

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: P333126-940

Luminaire Tested: **S125DIP-S375D590U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333126-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D590U940-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3263.2 lumens
Efficiency: N/A
Efficacy: 127.5 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

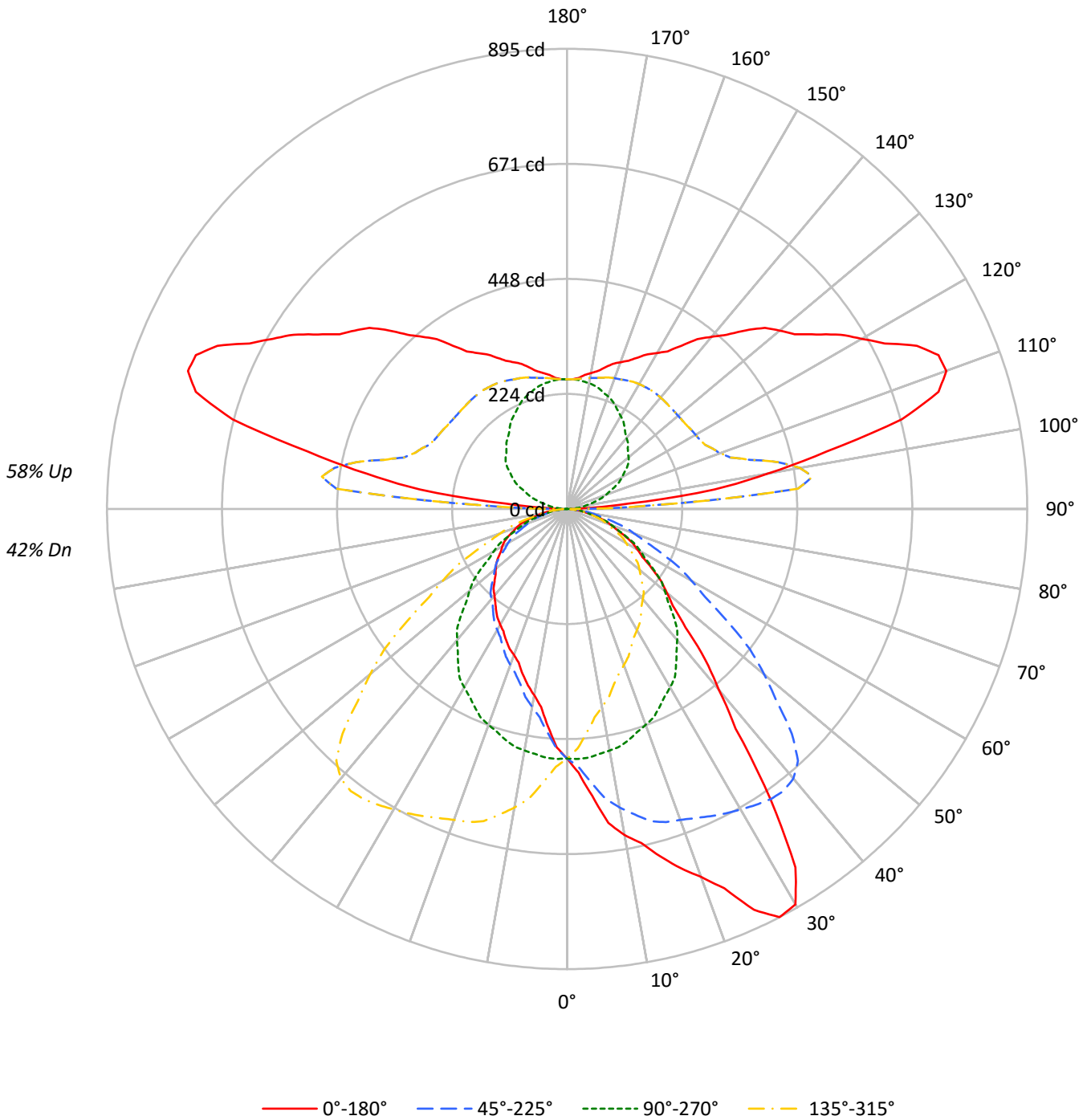
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0																			
RCR																																														
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	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	64	61	57	54	49	47	44	38	37	35	30																												
3	80	71	64	58	73	65	59	54	54	49	46	44	40	38	34	32	30	26																												
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	31	28	26	22																												
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	28	25	23	19																												
6	62	50	42	36	56	46	39	34	39	33	29	32	28	25	25	22	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	48	38	31	26	32	27	23	26	22	19	21	18	16	14																												
9	49	37	30	25	45	35	28	23	29	24	20	24	20	17	19	16	14	12																												
10	46	34	27	22	42	32	25	21	27	22	18	22	18	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	1.4
10°-20°	139.1	4.3
20°-30°	225.9	6.9
30°-40°	275.6	8.4
40°-50°	250.7	7.7
50°-60°	199.7	6.1
60°-70°	139.1	4.3
70°-80°	74.2	2.3
80°-90°	20.1	0.6
90°-100°	182.9	5.6
100°-110°	393.1	12.0
110°-120°	369.0	11.3
120°-130°	299.0	9.2
130°-140°	240.0	7.4
140°-150°	181.1	5.5
150°-160°	127.5	3.9
160°-170°	75.1	2.3
170°-180°	24.4	0.7
0°-30°	411.8	12.6
0°-40°	687.4	21.1
0°-60°	1137.8	34.9
0°-90°	1371.2	42.0
90°-120°	945.0	29.0
90°-150°	1665.0	51.0
90°-180°	1892.0	58.0
0°-180°	3263.2	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	9
95°	120	17	120	17	120	169
105°	674	58	674	58	674	670
115°	751	103	751	103	751	734
125°	592	142	592	142	592	535
135°	491	167	491	167	491	381
145°	388	194	388	194	388	246
155°	325	222	325	222	325	151
165°	285	242	285	242	285	81
175°	256	252	256	252	256	25
180°	252	252	252	252	252	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	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°	6.3	6.6	6.7	6.7	6.9	6.7	7.2	7.1	7.5	7.8	8.4
90°	11.7	11.7	11.1	11.1	11.1	10.2	9.6	9.2	8.6	8.1	7.1
92.5°	32.5	33.3	34.0	35.2	41.7	49.2	65.5	90.2	132.8	164.0	166.7
95°	119.6	127.7	131.7	147.0	183.2	225.9	288.4	365.7	441.0	450.7	367.7
97.5°	288.9	295.4	310.1	338.7	370.1	429.5	490.4	544.7	558.0	481.3	328.4
100°	396.7	404.9	423.7	460.3	495.4	548.3	600.7	625.6	586.5	459.3	293.0
102.5°	517.2	523.3	543.8	569.8	607.3	643.1	668.2	652.9	569.4	420.6	266.1
105°	674.0	680.1	690.3	707.0	723.3	728.9	706.5	636.9	514.8	368.8	240.0
107.5°	757.2	761.3	764.6	764.7	756.4	730.0	672.4	579.4	459.1	333.1	229.1
110°	784.9	784.9	781.3	771.6	748.8	705.5	633.8	537.2	427.3	316.4	225.9



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	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	8.0	7.3	6.6	5.5	4.8	4.5	4.5	4.2	4.2	4.5
90°	6.6	5.6	5.1	4.1	3.0	2.1	1.0	0.5	1.0	2.1	3.0
92.5°	116.1	69.5	41.7	26.8	18.1	11.8	7.5	6.2	7.5	11.8	18.1
95°	227.4	115.5	61.1	38.2	26.9	21.4	17.3	16.8	17.3	21.4	26.9
97.5°	181.5	99.5	63.5	47.0	36.9	31.3	28.4	27.9	28.4	31.3	36.9
100°	164.8	98.7	69.2	53.9	44.2	38.7	36.6	35.6	36.6	38.7	44.2
102.5°	157.9	102.4	76.1	61.3	52.4	46.4	44.8	44.1	44.8	46.4	52.4
105°	155.2	109.9	87.5	73.2	65.1	60.0	57.5	57.5	57.5	60.0	65.1
107.5°	159.8	121.1	99.4	86.6	78.1	73.9	71.5	70.5	71.5	73.9	78.1
110°	164.3	129.2	108.3	95.1	87.5	82.9	80.9	79.9	80.9	82.9	87.5



TEST NUMBER: P333126-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333126-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A4

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	7.9	8.0
90°	4.1	5.1	5.6	6.6	7.1	8.1	8.6	9.2	9.6	10.2	11.1
92.5°	26.8	41.7	69.5	116.1	166.7	164.0	132.8	90.2	65.5	49.2	41.7
95°	38.2	61.1	115.5	227.4	367.7	450.7	441.0	365.7	288.4	225.9	183.2
97.5°	47.0	63.5	99.5	181.5	328.4	481.3	558.0	544.7	490.4	429.5	370.1
100°	53.9	69.2	98.7	164.8	293.0	459.3	586.5	625.6	600.7	548.3	495.4
102.5°	61.3	76.1	102.4	157.9	266.1	420.6	569.4	652.9	668.2	643.1	607.3
105°	73.2	87.5	109.9	155.2	240.0	368.8	514.8	636.9	706.5	728.9	723.3
107.5°	86.6	99.4	121.1	159.8	229.1	333.1	459.1	579.4	672.4	730.0	756.4
110°	95.1	108.3	129.2	164.3	225.9	316.4	427.3	537.2	633.8	705.5	748.8



TEST NUMBER: P333126-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333126-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A4

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	8.6	8.3	8.2	8.3	8.0	7.9	7.6	7.1
90°	11.1	11.1	11.7	11.7	11.7	11.1	11.1	11.1	10.2	9.6	9.2
92.5°	35.2	34.0	33.3	32.5	33.3	34.0	35.2	41.7	49.2	65.5	90.2
95°	147.0	131.7	127.7	119.6	127.7	131.7	147.0	183.2	225.9	288.4	365.7
97.5°	338.7	310.1	295.4	288.9	295.4	310.1	338.7	370.1	429.5	490.4	544.7
100°	460.3	423.7	404.9	396.7	404.9	423.7	460.3	495.4	548.3	600.7	625.6
102.5°	569.8	543.8	523.3	517.2	523.3	543.8	569.8	607.3	643.1	668.2	652.9
105°	707.0	690.3	680.1	674.0	680.1	690.3	707.0	723.3	728.9	706.5	636.9
107.5°	764.7	764.6	761.3	757.2	761.3	764.6	764.7	756.4	730.0	672.4	579.4
110°	771.6	781.3	784.9	784.9	784.9	781.3	771.6	748.8	705.5	633.8	537.2



TEST NUMBER: P333126-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333126-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A4

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	4.5	4.2	4.2	4.5
90°	8.6	8.1	7.1	6.6	5.6	5.1	4.1	3.0	2.1	1.0	0.5
92.5°	132.8	164.0	166.7	116.1	69.5	41.7	26.8	18.1	11.8	7.5	6.2
95°	441.0	450.7	367.7	227.4	115.5	61.1	38.2	26.9	21.4	17.3	16.8
97.5°	558.0	481.3	328.4	181.5	99.5	63.5	47.0	36.9	31.3	28.4	27.9
100°	586.5	459.3	293.0	164.8	98.7	69.2	53.9	44.2	38.7	36.6	35.6
102.5°	569.4	420.6	266.1	157.9	102.4	76.1	61.3	52.4	46.4	44.8	44.1
105°	514.8	368.8	240.0	155.2	109.9	87.5	73.2	65.1	60.0	57.5	57.5
107.5°	459.1	333.1	229.1	159.8	121.1	99.4	86.6	78.1	73.9	71.5	70.5
110°	427.3	316.4	225.9	164.3	129.2	108.3	95.1	87.5	82.9	80.9	79.9



TEST NUMBER: P333126-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333126-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A4

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	4.8	5.5	6.6	7.3	8.0	8.6	8.4	7.8	7.5	7.1
90°	1.0	2.1	3.0	4.1	5.1	5.6	6.6	7.1	8.1	8.6	9.2
92.5°	7.5	11.8	18.1	26.8	41.7	69.5	116.1	166.7	164.0	132.8	90.2
95°	17.3	21.4	26.9	38.2	61.1	115.5	227.4	367.7	450.7	441.0	365.7
97.5°	28.4	31.3	36.9	47.0	63.5	99.5	181.5	328.4	481.3	558.0	544.7
100°	36.6	38.7	44.2	53.9	69.2	98.7	164.8	293.0	459.3	586.5	625.6
102.5°	44.8	46.4	52.4	61.3	76.1	102.4	157.9	266.1	420.6	569.4	652.9
105°	57.5	60.0	65.1	73.2	87.5	109.9	155.2	240.0	368.8	514.8	636.9
107.5°	71.5	73.9	78.1	86.6	99.4	121.1	159.8	229.1	333.1	459.1	579.4
110°	80.9	82.9	87.5	95.1	108.3	129.2	164.3	225.9	316.4	427.3	537.2



TEST NUMBER: P333126-940

CATALOG NUMBER: S125DIP-S375D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	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	6.9	6.7	6.7	6.6	6.3
90°	9.6	10.2	11.1	11.1	11.1	11.7	11.7
92.5°	65.5	49.2	41.7	35.2	34.0	33.3	32.5
95°	288.4	225.9	183.2	147.0	131.7	127.7	119.6
97.5°	490.4	429.5	370.1	338.7	310.1	295.4	288.9
100°	600.7	548.3	495.4	460.3	423.7	404.9	396.7
102.5°	668.2	643.1	607.3	569.8	543.8	523.3	517.2
105°	706.5	728.9	723.3	707.0	690.3	680.1	674.0
107.5°	672.4	730.0	756.4	764.7	764.6	761.3	757.2
110°	633.8	705.5	748.8	771.6	781.3	784.9	784.9



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)