

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: P333503-940

Luminaire Tested: **S125RDIP-S375D810U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333503-940
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-S375D810U940-4F0-1E-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: 3802.6 lumens
Efficiency: N/A
Efficacy: 121.9 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

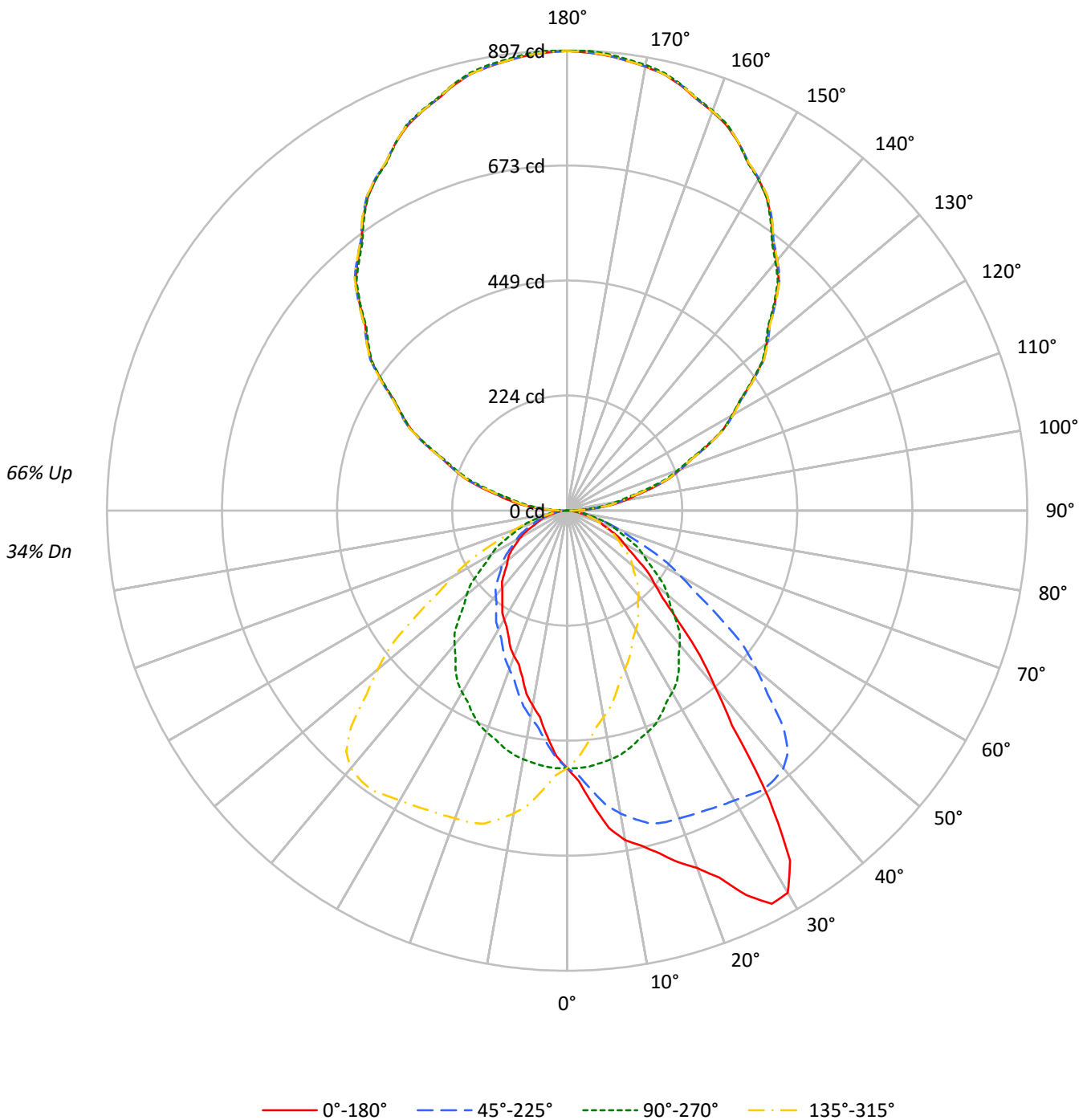
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	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°	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: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	1.3
10°-20°	141.1	3.7
20°-30°	223.6	5.9
30°-40°	269.7	7.1
40°-50°	240.9	6.3
50°-60°	184.7	4.9
60°-70°	120.0	3.2
70°-80°	58.3	1.5
80°-90°	15.9	0.4
90°-100°	60.0	1.6
100°-110°	177.2	4.7
110°-120°	300.2	7.9
120°-130°	395.0	10.4
130°-140°	442.6	11.6
140°-150°	433.8	11.4
150°-160°	364.4	9.6
160°-170°	242.2	6.4
170°-180°	84.8	2.2
0°-30°	412.8	10.9
0°-40°	682.5	17.9
0°-60°	1108.1	29.1
0°-90°	1302.3	34.2
90°-120°	537.4	14.1
90°-150°	1808.9	47.6
90°-180°	2500.0	65.7
0°-180°	3802.6	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°	17	1	17	1	17	10
95°	60	45	60	45	60	61
105°	173	159	173	159	173	183
115°	303	300	303	300	303	300
125°	441	438	441	438	441	394
135°	572	570	572	570	572	442
145°	694	691	694	691	694	433
155°	791	791	791	791	791	364
165°	858	860	858	860	858	242
175°	890	894	890	894	890	85
180°	896	896	896	896	896	



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-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°	7.0	6.7	6.4	6.3	6.4	6.6	6.3	6.0	5.9	5.7	5.6
90°	16.8	16.2	15.8	15.3	14.9	14.3	13.5	12.7	11.9	11.1	10.1
92.5°	32.9	32.5	32.2	31.9	31.6	30.9	29.9	28.8	27.8	26.8	25.4
95°	59.9	59.7	59.4	59.0	58.8	58.1	57.0	55.8	54.8	53.7	52.2
97.5°	91.0	90.8	90.5	90.3	90.2	89.6	88.5	87.6	86.5	85.5	83.4
100°	114.3	114.0	113.7	113.4	113.2	112.3	110.8	109.5	108.1	106.6	104.7
102.5°	137.8	137.3	136.9	136.5	136.1	135.1	133.6	132.1	130.5	129.0	128.0
105°	172.9	172.5	172.0	171.6	171.0	170.4	169.4	168.5	167.6	166.7	165.7
107.5°	208.9	208.9	208.9	209.0	209.0	208.8	208.3	207.9	207.4	207.0	206.3
110°	235.7	235.9	235.9	236.1	236.3	236.1	235.7	235.2	234.8	234.3	233.8



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	261.9	262.2	262.4	262.7	263.1	263.1	262.8	262.6	262.4	262.2	261.6
115°	303.4	303.4	303.6	303.8	303.9	304.1	304.3	304.4	304.5	304.7	304.4
117.5°	343.8	344.4	345.0	345.6	346.3	346.5	346.3	346.3	346.1	346.0	345.7
120°	371.7	372.3	372.9	373.5	374.2	374.4	374.4	374.4	374.4	374.4	374.3
122.5°	399.6	400.0	400.6	401.0	401.5	401.8	402.0	402.1	402.2	402.3	401.9
125°	441.4	441.6	441.7	441.8	442.0	442.2	442.6	442.8	443.2	443.4	443.3
127.5°	481.5	481.9	482.1	482.5	482.8	483.0	483.1	483.3	483.5	483.7	483.5
130°	508.3	508.6	508.9	509.3	509.5	509.8	510.0	510.1	510.2	510.4	510.1
132.5°	533.4	533.9	534.3	534.8	535.1	535.5	535.6	535.7	535.9	536.1	536.1
135°	572.5	573.1	573.7	574.4	575.0	575.2	575.2	575.2	575.2	575.2	575.1
137.5°	610.6	611.4	612.2	613.0	613.8	614.0	613.9	613.7	613.5	613.3	613.0
140°	635.3	636.0	636.8	637.6	638.3	638.6	638.2	637.9	637.7	637.3	636.9
142.5°	658.6	659.4	660.2	660.9	661.7	662.0	661.8	661.6	661.5	661.3	660.7
145°	693.8	694.3	694.7	695.2	695.6	695.9	695.9	695.9	695.9	695.9	695.4
147.5°	723.8	724.9	725.9	726.9	728.0	728.3	728.0	727.5	727.2	726.8	726.5
150°	746.1	746.4	746.7	747.0	747.3	747.5	747.5	747.5	747.5	747.5	746.9
152.5°	764.5	765.1	765.6	766.2	766.7	766.8	766.4	766.1	765.7	765.4	765.1
155°	790.7	791.5	792.3	793.0	793.8	793.9	793.3	792.6	792.0	791.4	791.2
157.5°	812.6	813.6	814.7	815.6	816.7	816.9	816.3	815.6	815.0	814.4	814.2
160°	827.7	828.4	829.2	830.0	830.8	830.8	830.2	829.6	829.0	828.4	828.2
162.5°	840.5	841.4	842.3	843.2	844.1	844.2	843.5	842.7	842.0	841.2	841.2
165°	857.6	858.5	859.5	860.4	861.4	861.5	860.9	860.3	859.7	859.1	858.9
167.5°	871.3	872.3	873.3	874.2	875.1	875.2	874.2	873.3	872.4	871.5	871.5
170°	878.6	879.7	880.7	881.8	882.9	883.0	882.1	881.1	880.2	879.2	879.2
172.5°	884.7	885.6	886.6	887.6	888.6	888.6	887.6	886.7	885.7	884.8	884.8
175°	890.5	891.5	892.6	893.7	894.7	894.8	893.9	893.0	892.1	891.1	891.1
177.5°	893.8	894.7	895.5	896.3	897.2	897.3	896.5	895.8	895.1	894.3	894.5
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-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°	5.6	5.4	5.4	5.1	4.6	5.3	5.5	5.4	5.4	5.3	5.2
90°	9.0	7.9	6.8	5.6	4.5	3.2	2.0	0.7	2.0	3.2	4.5
92.5°	24.1	22.7	21.4	20.3	19.4	18.6	17.7	16.9	17.7	18.6	19.4
95°	50.6	49.0	47.5	46.5	46.3	45.9	45.7	45.3	45.7	45.9	46.3
97.5°	81.2	79.1	77.0	75.8	75.7	75.5	75.4	75.3	75.4	75.5	75.7
100°	102.6	100.7	98.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
102.5°	127.0	125.9	124.9	124.1	123.5	122.9	122.3	121.6	122.3	122.9	123.5
105°	164.8	163.9	162.9	162.1	161.3	160.5	159.8	159.0	159.8	160.5	161.3
107.5°	205.5	204.8	204.1	203.4	202.6	201.8	201.0	200.3	201.0	201.8	202.6
110°	233.4	232.9	232.5	231.8	231.0	230.2	229.5	228.7	229.5	230.2	231.0



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	261.0	260.4	259.8	259.3	259.0	258.5	258.2	257.7	258.2	258.5	259.0
115°	304.1	303.8	303.4	303.0	302.4	301.8	301.1	300.5	301.1	301.8	302.4
117.5°	345.4	345.2	344.9	344.6	344.3	344.0	343.8	343.5	343.8	344.0	344.3
120°	374.2	374.0	373.8	373.4	372.6	371.8	371.0	370.2	371.0	371.8	372.6
122.5°	401.5	401.1	400.7	400.4	400.1	399.8	399.6	399.2	399.6	399.8	400.1
125°	443.2	443.0	442.8	442.3	441.4	440.4	439.5	438.5	439.5	440.4	441.4
127.5°	483.2	483.0	482.9	482.5	482.0	481.4	481.0	480.5	481.0	481.4	482.0
130°	509.8	509.4	509.2	508.6	507.8	507.1	506.3	505.5	506.3	507.1	507.8
132.5°	536.2	536.3	536.3	535.7	534.4	533.2	531.9	530.7	531.9	533.2	534.4
135°	575.0	574.8	574.6	574.1	573.2	572.2	571.3	570.3	571.3	572.2	573.2
137.5°	612.6	612.3	612.0	611.4	610.5	609.6	608.7	607.8	608.7	609.6	610.5
140°	636.4	635.9	635.4	634.8	634.1	633.3	632.5	631.8	632.5	633.3	634.1
142.5°	660.1	659.5	659.0	658.4	657.6	657.0	656.4	655.8	656.4	657.0	657.6
145°	694.9	694.5	694.0	693.5	692.9	692.2	691.6	691.0	691.6	692.2	692.9
147.5°	726.1	725.8	725.3	725.0	724.7	724.3	724.0	723.6	724.0	724.3	724.7
150°	746.3	745.6	745.0	744.8	744.9	745.1	745.2	745.4	745.2	745.1	744.9
152.5°	764.8	764.6	764.4	764.1	763.9	763.7	763.5	763.2	763.5	763.7	763.9
155°	791.1	790.9	790.8	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7
157.5°	814.1	814.0	813.8	813.9	814.2	814.6	814.9	815.3	814.9	814.6	814.2
160°	828.0	827.9	827.8	827.9	828.4	828.8	829.3	829.7	829.3	828.8	828.4
162.5°	841.2	841.1	841.1	841.2	841.6	841.9	842.2	842.6	842.2	841.9	841.6
165°	858.7	858.5	858.4	858.5	858.8	859.2	859.4	859.8	859.4	859.2	858.8
167.5°	871.5	871.5	871.5	871.7	872.4	873.0	873.6	874.2	873.6	873.0	872.4
170°	879.2	879.2	879.2	879.6	880.2	880.8	881.5	882.1	881.5	880.8	880.2
172.5°	884.8	884.8	884.8	885.1	885.7	886.4	887.0	887.6	887.0	886.4	885.7
175°	891.1	891.1	891.1	891.4	892.1	892.7	893.3	893.9	893.3	892.7	892.1
177.5°	894.6	894.7	894.8	895.1	895.6	896.2	896.6	897.2	896.6	896.2	895.6
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-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°	5.3	5.5	5.5	6.1	5.8	6.2	6.3	6.3	6.5	6.6	6.6
90°	5.6	6.8	7.9	9.0	10.1	11.1	11.9	12.7	13.5	14.3	14.9
92.5°	20.3	21.4	22.7	24.1	25.4	26.8	27.8	28.8	29.9	30.9	31.6
95°	46.5	47.5	49.0	50.6	52.2	53.7	54.8	55.8	57.0	58.1	58.8
97.5°	75.8	77.0	79.1	81.2	83.4	85.5	86.5	87.6	88.5	89.6	90.2
100°	97.6	98.6	100.7	102.6	104.7	106.6	108.1	109.5	110.8	112.3	113.2
102.5°	124.1	124.9	125.9	127.0	128.0	129.0	130.5	132.1	133.6	135.1	136.1
105°	162.1	162.9	163.9	164.8	165.7	166.7	167.6	168.5	169.4	170.4	171.0
107.5°	203.4	204.1	204.8	205.5	206.3	207.0	207.4	207.9	208.3	208.8	209.0
110°	231.8	232.5	232.9	233.4	233.8	234.3	234.8	235.2	235.7	236.1	236.3



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	259.3	259.8	260.4	261.0	261.6	262.2	262.4	262.6	262.8	263.1	263.1
115°	303.0	303.4	303.8	304.1	304.4	304.7	304.5	304.4	304.3	304.1	303.9
117.5°	344.6	344.9	345.2	345.4	345.7	346.0	346.1	346.3	346.3	346.5	346.3
120°	373.4	373.8	374.0	374.2	374.3	374.4	374.4	374.4	374.4	374.4	374.2
122.5°	400.4	400.7	401.1	401.5	401.9	402.3	402.2	402.1	402.0	401.8	401.5
125°	442.3	442.8	443.0	443.2	443.3	443.4	443.2	442.8	442.6	442.2	442.0
127.5°	482.5	482.9	483.0	483.2	483.5	483.7	483.5	483.3	483.1	483.0	482.8
130°	508.6	509.2	509.4	509.8	510.1	510.4	510.2	510.1	510.0	509.8	509.5
132.5°	535.7	536.3	536.3	536.2	536.1	536.1	535.9	535.7	535.6	535.5	535.1
135°	574.1	574.6	574.8	575.0	575.1	575.2	575.2	575.2	575.2	575.2	575.0
137.5°	611.4	612.0	612.3	612.6	613.0	613.3	613.5	613.7	613.9	614.0	613.8
140°	634.8	635.4	635.9	636.4	636.9	637.3	637.7	637.9	638.2	638.6	638.3
142.5°	658.4	659.0	659.5	660.1	660.7	661.3	661.5	661.6	661.8	662.0	661.7
145°	693.5	694.0	694.5	694.9	695.4	695.9	695.9	695.9	695.9	695.9	695.6
147.5°	725.0	725.3	725.8	726.1	726.5	726.8	727.2	727.5	728.0	728.3	728.0
150°	744.8	745.0	745.6	746.3	746.9	747.5	747.5	747.5	747.5	747.5	747.3
152.5°	764.1	764.4	764.6	764.8	765.1	765.4	765.7	766.1	766.4	766.8	766.7
155°	790.7	790.8	790.9	791.1	791.2	791.4	792.0	792.6	793.3	793.9	793.8
157.5°	813.9	813.8	814.0	814.1	814.2	814.4	815.0	815.6	816.3	816.9	816.7
160°	827.9	827.8	827.9	828.0	828.2	828.4	829.0	829.6	830.2	830.8	830.8
162.5°	841.2	841.1	841.1	841.2	841.2	841.2	842.0	842.7	843.5	844.2	844.1
165°	858.5	858.4	858.5	858.7	858.9	859.1	859.7	860.3	860.9	861.5	861.4
167.5°	871.7	871.5	871.5	871.5	871.5	871.5	872.4	873.3	874.2	875.2	875.1
170°	879.6	879.2	879.2	879.2	879.2	879.2	880.2	881.1	882.1	883.0	882.9
172.5°	885.1	884.8	884.8	884.8	884.8	884.8	885.7	886.7	887.6	888.6	888.6
175°	891.4	891.1	891.1	891.1	891.1	891.1	892.1	893.0	893.9	894.8	894.7
177.5°	895.1	894.8	894.7	894.6	894.5	894.3	895.1	895.8	896.5	897.3	897.2
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-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°	6.9	6.8	6.9	7.0	6.9	6.8	6.9	6.6	6.6	6.5	6.3
90°	15.3	15.8	16.2	16.8	16.2	15.8	15.3	14.9	14.3	13.5	12.7
92.5°	31.9	32.2	32.5	32.9	32.5	32.2	31.9	31.6	30.9	29.9	28.8
95°	59.0	59.4	59.7	59.9	59.7	59.4	59.0	58.8	58.1	57.0	55.8
97.5°	90.3	90.5	90.8	91.0	90.8	90.5	90.3	90.2	89.6	88.5	87.6
100°	113.4	113.7	114.0	114.3	114.0	113.7	113.4	113.2	112.3	110.8	109.5
102.5°	136.5	136.9	137.3	137.8	137.3	136.9	136.5	136.1	135.1	133.6	132.1
105°	171.6	172.0	172.5	172.9	172.5	172.0	171.6	171.0	170.4	169.4	168.5
107.5°	209.0	208.9	208.9	208.9	208.9	208.9	209.0	209.0	208.8	208.3	207.9
110°	236.1	235.9	235.9	235.7	235.9	235.9	236.1	236.3	236.1	235.7	235.2



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	262.7	262.4	262.2	261.9	262.2	262.4	262.7	263.1	263.1	262.8	262.6
115°	303.8	303.6	303.4	303.4	303.4	303.6	303.8	303.9	304.1	304.3	304.4
117.5°	345.6	345.0	344.4	343.8	344.4	345.0	345.6	346.3	346.5	346.3	346.3
120°	373.5	372.9	372.3	371.7	372.3	372.9	373.5	374.2	374.4	374.4	374.4
122.5°	401.0	400.6	400.0	399.6	400.0	400.6	401.0	401.5	401.8	402.0	402.1
125°	441.8	441.7	441.6	441.4	441.6	441.7	441.8	442.0	442.2	442.6	442.8
127.5°	482.5	482.1	481.9	481.5	481.9	482.1	482.5	482.8	483.0	483.1	483.3
130°	509.3	508.9	508.6	508.3	508.6	508.9	509.3	509.5	509.8	510.0	510.1
132.5°	534.8	534.3	533.9	533.4	533.9	534.3	534.8	535.1	535.5	535.6	535.7
135°	574.4	573.7	573.1	572.5	573.1	573.7	574.4	575.0	575.2	575.2	575.2
137.5°	613.0	612.2	611.4	610.6	611.4	612.2	613.0	613.8	614.0	613.9	613.7
140°	637.6	636.8	636.0	635.3	636.0	636.8	637.6	638.3	638.6	638.2	637.9
142.5°	660.9	660.2	659.4	658.6	659.4	660.2	660.9	661.7	662.0	661.8	661.6
145°	695.2	694.7	694.3	693.8	694.3	694.7	695.2	695.6	695.9	695.9	695.9
147.5°	726.9	725.9	724.9	723.8	724.9	725.9	726.9	728.0	728.3	728.0	727.5
150°	747.0	746.7	746.4	746.1	746.4	746.7	747.0	747.3	747.5	747.5	747.5
152.5°	766.2	765.6	765.1	764.5	765.1	765.6	766.2	766.7	766.8	766.4	766.1
155°	793.0	792.3	791.5	790.7	791.5	792.3	793.0	793.8	793.9	793.3	792.6
157.5°	815.6	814.7	813.6	812.6	813.6	814.7	815.6	816.7	816.9	816.3	815.6
160°	830.0	829.2	828.4	827.7	828.4	829.2	830.0	830.8	830.8	830.2	829.6
162.5°	843.2	842.3	841.4	840.5	841.4	842.3	843.2	844.1	844.2	843.5	842.7
165°	860.4	859.5	858.5	857.6	858.5	859.5	860.4	861.4	861.5	860.9	860.3
167.5°	874.2	873.3	872.3	871.3	872.3	873.3	874.2	875.1	875.2	874.2	873.3
170°	881.8	880.7	879.7	878.6	879.7	880.7	881.8	882.9	883.0	882.1	881.1
172.5°	887.6	886.6	885.6	884.7	885.6	886.6	887.6	888.6	888.6	887.6	886.7
175°	893.7	892.6	891.5	890.5	891.5	892.6	893.7	894.7	894.8	893.9	893.0
177.5°	896.3	895.5	894.7	893.8	894.7	895.5	896.3	897.2	897.3	896.5	895.8
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-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°	6.3	6.2	5.8	6.1	5.5	5.5	5.3	5.2	5.3	5.4	5.4
90°	11.9	11.1	10.1	9.0	7.9	6.8	5.6	4.5	3.2	2.0	0.7
92.5°	27.8	26.8	25.4	24.1	22.7	21.4	20.3	19.4	18.6	17.7	16.9
95°	54.8	53.7	52.2	50.6	49.0	47.5	46.5	46.3	45.9	45.7	45.3
97.5°	86.5	85.5	83.4	81.2	79.1	77.0	75.8	75.7	75.5	75.4	75.3
100°	108.1	106.6	104.7	102.6	100.7	98.6	97.6	97.6	97.6	97.6	97.6
102.5°	130.5	129.0	128.0	127.0	125.9	124.9	124.1	123.5	122.9	122.3	121.6
105°	167.6	166.7	165.7	164.8	163.9	162.9	162.1	161.3	160.5	159.8	159.0
107.5°	207.4	207.0	206.3	205.5	204.8	204.1	203.4	202.6	201.8	201.0	200.3
110°	234.8	234.3	233.8	233.4	232.9	232.5	231.8	231.0	230.2	229.5	228.7



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	262.4	262.2	261.6	261.0	260.4	259.8	259.3	259.0	258.5	258.2	257.7
115°	304.5	304.7	304.4	304.1	303.8	303.4	303.0	302.4	301.8	301.1	300.5
117.5°	346.1	346.0	345.7	345.4	345.2	344.9	344.6	344.3	344.0	343.8	343.5
120°	374.4	374.4	374.3	374.2	374.0	373.8	373.4	372.6	371.8	371.0	370.2
122.5°	402.2	402.3	401.9	401.5	401.1	400.7	400.4	400.1	399.8	399.6	399.2
125°	443.2	443.4	443.3	443.2	443.0	442.8	442.3	441.4	440.4	439.5	438.5
127.5°	483.5	483.7	483.5	483.2	483.0	482.9	482.5	482.0	481.4	481.0	480.5
130°	510.2	510.4	510.1	509.8	509.4	509.2	508.6	507.8	507.1	506.3	505.5
132.5°	535.9	536.1	536.1	536.2	536.3	536.3	535.7	534.4	533.2	531.9	530.7
135°	575.2	575.2	575.1	575.0	574.8	574.6	574.1	573.2	572.2	571.3	570.3
137.5°	613.5	613.3	613.0	612.6	612.3	612.0	611.4	610.5	609.6	608.7	607.8
140°	637.7	637.3	636.9	636.4	635.9	635.4	634.8	634.1	633.3	632.5	631.8
142.5°	661.5	661.3	660.7	660.1	659.5	659.0	658.4	657.6	657.0	656.4	655.8
145°	695.9	695.9	695.4	694.9	694.5	694.0	693.5	692.9	692.2	691.6	691.0
147.5°	727.2	726.8	726.5	726.1	725.8	725.3	725.0	724.7	724.3	724.0	723.6
150°	747.5	747.5	746.9	746.3	745.6	745.0	744.8	744.9	745.1	745.2	745.4
152.5°	765.7	765.4	765.1	764.8	764.6	764.4	764.1	763.9	763.7	763.5	763.2
155°	792.0	791.4	791.2	791.1	790.9	790.8	790.7	790.7	790.7	790.7	790.7
157.5°	815.0	814.4	814.2	814.1	814.0	813.8	813.9	814.2	814.6	814.9	815.3
160°	829.0	828.4	828.2	828.0	827.9	827.8	827.9	828.4	828.8	829.3	829.7
162.5°	842.0	841.2	841.2	841.2	841.1	841.1	841.2	841.6	841.9	842.2	842.6
165°	859.7	859.1	858.9	858.7	858.5	858.4	858.5	858.8	859.2	859.4	859.8
167.5°	872.4	871.5	871.5	871.5	871.5	871.5	871.7	872.4	873.0	873.6	874.2
170°	880.2	879.2	879.2	879.2	879.2	879.2	879.6	880.2	880.8	881.5	882.1
172.5°	885.7	884.8	884.8	884.8	884.8	884.8	885.1	885.7	886.4	887.0	887.6
175°	892.1	891.1	891.1	891.1	891.1	891.1	891.4	892.1	892.7	893.3	893.9
177.5°	895.1	894.3	894.5	894.6	894.7	894.8	895.1	895.6	896.2	896.6	897.2
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-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°	5.5	5.3	4.6	5.1	5.4	5.4	5.6	5.6	5.7	5.9	6.0
90°	2.0	3.2	4.5	5.6	6.8	7.9	9.0	10.1	11.1	11.9	12.7
92.5°	17.7	18.6	19.4	20.3	21.4	22.7	24.1	25.4	26.8	27.8	28.8
95°	45.7	45.9	46.3	46.5	47.5	49.0	50.6	52.2	53.7	54.8	55.8
97.5°	75.4	75.5	75.7	75.8	77.0	79.1	81.2	83.4	85.5	86.5	87.6
100°	97.6	97.6	97.6	97.6	98.6	100.7	102.6	104.7	106.6	108.1	109.5
102.5°	122.3	122.9	123.5	124.1	124.9	125.9	127.0	128.0	129.0	130.5	132.1
105°	159.8	160.5	161.3	162.1	162.9	163.9	164.8	165.7	166.7	167.6	168.5
107.5°	201.0	201.8	202.6	203.4	204.1	204.8	205.5	206.3	207.0	207.4	207.9
110°	229.5	230.2	231.0	231.8	232.5	232.9	233.4	233.8	234.3	234.8	235.2



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	258.2	258.5	259.0	259.3	259.8	260.4	261.0	261.6	262.2	262.4	262.6
115°	301.1	301.8	302.4	303.0	303.4	303.8	304.1	304.4	304.7	304.5	304.4
117.5°	343.8	344.0	344.3	344.6	344.9	345.2	345.4	345.7	346.0	346.1	346.3
120°	371.0	371.8	372.6	373.4	373.8	374.0	374.2	374.3	374.4	374.4	374.4
122.5°	399.6	399.8	400.1	400.4	400.7	401.1	401.5	401.9	402.3	402.2	402.1
125°	439.5	440.4	441.4	442.3	442.8	443.0	443.2	443.3	443.4	443.2	442.8
127.5°	481.0	481.4	482.0	482.5	482.9	483.0	483.2	483.5	483.7	483.5	483.3
130°	506.3	507.1	507.8	508.6	509.2	509.4	509.8	510.1	510.4	510.2	510.1
132.5°	531.9	533.2	534.4	535.7	536.3	536.3	536.2	536.1	536.1	535.9	535.7
135°	571.3	572.2	573.2	574.1	574.6	574.8	575.0	575.1	575.2	575.2	575.2
137.5°	608.7	609.6	610.5	611.4	612.0	612.3	612.6	613.0	613.3	613.5	613.7
140°	632.5	633.3	634.1	634.8	635.4	635.9	636.4	636.9	637.3	637.7	637.9
142.5°	656.4	657.0	657.6	658.4	659.0	659.5	660.1	660.7	661.3	661.5	661.6
145°	691.6	692.2	692.9	693.5	694.0	694.5	694.9	695.4	695.9	695.9	695.9
147.5°	724.0	724.3	724.7	725.0	725.3	725.8	726.1	726.5	726.8	727.2	727.5
150°	745.2	745.1	744.9	744.8	745.0	745.6	746.3	746.9	747.5	747.5	747.5
152.5°	763.5	763.7	763.9	764.1	764.4	764.6	764.8	765.1	765.4	765.7	766.1
155°	790.7	790.7	790.7	790.7	790.8	790.9	791.1	791.2	791.4	792.0	792.6
157.5°	814.9	814.6	814.2	813.9	813.8	814.0	814.1	814.2	814.4	815.0	815.6
160°	829.3	828.8	828.4	827.9	827.8	827.9	828.0	828.2	828.4	829.0	829.6
162.5°	842.2	841.9	841.6	841.2	841.1	841.1	841.2	841.2	841.2	842.0	842.7
165°	859.4	859.2	858.8	858.5	858.4	858.5	858.7	858.9	859.1	859.7	860.3
167.5°	873.6	873.0	872.4	871.7	871.5	871.5	871.5	871.5	871.5	872.4	873.3
170°	881.5	880.8	880.2	879.6	879.2	879.2	879.2	879.2	879.2	880.2	881.1
172.5°	887.0	886.4	885.7	885.1	884.8	884.8	884.8	884.8	884.8	885.7	886.7
175°	893.3	892.7	892.1	891.4	891.1	891.1	891.1	891.1	891.1	892.1	893.0
177.5°	896.6	896.2	895.6	895.1	894.8	894.7	894.6	894.5	894.3	895.1	895.8
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-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°	6.3	6.6	6.4	6.3	6.4	6.7	7.0
90°	13.5	14.3	14.9	15.3	15.8	16.2	16.8
92.5°	29.9	30.9	31.6	31.9	32.2	32.5	32.9
95°	57.0	58.1	58.8	59.0	59.4	59.7	59.9
97.5°	88.5	89.6	90.2	90.3	90.5	90.8	91.0
100°	110.8	112.3	113.2	113.4	113.7	114.0	114.3
102.5°	133.6	135.1	136.1	136.5	136.9	137.3	137.8
105°	169.4	170.4	171.0	171.6	172.0	172.5	172.9
107.5°	208.3	208.8	209.0	209.0	208.9	208.9	208.9
110°	235.7	236.1	236.3	236.1	235.9	235.9	235.7



TEST NUMBER: P333503-940

CATALOG NUMBER: S125RDIP-S375D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	262.8	263.1	263.1	262.7	262.4	262.2	261.9
115°	304.3	304.1	303.9	303.8	303.6	303.4	303.4
117.5°	346.3	346.5	346.3	345.6	345.0	344.4	343.8
120°	374.4	374.4	374.2	373.5	372.9	372.3	371.7
122.5°	402.0	401.8	401.5	401.0	400.6	400.0	399.6
125°	442.6	442.2	442.0	441.8	441.7	441.6	441.4
127.5°	483.1	483.0	482.8	482.5	482.1	481.9	481.5
130°	510.0	509.8	509.5	509.3	508.9	508.6	508.3
132.5°	535.6	535.5	535.1	534.8	534.3	533.9	533.4
135°	575.2	575.2	575.0	574.4	573.7	573.1	572.5
137.5°	613.9	614.0	613.8	613.0	612.2	611.4	610.6
140°	638.2	638.6	638.3	637.6	636.8	636.0	635.3
142.5°	661.8	662.0	661.7	660.9	660.2	659.4	658.6
145°	695.9	695.9	695.6	695.2	694.7	694.3	693.8
147.5°	728.0	728.3	728.0	726.9	725.9	724.9	723.8
150°	747.5	747.5	747.3	747.0	746.7	746.4	746.1
152.5°	766.4	766.8	766.7	766.2	765.6	765.1	764.5
155°	793.3	793.9	793.8	793.0	792.3	791.5	790.7
157.5°	816.3	816.9	816.7	815.6	814.7	813.6	812.6
160°	830.2	830.8	830.8	830.0	829.2	828.4	827.7
162.5°	843.5	844.2	844.1	843.2	842.3	841.4	840.5
165°	860.9	861.5	861.4	860.4	859.5	858.5	857.6
167.5°	874.2	875.2	875.1	874.2	873.3	872.3	871.3
170°	882.1	883.0	882.9	881.8	880.7	879.7	878.6
172.5°	887.6	888.6	888.6	887.6	886.6	885.6	884.7
175°	893.9	894.8	894.7	893.7	892.6	891.5	890.5
177.5°	896.5	897.3	897.2	896.3	895.5	894.7	893.8
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0

(END OF REPORT)