

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: P333124-840

Luminaire Tested: **S125DIP-S375D590U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333124-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D590U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3939.8 lumens
Efficiency: N/A
Efficacy: 153.9 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

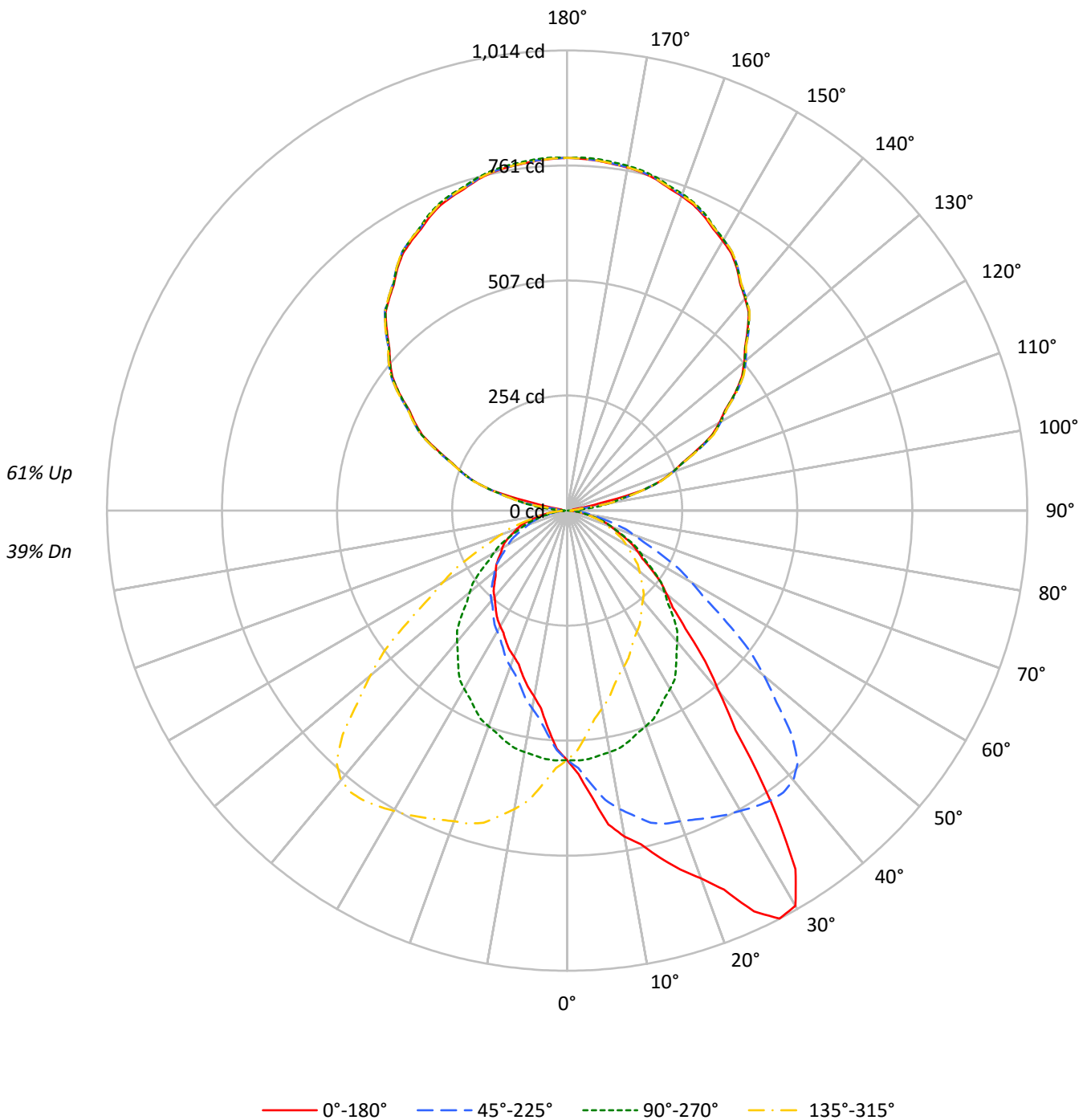
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	28
3	80	70	63	58	72	64	58	53	53	48	45	42	39	37	32	30	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	55	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18
6	61	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	34	29	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	37	31	26	31	26	22	25	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	23	20	23	19	17	18	16	14	11
10	46	34	27	22	42	31	25	21	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3551	3551	3551	3551
5°	4112	3563	3120	3563
10°	4783	3545	2733	3545
15°	5295	3518	2521	3518
20°	5927	3477	2351	3477
25°	6944	3430	2268	3430
30°	7500	3384	2196	3384
35°	6166	3299	2149	3299
40°	4383	3179	2097	3179
45°	3368	3018	2067	3018
50°	2875	2817	2063	2817
55°	2559	2622	2081	2622
60°	2308	2408	2134	2408
65°	2133	2193	2190	2193
70°	1939	1969	2221	1969
75°	1712	1737	2201	1737
80°	1443	1417	2012	1417
85°	1149	1015	1623	1015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	1.3
10°-20°	157.6	4.0
20°-30°	255.9	6.5
30°-40°	312.1	7.9
40°-50°	283.9	7.2
50°-60°	226.2	5.7
60°-70°	157.5	4.0
70°-80°	84.0	2.1
80°-90°	22.8	0.6
90°-100°	28.3	0.7
100°-110°	174.1	4.4
110°-120°	315.7	8.0
120°-130°	405.2	10.3
130°-140°	435.8	11.1
140°-150°	409.1	10.4
150°-160°	330.9	8.4
160°-170°	214.0	5.4
170°-180°	73.8	1.9
0°-30°	466.4	11.8
0°-40°	778.5	19.8
0°-60°	1288.6	32.7
0°-90°	1553.0	39.4
90°-120°	518.0	13.1
90°-150°	1768.1	44.9
90°-180°	2387.0	60.6
0°-180°	3939.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	550	550	550	550	550	
5°	634	550	481	550	634	64
15°	792	526	377	526	792	227
25°	974	481	318	481	974	445
35°	782	418	273	418	782	479
45°	369	330	226	330	369	295
55°	227	233	185	233	227	205
65°	140	144	143	144	140	138
75°	69	70	88	70	69	74
85°	16	14	22	14	16	18
90°	14	1	14	1	14	7
95°	12	33	12	33	12	10
105°	171	169	171	169	171	155
115°	316	318	316	318	316	313
125°	452	452	452	452	452	402
135°	562	564	562	564	562	434
145°	652	654	652	654	652	407
155°	715	720	715	720	715	330
165°	756	760	756	760	756	213
175°	774	777	774	777	774	74
180°	777	777	777	777	777	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	581.5	580.8	580.0	578.6	579.7	576.4	575.0	572.4	569.2	568.0	566.7
5°	634.2	635.4	636.6	631.7	632.2	628.8	621.4	615.3	610.5	604.1	599.7
7.5°	697.7	695.0	694.7	691.6	686.1	681.7	673.9	663.9	654.2	643.2	634.1
10°	729.4	729.7	727.6	723.9	718.0	713.8	703.6	693.8	681.9	667.8	657.8
12.5°	753.4	754.4	751.6	746.6	743.8	734.4	726.3	714.7	700.5	689.3	674.1
15°	791.9	789.4	787.6	781.2	776.4	766.6	753.8	741.5	726.2	712.0	697.7
17.5°	829.2	831.3	827.8	822.0	806.8	795.4	778.2	761.5	742.4	723.3	706.3
20°	862.4	864.3	859.0	848.9	830.7	819.3	796.7	775.2	753.1	728.5	709.8
22.5°	903.9	902.4	895.1	879.9	864.1	843.0	818.5	792.3	764.6	736.9	712.1
25°	974.4	964.6	960.2	941.3	920.6	889.5	856.0	817.7	783.2	746.5	714.8
27.5°	1013.6	1010.5	1005.5	992.4	970.6	937.4	897.8	851.1	802.4	756.2	714.6
30°	1005.7	1006.2	1006.6	1002.5	988.5	963.5	924.0	873.9	816.0	764.0	715.9
32.5°	936.2	944.7	952.9	962.5	966.4	961.6	937.0	891.6	832.0	773.0	715.2
35°	782.1	784.8	811.1	837.3	872.7	900.3	918.7	898.6	848.5	780.5	714.3
37.5°	609.9	622.5	640.8	670.2	721.4	767.3	826.3	853.3	837.2	783.0	712.7
40°	519.9	531.6	543.5	573.6	616.7	672.3	739.2	796.4	809.7	775.2	707.0
42.5°	450.5	459.7	472.9	495.5	531.6	580.8	644.8	719.5	765.5	752.5	695.3
45°	368.7	374.6	384.8	402.7	428.9	467.4	523.8	605.5	676.7	700.2	667.4
47.5°	315.6	315.6	323.6	335.9	354.8	387.5	429.3	493.2	569.3	625.5	622.9
50°	286.1	284.9	291.2	301.9	316.9	338.6	378.5	429.6	502.6	566.3	584.1
52.5°	260.6	260.8	264.7	272.7	285.2	303.7	333.5	379.6	441.9	507.4	540.8
55°	227.3	226.3	230.8	236.1	245.3	257.4	278.8	314.1	364.8	429.1	472.5
57.5°	196.6	199.2	201.0	204.7	212.3	220.5	238.5	264.4	304.6	359.8	405.7
60°	178.7	181.3	182.7	186.4	192.5	199.5	213.5	234.5	268.3	316.0	361.4
62.5°	162.7	164.7	165.2	168.5	173.5	180.3	191.3	208.9	235.7	277.3	321.8
65°	139.6	139.6	140.5	144.0	146.3	152.4	160.8	173.6	195.1	227.5	265.6
67.5°	117.2	118.4	118.2	119.7	121.8	126.5	132.5	143.1	159.1	182.7	213.2
70°	102.7	103.6	103.4	104.5	106.8	109.9	114.8	124.8	136.2	156.5	182.7
72.5°	89.6	90.0	89.4	90.9	92.3	94.9	100.5	105.8	116.4	133.6	155.1
75°	68.6	69.1	69.6	70.5	71.9	73.3	76.0	81.4	88.5	101.3	115.0
77.5°	51.4	50.5	51.7	51.5	52.3	53.4	55.8	58.7	64.4	72.6	83.2
80°	38.8	39.0	39.0	39.2	40.4	41.1	43.1	45.2	49.7	55.7	63.2
82.5°	28.3	28.9	28.5	29.0	29.9	30.4	31.6	33.3	35.9	40.7	46.0
85°	15.5	14.2	14.7	15.1	15.1	15.5	16.4	17.1	18.5	20.3	22.4
87.5°	7.3	7.6	7.7	7.6	7.7	7.6	8.2	8.1	8.5	9.0	9.5
90°	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5	9.9	9.2	8.3
92.5°	12.9	12.7	12.5	12.3	12.2	11.8	11.1	10.5	9.9	9.2	8.4
95°	12.1	12.1	12.1	12.1	12.1	11.8	11.1	10.5	9.9	9.2	14.0
97.5°	12.1	12.1	12.1	12.1	12.1	13.9	17.5	21.1	24.7	28.4	38.0
100°	12.1	12.6	13.1	13.6	14.1	23.9	43.0	62.1	81.2	100.3	99.8
102.5°	72.5	81.2	89.9	98.6	107.3	113.5	117.0	120.7	124.3	127.9	127.6
105°	171.1	171.3	171.4	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	215.7	216.1	216.5	216.9	217.2	217.4	217.4	217.4	217.3	217.3	217.1
110°	246.6	246.5	246.3	246.2	246.1	246.2	246.6	247.0	247.4	247.7	247.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	274.3	274.5	274.6	274.8	275.0	275.3	275.8	276.3	276.8	277.2	277.1
115°	315.8	316.5	317.3	318.0	318.8	319.4	319.9	320.4	321.0	321.5	321.3
117.5°	360.0	360.3	360.6	361.0	361.3	361.8	362.4	363.1	363.9	364.5	364.0
120°	387.2	387.8	388.5	389.1	389.7	390.2	390.4	390.7	390.9	391.2	390.8
122.5°	413.0	413.7	414.4	415.3	416.0	416.5	416.8	417.0	417.3	417.5	417.3
125°	452.3	452.7	453.0	453.4	453.8	454.2	454.7	455.3	455.9	456.4	456.4
127.5°	485.3	486.4	487.3	488.2	489.2	489.8	490.1	490.3	490.6	490.9	491.0
130°	509.4	510.0	510.6	511.3	511.9	512.4	512.8	513.2	513.5	513.9	513.8
132.5°	531.5	532.1	532.7	533.4	534.0	534.4	534.4	534.5	534.6	534.7	534.9
135°	561.8	562.5	563.3	564.1	564.8	565.3	565.6	565.8	566.1	566.3	566.6
137.5°	592.2	592.9	593.5	594.2	594.8	595.1	595.1	595.0	595.0	594.9	595.2
140°	610.2	611.0	611.7	612.5	613.2	613.5	613.2	613.0	612.7	612.5	612.6
142.5°	627.2	627.9	628.7	629.5	630.3	630.7	630.6	630.6	630.5	630.5	630.3
145°	652.2	653.0	653.8	654.5	655.3	655.6	655.5	655.4	655.2	655.1	655.1
147.5°	672.9	673.8	674.7	675.6	676.5	676.9	676.8	676.6	676.5	676.3	676.1
150°	686.2	687.2	688.2	689.3	690.3	690.6	690.4	690.1	689.9	689.6	689.4
152.5°	698.6	699.5	700.5	701.5	702.4	702.7	702.5	702.2	702.0	701.7	701.4
155°	715.0	716.1	717.1	718.1	719.1	719.4	719.0	718.7	718.3	717.9	717.6
157.5°	728.7	729.7	730.7	731.8	732.9	733.2	732.8	732.4	732.0	731.5	731.4
160°	737.5	738.5	739.5	740.5	741.5	741.8	741.3	740.8	740.3	739.8	739.6
162.5°	745.3	746.5	747.6	748.7	749.8	750.0	749.3	748.6	747.9	747.2	747.0
165°	755.9	757.0	758.0	759.0	760.0	760.1	759.4	758.6	757.8	757.1	757.0
167.5°	763.3	764.5	765.6	766.8	767.9	768.0	767.1	766.2	765.3	764.4	764.2
170°	767.5	768.6	769.7	770.9	772.0	772.1	771.1	770.1	769.0	768.0	767.9
172.5°	770.2	771.3	772.5	773.7	774.9	775.0	774.1	773.1	772.1	771.2	771.0
175°	773.8	775.0	776.1	777.3	778.4	778.5	777.4	776.4	775.4	774.4	774.3
177.5°	775.9	776.7	777.5	778.3	779.1	779.2	778.5	777.8	777.1	776.3	776.2
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	565.6	564.3	562.8	560.2	557.0	555.3	552.8	551.1	547.8	544.9	541.9
5°	594.3	588.2	582.7	575.4	567.5	562.4	556.3	549.6	542.5	535.3	527.4
7.5°	624.1	613.3	601.7	589.2	576.8	565.5	554.7	544.2	534.3	522.3	512.2
10°	644.0	630.5	616.0	599.1	582.4	567.9	553.3	540.5	527.4	513.4	501.0
12.5°	664.0	646.0	625.5	606.8	586.9	569.5	552.2	535.7	519.4	503.8	489.4
15°	678.1	662.3	643.4	616.7	594.3	570.3	547.4	526.2	506.3	489.1	470.9
17.5°	687.4	666.9	646.6	621.2	591.8	564.9	539.0	514.6	492.3	470.4	452.9
20°	689.0	668.0	646.8	621.9	591.8	561.0	535.0	505.9	481.9	459.2	437.8
22.5°	688.5	664.7	641.6	615.9	586.5	558.2	526.8	497.2	471.0	448.8	426.4
25°	683.3	657.8	628.8	603.0	574.0	543.9	512.2	481.4	454.8	429.4	407.2
27.5°	678.8	645.9	613.1	582.9	554.9	527.4	497.0	465.4	436.0	410.2	389.3
30°	673.5	637.2	600.4	568.9	540.2	513.4	484.6	453.8	423.0	397.9	375.5
32.5°	668.6	626.4	587.5	553.2	522.8	496.8	470.3	441.0	410.7	385.2	362.7
35°	659.2	610.5	565.8	527.1	494.7	467.9	445.7	418.4	390.6	365.9	344.5
37.5°	647.3	589.5	541.6	501.0	465.4	437.2	416.6	395.6	368.9	345.1	325.7
40°	637.9	574.5	523.8	482.3	445.5	416.1	396.9	377.1	355.0	332.8	312.3
42.5°	626.2	561.1	505.9	461.2	424.7	396.1	376.0	359.2	339.6	318.9	299.9
45°	604.6	536.7	477.0	428.9	392.0	363.8	343.1	330.4	315.7	296.1	280.0
47.5°	572.8	507.5	445.7	396.1	358.0	331.8	312.4	300.2	289.9	275.4	260.7
50°	544.6	485.6	423.0	373.9	335.8	309.4	291.4	280.4	271.7	260.4	248.0
52.5°	513.1	458.2	400.8	352.1	314.5	288.5	270.9	261.3	253.9	245.9	233.7
55°	462.9	416.3	363.0	316.9	282.2	256.7	241.3	232.9	226.8	220.8	213.3
57.5°	407.8	371.2	324.2	281.9	249.8	226.7	212.4	204.2	199.4	196.3	192.0
60°	368.9	337.7	297.1	258.5	227.3	206.7	192.8	186.4	182.5	180.0	176.6
62.5°	332.9	307.2	269.6	234.5	207.1	187.7	175.2	169.1	165.3	164.0	161.4
65°	279.8	259.9	228.9	199.8	176.4	159.9	149.4	143.5	141.2	139.8	140.0
67.5°	227.4	215.4	190.5	165.6	146.9	133.1	124.6	120.2	119.0	117.1	117.1
70°	195.5	186.4	165.4	143.7	127.1	116.4	109.0	104.3	103.1	102.2	102.0
72.5°	167.3	159.4	141.2	123.8	108.9	99.5	93.3	90.5	88.6	88.1	88.0
75°	125.7	121.4	106.8	93.1	82.8	76.3	72.1	69.6	68.2	67.9	68.2
77.5°	89.4	85.5	76.3	66.6	60.1	55.1	51.6	50.7	49.2	49.2	49.0
80°	67.2	64.6	58.8	51.1	45.7	41.5	39.7	38.1	37.6	36.9	37.6
82.5°	48.7	45.9	42.0	37.1	32.6	30.2	28.3	27.8	27.5	27.2	27.3
85°	24.0	24.2	21.9	18.2	16.4	14.9	13.7	13.7	13.5	13.3	13.5
87.5°	9.7	9.2	8.2	7.5	6.4	5.6	5.2	5.2	4.8	4.8	5.3
90°	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6	1.6	2.6	3.6
92.5°	7.7	6.9	6.1	6.0	6.8	7.5	8.2	8.9	8.2	7.5	6.8
95°	19.0	23.8	28.7	31.3	31.7	32.1	32.4	32.8	32.4	32.1	31.7
97.5°	47.6	57.3	66.9	71.3	70.6	70.0	69.3	68.6	69.3	70.0	70.6
100°	99.3	98.8	98.2	97.8	97.4	96.9	96.6	96.2	96.6	96.9	97.4
102.5°	127.3	126.9	126.6	126.2	125.8	125.3	124.8	124.3	124.8	125.3	125.8
105°	171.7	171.7	171.7	171.5	171.0	170.5	169.9	169.4	169.9	170.5	171.0
107.5°	216.8	216.5	216.3	216.2	216.2	216.2	216.2	216.2	216.2	216.2	216.2
110°	247.2	247.0	246.7	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6



TEST NUMBER: P333124-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	276.9	276.8	276.6	276.4	276.1	275.8	275.5	275.2	275.5	275.8	276.1
115°	321.2	321.1	321.0	320.6	319.9	319.3	318.7	318.0	318.7	319.3	319.9
117.5°	363.6	363.0	362.5	362.3	362.3	362.3	362.3	362.4	362.3	362.3	362.3
120°	390.4	390.1	389.7	389.5	389.7	389.8	389.9	390.1	389.9	389.8	389.7
122.5°	417.2	417.0	416.8	416.5	416.0	415.5	415.0	414.4	415.0	415.5	416.0
125°	456.4	456.4	456.4	455.9	454.9	454.0	453.2	452.3	453.2	454.0	454.9
127.5°	491.1	491.1	491.2	490.9	490.3	489.7	489.0	488.4	489.0	489.7	490.3
130°	513.7	513.5	513.4	513.0	512.4	511.8	511.1	510.5	511.1	511.8	512.4
132.5°	535.2	535.5	535.8	535.5	534.8	534.1	533.3	532.6	533.3	534.1	534.8
135°	566.8	567.1	567.4	567.1	566.3	565.6	564.8	564.1	564.8	565.6	566.3
137.5°	595.4	595.6	595.9	595.6	595.0	594.3	593.7	593.0	593.7	594.3	595.0
140°	612.7	612.9	613.0	612.9	612.7	612.4	612.2	611.9	612.2	612.4	612.7
142.5°	630.1	630.0	629.8	629.5	629.4	629.2	629.1	628.9	629.1	629.2	629.4
145°	655.1	655.1	655.1	655.0	654.7	654.5	654.2	654.0	654.2	654.5	654.7
147.5°	676.0	675.8	675.7	675.6	675.7	675.7	675.8	675.8	675.8	675.7	675.7
150°	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6	689.4	689.1	688.9
152.5°	701.1	700.8	700.6	700.7	701.4	702.0	702.5	703.1	702.5	702.0	701.4
155°	717.4	717.1	716.9	717.1	717.9	718.7	719.4	720.2	719.4	718.7	717.9
157.5°	731.4	731.4	731.4	731.6	732.1	732.6	733.0	733.5	733.0	732.6	732.1
160°	739.5	739.4	739.3	739.6	740.3	741.1	741.9	742.7	741.9	741.1	740.3
162.5°	746.9	746.8	746.7	747.0	747.7	748.5	749.3	750.0	749.3	748.5	747.7
165°	756.8	756.7	756.6	756.9	757.7	758.4	759.2	759.9	759.2	758.4	757.7
167.5°	764.1	764.0	763.9	764.2	765.0	765.8	766.6	767.3	766.6	765.8	765.0
170°	767.8	767.6	767.5	767.9	768.8	769.7	770.6	771.5	770.6	769.7	768.8
172.5°	770.8	770.5	770.3	770.6	771.5	772.4	773.4	774.3	773.4	772.4	771.5
175°	774.2	774.0	773.9	774.2	775.0	775.7	776.5	777.3	776.5	775.7	775.0
177.5°	776.1	776.0	775.9	776.2	776.8	777.4	778.0	778.6	778.0	777.4	776.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333124-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	540.3	538.2	536.5	532.8	530.7	528.0	525.7	528.2	525.5	526.6	524.9
5°	523.4	516.8	512.2	505.4	499.6	494.2	490.3	489.6	487.7	486.8	483.9
7.5°	503.1	494.9	487.0	478.1	470.6	463.0	458.2	454.1	451.5	448.0	445.6
10°	491.2	480.2	470.9	460.2	450.8	442.6	436.2	432.8	429.8	425.4	423.7
12.5°	476.5	465.1	453.7	442.2	433.2	424.1	418.6	413.6	411.5	406.6	406.1
15°	458.8	441.7	430.5	418.9	406.5	399.0	394.4	389.0	386.7	383.1	380.6
17.5°	437.7	422.4	408.5	396.4	385.8	379.5	373.7	370.0	366.0	363.7	359.5
20°	422.3	407.9	393.8	381.0	372.8	365.7	361.0	357.5	353.3	352.1	347.9
22.5°	409.5	393.5	380.1	369.3	360.4	352.2	347.2	344.8	341.9	338.3	337.5
25°	388.5	371.9	360.5	349.8	341.8	334.4	330.9	327.9	325.1	322.4	321.5
27.5°	370.4	355.6	342.0	332.3	325.4	318.6	315.6	311.8	309.8	307.7	305.2
30°	357.7	342.5	330.6	321.3	313.9	307.8	304.5	301.9	300.1	298.2	296.8
32.5°	344.7	330.6	319.1	309.9	302.5	297.9	295.0	293.2	291.1	288.9	287.1
35°	327.4	311.9	300.7	292.9	287.0	283.5	280.2	278.6	276.3	276.3	274.4
37.5°	307.9	294.6	284.7	277.5	272.3	269.1	265.6	264.5	263.0	262.0	261.4
40°	296.4	284.0	274.7	267.4	261.9	259.2	256.4	254.6	253.7	252.5	252.1
42.5°	284.4	272.6	263.7	257.0	252.1	249.9	247.3	246.0	244.1	242.6	242.3
45°	266.2	254.8	246.6	241.3	237.1	234.5	232.9	230.0	229.1	227.3	227.0
47.5°	249.0	238.0	230.0	225.6	222.0	219.8	217.3	214.5	213.4	212.5	212.4
50°	236.1	226.1	218.6	214.5	211.0	207.9	205.3	203.5	202.8	202.8	203.3
52.5°	223.1	214.5	208.2	203.1	199.8	196.5	194.1	193.0	192.0	193.1	193.9
55°	204.0	195.3	190.7	185.7	182.5	178.7	177.5	177.1	176.4	178.2	179.3
57.5°	183.7	177.6	172.2	167.3	164.4	162.2	160.7	160.4	161.7	162.6	165.6
60°	170.8	163.8	159.0	155.2	151.7	150.3	149.8	149.4	150.3	152.8	156.8
62.5°	156.6	151.0	145.6	142.9	140.3	137.9	137.8	138.1	140.0	143.0	146.9
65°	135.8	130.9	127.4	124.1	122.0	120.7	121.1	122.0	124.1	128.2	132.5
67.5°	114.6	111.3	108.2	105.5	103.5	103.5	104.0	105.4	107.9	112.4	116.4
70°	101.1	97.4	94.7	93.6	91.9	91.0	92.4	94.7	96.8	101.1	104.5
72.5°	87.5	84.2	82.2	81.4	80.7	80.0	80.5	83.0	85.8	90.0	94.1
75°	67.2	66.0	64.6	63.7	63.0	63.5	63.9	66.2	68.6	73.0	77.7
77.5°	49.1	47.9	47.0	46.8	46.4	46.7	48.0	49.7	51.9	55.1	58.7
80°	37.1	36.7	36.2	36.0	36.0	36.2	38.1	39.2	41.3	44.3	47.2
82.5°	27.1	26.8	26.7	26.6	26.8	26.9	28.0	29.5	31.2	33.5	36.0
85°	14.2	13.7	14.4	14.7	14.2	14.9	15.5	16.4	17.1	18.2	19.4
87.5°	5.6	6.2	6.2	6.6	6.7	7.3	7.2	8.1	8.6	9.1	9.0
90°	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5	11.1	11.8	12.3
92.5°	6.0	6.1	6.9	7.7	8.4	9.2	9.9	10.5	11.1	11.8	12.2
95°	31.3	28.7	23.8	19.0	14.0	9.2	9.9	10.5	11.1	11.8	12.1
97.5°	71.3	66.9	57.3	47.6	38.0	28.4	24.7	21.1	17.5	13.9	12.1
100°	97.8	98.2	98.8	99.3	99.8	100.3	81.2	62.1	43.0	23.9	14.1
102.5°	126.2	126.6	126.9	127.3	127.6	127.9	124.3	120.7	117.0	113.5	107.3
105°	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	216.2	216.3	216.5	216.8	217.1	217.3	217.3	217.4	217.4	217.4	217.2
110°	246.6	246.7	247.0	247.2	247.5	247.7	247.4	247.0	246.6	246.2	246.1



TEST NUMBER: P333124-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	276.4	276.6	276.8	276.9	277.1	277.2	276.8	276.3	275.8	275.3	275.0
115°	320.6	321.0	321.1	321.2	321.3	321.5	321.0	320.4	319.9	319.4	318.8
117.5°	362.3	362.5	363.0	363.6	364.0	364.5	363.9	363.1	362.4	361.8	361.3
120°	389.5	389.7	390.1	390.4	390.8	391.2	390.9	390.7	390.4	390.2	389.7
122.5°	416.5	416.8	417.0	417.2	417.3	417.5	417.3	417.0	416.8	416.5	416.0
125°	455.9	456.4	456.4	456.4	456.4	456.4	455.9	455.3	454.7	454.2	453.8
127.5°	490.9	491.2	491.1	491.1	491.0	490.9	490.6	490.3	490.1	489.8	489.2
130°	513.0	513.4	513.5	513.7	513.8	513.9	513.5	513.2	512.8	512.4	511.9
132.5°	535.5	535.8	535.5	535.2	534.9	534.7	534.6	534.5	534.4	534.4	534.0
135°	567.1	567.4	567.1	566.8	566.6	566.3	566.1	565.8	565.6	565.3	564.8
137.5°	595.6	595.9	595.6	595.4	595.2	594.9	595.0	595.0	595.1	595.1	594.8
140°	612.9	613.0	612.9	612.7	612.6	612.5	612.7	613.0	613.2	613.5	613.2
142.5°	629.5	629.8	630.0	630.1	630.3	630.5	630.5	630.6	630.6	630.7	630.3
145°	655.0	655.1	655.1	655.1	655.1	655.1	655.2	655.4	655.5	655.6	655.3
147.5°	675.6	675.7	675.8	676.0	676.1	676.3	676.5	676.6	676.8	676.9	676.5
150°	688.6	688.6	688.9	689.1	689.4	689.6	689.9	690.1	690.4	690.6	690.3
152.5°	700.7	700.6	700.8	701.1	701.4	701.7	702.0	702.2	702.5	702.7	702.4
155°	717.1	716.9	717.1	717.4	717.6	717.9	718.3	718.7	719.0	719.4	719.1
157.5°	731.6	731.4	731.4	731.4	731.4	731.5	732.0	732.4	732.8	733.2	732.9
160°	739.6	739.3	739.4	739.5	739.6	739.8	740.3	740.8	741.3	741.8	741.5
162.5°	747.0	746.7	746.8	746.9	747.0	747.2	747.9	748.6	749.3	750.0	749.8
165°	756.9	756.6	756.7	756.8	757.0	757.1	757.8	758.6	759.4	760.1	760.0
167.5°	764.2	763.9	764.0	764.1	764.2	764.4	765.3	766.2	767.1	768.0	767.9
170°	767.9	767.5	767.6	767.8	767.9	768.0	769.0	770.1	771.1	772.1	772.0
172.5°	770.6	770.3	770.5	770.8	771.0	771.2	772.1	773.1	774.1	775.0	774.9
175°	774.2	773.9	774.0	774.2	774.3	774.4	775.4	776.4	777.4	778.5	778.4
177.5°	776.2	775.9	776.0	776.1	776.2	776.3	777.1	777.8	778.5	779.2	779.1
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333124-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	523.8	525.1	524.0	525.5	524.0	525.1	523.8	524.9	526.6	525.5	528.2
5°	482.8	480.7	482.1	481.2	482.1	480.7	482.8	483.9	486.8	487.7	489.6
7.5°	444.9	442.9	440.6	439.5	440.6	442.9	444.9	445.6	448.0	451.5	454.1
10°	421.2	418.6	418.4	416.8	418.4	418.6	421.2	423.7	425.4	429.8	432.8
12.5°	403.8	401.4	398.8	398.1	398.8	401.4	403.8	406.1	406.6	411.5	413.6
15°	379.2	377.3	375.7	377.1	375.7	377.3	379.2	380.6	383.1	386.7	389.0
17.5°	358.7	357.2	356.9	355.2	356.9	357.2	358.7	359.5	363.7	366.0	370.0
20°	345.8	344.7	345.2	342.0	345.2	344.7	345.8	347.9	352.1	353.3	357.5
22.5°	335.6	333.3	333.0	332.3	333.0	333.3	335.6	337.5	338.3	341.9	344.8
25°	319.4	318.3	317.1	318.3	317.1	318.3	319.4	321.5	322.4	325.1	327.9
27.5°	305.4	304.0	303.7	303.9	303.7	304.0	305.4	305.2	307.7	309.8	311.8
30°	296.8	294.5	294.7	294.5	294.7	294.5	296.8	296.8	298.2	300.1	301.9
32.5°	287.5	285.9	285.6	285.2	285.6	285.9	287.5	287.1	288.9	291.1	293.2
35°	273.7	273.7	272.6	272.6	272.6	273.7	273.7	274.4	276.3	276.3	278.6
37.5°	260.7	260.5	259.8	259.9	259.8	260.5	260.7	261.4	262.0	263.0	264.5
40°	251.1	250.9	250.1	248.7	250.1	250.9	251.1	252.1	252.5	253.7	254.6
42.5°	241.8	241.0	240.7	240.1	240.7	241.0	241.8	242.3	242.6	244.1	246.0
45°	227.0	227.0	226.6	226.3	226.6	227.0	227.0	227.0	227.3	229.1	230.0
47.5°	212.8	213.2	214.1	213.9	214.1	213.2	212.8	212.4	212.5	213.4	214.5
50°	204.2	204.4	205.1	205.3	205.1	204.4	204.2	203.3	202.8	202.8	203.5
52.5°	194.7	196.0	196.9	196.7	196.9	196.0	194.7	193.9	193.1	192.0	193.0
55°	181.3	183.0	184.6	184.8	184.6	183.0	181.3	179.3	178.2	176.4	177.1
57.5°	168.1	170.4	172.1	172.7	172.1	170.4	168.1	165.6	162.6	161.7	160.4
60°	159.2	162.2	164.3	165.2	164.3	162.2	159.2	156.8	152.8	150.3	149.4
62.5°	150.6	154.0	156.0	156.2	156.0	154.0	150.6	146.9	143.0	140.0	138.1
65°	136.5	140.0	141.9	143.3	141.9	140.0	136.5	132.5	128.2	124.1	122.0
67.5°	121.4	124.9	126.9	128.1	126.9	124.9	121.4	116.4	112.4	107.9	105.4
70°	110.4	113.9	116.6	117.6	116.6	113.9	110.4	104.5	101.1	96.8	94.7
72.5°	99.6	102.7	104.9	106.0	104.9	102.7	99.6	94.1	90.0	85.8	83.0
75°	80.7	84.9	87.1	88.2	87.1	84.9	80.7	77.7	73.0	68.6	66.2
77.5°	62.2	66.0	67.4	68.0	67.4	66.0	62.2	58.7	55.1	51.9	49.7
80°	49.9	52.3	53.9	54.1	53.9	52.3	49.9	47.2	44.3	41.3	39.2
82.5°	38.4	40.3	40.8	41.4	40.8	40.3	38.4	36.0	33.5	31.2	29.5
85°	21.0	21.9	22.2	21.9	22.2	21.9	21.0	19.4	18.2	17.1	16.4
87.5°	9.4	9.3	9.4	9.9	9.4	9.3	9.4	9.0	9.1	8.6	8.1
90°	12.7	13.0	13.4	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5
92.5°	12.3	12.5	12.7	12.9	12.7	12.5	12.3	12.2	11.8	11.1	10.5
95°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	11.8	11.1	10.5
97.5°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	13.9	17.5	21.1
100°	13.6	13.1	12.6	12.1	12.6	13.1	13.6	14.1	23.9	43.0	62.1
102.5°	98.6	89.9	81.2	72.5	81.2	89.9	98.6	107.3	113.5	117.0	120.7
105°	171.5	171.4	171.3	171.1	171.3	171.4	171.5	171.7	171.7	171.7	171.7
107.5°	216.9	216.5	216.1	215.7	216.1	216.5	216.9	217.2	217.4	217.4	217.4
110°	246.2	246.3	246.5	246.6	246.5	246.3	246.2	246.1	246.2	246.6	247.0



TEST NUMBER: P333124-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	274.8	274.6	274.5	274.3	274.5	274.6	274.8	275.0	275.3	275.8	276.3
115°	318.0	317.3	316.5	315.8	316.5	317.3	318.0	318.8	319.4	319.9	320.4
117.5°	361.0	360.6	360.3	360.0	360.3	360.6	361.0	361.3	361.8	362.4	363.1
120°	389.1	388.5	387.8	387.2	387.8	388.5	389.1	389.7	390.2	390.4	390.7
122.5°	415.3	414.4	413.7	413.0	413.7	414.4	415.3	416.0	416.5	416.8	417.0
125°	453.4	453.0	452.7	452.3	452.7	453.0	453.4	453.8	454.2	454.7	455.3
127.5°	488.2	487.3	486.4	485.3	486.4	487.3	488.2	489.2	489.8	490.1	490.3
130°	511.3	510.6	510.0	509.4	510.0	510.6	511.3	511.9	512.4	512.8	513.2
132.5°	533.4	532.7	532.1	531.5	532.1	532.7	533.4	534.0	534.4	534.4	534.5
135°	564.1	563.3	562.5	561.8	562.5	563.3	564.1	564.8	565.3	565.6	565.8
137.5°	594.2	593.5	592.9	592.2	592.9	593.5	594.2	594.8	595.1	595.1	595.0
140°	612.5	611.7	611.0	610.2	611.0	611.7	612.5	613.2	613.5	613.2	613.0
142.5°	629.5	628.7	627.9	627.2	627.9	628.7	629.5	630.3	630.7	630.6	630.6
145°	654.5	653.8	653.0	652.2	653.0	653.8	654.5	655.3	655.6	655.5	655.4
147.5°	675.6	674.7	673.8	672.9	673.8	674.7	675.6	676.5	676.9	676.8	676.6
150°	689.3	688.2	687.2	686.2	687.2	688.2	689.3	690.3	690.6	690.4	690.1
152.5°	701.5	700.5	699.5	698.6	699.5	700.5	701.5	702.4	702.7	702.5	702.2
155°	718.1	717.1	716.1	715.0	716.1	717.1	718.1	719.1	719.4	719.0	718.7
157.5°	731.8	730.7	729.7	728.7	729.7	730.7	731.8	732.9	733.2	732.8	732.4
160°	740.5	739.5	738.5	737.5	738.5	739.5	740.5	741.5	741.8	741.3	740.8
162.5°	748.7	747.6	746.5	745.3	746.5	747.6	748.7	749.8	750.0	749.3	748.6
165°	759.0	758.0	757.0	755.9	757.0	758.0	759.0	760.0	760.1	759.4	758.6
167.5°	766.8	765.6	764.5	763.3	764.5	765.6	766.8	767.9	768.0	767.1	766.2
170°	770.9	769.7	768.6	767.5	768.6	769.7	770.9	772.0	772.1	771.1	770.1
172.5°	773.7	772.5	771.3	770.2	771.3	772.5	773.7	774.9	775.0	774.1	773.1
175°	777.3	776.1	775.0	773.8	775.0	776.1	777.3	778.4	778.5	777.4	776.4
177.5°	778.3	777.5	776.7	775.9	776.7	777.5	778.3	779.1	779.2	778.5	777.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333124-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	525.7	528.0	530.7	532.8	536.5	538.2	540.3	541.9	544.9	547.8	551.1
5°	490.3	494.2	499.6	505.4	512.2	516.8	523.4	527.4	535.3	542.5	549.6
7.5°	458.2	463.0	470.6	478.1	487.0	494.9	503.1	512.2	522.3	534.3	544.2
10°	436.2	442.6	450.8	460.2	470.9	480.2	491.2	501.0	513.4	527.4	540.5
12.5°	418.6	424.1	433.2	442.2	453.7	465.1	476.5	489.4	503.8	519.4	535.7
15°	394.4	399.0	406.5	418.9	430.5	441.7	458.8	470.9	489.1	506.3	526.2
17.5°	373.7	379.5	385.8	396.4	408.5	422.4	437.7	452.9	470.4	492.3	514.6
20°	361.0	365.7	372.8	381.0	393.8	407.9	422.3	437.8	459.2	481.9	505.9
22.5°	347.2	352.2	360.4	369.3	380.1	393.5	409.5	426.4	448.8	471.0	497.2
25°	330.9	334.4	341.8	349.8	360.5	371.9	388.5	407.2	429.4	454.8	481.4
27.5°	315.6	318.6	325.4	332.3	342.0	355.6	370.4	389.3	410.2	436.0	465.4
30°	304.5	307.8	313.9	321.3	330.6	342.5	357.7	375.5	397.9	423.0	453.8
32.5°	295.0	297.9	302.5	309.9	319.1	330.6	344.7	362.7	385.2	410.7	441.0
35°	280.2	283.5	287.0	292.9	300.7	311.9	327.4	344.5	365.9	390.6	418.4
37.5°	265.6	269.1	272.3	277.5	284.7	294.6	307.9	325.7	345.1	368.9	395.6
40°	256.4	259.2	261.9	267.4	274.7	284.0	296.4	312.3	332.8	355.0	377.1
42.5°	247.3	249.9	252.1	257.0	263.7	272.6	284.4	299.9	318.9	339.6	359.2
45°	232.9	234.5	237.1	241.3	246.6	254.8	266.2	280.0	296.1	315.7	330.4
47.5°	217.3	219.8	222.0	225.6	230.0	238.0	249.0	260.7	275.4	289.9	300.2
50°	205.3	207.9	211.0	214.5	218.6	226.1	236.1	248.0	260.4	271.7	280.4
52.5°	194.1	196.5	199.8	203.1	208.2	214.5	223.1	233.7	245.9	253.9	261.3
55°	177.5	178.7	182.5	185.7	190.7	195.3	204.0	213.3	220.8	226.8	232.9
57.5°	160.7	162.2	164.4	167.3	172.2	177.6	183.7	192.0	196.3	199.4	204.2
60°	149.8	150.3	151.7	155.2	159.0	163.8	170.8	176.6	180.0	182.5	186.4
62.5°	137.8	137.9	140.3	142.9	145.6	151.0	156.6	161.4	164.0	165.3	169.1
65°	121.1	120.7	122.0	124.1	127.4	130.9	135.8	140.0	139.8	141.2	143.5
67.5°	104.0	103.5	103.5	105.5	108.2	111.3	114.6	117.1	117.1	119.0	120.2
70°	92.4	91.0	91.9	93.6	94.7	97.4	101.1	102.0	102.2	103.1	104.3
72.5°	80.5	80.0	80.7	81.4	82.2	84.2	87.5	88.0	88.1	88.6	90.5
75°	63.9	63.5	63.0	63.7	64.6	66.0	67.2	68.2	67.9	68.2	69.6
77.5°	48.0	46.7	46.4	46.8	47.0	47.9	49.1	49.0	49.2	49.2	50.7
80°	38.1	36.2	36.0	36.0	36.2	36.7	37.1	37.6	36.9	37.6	38.1
82.5°	28.0	26.9	26.8	26.6	26.7	26.8	27.1	27.3	27.2	27.5	27.8
85°	15.5	14.9	14.2	14.7	14.4	13.7	14.2	13.5	13.3	13.5	13.7
87.5°	7.2	7.3	6.7	6.6	6.2	6.2	5.6	5.3	4.8	4.8	5.2
90°	9.9	9.2	8.3	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6
92.5°	9.9	9.2	8.4	7.7	6.9	6.1	6.0	6.8	7.5	8.2	8.9
95°	9.9	9.2	14.0	19.0	23.8	28.7	31.3	31.7	32.1	32.4	32.8
97.5°	24.7	28.4	38.0	47.6	57.3	66.9	71.3	70.6	70.0	69.3	68.6
100°	81.2	100.3	99.8	99.3	98.8	98.2	97.8	97.4	96.9	96.6	96.2
102.5°	124.3	127.9	127.6	127.3	126.9	126.6	126.2	125.8	125.3	124.8	124.3
105°	171.7	171.7	171.7	171.7	171.7	171.7	171.5	171.0	170.5	169.9	169.4
107.5°	217.3	217.3	217.1	216.8	216.5	216.3	216.2	216.2	216.2	216.2	216.2
110°	247.4	247.7	247.5	247.2	247.0	246.7	246.6	246.6	246.6	246.6	246.6



TEST NUMBER: P333124-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	276.8	277.2	277.1	276.9	276.8	276.6	276.4	276.1	275.8	275.5	275.2
115°	321.0	321.5	321.3	321.2	321.1	321.0	320.6	319.9	319.3	318.7	318.0
117.5°	363.9	364.5	364.0	363.6	363.0	362.5	362.3	362.3	362.3	362.3	362.4
120°	390.9	391.2	390.8	390.4	390.1	389.7	389.5	389.7	389.8	389.9	390.1
122.5°	417.3	417.5	417.3	417.2	417.0	416.8	416.5	416.0	415.5	415.0	414.4
125°	455.9	456.4	456.4	456.4	456.4	456.4	455.9	454.9	454.0	453.2	452.3
127.5°	490.6	490.9	491.0	491.1	491.1	491.2	490.9	490.3	489.7	489.0	488.4
130°	513.5	513.9	513.8	513.7	513.5	513.4	513.0	512.4	511.8	511.1	510.5
132.5°	534.6	534.7	534.9	535.2	535.5	535.8	535.5	534.8	534.1	533.3	532.6
135°	566.1	566.3	566.6	566.8	567.1	567.4	567.1	566.3	565.6	564.8	564.1
137.5°	595.0	594.9	595.2	595.4	595.6	595.9	595.6	595.0	594.3	593.7	593.0
140°	612.7	612.5	612.6	612.7	612.9	613.0	612.9	612.7	612.4	612.2	611.9
142.5°	630.5	630.5	630.3	630.1	630.0	629.8	629.5	629.4	629.2	629.1	628.9
145°	655.2	655.1	655.1	655.1	655.1	655.1	655.0	654.7	654.5	654.2	654.0
147.5°	676.5	676.3	676.1	676.0	675.8	675.7	675.6	675.7	675.7	675.8	675.8
150°	689.9	689.6	689.4	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6
152.5°	702.0	701.7	701.4	701.1	700.8	700.6	700.7	701.4	702.0	702.5	703.1
155°	718.3	717.9	717.6	717.4	717.1	716.9	717.1	717.9	718.7	719.4	720.2
157.5°	732.0	731.5	731.4	731.4	731.4	731.4	731.6	732.1	732.6	733.0	733.5
160°	740.3	739.8	739.6	739.5	739.4	739.3	739.6	740.3	741.1	741.9	742.7
162.5°	747.9	747.2	747.0	746.9	746.8	746.7	747.0	747.7	748.5	749.3	750.0
165°	757.8	757.1	757.0	756.8	756.7	756.6	756.9	757.7	758.4	759.2	759.9
167.5°	765.3	764.4	764.2	764.1	764.0	763.9	764.2	765.0	765.8	766.6	767.3
170°	769.0	768.0	767.9	767.8	767.6	767.5	767.9	768.8	769.7	770.6	771.5
172.5°	772.1	771.2	771.0	770.8	770.5	770.3	770.6	771.5	772.4	773.4	774.3
175°	775.4	774.4	774.3	774.2	774.0	773.9	774.2	775.0	775.7	776.5	777.3
177.5°	777.1	776.3	776.2	776.1	776.0	775.9	776.2	776.8	777.4	778.0	778.6
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333124-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	552.8	555.3	557.0	560.2	562.8	564.3	565.6	566.7	568.0	569.2	572.4
5°	556.3	562.4	567.5	575.4	582.7	588.2	594.3	599.7	604.1	610.5	615.3
7.5°	554.7	565.5	576.8	589.2	601.7	613.3	624.1	634.1	643.2	654.2	663.9
10°	553.3	567.9	582.4	599.1	616.0	630.5	644.0	657.8	667.8	681.9	693.8
12.5°	552.2	569.5	586.9	606.8	625.5	646.0	664.0	674.1	689.3	700.5	714.7
15°	547.4	570.3	594.3	616.7	643.4	662.3	678.1	697.7	712.0	726.2	741.5
17.5°	539.0	564.9	591.8	621.2	646.6	666.9	687.4	706.3	723.3	742.4	761.5
20°	535.0	561.0	591.8	621.9	646.8	668.0	689.0	709.8	728.5	753.1	775.2
22.5°	526.8	558.2	586.5	615.9	641.6	664.7	688.5	712.1	736.9	764.6	792.3
25°	512.2	543.9	574.0	603.0	628.8	657.8	683.3	714.8	746.5	783.2	817.7
27.5°	497.0	527.4	554.9	582.9	613.1	645.9	678.8	714.6	756.2	802.4	851.1
30°	484.6	513.4	540.2	568.9	600.4	637.2	673.5	715.9	764.0	816.0	873.9
32.5°	470.3	496.8	522.8	553.2	587.5	626.4	668.6	715.2	773.0	832.0	891.6
35°	445.7	467.9	494.7	527.1	565.8	610.5	659.2	714.3	780.5	848.5	898.6
37.5°	416.6	437.2	465.4	501.0	541.6	589.5	647.3	712.7	783.0	837.2	853.3
40°	396.9	416.1	445.5	482.3	523.8	574.5	637.9	707.0	775.2	809.7	796.4
42.5°	376.0	396.1	424.7	461.2	505.9	561.1	626.2	695.3	752.5	765.5	719.5
45°	343.1	363.8	392.0	428.9	477.0	536.7	604.6	667.4	700.2	676.7	605.5
47.5°	312.4	331.8	358.0	396.1	445.7	507.5	572.8	622.9	625.5	569.3	493.2
50°	291.4	309.4	335.8	373.9	423.0	485.6	544.6	584.1	566.3	502.6	429.6
52.5°	270.9	288.5	314.5	352.1	400.8	458.2	513.1	540.8	507.4	441.9	379.6
55°	241.3	256.7	282.2	316.9	363.0	416.3	462.9	472.5	429.1	364.8	314.1
57.5°	212.4	226.7	249.8	281.9	324.2	371.2	407.8	405.7	359.8	304.6	264.4
60°	192.8	206.7	227.3	258.5	297.1	337.7	368.9	361.4	316.0	268.3	234.5
62.5°	175.2	187.7	207.1	234.5	269.6	307.2	332.9	321.8	277.3	235.7	208.9
65°	149.4	159.9	176.4	199.8	228.9	259.9	279.8	265.6	227.5	195.1	173.6
67.5°	124.6	133.1	146.9	165.6	190.5	215.4	227.4	213.2	182.7	159.1	143.1
70°	109.0	116.4	127.1	143.7	165.4	186.4	195.5	182.7	156.5	136.2	124.8
72.5°	93.3	99.5	108.9	123.8	141.2	159.4	167.3	155.1	133.6	116.4	105.8
75°	72.1	76.3	82.8	93.1	106.8	121.4	125.7	115.0	101.3	88.5	81.4
77.5°	51.6	55.1	60.1	66.6	76.3	85.5	89.4	83.2	72.6	64.4	58.7
80°	39.7	41.5	45.7	51.1	58.8	64.6	67.2	63.2	55.7	49.7	45.2
82.5°	28.3	30.2	32.6	37.1	42.0	45.9	48.7	46.0	40.7	35.9	33.3
85°	13.7	14.9	16.4	18.2	21.9	24.2	24.0	22.4	20.3	18.5	17.1
87.5°	5.2	5.6	6.4	7.5	8.2	9.2	9.7	9.5	9.0	8.5	8.1
90°	1.6	2.6	3.6	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5
92.5°	8.2	7.5	6.8	6.0	6.1	6.9	7.7	8.4	9.2	9.9	10.5
95°	32.4	32.1	31.7	31.3	28.7	23.8	19.0	14.0	9.2	9.9	10.5
97.5°	69.3	70.0	70.6	71.3	66.9	57.3	47.6	38.0	28.4	24.7	21.1
100°	96.6	96.9	97.4	97.8	98.2	98.8	99.3	99.8	100.3	81.2	62.1
102.5°	124.8	125.3	125.8	126.2	126.6	126.9	127.3	127.6	127.9	124.3	120.7
105°	169.9	170.5	171.0	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	216.2	216.2	216.2	216.2	216.3	216.5	216.8	217.1	217.3	217.3	217.4
110°	246.6	246.6	246.6	246.6	246.7	247.0	247.2	247.5	247.7	247.4	247.0



TEST NUMBER: P333124-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	275.5	275.8	276.1	276.4	276.6	276.8	276.9	277.1	277.2	276.8	276.3
115°	318.7	319.3	319.9	320.6	321.0	321.1	321.2	321.3	321.5	321.0	320.4
117.5°	362.3	362.3	362.3	362.3	362.5	363.0	363.6	364.0	364.5	363.9	363.1
120°	389.9	389.8	389.7	389.5	389.7	390.1	390.4	390.8	391.2	390.9	390.7
122.5°	415.0	415.5	416.0	416.5	416.8	417.0	417.2	417.3	417.5	417.3	417.0
125°	453.2	454.0	454.9	455.9	456.4	456.4	456.4	456.4	456.4	455.9	455.3
127.5°	489.0	489.7	490.3	490.9	491.2	491.1	491.1	491.0	490.9	490.6	490.3
130°	511.1	511.8	512.4	513.0	513.4	513.5	513.7	513.8	513.9	513.5	513.2
132.5°	533.3	534.1	534.8	535.5	535.8	535.5	535.2	534.9	534.7	534.6	534.5
135°	564.8	565.6	566.3	567.1	567.4	567.1	566.8	566.6	566.3	566.1	565.8
137.5°	593.7	594.3	595.0	595.6	595.9	595.6	595.4	595.2	594.9	595.0	595.0
140°	612.2	612.4	612.7	612.9	613.0	612.9	612.7	612.6	612.5	612.7	613.0
142.5°	629.1	629.2	629.4	629.5	629.8	630.0	630.1	630.3	630.5	630.5	630.6
145°	654.2	654.5	654.7	655.0	655.1	655.1	655.1	655.1	655.1	655.2	655.4
147.5°	675.8	675.7	675.7	675.6	675.7	675.8	676.0	676.1	676.3	676.5	676.6
150°	689.4	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6	689.9	690.1
152.5°	702.5	702.0	701.4	700.7	700.6	700.8	701.1	701.4	701.7	702.0	702.2
155°	719.4	718.7	717.9	717.1	716.9	717.1	717.4	717.6	717.9	718.3	718.7
157.5°	733.0	732.6	732.1	731.6	731.4	731.4	731.4	731.4	731.5	732.0	732.4
160°	741.9	741.1	740.3	739.6	739.3	739.4	739.5	739.6	739.8	740.3	740.8
162.5°	749.3	748.5	747.7	747.0	746.7	746.8	746.9	747.0	747.2	747.9	748.6
165°	759.2	758.4	757.7	756.9	756.6	756.7	756.8	757.0	757.1	757.8	758.6
167.5°	766.6	765.8	765.0	764.2	763.9	764.0	764.1	764.2	764.4	765.3	766.2
170°	770.6	769.7	768.8	767.9	767.5	767.6	767.8	767.9	768.0	769.0	770.1
172.5°	773.4	772.4	771.5	770.6	770.3	770.5	770.8	771.0	771.2	772.1	773.1
175°	776.5	775.7	775.0	774.2	773.9	774.0	774.2	774.3	774.4	775.4	776.4
177.5°	778.0	777.4	776.8	776.2	775.9	776.0	776.1	776.2	776.3	777.1	777.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	575.0	576.4	579.7	578.6	580.0	580.8	581.5
5°	621.4	628.8	632.2	631.7	636.6	635.4	634.2
7.5°	673.9	681.7	686.1	691.6	694.7	695.0	697.7
10°	703.6	713.8	718.0	723.9	727.6	729.7	729.4
12.5°	726.3	734.4	743.8	746.6	751.6	754.4	753.4
15°	753.8	766.6	776.4	781.2	787.6	789.4	791.9
17.5°	778.2	795.4	806.8	822.0	827.8	831.3	829.2
20°	796.7	819.3	830.7	848.9	859.0	864.3	862.4
22.5°	818.5	843.0	864.1	879.9	895.1	902.4	903.9
25°	856.0	889.5	920.6	941.3	960.2	964.6	974.4
27.5°	897.8	937.4	970.6	992.4	1005.5	1010.5	1013.6
30°	924.0	963.5	988.5	1002.5	1006.6	1006.2	1005.7
32.5°	937.0	961.6	966.4	962.5	952.9	944.7	936.2
35°	918.7	900.3	872.7	837.3	811.1	784.8	782.1
37.5°	826.3	767.3	721.4	670.2	640.8	622.5	609.9
40°	739.2	672.3	616.7	573.6	543.5	531.6	519.9
42.5°	644.8	580.8	531.6	495.5	472.9	459.7	450.5
45°	523.8	467.4	428.9	402.7	384.8	374.6	368.7
47.5°	429.3	387.5	354.8	335.9	323.6	315.6	315.6
50°	378.5	338.6	316.9	301.9	291.2	284.9	286.1
52.5°	333.5	303.7	285.2	272.7	264.7	260.8	260.6
55°	278.8	257.4	245.3	236.1	230.8	226.3	227.3
57.5°	238.5	220.5	212.3	204.7	201.0	199.2	196.6
60°	213.5	199.5	192.5	186.4	182.7	181.3	178.7
62.5°	191.3	180.3	173.5	168.5	165.2	164.7	162.7
65°	160.8	152.4	146.3	144.0	140.5	139.6	139.6
67.5°	132.5	126.5	121.8	119.7	118.2	118.4	117.2
70°	114.8	109.9	106.8	104.5	103.4	103.6	102.7
72.5°	100.5	94.9	92.3	90.9	89.4	90.0	89.6
75°	76.0	73.3	71.9	70.5	69.6	69.1	68.6
77.5°	55.8	53.4	52.3	51.5	51.7	50.5	51.4
80°	43.1	41.1	40.4	39.2	39.0	39.0	38.8
82.5°	31.6	30.4	29.9	29.0	28.5	28.9	28.3
85°	16.4	15.5	15.1	15.1	14.7	14.2	15.5
87.5°	8.2	7.6	7.7	7.6	7.7	7.6	7.3
90°	11.1	11.8	12.3	12.7	13.0	13.4	13.8
92.5°	11.1	11.8	12.2	12.3	12.5	12.7	12.9
95°	11.1	11.8	12.1	12.1	12.1	12.1	12.1
97.5°	17.5	13.9	12.1	12.1	12.1	12.1	12.1
100°	43.0	23.9	14.1	13.6	13.1	12.6	12.1
102.5°	117.0	113.5	107.3	98.6	89.9	81.2	72.5
105°	171.7	171.7	171.7	171.5	171.4	171.3	171.1
107.5°	217.4	217.4	217.2	216.9	216.5	216.1	215.7
110°	246.6	246.2	246.1	246.2	246.3	246.5	246.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	275.8	275.3	275.0	274.8	274.6	274.5	274.3
115°	319.9	319.4	318.8	318.0	317.3	316.5	315.8
117.5°	362.4	361.8	361.3	361.0	360.6	360.3	360.0
120°	390.4	390.2	389.7	389.1	388.5	387.8	387.2
122.5°	416.8	416.5	416.0	415.3	414.4	413.7	413.0
125°	454.7	454.2	453.8	453.4	453.0	452.7	452.3
127.5°	490.1	489.8	489.2	488.2	487.3	486.4	485.3
130°	512.8	512.4	511.9	511.3	510.6	510.0	509.4
132.5°	534.4	534.4	534.0	533.4	532.7	532.1	531.5
135°	565.6	565.3	564.8	564.1	563.3	562.5	561.8
137.5°	595.1	595.1	594.8	594.2	593.5	592.9	592.2
140°	613.2	613.5	613.2	612.5	611.7	611.0	610.2
142.5°	630.6	630.7	630.3	629.5	628.7	627.9	627.2
145°	655.5	655.6	655.3	654.5	653.8	653.0	652.2
147.5°	676.8	676.9	676.5	675.6	674.7	673.8	672.9
150°	690.4	690.6	690.3	689.3	688.2	687.2	686.2
152.5°	702.5	702.7	702.4	701.5	700.5	699.5	698.6
155°	719.0	719.4	719.1	718.1	717.1	716.1	715.0
157.5°	732.8	733.2	732.9	731.8	730.7	729.7	728.7
160°	741.3	741.8	741.5	740.5	739.5	738.5	737.5
162.5°	749.3	750.0	749.8	748.7	747.6	746.5	745.3
165°	759.4	760.1	760.0	759.0	758.0	757.0	755.9
167.5°	767.1	768.0	767.9	766.8	765.6	764.5	763.3
170°	771.1	772.1	772.0	770.9	769.7	768.6	767.5
172.5°	774.1	775.0	774.9	773.7	772.5	771.3	770.2
175°	777.4	778.5	778.4	777.3	776.1	775.0	773.8
177.5°	778.5	779.2	779.1	778.3	777.5	776.7	775.9
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3

(END OF REPORT)