

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: P331884-927

Luminaire Tested: **S123DIP-S340D805U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331884-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIP-S340D805U927-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3336.5 lumens  
Efficiency: N/A  
Efficacy: 106.9 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Indirect

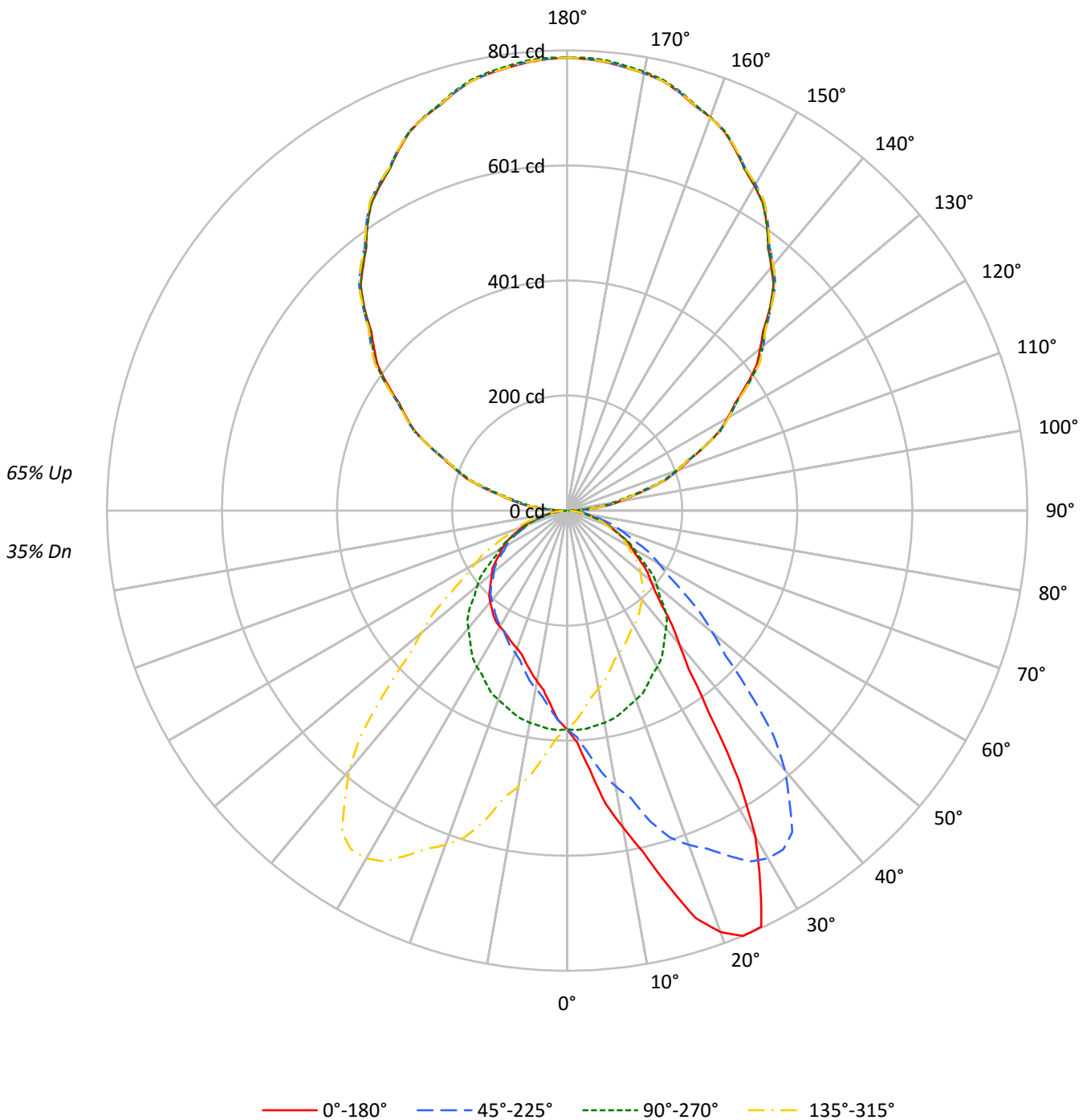
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	48	37	36	36	29
2	86	79	73	68	78	72	67	62	58	54	51	45	43	41	33	32	30	25
3	79	70	63	57	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	62	54	48	65	56	49	44	45	41	37	35	32	30	26	24	22	18
5	66	55	47	41	59	50	43	38	41	36	32	32	28	26	24	21	20	16
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	22	19	17	14
7	56	44	37	31	51	40	34	29	33	28	24	26	22	20	20	17	15	13
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	4100	4100	4100	4100
5°	4889	4118	3649	4118
10°	6120	4098	3296	4098
15°	7506	4063	3069	4063
20°	8942	4013	2922	4013
25°	9495	3950	2888	3950
30°	8139	3904	2903	3904
35°	5660	3840	2934	3840
40°	4263	3763	2925	3763
45°	3539	3649	2888	3649
50°	3170	3418	2862	3418
55°	2965	3170	2826	3170
60°	2781	2908	2796	2908
65°	2613	2651	2707	2651
70°	2452	2357	2578	2357
75°	2196	2067	2366	2067
80°	1922	1692	2039	1692
85°	1507	1235	1371	1235



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.5	1.1
10°-20°	120.3	3.6
20°-30°	201.9	6.1
30°-40°	228.6	6.9
40°-50°	205.0	6.1
50°-60°	165.5	5.0
60°-70°	115.3	3.5
70°-80°	60.6	1.8
80°-90°	17.1	0.5
90°-100°	51.4	1.5
100°-110°	153.7	4.6
110°-120°	261.5	7.8
120°-130°	343.9	10.3
130°-140°	386.6	11.6
140°-150°	380.0	11.4
150°-160°	319.9	9.6
160°-170°	212.9	6.4
170°-180°	74.6	2.2
0°-30°	359.8	10.8
0°-40°	588.4	17.6
0°-60°	958.9	28.7
0°-90°	1152.0	34.5
90°-120°	466.6	14.0
90°-150°	1577.1	47.3
90°-180°	2185.0	65.5
0°-180°	3336.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	381	381	381	381	381	
5°	452	381	338	381	452	47
15°	674	365	275	365	674	194
25°	800	333	243	333	800	351
35°	431	292	223	292	431	280
45°	232	240	190	240	232	184
55°	158	169	151	169	158	142
65°	103	104	106	104	103	102
75°	53	50	57	50	53	56
85°	12	10	11	10	12	15
90°	19	1	19	1	19	10
95°	48	36	48	36	48	50
105°	147	139	147	139	147	156
115°	264	263	264	263	264	261
125°	381	385	381	385	381	341
135°	499	500	499	500	499	384
145°	606	606	606	606	606	378
155°	693	694	693	694	693	319
165°	754	756	754	756	754	213
175°	784	787	784	787	784	74
180°	788	788	788	788	788	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	404.3	403.9	403.2	403.8	402.6	401.0	400.8	399.3	395.1	394.8	393.6
5°	452.5	451.1	450.8	450.7	448.1	444.6	437.9	437.4	428.5	424.1	418.7
7.5°	515.1	515.8	513.1	510.8	502.9	497.6	490.5	481.4	470.6	459.5	452.2
10°	559.9	566.0	558.5	553.3	548.5	539.5	528.9	515.8	502.7	487.4	475.8
12.5°	608.1	611.0	609.5	604.7	597.2	583.4	564.8	550.3	538.3	512.8	502.5
15°	673.6	684.8	677.6	661.1	661.4	648.3	624.0	597.2	583.0	560.6	530.2
17.5°	743.5	744.8	741.8	727.9	718.7	700.7	678.2	652.6	623.8	596.8	564.4
20°	780.6	779.5	773.1	765.9	750.0	736.0	711.5	682.9	645.9	619.3	584.1
22.5°	801.3	799.5	796.4	790.4	777.2	762.2	740.1	708.8	673.7	637.1	596.4
25°	799.5	801.8	802.2	800.6	796.0	787.0	769.6	744.7	709.6	662.5	620.1
27.5°	727.1	730.6	740.4	749.2	758.9	768.9	767.5	755.2	729.2	688.6	636.7
30°	654.8	647.4	665.7	688.7	704.4	732.1	747.6	748.5	734.0	699.1	648.5
32.5°	554.4	562.5	570.6	599.0	633.3	664.3	695.2	720.0	722.9	699.7	655.5
35°	430.7	440.9	455.7	470.4	507.3	539.1	593.3	640.6	678.2	683.2	656.1
37.5°	347.1	352.1	361.5	376.3	400.4	438.1	480.0	539.7	594.3	634.9	636.6
40°	303.4	304.9	315.4	326.6	346.2	377.2	415.0	467.9	533.1	589.9	613.5
42.5°	270.6	273.9	278.4	289.1	304.8	328.0	363.2	406.9	466.8	532.0	578.1
45°	232.5	236.2	239.0	246.2	257.3	273.0	297.5	337.4	382.9	450.3	512.5
47.5°	207.4	207.6	209.7	215.2	222.7	234.5	251.8	277.4	319.2	373.9	437.8
50°	189.3	192.3	193.1	197.3	203.2	211.8	226.2	248.0	282.3	330.3	389.0
52.5°	176.7	177.5	179.6	182.7	187.8	194.6	207.1	224.1	251.0	292.0	345.9
55°	158.0	158.0	160.0	162.4	165.3	171.4	179.7	192.3	212.8	244.5	289.2
57.5°	140.7	141.6	143.1	143.8	146.3	150.4	157.2	166.8	182.0	206.5	242.0
60°	129.2	130.9	130.6	132.1	134.4	137.5	143.4	151.1	164.8	184.3	214.3
62.5°	119.1	119.1	119.0	120.8	122.9	126.0	129.8	136.5	148.1	165.5	190.9
65°	102.6	102.3	103.5	104.6	105.4	107.6	110.5	116.5	124.2	137.1	156.9
67.5°	87.9	86.8	87.5	87.9	89.2	90.9	93.7	97.4	103.5	113.8	128.7
70°	77.9	76.9	76.8	77.2	78.3	79.5	81.6	85.1	90.8	99.1	110.0
72.5°	67.6	66.9	66.9	67.7	68.2	69.1	70.5	73.7	78.3	84.5	94.7
75°	52.8	52.8	52.8	53.0	53.6	54.3	55.4	57.0	60.5	65.0	71.8
77.5°	39.5	39.5	39.3	39.3	40.1	40.4	40.6	42.2	44.2	47.1	52.1
80°	31.0	30.1	30.4	31.0	31.4	31.5	32.1	32.5	34.1	35.8	39.3
82.5°	23.1	22.3	22.3	23.2	23.3	23.4	24.0	24.5	25.1	26.6	28.5
85°	12.2	12.2	12.4	12.4	12.5	12.4	12.9	13.1	13.1	14.0	15.1
87.5°	8.2	7.8	7.9	8.0	7.8	7.8	7.8	7.9	7.9	8.0	7.8
90°	18.6	18.3	18.1	17.7	17.5	17.0	16.5	16.0	15.4	14.9	13.1
92.5°	25.0	25.2	25.3	25.5	25.7	25.5	25.1	24.6	24.2	23.8	22.7
95°	48.3	48.3	48.3	48.3	48.3	48.0	47.5	46.9	46.4	45.9	44.8
97.5°	74.3	74.4	74.5	74.5	74.5	74.2	73.6	73.0	72.3	71.7	70.9
100°	94.1	93.9	93.6	93.3	93.1	92.7	92.3	91.9	91.5	91.0	90.4
102.5°	114.5	114.5	114.5	114.6	114.7	114.5	114.1	113.7	113.3	112.9	111.9
105°	147.4	147.1	146.9	146.6	146.3	146.2	146.2	146.2	146.2	146.2	145.0
107.5°	181.7	181.9	182.0	182.2	182.4	182.3	181.8	181.3	180.9	180.5	180.0
110°	205.0	205.3	205.6	205.8	206.1	206.0	205.4	204.9	204.3	203.7	203.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	229.8	229.8	229.9	230.0	230.0	229.7	229.0	228.4	227.8	227.0	227.0
115°	263.9	264.0	264.1	264.3	264.4	264.4	264.3	264.1	264.0	263.9	264.1
117.5°	298.4	298.8	299.2	299.6	299.9	300.2	300.2	300.2	300.2	300.2	300.6
120°	322.7	323.0	323.2	323.5	323.8	324.0	324.2	324.2	324.4	324.6	325.3
122.5°	345.9	346.3	346.7	347.1	347.5	347.9	348.2	348.6	349.0	349.4	349.7
125°	380.9	381.4	382.0	382.5	383.1	383.7	384.2	384.8	385.3	385.9	386.1
127.5°	415.7	416.4	417.0	417.6	418.3	419.0	419.7	420.5	421.3	422.0	422.3
130°	438.5	439.5	440.5	441.4	442.4	443.1	443.7	444.3	444.7	445.3	445.8
132.5°	462.3	463.0	463.7	464.5	465.2	466.0	466.6	467.3	467.9	468.6	468.9
135°	499.2	499.5	499.8	500.0	500.3	500.7	501.3	501.8	502.4	503.0	503.0
137.5°	531.8	532.3	532.8	533.4	533.9	534.4	535.0	535.6	536.1	536.7	536.4
140°	553.1	554.1	555.0	556.0	557.0	557.5	557.6	557.8	557.9	558.0	557.9
142.5°	574.9	575.6	576.4	577.1	577.9	578.3	578.5	578.6	578.7	578.8	578.6
145°	606.3	606.9	607.4	608.0	608.6	608.9	609.0	609.2	609.3	609.4	609.0
147.5°	634.4	635.2	636.0	636.8	637.6	638.1	638.1	638.1	638.1	638.1	637.7
150°	652.2	653.0	653.9	654.7	655.5	655.9	655.9	655.9	655.9	655.9	655.6
152.5°	669.6	670.3	671.0	671.7	672.4	672.6	672.4	672.2	672.0	671.8	671.6
155°	693.1	694.0	695.0	695.9	696.9	697.1	696.6	696.0	695.5	694.9	694.8
157.5°	714.5	715.3	716.1	716.8	717.6	717.6	717.1	716.5	716.0	715.3	715.3
160°	728.3	728.9	729.4	730.0	730.6	730.5	729.8	729.1	728.4	727.8	727.8
162.5°	738.8	739.7	740.5	741.4	742.3	742.4	741.7	741.0	740.3	739.7	739.5
165°	753.8	754.7	755.7	756.7	757.6	757.7	756.9	756.1	755.2	754.4	754.4
167.5°	766.5	767.4	768.3	769.1	769.9	769.9	769.1	768.3	767.4	766.5	766.4
170°	772.9	774.0	774.9	775.9	776.8	776.8	775.9	774.9	774.0	772.9	772.9
172.5°	777.9	778.9	779.8	780.8	781.8	781.8	781.0	780.1	779.3	778.4	778.4
175°	783.5	784.4	785.4	786.4	787.3	787.4	786.6	785.8	785.0	784.1	784.1
177.5°	786.5	787.3	788.0	788.8	789.6	789.6	788.9	788.3	787.6	787.0	787.0
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	392.7	391.6	390.4	388.3	386.5	384.0	383.3	382.4	379.7	377.4	375.6
5°	416.7	412.3	405.8	399.9	395.1	388.6	385.0	381.1	375.6	370.6	366.5
7.5°	441.8	433.1	423.0	412.3	402.1	392.4	384.5	377.5	369.7	362.4	356.6
10°	461.8	449.2	435.1	420.0	407.1	394.6	384.0	374.9	364.9	356.2	349.0
12.5°	484.5	465.9	446.6	428.2	412.9	395.5	382.7	371.0	359.7	349.3	341.2
15°	511.4	487.7	464.9	439.6	416.4	394.6	379.5	364.6	351.6	340.9	330.5
17.5°	535.9	509.1	479.0	448.2	420.2	394.3	373.2	356.5	340.1	327.0	316.7
20°	549.8	519.4	485.2	453.3	422.2	393.5	370.2	350.3	332.6	318.7	307.1
22.5°	561.7	526.1	490.8	456.6	422.1	391.1	364.7	344.2	325.0	311.5	299.1
25°	574.2	531.5	496.1	456.1	417.5	385.3	355.8	332.6	313.4	297.5	284.8
27.5°	584.8	531.2	489.1	446.0	410.1	378.0	346.4	321.5	301.1	283.8	270.9
30°	591.8	531.9	481.9	439.3	403.1	369.9	339.2	314.1	292.7	275.2	263.0
32.5°	596.3	531.4	475.2	429.8	391.8	362.4	331.4	305.4	283.4	266.2	254.4
35°	598.9	528.1	463.7	410.3	373.8	345.1	319.1	292.2	269.1	253.0	239.7
37.5°	593.7	521.3	450.5	391.4	351.4	323.3	301.3	278.5	256.4	238.7	227.2
40°	585.6	516.9	440.1	378.1	336.0	309.0	290.3	267.8	246.0	229.2	218.5
42.5°	570.1	507.9	428.8	363.4	320.1	293.0	275.8	257.0	236.4	220.6	209.9
45°	532.3	488.3	411.7	341.3	296.6	268.5	253.4	239.7	221.1	205.8	196.5
47.5°	479.7	458.8	387.1	317.9	272.0	245.0	229.3	218.3	204.7	192.3	183.5
50°	443.3	434.6	370.4	301.9	255.6	229.2	214.0	204.1	194.3	182.0	173.9
52.5°	401.2	406.5	350.9	285.4	238.9	212.9	198.8	190.8	182.0	171.7	164.7
55°	342.0	361.3	317.3	257.6	214.0	189.3	175.9	168.9	163.7	156.1	150.0
57.5°	286.5	311.2	280.8	229.0	189.6	168.3	155.4	147.8	144.5	140.5	135.7
60°	253.6	277.9	254.8	209.8	173.3	153.0	141.6	135.1	131.7	129.0	124.9
62.5°	224.2	248.8	229.5	190.4	157.2	138.4	128.4	122.1	119.5	118.1	114.6
65°	183.8	205.0	192.1	160.0	134.2	117.6	108.5	104.1	101.7	101.2	98.9
67.5°	149.6	165.7	156.4	132.7	112.4	98.1	90.4	86.6	84.8	84.5	82.9
70°	127.1	142.3	135.1	113.7	96.2	84.9	78.3	74.9	73.8	73.7	72.7
72.5°	109.7	120.3	114.5	96.7	83.2	73.0	68.0	64.6	63.4	63.6	63.0
75°	81.2	89.1	85.8	73.4	62.6	55.9	51.9	49.7	48.6	49.1	48.3
77.5°	58.5	63.5	60.4	51.9	45.2	40.4	37.4	36.0	35.0	35.0	34.7
80°	44.1	47.1	45.4	40.2	34.7	30.7	28.2	27.3	26.8	26.5	26.4
82.5°	31.4	33.9	31.9	28.4	24.6	22.2	20.8	19.6	19.3	19.3	19.2
85°	15.8	16.8	16.1	13.9	12.4	11.2	10.5	10.0	9.6	9.7	9.4
87.5°	7.7	7.5	6.7	5.8	5.2	4.5	4.2	3.6	3.6	4.0	4.0
90°	11.2	9.5	7.7	6.1	4.8	3.4	2.0	0.6	2.0	3.4	4.8
92.5°	21.8	20.8	19.7	18.7	17.8	16.9	15.9	15.0	15.9	16.9	17.8
95°	43.6	42.5	41.4	40.4	39.5	38.5	37.5	36.5	37.5	38.5	39.5
97.5°	70.1	69.3	68.5	67.8	67.0	66.3	65.6	64.9	65.6	66.3	67.0
100°	89.7	89.0	88.3	87.5	86.7	85.9	85.1	84.2	85.1	85.9	86.7
102.5°	111.1	110.1	109.2	108.5	108.1	107.5	107.0	106.5	107.0	107.5	108.1
105°	143.7	142.4	141.2	140.5	140.2	139.9	139.7	139.3	139.7	139.9	140.2
107.5°	179.5	179.0	178.5	178.2	178.0	177.8	177.7	177.5	177.7	177.8	178.0
110°	203.2	203.0	202.6	202.4	202.1	201.8	201.5	201.3	201.5	201.8	202.1





TEST NUMBER: P331884-927

CATALOG NUMBER: S123DIP-S340D805U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	227.0	226.9	226.8	226.7	226.6	226.4	226.2	226.1	226.2	226.4	226.6
115°	264.4	264.7	265.0	264.9	264.4	264.0	263.6	263.2	263.6	264.0	264.4
117.5°	301.0	301.3	301.7	301.7	301.4	301.2	301.0	300.6	301.0	301.2	301.4
120°	325.9	326.6	327.3	327.3	326.4	325.6	324.7	323.9	324.7	325.6	326.4
122.5°	350.1	350.4	350.8	350.6	350.0	349.4	348.8	348.2	348.8	349.4	350.0
125°	386.4	386.7	387.0	386.9	386.5	386.0	385.6	385.2	385.6	386.0	386.5
127.5°	422.6	422.9	423.3	422.9	422.1	421.2	420.3	419.5	420.3	421.2	422.1
130°	446.2	446.6	446.9	446.6	445.5	444.4	443.3	442.2	443.3	444.4	445.5
132.5°	469.2	469.5	469.8	469.4	468.3	467.2	466.1	465.0	466.1	467.2	468.3
135°	503.2	503.4	503.5	503.1	502.3	501.5	500.7	499.8	500.7	501.5	502.3
137.5°	536.0	535.7	535.3	534.8	534.1	533.4	532.7	532.0	532.7	533.4	534.1
140°	557.8	557.6	557.5	557.1	556.4	555.7	555.0	554.3	555.0	555.7	556.4
142.5°	578.4	578.1	577.9	577.4	576.7	576.0	575.4	574.6	575.4	576.0	576.7
145°	608.6	608.2	607.8	607.4	607.2	606.9	606.7	606.3	606.7	606.9	607.2
147.5°	637.3	636.9	636.5	636.1	635.6	635.1	634.6	634.1	634.6	635.1	635.6
150°	655.4	655.1	654.8	654.5	654.3	653.9	653.7	653.4	653.7	653.9	654.3
152.5°	671.5	671.3	671.1	670.8	670.4	670.0	669.6	669.3	669.6	670.0	670.4
155°	694.7	694.5	694.3	694.3	694.3	694.3	694.3	694.3	694.3	694.3	694.3
157.5°	715.2	715.0	714.9	714.9	715.1	715.3	715.4	715.6	715.4	715.3	715.1
160°	727.8	727.8	727.8	727.9	728.2	728.4	728.7	729.0	728.7	728.4	728.2
162.5°	739.4	739.3	739.2	739.3	739.7	740.1	740.5	740.8	740.5	740.1	739.7
165°	754.4	754.4	754.4	754.6	755.0	755.4	755.8	756.2	755.8	755.4	755.0
167.5°	766.3	766.2	766.1	766.3	766.8	767.4	767.9	768.5	767.9	767.4	766.8
170°	772.9	772.9	772.9	773.2	773.8	774.4	774.9	775.5	774.9	774.4	773.8
172.5°	778.4	778.4	778.4	778.7	779.3	779.8	780.4	780.9	780.4	779.8	779.3
175°	784.1	784.1	784.1	784.4	785.0	785.5	786.0	786.6	786.0	785.5	785.0
177.5°	787.0	787.0	787.0	787.2	787.6	788.1	788.5	788.9	788.5	788.1	787.6
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5



TEST NUMBER: P331884-927

CATALOG NUMBER: S123DIP-S340D805U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	374.5	373.5	372.1	369.9	368.0	365.3	365.3	365.7	365.7	365.6	365.3
5°	363.2	360.4	357.1	353.2	349.2	345.1	344.4	342.9	341.8	341.0	340.2
7.5°	351.2	346.3	341.4	336.0	331.1	327.0	324.2	321.8	320.3	318.6	317.4
10°	343.1	337.0	331.3	325.6	319.2	314.3	311.2	309.0	307.3	305.8	305.1
12.5°	333.5	326.5	320.2	314.7	307.9	302.8	299.8	298.7	296.8	293.7	292.1
15°	319.5	313.0	305.5	297.1	293.8	287.6	284.0	282.3	281.2	278.8	278.1
17.5°	307.4	299.0	290.5	284.3	278.1	273.1	271.1	269.0	267.6	265.6	265.0
20°	297.9	290.3	282.6	275.9	269.4	263.9	262.2	260.8	259.3	258.4	257.6
22.5°	288.1	280.6	274.1	267.9	261.0	257.4	255.6	254.0	252.9	252.3	251.6
25°	274.4	267.8	260.5	255.1	249.5	247.1	246.0	245.1	244.3	243.4	243.2
27.5°	262.2	254.9	249.1	243.9	240.0	238.0	236.9	236.5	236.6	236.9	237.2
30°	253.0	246.4	241.6	237.2	233.5	231.6	231.4	231.4	232.2	232.3	232.7
32.5°	244.6	239.2	234.3	230.0	227.3	226.0	226.7	226.7	227.3	227.8	228.5
35°	232.3	227.5	223.9	220.1	217.8	218.3	218.7	219.0	220.0	221.1	221.8
37.5°	220.6	216.5	212.6	209.8	208.7	209.6	210.6	211.3	212.4	213.3	214.0
40°	212.2	209.1	205.4	202.8	203.2	203.7	204.5	205.4	206.4	206.9	207.6
42.5°	204.4	201.1	198.3	196.1	196.7	197.4	197.8	198.3	199.4	200.4	200.8
45°	192.5	189.9	187.4	186.0	186.4	186.8	187.1	187.7	188.6	189.3	189.6
47.5°	179.1	177.3	175.5	174.3	174.9	174.8	175.2	176.4	176.7	177.1	178.2
50°	170.6	168.9	166.8	166.4	166.4	166.4	166.7	168.1	168.1	168.9	169.6
52.5°	161.1	160.0	158.8	158.0	157.7	157.7	158.5	159.2	159.5	160.6	161.4
55°	147.1	146.0	144.9	144.3	143.9	144.3	145.8	146.2	147.1	147.7	148.2
57.5°	132.5	131.7	130.8	130.5	130.4	130.9	131.7	132.8	133.0	134.8	135.5
60°	122.9	121.6	120.9	120.9	120.5	122.2	121.8	123.7	124.1	125.2	126.4
62.5°	113.0	111.3	111.0	111.0	111.5	112.0	112.5	113.3	114.3	115.7	116.7
65°	97.0	96.2	97.4	97.3	96.9	98.0	98.0	98.9	100.1	101.3	103.4
67.5°	82.0	81.5	81.6	81.6	82.1	82.8	83.3	84.1	85.5	86.8	88.2
70°	71.8	72.3	71.5	72.2	72.7	72.9	73.3	74.4	75.8	76.8	78.3
72.5°	61.9	61.9	61.9	62.3	62.8	63.1	63.5	64.8	66.4	67.2	68.4
75°	47.6	47.5	48.0	48.0	48.9	49.3	49.7	50.2	51.7	52.8	53.7
77.5°	34.8	35.0	34.9	35.5	35.3	35.3	36.4	37.0	37.2	39.4	39.8
80°	26.2	26.5	26.8	26.9	27.1	26.8	28.0	28.6	28.6	29.9	30.8
82.5°	18.9	19.0	19.5	19.7	19.7	20.1	20.2	20.6	21.1	21.6	22.8
85°	9.4	10.0	10.1	10.0	10.1	9.7	10.3	10.5	10.7	10.7	10.7
87.5°	4.2	4.7	4.8	5.4	5.5	6.1	6.2	6.0	6.1	6.7	6.2
90°	6.1	7.7	9.5	11.2	13.1	14.9	15.4	16.0	16.5	17.0	17.5
92.5°	18.7	19.7	20.8	21.8	22.7	23.8	24.2	24.6	25.1	25.5	25.7
95°	40.4	41.4	42.5	43.6	44.8	45.9	46.4	46.9	47.5	48.0	48.3
97.5°	67.8	68.5	69.3	70.1	70.9	71.7	72.3	73.0	73.6	74.2	74.5
100°	87.5	88.3	89.0	89.7	90.4	91.0	91.5	91.9	92.3	92.7	93.1
102.5°	108.5	109.2	110.1	111.1	111.9	112.9	113.3	113.7	114.1	114.5	114.7
105°	140.5	141.2	142.4	143.7	145.0	146.2	146.2	146.2	146.2	146.2	146.3
107.5°	178.2	178.5	179.0	179.5	180.0	180.5	180.9	181.3	181.8	182.3	182.4
110°	202.4	202.6	203.0	203.2	203.5	203.7	204.3	204.9	205.4	206.0	206.1



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	226.7	226.8	226.9	227.0	227.0	227.0	227.8	228.4	229.0	229.7	230.0
115°	264.9	265.0	264.7	264.4	264.1	263.9	264.0	264.1	264.3	264.4	264.4
117.5°	301.7	301.7	301.3	301.0	300.6	300.2	300.2	300.2	300.2	300.2	299.9
120°	327.3	327.3	326.6	325.9	325.3	324.6	324.4	324.2	324.2	324.0	323.8
122.5°	350.6	350.8	350.4	350.1	349.7	349.4	349.0	348.6	348.2	347.9	347.5
125°	386.9	387.0	386.7	386.4	386.1	385.9	385.3	384.8	384.2	383.7	383.1
127.5°	422.9	423.3	422.9	422.6	422.3	422.0	421.3	420.5	419.7	419.0	418.3
130°	446.6	446.9	446.6	446.2	445.8	445.3	444.7	444.3	443.7	443.1	442.4
132.5°	469.4	469.8	469.5	469.2	468.9	468.6	467.9	467.3	466.6	466.0	465.2
135°	503.1	503.5	503.4	503.2	503.0	503.0	502.4	501.8	501.3	500.7	500.3
137.5°	534.8	535.3	535.7	536.0	536.4	536.7	536.1	535.6	535.0	534.4	533.9
140°	557.1	557.5	557.6	557.8	557.9	558.0	557.9	557.8	557.6	557.5	557.0
142.5°	577.4	577.9	578.1	578.4	578.6	578.8	578.7	578.6	578.5	578.3	577.9
145°	607.4	607.8	608.2	608.6	609.0	609.4	609.3	609.2	609.0	608.9	608.6
147.5°	636.1	636.5	636.9	637.3	637.7	638.1	638.1	638.1	638.1	638.1	637.6
150°	654.5	654.8	655.1	655.4	655.6	655.9	655.9	655.9	655.9	655.9	655.5
152.5°	670.8	671.1	671.3	671.5	671.6	671.8	672.0	672.2	672.4	672.6	672.4
155°	694.3	694.3	694.5	694.7	694.8	694.9	695.5	696.0	696.6	697.1	696.9
157.5°	714.9	714.9	715.0	715.2	715.3	715.3	716.0	716.5	717.1	717.6	717.6
160°	727.9	727.8	727.8	727.8	727.8	727.8	728.4	729.1	729.8	730.5	730.6
162.5°	739.3	739.2	739.3	739.4	739.5	739.7	740.3	741.0	741.7	742.4	742.3
165°	754.6	754.4	754.4	754.4	754.4	754.4	755.2	756.1	756.9	757.7	757.6
167.5°	766.3	766.1	766.2	766.3	766.4	766.5	767.4	768.3	769.1	769.9	769.9
170°	773.2	772.9	772.9	772.9	772.9	772.9	774.0	774.9	775.9	776.8	776.8
172.5°	778.7	778.4	778.4	778.4	778.4	778.4	779.3	780.1	781.0	781.8	781.8
175°	784.4	784.1	784.1	784.1	784.1	784.1	785.0	785.8	786.6	787.4	787.3
177.5°	787.2	787.0	787.0	787.0	787.0	787.0	787.6	788.3	788.9	789.6	789.6
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5



TEST NUMBER: P331884-927

CATALOG NUMBER: S123DIP-S340D805U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	364.2	364.1	365.1	364.4	365.1	364.1	364.2	365.3	365.6	365.7	365.7
5°	339.1	339.6	337.7	337.7	337.7	339.6	339.1	340.2	341.0	341.8	342.9
7.5°	316.6	315.8	315.8	314.8	315.8	315.8	316.6	317.4	318.6	320.3	321.8
10°	302.9	301.7	301.3	301.6	301.3	301.7	302.9	305.1	305.8	307.3	309.0
12.5°	291.4	291.3	288.8	288.8	288.8	291.3	291.4	292.1	293.7	296.8	298.7
15°	278.1	274.6	274.3	275.4	274.3	274.6	278.1	278.1	278.8	281.2	282.3
17.5°	264.7	262.8	263.0	262.4	263.0	262.8	264.7	265.0	265.6	267.6	269.0
20°	257.6	256.5	256.4	255.1	256.4	256.5	257.6	257.6	258.4	259.3	260.8
22.5°	251.1	250.8	250.9	249.5	250.9	250.8	251.1	251.6	252.3	252.9	254.0
25°	243.0	244.0	243.2	243.2	243.2	244.0	243.0	243.2	243.4	244.3	245.1
27.5°	237.6	237.6	237.2	237.2	237.2	237.6	237.6	237.2	236.9	236.6	236.5
30°	233.5	233.3	233.6	233.6	233.6	233.3	233.5	232.7	232.3	232.2	231.4
32.5°	229.3	229.6	229.7	229.8	229.7	229.6	229.3	228.5	227.8	227.3	226.7
35°	222.9	223.2	223.7	223.3	223.7	223.2	222.9	221.8	221.1	220.0	219.0
37.5°	214.3	215.2	215.0	215.2	215.0	215.2	214.3	214.0	213.3	212.4	211.3
40°	207.8	208.3	208.2	208.2	208.2	208.3	207.8	207.6	206.9	206.4	205.4
42.5°	201.1	201.5	201.1	200.8	201.1	201.5	201.1	200.8	200.4	199.4	198.3
45°	190.3	189.9	190.4	189.7	190.4	189.9	190.3	189.6	189.3	188.6	187.7
47.5°	178.1	178.5	178.6	179.2	178.6	178.5	178.1	178.2	177.1	176.7	176.4
50°	170.0	171.1	171.1	170.9	171.1	171.1	170.0	169.6	168.9	168.1	168.1
52.5°	162.0	162.5	163.3	163.2	163.3	162.5	162.0	161.4	160.6	159.5	159.2
55°	149.6	150.0	150.4	150.6	150.4	150.0	149.6	148.2	147.7	147.1	146.2
57.5°	136.9	136.7	137.6	137.9	137.6	136.7	136.9	135.5	134.8	133.0	132.8
60°	127.9	127.9	129.4	129.9	129.4	127.9	127.9	126.4	125.2	124.1	123.7
62.5°	118.3	118.9	120.3	119.6	120.3	118.9	118.3	116.7	115.7	114.3	113.3
65°	104.3	105.8	105.6	106.3	105.6	105.8	104.3	103.4	101.3	100.1	98.9
67.5°	89.6	90.5	91.9	92.0	91.9	90.5	89.6	88.2	86.8	85.5	84.1
70°	79.7	80.6	81.4	81.9	81.4	80.6	79.7	78.3	76.8	75.8	74.4
72.5°	70.1	70.6	72.4	71.6	72.4	70.6	70.1	68.4	67.2	66.4	64.8
75°	55.0	56.3	57.4	56.9	57.4	56.3	55.0	53.7	52.8	51.7	50.2
77.5°	40.6	42.0	42.5	42.0	42.5	42.0	40.6	39.8	39.4	37.2	37.0
80°	32.1	31.9	33.0	32.9	33.0	31.9	32.1	30.8	29.9	28.6	28.6
82.5°	23.5	23.4	23.8	24.0	23.8	23.4	23.5	22.8	21.6	21.1	20.6
85°	11.4	12.0	11.2	11.1	11.2	12.0	11.4	10.7	10.7	10.7	10.5
87.5°	6.2	6.3	6.2	6.1	6.2	6.3	6.2	6.2	6.7	6.1	6.0
90°	17.7	18.1	18.3	18.6	18.3	18.1	17.7	17.5	17.0	16.5	16.0
92.5°	25.5	25.3	25.2	25.0	25.2	25.3	25.5	25.7	25.5	25.1	24.6
95°	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.0	47.5	46.9
97.5°	74.5	74.5	74.4	74.3	74.4	74.5	74.5	74.5	74.2	73.6	73.0
100°	93.3	93.6	93.9	94.1	93.9	93.6	93.3	93.1	92.7	92.3	91.9
102.5°	114.6	114.5	114.5	114.5	114.5	114.5	114.6	114.7	114.5	114.1	113.7
105°	146.6	146.9	147.1	147.4	147.1	146.9	146.6	146.3	146.2	146.2	146.2
107.5°	182.2	182.0	181.9	181.7	181.9	182.0	182.2	182.4	182.3	181.8	181.3
110°	205.8	205.6	205.3	205.0	205.3	205.6	205.8	206.1	206.0	205.4	204.9



TEST NUMBER: P331884-927

CATALOG NUMBER: S123DIP-S340D805U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	230.0	229.9	229.8	229.8	229.8	229.9	230.0	230.0	229.7	229.0	228.4
115°	264.3	264.1	264.0	263.9	264.0	264.1	264.3	264.4	264.4	264.3	264.1
117.5°	299.6	299.2	298.8	298.4	298.8	299.2	299.6	299.9	300.2	300.2	300.2
120°	323.5	323.2	323.0	322.7	323.0	323.2	323.5	323.8	324.0	324.2	324.2
122.5°	347.1	346.7	346.3	345.9	346.3	346.7	347.1	347.5	347.9	348.2	348.6
125°	382.5	382.0	381.4	380.9	381.4	382.0	382.5	383.1	383.7	384.2	384.8
127.5°	417.6	417.0	416.4	415.7	416.4	417.0	417.6	418.3	419.0	419.7	420.5
130°	441.4	440.5	439.5	438.5	439.5	440.5	441.4	442.4	443.1	443.7	444.3
132.5°	464.5	463.7	463.0	462.3	463.0	463.7	464.5	465.2	466.0	466.6	467.3
135°	500.0	499.8	499.5	499.2	499.5	499.8	500.0	500.3	500.7	501.3	501.8
137.5°	533.4	532.8	532.3	531.8	532.3	532.8	533.4	533.9	534.4	535.0	535.6
140°	556.0	555.0	554.1	553.1	554.1	555.0	556.0	557.0	557.5	557.6	557.8
142.5°	577.1	576.4	575.6	574.9	575.6	576.4	577.1	577.9	578.3	578.5	578.6
145°	608.0	607.4	606.9	606.3	606.9	607.4	608.0	608.6	608.9	609.0	609.2
147.5°	636.8	636.0	635.2	634.4	635.2	636.0	636.8	637.6	638.1	638.1	638.1
150°	654.7	653.9	653.0	652.2	653.0	653.9	654.7	655.5	655.9	655.9	655.9
152.5°	671.7	671.0	670.3	669.6	670.3	671.0	671.7	672.4	672.6	672.4	672.2
155°	695.9	695.0	694.0	693.1	694.0	695.0	695.9	696.9	697.1	696.6	696.0
157.5°	716.8	716.1	715.3	714.5	715.3	716.1	716.8	717.6	717.6	717.1	716.5
160°	730.0	729.4	728.9	728.3	728.9	729.4	730.0	730.6	730.5	729.8	729.1
162.5°	741.4	740.5	739.7	738.8	739.7	740.5	741.4	742.3	742.4	741.7	741.0
165°	756.7	755.7	754.7	753.8	754.7	755.7	756.7	757.6	757.7	756.9	756.1
167.5°	769.1	768.3	767.4	766.5	767.4	768.3	769.1	769.9	769.9	769.1	768.3
170°	775.9	774.9	774.0	772.9	774.0	774.9	775.9	776.8	776.8	775.9	774.9
172.5°	780.8	779.8	778.9	777.9	778.9	779.8	780.8	781.8	781.8	781.0	780.1
175°	786.4	785.4	784.4	783.5	784.4	785.4	786.4	787.3	787.4	786.6	785.8
177.5°	788.8	788.0	787.3	786.5	787.3	788.0	788.8	789.6	789.6	788.9	788.3
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5



TEST NUMBER: P331884-927

CATALOG NUMBER: S123DIP-S340D805U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	365.3	365.3	368.0	369.9	372.1	373.5	374.5	375.6	377.4	379.7	382.4
5°	344.4	345.1	349.2	353.2	357.1	360.4	363.2	366.5	370.6	375.6	381.1
7.5°	324.2	327.0	331.1	336.0	341.4	346.3	351.2	356.6	362.4	369.7	377.5
10°	311.2	314.3	319.2	325.6	331.3	337.0	343.1	349.0	356.2	364.9	374.9
12.5°	299.8	302.8	307.9	314.7	320.2	326.5	333.5	341.2	349.3	359.7	371.0
15°	284.0	287.6	293.8	297.1	305.5	313.0	319.5	330.5	340.9	351.6	364.6
17.5°	271.1	273.1	278.1	284.3	290.5	299.0	307.4	316.7	327.0	340.1	356.5
20°	262.2	263.9	269.4	275.9	282.6	290.3	297.9	307.1	318.7	332.6	350.3
22.5°	255.6	257.4	261.0	267.9	274.1	280.6	288.1	299.1	311.5	325.0	344.2
25°	246.0	247.1	249.5	255.1	260.5	267.8	274.4	284.8	297.5	313.4	332.6
27.5°	236.9	238.0	240.0	243.9	249.1	254.9	262.2	270.9	283.8	301.1	321.5
30°	231.4	231.6	233.5	237.2	241.6	246.4	253.0	263.0	275.2	292.7	314.1
32.5°	226.7	226.0	227.3	230.0	234.3	239.2	244.6	254.4	266.2	283.4	305.4
35°	218.7	218.3	217.8	220.1	223.9	227.5	232.3	239.7	253.0	269.1	292.2
37.5°	210.6	209.6	208.7	209.8	212.6	216.5	220.6	227.2	238.7	256.4	278.5
40°	204.5	203.7	203.2	202.8	205.4	209.1	212.2	218.5	229.2	246.0	267.8
42.5°	197.8	197.4	196.7	196.1	198.3	201.1	204.4	209.9	220.6	236.4	257.0
45°	187.1	186.8	186.4	186.0	187.4	189.9	192.5	196.5	205.8	221.1	239.7
47.5°	175.2	174.8	174.9	174.3	175.5	177.3	179.1	183.5	192.3	204.7	218.3
50°	166.7	166.4	166.4	166.4	166.8	168.9	170.6	173.9	182.0	194.3	204.1
52.5°	158.5	157.7	157.7	158.0	158.8	160.0	161.1	164.7	171.7	182.0	190.8
55°	145.8	144.3	143.9	144.3	144.9	146.0	147.1	150.0	156.1	163.7	168.9
57.5°	131.7	130.9	130.4	130.5	130.8	131.7	132.5	135.7	140.5	144.5	147.8
60°	121.8	122.2	120.5	120.9	120.9	121.6	122.9	124.9	129.0	131.7	135.1
62.5°	112.5	112.0	111.5	111.0	111.0	111.3	113.0	114.6	118.1	119.5	122.1
65°	98.0	98.0	96.9	97.3	97.4	96.2	97.0	98.9	101.2	101.7	104.1
67.5°	83.3	82.8	82.1	81.6	81.6	81.5	82.0	82.9	84.5	84.8	86.6
70°	73.3	72.9	72.7	72.2	71.5	72.3	71.8	72.7	73.7	73.8	74.9
72.5°	63.5	63.1	62.8	62.3	61.9	61.9	61.9	63.0	63.6	63.4	64.6
75°	49.7	49.3	48.9	48.0	48.0	47.5	47.6	48.3	49.1	48.6	49.7
77.5°	36.4	35.3	35.3	35.5	34.9	35.0	34.8	34.7	35.0	35.0	36.0
80°	28.0	26.8	27.1	26.9	26.8	26.5	26.2	26.4	26.5	26.8	27.3
82.5°	20.2	20.1	19.7	19.7	19.5	19.0	18.9	19.2	19.3	19.3	19.6
85°	10.3	9.7	10.1	10.0	10.1	10.0	9.4	9.4	9.7	9.6	10.0
87.5°	6.2	6.1	5.5	5.4	4.8	4.7	4.2	4.0	4.0	3.6	3.6
90°	15.4	14.9	13.1	11.2	9.5	7.7	6.1	4.8	3.4	2.0	0.6
92.5°	24.2	23.8	22.7	21.8	20.8	19.7	18.7	17.8	16.9	15.9	15.0
95°	46.4	45.9	44.8	43.6	42.5	41.4	40.4	39.5	38.5	37.5	36.5
97.5°	72.3	71.7	70.9	70.1	69.3	68.5	67.8	67.0	66.3	65.6	64.9
100°	91.5	91.0	90.4	89.7	89.0	88.3	87.5	86.7	85.9	85.1	84.2
102.5°	113.3	112.9	111.9	111.1	110.1	109.2	108.5	108.1	107.5	107.0	106.5
105°	146.2	146.2	145.0	143.7	142.4	141.2	140.5	140.2	139.9	139.7	139.3
107.5°	180.9	180.5	180.0	179.5	179.0	178.5	178.2	178.0	177.8	177.7	177.5
110°	204.3	203.7	203.5	203.2	203.0	202.6	202.4	202.1	201.8	201.5	201.3



TEST NUMBER: P331884-927

CATALOG NUMBER: S123DIP-S340D805U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	227.8	227.0	227.0	227.0	226.9	226.8	226.7	226.6	226.4	226.2	226.1
115°	264.0	263.9	264.1	264.4	264.7	265.0	264.9	264.4	264.0	263.6	263.2
117.5°	300.2	300.2	300.6	301.0	301.3	301.7	301.7	301.4	301.2	301.0	300.6
120°	324.4	324.6	325.3	325.9	326.6	327.3	327.3	326.4	325.6	324.7	323.9
122.5°	349.0	349.4	349.7	350.1	350.4	350.8	350.6	350.0	349.4	348.8	348.2
125°	385.3	385.9	386.1	386.4	386.7	387.0	386.9	386.5	386.0	385.6	385.2
127.5°	421.3	422.0	422.3	422.6	422.9	423.3	422.9	422.1	421.2	420.3	419.5
130°	444.7	445.3	445.8	446.2	446.6	446.9	446.6	445.5	444.4	443.3	442.2
132.5°	467.9	468.6	468.9	469.2	469.5	469.8	469.4	468.3	467.2	466.1	465.0
135°	502.4	503.0	503.0	503.2	503.4	503.5	503.1	502.3	501.5	500.7	499.8
137.5°	536.1	536.7	536.4	536.0	535.7	535.3	534.8	534.1	533.4	532.7	532.0
140°	557.9	558.0	557.9	557.8	557.6	557.5	557.1	556.4	555.7	555.0	554.3
142.5°	578.7	578.8	578.6	578.4	578.1	577.9	577.4	576.7	576.0	575.4	574.6
145°	609.3	609.4	609.0	608.6	608.2	607.8	607.4	607.2	606.9	606.7	606.3
147.5°	638.1	638.1	637.7	637.3	636.9	636.5	636.1	635.6	635.1	634.6	634.1
150°	655.9	655.9	655.6	655.4	655.1	654.8	654.5	654.3	653.9	653.7	653.4
152.5°	672.0	671.8	671.6	671.5	671.3	671.1	670.8	670.4	670.0	669.6	669.3
155°	695.5	694.9	694.8	694.7	694.5	694.3	694.3	694.3	694.3	694.3	694.3
157.5°	716.0	715.3	715.3	715.2	715.0	714.9	714.9	715.1	715.3	715.4	715.6
160°	728.4	727.8	727.8	727.8	727.8	727.8	727.9	728.2	728.4	728.7	729.0
162.5°	740.3	739.7	739.5	739.4	739.3	739.2	739.3	739.7	740.1	740.5	740.8
165°	755.2	754.4	754.4	754.4	754.4	754.4	754.6	755.0	755.4	755.8	756.2
167.5°	767.4	766.5	766.4	766.3	766.2	766.1	766.3	766.8	767.4	767.9	768.5
170°	774.0	772.9	772.9	772.9	772.9	772.9	773.2	773.8	774.4	774.9	775.5
172.5°	779.3	778.4	778.4	778.4	778.4	778.4	778.7	779.3	779.8	780.4	780.9
175°	785.0	784.1	784.1	784.1	784.1	784.1	784.4	785.0	785.5	786.0	786.6
177.5°	787.6	787.0	787.0	787.0	787.0	787.0	787.2	787.6	788.1	788.5	788.9
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5



TEST NUMBER: P331884-927

CATALOG NUMBER: S123DIP-S340D805U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	383.3	384.0	386.5	388.3	390.4	391.6	392.7	393.6	394.8	395.1	399.3
5°	385.0	388.6	395.1	399.9	405.8	412.3	416.7	418.7	424.1	428.5	437.4
7.5°	384.5	392.4	402.1	412.3	423.0	433.1	441.8	452.2	459.5	470.6	481.4
10°	384.0	394.6	407.1	420.0	435.1	449.2	461.8	475.8	487.4	502.7	515.8
12.5°	382.7	395.5	412.9	428.2	446.6	465.9	484.5	502.5	512.8	538.3	550.3
15°	379.5	394.6	416.4	439.6	464.9	487.7	511.4	530.2	560.6	583.0	597.2
17.5°	373.2	394.3	420.2	448.2	479.0	509.1	535.9	564.4	596.8	623.8	652.6
20°	370.2	393.5	422.2	453.3	485.2	519.4	549.8	584.1	619.3	645.9	682.9
22.5°	364.7	391.1	422.1	456.6	490.8	526.1	561.7	596.4	637.1	673.7	708.8
25°	355.8	385.3	417.5	456.1	496.1	531.5	574.2	620.1	662.5	709.6	744.7
27.5°	346.4	378.0	410.1	446.0	489.1	531.2	584.8	636.7	688.6	729.2	755.2
30°	339.2	369.9	403.1	439.3	481.9	531.9	591.8	648.5	699.1	734.0	748.5
32.5°	331.4	362.4	391.8	429.8	475.2	531.4	596.3	655.5	699.7	722.9	720.0
35°	319.1	345.1	373.8	410.3	463.7	528.1	598.9	656.1	683.2	678.2	640.6
37.5°	301.3	323.3	351.4	391.4	450.5	521.3	593.7	636.6	634.9	594.3	539.7
40°	290.3	309.0	336.0	378.1	440.1	516.9	585.6	613.5	589.9	533.1	467.9
42.5°	275.8	293.0	320.1	363.4	428.8	507.9	570.1	578.1	532.0	466.8	406.9
45°	253.4	268.5	296.6	341.3	411.7	488.3	532.3	512.5	450.3	382.9	337.4
47.5°	229.3	245.0	272.0	317.9	387.1	458.8	479.7	437.8	373.9	319.2	277.4
50°	214.0	229.2	255.6	301.9	370.4	434.6	443.3	389.0	330.3	282.3	248.0
52.5°	198.8	212.9	238.9	285.4	350.9	406.5	401.2	345.9	292.0	251.0	224.1
55°	175.9	189.3	214.0	257.6	317.3	361.3	342.0	289.2	244.5	212.8	192.3
57.5°	155.4	168.3	189.6	229.0	280.8	311.2	286.5	242.0	206.5	182.0	166.8
60°	141.6	153.0	173.3	209.8	254.8	277.9	253.6	214.3	184.3	164.8	151.1
62.5°	128.4	138.4	157.2	190.4	229.5	248.8	224.2	190.9	165.5	148.1	136.5
65°	108.5	117.6	134.2	160.0	192.1	205.0	183.8	156.9	137.1	124.2	116.5
67.5°	90.4	98.1	112.4	132.7	156.4	165.7	149.6	128.7	113.8	103.5	97.4
70°	78.3	84.9	96.2	113.7	135.1	142.3	127.1	110.0	99.1	90.8	85.1
72.5°	68.0	73.0	83.2	96.7	114.5	120.3	109.7	94.7	84.5	78.3	73.7
75°	51.9	55.9	62.6	73.4	85.8	89.1	81.2	71.8	65.0	60.5	57.0
77.5°	37.4	40.4	45.2	51.9	60.4	63.5	58.5	52.1	47.1	44.2	42.2
80°	28.2	30.7	34.7	40.2	45.4	47.1	44.1	39.3	35.8	34.1	32.5
82.5°	20.8	22.2	24.6	28.4	31.9	33.9	31.4	28.5	26.6	25.1	24.5
85°	10.5	11.2	12.4	13.9	16.1	16.8	15.8	15.1	14.0	13.1	13.1
87.5°	4.2	4.5	5.2	5.8	6.7	7.5	7.7	7.8	8.0	7.9	7.9
90°	2.0	3.4	4.8	6.1	7.7	9.5	11.2	13.1	14.9	15.4	16.0
92.5°	15.9	16.9	17.8	18.7	19.7	20.8	21.8	22.7	23.8	24.2	24.6
95°	37.5	38.5	39.5	40.4	41.4	42.5	43.6	44.8	45.9	46.4	46.9
97.5°	65.6	66.3	67.0	67.8	68.5	69.3	70.1	70.9	71.7	72.3	73.0
100°	85.1	85.9	86.7	87.5	88.3	89.0	89.7	90.4	91.0	91.5	91.9
102.5°	107.0	107.5	108.1	108.5	109.2	110.1	111.1	111.9	112.9	113.3	113.7
105°	139.7	139.9	140.2	140.5	141.2	142.4	143.7	145.0	146.2	146.2	146.2
107.5°	177.7	177.8	178.0	178.2	178.5	179.0	179.5	180.0	180.5	180.9	181.3
110°	201.5	201.8	202.1	202.4	202.6	203.0	203.2	203.5	203.7	204.3	204.9





TEST NUMBER: P331884-927

CATALOG NUMBER: S123DIP-S340D805U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	226.2	226.4	226.6	226.7	226.8	226.9	227.0	227.0	227.0	227.8	228.4
115°	263.6	264.0	264.4	264.9	265.0	264.7	264.4	264.1	263.9	264.0	264.1
117.5°	301.0	301.2	301.4	301.7	301.7	301.3	301.0	300.6	300.2	300.2	300.2
120°	324.7	325.6	326.4	327.3	327.3	326.6	325.9	325.3	324.6	324.4	324.2
122.5°	348.8	349.4	350.0	350.6	350.8	350.4	350.1	349.7	349.4	349.0	348.6
125°	385.6	386.0	386.5	386.9	387.0	386.7	386.4	386.1	385.9	385.3	384.8
127.5°	420.3	421.2	422.1	422.9	423.3	422.9	422.6	422.3	422.0	421.3	420.5
130°	443.3	444.4	445.5	446.6	446.9	446.6	446.2	445.8	445.3	444.7	444.3
132.5°	466.1	467.2	468.3	469.4	469.8	469.5	469.2	468.9	468.6	467.9	467.3
135°	500.7	501.5	502.3	503.1	503.5	503.4	503.2	503.0	503.0	502.4	501.8
137.5°	532.7	533.4	534.1	534.8	535.3	535.7	536.0	536.4	536.7	536.1	535.6
140°	555.0	555.7	556.4	557.1	557.5	557.6	557.8	557.9	558.0	557.9	557.8
142.5°	575.4	576.0	576.7	577.4	577.9	578.1	578.4	578.6	578.8	578.7	578.6
145°	606.7	606.9	607.2	607.4	607.8	608.2	608.6	609.0	609.4	609.3	609.2
147.5°	634.6	635.1	635.6	636.1	636.5	636.9	637.3	637.7	638.1	638.1	638.1
150°	653.7	653.9	654.3	654.5	654.8	655.1	655.4	655.6	655.9	655.9	655.9
152.5°	669.6	670.0	670.4	670.8	671.1	671.3	671.5	671.6	671.8	672.0	672.2
155°	694.3	694.3	694.3	694.3	694.3	694.5	694.7	694.8	694.9	695.5	696.0
157.5°	715.4	715.3	715.1	714.9	714.9	715.0	715.2	715.3	715.3	716.0	716.5
160°	728.7	728.4	728.2	727.9	727.8	727.8	727.8	727.8	727.8	728.4	729.1
162.5°	740.5	740.1	739.7	739.3	739.2	739.3	739.4	739.5	739.7	740.3	741.0
165°	755.8	755.4	755.0	754.6	754.4	754.4	754.4	754.4	754.4	755.2	756.1
167.5°	767.9	767.4	766.8	766.3	766.1	766.2	766.3	766.4	766.5	767.4	768.3
170°	774.9	774.4	773.8	773.2	772.9	772.9	772.9	772.9	772.9	774.0	774.9
172.5°	780.4	779.8	779.3	778.7	778.4	778.4	778.4	778.4	778.4	779.3	780.1
175°	786.0	785.5	785.0	784.4	784.1	784.1	784.1	784.1	784.1	785.0	785.8
177.5°	788.5	788.1	787.6	787.2	787.0	787.0	787.0	787.0	787.0	787.6	788.3
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	400.8	401.0	402.6	403.8	403.2	403.9	404.3
5°	437.9	444.6	448.1	450.7	450.8	451.1	452.5
7.5°	490.5	497.6	502.9	510.8	513.1	515.8	515.1
10°	528.9	539.5	548.5	553.3	558.5	566.0	559.9
12.5°	564.8	583.4	597.2	604.7	609.5	611.0	608.1
15°	624.0	648.3	661.4	661.1	677.6	684.8	673.6
17.5°	678.2	700.7	718.7	727.9	741.8	744.8	743.5
20°	711.5	736.0	750.0	765.9	773.1	779.5	780.6
22.5°	740.1	762.2	777.2	790.4	796.4	799.5	801.3
25°	769.6	787.0	796.0	800.6	802.2	801.8	799.5
27.5°	767.5	768.9	758.9	749.2	740.4	730.6	727.1
30°	747.6	732.1	704.4	688.7	665.7	647.4	654.8
32.5°	695.2	664.3	633.3	599.0	570.6	562.5	554.4
35°	593.3	539.1	507.3	470.4	455.7	440.9	430.7
37.5°	480.0	438.1	400.4	376.3	361.5	352.1	347.1
40°	415.0	377.2	346.2	326.6	315.4	304.9	303.4
42.5°	363.2	328.0	304.8	289.1	278.4	273.9	270.6
45°	297.5	273.0	257.3	246.2	239.0	236.2	232.5
47.5°	251.8	234.5	222.7	215.2	209.7	207.6	207.4
50°	226.2	211.8	203.2	197.3	193.1	192.3	189.3
52.5°	207.1	194.6	187.8	182.7	179.6	177.5	176.7
55°	179.7	171.4	165.3	162.4	160.0	158.0	158.0
57.5°	157.2	150.4	146.3	143.8	143.1	141.6	140.7
60°	143.4	137.5	134.4	132.1	130.6	130.9	129.2
62.5°	129.8	126.0	122.9	120.8	119.0	119.1	119.1
65°	110.5	107.6	105.4	104.6	103.5	102.3	102.6
67.5°	93.7	90.9	89.2	87.9	87.5	86.8	87.9
70°	81.6	79.5	78.3	77.2	76.8	76.9	77.9
72.5°	70.5	69.1	68.2	67.7	66.9	66.9	67.6
75°	55.4	54.3	53.6	53.0	52.8	52.8	52.8
77.5°	40.6	40.4	40.1	39.3	39.3	39.5	39.5
80°	32.1	31.5	31.4	31.0	30.4	30.1	31.0
82.5°	24.0	23.4	23.3	23.2	22.3	22.3	23.1
85°	12.9	12.4	12.5	12.4	12.4	12.2	12.2
87.5°	7.8	7.8	7.8	8.0	7.9	7.8	8.2
90°	16.5	17.0	17.5	17.7	18.1	18.3	18.6
92.5°	25.1	25.5	25.7	25.5	25.3	25.2	25.0
95°	47.5	48.0	48.3	48.3	48.3	48.3	48.3
97.5°	73.6	74.2	74.5	74.5	74.5	74.4	74.3
100°	92.3	92.7	93.1	93.3	93.6	93.9	94.1
102.5°	114.1	114.5	114.7	114.6	114.5	114.5	114.5
105°	146.2	146.2	146.3	146.6	146.9	147.1	147.4
107.5°	181.8	182.3	182.4	182.2	182.0	181.9	181.7
110°	205.4	206.0	206.1	205.8	205.6	205.3	205.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	229.0	229.7	230.0	230.0	229.9	229.8	229.8
115°	264.3	264.4	264.4	264.3	264.1	264.0	263.9
117.5°	300.2	300.2	299.9	299.6	299.2	298.8	298.4
120°	324.2	324.0	323.8	323.5	323.2	323.0	322.7
122.5°	348.2	347.9	347.5	347.1	346.7	346.3	345.9
125°	384.2	383.7	383.1	382.5	382.0	381.4	380.9
127.5°	419.7	419.0	418.3	417.6	417.0	416.4	415.7
130°	443.7	443.1	442.4	441.4	440.5	439.5	438.5
132.5°	466.6	466.0	465.2	464.5	463.7	463.0	462.3
135°	501.3	500.7	500.3	500.0	499.8	499.5	499.2
137.5°	535.0	534.4	533.9	533.4	532.8	532.3	531.8
140°	557.6	557.5	557.0	556.0	555.0	554.1	553.1
142.5°	578.5	578.3	577.9	577.1	576.4	575.6	574.9
145°	609.0	608.9	608.6	608.0	607.4	606.9	606.3
147.5°	638.1	638.1	637.6	636.8	636.0	635.2	634.4
150°	655.9	655.9	655.5	654.7	653.9	653.0	652.2
152.5°	672.4	672.6	672.4	671.7	671.0	670.3	669.6
155°	696.6	697.1	696.9	695.9	695.0	694.0	693.1
157.5°	717.1	717.6	717.6	716.8	716.1	715.3	714.5
160°	729.8	730.5	730.6	730.0	729.4	728.9	728.3
162.5°	741.7	742.4	742.3	741.4	740.5	739.7	738.8
165°	756.9	757.7	757.6	756.7	755.7	754.7	753.8
167.5°	769.1	769.9	769.9	769.1	768.3	767.4	766.5
170°	775.9	776.8	776.8	775.9	774.9	774.0	772.9
172.5°	781.0	781.8	781.8	780.8	779.8	778.9	777.9
175°	786.6	787.4	787.3	786.4	785.4	784.4	783.5
177.5°	788.9	789.6	789.6	788.8	788.0	787.3	786.5
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5

(END OF REPORT)