

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: P333503

Luminaire Tested: **S125RDIP-S375D810U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333503
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: S125RDIP-S375D810U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4264.4 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

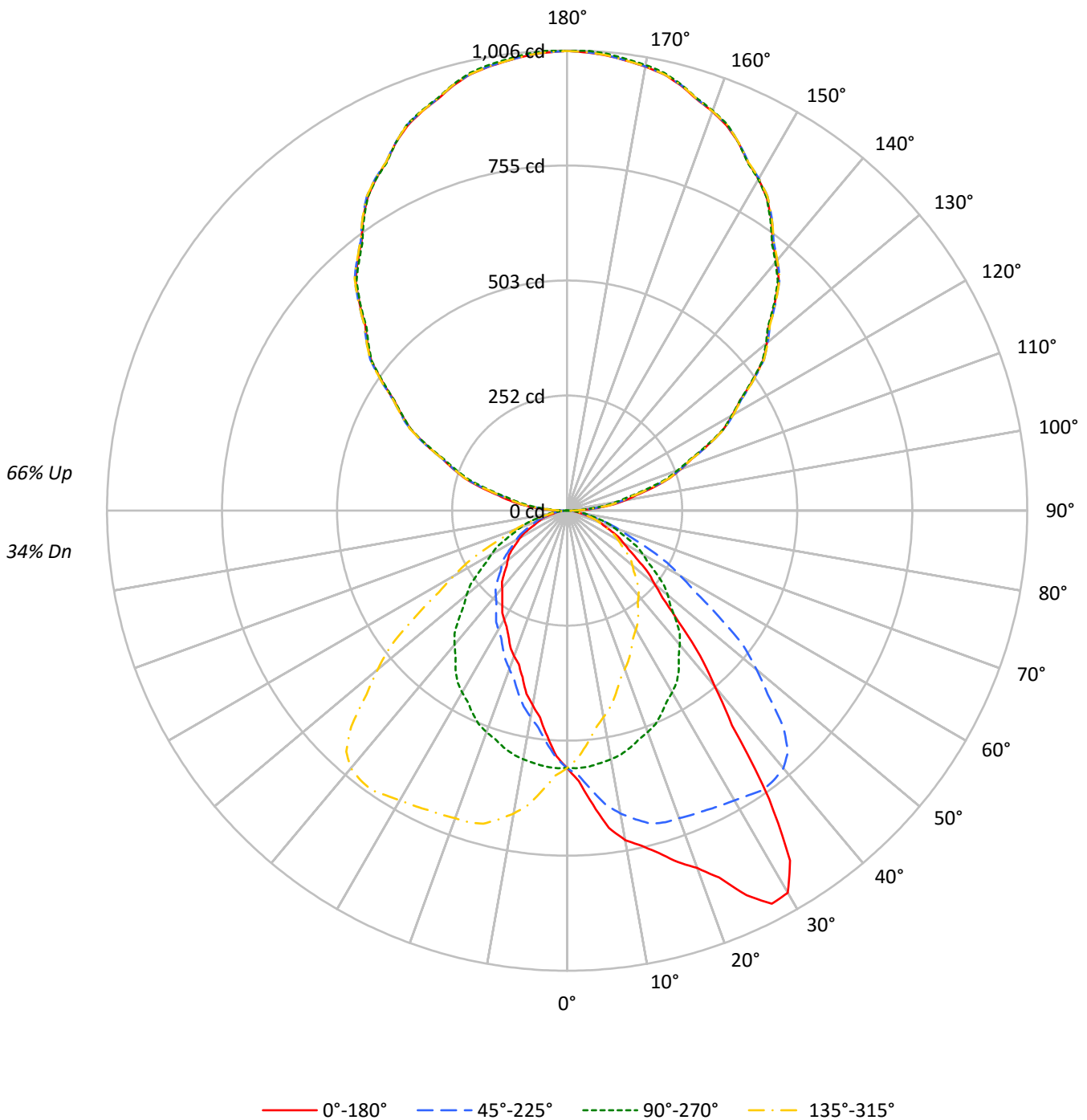
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75	75	75	57	57	57	42	42	42	34
1	95	90	87	83	85	82	79	76	66	64	62	51	50	48	37	36	36	29
2	86	79	73	69	78	72	67	63	58	54	51	45	43	41	33	32	30	25
3	79	70	63	57	71	63	57	53	51	47	43	40	37	35	30	28	26	22
4	72	62	54	49	65	56	50	45	46	41	37	36	32	30	26	24	23	19
5	66	55	47	42	60	50	43	38	41	36	32	32	29	26	24	22	20	16
6	61	49	42	36	55	45	38	33	37	32	28	29	25	23	22	19	18	14
7	56	44	37	31	51	41	34	29	33	28	25	26	23	20	20	17	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	16	14	11
9	48	37	29	25	44	34	27	23	28	23	19	22	19	16	17	14	13	10
10	45	34	27	22	41	31	25	20	25	21	17	20	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3635	3635	3635	3635
5°	4182	3640	3215	3640
10°	4798	3621	2837	3621
15°	5182	3584	2521	3584
20°	5714	3542	2328	3542
25°	6613	3484	2161	3484
30°	7196	3424	2051	3424
35°	6070	3354	1949	3354
40°	4239	3228	1862	3228
45°	3145	3058	1777	3058
50°	2508	2882	1704	2882
55°	2128	2662	1639	2662
60°	1838	2466	1535	2466
65°	1638	2253	1320	2253
70°	1441	2064	1205	2064
75°	1245	1787	1130	1787
80°	945	1503	945	1503
85°	785	1178	889	1178



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	1.3
10°-20°	158.2	3.7
20°-30°	250.8	5.9
30°-40°	302.5	7.1
40°-50°	270.1	6.3
50°-60°	207.1	4.9
60°-70°	134.6	3.2
70°-80°	65.4	1.5
80°-90°	17.8	0.4
90°-100°	67.3	1.6
100°-110°	198.7	4.7
110°-120°	336.6	7.9
120°-130°	443.0	10.4
130°-140°	496.4	11.6
140°-150°	486.5	11.4
150°-160°	408.6	9.6
160°-170°	271.6	6.4
170°-180°	95.1	2.2
0°-30°	463.0	10.9
0°-40°	765.4	17.9
0°-60°	1242.7	29.1
0°-90°	1460.5	34.2
90°-120°	602.7	14.1
90°-150°	2028.6	47.6
90°-180°	2804.0	65.8
0°-180°	4264.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	563	563	563	563	563	
5°	645	562	496	562	645	64
15°	775	536	377	536	775	222
25°	928	489	303	489	928	426
35°	770	425	247	425	770	465
45°	344	335	195	335	344	275
55°	189	236	146	236	189	172
65°	107	147	86	147	107	107
75°	50	72	45	72	50	53
85°	11	16	12	16	11	13
90°	19	1	19	1	19	11
95°	67	51	67	51	67	68
105°	194	178	194	178	194	205
115°	340	337	340	337	340	336
125°	495	492	495	492	495	442
135°	642	640	642	640	642	495
145°	778	775	778	775	778	486
155°	887	887	887	887	887	408
165°	962	964	962	964	962	271
175°	999	1002	999	1002	999	95
180°	1005	1005	1005	1005	1005	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	592.1	591.7	592.5	590.4	590.6	587.5	587.5	585.1	581.9	579.5	578.4
5°	645.1	645.6	644.7	641.2	638.9	635.4	631.5	624.6	618.8	613.2	608.9
7.5°	699.8	700.1	697.0	696.0	690.1	685.9	677.2	667.7	659.4	648.7	640.6
10°	731.6	731.3	728.1	725.5	720.5	714.0	705.4	694.4	684.0	672.4	661.3
12.5°	750.0	749.4	748.4	745.3	740.6	734.9	727.6	716.7	703.9	691.3	678.3
15°	775.0	773.4	770.4	766.4	759.7	753.0	745.0	735.3	723.0	708.7	696.7
17.5°	805.9	805.9	801.3	795.8	786.7	774.9	762.4	746.8	730.1	714.4	701.6
20°	831.4	830.7	826.1	815.4	805.0	790.2	775.9	756.7	736.4	715.8	699.9
22.5°	868.0	866.2	861.4	847.4	831.3	812.2	790.3	766.9	742.3	719.0	698.0
25°	928.0	926.6	917.1	900.9	878.3	848.9	820.3	788.2	752.8	722.1	696.7
27.5°	969.0	967.5	960.4	947.0	926.1	895.2	856.5	813.5	769.4	727.1	690.5
30°	964.9	968.4	967.5	961.2	945.5	917.8	882.0	833.7	781.2	731.6	687.9
32.5°	906.9	910.0	918.1	930.4	931.3	920.2	893.4	848.8	794.5	738.0	685.8
35°	769.9	774.1	789.8	814.5	846.9	873.9	879.4	855.4	806.6	745.9	682.8
37.5°	591.9	614.6	627.9	653.9	702.8	752.5	800.3	817.9	797.2	742.6	677.9
40°	502.8	508.3	531.9	561.3	602.4	654.1	722.3	771.5	773.1	735.3	670.1
42.5°	430.3	437.4	453.5	477.0	512.2	563.9	634.3	699.3	729.3	714.9	659.9
45°	344.3	349.6	361.4	379.4	406.4	449.2	509.7	584.8	644.4	667.8	632.7
47.5°	282.8	285.7	295.9	309.7	329.7	360.8	407.7	472.9	544.4	594.5	589.6
50°	249.6	252.8	260.6	271.0	287.9	314.2	351.7	406.0	479.7	540.9	553.2
52.5°	223.7	226.4	231.3	241.1	255.0	275.2	305.5	354.6	420.9	486.0	514.4
55°	189.0	190.9	194.8	200.3	211.4	226.0	252.1	286.1	339.7	405.3	446.9
57.5°	160.5	161.4	163.9	169.0	176.7	187.3	206.2	234.9	273.4	332.5	378.4
60°	142.3	143.3	146.5	150.0	156.0	165.7	180.5	200.6	237.5	286.3	332.7
62.5°	127.9	128.5	129.9	133.3	138.6	146.1	157.7	174.1	203.5	246.4	290.2
65°	107.2	107.4	107.9	110.7	113.9	119.5	127.1	138.6	160.8	193.2	232.0
67.5°	87.3	87.7	89.3	90.3	93.6	96.5	101.0	109.8	125.5	147.3	177.5
70°	76.3	76.0	77.6	78.8	79.9	83.4	86.4	93.6	103.3	119.9	145.1
72.5°	65.9	65.3	66.0	66.4	67.9	70.3	73.3	77.7	85.2	96.6	115.9
75°	49.9	50.1	50.1	50.6	51.8	52.7	53.6	55.9	60.1	67.7	78.1
77.5°	35.0	34.7	35.6	35.8	36.5	37.5	38.3	39.2	40.9	44.0	49.4
80°	25.4	25.4	25.6	26.3	26.1	26.6	27.7	28.7	30.7	32.6	34.4
82.5°	19.5	19.3	19.5	19.7	19.6	20.1	20.5	20.7	21.5	22.4	23.7
85°	10.6	10.6	10.9	10.9	11.1	11.1	11.3	11.3	11.3	11.6	11.8
87.5°	7.8	7.5	7.2	7.1	7.2	7.4	7.1	6.7	6.6	6.4	6.3
90°	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.2	13.4	12.5	11.3
92.5°	36.9	36.5	36.1	35.8	35.4	34.6	33.5	32.3	31.2	30.0	28.5
95°	67.2	66.9	66.6	66.2	65.9	65.1	63.9	62.6	61.4	60.2	58.5
97.5°	102.0	101.8	101.5	101.3	101.1	100.5	99.3	98.2	97.0	95.9	93.5
100°	128.2	127.9	127.5	127.2	126.9	125.9	124.3	122.8	121.2	119.6	117.4
102.5°	154.5	154.0	153.5	153.1	152.6	151.5	149.8	148.1	146.4	144.7	143.5
105°	193.9	193.4	192.9	192.4	191.8	191.1	190.0	189.0	187.9	186.9	185.8
107.5°	234.3	234.3	234.3	234.4	234.4	234.2	233.6	233.1	232.6	232.1	231.3
110°	264.3	264.5	264.6	264.8	265.0	264.8	264.3	263.8	263.3	262.7	262.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	293.7	294.0	294.3	294.6	295.0	295.0	294.7	294.5	294.3	294.0	293.4
115°	340.2	340.3	340.5	340.7	340.8	341.0	341.2	341.4	341.5	341.7	341.4
117.5°	385.5	386.2	386.9	387.6	388.3	388.6	388.4	388.3	388.1	388.0	387.7
120°	416.8	417.5	418.2	418.9	419.6	419.9	419.9	419.9	419.9	419.9	419.7
122.5°	448.1	448.6	449.2	449.7	450.3	450.6	450.8	450.9	451.0	451.2	450.7
125°	495.0	495.2	495.3	495.5	495.7	495.9	496.3	496.6	497.0	497.3	497.1
127.5°	540.0	540.4	540.7	541.1	541.4	541.7	541.8	542.0	542.2	542.4	542.2
130°	570.0	570.4	570.7	571.1	571.4	571.7	571.9	572.0	572.2	572.4	572.0
132.5°	598.2	598.7	599.2	599.7	600.1	600.5	600.6	600.8	601.0	601.2	601.2
135°	642.0	642.7	643.4	644.1	644.8	645.1	645.1	645.1	645.1	645.1	644.9
137.5°	684.8	685.7	686.6	687.4	688.3	688.6	688.4	688.2	688.0	687.8	687.4
140°	712.4	713.2	714.1	715.0	715.8	716.1	715.7	715.4	715.1	714.7	714.2
142.5°	738.6	739.5	740.4	741.2	742.1	742.4	742.2	742.0	741.8	741.6	740.9
145°	778.0	778.6	779.1	779.6	780.1	780.4	780.4	780.4	780.4	780.4	779.9
147.5°	811.7	812.9	814.0	815.2	816.4	816.8	816.4	815.9	815.5	815.1	814.7
150°	836.7	837.0	837.4	837.7	838.1	838.3	838.3	838.3	838.3	838.3	837.6
152.5°	857.3	858.0	858.6	859.2	859.8	859.9	859.5	859.1	858.7	858.3	858.0
155°	886.7	887.6	888.5	889.3	890.2	890.3	889.6	888.9	888.2	887.5	887.3
157.5°	911.3	912.4	913.6	914.7	915.9	916.1	915.4	914.7	914.0	913.3	913.1
160°	928.2	929.0	929.9	930.8	931.7	931.7	931.0	930.4	929.7	929.0	928.8
162.5°	942.6	943.6	944.6	945.6	946.6	946.7	945.9	945.0	944.2	943.4	943.3
165°	961.8	962.8	963.9	964.9	966.0	966.1	965.5	964.8	964.1	963.4	963.2
167.5°	977.1	978.2	979.3	980.4	981.4	981.5	980.4	979.4	978.3	977.3	977.3
170°	985.3	986.5	987.7	988.9	990.1	990.2	989.2	988.1	987.1	986.0	986.0
172.5°	992.1	993.2	994.3	995.4	996.5	996.5	995.4	994.4	993.3	992.3	992.3
175°	998.6	999.8	1001.0	1002.2	1003.4	1003.5	1002.5	1001.4	1000.4	999.3	999.3
177.5°	1002.3	1003.3	1004.3	1005.2	1006.2	1006.3	1005.4	1004.6	1003.8	1002.9	1003.1
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	578.4	577.1	574.7	572.5	569.7	567.3	565.6	563.6	561.0	557.9	555.3
5°	604.0	598.9	592.2	586.4	579.0	573.3	567.3	561.5	555.7	548.3	541.8
7.5°	632.4	621.9	611.7	598.8	587.2	576.8	566.8	556.7	546.8	536.3	526.2
10°	649.8	637.0	623.0	606.8	592.0	577.9	565.0	552.2	538.8	527.1	514.4
12.5°	666.0	649.6	633.5	613.1	595.3	578.1	561.6	545.8	531.5	516.2	502.5
15°	680.7	664.5	646.5	621.6	596.8	576.0	556.6	536.1	518.3	501.2	485.9
17.5°	686.4	669.4	648.5	624.5	597.5	571.3	546.3	523.8	502.8	482.9	465.8
20°	684.2	667.8	646.3	623.4	594.5	567.3	540.2	515.3	491.9	470.9	452.7
22.5°	678.8	661.9	641.1	616.9	589.5	560.6	531.7	505.1	480.7	458.9	439.0
25°	670.8	647.7	626.4	602.8	576.7	548.1	518.3	488.9	462.8	440.6	418.9
27.5°	662.4	633.6	606.5	583.1	555.5	530.0	501.2	471.1	443.7	421.1	398.8
30°	654.8	622.5	592.7	566.1	540.0	515.7	488.5	459.1	430.9	407.6	385.0
32.5°	645.4	611.0	578.3	547.6	522.4	498.4	473.7	445.6	418.2	394.1	371.1
35°	633.6	589.7	554.1	521.5	493.6	470.2	448.0	425.4	397.9	372.9	350.5
37.5°	618.1	568.2	527.1	491.6	462.1	438.7	421.1	400.4	375.3	351.5	330.7
40°	608.6	552.7	507.7	472.5	441.6	416.8	400.4	382.9	360.0	337.6	316.8
42.5°	596.1	538.5	488.1	451.5	420.3	396.5	379.9	364.6	345.4	324.3	302.0
45°	571.4	510.9	458.0	418.7	387.3	363.9	348.4	334.8	320.3	300.8	281.4
47.5°	539.4	482.1	426.7	383.8	353.1	331.4	316.4	305.6	295.2	278.7	259.9
50°	513.7	458.4	404.4	362.8	330.0	309.4	295.3	286.8	277.3	262.3	246.5
52.5°	483.3	434.0	381.1	338.6	307.6	288.3	274.8	266.2	258.4	246.2	231.2
55°	435.6	392.3	343.8	305.2	276.8	257.4	244.5	236.4	231.8	221.4	209.6
57.5°	380.4	349.5	306.7	269.5	244.3	225.2	215.7	208.8	203.6	196.2	187.9
60°	342.0	320.3	281.9	246.5	223.4	205.2	196.6	190.9	186.0	179.8	173.3
62.5°	303.0	287.2	253.8	223.4	202.2	186.9	178.9	173.7	168.1	163.9	157.6
65°	250.7	236.6	213.5	189.7	170.1	157.8	152.0	147.4	144.0	139.3	134.9
67.5°	195.0	189.3	173.3	156.9	142.8	131.9	126.9	123.7	119.6	116.8	113.8
70°	160.8	158.0	146.7	135.9	122.7	115.3	110.7	109.3	104.2	101.4	99.4
72.5°	130.5	129.2	122.7	115.2	105.9	99.4	95.2	93.6	90.3	88.1	86.8
75°	89.4	89.9	88.7	83.9	80.4	76.3	72.6	71.6	69.3	67.5	66.3
77.5°	56.6	58.9	59.0	58.8	57.4	54.9	53.3	52.6	50.4	49.7	49.4
80°	38.8	41.4	43.7	43.4	43.0	42.3	41.1	40.4	39.3	38.6	38.1
82.5°	25.9	28.2	30.2	31.4	31.3	30.6	29.9	29.5	29.3	28.8	28.7
85°	12.2	12.7	13.4	15.0	16.2	16.4	16.2	15.9	15.3	15.5	15.7
87.5°	6.3	6.0	6.0	5.7	5.2	5.9	6.2	6.1	6.0	5.9	5.8
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°	27.0	25.5	24.0	22.8	21.8	20.9	19.9	18.9	19.9	20.9	21.8
95°	56.7	55.0	53.3	52.2	51.9	51.5	51.2	50.8	51.2	51.5	51.9
97.5°	91.1	88.7	86.3	85.0	84.9	84.7	84.6	84.5	84.6	84.7	84.9
100°	115.1	112.9	110.6	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5
102.5°	142.4	141.2	140.1	139.2	138.5	137.8	137.1	136.4	137.1	137.8	138.5
105°	184.8	183.8	182.7	181.8	180.9	180.0	179.2	178.3	179.2	180.0	180.9
107.5°	230.5	229.7	228.9	228.1	227.2	226.3	225.4	224.6	225.4	226.3	227.2
110°	261.7	261.2	260.7	260.0	259.1	258.2	257.4	256.5	257.4	258.2	259.1



TEST NUMBER: P333503

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	292.7	292.0	291.4	290.8	290.4	289.9	289.5	289.0	289.5	289.9	290.4
115°	341.0	340.7	340.3	339.8	339.1	338.4	337.7	337.0	337.7	338.4	339.1
117.5°	387.4	387.1	386.8	386.4	386.1	385.8	385.5	385.2	385.5	385.8	386.1
120°	419.6	419.4	419.2	418.7	417.8	417.0	416.1	415.2	416.1	417.0	417.8
122.5°	450.3	449.8	449.4	449.0	448.7	448.4	448.1	447.7	448.1	448.4	448.7
125°	497.0	496.8	496.6	496.0	495.0	493.9	492.9	491.8	492.9	493.9	495.0
127.5°	541.9	541.7	541.5	541.1	540.5	539.9	539.4	538.8	539.4	539.9	540.5
130°	571.7	571.3	571.0	570.4	569.5	568.7	567.8	566.9	567.8	568.7	569.5
132.5°	601.3	601.4	601.4	600.8	599.3	597.9	596.5	595.1	596.5	597.9	599.3
135°	644.8	644.6	644.4	643.8	642.8	641.7	640.7	639.6	640.7	641.7	642.8
137.5°	687.0	686.7	686.3	685.6	684.6	683.6	682.6	681.6	682.6	683.6	684.6
140°	713.7	713.1	712.6	711.9	711.1	710.2	709.3	708.5	709.3	710.2	711.1
142.5°	740.3	739.6	739.0	738.3	737.5	736.8	736.1	735.4	736.1	736.8	737.5
145°	779.3	778.8	778.3	777.7	777.0	776.3	775.6	774.9	775.6	776.3	777.0
147.5°	814.3	813.9	813.4	813.0	812.7	812.3	811.9	811.5	811.9	812.3	812.7
150°	836.9	836.2	835.5	835.2	835.4	835.6	835.7	835.9	835.7	835.6	835.4
152.5°	857.7	857.4	857.2	856.9	856.7	856.4	856.2	855.9	856.2	856.4	856.7
155°	887.2	887.0	886.8	886.7	886.7	886.7	886.7	886.7	886.7	886.7	886.7
157.5°	913.0	912.8	912.6	912.7	913.1	913.5	913.9	914.3	913.9	913.5	913.1
160°	928.6	928.4	928.3	928.4	929.0	929.5	930.0	930.5	930.0	929.5	929.0
162.5°	943.3	943.2	943.2	943.4	943.8	944.1	944.5	944.9	944.5	944.1	943.8
165°	963.0	962.8	962.7	962.8	963.1	963.5	963.8	964.2	963.8	963.5	963.1
167.5°	977.3	977.3	977.3	977.6	978.3	979.0	979.7	980.4	979.7	979.0	978.3
170°	986.0	986.0	986.0	986.4	987.1	987.8	988.5	989.2	988.5	987.8	987.1
172.5°	992.3	992.3	992.3	992.6	993.3	994.0	994.7	995.4	994.7	994.0	993.3
175°	999.3	999.3	999.3	999.7	1000.4	1001.1	1001.8	1002.5	1001.8	1001.1	1000.4
177.5°	1003.2	1003.4	1003.5	1003.8	1004.4	1005.0	1005.5	1006.1	1005.5	1005.0	1004.4
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333503

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	553.4	550.9	549.0	545.3	542.7	541.6	539.6	539.0	541.1	539.6	539.4
5°	537.0	530.3	525.0	519.7	513.9	510.2	504.6	503.7	502.3	500.3	499.8
7.5°	517.3	508.5	501.7	492.9	485.3	479.1	472.2	468.9	467.1	464.4	460.8
10°	504.0	493.6	484.3	475.5	466.1	458.4	451.5	446.2	442.7	439.5	438.1
12.5°	490.8	480.2	468.4	457.8	447.2	438.7	431.0	427.5	423.7	419.9	416.7
15°	470.4	456.4	443.4	431.2	422.2	412.9	405.5	400.4	394.7	393.0	386.8
17.5°	448.8	435.0	419.8	407.0	396.5	386.3	378.2	372.4	368.1	362.1	359.3
20°	435.3	418.9	404.1	392.3	380.8	368.8	360.5	355.6	351.5	346.6	344.3
22.5°	420.9	404.9	389.7	375.9	364.2	352.3	346.4	341.4	336.7	332.2	329.1
25°	399.7	383.6	367.6	353.3	341.1	332.5	325.6	319.8	317.3	312.9	309.6
27.5°	378.8	361.6	345.1	330.8	321.2	312.7	307.0	302.5	297.9	294.1	291.2
30°	365.3	347.8	329.7	318.4	308.2	300.2	293.9	289.5	286.1	282.6	280.5
32.5°	351.8	333.7	317.7	305.5	295.9	288.9	282.5	278.2	274.6	270.8	268.3
35°	330.2	311.7	298.8	286.8	277.3	270.8	266.4	260.4	257.4	254.6	252.1
37.5°	310.1	292.9	278.9	268.4	260.1	253.7	248.0	244.8	241.1	238.6	236.5
40°	295.3	279.6	266.9	255.8	249.8	242.6	237.3	233.1	230.4	227.1	224.8
42.5°	282.0	267.4	255.0	245.1	237.6	231.5	226.4	222.2	218.7	216.4	214.5
45°	263.2	248.6	236.6	227.4	220.4	214.7	209.3	207.3	202.6	199.9	198.9
47.5°	243.7	230.7	219.1	210.6	203.5	198.0	193.0	188.8	186.2	183.5	182.0
50°	230.6	218.1	207.3	198.9	192.0	186.0	181.4	178.6	175.1	172.6	170.8
52.5°	217.5	205.9	195.1	187.1	181.1	175.1	169.9	167.2	163.9	162.3	161.0
55°	198.7	186.5	177.2	169.4	163.1	157.6	152.7	150.0	147.9	146.3	145.8
57.5°	177.5	167.8	159.2	152.1	145.6	140.4	136.1	133.5	131.7	131.4	130.0
60°	163.6	154.8	147.0	139.3	133.8	128.9	125.2	122.2	120.4	120.2	119.7
62.5°	149.7	141.3	134.0	127.3	122.3	117.7	114.1	110.8	109.7	108.5	107.5
65°	129.2	121.5	115.5	110.2	104.9	101.0	97.5	95.4	92.9	91.5	89.0
67.5°	109.0	103.1	97.3	92.8	88.6	84.9	82.0	78.9	77.2	76.1	74.3
70°	95.7	91.0	85.3	80.4	77.2	74.2	71.9	68.4	67.2	66.3	65.4
72.5°	83.1	79.0	74.2	70.2	67.0	64.2	61.5	59.9	58.7	57.8	57.3
75°	65.4	61.5	57.3	54.5	52.2	49.9	48.5	47.4	46.9	46.7	45.8
77.5°	48.0	45.9	42.6	40.4	38.9	37.9	36.7	36.1	36.0	35.0	34.7
80°	36.7	35.6	32.8	31.9	30.7	29.8	29.1	28.0	26.8	26.3	25.6
82.5°	27.3	26.2	25.0	23.6	22.6	22.0	21.4	20.9	21.1	20.4	20.1
85°	14.6	13.4	12.9	12.7	12.2	12.7	12.5	12.2	12.0	11.8	12.0
87.5°	5.9	6.2	6.2	6.8	6.5	6.9	7.1	7.1	7.3	7.4	7.4
90°	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.2	15.1	16.0	16.7
92.5°	22.8	24.0	25.5	27.0	28.5	30.0	31.2	32.3	33.5	34.6	35.4
95°	52.2	53.3	55.0	56.7	58.5	60.2	61.4	62.6	63.9	65.1	65.9
97.5°	85.0	86.3	88.7	91.1	93.5	95.9	97.0	98.2	99.3	100.5	101.1
100°	109.5	110.6	112.9	115.1	117.4	119.6	121.2	122.8	124.3	125.9	126.9
102.5°	139.2	140.1	141.2	142.4	143.5	144.7	146.4	148.1	149.8	151.5	152.6
105°	181.8	182.7	183.8	184.8	185.8	186.9	187.9	189.0	190.0	191.1	191.8
107.5°	228.1	228.9	229.7	230.5	231.3	232.1	232.6	233.1	233.6	234.2	234.4
110°	260.0	260.7	261.2	261.7	262.2	262.7	263.3	263.8	264.3	264.8	265.0



TEST NUMBER: P333503

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	290.8	291.4	292.0	292.7	293.4	294.0	294.3	294.5	294.7	295.0	295.0
115°	339.8	340.3	340.7	341.0	341.4	341.7	341.5	341.4	341.2	341.0	340.8
117.5°	386.4	386.8	387.1	387.4	387.7	388.0	388.1	388.3	388.4	388.6	388.3
120°	418.7	419.2	419.4	419.6	419.7	419.9	419.9	419.9	419.9	419.9	419.6
122.5°	449.0	449.4	449.8	450.3	450.7	451.2	451.0	450.9	450.8	450.6	450.3
125°	496.0	496.6	496.8	497.0	497.1	497.3	497.0	496.6	496.3	495.9	495.7
127.5°	541.1	541.5	541.7	541.9	542.2	542.4	542.2	542.0	541.8	541.7	541.4
130°	570.4	571.0	571.3	571.7	572.0	572.4	572.2	572.0	571.9	571.7	571.4
132.5°	600.8	601.4	601.4	601.3	601.2	601.2	601.0	600.8	600.6	600.5	600.1
135°	643.8	644.4	644.6	644.8	644.9	645.1	645.1	645.1	645.1	645.1	644.8
137.5°	685.6	686.3	686.7	687.0	687.4	687.8	688.0	688.2	688.4	688.6	688.3
140°	711.9	712.6	713.1	713.7	714.2	714.7	715.1	715.4	715.7	716.1	715.8
142.5°	738.3	739.0	739.6	740.3	740.9	741.6	741.8	742.0	742.2	742.4	742.1
145°	777.7	778.3	778.8	779.3	779.9	780.4	780.4	780.4	780.4	780.4	780.1
147.5°	813.0	813.4	813.9	814.3	814.7	815.1	815.5	815.9	816.4	816.8	816.4
150°	835.2	835.5	836.2	836.9	837.6	838.3	838.3	838.3	838.3	838.3	838.1
152.5°	856.9	857.2	857.4	857.7	858.0	858.3	858.7	859.1	859.5	859.9	859.8
155°	886.7	886.8	887.0	887.2	887.3	887.5	888.2	888.9	889.6	890.3	890.2
157.5°	912.7	912.6	912.8	913.0	913.1	913.3	914.0	914.7	915.4	916.1	915.9
160°	928.4	928.3	928.4	928.6	928.8	929.0	929.7	930.4	931.0	931.7	931.7
162.5°	943.4	943.2	943.2	943.3	943.3	943.4	944.2	945.0	945.9	946.7	946.6
165°	962.8	962.7	962.8	963.0	963.2	963.4	964.1	964.8	965.5	966.1	966.0
167.5°	977.6	977.3	977.3	977.3	977.3	977.3	978.3	979.4	980.4	981.5	981.4
170°	986.4	986.0	986.0	986.0	986.0	986.0	987.1	988.1	989.2	990.2	990.1
172.5°	992.6	992.3	992.3	992.3	992.3	992.3	993.3	994.4	995.4	996.5	996.5
175°	999.7	999.3	999.3	999.3	999.3	999.3	1000.4	1001.4	1002.5	1003.5	1003.4
177.5°	1003.8	1003.5	1003.4	1003.2	1003.1	1002.9	1003.8	1004.6	1005.4	1006.3	1006.2
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333503

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	539.2	537.2	536.6	537.4	536.6	537.2	539.2	539.4	539.6	541.1	539.0
5°	497.5	495.2	496.3	495.9	496.3	495.2	497.5	499.8	500.3	502.3	503.7
7.5°	460.8	457.9	454.9	455.8	454.9	457.9	460.8	460.8	464.4	467.1	468.9
10°	435.1	432.8	431.4	432.6	431.4	432.8	435.1	438.1	439.5	442.7	446.2
12.5°	413.5	412.1	410.9	410.4	410.9	412.1	413.5	416.7	419.9	423.7	427.5
15°	384.0	381.3	380.1	377.1	380.1	381.3	384.0	386.8	393.0	394.7	400.4
17.5°	356.9	356.0	353.0	351.7	353.0	356.0	356.9	359.3	362.1	368.1	372.4
20°	340.8	339.9	336.9	338.7	336.9	339.9	340.8	344.3	346.6	351.5	355.6
22.5°	327.5	325.5	324.5	324.0	324.5	325.5	327.5	329.1	332.2	336.7	341.4
25°	308.7	305.7	304.5	303.2	304.5	305.7	308.7	309.6	312.9	317.3	319.8
27.5°	289.9	288.3	286.8	286.4	286.8	288.3	289.9	291.2	294.1	297.9	302.5
30°	277.7	276.1	275.0	275.0	275.0	276.1	277.7	280.5	282.6	286.1	289.5
32.5°	266.8	265.6	264.4	264.2	264.4	265.6	266.8	268.3	270.8	274.6	278.2
35°	250.9	249.1	248.6	247.2	248.6	249.1	250.9	252.1	254.6	257.4	260.4
37.5°	234.4	232.9	232.9	232.7	232.9	232.9	234.4	236.5	238.6	241.1	244.8
40°	223.9	222.7	222.5	220.9	222.5	222.7	223.9	224.8	227.1	230.4	233.1
42.5°	212.6	212.0	211.2	210.5	211.2	212.0	212.6	214.5	216.4	218.7	222.2
45°	197.3	195.7	195.7	194.6	195.7	195.7	197.3	198.9	199.9	202.6	207.3
47.5°	181.5	180.3	180.4	179.2	180.4	180.3	181.5	182.0	183.5	186.2	188.8
50°	171.0	170.3	170.1	169.6	170.1	170.3	171.0	170.8	172.6	175.1	178.6
52.5°	160.5	160.1	161.0	160.0	161.0	160.1	160.5	161.0	162.3	163.9	167.2
55°	146.3	145.6	147.0	145.6	147.0	145.6	146.3	145.8	146.3	147.9	150.0
57.5°	130.0	129.3	130.6	129.9	130.6	129.3	130.0	130.0	131.4	131.7	133.5
60°	119.2	117.8	118.5	118.8	118.5	117.8	119.2	119.7	120.2	120.4	122.2
62.5°	106.5	105.6	106.2	105.1	106.2	105.6	106.5	107.5	108.5	109.7	110.8
65°	88.5	87.8	86.9	86.4	86.9	87.8	88.5	89.0	91.5	92.9	95.4
67.5°	74.4	72.7	72.6	73.0	72.6	72.7	74.4	74.3	76.1	77.2	78.9
70°	64.0	64.0	63.8	63.8	63.8	64.0	64.0	65.4	66.3	67.2	68.4
72.5°	56.8	56.6	56.2	56.0	56.2	56.6	56.8	57.3	57.8	58.7	59.9
75°	45.8	46.0	45.5	45.3	45.5	46.0	45.8	45.8	46.7	46.9	47.4
77.5°	33.8	32.8	33.3	32.8	33.3	32.8	33.8	34.7	35.0	36.0	36.1
80°	25.6	25.4	26.1	25.4	26.1	25.4	25.6	25.6	26.3	26.8	28.0
82.5°	20.3	20.1	20.4	19.9	20.4	20.1	20.3	20.1	20.4	21.1	20.9
85°	12.2	12.0	11.8	12.0	11.8	12.0	12.2	12.0	11.8	12.0	12.2
87.5°	7.7	7.6	7.7	7.8	7.7	7.6	7.7	7.4	7.4	7.3	7.1
90°	17.2	17.7	18.2	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.2
92.5°	35.8	36.1	36.5	36.9	36.5	36.1	35.8	35.4	34.6	33.5	32.3
95°	66.2	66.6	66.9	67.2	66.9	66.6	66.2	65.9	65.1	63.9	62.6
97.5°	101.3	101.5	101.8	102.0	101.8	101.5	101.3	101.1	100.5	99.3	98.2
100°	127.2	127.5	127.9	128.2	127.9	127.5	127.2	126.9	125.9	124.3	122.8
102.5°	153.1	153.5	154.0	154.5	154.0	153.5	153.1	152.6	151.5	149.8	148.1
105°	192.4	192.9	193.4	193.9	193.4	192.9	192.4	191.8	191.1	190.0	189.0
107.5°	234.4	234.3	234.3	234.3	234.3	234.3	234.4	234.4	234.2	233.6	233.1
110°	264.8	264.6	264.5	264.3	264.5	264.6	264.8	265.0	264.8	264.3	263.8



TEST NUMBER: P333503

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	294.6	294.3	294.0	293.7	294.0	294.3	294.6	295.0	295.0	294.7	294.5
115°	340.7	340.5	340.3	340.2	340.3	340.5	340.7	340.8	341.0	341.2	341.4
117.5°	387.6	386.9	386.2	385.5	386.2	386.9	387.6	388.3	388.6	388.4	388.3
120°	418.9	418.2	417.5	416.8	417.5	418.2	418.9	419.6	419.9	419.9	419.9
122.5°	449.7	449.2	448.6	448.1	448.6	449.2	449.7	450.3	450.6	450.8	450.9
125°	495.5	495.3	495.2	495.0	495.2	495.3	495.5	495.7	495.9	496.3	496.6
127.5°	541.1	540.7	540.4	540.0	540.4	540.7	541.1	541.4	541.7	541.8	542.0
130°	571.1	570.7	570.4	570.0	570.4	570.7	571.1	571.4	571.7	571.9	572.0
132.5°	599.7	599.2	598.7	598.2	598.7	599.2	599.7	600.1	600.5	600.6	600.8
135°	644.1	643.4	642.7	642.0	642.7	643.4	644.1	644.8	645.1	645.1	645.1
137.5°	687.4	686.6	685.7	684.8	685.7	686.6	687.4	688.3	688.6	688.4	688.2
140°	715.0	714.1	713.2	712.4	713.2	714.1	715.0	715.8	716.1	715.7	715.4
142.5°	741.2	740.4	739.5	738.6	739.5	740.4	741.2	742.1	742.4	742.2	742.0
145°	779.6	779.1	778.6	778.0	778.6	779.1	779.6	780.1	780.4	780.4	780.4
147.5°	815.2	814.0	812.9	811.7	812.9	814.0	815.2	816.4	816.8	816.4	815.9
150°	837.7	837.4	837.0	836.7	837.0	837.4	837.7	838.1	838.3	838.3	838.3
152.5°	859.2	858.6	858.0	857.3	858.0	858.6	859.2	859.8	859.9	859.5	859.1
155°	889.3	888.5	887.6	886.7	887.6	888.5	889.3	890.2	890.3	889.6	888.9
157.5°	914.7	913.6	912.4	911.3	912.4	913.6	914.7	915.9	916.1	915.4	914.7
160°	930.8	929.9	929.0	928.2	929.0	929.9	930.8	931.7	931.7	931.0	930.4
162.5°	945.6	944.6	943.6	942.6	943.6	944.6	945.6	946.6	946.7	945.9	945.0
165°	964.9	963.9	962.8	961.8	962.8	963.9	964.9	966.0	966.1	965.5	964.8
167.5°	980.4	979.3	978.2	977.1	978.2	979.3	980.4	981.4	981.5	980.4	979.4
170°	988.9	987.7	986.5	985.3	986.5	987.7	988.9	990.1	990.2	989.2	988.1
172.5°	995.4	994.3	993.2	992.1	993.2	994.3	995.4	996.5	996.5	995.4	994.4
175°	1002.2	1001.0	999.8	998.6	999.8	1001.0	1002.2	1003.4	1003.5	1002.5	1001.4
177.5°	1005.2	1004.3	1003.3	1002.3	1003.3	1004.3	1005.2	1006.2	1006.3	1005.4	1004.6
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333503

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	539.6	541.6	542.7	545.3	549.0	550.9	553.4	555.3	557.9	561.0	563.6
5°	504.6	510.2	513.9	519.7	525.0	530.3	537.0	541.8	548.3	555.7	561.5
7.5°	472.2	479.1	485.3	492.9	501.7	508.5	517.3	526.2	536.3	546.8	556.7
10°	451.5	458.4	466.1	475.5	484.3	493.6	504.0	514.4	527.1	538.8	552.2
12.5°	431.0	438.7	447.2	457.8	468.4	480.2	490.8	502.5	516.2	531.5	545.8
15°	405.5	412.9	422.2	431.2	443.4	456.4	470.4	485.9	501.2	518.3	536.1
17.5°	378.2	386.3	396.5	407.0	419.8	435.0	448.8	465.8	482.9	502.8	523.8
20°	360.5	368.8	380.8	392.3	404.1	418.9	435.3	452.7	470.9	491.9	515.3
22.5°	346.4	352.3	364.2	375.9	389.7	404.9	420.9	439.0	458.9	480.7	505.1
25°	325.6	332.5	341.1	353.3	367.6	383.6	399.7	418.9	440.6	462.8	488.9
27.5°	307.0	312.7	321.2	330.8	345.1	361.6	378.8	398.8	421.1	443.7	471.1
30°	293.9	300.2	308.2	318.4	329.7	347.8	365.3	385.0	407.6	430.9	459.1
32.5°	282.5	288.9	295.9	305.5	317.7	333.7	351.8	371.1	394.1	418.2	445.6
35°	266.4	270.8	277.3	286.8	298.8	311.7	330.2	350.5	372.9	397.9	425.4
37.5°	248.0	253.7	260.1	268.4	278.9	292.9	310.1	330.7	351.5	375.3	400.4
40°	237.3	242.6	249.8	255.8	266.9	279.6	295.3	316.8	337.6	360.0	382.9
42.5°	226.4	231.5	237.6	245.1	255.0	267.4	282.0	302.0	324.3	345.4	364.6
45°	209.3	214.7	220.4	227.4	236.6	248.6	263.2	281.4	300.8	320.3	334.8
47.5°	193.0	198.0	203.5	210.6	219.1	230.7	243.7	259.9	278.7	295.2	305.6
50°	181.4	186.0	192.0	198.9	207.3	218.1	230.6	246.5	262.3	277.3	286.8
52.5°	169.9	175.1	181.1	187.1	195.1	205.9	217.5	231.2	246.2	258.4	266.2
55°	152.7	157.6	163.1	169.4	177.2	186.5	198.7	209.6	221.4	231.8	236.4
57.5°	136.1	140.4	145.6	152.1	159.2	167.8	177.5	187.9	196.2	203.6	208.8
60°	125.2	128.9	133.8	139.3	147.0	154.8	163.6	173.3	179.8	186.0	190.9
62.5°	114.1	117.7	122.3	127.3	134.0	141.3	149.7	157.6	163.9	168.1	173.7
65°	97.5	101.0	104.9	110.2	115.5	121.5	129.2	134.9	139.3	144.0	147.4
67.5°	82.0	84.9	88.6	92.8	97.3	103.1	109.0	113.8	116.8	119.6	123.7
70°	71.9	74.2	77.2	80.4	85.3	91.0	95.7	99.4	101.4	104.2	109.3
72.5°	61.5	64.2	67.0	70.2	74.2	79.0	83.1	86.8	88.1	90.3	93.6
75°	48.5	49.9	52.2	54.5	57.3	61.5	65.4	66.3	67.5	69.3	71.6
77.5°	36.7	37.9	38.9	40.4	42.6	45.9	48.0	49.4	49.7	50.4	52.6
80°	29.1	29.8	30.7	31.9	32.8	35.6	36.7	38.1	38.6	39.3	40.4
82.5°	21.4	22.0	22.6	23.6	25.0	26.2	27.3	28.7	28.8	29.3	29.5
85°	12.5	12.7	12.2	12.7	12.9	13.4	14.6	15.7	15.5	15.3	15.9
87.5°	7.1	6.9	6.5	6.8	6.2	6.2	5.9	5.8	5.9	6.0	6.1
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°	31.2	30.0	28.5	27.0	25.5	24.0	22.8	21.8	20.9	19.9	18.9
95°	61.4	60.2	58.5	56.7	55.0	53.3	52.2	51.9	51.5	51.2	50.8
97.5°	97.0	95.9	93.5	91.1	88.7	86.3	85.0	84.9	84.7	84.6	84.5
100°	121.2	119.6	117.4	115.1	112.9	110.6	109.5	109.5	109.5	109.5	109.5
102.5°	146.4	144.7	143.5	142.4	141.2	140.1	139.2	138.5	137.8	137.1	136.4
105°	187.9	186.9	185.8	184.8	183.8	182.7	181.8	180.9	180.0	179.2	178.3
107.5°	232.6	232.1	231.3	230.5	229.7	228.9	228.1	227.2	226.3	225.4	224.6
110°	263.3	262.7	262.2	261.7	261.2	260.7	260.0	259.1	258.2	257.4	256.5



TEST NUMBER: P333503

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	294.3	294.0	293.4	292.7	292.0	291.4	290.8	290.4	289.9	289.5	289.0
115°	341.5	341.7	341.4	341.0	340.7	340.3	339.8	339.1	338.4	337.7	337.0
117.5°	388.1	388.0	387.7	387.4	387.1	386.8	386.4	386.1	385.8	385.5	385.2
120°	419.9	419.9	419.7	419.6	419.4	419.2	418.7	417.8	417.0	416.1	415.2
122.5°	451.0	451.2	450.7	450.3	449.8	449.4	449.0	448.7	448.4	448.1	447.7
125°	497.0	497.3	497.1	497.0	496.8	496.6	496.0	495.0	493.9	492.9	491.8
127.5°	542.2	542.4	542.2	541.9	541.7	541.5	541.1	540.5	539.9	539.4	538.8
130°	572.2	572.4	572.0	571.7	571.3	571.0	570.4	569.5	568.7	567.8	566.9
132.5°	601.0	601.2	601.2	601.3	601.4	601.4	600.8	599.3	597.9	596.5	595.1
135°	645.1	645.1	644.9	644.8	644.6	644.4	643.8	642.8	641.7	640.7	639.6
137.5°	688.0	687.8	687.4	687.0	686.7	686.3	685.6	684.6	683.6	682.6	681.6
140°	715.1	714.7	714.2	713.7	713.1	712.6	711.9	711.1	710.2	709.3	708.5
142.5°	741.8	741.6	740.9	740.3	739.6	739.0	738.3	737.5	736.8	736.1	735.4
145°	780.4	780.4	779.9	779.3	778.8	778.3	777.7	777.0	776.3	775.6	774.9
147.5°	815.5	815.1	814.7	814.3	813.9	813.4	813.0	812.7	812.3	811.9	811.5
150°	838.3	838.3	837.6	836.9	836.2	835.5	835.2	835.4	835.6	835.7	835.9
152.5°	858.7	858.3	858.0	857.7	857.4	857.2	856.9	856.7	856.4	856.2	855.9
155°	888.2	887.5	887.3	887.2	887.0	886.8	886.7	886.7	886.7	886.7	886.7
157.5°	914.0	913.3	913.1	913.0	912.8	912.6	912.7	913.1	913.5	913.9	914.3
160°	929.7	929.0	928.8	928.6	928.4	928.3	928.4	929.0	929.5	930.0	930.5
162.5°	944.2	943.4	943.3	943.3	943.2	943.2	943.4	943.8	944.1	944.5	944.9
165°	964.1	963.4	963.2	963.0	962.8	962.7	962.8	963.1	963.5	963.8	964.2
167.5°	978.3	977.3	977.3	977.3	977.3	977.3	977.6	978.3	979.0	979.7	980.4
170°	987.1	986.0	986.0	986.0	986.0	986.0	986.4	987.1	987.8	988.5	989.2
172.5°	993.3	992.3	992.3	992.3	992.3	992.3	992.6	993.3	994.0	994.7	995.4
175°	1000.4	999.3	999.3	999.3	999.3	999.3	999.7	1000.4	1001.1	1001.8	1002.5
177.5°	1003.8	1002.9	1003.1	1003.2	1003.4	1003.5	1003.8	1004.4	1005.0	1005.5	1006.1
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333503

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	565.6	567.3	569.7	572.5	574.7	577.1	578.4	578.4	579.5	581.9	585.1
5°	567.3	573.3	579.0	586.4	592.2	598.9	604.0	608.9	613.2	618.8	624.6
7.5°	566.8	576.8	587.2	598.8	611.7	621.9	632.4	640.6	648.7	659.4	667.7
10°	565.0	577.9	592.0	606.8	623.0	637.0	649.8	661.3	672.4	684.0	694.4
12.5°	561.6	578.1	595.3	613.1	633.5	649.6	666.0	678.3	691.3	703.9	716.7
15°	556.6	576.0	596.8	621.6	646.5	664.5	680.7	696.7	708.7	723.0	735.3
17.5°	546.3	571.3	597.5	624.5	648.5	669.4	686.4	701.6	714.4	730.1	746.8
20°	540.2	567.3	594.5	623.4	646.3	667.8	684.2	699.9	715.8	736.4	756.7
22.5°	531.7	560.6	589.5	616.9	641.1	661.9	678.8	698.0	719.0	742.3	766.9
25°	518.3	548.1	576.7	602.8	626.4	647.7	670.8	696.7	722.1	752.8	788.2
27.5°	501.2	530.0	555.5	583.1	606.5	633.6	662.4	690.5	727.1	769.4	813.5
30°	488.5	515.7	540.0	566.1	592.7	622.5	654.8	687.9	731.6	781.2	833.7
32.5°	473.7	498.4	522.4	547.6	578.3	611.0	645.4	685.8	738.0	794.5	848.8
35°	448.0	470.2	493.6	521.5	554.1	589.7	633.6	682.8	745.9	806.6	855.4
37.5°	421.1	438.7	462.1	491.6	527.1	568.2	618.1	677.9	742.6	797.2	817.9
40°	400.4	416.8	441.6	472.5	507.7	552.7	608.6	670.1	735.3	773.1	771.5
42.5°	379.9	396.5	420.3	451.5	488.1	538.5	596.1	659.9	714.9	729.3	699.3
45°	348.4	363.9	387.3	418.7	458.0	510.9	571.4	632.7	667.8	644.4	584.8
47.5°	316.4	331.4	353.1	383.8	426.7	482.1	539.4	589.6	594.5	544.4	472.9
50°	295.3	309.4	330.0	362.8	404.4	458.4	513.7	553.2	540.9	479.7	406.0
52.5°	274.8	288.3	307.6	338.6	381.1	434.0	483.3	514.4	486.0	420.9	354.6
55°	244.5	257.4	276.8	305.2	343.8	392.3	435.6	446.9	405.3	339.7	286.1
57.5°	215.7	225.2	244.3	269.5	306.7	349.5	380.4	378.4	332.5	273.4	234.9
60°	196.6	205.2	223.4	246.5	281.9	320.3	342.0	332.7	286.3	237.5	200.6
62.5°	178.9	186.9	202.2	223.4	253.8	287.2	303.0	290.2	246.4	203.5	174.1
65°	152.0	157.8	170.1	189.7	213.5	236.6	250.7	232.0	193.2	160.8	138.6
67.5°	126.9	131.9	142.8	156.9	173.3	189.3	195.0	177.5	147.3	125.5	109.8
70°	110.7	115.3	122.7	135.9	146.7	158.0	160.8	145.1	119.9	103.3	93.6
72.5°	95.2	99.4	105.9	115.2	122.7	129.2	130.5	115.9	96.6	85.2	77.7
75°	72.6	76.3	80.4	83.9	88.7	89.9	89.4	78.1	67.7	60.1	55.9
77.5°	53.3	54.9	57.4	58.8	59.0	58.9	56.6	49.4	44.0	40.9	39.2
80°	41.1	42.3	43.0	43.4	43.7	41.4	38.8	34.4	32.6	30.7	28.7
82.5°	29.9	30.6	31.3	31.4	30.2	28.2	25.9	23.7	22.4	21.5	20.7
85°	16.2	16.4	16.2	15.0	13.4	12.7	12.2	11.8	11.6	11.3	11.3
87.5°	6.2	5.9	5.2	5.7	6.0	6.0	6.3	6.3	6.4	6.6	6.7
90°	2.2	3.6	5.0	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.2
92.5°	19.9	20.9	21.8	22.8	24.0	25.5	27.0	28.5	30.0	31.2	32.3
95°	51.2	51.5	51.9	52.2	53.3	55.0	56.7	58.5	60.2	61.4	62.6
97.5°	84.6	84.7	84.9	85.0	86.3	88.7	91.1	93.5	95.9	97.0	98.2
100°	109.5	109.5	109.5	109.5	110.6	112.9	115.1	117.4	119.6	121.2	122.8
102.5°	137.1	137.8	138.5	139.2	140.1	141.2	142.4	143.5	144.7	146.4	148.1
105°	179.2	180.0	180.9	181.8	182.7	183.8	184.8	185.8	186.9	187.9	189.0
107.5°	225.4	226.3	227.2	228.1	228.9	229.7	230.5	231.3	232.1	232.6	233.1
110°	257.4	258.2	259.1	260.0	260.7	261.2	261.7	262.2	262.7	263.3	263.8



TEST NUMBER: P333503

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	289.5	289.9	290.4	290.8	291.4	292.0	292.7	293.4	294.0	294.3	294.5
115°	337.7	338.4	339.1	339.8	340.3	340.7	341.0	341.4	341.7	341.5	341.4
117.5°	385.5	385.8	386.1	386.4	386.8	387.1	387.4	387.7	388.0	388.1	388.3
120°	416.1	417.0	417.8	418.7	419.2	419.4	419.6	419.7	419.9	419.9	419.9
122.5°	448.1	448.4	448.7	449.0	449.4	449.8	450.3	450.7	451.2	451.0	450.9
125°	492.9	493.9	495.0	496.0	496.6	496.8	497.0	497.1	497.3	497.0	496.6
127.5°	539.4	539.9	540.5	541.1	541.5	541.7	541.9	542.2	542.4	542.2	542.0
130°	567.8	568.7	569.5	570.4	571.0	571.3	571.7	572.0	572.4	572.2	572.0
132.5°	596.5	597.9	599.3	600.8	601.4	601.4	601.3	601.2	601.2	601.0	600.8
135°	640.7	641.7	642.8	643.8	644.4	644.6	644.8	644.9	645.1	645.1	645.1
137.5°	682.6	683.6	684.6	685.6	686.3	686.7	687.0	687.4	687.8	688.0	688.2
140°	709.3	710.2	711.1	711.9	712.6	713.1	713.7	714.2	714.7	715.1	715.4
142.5°	736.1	736.8	737.5	738.3	739.0	739.6	740.3	740.9	741.6	741.8	742.0
145°	775.6	776.3	777.0	777.7	778.3	778.8	779.3	779.9	780.4	780.4	780.4
147.5°	811.9	812.3	812.7	813.0	813.4	813.9	814.3	814.7	815.1	815.5	815.9
150°	835.7	835.6	835.4	835.2	835.5	836.2	836.9	837.6	838.3	838.3	838.3
152.5°	856.2	856.4	856.7	856.9	857.2	857.4	857.7	858.0	858.3	858.7	859.1
155°	886.7	886.7	886.7	886.7	886.8	887.0	887.2	887.3	887.5	888.2	888.9
157.5°	913.9	913.5	913.1	912.7	912.6	912.8	913.0	913.1	913.3	914.0	914.7
160°	930.0	929.5	929.0	928.4	928.3	928.4	928.6	928.8	929.0	929.7	930.4
162.5°	944.5	944.1	943.8	943.4	943.2	943.2	943.3	943.3	943.4	944.2	945.0
165°	963.8	963.5	963.1	962.8	962.7	962.8	963.0	963.2	963.4	964.1	964.8
167.5°	979.7	979.0	978.3	977.6	977.3	977.3	977.3	977.3	977.3	978.3	979.4
170°	988.5	987.8	987.1	986.4	986.0	986.0	986.0	986.0	986.0	987.1	988.1
172.5°	994.7	994.0	993.3	992.6	992.3	992.3	992.3	992.3	992.3	993.3	994.4
175°	1001.8	1001.1	1000.4	999.7	999.3	999.3	999.3	999.3	999.3	1000.4	1001.4
177.5°	1005.5	1005.0	1004.4	1003.8	1003.5	1003.4	1003.2	1003.1	1002.9	1003.8	1004.6
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	587.5	587.5	590.6	590.4	592.5	591.7	592.1
5°	631.5	635.4	638.9	641.2	644.7	645.6	645.1
7.5°	677.2	685.9	690.1	696.0	697.0	700.1	699.8
10°	705.4	714.0	720.5	725.5	728.1	731.3	731.6
12.5°	727.6	734.9	740.6	745.3	748.4	749.4	750.0
15°	745.0	753.0	759.7	766.4	770.4	773.4	775.0
17.5°	762.4	774.9	786.7	795.8	801.3	805.9	805.9
20°	775.9	790.2	805.0	815.4	826.1	830.7	831.4
22.5°	790.3	812.2	831.3	847.4	861.4	866.2	868.0
25°	820.3	848.9	878.3	900.9	917.1	926.6	928.0
27.5°	856.5	895.2	926.1	947.0	960.4	967.5	969.0
30°	882.0	917.8	945.5	961.2	967.5	968.4	964.9
32.5°	893.4	920.2	931.3	930.4	918.1	910.0	906.9
35°	879.4	873.9	846.9	814.5	789.8	774.1	769.9
37.5°	800.3	752.5	702.8	653.9	627.9	614.6	591.9
40°	722.3	654.1	602.4	561.3	531.9	508.3	502.8
42.5°	634.3	563.9	512.2	477.0	453.5	437.4	430.3
45°	509.7	449.2	406.4	379.4	361.4	349.6	344.3
47.5°	407.7	360.8	329.7	309.7	295.9	285.7	282.8
50°	351.7	314.2	287.9	271.0	260.6	252.8	249.6
52.5°	305.5	275.2	255.0	241.1	231.3	226.4	223.7
55°	252.1	226.0	211.4	200.3	194.8	190.9	189.0
57.5°	206.2	187.3	176.7	169.0	163.9	161.4	160.5
60°	180.5	165.7	156.0	150.0	146.5	143.3	142.3
62.5°	157.7	146.1	138.6	133.3	129.9	128.5	127.9
65°	127.1	119.5	113.9	110.7	107.9	107.4	107.2
67.5°	101.0	96.5	93.6	90.3	89.3	87.7	87.3
70°	86.4	83.4	79.9	78.8	77.6	76.0	76.3
72.5°	73.3	70.3	67.9	66.4	66.0	65.3	65.9
75°	53.6	52.7	51.8	50.6	50.1	50.1	49.9
77.5°	38.3	37.5	36.5	35.8	35.6	34.7	35.0
80°	27.7	26.6	26.1	26.3	25.6	25.4	25.4
82.5°	20.5	20.1	19.6	19.7	19.5	19.3	19.5
85°	11.3	11.1	11.1	10.9	10.9	10.6	10.6
87.5°	7.1	7.4	7.2	7.1	7.2	7.5	7.8
90°	15.1	16.0	16.7	17.2	17.7	18.2	18.8
92.5°	33.5	34.6	35.4	35.8	36.1	36.5	36.9
95°	63.9	65.1	65.9	66.2	66.6	66.9	67.2
97.5°	99.3	100.5	101.1	101.3	101.5	101.8	102.0
100°	124.3	125.9	126.9	127.2	127.5	127.9	128.2
102.5°	149.8	151.5	152.6	153.1	153.5	154.0	154.5
105°	190.0	191.1	191.8	192.4	192.9	193.4	193.9
107.5°	233.6	234.2	234.4	234.4	234.3	234.3	234.3
110°	264.3	264.8	265.0	264.8	264.6	264.5	264.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	294.7	295.0	295.0	294.6	294.3	294.0	293.7
115°	341.2	341.0	340.8	340.7	340.5	340.3	340.2
117.5°	388.4	388.6	388.3	387.6	386.9	386.2	385.5
120°	419.9	419.9	419.6	418.9	418.2	417.5	416.8
122.5°	450.8	450.6	450.3	449.7	449.2	448.6	448.1
125°	496.3	495.9	495.7	495.5	495.3	495.2	495.0
127.5°	541.8	541.7	541.4	541.1	540.7	540.4	540.0
130°	571.9	571.7	571.4	571.1	570.7	570.4	570.0
132.5°	600.6	600.5	600.1	599.7	599.2	598.7	598.2
135°	645.1	645.1	644.8	644.1	643.4	642.7	642.0
137.5°	688.4	688.6	688.3	687.4	686.6	685.7	684.8
140°	715.7	716.1	715.8	715.0	714.1	713.2	712.4
142.5°	742.2	742.4	742.1	741.2	740.4	739.5	738.6
145°	780.4	780.4	780.1	779.6	779.1	778.6	778.0
147.5°	816.4	816.8	816.4	815.2	814.0	812.9	811.7
150°	838.3	838.3	838.1	837.7	837.4	837.0	836.7
152.5°	859.5	859.9	859.8	859.2	858.6	858.0	857.3
155°	889.6	890.3	890.2	889.3	888.5	887.6	886.7
157.5°	915.4	916.1	915.9	914.7	913.6	912.4	911.3
160°	931.0	931.7	931.7	930.8	929.9	929.0	928.2
162.5°	945.9	946.7	946.6	945.6	944.6	943.6	942.6
165°	965.5	966.1	966.0	964.9	963.9	962.8	961.8
167.5°	980.4	981.5	981.4	980.4	979.3	978.2	977.1
170°	989.2	990.2	990.1	988.9	987.7	986.5	985.3
172.5°	995.4	996.5	996.5	995.4	994.3	993.2	992.1
175°	1002.5	1003.5	1003.4	1002.2	1001.0	999.8	998.6
177.5°	1005.4	1006.3	1006.2	1005.2	1004.3	1003.3	1002.3
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8

(END OF REPORT)