

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: P333498-940

Luminaire Tested: **S125RDIP-S375D590U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333498-940
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: S125RDIP-S375D590U940-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3193.8 lumens
Efficiency: N/A
Efficacy: 124.8 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: General Diffuse

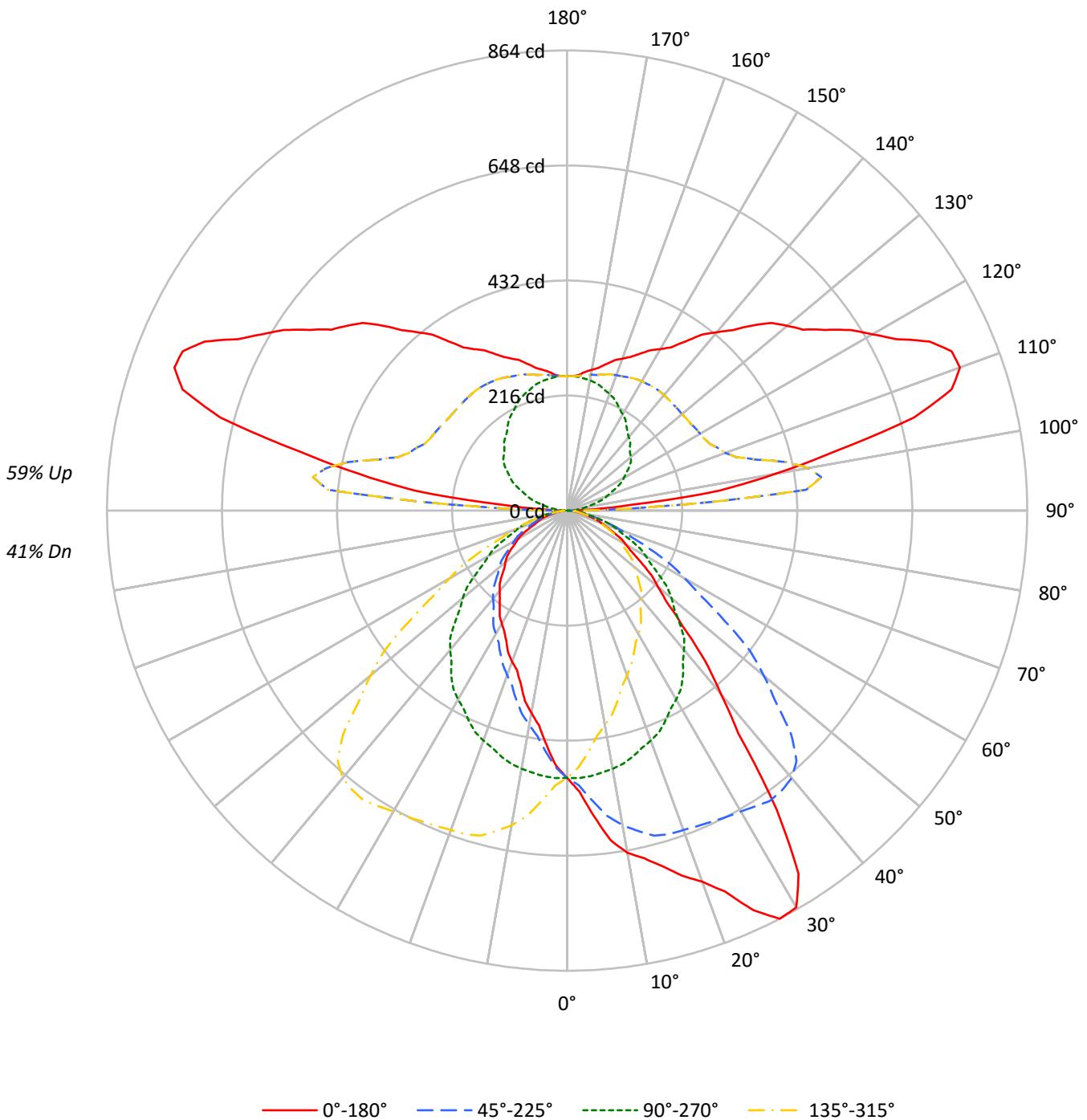
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	0	
RCR																						
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41				
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41	35				
2	88	81	75	70	80	74	69	64	61	57	54	49	46	44	38	36	35	30				
3	80	71	64	58	73	65	59	54	54	49	46	43	40	38	34	32	30	26				
4	73	63	55	50	67	58	51	46	48	43	39	39	35	33	30	28	26	22				
5	67	56	48	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19				
6	62	50	43	37	56	46	39	34	39	34	30	32	28	25	25	22	20	17				
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15				
8	53	41	34	29	48	38	31	27	32	27	23	26	22	20	21	18	16	14				
9	50	38	30	25	45	35	28	24	29	24	21	24	20	18	19	17	15	12				
10	46	34	27	23	42	32	26	21	27	22	19	22	19	16	18	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3241	3241	3241	3241
5°	3729	3246	2867	3246
10°	4278	3229	2530	3229
15°	4621	3196	2249	3196
20°	5096	3158	2076	3158
25°	5897	3107	1927	3107
30°	6416	3053	1829	3053
35°	5412	2990	1738	2990
40°	3780	2878	1661	2878
45°	2804	2726	1585	2726
50°	2237	2569	1519	2569
55°	1897	2374	1462	2374
60°	1639	2198	1368	2198
65°	1461	2008	1177	2008
70°	1284	1841	1074	1841
75°	1110	1592	1008	1592
80°	841	1339	841	1339
85°	704	1052	793	1052



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	1.5
10°-20°	141.1	4.4
20°-30°	223.6	7.0
30°-40°	269.7	8.4
40°-50°	240.9	7.5
50°-60°	184.7	5.8
60°-70°	120.0	3.8
70°-80°	58.3	1.8
80°-90°	15.3	0.5
90°-100°	182.9	5.7
100°-110°	393.1	12.3
110°-120°	369.0	11.6
120°-130°	299.0	9.4
130°-140°	240.0	7.5
140°-150°	181.1	5.7
150°-160°	127.5	4.0
160°-170°	75.1	2.4
170°-180°	24.4	0.8
0°-30°	412.8	12.9
0°-40°	682.5	21.4
0°-60°	1108.1	34.7
0°-90°	1301.8	40.8
90°-120°	945.0	29.6
90°-150°	1665.0	52.1
90°-180°	1892.0	59.2
0°-180°	3193.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	502	502	502	502	502	
5°	575	501	442	501	575	57
15°	691	478	336	478	691	198
25°	828	436	270	436	828	380
35°	686	379	220	379	686	415
45°	307	298	174	298	307	245
55°	168	211	130	211	168	153
65°	96	131	77	131	96	95
75°	44	64	40	64	44	47
85°	10	14	11	14	10	11
90°	12	0	12	0	12	8
95°	120	17	120	17	120	169
105°	674	58	674	58	674	670
115°	751	103	751	103	751	734
125°	592	142	592	142	592	535
135°	491	167	491	167	491	381
145°	388	194	388	194	388	246
155°	325	222	325	222	325	151
165°	285	242	285	242	285	81
175°	256	252	256	252	256	25
180°	252	252	252	252	252	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	528.0	527.6	528.3	526.5	526.6	523.9	523.9	521.7	518.9	516.7	515.8
5°	575.2	575.7	574.9	571.8	569.7	566.6	563.1	557.0	551.8	546.8	543.0
7.5°	624.0	624.3	621.5	620.6	615.4	611.6	603.9	595.4	588.0	578.5	571.2
10°	652.4	652.1	649.3	646.9	642.5	636.7	629.0	619.2	609.9	599.6	589.7
12.5°	668.8	668.2	667.4	664.6	660.4	655.3	648.8	639.1	627.7	616.4	604.8
15°	691.1	689.6	687.0	683.4	677.4	671.5	664.3	655.7	644.7	632.0	621.3
17.5°	718.6	718.6	714.5	709.6	701.5	691.0	679.8	665.9	651.0	637.0	625.6
20°	741.4	740.7	736.6	727.1	717.8	704.6	691.9	674.8	656.7	638.3	624.1
22.5°	774.0	772.4	768.1	755.6	741.3	724.2	704.7	683.9	661.9	641.1	622.4
25°	827.5	826.3	817.8	803.3	783.2	757.0	731.5	702.8	671.3	643.9	621.3
27.5°	864.1	862.7	856.4	844.5	825.8	798.3	763.8	725.4	686.1	648.4	615.7
30°	860.4	863.5	862.7	857.1	843.1	818.4	786.5	743.4	696.6	652.4	613.4
32.5°	808.7	811.5	818.7	829.6	830.5	820.6	796.7	756.9	708.5	658.1	611.5
35°	686.5	690.3	704.3	726.3	755.2	779.3	784.2	762.8	719.3	665.1	608.9
37.5°	527.8	548.0	559.9	583.1	626.7	671.0	713.6	729.3	710.9	662.2	604.5
40°	448.4	453.3	474.3	500.5	537.2	583.3	644.1	688.0	689.4	655.7	597.5
42.5°	383.7	390.0	404.4	425.3	456.7	502.8	565.6	623.6	650.3	637.5	588.4
45°	307.0	311.7	322.3	338.3	362.4	400.6	454.5	521.5	574.6	595.5	564.2
47.5°	252.2	254.8	263.9	276.2	294.0	321.7	363.6	421.7	485.4	530.1	525.8
50°	222.6	225.4	232.4	241.7	256.7	280.2	313.6	362.0	427.8	482.3	493.3
52.5°	199.5	201.9	206.3	215.0	227.4	245.4	272.4	316.2	375.3	433.4	458.7
55°	168.5	170.2	173.7	178.6	188.5	201.5	224.8	255.1	302.9	361.4	398.5
57.5°	143.1	143.9	146.2	150.7	157.6	167.0	183.9	209.5	243.8	296.5	337.4
60°	126.9	127.8	130.6	133.8	139.1	147.8	161.0	178.9	211.8	255.3	296.7
62.5°	114.0	114.6	115.8	118.9	123.6	130.3	140.6	155.2	181.5	219.7	258.8
65°	95.6	95.8	96.2	98.7	101.6	106.6	113.3	123.6	143.4	172.3	206.9
67.5°	77.8	78.2	79.6	80.5	83.5	86.1	90.1	97.9	111.9	131.3	158.3
70°	68.0	67.8	69.2	70.3	71.2	74.4	77.0	83.5	92.1	106.9	129.4
72.5°	58.8	58.2	58.9	59.2	60.5	62.7	65.4	69.3	76.0	86.1	103.3
75°	44.5	44.7	44.7	45.1	46.2	47.0	47.8	49.8	53.6	60.4	69.6
77.5°	31.2	30.9	31.7	31.9	32.5	33.4	34.2	35.0	36.5	39.2	44.1
80°	22.6	22.6	22.8	23.5	23.3	23.7	24.7	25.6	27.4	29.1	30.7
82.5°	17.4	17.2	17.4	17.6	17.5	17.9	18.3	18.5	19.2	20.0	21.1
85°	9.5	9.5	9.7	9.7	9.9	9.9	10.1	10.1	10.1	10.3	10.5
87.5°	6.0	5.8	5.5	5.5	5.7	5.8	5.5	5.3	5.2	5.1	5.1
90°	11.7	11.7	11.1	11.1	11.1	10.2	9.6	9.2	8.6	8.1	7.1
92.5°	32.5	33.3	34.0	35.2	41.7	49.2	65.5	90.2	132.8	164.0	166.7
95°	119.6	127.7	131.7	147.0	183.2	225.9	288.4	365.7	441.0	450.7	367.7
97.5°	288.9	295.4	310.1	338.7	370.1	429.5	490.4	544.7	558.0	481.3	328.4
100°	396.7	404.9	423.7	460.3	495.4	548.3	600.7	625.6	586.5	459.3	293.0
102.5°	517.2	523.3	543.8	569.8	607.3	643.1	668.2	652.9	569.4	420.6	266.1
105°	674.0	680.1	690.3	707.0	723.3	728.9	706.5	636.9	514.8	368.8	240.0
107.5°	757.2	761.3	764.6	764.7	756.4	730.0	672.4	579.4	459.1	333.1	229.1
110°	784.9	784.9	781.3	771.6	748.8	705.5	633.8	537.2	427.3	316.4	225.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	781.6	777.9	769.1	752.5	719.1	668.1	595.6	503.8	403.7	306.7	225.9
115°	750.8	744.1	730.0	705.5	665.8	610.4	540.7	461.8	377.9	296.0	227.4
117.5°	696.8	692.7	678.6	653.4	613.7	562.8	502.7	434.8	362.6	290.9	230.7
120°	661.7	657.7	644.0	619.6	581.9	537.2	481.2	420.2	354.0	288.4	234.0
122.5°	630.8	627.1	613.4	591.0	557.5	515.6	465.7	409.2	346.7	286.4	236.8
125°	591.6	586.5	575.3	554.5	525.9	489.4	445.1	393.2	336.7	283.8	241.7
127.5°	558.0	555.7	545.2	526.7	501.0	466.6	425.3	376.9	327.6	282.6	247.0
130°	539.7	536.6	526.5	509.7	484.2	451.2	411.5	366.8	321.5	281.8	250.3
132.5°	521.4	517.9	508.5	491.8	466.4	434.5	398.5	356.6	316.6	281.8	254.0
135°	491.3	488.3	479.1	462.4	440.0	411.0	378.4	343.3	310.8	281.8	258.9
137.5°	459.3	455.9	447.5	432.2	412.2	387.6	360.5	332.2	305.6	282.4	263.5
140°	436.9	434.4	426.8	413.6	394.8	373.4	350.0	326.0	303.2	282.9	265.6
142.5°	416.2	414.0	406.8	395.7	379.7	361.1	341.0	320.7	301.1	283.2	266.7
145°	387.6	385.6	380.0	371.3	359.1	345.4	329.6	313.9	298.1	282.9	268.0
147.5°	363.4	362.5	359.2	352.3	342.6	332.3	320.1	307.4	294.9	281.5	268.6
150°	350.0	349.5	347.4	341.3	333.7	324.5	314.9	303.6	292.5	280.3	268.6
152.5°	339.4	338.9	336.8	332.0	325.6	318.4	309.6	299.6	289.6	278.7	268.1
155°	325.0	324.5	323.0	319.4	314.3	308.7	301.7	293.5	284.8	275.7	267.1
157.5°	312.2	312.3	310.9	307.9	304.0	299.6	294.1	287.4	280.4	272.6	265.7
160°	303.6	304.2	303.2	300.6	297.0	293.5	288.4	283.3	276.7	270.6	264.5
162.5°	296.0	296.0	295.9	293.7	291.0	287.8	283.6	278.8	273.5	268.1	263.3
165°	284.8	284.8	284.8	283.8	281.8	279.3	276.2	272.6	268.6	264.5	261.4
167.5°	274.6	274.7	275.2	274.3	273.2	271.4	269.1	266.7	263.8	260.9	258.6
170°	268.6	269.1	269.1	268.6	267.5	266.5	265.0	263.5	260.9	258.9	257.3
172.5°	262.9	263.4	264.2	263.3	263.1	262.4	261.4	259.8	258.1	256.5	255.7
175°	255.8	256.4	257.3	256.9	256.9	256.9	255.8	255.8	254.3	253.8	253.8
177.5°	252.3	252.3	253.5	253.1	253.5	253.5	253.5	253.1	252.7	252.3	252.3
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	515.8	514.6	512.5	510.5	508.0	505.9	504.4	502.6	500.2	497.5	495.2
5°	538.6	534.0	528.1	522.9	516.3	511.2	505.9	500.7	495.5	488.9	483.1
7.5°	563.9	554.6	545.5	534.0	523.6	514.3	505.4	496.4	487.6	478.2	469.2
10°	579.4	568.0	555.5	541.1	527.9	515.3	503.8	492.4	480.5	470.0	458.7
12.5°	593.9	579.3	564.9	546.7	530.8	515.5	500.8	486.7	473.9	460.3	448.1
15°	607.0	592.5	576.5	554.3	532.2	513.6	496.3	478.0	462.2	446.9	433.3
17.5°	612.1	596.9	578.3	556.9	532.8	509.4	487.1	467.1	448.4	430.6	415.4
20°	610.1	595.5	576.3	555.9	530.1	505.9	481.7	459.5	438.6	419.9	403.7
22.5°	605.3	590.2	571.7	550.1	525.7	499.9	474.1	450.4	428.6	409.2	391.5
25°	598.2	577.6	558.6	537.5	514.2	488.7	462.2	436.0	412.7	392.9	373.5
27.5°	590.7	565.0	540.8	520.0	495.3	472.6	446.9	420.1	395.7	375.5	355.6
30°	583.9	555.1	528.5	504.8	481.5	459.9	435.6	409.4	384.2	363.5	343.3
32.5°	575.5	544.8	515.7	488.3	465.8	444.4	422.4	397.3	372.9	351.4	330.9
35°	565.0	525.8	494.1	465.0	440.1	419.3	399.5	379.3	354.8	332.5	312.5
37.5°	551.2	506.7	470.0	438.4	412.1	391.2	375.5	357.0	334.7	313.4	294.9
40°	542.7	492.8	452.7	421.3	393.8	371.7	357.0	341.4	321.0	301.0	282.5
42.5°	531.5	480.2	435.2	402.6	374.8	353.6	338.8	325.1	308.0	289.2	269.3
45°	509.5	455.6	408.4	373.4	345.4	324.5	310.7	298.5	285.6	268.2	250.9
47.5°	481.0	429.9	380.5	342.2	314.9	295.5	282.1	272.5	263.2	248.5	231.8
50°	458.1	408.8	360.6	323.5	294.3	275.9	263.3	255.7	247.3	233.9	219.8
52.5°	431.0	387.0	339.8	301.9	274.3	257.1	245.0	237.4	230.4	219.5	206.2
55°	388.4	349.8	306.6	272.2	246.8	229.5	218.0	210.8	206.7	197.4	186.9
57.5°	339.2	311.7	273.5	240.3	217.8	200.8	192.3	186.2	181.6	175.0	167.6
60°	305.0	285.6	251.4	219.8	199.2	183.0	175.3	170.2	165.9	160.3	154.5
62.5°	270.2	256.1	226.3	199.2	180.3	166.7	159.5	154.9	149.9	146.2	140.5
65°	223.6	211.0	190.4	169.2	151.7	140.7	135.5	131.4	128.4	124.2	120.3
67.5°	173.9	168.8	154.5	139.9	127.3	117.6	113.2	110.3	106.6	104.2	101.5
70°	143.4	140.9	130.8	121.2	109.4	102.8	98.7	97.5	92.9	90.4	88.6
72.5°	116.4	115.2	109.4	102.7	94.4	88.6	84.9	83.5	80.5	78.6	77.4
75°	79.7	80.2	79.1	74.8	71.7	68.0	64.7	63.8	61.8	60.2	59.1
77.5°	50.5	52.5	52.6	52.4	51.2	49.0	47.5	46.9	44.9	44.3	44.1
80°	34.6	36.9	39.0	38.7	38.3	37.7	36.6	36.0	35.0	34.4	34.0
82.5°	23.1	25.1	26.9	28.0	27.9	27.3	26.7	26.3	26.1	25.7	25.6
85°	10.9	11.3	11.9	13.4	14.4	14.6	14.4	14.2	13.6	13.8	14.0
87.5°	5.1	4.9	5.0	4.7	4.4	5.0	5.4	5.4	5.2	5.0	4.9
90°	6.6	5.6	5.1	4.1	3.0	2.1	1.0	0.5	1.0	2.1	3.0
92.5°	116.1	69.5	41.7	26.8	18.1	11.8	7.5	6.2	7.5	11.8	18.1
95°	227.4	115.5	61.1	38.2	26.9	21.4	17.3	16.8	17.3	21.4	26.9
97.5°	181.5	99.5	63.5	47.0	36.9	31.3	28.4	27.9	28.4	31.3	36.9
100°	164.8	98.7	69.2	53.9	44.2	38.7	36.6	35.6	36.6	38.7	44.2
102.5°	157.9	102.4	76.1	61.3	52.4	46.4	44.8	44.1	44.8	46.4	52.4
105°	155.2	109.9	87.5	73.2	65.1	60.0	57.5	57.5	57.5	60.0	65.1
107.5°	159.8	121.1	99.4	86.6	78.1	73.9	71.5	70.5	71.5	73.9	78.1
110°	164.3	129.2	108.3	95.1	87.5	82.9	80.9	79.9	80.9	82.9	87.5



TEST NUMBER: P333498-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	170.0	137.0	116.9	104.1	96.5	91.8	90.2	89.3	90.2	91.8	96.5
115°	178.5	149.0	130.2	117.5	109.9	105.3	103.8	102.7	103.8	105.3	109.9
117.5°	188.3	161.5	143.7	131.3	122.7	118.2	116.5	114.9	116.5	118.2	122.7
120°	194.8	170.4	152.6	139.9	131.3	126.6	124.7	123.1	124.7	126.6	131.3
122.5°	202.2	179.0	161.1	148.5	138.9	134.4	132.8	131.6	132.8	134.4	138.9
125°	212.1	190.2	173.4	160.2	150.5	146.0	143.5	142.4	143.5	146.0	150.5
127.5°	221.2	201.1	184.9	171.7	161.5	155.7	152.4	150.9	152.4	155.7	161.5
130°	227.4	208.0	192.3	179.1	168.4	161.8	157.7	156.1	157.7	161.8	168.4
132.5°	232.6	214.5	198.8	185.6	174.5	167.0	162.2	160.2	162.2	167.0	174.5
135°	240.0	223.3	207.5	193.8	183.2	175.0	168.9	166.8	168.9	175.0	183.2
137.5°	245.6	229.5	215.2	201.0	190.6	182.4	176.7	175.2	176.7	182.4	190.6
140°	249.2	234.0	219.3	205.5	195.8	187.7	181.6	180.0	181.6	187.7	195.8
142.5°	251.3	236.8	222.9	210.0	200.7	192.6	186.9	185.7	186.9	192.6	200.7
145°	254.3	241.7	228.4	216.7	207.5	200.4	195.3	194.3	195.3	200.4	207.5
147.5°	256.2	244.7	233.1	222.7	214.8	208.2	203.8	203.2	203.8	208.2	214.8
150°	257.3	246.7	235.5	226.9	219.7	213.1	209.6	208.6	209.6	213.1	219.7
152.5°	258.2	248.7	238.4	230.5	223.8	218.0	214.8	214.3	214.8	218.0	223.8
155°	258.9	250.7	242.1	235.0	229.9	224.8	221.8	221.8	221.8	224.8	229.9
157.5°	259.4	252.5	245.0	239.7	235.2	230.9	228.4	228.5	228.4	230.9	235.2
160°	259.4	253.3	246.7	242.1	238.1	234.5	232.5	233.0	232.5	234.5	238.1
162.5°	259.0	254.1	248.3	244.6	241.3	238.2	236.1	236.7	236.1	238.2	241.3
165°	258.4	254.3	250.3	247.2	245.1	242.6	241.1	242.1	241.1	242.6	245.1
167.5°	257.2	254.3	250.9	249.1	247.6	246.2	245.3	245.8	245.3	246.2	247.6
170°	256.4	254.3	251.8	250.3	249.2	248.3	247.7	248.3	247.7	248.3	249.2
172.5°	255.6	254.0	251.8	251.1	250.5	249.4	249.0	249.9	249.0	249.4	250.5
175°	254.3	253.3	251.8	251.8	251.8	251.3	250.7	251.8	250.7	251.3	251.8
177.5°	253.1	252.7	251.9	251.9	252.3	251.9	251.9	252.7	251.9	251.9	252.3
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333498-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	493.5	491.2	489.5	486.2	483.9	483.0	481.2	480.6	482.5	481.2	481.0
5°	478.8	472.9	468.1	463.4	458.3	455.0	450.0	449.2	447.9	446.1	445.7
7.5°	461.3	453.4	447.4	439.5	432.7	427.2	421.1	418.1	416.5	414.1	410.9
10°	449.4	440.1	431.9	424.0	415.6	408.8	402.6	397.9	394.8	391.9	390.7
12.5°	437.7	428.2	417.7	408.2	398.8	391.2	384.3	381.2	377.8	374.4	371.6
15°	419.5	407.0	395.4	384.5	376.5	368.2	361.6	357.0	352.0	350.4	344.9
17.5°	400.2	387.9	374.3	362.9	353.6	344.5	337.2	332.1	328.2	322.9	320.4
20°	388.2	373.5	360.3	349.8	339.6	328.9	321.5	317.1	313.4	309.1	307.0
22.5°	375.3	361.1	347.5	335.2	324.8	314.1	308.9	304.4	300.2	296.2	293.5
25°	356.4	342.1	327.8	315.0	304.2	296.5	290.3	285.2	282.9	279.0	276.1
27.5°	337.8	322.4	307.7	295.0	286.4	278.8	273.8	269.7	265.6	262.3	259.7
30°	325.7	310.1	294.0	283.9	274.8	267.7	262.1	258.2	255.1	252.0	250.1
32.5°	313.7	297.6	283.3	272.4	263.9	257.6	251.9	248.1	244.9	241.5	239.2
35°	294.4	277.9	266.4	255.7	247.3	241.5	237.6	232.2	229.5	227.0	224.8
37.5°	276.5	261.2	248.7	239.3	231.9	226.2	221.1	218.3	215.0	212.8	210.9
40°	263.3	249.3	238.0	228.1	222.7	216.3	211.6	207.9	205.5	202.5	200.5
42.5°	251.5	238.4	227.4	218.6	211.9	206.4	201.9	198.1	195.0	193.0	191.3
45°	234.7	221.7	211.0	202.8	196.5	191.5	186.6	184.9	180.7	178.3	177.4
47.5°	217.3	205.7	195.4	187.8	181.5	176.6	172.1	168.4	166.0	163.6	162.3
50°	205.6	194.5	184.9	177.4	171.2	165.9	161.8	159.3	156.1	153.9	152.3
52.5°	193.9	183.6	174.0	166.8	161.5	156.1	151.5	149.1	146.2	144.7	143.6
55°	177.2	166.3	158.0	151.1	145.4	140.5	136.2	133.8	131.9	130.5	130.0
57.5°	158.3	149.6	142.0	135.6	129.8	125.2	121.4	119.0	117.4	117.2	115.9
60°	145.9	138.0	131.1	124.2	119.3	114.9	111.6	109.0	107.4	107.2	106.7
62.5°	133.5	126.0	119.5	113.5	109.1	105.0	101.7	98.8	97.8	96.8	95.9
65°	115.2	108.3	103.0	98.3	93.5	90.1	86.9	85.1	82.8	81.6	79.4
67.5°	97.2	91.9	86.8	82.8	79.0	75.7	73.1	70.4	68.8	67.9	66.3
70°	85.3	81.1	76.1	71.7	68.8	66.2	64.1	61.0	59.9	59.1	58.3
72.5°	74.1	70.4	66.2	62.6	59.7	57.2	54.8	53.4	52.3	51.5	51.1
75°	58.3	54.8	51.1	48.6	46.5	44.5	43.2	42.3	41.8	41.6	40.8
77.5°	42.8	40.9	38.0	36.0	34.7	33.8	32.7	32.2	32.1	31.2	30.9
80°	32.7	31.7	29.2	28.4	27.4	26.6	25.9	25.0	23.9	23.5	22.8
82.5°	24.3	23.4	22.3	21.0	20.2	19.6	19.1	18.6	18.8	18.2	17.9
85°	13.0	11.9	11.5	11.3	10.9	11.3	11.1	10.9	10.7	10.5	10.7
87.5°	4.9	5.2	5.1	5.6	5.2	5.6	5.7	5.6	5.7	5.8	5.9
90°	4.1	5.1	5.6	6.6	7.1	8.1	8.6	9.2	9.6	10.2	11.1
92.5°	26.8	41.7	69.5	116.1	166.7	164.0	132.8	90.2	65.5	49.2	41.7
95°	38.2	61.1	115.5	227.4	367.7	450.7	441.0	365.7	288.4	225.9	183.2
97.5°	47.0	63.5	99.5	181.5	328.4	481.3	558.0	544.7	490.4	429.5	370.1
100°	53.9	69.2	98.7	164.8	293.0	459.3	586.5	625.6	600.7	548.3	495.4
102.5°	61.3	76.1	102.4	157.9	266.1	420.6	569.4	652.9	668.2	643.1	607.3
105°	73.2	87.5	109.9	155.2	240.0	368.8	514.8	636.9	706.5	728.9	723.3
107.5°	86.6	99.4	121.1	159.8	229.1	333.1	459.1	579.4	672.4	730.0	756.4
110°	95.1	108.3	129.2	164.3	225.9	316.4	427.3	537.2	633.8	705.5	748.8



TEST NUMBER: P333498-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	104.1	116.9	137.0	170.0	225.9	306.7	403.7	503.8	595.6	668.1	719.1
115°	117.5	130.2	149.0	178.5	227.4	296.0	377.9	461.8	540.7	610.4	665.8
117.5°	131.3	143.7	161.5	188.3	230.7	290.9	362.6	434.8	502.7	562.8	613.7
120°	139.9	152.6	170.4	194.8	234.0	288.4	354.0	420.2	481.2	537.2	581.9
122.5°	148.5	161.1	179.0	202.2	236.8	286.4	346.7	409.2	465.7	515.6	557.5
125°	160.2	173.4	190.2	212.1	241.7	283.8	336.7	393.2	445.1	489.4	525.9
127.5°	171.7	184.9	201.1	221.2	247.0	282.6	327.6	376.9	425.3	466.6	501.0
130°	179.1	192.3	208.0	227.4	250.3	281.8	321.5	366.8	411.5	451.2	484.2
132.5°	185.6	198.8	214.5	232.6	254.0	281.8	316.6	356.6	398.5	434.5	466.4
135°	193.8	207.5	223.3	240.0	258.9	281.8	310.8	343.3	378.4	411.0	440.0
137.5°	201.0	215.2	229.5	245.6	263.5	282.4	305.6	332.2	360.5	387.6	412.2
140°	205.5	219.3	234.0	249.2	265.6	282.9	303.2	326.0	350.0	373.4	394.8
142.5°	210.0	222.9	236.8	251.3	266.7	283.2	301.1	320.7	341.0	361.1	379.7
145°	216.7	228.4	241.7	254.3	268.0	282.9	298.1	313.9	329.6	345.4	359.1
147.5°	222.7	233.1	244.7	256.2	268.6	281.5	294.9	307.4	320.1	332.3	342.6
150°	226.9	235.5	246.7	257.3	268.6	280.3	292.5	303.6	314.9	324.5	333.7
152.5°	230.5	238.4	248.7	258.2	268.1	278.7	289.6	299.6	309.6	318.4	325.6
155°	235.0	242.1	250.7	258.9	267.1	275.7	284.8	293.5	301.7	308.7	314.3
157.5°	239.7	245.0	252.5	259.4	265.7	272.6	280.4	287.4	294.1	299.6	304.0
160°	242.1	246.7	253.3	259.4	264.5	270.6	276.7	283.3	288.4	293.5	297.0
162.5°	244.6	248.3	254.1	259.0	263.3	268.1	273.5	278.8	283.6	287.8	291.0
165°	247.2	250.3	254.3	258.4	261.4	264.5	268.6	272.6	276.2	279.3	281.8
167.5°	249.1	250.9	254.3	257.2	258.6	260.9	263.8	266.7	269.1	271.4	273.2
170°	250.3	251.8	254.3	256.4	257.3	258.9	260.9	263.5	265.0	266.5	267.5
172.5°	251.1	251.8	254.0	255.6	255.7	256.5	258.1	259.8	261.4	262.4	263.1
175°	251.8	251.8	253.3	254.3	253.8	253.8	254.3	255.8	255.8	256.9	256.9
177.5°	251.9	251.9	252.7	253.1	252.3	252.3	252.7	253.1	253.5	253.5	253.5
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333498-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	480.8	479.0	478.5	479.2	478.5	479.0	480.8	481.0	481.2	482.5	480.6
5°	443.6	441.6	442.6	442.2	442.6	441.6	443.6	445.7	446.1	447.9	449.2
7.5°	410.9	408.3	405.6	406.4	405.6	408.3	410.9	410.9	414.1	416.5	418.1
10°	388.0	385.9	384.7	385.8	384.7	385.9	388.0	390.7	391.9	394.8	397.9
12.5°	368.7	367.5	366.4	366.0	366.4	367.5	368.7	371.6	374.4	377.8	381.2
15°	342.4	340.0	338.9	336.3	338.9	340.0	342.4	344.9	350.4	352.0	357.0
17.5°	318.3	317.4	314.8	313.6	314.8	317.4	318.3	320.4	322.9	328.2	332.1
20°	303.9	303.1	300.4	302.0	300.4	303.1	303.9	307.0	309.1	313.4	317.1
22.5°	292.0	290.3	289.4	288.9	289.4	290.3	292.0	293.5	296.2	300.2	304.4
25°	275.3	272.6	271.5	270.4	271.5	272.6	275.3	276.1	279.0	282.9	285.2
27.5°	258.5	257.1	255.7	255.4	255.7	257.1	258.5	259.7	262.3	265.6	269.7
30°	247.6	246.2	245.2	245.2	245.2	246.2	247.6	250.1	252.0	255.1	258.2
32.5°	237.9	236.8	235.8	235.6	235.8	236.8	237.9	239.2	241.5	244.9	248.1
35°	223.7	222.1	221.7	220.4	221.7	222.1	223.7	224.8	227.0	229.5	232.2
37.5°	209.0	207.7	207.7	207.5	207.7	207.7	209.0	210.9	212.8	215.0	218.3
40°	199.7	198.6	198.4	197.0	198.4	198.6	199.7	200.5	202.5	205.5	207.9
42.5°	189.6	189.0	188.3	187.7	188.3	189.0	189.6	191.3	193.0	195.0	198.1
45°	175.9	174.5	174.5	173.5	174.5	174.5	175.9	177.4	178.3	180.7	184.9
47.5°	161.8	160.8	160.9	159.8	160.9	160.8	161.8	162.3	163.6	166.0	168.4
50°	152.5	151.9	151.7	151.2	151.7	151.9	152.5	152.3	153.9	156.1	159.3
52.5°	143.1	142.8	143.6	142.7	143.6	142.8	143.1	143.6	144.7	146.2	149.1
55°	130.5	129.8	131.1	129.8	131.1	129.8	130.5	130.0	130.5	131.9	133.8
57.5°	115.9	115.3	116.5	115.8	116.5	115.3	115.9	115.9	117.2	117.4	119.0
60°	106.3	105.0	105.7	105.9	105.7	105.0	106.3	106.7	107.2	107.4	109.0
62.5°	95.0	94.2	94.7	93.7	94.7	94.2	95.0	95.9	96.8	97.8	98.8
65°	78.9	78.3	77.5	77.0	77.5	78.3	78.9	79.4	81.6	82.8	85.1
67.5°	66.3	64.8	64.7	65.1	64.7	64.8	66.3	66.3	67.9	68.8	70.4
70°	57.1	57.1	56.9	56.9	56.9	57.1	57.1	58.3	59.1	59.9	61.0
72.5°	50.6	50.5	50.1	49.9	50.1	50.5	50.6	51.1	51.5	52.3	53.4
75°	40.8	41.0	40.6	40.4	40.6	41.0	40.8	40.8	41.6	41.8	42.3
77.5°	30.1	29.2	29.7	29.2	29.7	29.2	30.1	30.9	31.2	32.1	32.2
80°	22.8	22.6	23.3	22.6	23.3	22.6	22.8	22.8	23.5	23.9	25.0
82.5°	18.1	17.9	18.2	17.7	18.2	17.9	18.1	17.9	18.2	18.8	18.6
85°	10.9	10.7	10.5	10.7	10.5	10.7	10.9	10.7	10.5	10.7	10.9
87.5°	6.1	5.9	6.0	6.0	6.0	5.9	6.1	5.9	5.8	5.7	5.6
90°	11.1	11.1	11.7	11.7	11.7	11.1	11.1	11.1	10.2	9.6	9.2
92.5°	35.2	34.0	33.3	32.5	33.3	34.0	35.2	41.7	49.2	65.5	90.2
95°	147.0	131.7	127.7	119.6	127.7	131.7	147.0	183.2	225.9	288.4	365.7
97.5°	338.7	310.1	295.4	288.9	295.4	310.1	338.7	370.1	429.5	490.4	544.7
100°	460.3	423.7	404.9	396.7	404.9	423.7	460.3	495.4	548.3	600.7	625.6
102.5°	569.8	543.8	523.3	517.2	523.3	543.8	569.8	607.3	643.1	668.2	652.9
105°	707.0	690.3	680.1	674.0	680.1	690.3	707.0	723.3	728.9	706.5	636.9
107.5°	764.7	764.6	761.3	757.2	761.3	764.6	764.7	756.4	730.0	672.4	579.4
110°	771.6	781.3	784.9	784.9	784.9	781.3	771.6	748.8	705.5	633.8	537.2



TEST NUMBER: P333498-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	752.5	769.1	777.9	781.6	777.9	769.1	752.5	719.1	668.1	595.6	503.8
115°	705.5	730.0	744.1	750.8	744.1	730.0	705.5	665.8	610.4	540.7	461.8
117.5°	653.4	678.6	692.7	696.8	692.7	678.6	653.4	613.7	562.8	502.7	434.8
120°	619.6	644.0	657.7	661.7	657.7	644.0	619.6	581.9	537.2	481.2	420.2
122.5°	591.0	613.4	627.1	630.8	627.1	613.4	591.0	557.5	515.6	465.7	409.2
125°	554.5	575.3	586.5	591.6	586.5	575.3	554.5	525.9	489.4	445.1	393.2
127.5°	526.7	545.2	555.7	558.0	555.7	545.2	526.7	501.0	466.6	425.3	376.9
130°	509.7	526.5	536.6	539.7	536.6	526.5	509.7	484.2	451.2	411.5	366.8
132.5°	491.8	508.5	517.9	521.4	517.9	508.5	491.8	466.4	434.5	398.5	356.6
135°	462.4	479.1	488.3	491.3	488.3	479.1	462.4	440.0	411.0	378.4	343.3
137.5°	432.2	447.5	455.9	459.3	455.9	447.5	432.2	412.2	387.6	360.5	332.2
140°	413.6	426.8	434.4	436.9	434.4	426.8	413.6	394.8	373.4	350.0	326.0
142.5°	395.7	406.8	414.0	416.2	414.0	406.8	395.7	379.7	361.1	341.0	320.7
145°	371.3	380.0	385.6	387.6	385.6	380.0	371.3	359.1	345.4	329.6	313.9
147.5°	352.3	359.2	362.5	363.4	362.5	359.2	352.3	342.6	332.3	320.1	307.4
150°	341.3	347.4	349.5	350.0	349.5	347.4	341.3	333.7	324.5	314.9	303.6
152.5°	332.0	336.8	338.9	339.4	338.9	336.8	332.0	325.6	318.4	309.6	299.6
155°	319.4	323.0	324.5	325.0	324.5	323.0	319.4	314.3	308.7	301.7	293.5
157.5°	307.9	310.9	312.3	312.2	312.3	310.9	307.9	304.0	299.6	294.1	287.4
160°	300.6	303.2	304.2	303.6	304.2	303.2	300.6	297.0	293.5	288.4	283.3
162.5°	293.7	295.9	296.0	296.0	296.0	295.9	293.7	291.0	287.8	283.6	278.8
165°	283.8	284.8	284.8	284.8	284.8	284.8	283.8	281.8	279.3	276.2	272.6
167.5°	274.3	275.2	274.7	274.6	274.7	275.2	274.3	273.2	271.4	269.1	266.7
170°	268.6	269.1	269.1	268.6	269.1	269.1	268.6	267.5	266.5	265.0	263.5
172.5°	263.3	264.2	263.4	262.9	263.4	264.2	263.3	263.1	262.4	261.4	259.8
175°	256.9	257.3	256.4	255.8	256.4	257.3	256.9	256.9	256.9	255.8	255.8
177.5°	253.1	253.5	252.3	252.3	252.3	253.5	253.1	253.5	253.5	253.5	253.1
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333498-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	481.2	483.0	483.9	486.2	489.5	491.2	493.5	495.2	497.5	500.2	502.6
5°	450.0	455.0	458.3	463.4	468.1	472.9	478.8	483.1	488.9	495.5	500.7
7.5°	421.1	427.2	432.7	439.5	447.4	453.4	461.3	469.2	478.2	487.6	496.4
10°	402.6	408.8	415.6	424.0	431.9	440.1	449.4	458.7	470.0	480.5	492.4
12.5°	384.3	391.2	398.8	408.2	417.7	428.2	437.7	448.1	460.3	473.9	486.7
15°	361.6	368.2	376.5	384.5	395.4	407.0	419.5	433.3	446.9	462.2	478.0
17.5°	337.2	344.5	353.6	362.9	374.3	387.9	400.2	415.4	430.6	448.4	467.1
20°	321.5	328.9	339.6	349.8	360.3	373.5	388.2	403.7	419.9	438.6	459.5
22.5°	308.9	314.1	324.8	335.2	347.5	361.1	375.3	391.5	409.2	428.6	450.4
25°	290.3	296.5	304.2	315.0	327.8	342.1	356.4	373.5	392.9	412.7	436.0
27.5°	273.8	278.8	286.4	295.0	307.7	322.4	337.8	355.6	375.5	395.7	420.1
30°	262.1	267.7	274.8	283.9	294.0	310.1	325.7	343.3	363.5	384.2	409.4
32.5°	251.9	257.6	263.9	272.4	283.3	297.6	313.7	330.9	351.4	372.9	397.3
35°	237.6	241.5	247.3	255.7	266.4	277.9	294.4	312.5	332.5	354.8	379.3
37.5°	221.1	226.2	231.9	239.3	248.7	261.2	276.5	294.9	313.4	334.7	357.0
40°	211.6	216.3	222.7	228.1	238.0	249.3	263.3	282.5	301.0	321.0	341.4
42.5°	201.9	206.4	211.9	218.6	227.4	238.4	251.5	269.3	289.2	308.0	325.1
45°	186.6	191.5	196.5	202.8	211.0	221.7	234.7	250.9	268.2	285.6	298.5
47.5°	172.1	176.6	181.5	187.8	195.4	205.7	217.3	231.8	248.5	263.2	272.5
50°	161.8	165.9	171.2	177.4	184.9	194.5	205.6	219.8	233.9	247.3	255.7
52.5°	151.5	156.1	161.5	166.8	174.0	183.6	193.9	206.2	219.5	230.4	237.4
55°	136.2	140.5	145.4	151.1	158.0	166.3	177.2	186.9	197.4	206.7	210.8
57.5°	121.4	125.2	129.8	135.6	142.0	149.6	158.3	167.6	175.0	181.6	186.2
60°	111.6	114.9	119.3	124.2	131.1	138.0	145.9	154.5	160.3	165.9	170.2
62.5°	101.7	105.0	109.1	113.5	119.5	126.0	133.5	140.5	146.2	149.9	154.9
65°	86.9	90.1	93.5	98.3	103.0	108.3	115.2	120.3	124.2	128.4	131.4
67.5°	73.1	75.7	79.0	82.8	86.8	91.9	97.2	101.5	104.2	106.6	110.3
70°	64.1	66.2	68.8	71.7	76.1	81.1	85.3	88.6	90.4	92.9	97.5
72.5°	54.8	57.2	59.7	62.6	66.2	70.4	74.1	77.4	78.6	80.5	83.5
75°	43.2	44.5	46.5	48.6	51.1	54.8	58.3	59.1	60.2	61.8	63.8
77.5°	32.7	33.8	34.7	36.0	38.0	40.9	42.8	44.1	44.3	44.9	46.9
80°	25.9	26.6	27.4	28.4	29.2	31.7	32.7	34.0	34.4	35.0	36.0
82.5°	19.1	19.6	20.2	21.0	22.3	23.4	24.3	25.6	25.7	26.1	26.3
85°	11.1	11.3	10.9	11.3	11.5	11.9	13.0	14.0	13.8	13.6	14.2
87.5°	5.7	5.6	5.2	5.6	5.1	5.2	4.9	4.9	5.0	5.2	5.4
90°	8.6	8.1	7.1	6.6	5.6	5.1	4.1	3.0	2.1	1.0	0.5
92.5°	132.8	164.0	166.7	116.1	69.5	41.7	26.8	18.1	11.8	7.5	6.2
95°	441.0	450.7	367.7	227.4	115.5	61.1	38.2	26.9	21.4	17.3	16.8
97.5°	558.0	481.3	328.4	181.5	99.5	63.5	47.0	36.9	31.3	28.4	27.9
100°	586.5	459.3	293.0	164.8	98.7	69.2	53.9	44.2	38.7	36.6	35.6
102.5°	569.4	420.6	266.1	157.9	102.4	76.1	61.3	52.4	46.4	44.8	44.1
105°	514.8	368.8	240.0	155.2	109.9	87.5	73.2	65.1	60.0	57.5	57.5
107.5°	459.1	333.1	229.1	159.8	121.1	99.4	86.6	78.1	73.9	71.5	70.5
110°	427.3	316.4	225.9	164.3	129.2	108.3	95.1	87.5	82.9	80.9	79.9



TEST NUMBER: P333498-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	403.7	306.7	225.9	170.0	137.0	116.9	104.1	96.5	91.8	90.2	89.3
115°	377.9	296.0	227.4	178.5	149.0	130.2	117.5	109.9	105.3	103.8	102.7
117.5°	362.6	290.9	230.7	188.3	161.5	143.7	131.3	122.7	118.2	116.5	114.9
120°	354.0	288.4	234.0	194.8	170.4	152.6	139.9	131.3	126.6	124.7	123.1
122.5°	346.7	286.4	236.8	202.2	179.0	161.1	148.5	138.9	134.4	132.8	131.6
125°	336.7	283.8	241.7	212.1	190.2	173.4	160.2	150.5	146.0	143.5	142.4
127.5°	327.6	282.6	247.0	221.2	201.1	184.9	171.7	161.5	155.7	152.4	150.9
130°	321.5	281.8	250.3	227.4	208.0	192.3	179.1	168.4	161.8	157.7	156.1
132.5°	316.6	281.8	254.0	232.6	214.5	198.8	185.6	174.5	167.0	162.2	160.2
135°	310.8	281.8	258.9	240.0	223.3	207.5	193.8	183.2	175.0	168.9	166.8
137.5°	305.6	282.4	263.5	245.6	229.5	215.2	201.0	190.6	182.4	176.7	175.2
140°	303.2	282.9	265.6	249.2	234.0	219.3	205.5	195.8	187.7	181.6	180.0
142.5°	301.1	283.2	266.7	251.3	236.8	222.9	210.0	200.7	192.6	186.9	185.7
145°	298.1	282.9	268.0	254.3	241.7	228.4	216.7	207.5	200.4	195.3	194.3
147.5°	294.9	281.5	268.6	256.2	244.7	233.1	222.7	214.8	208.2	203.8	203.2
150°	292.5	280.3	268.6	257.3	246.7	235.5	226.9	219.7	213.1	209.6	208.6
152.5°	289.6	278.7	268.1	258.2	248.7	238.4	230.5	223.8	218.0	214.8	214.3
155°	284.8	275.7	267.1	258.9	250.7	242.1	235.0	229.9	224.8	221.8	221.8
157.5°	280.4	272.6	265.7	259.4	252.5	245.0	239.7	235.2	230.9	228.4	228.5
160°	276.7	270.6	264.5	259.4	253.3	246.7	242.1	238.1	234.5	232.5	233.0
162.5°	273.5	268.1	263.3	259.0	254.1	248.3	244.6	241.3	238.2	236.1	236.7
165°	268.6	264.5	261.4	258.4	254.3	250.3	247.2	245.1	242.6	241.1	242.1
167.5°	263.8	260.9	258.6	257.2	254.3	250.9	249.1	247.6	246.2	245.3	245.8
170°	260.9	258.9	257.3	256.4	254.3	251.8	250.3	249.2	248.3	247.7	248.3
172.5°	258.1	256.5	255.7	255.6	254.0	251.8	251.1	250.5	249.4	249.0	249.9
175°	254.3	253.8	253.8	254.3	253.3	251.8	251.8	251.8	251.3	250.7	251.8
177.5°	252.7	252.3	252.3	253.1	252.7	251.9	251.9	252.3	251.9	251.9	252.7
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333498-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	504.4	505.9	508.0	510.5	512.5	514.6	515.8	515.8	516.7	518.9	521.7
5°	505.9	511.2	516.3	522.9	528.1	534.0	538.6	543.0	546.8	551.8	557.0
7.5°	505.4	514.3	523.6	534.0	545.5	554.6	563.9	571.2	578.5	588.0	595.4
10°	503.8	515.3	527.9	541.1	555.5	568.0	579.4	589.7	599.6	609.9	619.2
12.5°	500.8	515.5	530.8	546.7	564.9	579.3	593.9	604.8	616.4	627.7	639.1
15°	496.3	513.6	532.2	554.3	576.5	592.5	607.0	621.3	632.0	644.7	655.7
17.5°	487.1	509.4	532.8	556.9	578.3	596.9	612.1	625.6	637.0	651.0	665.9
20°	481.7	505.9	530.1	555.9	576.3	595.5	610.1	624.1	638.3	656.7	674.8
22.5°	474.1	499.9	525.7	550.1	571.7	590.2	605.3	622.4	641.1	661.9	683.9
25°	462.2	488.7	514.2	537.5	558.6	577.6	598.2	621.3	643.9	671.3	702.8
27.5°	446.9	472.6	495.3	520.0	540.8	565.0	590.7	615.7	648.4	686.1	725.4
30°	435.6	459.9	481.5	504.8	528.5	555.1	583.9	613.4	652.4	696.6	743.4
32.5°	422.4	444.4	465.8	488.3	515.7	544.8	575.5	611.5	658.1	708.5	756.9
35°	399.5	419.3	440.1	465.0	494.1	525.8	565.0	608.9	665.1	719.3	762.8
37.5°	375.5	391.2	412.1	438.4	470.0	506.7	551.2	604.5	662.2	710.9	729.3
40°	357.0	371.7	393.8	421.3	452.7	492.8	542.7	597.5	655.7	689.4	688.0
42.5°	338.8	353.6	374.8	402.6	435.2	480.2	531.5	588.4	637.5	650.3	623.6
45°	310.7	324.5	345.4	373.4	408.4	455.6	509.5	564.2	595.5	574.6	521.5
47.5°	282.1	295.5	314.9	342.2	380.5	429.9	481.0	525.8	530.1	485.4	421.7
50°	263.3	275.9	294.3	323.5	360.6	408.8	458.1	493.3	482.3	427.8	362.0
52.5°	245.0	257.1	274.3	301.9	339.8	387.0	431.0	458.7	433.4	375.3	316.2
55°	218.0	229.5	246.8	272.2	306.6	349.8	388.4	398.5	361.4	302.9	255.1
57.5°	192.3	200.8	217.8	240.3	273.5	311.7	339.2	337.4	296.5	243.8	209.5
60°	175.3	183.0	199.2	219.8	251.4	285.6	305.0	296.7	255.3	211.8	178.9
62.5°	159.5	166.7	180.3	199.2	226.3	256.1	270.2	258.8	219.7	181.5	155.2
65°	135.5	140.7	151.7	169.2	190.4	211.0	223.6	206.9	172.3	143.4	123.6
67.5°	113.2	117.6	127.3	139.9	154.5	168.8	173.9	158.3	131.3	111.9	97.9
70°	98.7	102.8	109.4	121.2	130.8	140.9	143.4	129.4	106.9	92.1	83.5
72.5°	84.9	88.6	94.4	102.7	109.4	115.2	116.4	103.3	86.1	76.0	69.3
75°	64.7	68.0	71.7	74.8	79.1	80.2	79.7	69.6	60.4	53.6	49.8
77.5°	47.5	49.0	51.2	52.4	52.6	52.5	50.5	44.1	39.2	36.5	35.0
80°	36.6	37.7	38.3	38.7	39.0	36.9	34.6	30.7	29.1	27.4	25.6
82.5°	26.7	27.3	27.9	28.0	26.9	25.1	23.1	21.1	20.0	19.2	18.5
85°	14.4	14.6	14.4	13.4	11.9	11.3	10.9	10.5	10.3	10.1	10.1
87.5°	5.4	5.0	4.4	4.7	5.0	4.9	5.1	5.1	5.1	5.2	5.3
90°	1.0	2.1	3.0	4.1	5.1	5.6	6.6	7.1	8.1	8.6	9.2
92.5°	7.5	11.8	18.1	26.8	41.7	69.5	116.1	166.7	164.0	132.8	90.2
95°	17.3	21.4	26.9	38.2	61.1	115.5	227.4	367.7	450.7	441.0	365.7
97.5°	28.4	31.3	36.9	47.0	63.5	99.5	181.5	328.4	481.3	558.0	544.7
100°	36.6	38.7	44.2	53.9	69.2	98.7	164.8	293.0	459.3	586.5	625.6
102.5°	44.8	46.4	52.4	61.3	76.1	102.4	157.9	266.1	420.6	569.4	652.9
105°	57.5	60.0	65.1	73.2	87.5	109.9	155.2	240.0	368.8	514.8	636.9
107.5°	71.5	73.9	78.1	86.6	99.4	121.1	159.8	229.1	333.1	459.1	579.4
110°	80.9	82.9	87.5	95.1	108.3	129.2	164.3	225.9	316.4	427.3	537.2



TEST NUMBER: P333498-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	90.2	91.8	96.5	104.1	116.9	137.0	170.0	225.9	306.7	403.7	503.8
115°	103.8	105.3	109.9	117.5	130.2	149.0	178.5	227.4	296.0	377.9	461.8
117.5°	116.5	118.2	122.7	131.3	143.7	161.5	188.3	230.7	290.9	362.6	434.8
120°	124.7	126.6	131.3	139.9	152.6	170.4	194.8	234.0	288.4	354.0	420.2
122.5°	132.8	134.4	138.9	148.5	161.1	179.0	202.2	236.8	286.4	346.7	409.2
125°	143.5	146.0	150.5	160.2	173.4	190.2	212.1	241.7	283.8	336.7	393.2
127.5°	152.4	155.7	161.5	171.7	184.9	201.1	221.2	247.0	282.6	327.6	376.9
130°	157.7	161.8	168.4	179.1	192.3	208.0	227.4	250.3	281.8	321.5	366.8
132.5°	162.2	167.0	174.5	185.6	198.8	214.5	232.6	254.0	281.8	316.6	356.6
135°	168.9	175.0	183.2	193.8	207.5	223.3	240.0	258.9	281.8	310.8	343.3
137.5°	176.7	182.4	190.6	201.0	215.2	229.5	245.6	263.5	282.4	305.6	332.2
140°	181.6	187.7	195.8	205.5	219.3	234.0	249.2	265.6	282.9	303.2	326.0
142.5°	186.9	192.6	200.7	210.0	222.9	236.8	251.3	266.7	283.2	301.1	320.7
145°	195.3	200.4	207.5	216.7	228.4	241.7	254.3	268.0	282.9	298.1	313.9
147.5°	203.8	208.2	214.8	222.7	233.1	244.7	256.2	268.6	281.5	294.9	307.4
150°	209.6	213.1	219.7	226.9	235.5	246.7	257.3	268.6	280.3	292.5	303.6
152.5°	214.8	218.0	223.8	230.5	238.4	248.7	258.2	268.1	278.7	289.6	299.6
155°	221.8	224.8	229.9	235.0	242.1	250.7	258.9	267.1	275.7	284.8	293.5
157.5°	228.4	230.9	235.2	239.7	245.0	252.5	259.4	265.7	272.6	280.4	287.4
160°	232.5	234.5	238.1	242.1	246.7	253.3	259.4	264.5	270.6	276.7	283.3
162.5°	236.1	238.2	241.3	244.6	248.3	254.1	259.0	263.3	268.1	273.5	278.8
165°	241.1	242.6	245.1	247.2	250.3	254.3	258.4	261.4	264.5	268.6	272.6
167.5°	245.3	246.2	247.6	249.1	250.9	254.3	257.2	258.6	260.9	263.8	266.7
170°	247.7	248.3	249.2	250.3	251.8	254.3	256.4	257.3	258.9	260.9	263.5
172.5°	249.0	249.4	250.5	251.1	251.8	254.0	255.6	255.7	256.5	258.1	259.8
175°	250.7	251.3	251.8	251.8	251.8	253.3	254.3	253.8	253.8	254.3	255.8
177.5°	251.9	251.9	252.3	251.9	251.9	252.7	253.1	252.3	252.3	252.7	253.1
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	523.9	523.9	526.6	526.5	528.3	527.6	528.0
5°	563.1	566.6	569.7	571.8	574.9	575.7	575.2
7.5°	603.9	611.6	615.4	620.6	621.5	624.3	624.0
10°	629.0	636.7	642.5	646.9	649.3	652.1	652.4
12.5°	648.8	655.3	660.4	664.6	667.4	668.2	668.8
15°	664.3	671.5	677.4	683.4	687.0	689.6	691.1
17.5°	679.8	691.0	701.5	709.6	714.5	718.6	718.6
20°	691.9	704.6	717.8	727.1	736.6	740.7	741.4
22.5°	704.7	724.2	741.3	755.6	768.1	772.4	774.0
25°	731.5	757.0	783.2	803.3	817.8	826.3	827.5
27.5°	763.8	798.3	825.8	844.5	856.4	862.7	864.1
30°	786.5	818.4	843.1	857.1	862.7	863.5	860.4
32.5°	796.7	820.6	830.5	829.6	818.7	811.5	808.7
35°	784.2	779.3	755.2	726.3	704.3	690.3	686.5
37.5°	713.6	671.0	626.7	583.1	559.9	548.0	527.8
40°	644.1	583.3	537.2	500.5	474.3	453.3	448.4
42.5°	565.6	502.8	456.7	425.3	404.4	390.0	383.7
45°	454.5	400.6	362.4	338.3	322.3	311.7	307.0
47.5°	363.6	321.7	294.0	276.2	263.9	254.8	252.2
50°	313.6	280.2	256.7	241.7	232.4	225.4	222.6
52.5°	272.4	245.4	227.4	215.0	206.3	201.9	199.5
55°	224.8	201.5	188.5	178.6	173.7	170.2	168.5
57.5°	183.9	167.0	157.6	150.7	146.2	143.9	143.1
60°	161.0	147.8	139.1	133.8	130.6	127.8	126.9
62.5°	140.6	130.3	123.6	118.9	115.8	114.6	114.0
65°	113.3	106.6	101.6	98.7	96.2	95.8	95.6
67.5°	90.1	86.1	83.5	80.5	79.6	78.2	77.8
70°	77.0	74.4	71.2	70.3	69.2	67.8	68.0
72.5°	65.4	62.7	60.5	59.2	58.9	58.2	58.8
75°	47.8	47.0	46.2	45.1	44.7	44.7	44.5
77.5°	34.2	33.4	32.5	31.9	31.7	30.9	31.2
80°	24.7	23.7	23.3	23.5	22.8	22.6	22.6
82.5°	18.3	17.9	17.5	17.6	17.4	17.2	17.4
85°	10.1	9.9	9.9	9.7	9.7	9.5	9.5
87.5°	5.5	5.8	5.7	5.5	5.5	5.8	6.0
90°	9.6	10.2	11.1	11.1	11.1	11.7	11.7
92.5°	65.5	49.2	41.7	35.2	34.0	33.3	32.5
95°	288.4	225.9	183.2	147.0	131.7	127.7	119.6
97.5°	490.4	429.5	370.1	338.7	310.1	295.4	288.9
100°	600.7	548.3	495.4	460.3	423.7	404.9	396.7
102.5°	668.2	643.1	607.3	569.8	543.8	523.3	517.2
105°	706.5	728.9	723.3	707.0	690.3	680.1	674.0
107.5°	672.4	730.0	756.4	764.7	764.6	761.3	757.2
110°	633.8	705.5	748.8	771.6	781.3	784.9	784.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	595.6	668.1	719.1	752.5	769.1	777.9	781.6
115°	540.7	610.4	665.8	705.5	730.0	744.1	750.8
117.5°	502.7	562.8	613.7	653.4	678.6	692.7	696.8
120°	481.2	537.2	581.9	619.6	644.0	657.7	661.7
122.5°	465.7	515.6	557.5	591.0	613.4	627.1	630.8
125°	445.1	489.4	525.9	554.5	575.3	586.5	591.6
127.5°	425.3	466.6	501.0	526.7	545.2	555.7	558.0
130°	411.5	451.2	484.2	509.7	526.5	536.6	539.7
132.5°	398.5	434.5	466.4	491.8	508.5	517.9	521.4
135°	378.4	411.0	440.0	462.4	479.1	488.3	491.3
137.5°	360.5	387.6	412.2	432.2	447.5	455.9	459.3
140°	350.0	373.4	394.8	413.6	426.8	434.4	436.9
142.5°	341.0	361.1	379.7	395.7	406.8	414.0	416.2
145°	329.6	345.4	359.1	371.3	380.0	385.6	387.6
147.5°	320.1	332.3	342.6	352.3	359.2	362.5	363.4
150°	314.9	324.5	333.7	341.3	347.4	349.5	350.0
152.5°	309.6	318.4	325.6	332.0	336.8	338.9	339.4
155°	301.7	308.7	314.3	319.4	323.0	324.5	325.0
157.5°	294.1	299.6	304.0	307.9	310.9	312.3	312.2
160°	288.4	293.5	297.0	300.6	303.2	304.2	303.6
162.5°	283.6	287.8	291.0	293.7	295.9	296.0	296.0
165°	276.2	279.3	281.8	283.8	284.8	284.8	284.8
167.5°	269.1	271.4	273.2	274.3	275.2	274.7	274.6
170°	265.0	266.5	267.5	268.6	269.1	269.1	268.6
172.5°	261.4	262.4	263.1	263.3	264.2	263.4	262.9
175°	255.8	256.9	256.9	256.9	257.3	256.4	255.8
177.5°	253.5	253.5	253.5	253.1	253.5	252.3	252.3
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3

(END OF REPORT)