	305.3	306.1	306.3	306.6	306.8	307.0	307.0
115°	353.7	354.2	354.6	355.0	355.3	355.7	355.6	355.3	355.1	355.0	354.8
117.5°	402.3	402.6	402.9	403.2	403.6	403.9	404.1	404.1	404.3	404.5	404.1
120°	435.9	436.3	436.5	436.8	436.9	437.1	437.1	437.1	437.1	437.1	436.8
122.5°	467.4	467.7	468.2	468.7	469.2	469.6	469.5	469.4	469.2	469.0	468.7
125°	516.3	517.0	517.1	517.3	517.5	517.7	517.3	517.0	516.6	516.2	515.9
127.5°	563.3	563.7	563.9	564.1	564.4	564.6	564.4	564.2	564.0	563.9	563.5
130°	593.7	594.4	594.8	595.1	595.4	595.8	595.7	595.4	595.3	595.1	594.8
132.5°	625.3	626.1	626.0	625.9	625.8	625.7	625.6	625.4	625.3	625.0	624.7
135°	670.2	670.8	671.0	671.2	671.3	671.5	671.5	671.5	671.5	671.5	671.2
137.5°	713.6	714.4	714.8	715.2	715.6	715.9	716.2	716.4	716.6	716.8	716.5
140°	741.0	741.8	742.3	742.9	743.4	744.0	744.3	744.7	745.0	745.4	745.1
142.5°	768.5	769.2	769.9	770.6	771.3	771.9	772.2	772.4	772.6	772.8	772.5
145°	809.5	810.2	810.7	811.2	811.8	812.4	812.4	812.4	812.4	812.4	812.0
147.5°	846.3	846.8	847.2	847.6	848.0	848.5	848.9	849.3	849.8	850.2	849.8
150°	869.4	869.7	870.4	871.1	871.8	872.5	872.5	872.5	872.5	872.5	872.4
152.5°	891.9	892.3	892.5	892.8	893.1	893.4	893.8	894.3	894.7	895.1	895.0
155°	923.0	923.1	923.3	923.5	923.7	923.8	924.5	925.3	926.0	926.8	926.7
157.5°	950.1	950.0	950.1	950.3	950.6	950.7	951.5	952.1	952.8	953.6	953.3
160°	966.5	966.3	966.5	966.6	966.8	966.9	967.7	968.4	969.1	969.9	969.8
162.5°	982.0	981.8	981.9	981.9	981.9	981.9	982.8	983.7	984.6	985.5	985.4
165°	1002.2	1002.1	1002.2	1002.4	1002.6	1002.8	1003.6	1004.2	1004.9	1005.7	1005.5
167.5°	1017.7	1017.2	1017.2	1017.2	1017.2	1017.2	1018.4	1019.5	1020.5	1021.7	1021.6
170°	1026.8	1026.4	1026.4	1026.4	1026.4	1026.4	1027.5	1028.6	1029.6	1030.7	1030.6
172.5°	1033.3	1032.9	1032.9	1032.9	1032.9	1032.9	1034.0	1035.1	1036.2	1037.2	1037.2
175°	1040.6	1040.2	1040.2	1040.2	1040.2	1040.2	1041.3	1042.4	1043.5	1044.6	1044.5
177.5°	1044.9	1044.6	1044.4	1044.2	1044.2	1044.0	1044.9	1045.7	1046.6	1047.4	1047.4
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	422.9	424.0	423.1	424.3	423.1	424.0	422.9	423.8	425.2	424.3	426.4
5°	389.8	388.1	389.2	388.5	389.2	388.1	389.8	390.7	393.0	393.7	395.3
7.5°	359.2	357.6	355.7	354.8	355.7	357.6	359.2	359.7	361.7	364.5	366.6
10°	340.1	337.9	337.8	336.5	337.8	337.9	340.1	342.1	343.4	347.0	349.4
12.5°	326.0	324.1	322.0	321.4	322.0	324.1	326.0	327.8	328.2	332.2	333.9
15°	306.1	304.6	303.3	304.4	303.3	304.6	306.1	307.3	309.3	312.2	314.1
17.5°	289.6	288.4	288.1	286.7	288.1	288.4	289.6	290.2	293.6	295.5	298.7
20°	279.2	278.3	278.7	276.1	278.7	278.3	279.2	280.9	284.3	285.2	288.6
22.5°	270.9	269.0	268.8	268.3	268.8	269.0	270.9	272.5	273.1	276.1	278.3
25°	257.9	257.0	256.0	257.0	256.0	257.0	257.9	259.6	260.3	262.4	264.7
27.5°	246.5	245.4	245.2	245.3	245.2	245.4	246.5	246.4	248.4	250.1	251.8
30°	239.6	237.7	237.9	237.7	237.9	237.7	239.6	239.6	240.8	242.3	243.8
32.5°	232.1	230.8	230.6	230.2	230.6	230.8	232.1	231.8	233.3	235.1	236.7
35°	220.9	220.9	220.0	220.0	220.0	220.9	220.9	221.5	223.1	223.1	224.9
37.5°	210.5	210.3	209.8	209.9	209.8	210.3	210.5	211.0	211.5	212.3	213.5
40°	202.7	202.5	201.9	200.8	201.9	202.5	202.7	203.5	203.8	204.8	205.5
42.5°	195.2	194.5	194.3	193.9	194.3	194.5	195.2	195.6	195.8	197.1	198.6
45°	183.3	183.3	183.0	182.7	183.0	183.3	183.3	183.3	183.5	185.0	185.7
47.5°	171.8	172.1	172.8	172.7	172.8	172.1	171.8	171.5	171.5	172.3	173.2
50°	164.9	165.0	165.6	165.8	165.6	165.0	164.9	164.1	163.7	163.7	164.3
52.5°	157.2	158.2	159.0	158.8	159.0	158.2	157.2	156.5	155.9	155.0	155.8
55°	146.3	147.7	149.0	149.2	149.0	147.7	146.3	144.7	143.9	142.4	143.0
57.5°	135.7	137.5	138.9	139.4	138.9	137.5	135.7	133.7	131.3	130.5	129.5
60°	128.5	130.9	132.6	133.4	132.6	130.9	128.5	126.6	123.4	121.3	120.6
62.5°	121.6	124.3	126.0	126.1	126.0	124.3	121.6	118.6	115.4	113.0	111.5
65°	110.2	113.0	114.5	115.7	114.5	113.0	110.2	107.0	103.5	100.2	98.5
67.5°	98.0	100.9	102.5	103.4	102.5	100.9	98.0	94.0	90.7	87.1	85.1
70°	89.1	92.0	94.2	95.0	94.2	92.0	89.1	84.4	81.6	78.2	76.5
72.5°	80.4	82.9	84.7	85.6	84.7	82.9	80.4	76.0	72.6	69.3	67.0
75°	65.1	68.6	70.3	71.2	70.3	68.6	65.1	62.7	58.9	55.4	53.5
77.5°	50.2	53.3	54.4	54.9	54.4	53.3	50.2	47.4	44.5	41.9	40.1
80°	40.3	42.2	43.5	43.7	43.5	42.2	40.3	38.1	35.8	33.3	31.6
82.5°	31.0	32.5	32.9	33.4	32.9	32.5	31.0	29.0	27.1	25.2	23.8
85°	17.0	17.7	17.9	17.7	17.9	17.7	17.0	15.7	14.7	13.8	13.2
87.5°	9.1	9.1	9.2	9.6	9.2	9.1	9.1	8.7	8.7	8.2	7.8
90°	17.9	18.4	19.0	19.6	19.0	18.4	17.9	17.4	16.6	15.7	14.8
92.5°	37.3	37.6	38.0	38.4	38.0	37.6	37.3	36.9	36.0	34.8	33.7
95°	68.9	69.3	69.6	70.0	69.6	69.3	68.9	68.6	67.8	66.4	65.2
97.5°	105.5	105.7	105.9	106.2	105.9	105.7	105.5	105.3	104.6	103.4	102.2
100°	132.4	132.7	133.1	133.5	133.1	132.7	132.4	132.1	131.0	129.4	127.8
102.5°	159.3	159.8	160.4	160.9	160.4	159.8	159.3	158.8	157.7	155.9	154.1
105°	200.2	200.8	201.3	201.9	201.3	200.8	200.2	199.7	198.9	197.8	196.7
107.5°	243.9	243.9	243.9	243.9	243.9	243.9	243.9	244.0	243.8	243.2	242.6
110°	275.7	275.5	275.3	275.1	275.3	275.5	275.7	275.8	275.7	275.1	274.6



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	306.7	306.4	306.1	305.7	306.1	306.4	306.7	307.0	307.0	306.8	306.6
115°	354.6	354.4	354.2	354.1	354.2	354.4	354.6	354.8	355.0	355.1	355.3
117.5°	403.4	402.8	402.0	401.3	402.0	402.8	403.4	404.1	404.5	404.3	404.1
120°	436.0	435.3	434.6	433.8	434.6	435.3	436.0	436.8	437.1	437.1	437.1
122.5°	468.1	467.6	467.0	466.4	467.0	467.6	468.1	468.7	469.0	469.2	469.4
125°	515.8	515.6	515.4	515.3	515.4	515.6	515.8	515.9	516.2	516.6	517.0
127.5°	563.2	562.8	562.5	562.1	562.5	562.8	563.2	563.5	563.9	564.0	564.2
130°	594.4	594.1	593.7	593.4	593.7	594.1	594.4	594.8	595.1	595.3	595.4
132.5°	624.2	623.7	623.2	622.6	623.2	623.7	624.2	624.7	625.0	625.3	625.4
135°	670.4	669.7	669.0	668.2	669.0	669.7	670.4	671.2	671.5	671.5	671.5
137.5°	715.6	714.7	713.8	712.9	713.8	714.7	715.6	716.5	716.8	716.6	716.4
140°	744.2	743.3	742.4	741.5	742.4	743.3	744.2	745.1	745.4	745.0	744.7
142.5°	771.6	770.7	769.8	768.8	769.8	770.7	771.6	772.5	772.8	772.6	772.4
145°	811.5	811.0	810.4	809.9	810.4	811.0	811.5	812.0	812.4	812.4	812.4
147.5°	848.6	847.3	846.1	844.9	846.1	847.3	848.6	849.8	850.2	849.8	849.3
150°	872.0	871.6	871.3	870.9	871.3	871.6	872.0	872.4	872.5	872.5	872.5
152.5°	894.4	893.7	893.1	892.4	893.1	893.7	894.4	895.0	895.1	894.7	894.3
155°	925.8	924.8	923.9	923.0	923.9	924.8	925.8	926.7	926.8	926.0	925.3
157.5°	952.2	951.0	949.7	948.6	949.7	951.0	952.2	953.3	953.6	952.8	952.1
160°	968.9	968.0	967.1	966.1	967.1	968.0	968.9	969.8	969.9	969.1	968.4
162.5°	984.3	983.3	982.2	981.1	982.2	983.3	984.3	985.4	985.5	984.6	983.7
165°	1004.4	1003.3	1002.2	1001.2	1002.2	1003.3	1004.4	1005.5	1005.7	1004.9	1004.2
167.5°	1020.5	1019.4	1018.2	1017.1	1018.2	1019.4	1020.5	1021.6	1021.7	1020.5	1019.5
170°	1029.4	1028.1	1026.9	1025.6	1026.9	1028.1	1029.4	1030.6	1030.7	1029.6	1028.6
172.5°	1036.1	1035.0	1033.9	1032.7	1033.9	1035.0	1036.1	1037.2	1037.2	1036.2	1035.1
175°	1043.3	1042.0	1040.6	1039.4	1040.6	1042.0	1043.3	1044.5	1044.6	1043.5	1042.4
177.5°	1046.4	1045.4	1044.3	1043.3	1044.3	1045.4	1046.4	1047.4	1047.4	1046.6	1045.7
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	424.4	426.2	428.4	430.2	433.2	434.5	436.2	437.5	439.9	442.2	444.9
5°	395.8	399.0	403.3	408.1	413.5	417.3	422.6	425.7	432.2	438.0	443.7
7.5°	369.9	373.8	379.9	386.0	393.1	399.6	406.2	413.5	421.7	431.4	439.4
10°	352.1	357.3	363.9	371.5	380.2	387.7	396.6	404.5	414.5	425.7	436.3
12.5°	337.9	342.4	349.8	357.0	366.3	375.5	384.7	395.1	406.8	419.3	432.5
15°	318.4	322.1	328.2	338.2	347.6	356.6	370.4	380.2	394.8	408.8	424.9
17.5°	301.7	306.4	311.4	320.0	329.8	341.0	353.4	365.7	379.8	397.5	415.5
20°	291.5	295.2	301.0	307.6	318.0	329.3	341.0	353.4	370.7	389.1	408.5
22.5°	280.3	284.4	291.0	298.2	306.9	317.7	330.6	344.2	362.3	380.3	401.4
25°	267.2	269.9	276.0	282.4	291.1	300.3	313.6	328.7	346.7	367.2	388.7
27.5°	254.8	257.2	262.7	268.3	276.1	287.1	299.1	314.3	331.2	352.0	375.8
30°	245.8	248.5	253.4	259.4	266.9	276.5	288.8	303.1	321.2	341.5	366.4
32.5°	238.1	240.5	244.2	250.2	257.6	266.9	278.3	292.9	311.0	331.6	356.0
35°	226.2	228.9	231.7	236.4	242.8	251.8	264.3	278.1	295.4	315.4	337.8
37.5°	214.4	217.3	219.8	224.0	229.8	237.8	248.6	262.9	278.6	297.8	319.4
40°	207.0	209.3	211.4	215.9	221.8	229.3	239.3	252.1	268.6	286.6	304.4
42.5°	199.7	201.8	203.5	207.5	212.9	220.0	229.6	242.1	257.5	274.2	290.0
45°	188.0	189.3	191.4	194.8	199.1	205.7	214.9	226.1	239.0	254.9	266.8
47.5°	175.5	177.5	179.2	182.1	185.7	192.2	201.1	210.5	222.3	234.1	242.4
50°	165.8	167.9	170.3	173.2	176.5	182.5	190.6	200.2	210.3	219.3	226.4
52.5°	156.7	158.7	161.3	164.0	168.1	173.2	180.1	188.7	198.5	205.0	210.9
55°	143.3	144.3	147.3	149.9	153.9	157.7	164.7	172.2	178.2	183.1	188.0
57.5°	129.7	130.9	132.7	135.1	139.0	143.4	148.3	155.0	158.5	161.0	164.9
60°	120.9	121.3	122.5	125.3	128.3	132.2	137.9	142.6	145.3	147.3	150.5
62.5°	111.3	111.4	113.2	115.4	117.6	121.9	126.5	130.3	132.4	133.5	136.5
65°	97.8	97.4	98.5	100.2	102.9	105.7	109.7	113.0	112.8	114.0	115.9
67.5°	84.0	83.6	83.6	85.2	87.3	89.8	92.5	94.6	94.6	96.0	97.0
70°	74.6	73.5	74.2	75.6	76.5	78.6	81.6	82.3	82.5	83.2	84.2
72.5°	65.0	64.6	65.1	65.7	66.4	68.0	70.6	71.0	71.1	71.5	73.1
75°	51.6	51.3	50.9	51.4	52.2	53.3	54.2	55.0	54.8	55.0	56.2
77.5°	38.7	37.7	37.4	37.7	37.9	38.6	39.6	39.5	39.7	39.7	40.9
80°	30.7	29.2	29.0	29.0	29.2	29.6	29.9	30.3	29.8	30.3	30.7
82.5°	22.6	21.7	21.6	21.4	21.5	21.6	21.9	22.0	21.9	22.2	22.4
85°	12.5	12.1	11.5	11.9	11.7	11.1	11.5	10.9	10.8	10.9	11.1
87.5°	7.0	7.0	6.4	6.2	5.8	5.6	5.1	4.6	4.2	4.1	4.2
90°	13.9	13.0	11.7	10.5	9.2	8.0	6.6	5.1	3.7	2.3	0.8
92.5°	32.4	31.2	29.7	28.1	26.6	25.0	23.7	22.7	21.7	20.7	19.7
95°	63.9	62.7	60.9	59.0	57.2	55.4	54.4	54.0	53.6	53.2	52.9
97.5°	101.0	99.8	97.3	94.8	92.3	89.8	88.5	88.4	88.2	88.1	87.9
100°	126.1	124.5	122.2	119.8	117.5	115.1	114.0	114.0	114.0	114.0	114.0
102.5°	152.4	150.6	149.4	148.2	147.0	145.8	144.9	144.1	143.4	142.7	141.9
105°	195.6	194.5	193.5	192.3	191.3	190.2	189.2	188.3	187.4	186.5	185.6
107.5°	242.1	241.6	240.8	239.9	239.0	238.2	237.4	236.5	235.5	234.6	233.7
110°	274.0	273.5	273.0	272.4	271.8	271.3	270.6	269.7	268.8	267.9	267.0



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	306.3	306.1	305.3	304.7	304.0	303.3	302.7	302.2	301.7	301.3	300.8
115°	355.6	355.7	355.3	355.0	354.6	354.2	353.7	353.0	352.3	351.6	350.8
117.5°	404.1	403.9	403.6	403.2	402.9	402.6	402.3	401.9	401.6	401.3	401.0
120°	437.1	437.1	436.9	436.8	436.5	436.3	435.9	435.0	434.0	433.1	432.2
122.5°	469.5	469.6	469.2	468.7	468.2	467.7	467.4	467.1	466.8	466.4	466.1
125°	517.3	517.7	517.5	517.3	517.1	517.0	516.3	515.3	514.1	513.1	512.0
127.5°	564.4	564.6	564.4	564.1	563.9	563.7	563.3	562.6	562.1	561.4	560.8
130°	595.7	595.8	595.4	595.1	594.8	594.4	593.7	592.8	591.9	591.0	590.1
132.5°	625.6	625.7	625.8	625.9	626.0	626.1	625.3	623.9	622.4	620.9	619.4
135°	671.5	671.5	671.3	671.2	671.0	670.8	670.2	669.0	668.0	666.9	665.9
137.5°	716.2	715.9	715.6	715.2	714.8	714.4	713.6	712.6	711.5	710.5	709.5
140°	744.3	744.0	743.4	742.9	742.3	741.8	741.0	740.1	739.2	738.3	737.4
142.5°	772.2	771.9	771.3	770.6	769.9	769.2	768.5	767.7	767.0	766.2	765.4
145°	812.4	812.4	811.8	811.2	810.7	810.2	809.5	808.8	808.0	807.4	806.7
147.5°	848.9	848.5	848.0	847.6	847.2	846.8	846.3	846.0	845.5	845.1	844.7
150°	872.5	872.5	871.8	871.1	870.4	869.7	869.4	869.6	869.8	869.9	870.1
152.5°	893.8	893.4	893.1	892.8	892.5	892.3	891.9	891.7	891.4	891.2	891.0
155°	924.5	923.8	923.7	923.5	923.3	923.1	923.0	923.0	923.0	923.0	923.0
157.5°	951.5	950.7	950.6	950.3	950.1	950.0	950.1	950.5	950.9	951.3	951.7
160°	967.7	966.9	966.8	966.6	966.5	966.3	966.5	966.9	967.5	968.1	968.6
162.5°	982.8	981.9	981.9	981.9	981.9	981.8	982.0	982.4	982.8	983.2	983.6
165°	1003.6	1002.8	1002.6	1002.4	1002.2	1002.1	1002.2	1002.5	1002.9	1003.2	1003.6
167.5°	1018.4	1017.2	1017.2	1017.2	1017.2	1017.2	1017.7	1018.4	1019.1	1019.8	1020.5
170°	1027.5	1026.4	1026.4	1026.4	1026.4	1026.4	1026.8	1027.5	1028.2	1028.9	1029.6
172.5°	1034.0	1032.9	1032.9	1032.9	1032.9	1032.9	1033.3	1034.0	1034.7	1035.4	1036.2
175°	1041.3	1040.2	1040.2	1040.2	1040.2	1040.2	1040.6	1041.3	1042.0	1042.8	1043.5
177.5°	1044.9	1044.0	1044.2	1044.2	1044.4	1044.6	1044.9	1045.5	1046.1	1046.7	1047.3
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	446.3	448.3	449.7	452.2	454.4	455.6	456.6	457.5	458.6	459.5	462.1
5°	449.1	454.0	458.2	464.6	470.4	474.9	479.8	484.1	487.7	492.8	496.8
7.5°	447.8	456.6	465.7	475.6	485.8	495.1	503.9	511.9	519.3	528.2	536.0
10°	446.7	458.5	470.2	483.6	497.3	509.0	519.9	531.1	539.2	550.5	560.1
12.5°	445.8	459.7	473.9	489.9	505.0	521.5	536.1	544.2	556.5	565.6	577.0
15°	442.0	460.4	479.8	497.9	519.4	534.7	547.5	563.3	574.8	586.3	598.7
17.5°	435.1	456.1	477.8	501.5	522.0	538.4	555.0	570.2	583.9	599.3	614.8
20°	431.9	452.9	477.8	502.1	522.2	539.3	556.3	573.1	588.2	608.0	625.8
22.5°	425.3	450.6	473.5	497.3	518.0	536.6	555.9	574.9	594.9	617.3	639.7
25°	413.5	439.1	463.4	486.8	507.7	531.1	551.6	577.1	602.7	632.3	660.1
27.5°	401.2	425.7	448.0	470.6	495.0	521.5	548.0	576.9	610.5	647.8	687.1
30°	391.3	414.5	436.1	459.3	484.7	514.5	543.7	578.0	616.8	658.8	705.6
32.5°	379.7	401.0	422.1	446.6	474.3	505.7	539.8	577.4	624.0	671.7	719.8
35°	359.8	377.7	399.4	425.6	456.8	492.8	532.2	576.7	630.1	685.0	725.5
37.5°	336.3	352.9	375.8	404.5	437.2	475.9	522.6	575.4	632.2	675.9	688.9
40°	320.4	335.9	359.6	389.4	422.9	463.8	515.0	570.8	625.8	653.7	642.9
42.5°	303.5	319.8	342.9	372.3	408.5	453.0	505.6	561.3	607.5	618.0	580.9
45°	277.0	293.7	316.5	346.3	385.1	433.3	488.1	538.8	565.3	546.3	488.9
47.5°	252.2	267.9	289.0	319.8	359.8	409.7	462.4	502.9	505.0	459.6	398.2
50°	235.3	249.8	271.1	301.8	341.5	392.1	439.7	471.6	457.2	405.8	346.8
52.5°	218.7	232.9	253.9	284.3	323.6	369.9	414.3	436.6	409.6	356.8	306.5
55°	194.8	207.2	227.8	255.8	293.1	336.1	373.7	381.5	346.4	294.5	253.6
57.5°	171.5	183.0	201.7	227.6	261.7	299.7	329.2	327.5	290.5	245.9	213.4
60°	155.6	166.9	183.5	208.7	239.9	272.6	297.8	291.8	255.1	216.6	189.3
62.5°	141.5	151.6	167.2	189.3	217.7	248.0	268.7	259.8	223.9	190.3	168.7
65°	120.6	129.1	142.4	161.3	184.8	209.9	225.9	214.4	183.7	157.5	140.1
67.5°	100.6	107.5	118.6	133.7	153.8	173.9	183.6	172.1	147.5	128.4	115.5
70°	88.0	94.0	102.6	116.0	133.5	150.5	157.8	147.5	126.4	110.0	100.8
72.5°	75.3	80.3	87.9	100.0	114.0	128.7	135.1	125.2	107.9	94.0	85.4
75°	58.2	61.6	66.9	75.2	86.3	98.0	101.5	92.9	81.8	71.4	65.7
77.5°	41.7	44.5	48.5	53.7	61.6	69.1	72.2	67.2	58.6	52.0	47.4
80°	32.0	33.5	36.9	41.3	47.5	52.2	54.2	51.0	45.0	40.1	36.5
82.5°	22.8	24.4	26.3	29.9	33.9	37.1	39.3	37.2	32.9	28.9	26.9
85°	11.1	12.1	13.2	14.7	17.7	19.6	19.4	18.1	16.4	14.9	13.8
87.5°	4.4	4.8	5.5	6.6	7.3	8.2	8.7	8.6	8.3	8.1	7.8
90°	2.3	3.7	5.1	6.6	8.0	9.2	10.5	11.7	13.0	13.9	14.8
92.5°	20.7	21.7	22.7	23.7	25.0	26.6	28.1	29.7	31.2	32.4	33.7
95°	53.2	53.6	54.0	54.4	55.4	57.2	59.0	60.9	62.7	63.9	65.2
97.5°	88.1	88.2	88.4	88.5	89.8	92.3	94.8	97.3	99.8	101.0	102.2
100°	114.0	114.0	114.0	114.0	115.1	117.5	119.8	122.2	124.5	126.1	127.8
102.5°	142.7	143.4	144.1	144.9	145.8	147.0	148.2	149.4	150.6	152.4	154.1
105°	186.5	187.4	188.3	189.2	190.2	191.3	192.3	193.5	194.5	195.6	196.7
107.5°	234.6	235.5	236.5	237.4	238.2	239.0	239.9	240.8	241.6	242.1	242.6
110°	267.9	268.8	269.7	270.6	271.3	271.8	272.4	273.0	273.5	274.0	274.6



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	301.3	301.7	302.2	302.7	303.3	304.0	304.7	305.3	306.1	306.3	306.6
115°	351.6	352.3	353.0	353.7	354.2	354.6	355.0	355.3	355.7	355.6	355.3
117.5°	401.3	401.6	401.9	402.3	402.6	402.9	403.2	403.6	403.9	404.1	404.1
120°	433.1	434.0	435.0	435.9	436.3	436.5	436.8	436.9	437.1	437.1	437.1
122.5°	466.4	466.8	467.1	467.4	467.7	468.2	468.7	469.2	469.6	469.5	469.4
125°	513.1	514.1	515.3	516.3	517.0	517.1	517.3	517.5	517.7	517.3	517.0
127.5°	561.4	562.1	562.6	563.3	563.7	563.9	564.1	564.4	564.6	564.4	564.2
130°	591.0	591.9	592.8	593.7	594.4	594.8	595.1	595.4	595.8	595.7	595.4
132.5°	620.9	622.4	623.9	625.3	626.1	626.0	625.9	625.8	625.7	625.6	625.4
135°	666.9	668.0	669.0	670.2	670.8	671.0	671.2	671.3	671.5	671.5	671.5
137.5°	710.5	711.5	712.6	713.6	714.4	714.8	715.2	715.6	715.9	716.2	716.4
140°	738.3	739.2	740.1	741.0	741.8	742.3	742.9	743.4	744.0	744.3	744.7
142.5°	766.2	767.0	767.7	768.5	769.2	769.9	770.6	771.3	771.9	772.2	772.4
145°	807.4	808.0	808.8	809.5	810.2	810.7	811.2	811.8	812.4	812.4	812.4
147.5°	845.1	845.5	846.0	846.3	846.8	847.2	847.6	848.0	848.5	848.9	849.3
150°	869.9	869.8	869.6	869.4	869.7	870.4	871.1	871.8	872.5	872.5	872.5
152.5°	891.2	891.4	891.7	891.9	892.3	892.5	892.8	893.1	893.4	893.8	894.3
155°	923.0	923.0	923.0	923.0	923.1	923.3	923.5	923.7	923.8	924.5	925.3
157.5°	951.3	950.9	950.5	950.1	950.0	950.1	950.3	950.6	950.7	951.5	952.1
160°	968.1	967.5	966.9	966.5	966.3	966.5	966.6	966.8	966.9	967.7	968.4
162.5°	983.2	982.8	982.4	982.0	981.8	981.9	981.9	981.9	981.9	982.8	983.7
165°	1003.2	1002.9	1002.5	1002.2	1002.1	1002.2	1002.4	1002.6	1002.8	1003.6	1004.2
167.5°	1019.8	1019.1	1018.4	1017.7	1017.2	1017.2	1017.2	1017.2	1017.2	1018.4	1019.5
170°	1028.9	1028.2	1027.5	1026.8	1026.4	1026.4	1026.4	1026.4	1026.4	1027.5	1028.6
172.5°	1035.4	1034.7	1034.0	1033.3	1032.9	1032.9	1032.9	1032.9	1032.9	1034.0	1035.1
175°	1042.8	1042.0	1041.3	1040.6	1040.2	1040.2	1040.2	1040.2	1040.2	1041.3	1042.4
177.5°	1046.7	1046.1	1045.5	1044.9	1044.6	1044.4	1044.2	1044.2	1044.0	1044.9	1045.7
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	464.2	465.4	468.0	467.1	468.2	468.9	469.4
5°	501.7	507.7	510.4	510.0	514.0	513.0	512.0
7.5°	544.0	550.3	553.9	558.3	560.8	561.1	563.3
10°	568.0	576.3	579.7	584.4	587.4	589.1	588.9
12.5°	586.4	592.9	600.5	602.8	606.8	609.0	608.2
15°	608.5	618.9	626.8	630.7	635.9	637.3	639.4
17.5°	628.3	642.1	651.3	663.7	668.3	671.2	669.4
20°	643.2	661.5	670.7	685.3	693.5	697.8	696.3
22.5°	660.8	680.6	697.7	710.4	722.7	728.6	729.8
25°	691.0	718.1	743.2	759.9	775.2	778.8	786.7
27.5°	724.8	756.8	783.6	801.2	811.8	815.8	818.3
30°	746.0	777.9	798.0	809.3	812.7	812.4	812.0
32.5°	756.4	776.3	780.2	777.1	769.3	762.7	755.9
35°	741.7	726.8	704.6	676.0	654.8	633.6	631.4
37.5°	667.1	619.5	582.4	541.1	517.3	502.6	492.4
40°	596.8	542.7	497.9	463.1	438.8	429.2	419.7
42.5°	520.6	468.9	429.2	400.1	381.8	371.1	363.7
45°	422.9	377.3	346.3	325.1	310.6	302.4	297.7
47.5°	346.6	312.8	286.4	271.2	261.2	254.8	254.8
50°	305.6	273.4	255.8	243.8	235.1	230.0	231.0
52.5°	269.2	245.2	230.2	220.1	213.7	210.6	210.4
55°	225.1	207.8	198.0	190.6	186.3	182.7	183.5
57.5°	192.6	178.0	171.4	165.3	162.2	160.9	158.7
60°	172.4	161.1	155.4	150.5	147.5	146.3	144.3
62.5°	154.4	145.5	140.1	136.1	133.4	133.0	131.3
65°	129.8	123.0	118.1	116.3	113.4	112.7	112.7
67.5°	107.0	102.2	98.3	96.6	95.4	95.6	94.7
70°	92.7	88.7	86.3	84.4	83.5	83.6	82.9
72.5°	81.1	76.6	74.5	73.4	72.2	72.6	72.3
75°	61.4	59.2	58.0	56.9	56.2	55.8	55.4
77.5°	45.1	43.1	42.2	41.6	41.7	40.8	41.5
80°	34.8	33.2	32.6	31.6	31.5	31.5	31.3
82.5°	25.5	24.5	24.1	23.4	23.0	23.3	22.8
85°	13.2	12.5	12.2	12.2	11.9	11.5	12.5
87.5°	8.0	7.6	7.7	7.7	7.7	7.7	7.5
90°	15.7	16.6	17.4	17.9	18.4	19.0	19.6
92.5°	34.8	36.0	36.9	37.3	37.6	38.0	38.4
95°	66.4	67.8	68.6	68.9	69.3	69.6	70.0
97.5°	103.4	104.6	105.3	105.5	105.7	105.9	106.2
100°	129.4	131.0	132.1	132.4	132.7	133.1	133.5
102.5°	155.9	157.7	158.8	159.3	159.8	160.4	160.9
105°	197.8	198.9	199.7	200.2	200.8	201.3	201.9
107.5°	243.2	243.8	244.0	243.9	243.9	243.9	243.9
110°	275.1	275.7	275.8	275.7	275.5	275.3	275.1



TEST NUMBER: P333143-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	306.8	307.0	307.0	306.7	306.4	306.1	305.7
115°	355.1	355.0	354.8	354.6	354.4	354.2	354.1
117.5°	404.3	404.5	404.1	403.4	402.8	402.0	401.3
120°	437.1	437.1	436.8	436.0	435.3	434.6	433.8
122.5°	469.2	469.0	468.7	468.1	467.6	467.0	466.4
125°	516.6	516.2	515.9	515.8	515.6	515.4	515.3
127.5°	564.0	563.9	563.5	563.2	562.8	562.5	562.1
130°	595.3	595.1	594.8	594.4	594.1	593.7	593.4
132.5°	625.3	625.0	624.7	624.2	623.7	623.2	622.6
135°	671.5	671.5	671.2	670.4	669.7	669.0	668.2
137.5°	716.6	716.8	716.5	715.6	714.7	713.8	712.9
140°	745.0	745.4	745.1	744.2	743.3	742.4	741.5
142.5°	772.6	772.8	772.5	771.6	770.7	769.8	768.8
145°	812.4	812.4	812.0	811.5	811.0	810.4	809.9
147.5°	849.8	850.2	849.8	848.6	847.3	846.1	844.9
150°	872.5	872.5	872.4	872.0	871.6	871.3	870.9
152.5°	894.7	895.1	895.0	894.4	893.7	893.1	892.4
155°	926.0	926.8	926.7	925.8	924.8	923.9	923.0
157.5°	952.8	953.6	953.3	952.2	951.0	949.7	948.6
160°	969.1	969.9	969.8	968.9	968.0	967.1	966.1
162.5°	984.6	985.5	985.4	984.3	983.3	982.2	981.1
165°	1004.9	1005.7	1005.5	1004.4	1003.3	1002.2	1001.2
167.5°	1020.5	1021.7	1021.6	1020.5	1019.4	1018.2	1017.1
170°	1029.6	1030.7	1030.6	1029.4	1028.1	1026.9	1025.6
172.5°	1036.2	1037.2	1037.2	1036.1	1035.0	1033.9	1032.7
175°	1043.5	1044.6	1044.5	1043.3	1042.0	1040.6	1039.4
177.5°	1046.6	1047.4	1047.4	1046.4	1045.4	1044.3	1043.3
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9

(END OF REPORT)