

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: P333125-940

Luminaire Tested: **S125DIP-S375D590U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333125-940
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: S125DIP-S375D590U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3195.3 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

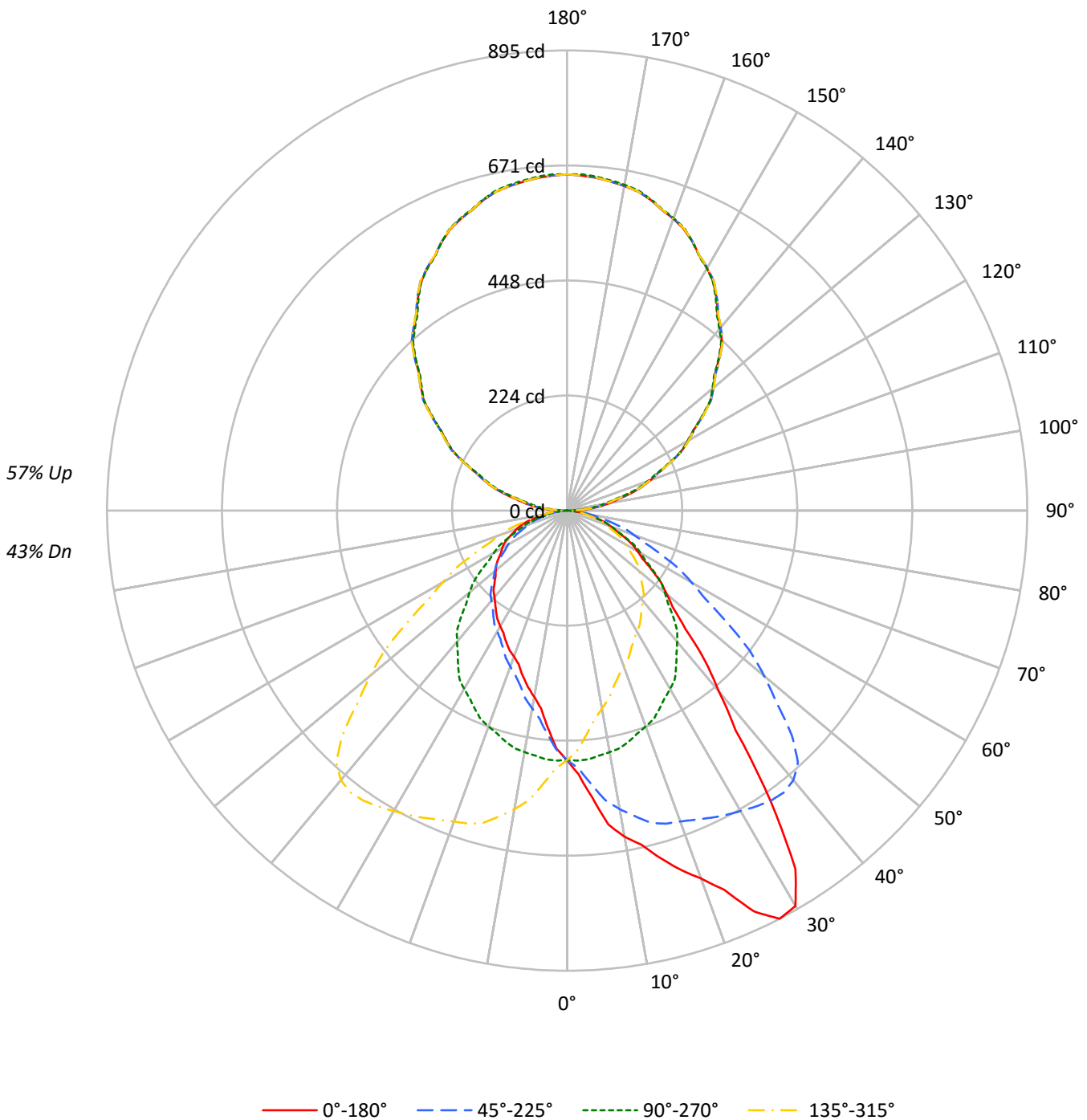
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	79	79	79	64	64	64	50	50	50	43				
1	96	92	88	85	88	84	81	78	70	68	66	56	55	54	44	43	42	37				
2	88	81	75	70	80	74	69	65	61	58	55	50	47	45	39	37	36	31				
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	33	31	26				
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	29	27	23				
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	20				
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	20	17				
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15				
8	53	41	33	28	49	38	31	26	32	27	23	27	23	20	21	18	16	14				
9	49	37	30	25	45	35	28	24	29	24	21	24	20	18	20	17	15	12				
10	46	34	27	22	42	32	25	21	27	22	18	22	19	16	18	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3135	3135	3135	3135
5°	3630	3146	2755	3146
10°	4224	3129	2413	3129
15°	4676	3107	2226	3107
20°	5234	3070	2076	3070
25°	6131	3029	2003	3029
30°	6623	2988	1939	2988
35°	5445	2912	1898	2912
40°	3871	2807	1851	2807
45°	2974	2665	1825	2665
50°	2538	2488	1822	2488
55°	2260	2315	1838	2315
60°	2038	2126	1885	2126
65°	1883	1936	1933	1936
70°	1713	1739	1962	1739
75°	1510	1532	1941	1532
80°	1272	1250	1778	1250
85°	1008	897	1438	897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	1.5
10°-20°	139.1	4.4
20°-30°	225.9	7.1
30°-40°	275.6	8.6
40°-50°	250.7	7.8
50°-60°	199.7	6.3
60°-70°	139.1	4.4
70°-80°	74.2	2.3
80°-90°	20.1	0.6
90°-100°	43.8	1.4
100°-110°	129.3	4.0
110°-120°	219.0	6.9
120°-130°	288.2	9.0
130°-140°	322.9	10.1
140°-150°	316.5	9.9
150°-160°	265.8	8.3
160°-170°	176.7	5.5
170°-180°	61.8	1.9
0°-30°	411.8	12.9
0°-40°	687.4	21.5
0°-60°	1137.8	35.6
0°-90°	1371.2	42.9
90°-120°	392.0	12.3
90°-150°	1319.7	41.3
90°-180°	1824.0	57.1
0°-180°	3195.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	560	485	425	485	560	56
15°	699	465	333	465	699	200
25°	860	425	281	425	860	393
35°	691	369	241	369	691	423
45°	326	292	200	292	326	261
55°	201	206	163	206	201	181
65°	123	127	126	127	123	122
75°	60	61	78	61	60	65
85°	14	12	19	12	14	16
90°	12	0	12	0	12	8
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	513.4	512.8	512.1	510.9	511.8	509.0	507.7	505.4	502.6	501.6	500.4
5°	560.0	561.1	562.1	557.8	558.2	555.3	548.7	543.3	539.0	533.4	529.5
7.5°	616.1	613.7	613.4	610.6	605.8	601.9	595.0	586.2	577.7	567.9	559.9
10°	644.1	644.4	642.5	639.2	634.0	630.3	621.3	612.6	602.1	589.7	580.9
12.5°	665.2	666.1	663.7	659.2	656.7	648.5	641.3	631.1	618.6	608.7	595.2
15°	699.3	697.1	695.4	689.8	685.5	676.9	665.6	654.8	641.2	628.7	616.1
17.5°	732.2	734.1	730.9	725.9	712.4	702.3	687.2	672.4	655.5	638.6	623.7
20°	761.5	763.2	758.5	749.6	733.5	723.4	703.5	684.5	664.9	643.3	626.8
22.5°	798.2	796.8	790.4	776.9	763.0	744.4	722.7	699.6	675.1	650.7	628.7
25°	860.4	851.8	847.8	831.2	812.9	785.4	755.8	722.0	691.5	659.2	631.2
27.5°	895.0	892.2	887.9	876.3	857.0	827.7	792.7	751.5	708.6	667.7	631.0
30°	888.1	888.5	888.9	885.2	872.8	850.8	815.9	771.7	720.5	674.6	632.1
32.5°	826.7	834.2	841.4	849.9	853.4	849.1	827.3	787.3	734.7	682.5	631.5
35°	690.6	692.9	716.2	739.3	770.6	795.0	811.2	793.4	749.2	689.2	630.7
37.5°	538.5	549.7	565.8	591.8	637.0	677.5	729.6	753.5	739.2	691.4	629.3
40°	459.1	469.4	479.9	506.5	544.6	593.6	652.7	703.2	715.0	684.5	624.3
42.5°	397.8	405.9	417.6	437.6	469.4	512.8	569.4	635.3	675.9	664.4	613.9
45°	325.6	330.7	339.7	355.6	378.7	412.7	462.5	534.7	597.5	618.3	589.3
47.5°	278.7	278.7	285.7	296.6	313.3	342.1	379.1	435.5	502.7	552.3	550.0
50°	252.6	251.6	257.2	266.6	279.8	299.0	334.2	379.3	443.8	500.1	515.8
52.5°	230.2	230.3	233.7	240.8	251.8	268.1	294.4	335.2	390.2	448.0	477.5
55°	200.7	199.8	203.8	208.5	216.6	227.3	246.2	277.3	322.1	378.9	417.2
57.5°	173.6	175.9	177.5	180.7	187.4	194.7	210.6	233.4	268.9	317.7	358.2
60°	157.8	160.1	161.3	164.6	170.0	176.2	188.5	207.1	236.9	279.0	319.1
62.5°	143.7	145.4	145.9	148.8	153.2	159.2	168.9	184.5	208.1	244.9	284.2
65°	123.2	123.2	124.0	127.2	129.2	134.6	142.0	153.3	172.3	200.9	234.5
67.5°	103.5	104.5	104.3	105.7	107.5	111.7	117.0	126.4	140.4	161.3	188.2
70°	90.7	91.5	91.3	92.3	94.3	97.0	101.4	110.2	120.3	138.2	161.3
72.5°	79.1	79.5	78.9	80.3	81.5	83.8	88.7	93.5	102.8	118.0	137.0
75°	60.5	61.0	61.4	62.2	63.5	64.7	67.1	71.9	78.1	89.4	101.6
77.5°	45.4	44.6	45.7	45.5	46.2	47.2	49.3	51.8	56.9	64.1	73.5
80°	34.2	34.4	34.4	34.6	35.7	36.3	38.1	39.9	43.9	49.2	55.8
82.5°	25.0	25.5	25.1	25.6	26.4	26.8	27.9	29.4	31.7	35.9	40.7
85°	13.6	12.6	13.0	13.4	13.4	13.6	14.4	15.1	16.3	17.9	19.8
87.5°	6.4	6.7	6.8	6.7	6.8	6.7	7.2	7.1	7.5	7.8	8.4
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



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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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	499.4	498.3	497.0	494.6	491.9	490.4	488.1	486.6	483.7	481.2	478.5
5°	524.8	519.4	514.5	508.1	501.1	496.6	491.2	485.3	479.0	472.7	465.7
7.5°	551.1	541.5	531.3	520.2	509.3	499.4	489.8	480.5	471.8	461.2	452.3
10°	568.6	556.7	543.9	529.0	514.2	501.5	488.6	477.2	465.7	453.3	442.4
12.5°	586.3	570.4	552.3	535.8	518.3	502.8	487.6	473.1	458.6	444.9	432.1
15°	598.8	584.8	568.1	544.6	524.8	503.5	483.4	464.7	447.1	431.9	415.8
17.5°	607.0	588.9	571.0	548.5	522.5	498.8	475.9	454.4	434.7	415.4	399.9
20°	608.4	589.9	571.1	549.1	522.5	495.3	472.4	446.7	425.5	405.5	386.6
22.5°	608.0	586.9	566.5	543.9	517.9	492.8	465.2	439.0	415.9	396.3	376.5
25°	603.3	580.9	555.3	532.4	506.8	480.3	452.3	425.1	401.6	379.2	359.5
27.5°	599.4	570.3	541.4	514.7	490.0	465.7	438.8	411.0	385.0	362.2	343.8
30°	594.7	562.7	530.1	502.3	477.0	453.3	427.9	400.7	373.5	351.3	331.5
32.5°	590.4	553.1	518.8	488.5	461.6	438.6	415.3	389.4	362.7	340.1	320.3
35°	582.1	539.0	499.6	465.5	436.8	413.1	393.5	369.4	344.9	323.1	304.2
37.5°	571.6	520.5	478.2	442.4	411.0	386.0	367.8	349.3	325.7	304.7	287.6
40°	563.3	507.3	462.5	425.9	393.3	367.4	350.4	333.0	313.4	293.8	275.7
42.5°	552.9	495.4	446.7	407.2	375.1	349.7	332.0	317.2	299.9	281.6	264.8
45°	533.9	473.9	421.2	378.7	346.2	321.2	302.9	291.8	278.7	261.4	247.3
47.5°	505.8	448.1	393.5	349.7	316.1	293.0	275.8	265.1	256.0	243.2	230.2
50°	480.9	428.8	373.5	330.1	296.5	273.2	257.3	247.6	239.9	230.0	219.0
52.5°	453.1	404.6	353.9	310.9	277.7	254.8	239.2	230.7	224.2	217.1	206.3
55°	408.8	367.6	320.6	279.8	249.1	226.7	213.0	205.6	200.3	194.9	188.3
57.5°	360.1	327.8	286.2	248.9	220.6	200.2	187.5	180.3	176.1	173.3	169.5
60°	325.7	298.2	262.3	228.3	200.7	182.5	170.2	164.6	161.1	158.9	156.0
62.5°	293.9	271.3	238.1	207.1	182.9	165.8	154.7	149.3	146.0	144.8	142.5
65°	247.1	229.5	202.2	176.4	155.8	141.2	131.9	126.7	124.7	123.4	123.6
67.5°	200.8	190.2	168.2	146.2	129.7	117.5	110.0	106.1	105.0	103.4	103.4
70°	172.6	164.6	146.1	126.9	112.3	102.8	96.2	92.1	91.0	90.2	90.1
72.5°	147.8	140.7	124.7	109.3	96.1	87.8	82.4	79.9	78.2	77.8	77.7
75°	111.0	107.2	94.3	82.2	73.1	67.4	63.7	61.4	60.2	59.9	60.2
77.5°	78.9	75.5	67.4	58.8	53.1	48.7	45.6	44.8	43.4	43.4	43.2
80°	59.3	57.1	51.9	45.1	40.4	36.6	35.0	33.6	33.2	32.5	33.2
82.5°	43.0	40.6	37.1	32.7	28.8	26.7	25.0	24.5	24.3	24.0	24.1
85°	21.2	21.4	19.4	16.1	14.4	13.2	12.1	12.1	11.9	11.8	11.9
87.5°	8.6	8.1	7.2	6.6	5.6	4.9	4.5	4.5	4.3	4.3	4.6
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: P333125-940

CATALOG NUMBER: S125DIP-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: P333125-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	477.1	475.2	473.8	470.5	468.6	466.2	464.2	466.4	464.0	465.0	463.5
5°	462.2	456.4	452.3	446.3	441.1	436.4	432.9	432.3	430.6	429.8	427.3
7.5°	444.3	437.0	430.0	422.1	415.5	408.8	404.6	401.0	398.7	395.6	393.4
10°	433.7	424.0	415.8	406.4	398.1	390.8	385.1	382.2	379.5	375.6	374.2
12.5°	420.7	410.7	400.6	390.5	382.5	374.5	369.6	365.2	363.4	359.0	358.6
15°	405.1	390.0	380.1	369.9	358.9	352.3	348.2	343.5	341.4	338.3	336.1
17.5°	386.5	373.0	360.7	350.0	340.6	335.1	329.9	326.7	323.2	321.1	317.4
20°	372.9	360.2	347.8	336.4	329.2	322.9	318.8	315.7	311.9	310.9	307.2
22.5°	361.6	347.5	335.6	326.1	318.3	311.0	306.6	304.4	301.9	298.7	298.0
25°	343.0	328.4	318.3	308.9	301.8	295.2	292.2	289.5	287.0	284.7	283.9
27.5°	327.1	314.0	302.0	293.5	287.3	281.3	278.7	275.4	273.6	271.7	269.5
30°	315.8	302.5	291.9	283.7	277.1	271.8	268.9	266.6	265.0	263.3	262.1
32.5°	304.3	291.9	281.8	273.7	267.1	263.1	260.5	258.9	257.1	255.1	253.5
35°	289.1	275.4	265.6	258.6	253.4	250.3	247.4	246.0	244.0	244.0	242.3
37.5°	271.9	260.1	251.4	245.0	240.4	237.6	234.5	233.5	232.2	231.3	230.8
40°	261.7	250.7	242.5	236.1	231.2	228.9	226.4	224.8	224.0	222.9	222.6
42.5°	251.1	240.7	232.8	226.9	222.6	220.7	218.4	217.2	215.5	214.2	213.9
45°	235.1	225.0	217.8	213.0	209.4	207.1	205.6	203.1	202.3	200.7	200.5
47.5°	219.9	210.2	203.1	199.2	196.0	194.1	191.9	189.4	188.4	187.6	187.5
50°	208.5	199.7	193.1	189.4	186.3	183.6	181.3	179.7	179.1	179.1	179.5
52.5°	197.0	189.4	183.9	179.3	176.4	173.5	171.4	170.4	169.5	170.5	171.2
55°	180.1	172.5	168.4	164.0	161.1	157.8	156.8	156.4	155.8	157.4	158.3
57.5°	162.2	156.9	152.0	147.8	145.2	143.2	141.9	141.6	142.8	143.6	146.2
60°	150.8	144.6	140.4	137.1	133.9	132.7	132.2	131.9	132.7	134.9	138.5
62.5°	138.3	133.3	128.6	126.2	123.9	121.8	121.7	122.0	123.6	126.3	129.7
65°	119.9	115.6	112.5	109.6	107.7	106.6	106.9	107.7	109.6	113.2	117.0
67.5°	101.2	98.3	95.5	93.2	91.4	91.4	91.8	93.1	95.2	99.2	102.8
70°	89.3	86.0	83.6	82.7	81.1	80.3	81.6	83.6	85.5	89.3	92.3
72.5°	77.2	74.4	72.6	71.9	71.2	70.6	71.1	73.3	75.8	79.5	83.1
75°	59.3	58.3	57.1	56.3	55.6	56.1	56.4	58.5	60.5	64.5	68.6
77.5°	43.3	42.3	41.5	41.3	40.9	41.2	42.4	43.9	45.8	48.7	51.8
80°	32.7	32.4	31.9	31.7	31.7	31.9	33.6	34.6	36.5	39.1	41.6
82.5°	23.9	23.6	23.5	23.5	23.6	23.7	24.7	26.0	27.6	29.6	31.7
85°	12.6	12.1	12.8	13.0	12.6	13.2	13.6	14.4	15.1	16.1	17.1
87.5°	4.9	5.4	5.4	5.8	5.9	6.4	6.3	7.1	7.6	8.0	7.9
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: P333125-940

CATALOG NUMBER: S125DIP-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: P333125-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	462.5	463.7	462.7	464.0	462.7	463.7	462.5	463.5	465.0	464.0	466.4
5°	426.3	424.5	425.7	424.9	425.7	424.5	426.3	427.3	429.8	430.6	432.3
7.5°	392.9	391.1	389.1	388.1	389.1	391.1	392.9	393.4	395.6	398.7	401.0
10°	371.9	369.6	369.4	368.0	369.4	369.6	371.9	374.2	375.6	379.5	382.2
12.5°	356.6	354.5	352.1	351.5	352.1	354.5	356.6	358.6	359.0	363.4	365.2
15°	334.8	333.1	331.7	333.0	331.7	333.1	334.8	336.1	338.3	341.4	343.5
17.5°	316.7	315.4	315.1	313.6	315.1	315.4	316.7	317.4	321.1	323.2	326.7
20°	305.3	304.3	304.8	302.0	304.8	304.3	305.3	307.2	310.9	311.9	315.7
22.5°	296.3	294.3	294.0	293.5	294.0	294.3	296.3	298.0	298.7	301.9	304.4
25°	282.0	281.1	280.0	281.1	280.0	281.1	282.0	283.9	284.7	287.0	289.5
27.5°	269.7	268.4	268.1	268.3	268.1	268.4	269.7	269.5	271.7	273.6	275.4
30°	262.1	260.0	260.2	260.0	260.2	260.0	262.1	262.1	263.3	265.0	266.6
32.5°	253.9	252.4	252.2	251.8	252.2	252.4	253.9	253.5	255.1	257.1	258.9
35°	241.7	241.7	240.7	240.7	240.7	241.7	241.7	242.3	244.0	244.0	246.0
37.5°	230.2	230.1	229.4	229.5	229.4	230.1	230.2	230.8	231.3	232.2	233.5
40°	221.7	221.5	220.9	219.6	220.9	221.5	221.7	222.6	222.9	224.0	224.8
42.5°	213.5	212.8	212.5	212.0	212.5	212.8	213.5	213.9	214.2	215.5	217.2
45°	200.5	200.5	200.1	199.8	200.1	200.5	200.5	200.5	200.7	202.3	203.1
47.5°	187.9	188.2	189.0	188.9	189.0	188.2	187.9	187.5	187.6	188.4	189.4
50°	180.3	180.5	181.1	181.3	181.1	180.5	180.3	179.5	179.1	179.1	179.7
52.5°	171.9	173.1	173.9	173.7	173.9	173.1	171.9	171.2	170.5	169.5	170.4
55°	160.1	161.6	163.0	163.2	163.0	161.6	160.1	158.3	157.4	155.8	156.4
57.5°	148.5	150.4	151.9	152.5	151.9	150.4	148.5	146.2	143.6	142.8	141.6
60°	140.5	143.2	145.1	145.9	145.1	143.2	140.5	138.5	134.9	132.7	131.9
62.5°	133.0	136.0	137.8	137.9	137.8	136.0	133.0	129.7	126.3	123.6	122.0
65°	120.6	123.6	125.3	126.5	125.3	123.6	120.6	117.0	113.2	109.6	107.7
67.5°	107.2	110.3	112.1	113.1	112.1	110.3	107.2	102.8	99.2	95.2	93.1
70°	97.5	100.6	103.0	103.9	103.0	100.6	97.5	92.3	89.3	85.5	83.6
72.5°	87.9	90.7	92.6	93.6	92.6	90.7	87.9	83.1	79.5	75.8	73.3
75°	71.2	75.0	76.9	77.8	76.9	75.0	71.2	68.6	64.5	60.5	58.5
77.5°	54.9	58.3	59.5	60.0	59.5	58.3	54.9	51.8	48.7	45.8	43.9
80°	44.1	46.2	47.6	47.8	47.6	46.2	44.1	41.6	39.1	36.5	34.6
82.5°	33.9	35.6	36.0	36.6	36.0	35.6	33.9	31.7	29.6	27.6	26.0
85°	18.5	19.4	19.6	19.4	19.6	19.4	18.5	17.1	16.1	15.1	14.4
87.5°	8.3	8.2	8.3	8.7	8.3	8.2	8.3	7.9	8.0	7.6	7.1
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: P333125-940

CATALOG NUMBER: S125DIP-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: P333125-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	464.2	466.2	468.6	470.5	473.8	475.2	477.1	478.5	481.2	483.7	486.6
5°	432.9	436.4	441.1	446.3	452.3	456.4	462.2	465.7	472.7	479.0	485.3
7.5°	404.6	408.8	415.5	422.1	430.0	437.0	444.3	452.3	461.2	471.8	480.5
10°	385.1	390.8	398.1	406.4	415.8	424.0	433.7	442.4	453.3	465.7	477.2
12.5°	369.6	374.5	382.5	390.5	400.6	410.7	420.7	432.1	444.9	458.6	473.1
15°	348.2	352.3	358.9	369.9	380.1	390.0	405.1	415.8	431.9	447.1	464.7
17.5°	329.9	335.1	340.6	350.0	360.7	373.0	386.5	399.9	415.4	434.7	454.4
20°	318.8	322.9	329.2	336.4	347.8	360.2	372.9	386.6	405.5	425.5	446.7
22.5°	306.6	311.0	318.3	326.1	335.6	347.5	361.6	376.5	396.3	415.9	439.0
25°	292.2	295.2	301.8	308.9	318.3	328.4	343.0	359.5	379.2	401.6	425.1
27.5°	278.7	281.3	287.3	293.5	302.0	314.0	327.1	343.8	362.2	385.0	411.0
30°	268.9	271.8	277.1	283.7	291.9	302.5	315.8	331.5	351.3	373.5	400.7
32.5°	260.5	263.1	267.1	273.7	281.8	291.9	304.3	320.3	340.1	362.7	389.4
35°	247.4	250.3	253.4	258.6	265.6	275.4	289.1	304.2	323.1	344.9	369.4
37.5°	234.5	237.6	240.4	245.0	251.4	260.1	271.9	287.6	304.7	325.7	349.3
40°	226.4	228.9	231.2	236.1	242.5	250.7	261.7	275.7	293.8	313.4	333.0
42.5°	218.4	220.7	222.6	226.9	232.8	240.7	251.1	264.8	281.6	299.9	317.2
45°	205.6	207.1	209.4	213.0	217.8	225.0	235.1	247.3	261.4	278.7	291.8
47.5°	191.9	194.1	196.0	199.2	203.1	210.2	219.9	230.2	243.2	256.0	265.1
50°	181.3	183.6	186.3	189.4	193.1	199.7	208.5	219.0	230.0	239.9	247.6
52.5°	171.4	173.5	176.4	179.3	183.9	189.4	197.0	206.3	217.1	224.2	230.7
55°	156.8	157.8	161.1	164.0	168.4	172.5	180.1	188.3	194.9	200.3	205.6
57.5°	141.9	143.2	145.2	147.8	152.0	156.9	162.2	169.5	173.3	176.1	180.3
60°	132.2	132.7	133.9	137.1	140.4	144.6	150.8	156.0	158.9	161.1	164.6
62.5°	121.7	121.8	123.9	126.2	128.6	133.3	138.3	142.5	144.8	146.0	149.3
65°	106.9	106.6	107.7	109.6	112.5	115.6	119.9	123.6	123.4	124.7	126.7
67.5°	91.8	91.4	91.4	93.2	95.5	98.3	101.2	103.4	103.4	105.0	106.1
70°	81.6	80.3	81.1	82.7	83.6	86.0	89.3	90.1	90.2	91.0	92.1
72.5°	71.1	70.6	71.2	71.9	72.6	74.4	77.2	77.7	77.8	78.2	79.9
75°	56.4	56.1	55.6	56.3	57.1	58.3	59.3	60.2	59.9	60.2	61.4
77.5°	42.4	41.2	40.9	41.3	41.5	42.3	43.3	43.2	43.4	43.4	44.8
80°	33.6	31.9	31.7	31.7	31.9	32.4	32.7	33.2	32.5	33.2	33.6
82.5°	24.7	23.7	23.6	23.5	23.5	23.6	23.9	24.1	24.0	24.3	24.5
85°	13.6	13.2	12.6	13.0	12.8	12.1	12.6	11.9	11.8	11.9	12.1
87.5°	6.3	6.4	5.9	5.8	5.4	5.4	4.9	4.6	4.3	4.3	4.5
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: P333125-940

CATALOG NUMBER: S125DIP-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: P333125-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	488.1	490.4	491.9	494.6	497.0	498.3	499.4	500.4	501.6	502.6	505.4
5°	491.2	496.6	501.1	508.1	514.5	519.4	524.8	529.5	533.4	539.0	543.3
7.5°	489.8	499.4	509.3	520.2	531.3	541.5	551.1	559.9	567.9	577.7	586.2
10°	488.6	501.5	514.2	529.0	543.9	556.7	568.6	580.9	589.7	602.1	612.6
12.5°	487.6	502.8	518.3	535.8	552.3	570.4	586.3	595.2	608.7	618.6	631.1
15°	483.4	503.5	524.8	544.6	568.1	584.8	598.8	616.1	628.7	641.2	654.8
17.5°	475.9	498.8	522.5	548.5	571.0	588.9	607.0	623.7	638.6	655.5	672.4
20°	472.4	495.3	522.5	549.1	571.1	589.9	608.4	626.8	643.3	664.9	684.5
22.5°	465.2	492.8	517.9	543.9	566.5	586.9	608.0	628.7	650.7	675.1	699.6
25°	452.3	480.3	506.8	532.4	555.3	580.9	603.3	631.2	659.2	691.5	722.0
27.5°	438.8	465.7	490.0	514.7	541.4	570.3	599.4	631.0	667.7	708.6	751.5
30°	427.9	453.3	477.0	502.3	530.1	562.7	594.7	632.1	674.6	720.5	771.7
32.5°	415.3	438.6	461.6	488.5	518.8	553.1	590.4	631.5	682.5	734.7	787.3
35°	393.5	413.1	436.8	465.5	499.6	539.0	582.1	630.7	689.2	749.2	793.4
37.5°	367.8	386.0	411.0	442.4	478.2	520.5	571.6	629.3	691.4	739.2	753.5
40°	350.4	367.4	393.3	425.9	462.5	507.3	563.3	624.3	684.5	715.0	703.2
42.5°	332.0	349.7	375.1	407.2	446.7	495.4	552.9	613.9	664.4	675.9	635.3
45°	302.9	321.2	346.2	378.7	421.2	473.9	533.9	589.3	618.3	597.5	534.7
47.5°	275.8	293.0	316.1	349.7	393.5	448.1	505.8	550.0	552.3	502.7	435.5
50°	257.3	273.2	296.5	330.1	373.5	428.8	480.9	515.8	500.1	443.8	379.3
52.5°	239.2	254.8	277.7	310.9	353.9	404.6	453.1	477.5	448.0	390.2	335.2
55°	213.0	226.7	249.1	279.8	320.6	367.6	408.8	417.2	378.9	322.1	277.3
57.5°	187.5	200.2	220.6	248.9	286.2	327.8	360.1	358.2	317.7	268.9	233.4
60°	170.2	182.5	200.7	228.3	262.3	298.2	325.7	319.1	279.0	236.9	207.1
62.5°	154.7	165.8	182.9	207.1	238.1	271.3	293.9	284.2	244.9	208.1	184.5
65°	131.9	141.2	155.8	176.4	202.2	229.5	247.1	234.5	200.9	172.3	153.3
67.5°	110.0	117.5	129.7	146.2	168.2	190.2	200.8	188.2	161.3	140.4	126.4
70°	96.2	102.8	112.3	126.9	146.1	164.6	172.6	161.3	138.2	120.3	110.2
72.5°	82.4	87.8	96.1	109.3	124.7	140.7	147.8	137.0	118.0	102.8	93.5
75°	63.7	67.4	73.1	82.2	94.3	107.2	111.0	101.6	89.4	78.1	71.9
77.5°	45.6	48.7	53.1	58.8	67.4	75.5	78.9	73.5	64.1	56.9	51.8
80°	35.0	36.6	40.4	45.1	51.9	57.1	59.3	55.8	49.2	43.9	39.9
82.5°	25.0	26.7	28.8	32.7	37.1	40.6	43.0	40.7	35.9	31.7	29.4
85°	12.1	13.2	14.4	16.1	19.4	21.4	21.2	19.8	17.9	16.3	15.1
87.5°	4.5	4.9	5.6	6.6	7.2	8.1	8.6	8.4	7.8	7.5	7.1
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: P333125-940

CATALOG NUMBER: S125DIP-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



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	507.7	509.0	511.8	510.9	512.1	512.8	513.4
5°	548.7	555.3	558.2	557.8	562.1	561.1	560.0
7.5°	595.0	601.9	605.8	610.6	613.4	613.7	616.1
10°	621.3	630.3	634.0	639.2	642.5	644.4	644.1
12.5°	641.3	648.5	656.7	659.2	663.7	666.1	665.2
15°	665.6	676.9	685.5	689.8	695.4	697.1	699.3
17.5°	687.2	702.3	712.4	725.9	730.9	734.1	732.2
20°	703.5	723.4	733.5	749.6	758.5	763.2	761.5
22.5°	722.7	744.4	763.0	776.9	790.4	796.8	798.2
25°	755.8	785.4	812.9	831.2	847.8	851.8	860.4
27.5°	792.7	827.7	857.0	876.3	887.9	892.2	895.0
30°	815.9	850.8	872.8	885.2	888.9	888.5	888.1
32.5°	827.3	849.1	853.4	849.9	841.4	834.2	826.7
35°	811.2	795.0	770.6	739.3	716.2	692.9	690.6
37.5°	729.6	677.5	637.0	591.8	565.8	549.7	538.5
40°	652.7	593.6	544.6	506.5	479.9	469.4	459.1
42.5°	569.4	512.8	469.4	437.6	417.6	405.9	397.8
45°	462.5	412.7	378.7	355.6	339.7	330.7	325.6
47.5°	379.1	342.1	313.3	296.6	285.7	278.7	278.7
50°	334.2	299.0	279.8	266.6	257.2	251.6	252.6
52.5°	294.4	268.1	251.8	240.8	233.7	230.3	230.2
55°	246.2	227.3	216.6	208.5	203.8	199.8	200.7
57.5°	210.6	194.7	187.4	180.7	177.5	175.9	173.6
60°	188.5	176.2	170.0	164.6	161.3	160.1	157.8
62.5°	168.9	159.2	153.2	148.8	145.9	145.4	143.7
65°	142.0	134.6	129.2	127.2	124.0	123.2	123.2
67.5°	117.0	111.7	107.5	105.7	104.3	104.5	103.5
70°	101.4	97.0	94.3	92.3	91.3	91.5	90.7
72.5°	88.7	83.8	81.5	80.3	78.9	79.5	79.1
75°	67.1	64.7	63.5	62.2	61.4	61.0	60.5
77.5°	49.3	47.2	46.2	45.5	45.7	44.6	45.4
80°	38.1	36.3	35.7	34.6	34.4	34.4	34.2
82.5°	27.9	26.8	26.4	25.6	25.1	25.5	25.0
85°	14.4	13.6	13.4	13.4	13.0	12.6	13.6
87.5°	7.2	6.7	6.8	6.7	6.8	6.7	6.4
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



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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)