

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: P333134-940

Luminaire Tested: **S125DIP-S375D810U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333134-940
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-S375D810U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3872.0 lumens
Efficiency: N/A
Efficacy: 124.1 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: Semi-Indirect

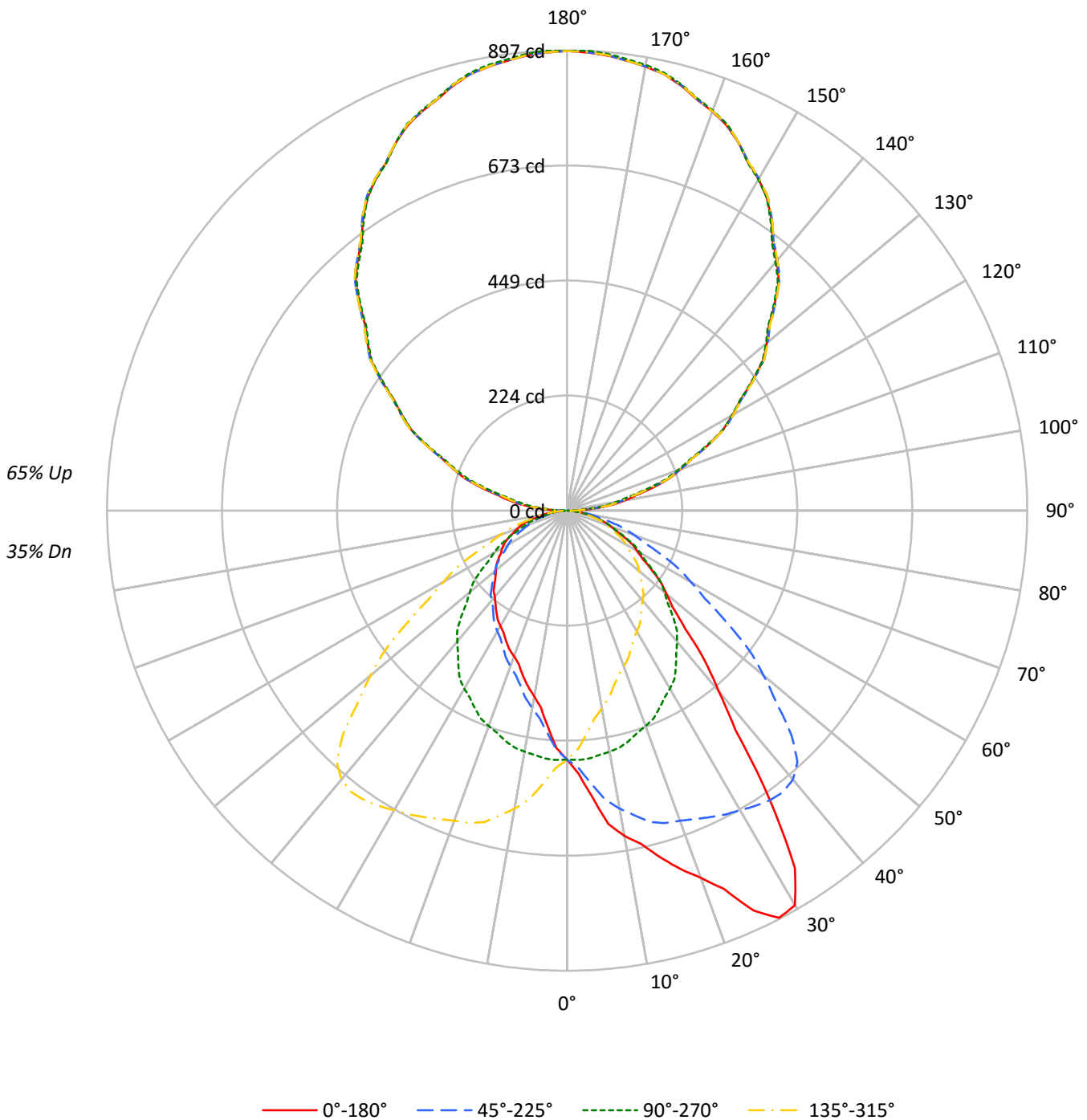
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	91	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	67	63	58	55	51	45	43	41	34	32	31	25
3	79	70	63	57	71	63	57	52	51	47	43	40	37	35	30	28	26	22
4	72	62	54	48	65	56	49	44	46	41	37	36	32	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	16
6	61	49	41	36	55	45	38	33	37	32	28	29	25	23	22	19	17	14
7	56	44	37	31	51	40	34	29	33	28	24	26	23	20	20	17	16	13
8	52	40	33	27	47	37	30	25	30	25	22	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	28	23	19	22	18	16	17	14	13	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	16	13	11	9

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	1.2
10°-20°	139.1	3.6
20°-30°	225.9	5.8
30°-40°	275.6	7.1
40°-50°	250.7	6.5
50°-60°	199.7	5.2
60°-70°	139.1	3.6
70°-80°	74.2	1.9
80°-90°	20.7	0.5
90°-100°	60.0	1.5
100°-110°	177.2	4.6
110°-120°	300.2	7.8
120°-130°	395.0	10.2
130°-140°	442.6	11.4
140°-150°	433.8	11.2
150°-160°	364.4	9.4
160°-170°	242.2	6.3
170°-180°	84.8	2.2
0°-30°	411.8	10.6
0°-40°	687.4	17.8
0°-60°	1137.8	29.4
0°-90°	1371.8	35.4
90°-120°	537.4	13.9
90°-150°	1808.9	46.7
90°-180°	2500.0	64.6
0°-180°	3872.0	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°	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	



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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°	7.3	7.6	7.6	7.5	7.6	7.5	7.9	7.8	8.1	8.5	8.9
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



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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



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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°	9.0	8.5	7.7	6.9	5.8	5.1	4.6	4.5	4.4	4.5	4.8
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: P333134-940

CATALOG NUMBER: S125DIP-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: P333134-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-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°	5.3	5.8	5.9	6.2	6.5	7.0	7.0	7.8	8.3	8.8	8.7
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: P333134-940

CATALOG NUMBER: S125DIP-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: P333134-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-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°	9.2	9.1	9.2	9.6	9.2	9.1	9.2	8.7	8.8	8.3	7.8
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: P333134-940

CATALOG NUMBER: S125DIP-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: P333134-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-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°	7.0	7.0	6.5	6.2	5.9	5.8	5.3	4.8	4.5	4.4	4.5
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: P333134-940

CATALOG NUMBER: S125DIP-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: P333134-940

CATALOG NUMBER: S125DIP-S375D810U940-4F0-1E-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°	4.6	5.1	5.8	6.9	7.7	8.5	9.0	8.9	8.5	8.1	7.8
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: P333134-940

CATALOG NUMBER: S125DIP-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



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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°	7.9	7.5	7.6	7.5	7.6	7.6	7.3
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



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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)