

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: P333497-940

Luminaire Tested: **S125RDIP-S375D590U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333497-940
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-S375D590U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3125.9 lumens
Efficiency: N/A
Efficacy: 122.1 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

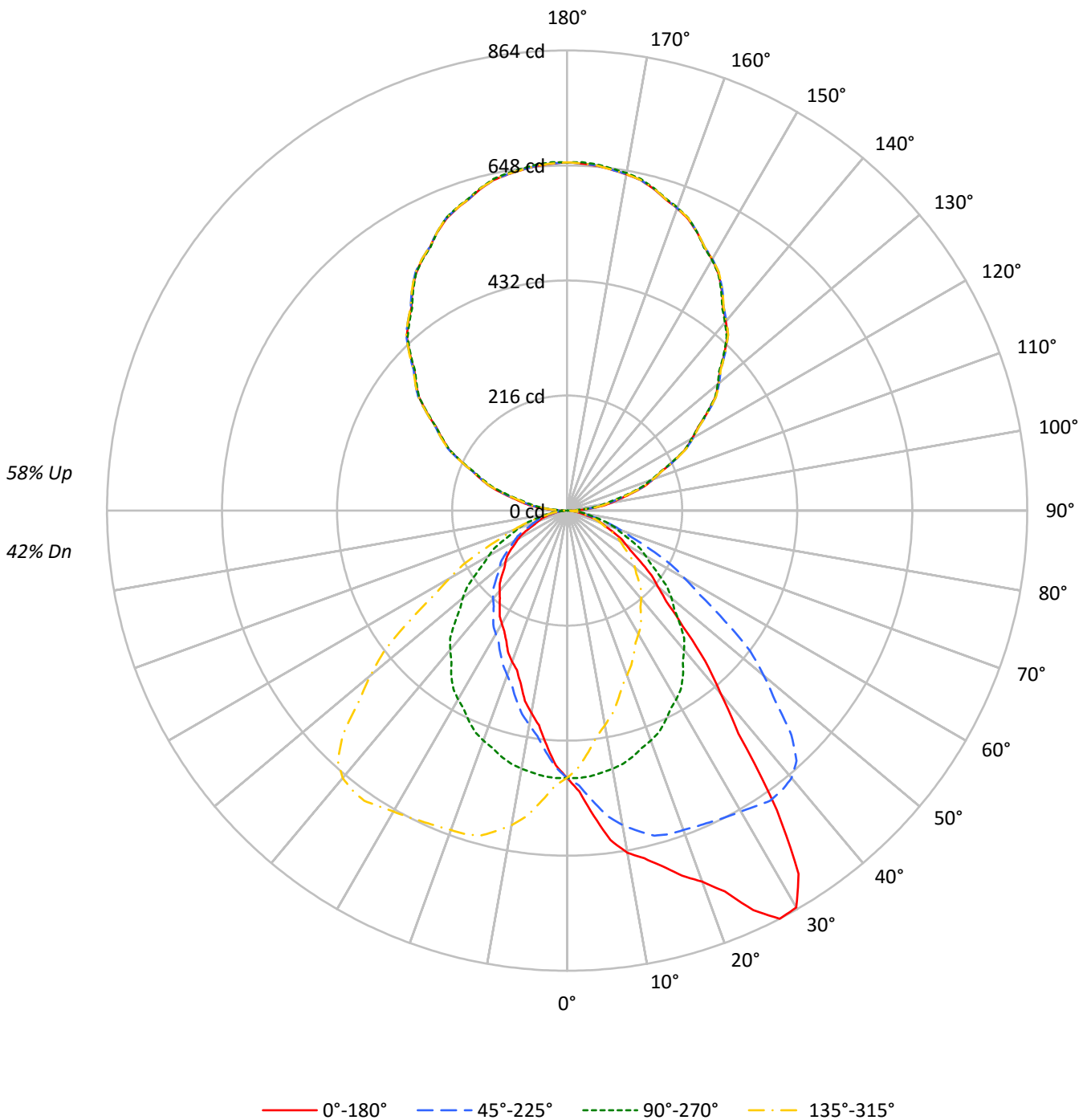
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-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	50	30	10	0	
RCR																						
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	42				
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	42	36				
2	88	81	75	70	80	74	69	65	61	58	55	49	47	45	39	37	36	31				
3	80	71	64	59	73	65	59	54	54	50	46	44	41	38	34	32	31	26				
4	74	63	56	50	67	58	51	46	48	43	40	39	36	33	31	29	27	23				
5	68	56	48	43	62	52	45	40	43	38	34	35	32	29	28	25	23	20				
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	23	21	18				
7	58	46	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	16				
8	53	41	34	29	49	38	32	27	32	27	23	27	23	20	21	18	16	14				
9	50	38	30	26	45	35	28	24	30	24	21	24	21	18	20	17	15	13				
10	46	35	28	23	42	32	26	21	27	22	19	23	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



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	1.5
10°-20°	141.1	4.5
20°-30°	223.6	7.2
30°-40°	269.7	8.6
40°-50°	240.9	7.7
50°-60°	184.7	5.9
60°-70°	120.0	3.8
70°-80°	58.3	1.9
80°-90°	15.4	0.5
90°-100°	43.8	1.4
100°-110°	129.3	4.1
110°-120°	219.0	7.0
120°-130°	288.2	9.2
130°-140°	322.9	10.3
140°-150°	316.5	10.1
150°-160°	265.8	8.5
160°-170°	176.7	5.7
170°-180°	61.8	2.0
0°-30°	412.8	13.2
0°-40°	682.5	21.8
0°-60°	1108.1	35.4
0°-90°	1301.8	41.6
90°-120°	392.0	12.5
90°-150°	1319.7	42.2
90°-180°	1824.0	58.4
0°-180°	3125.9	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	7
95°	44	33	44	33	44	45
105°	126	116	126	116	126	134
115°	221	219	221	219	221	219
125°	322	320	322	320	322	287
135°	418	416	418	416	418	322
145°	506	504	506	504	506	316
155°	577	577	577	577	577	265
165°	626	627	626	627	626	176
175°	650	652	650	652	650	62
180°	654	654	654	654	654	



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

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°	6.1	5.8	5.6	5.5	5.6	5.9	5.6	5.4	5.2	5.1	5.1
90°	12.2	11.9	11.5	11.2	10.9	10.4	9.8	9.3	8.7	8.1	7.3
92.5°	24.0	23.7	23.5	23.3	23.0	22.6	21.8	21.0	20.2	19.5	18.5
95°	43.8	43.5	43.3	43.1	42.8	42.4	41.6	40.8	39.9	39.1	38.1
97.5°	66.3	66.2	66.1	65.9	65.8	65.4	64.6	63.8	63.1	62.3	60.8
100°	83.5	83.2	83.0	82.8	82.5	81.9	80.9	79.9	78.8	77.8	76.3
102.5°	100.5	100.2	99.9	99.6	99.2	98.5	97.5	96.3	95.2	94.1	93.4
105°	126.2	125.8	125.5	125.1	124.8	124.3	123.6	123.0	122.3	121.5	120.9
107.5°	152.4	152.4	152.5	152.5	152.5	152.3	152.0	151.7	151.3	151.0	150.4
110°	171.9	172.0	172.2	172.3	172.4	172.3	171.9	171.6	171.3	170.9	170.6



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	191.1	191.3	191.5	191.7	191.9	191.9	191.7	191.6	191.5	191.3	190.8
115°	221.3	221.4	221.5	221.6	221.8	221.9	221.9	222.0	222.2	222.3	222.0
117.5°	250.7	251.3	251.7	252.2	252.6	252.8	252.7	252.6	252.5	252.4	252.2
120°	271.2	271.6	272.1	272.5	273.0	273.1	273.1	273.1	273.1	273.1	273.0
122.5°	291.5	291.9	292.2	292.6	292.9	293.2	293.3	293.4	293.5	293.6	293.2
125°	322.0	322.1	322.3	322.4	322.4	322.6	322.9	323.1	323.3	323.5	323.4
127.5°	351.3	351.5	351.8	352.0	352.2	352.4	352.5	352.6	352.8	352.8	352.7
130°	370.9	371.0	371.3	371.5	371.8	371.9	372.0	372.1	372.3	372.4	372.1
132.5°	389.1	389.5	389.8	390.1	390.4	390.7	390.7	390.8	391.0	391.1	391.1
135°	417.7	418.1	418.6	419.0	419.5	419.6	419.6	419.6	419.6	419.6	419.5
137.5°	445.5	446.1	446.7	447.2	447.8	448.0	447.8	447.7	447.5	447.5	447.2
140°	463.4	464.0	464.6	465.1	465.7	465.8	465.7	465.4	465.2	464.9	464.6
142.5°	480.5	481.1	481.6	482.2	482.8	483.0	482.9	482.7	482.6	482.4	482.1
145°	506.1	506.5	506.8	507.2	507.5	507.7	507.7	507.7	507.7	507.7	507.4
147.5°	528.1	528.8	529.6	530.3	531.1	531.4	531.1	530.8	530.6	530.3	530.0
150°	544.3	544.6	544.7	545.0	545.2	545.3	545.3	545.3	545.3	545.3	544.8
152.5°	557.8	558.1	558.6	558.9	559.4	559.5	559.2	558.9	558.7	558.4	558.1
155°	576.8	577.4	578.0	578.5	579.2	579.2	578.7	578.3	577.8	577.4	577.3
157.5°	592.8	593.6	594.3	595.0	595.8	595.9	595.5	595.0	594.6	594.1	594.1
160°	603.9	604.4	604.9	605.6	606.1	606.1	605.6	605.2	604.8	604.3	604.2
162.5°	613.1	613.9	614.5	615.2	615.8	615.9	615.3	614.7	614.2	613.7	613.7
165°	625.7	626.3	627.1	627.8	628.4	628.6	628.0	627.6	627.1	626.7	626.6
167.5°	635.7	636.3	637.0	637.8	638.5	638.5	637.8	637.1	636.4	635.8	635.8
170°	641.0	641.8	642.6	643.4	644.1	644.2	643.5	642.8	642.1	641.5	641.5
172.5°	645.4	646.1	646.8	647.6	648.3	648.3	647.6	646.9	646.2	645.5	645.5
175°	649.6	650.4	651.2	652.0	652.7	652.8	652.1	651.5	650.8	650.1	650.1
177.5°	652.0	652.6	653.4	654.0	654.6	654.6	654.1	653.5	653.0	652.5	652.6
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

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	4.8	4.5	5.1	5.4	5.4	5.3	5.1	4.9
90°	6.6	5.8	5.0	4.1	3.2	2.3	1.4	0.5	1.4	2.3	3.2
92.5°	17.6	16.6	15.6	14.8	14.2	13.6	12.9	12.3	12.9	13.6	14.2
95°	36.9	35.8	34.7	34.0	33.7	33.5	33.3	33.1	33.3	33.5	33.7
97.5°	59.2	57.7	56.1	55.3	55.2	55.1	55.0	54.9	55.0	55.1	55.2
100°	74.9	73.4	72.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
102.5°	92.6	91.8	91.1	90.5	90.1	89.6	89.2	88.7	89.2	89.6	90.1
105°	120.2	119.6	118.9	118.2	117.7	117.1	116.5	116.0	116.5	117.1	117.7
107.5°	149.9	149.5	148.9	148.4	147.8	147.2	146.7	146.1	146.7	147.2	147.8
110°	170.2	169.9	169.6	169.2	168.5	168.0	167.4	166.8	167.4	168.0	168.5



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	190.4	190.0	189.6	189.2	188.9	188.6	188.3	188.0	188.3	188.6	188.9
115°	221.9	221.6	221.4	221.1	220.6	220.2	219.7	219.3	219.7	220.2	220.6
117.5°	252.0	251.8	251.6	251.4	251.2	251.0	250.7	250.6	250.7	251.0	251.2
120°	273.0	272.9	272.7	272.4	271.8	271.3	270.7	270.1	270.7	271.3	271.8
122.5°	292.9	292.7	292.3	292.1	291.9	291.7	291.5	291.3	291.5	291.7	291.9
125°	323.3	323.2	323.1	322.7	322.0	321.3	320.7	319.9	320.7	321.3	322.0
127.5°	352.6	352.4	352.3	352.0	351.6	351.2	350.9	350.5	350.9	351.2	351.6
130°	371.9	371.7	371.5	371.0	370.5	370.0	369.3	368.8	369.3	370.0	370.5
132.5°	391.2	391.2	391.3	390.8	389.9	389.0	388.1	387.1	388.1	389.0	389.9
135°	419.5	419.4	419.2	418.8	418.1	417.5	416.8	416.1	416.8	417.5	418.1
137.5°	446.9	446.7	446.5	446.0	445.3	444.7	444.1	443.4	444.1	444.7	445.3
140°	464.3	464.0	463.6	463.2	462.5	462.0	461.5	460.8	461.5	462.0	462.5
142.5°	481.6	481.2	480.7	480.3	479.8	479.3	478.8	478.4	478.8	479.3	479.8
145°	507.0	506.7	506.3	506.0	505.5	505.1	504.5	504.1	504.5	505.1	505.5
147.5°	529.8	529.4	529.1	529.0	528.7	528.4	528.2	527.9	528.2	528.4	528.7
150°	544.4	543.9	543.5	543.3	543.5	543.6	543.7	543.8	543.7	543.6	543.5
152.5°	557.9	557.8	557.6	557.4	557.3	557.1	557.0	556.8	557.0	557.1	557.3
155°	577.1	577.0	576.9	576.8	576.8	576.8	576.8	576.8	576.8	576.8	576.8
157.5°	594.0	593.8	593.7	593.8	594.1	594.2	594.5	594.8	594.5	594.2	594.1
160°	604.1	604.0	603.9	604.0	604.3	604.7	605.0	605.4	605.0	604.7	604.3
162.5°	613.7	613.6	613.6	613.7	613.9	614.2	614.5	614.7	614.5	614.2	613.9
165°	626.5	626.3	626.2	626.3	626.5	626.8	627.0	627.2	627.0	626.8	626.5
167.5°	635.8	635.8	635.8	636.0	636.4	636.9	637.4	637.8	637.4	636.9	636.4
170°	641.5	641.5	641.5	641.7	642.1	642.6	643.0	643.5	643.0	642.6	642.1
172.5°	645.5	645.5	645.5	645.8	646.2	646.7	647.1	647.6	647.1	646.7	646.2
175°	650.1	650.1	650.1	650.3	650.8	651.2	651.7	652.1	651.7	651.2	650.8
177.5°	652.6	652.7	652.8	653.0	653.4	653.8	654.2	654.5	654.2	653.8	653.4
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

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	5.1	5.1	5.6	5.3	5.6	5.7	5.6	5.8	5.9	5.8
90°	4.1	5.0	5.8	6.6	7.3	8.1	8.7	9.3	9.8	10.4	10.9
92.5°	14.8	15.6	16.6	17.6	18.5	19.5	20.2	21.0	21.8	22.6	23.0
95°	34.0	34.7	35.8	36.9	38.1	39.1	39.9	40.8	41.6	42.4	42.8
97.5°	55.3	56.1	57.7	59.2	60.8	62.3	63.1	63.8	64.6	65.4	65.8
100°	71.2	72.0	73.4	74.9	76.3	77.8	78.8	79.9	80.9	81.9	82.5
102.5°	90.5	91.1	91.8	92.6	93.4	94.1	95.2	96.3	97.5	98.5	99.2
105°	118.2	118.9	119.6	120.2	120.9	121.5	122.3	123.0	123.6	124.3	124.8
107.5°	148.4	148.9	149.5	149.9	150.4	151.0	151.3	151.7	152.0	152.3	152.5
110°	169.2	169.6	169.9	170.2	170.6	170.9	171.3	171.6	171.9	172.3	172.4



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	189.2	189.6	190.0	190.4	190.8	191.3	191.5	191.6	191.7	191.9	191.9
115°	221.1	221.4	221.6	221.9	222.0	222.3	222.2	222.0	221.9	221.9	221.8
117.5°	251.4	251.6	251.8	252.0	252.2	252.4	252.5	252.6	252.7	252.8	252.6
120°	272.4	272.7	272.9	273.0	273.0	273.1	273.1	273.1	273.1	273.1	273.0
122.5°	292.1	292.3	292.7	292.9	293.2	293.6	293.5	293.4	293.3	293.2	292.9
125°	322.7	323.1	323.2	323.3	323.4	323.5	323.3	323.1	322.9	322.6	322.4
127.5°	352.0	352.3	352.4	352.6	352.7	352.8	352.8	352.6	352.5	352.4	352.2
130°	371.0	371.5	371.7	371.9	372.1	372.4	372.3	372.1	372.0	371.9	371.8
132.5°	390.8	391.3	391.2	391.2	391.1	391.1	391.0	390.8	390.7	390.7	390.4
135°	418.8	419.2	419.4	419.5	419.5	419.6	419.6	419.6	419.6	419.6	419.5
137.5°	446.0	446.5	446.7	446.9	447.2	447.5	447.5	447.7	447.8	448.0	447.8
140°	463.2	463.6	464.0	464.3	464.6	464.9	465.2	465.4	465.7	465.8	465.7
142.5°	480.3	480.7	481.2	481.6	482.1	482.4	482.6	482.7	482.9	483.0	482.8
145°	506.0	506.3	506.7	507.0	507.4	507.7	507.7	507.7	507.7	507.7	507.5
147.5°	529.0	529.1	529.4	529.8	530.0	530.3	530.6	530.8	531.1	531.4	531.1
150°	543.3	543.5	543.9	544.4	544.8	545.3	545.3	545.3	545.3	545.3	545.2
152.5°	557.4	557.6	557.8	557.9	558.1	558.4	558.7	558.9	559.2	559.5	559.4
155°	576.8	576.9	577.0	577.1	577.3	577.4	577.8	578.3	578.7	579.2	579.2
157.5°	593.8	593.7	593.8	594.0	594.1	594.1	594.6	595.0	595.5	595.9	595.8
160°	604.0	603.9	604.0	604.1	604.2	604.3	604.8	605.2	605.6	606.1	606.1
162.5°	613.7	613.6	613.6	613.7	613.7	613.7	614.2	614.7	615.3	615.9	615.8
165°	626.3	626.2	626.3	626.5	626.6	626.7	627.1	627.6	628.0	628.6	628.4
167.5°	636.0	635.8	635.8	635.8	635.8	635.8	636.4	637.1	637.8	638.5	638.5
170°	641.7	641.5	641.5	641.5	641.5	641.5	642.1	642.8	643.5	644.2	644.1
172.5°	645.8	645.5	645.5	645.5	645.5	645.5	646.2	646.9	647.6	648.3	648.3
175°	650.3	650.1	650.1	650.1	650.1	650.1	650.8	651.5	652.1	652.8	652.7
177.5°	653.0	652.8	652.7	652.6	652.6	652.5	653.0	653.5	654.1	654.6	654.6
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

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	6.0	6.0	6.1	6.0	6.0	6.1	5.8	5.9	5.8	5.6
90°	11.2	11.5	11.9	12.2	11.9	11.5	11.2	10.9	10.4	9.8	9.3
92.5°	23.3	23.5	23.7	24.0	23.7	23.5	23.3	23.0	22.6	21.8	21.0
95°	43.1	43.3	43.5	43.8	43.5	43.3	43.1	42.8	42.4	41.6	40.8
97.5°	65.9	66.1	66.2	66.3	66.2	66.1	65.9	65.8	65.4	64.6	63.8
100°	82.8	83.0	83.2	83.5	83.2	83.0	82.8	82.5	81.9	80.9	79.9
102.5°	99.6	99.9	100.2	100.5	100.2	99.9	99.6	99.2	98.5	97.5	96.3
105°	125.1	125.5	125.8	126.2	125.8	125.5	125.1	124.8	124.3	123.6	123.0
107.5°	152.5	152.5	152.4	152.4	152.4	152.5	152.5	152.5	152.3	152.0	151.7
110°	172.3	172.2	172.0	171.9	172.0	172.2	172.3	172.4	172.3	171.9	171.6



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	191.7	191.5	191.3	191.1	191.3	191.5	191.7	191.9	191.9	191.7	191.6
115°	221.6	221.5	221.4	221.3	221.4	221.5	221.6	221.8	221.9	221.9	222.0
117.5°	252.2	251.7	251.3	250.7	251.3	251.7	252.2	252.6	252.8	252.7	252.6
120°	272.5	272.1	271.6	271.2	271.6	272.1	272.5	273.0	273.1	273.1	273.1
122.5°	292.6	292.2	291.9	291.5	291.9	292.2	292.6	292.9	293.2	293.3	293.4
125°	322.4	322.3	322.1	322.0	322.1	322.3	322.4	322.4	322.6	322.9	323.1
127.5°	352.0	351.8	351.5	351.3	351.5	351.8	352.0	352.2	352.4	352.5	352.6
130°	371.5	371.3	371.0	370.9	371.0	371.3	371.5	371.8	371.9	372.0	372.1
132.5°	390.1	389.8	389.5	389.1	389.5	389.8	390.1	390.4	390.7	390.7	390.8
135°	419.0	418.6	418.1	417.7	418.1	418.6	419.0	419.5	419.6	419.6	419.6
137.5°	447.2	446.7	446.1	445.5	446.1	446.7	447.2	447.8	448.0	447.8	447.7
140°	465.1	464.6	464.0	463.4	464.0	464.6	465.1	465.7	465.8	465.7	465.4
142.5°	482.2	481.6	481.1	480.5	481.1	481.6	482.2	482.8	483.0	482.9	482.7
145°	507.2	506.8	506.5	506.1	506.5	506.8	507.2	507.5	507.7	507.7	507.7
147.5°	530.3	529.6	528.8	528.1	528.8	529.6	530.3	531.1	531.4	531.1	530.8
150°	545.0	544.7	544.6	544.3	544.6	544.7	545.0	545.2	545.3	545.3	545.3
152.5°	558.9	558.6	558.1	557.8	558.1	558.6	558.9	559.4	559.5	559.2	558.9
155°	578.5	578.0	577.4	576.8	577.4	578.0	578.5	579.2	579.2	578.7	578.3
157.5°	595.0	594.3	593.6	592.8	593.6	594.3	595.0	595.8	595.9	595.5	595.0
160°	605.6	604.9	604.4	603.9	604.4	604.9	605.6	606.1	606.1	605.6	605.2
162.5°	615.2	614.5	613.9	613.1	613.9	614.5	615.2	615.8	615.9	615.3	614.7
165°	627.8	627.1	626.3	625.7	626.3	627.1	627.8	628.4	628.6	628.0	627.6
167.5°	637.8	637.0	636.3	635.7	636.3	637.0	637.8	638.5	638.5	637.8	637.1
170°	643.4	642.6	641.8	641.0	641.8	642.6	643.4	644.1	644.2	643.5	642.8
172.5°	647.6	646.8	646.1	645.4	646.1	646.8	647.6	648.3	648.3	647.6	646.9
175°	652.0	651.2	650.4	649.6	650.4	651.2	652.0	652.7	652.8	652.1	651.5
177.5°	654.0	653.4	652.6	652.0	652.6	653.4	654.0	654.6	654.6	654.1	653.5
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

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	5.3	5.6	5.1	5.1	4.9	4.9	5.1	5.3	5.4
90°	8.7	8.1	7.3	6.6	5.8	5.0	4.1	3.2	2.3	1.4	0.5
92.5°	20.2	19.5	18.5	17.6	16.6	15.6	14.8	14.2	13.6	12.9	12.3
95°	39.9	39.1	38.1	36.9	35.8	34.7	34.0	33.7	33.5	33.3	33.1
97.5°	63.1	62.3	60.8	59.2	57.7	56.1	55.3	55.2	55.1	55.0	54.9
100°	78.8	77.8	76.3	74.9	73.4	72.0	71.2	71.2	71.2	71.2	71.2
102.5°	95.2	94.1	93.4	92.6	91.8	91.1	90.5	90.1	89.6	89.2	88.7
105°	122.3	121.5	120.9	120.2	119.6	118.9	118.2	117.7	117.1	116.5	116.0
107.5°	151.3	151.0	150.4	149.9	149.5	148.9	148.4	147.8	147.2	146.7	146.1
110°	171.3	170.9	170.6	170.2	169.9	169.6	169.2	168.5	168.0	167.4	166.8



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	191.5	191.3	190.8	190.4	190.0	189.6	189.2	188.9	188.6	188.3	188.0
115°	222.2	222.3	222.0	221.9	221.6	221.4	221.1	220.6	220.2	219.7	219.3
117.5°	252.5	252.4	252.2	252.0	251.8	251.6	251.4	251.2	251.0	250.7	250.6
120°	273.1	273.1	273.0	273.0	272.9	272.7	272.4	271.8	271.3	270.7	270.1
122.5°	293.5	293.6	293.2	292.9	292.7	292.3	292.1	291.9	291.7	291.5	291.3
125°	323.3	323.5	323.4	323.3	323.2	323.1	322.7	322.0	321.3	320.7	319.9
127.5°	352.8	352.8	352.7	352.6	352.4	352.3	352.0	351.6	351.2	350.9	350.5
130°	372.3	372.4	372.1	371.9	371.7	371.5	371.0	370.5	370.0	369.3	368.8
132.5°	391.0	391.1	391.1	391.2	391.2	391.3	390.8	389.9	389.0	388.1	387.1
135°	419.6	419.6	419.5	419.5	419.4	419.2	418.8	418.1	417.5	416.8	416.1
137.5°	447.5	447.5	447.2	446.9	446.7	446.5	446.0	445.3	444.7	444.1	443.4
140°	465.2	464.9	464.6	464.3	464.0	463.6	463.2	462.5	462.0	461.5	460.8
142.5°	482.6	482.4	482.1	481.6	481.2	480.7	480.3	479.8	479.3	478.8	478.4
145°	507.7	507.7	507.4	507.0	506.7	506.3	506.0	505.5	505.1	504.5	504.1
147.5°	530.6	530.3	530.0	529.8	529.4	529.1	529.0	528.7	528.4	528.2	527.9
150°	545.3	545.3	544.8	544.4	543.9	543.5	543.3	543.5	543.6	543.7	543.8
152.5°	558.7	558.4	558.1	557.9	557.8	557.6	557.4	557.3	557.1	557.0	556.8
155°	577.8	577.4	577.3	577.1	577.0	576.9	576.8	576.8	576.8	576.8	576.8
157.5°	594.6	594.1	594.1	594.0	593.8	593.7	593.8	594.1	594.2	594.5	594.8
160°	604.8	604.3	604.2	604.1	604.0	603.9	604.0	604.3	604.7	605.0	605.4
162.5°	614.2	613.7	613.7	613.7	613.6	613.6	613.7	613.9	614.2	614.5	614.7
165°	627.1	626.7	626.6	626.5	626.3	626.2	626.3	626.5	626.8	627.0	627.2
167.5°	636.4	635.8	635.8	635.8	635.8	635.8	636.0	636.4	636.9	637.4	637.8
170°	642.1	641.5	641.5	641.5	641.5	641.5	641.7	642.1	642.6	643.0	643.5
172.5°	646.2	645.5	645.5	645.5	645.5	645.5	645.8	646.2	646.7	647.1	647.6
175°	650.8	650.1	650.1	650.1	650.1	650.1	650.3	650.8	651.2	651.7	652.1
177.5°	653.0	652.5	652.6	652.6	652.7	652.8	653.0	653.4	653.8	654.2	654.5
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

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	5.1	4.5	4.8	5.0	4.9	5.1	5.1	5.1	5.2	5.4
90°	1.4	2.3	3.2	4.1	5.0	5.8	6.6	7.3	8.1	8.7	9.3
92.5°	12.9	13.6	14.2	14.8	15.6	16.6	17.6	18.5	19.5	20.2	21.0
95°	33.3	33.5	33.7	34.0	34.7	35.8	36.9	38.1	39.1	39.9	40.8
97.5°	55.0	55.1	55.2	55.3	56.1	57.7	59.2	60.8	62.3	63.1	63.8
100°	71.2	71.2	71.2	71.2	72.0	73.4	74.9	76.3	77.8	78.8	79.9
102.5°	89.2	89.6	90.1	90.5	91.1	91.8	92.6	93.4	94.1	95.2	96.3
105°	116.5	117.1	117.7	118.2	118.9	119.6	120.2	120.9	121.5	122.3	123.0
107.5°	146.7	147.2	147.8	148.4	148.9	149.5	149.9	150.4	151.0	151.3	151.7
110°	167.4	168.0	168.5	169.2	169.6	169.9	170.2	170.6	170.9	171.3	171.6



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	188.3	188.6	188.9	189.2	189.6	190.0	190.4	190.8	191.3	191.5	191.6
115°	219.7	220.2	220.6	221.1	221.4	221.6	221.9	222.0	222.3	222.2	222.0
117.5°	250.7	251.0	251.2	251.4	251.6	251.8	252.0	252.2	252.4	252.5	252.6
120°	270.7	271.3	271.8	272.4	272.7	272.9	273.0	273.0	273.1	273.1	273.1
122.5°	291.5	291.7	291.9	292.1	292.3	292.7	292.9	293.2	293.6	293.5	293.4
125°	320.7	321.3	322.0	322.7	323.1	323.2	323.3	323.4	323.5	323.3	323.1
127.5°	350.9	351.2	351.6	352.0	352.3	352.4	352.6	352.7	352.8	352.8	352.6
130°	369.3	370.0	370.5	371.0	371.5	371.7	371.9	372.1	372.4	372.3	372.1
132.5°	388.1	389.0	389.9	390.8	391.3	391.2	391.2	391.1	391.1	391.0	390.8
135°	416.8	417.5	418.1	418.8	419.2	419.4	419.5	419.5	419.6	419.6	419.6
137.5°	444.1	444.7	445.3	446.0	446.5	446.7	446.9	447.2	447.5	447.5	447.7
140°	461.5	462.0	462.5	463.2	463.6	464.0	464.3	464.6	464.9	465.2	465.4
142.5°	478.8	479.3	479.8	480.3	480.7	481.2	481.6	482.1	482.4	482.6	482.7
145°	504.5	505.1	505.5	506.0	506.3	506.7	507.0	507.4	507.7	507.7	507.7
147.5°	528.2	528.4	528.7	529.0	529.1	529.4	529.8	530.0	530.3	530.6	530.8
150°	543.7	543.6	543.5	543.3	543.5	543.9	544.4	544.8	545.3	545.3	545.3
152.5°	557.0	557.1	557.3	557.4	557.6	557.8	557.9	558.1	558.4	558.7	558.9
155°	576.8	576.8	576.8	576.8	576.9	577.0	577.1	577.3	577.4	577.8	578.3
157.5°	594.5	594.2	594.1	593.8	593.7	593.8	594.0	594.1	594.1	594.6	595.0
160°	605.0	604.7	604.3	604.0	603.9	604.0	604.1	604.2	604.3	604.8	605.2
162.5°	614.5	614.2	613.9	613.7	613.6	613.6	613.7	613.7	613.7	614.2	614.7
165°	627.0	626.8	626.5	626.3	626.2	626.3	626.5	626.6	626.7	627.1	627.6
167.5°	637.4	636.9	636.4	636.0	635.8	635.8	635.8	635.8	635.8	636.4	637.1
170°	643.0	642.6	642.1	641.7	641.5	641.5	641.5	641.5	641.5	642.1	642.8
172.5°	647.1	646.7	646.2	645.8	645.5	645.5	645.5	645.5	645.5	646.2	646.9
175°	651.7	651.2	650.8	650.3	650.1	650.1	650.1	650.1	650.1	650.8	651.5
177.5°	654.2	653.8	653.4	653.0	652.8	652.7	652.6	652.6	652.5	653.0	653.5
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

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°	5.6	5.9	5.6	5.5	5.6	5.8	6.1
90°	9.8	10.4	10.9	11.2	11.5	11.9	12.2
92.5°	21.8	22.6	23.0	23.3	23.5	23.7	24.0
95°	41.6	42.4	42.8	43.1	43.3	43.5	43.8
97.5°	64.6	65.4	65.8	65.9	66.1	66.2	66.3
100°	80.9	81.9	82.5	82.8	83.0	83.2	83.5
102.5°	97.5	98.5	99.2	99.6	99.9	100.2	100.5
105°	123.6	124.3	124.8	125.1	125.5	125.8	126.2
107.5°	152.0	152.3	152.5	152.5	152.5	152.4	152.4
110°	171.9	172.3	172.4	172.3	172.2	172.0	171.9



TEST NUMBER: P333497-940

CATALOG NUMBER: S125RDIP-S375D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	191.7	191.9	191.9	191.7	191.5	191.3	191.1
115°	221.9	221.9	221.8	221.6	221.5	221.4	221.3
117.5°	252.7	252.8	252.6	252.2	251.7	251.3	250.7
120°	273.1	273.1	273.0	272.5	272.1	271.6	271.2
122.5°	293.3	293.2	292.9	292.6	292.2	291.9	291.5
125°	322.9	322.6	322.4	322.4	322.3	322.1	322.0
127.5°	352.5	352.4	352.2	352.0	351.8	351.5	351.3
130°	372.0	371.9	371.8	371.5	371.3	371.0	370.9
132.5°	390.7	390.7	390.4	390.1	389.8	389.5	389.1
135°	419.6	419.6	419.5	419.0	418.6	418.1	417.7
137.5°	447.8	448.0	447.8	447.2	446.7	446.1	445.5
140°	465.7	465.8	465.7	465.1	464.6	464.0	463.4
142.5°	482.9	483.0	482.8	482.2	481.6	481.1	480.5
145°	507.7	507.7	507.5	507.2	506.8	506.5	506.1
147.5°	531.1	531.4	531.1	530.3	529.6	528.8	528.1
150°	545.3	545.3	545.2	545.0	544.7	544.6	544.3
152.5°	559.2	559.5	559.4	558.9	558.6	558.1	557.8
155°	578.7	579.2	579.2	578.5	578.0	577.4	576.8
157.5°	595.5	595.9	595.8	595.0	594.3	593.6	592.8
160°	605.6	606.1	606.1	605.6	604.9	604.4	603.9
162.5°	615.3	615.9	615.8	615.2	614.5	613.9	613.1
165°	628.0	628.6	628.4	627.8	627.1	626.3	625.7
167.5°	637.8	638.5	638.5	637.8	637.0	636.3	635.7
170°	643.5	644.2	644.1	643.4	642.6	641.8	641.0
172.5°	647.6	648.3	648.3	647.6	646.8	646.1	645.4
175°	652.1	652.8	652.7	652.0	651.2	650.4	649.6
177.5°	654.1	654.6	654.6	654.0	653.4	652.6	652.0
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7

(END OF REPORT)