

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: P331928-927

Luminaire Tested: **S123DIP-S560D805U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331928-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIP-S560D805U927-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 805 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4434.5 lumens  
Efficiency: N/A  
Efficacy: 115.5 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: General Diffuse

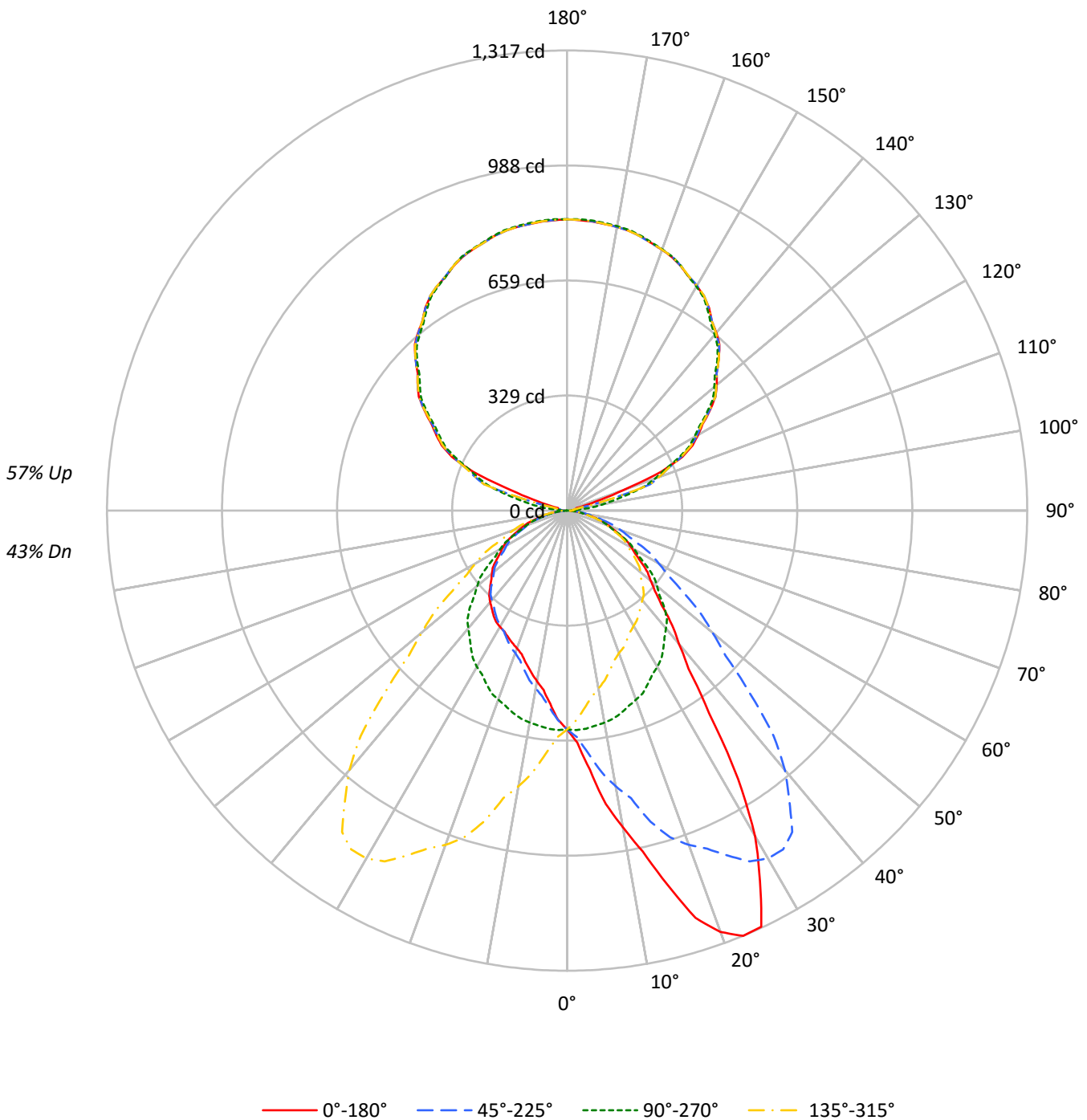
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR																																						
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	49	49	49	43																				
1	96	92	88	85	88	84	81	78	70	68	65	56	55	53	44	43	42	36																				
2	88	81	75	70	80	74	69	65	61	58	55	50	47	45	39	37	36	31																				
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	33	31	26																				
4	74	63	55	49	67	58	51	46	48	43	39	39	36	33	31	29	27	23																				
5	67	56	48	42	61	52	45	40	43	38	34	35	32	29	28	25	23	20																				
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	20	17																				
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	16																				
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	18	16	14																				
9	50	38	30	25	45	35	28	24	29	24	21	24	21	18	20	17	15	13																				
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	15	13	11																				

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

	0°	90°	180°	270°
0°	6740	6740	6740	6740
5°	8038	6769	5999	6769
10°	10061	6735	5418	6735
15°	12340	6681	5045	6681
20°	14701	6596	4803	6596
25°	15610	6494	4749	6494
30°	13380	6418	4774	6418
35°	9305	6311	4824	6311
40°	7009	6185	4808	6185
45°	5820	5999	4748	5999
50°	5213	5620	4706	5620
55°	4874	5210	4647	5210
60°	4573	4781	4598	4781
65°	4297	4358	4452	4358
70°	4028	3877	4239	3877
75°	3606	3394	3889	3394
80°	3155	2783	3347	2783
85°	2470	2025	2248	2025



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.7	1.4
10°-20°	197.8	4.5
20°-30°	332.0	7.5
30°-40°	375.9	8.5
40°-50°	337.1	7.6
50°-60°	272.0	6.1
60°-70°	189.6	4.3
70°-80°	99.6	2.2
80°-90°	26.7	0.6
90°-100°	30.3	0.7
100°-110°	144.4	3.3
110°-120°	347.0	7.8
120°-130°	441.8	10.0
130°-140°	472.1	10.6
140°-150°	441.4	10.0
150°-160°	356.1	8.0
160°-170°	229.8	5.2
170°-180°	79.2	1.8
0°-30°	591.5	13.3
0°-40°	967.4	21.8
0°-60°	1576.5	35.6
0°-90°	1892.4	42.7
90°-120°	521.7	11.8
90°-150°	1877.0	42.3
90°-180°	2542.0	57.3
0°-180°	4434.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	626	626	626	626	626	
5°	744	626	555	626	744	77
15°	1107	600	453	600	1107	320
25°	1314	547	400	547	1314	576
35°	708	480	367	480	708	460
45°	382	394	312	394	382	303
55°	260	278	248	278	260	233
65°	169	171	175	171	169	168
75°	87	82	94	82	87	93
85°	20	16	18	16	20	24
90°	19	1	19	1	19	9
95°	24	38	24	38	24	20
105°	27	185	27	185	27	62
115°	364	346	364	346	364	337
125°	498	488	498	488	498	445
135°	614	608	614	608	614	473
145°	708	701	708	701	708	442
155°	771	772	771	772	771	356
165°	812	814	812	814	812	229
175°	830	834	830	834	830	79
180°	834	834	834	834	834	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	664.6	664.1	662.9	663.8	661.9	659.3	659.0	656.6	649.5	649.0	647.1
5°	743.9	741.5	741.2	740.9	736.7	730.9	719.9	719.1	704.5	697.2	688.4
7.5°	846.8	848.0	843.6	839.7	826.7	818.2	806.4	791.5	773.6	755.4	743.3
10°	920.5	930.5	918.1	909.6	901.7	886.8	869.6	848.0	826.5	801.3	782.2
12.5°	999.7	1004.6	1002.1	994.0	981.8	959.2	928.5	904.8	884.9	843.0	826.1
15°	1107.4	1125.9	1114.1	1086.8	1087.4	1065.9	1025.8	981.8	958.5	921.7	871.6
17.5°	1222.3	1224.6	1219.5	1196.7	1181.5	1152.0	1115.0	1072.9	1025.5	981.1	928.0
20°	1283.4	1281.6	1271.0	1259.1	1233.0	1210.0	1169.6	1122.6	1061.9	1018.2	960.3
22.5°	1317.4	1314.3	1309.3	1299.4	1277.7	1252.9	1216.7	1165.3	1107.6	1047.3	980.4
25°	1314.3	1318.3	1318.9	1316.1	1308.6	1293.7	1265.2	1224.2	1166.6	1089.3	1019.5
27.5°	1195.4	1200.9	1217.2	1231.6	1247.7	1264.0	1261.9	1241.5	1198.9	1132.0	1046.7
30°	1076.5	1064.3	1094.4	1132.3	1158.1	1203.6	1229.1	1230.6	1206.7	1149.3	1066.1
32.5°	911.4	924.8	938.0	984.7	1041.1	1092.2	1142.9	1183.8	1188.4	1150.2	1077.5
35°	708.1	724.8	749.1	773.4	834.1	886.2	975.4	1053.1	1115.0	1123.2	1078.6
37.5°	570.6	578.9	594.2	618.5	658.2	720.2	789.2	887.3	977.0	1043.7	1046.6
40°	498.8	501.2	518.5	537.0	569.2	620.1	682.4	769.1	876.5	969.7	1008.5
42.5°	444.9	450.3	457.6	475.4	501.0	539.3	597.1	668.9	767.3	874.5	950.5
45°	382.3	388.3	392.9	404.7	422.9	448.7	489.1	554.6	629.5	740.3	842.6
47.5°	340.9	341.4	344.8	353.7	366.1	385.5	414.0	456.1	524.9	614.7	719.7
50°	311.3	316.2	317.3	324.3	334.1	348.3	372.0	407.7	464.2	543.1	639.6
52.5°	290.4	291.8	295.2	300.3	308.8	319.9	340.4	368.4	412.7	480.0	568.7
55°	259.7	259.7	263.1	267.0	271.9	281.9	295.5	316.2	349.8	402.0	475.5
57.5°	231.3	232.8	235.2	236.4	240.5	247.2	258.6	274.3	299.4	339.5	397.9
60°	212.4	215.1	214.8	217.2	220.9	226.0	235.8	248.5	270.9	303.1	352.3
62.5°	195.9	195.7	195.7	198.5	202.2	207.1	213.4	224.4	243.5	272.0	313.9
65°	168.7	168.1	170.2	172.1	173.3	176.9	181.7	191.5	204.2	225.5	257.9
67.5°	144.6	142.8	143.9	144.6	146.6	149.5	154.0	160.0	170.2	187.2	211.7
70°	128.0	126.5	126.2	126.8	128.7	130.8	134.1	139.9	149.2	163.0	180.9
72.5°	111.1	110.0	110.0	111.3	112.2	113.5	115.9	121.2	128.7	138.9	155.6
75°	86.7	86.7	86.7	87.1	88.0	89.2	91.0	93.7	99.5	106.8	118.0
77.5°	65.0	65.0	64.6	64.6	65.9	66.5	66.9	69.4	72.6	77.6	85.7
80°	50.9	49.4	50.1	50.9	51.6	51.9	52.8	53.4	56.2	58.9	64.6
82.5°	37.9	36.6	36.7	38.1	38.3	38.5	39.5	40.3	41.4	43.8	46.9
85°	20.0	20.0	20.4	20.4	20.6	20.4	21.2	21.5	21.5	23.1	24.9
87.5°	11.0	10.5	10.6	10.9	10.5	10.7	10.9	10.9	11.1	11.2	11.1
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°	20.6	20.4	20.2	20.0	19.9	19.4	18.5	17.6	16.7	15.8	14.5
95°	23.5	23.5	23.5	23.5	23.5	23.1	22.1	21.2	20.2	19.2	17.7
97.5°	25.5	25.3	25.3	25.1	25.0	24.3	23.2	22.2	21.1	20.0	29.9
100°	26.0	25.9	25.7	25.6	25.4	24.9	23.8	22.7	21.5	20.4	41.9
102.5°	26.5	26.2	26.0	25.7	25.5	27.1	30.5	33.9	37.3	40.7	64.2
105°	27.3	27.0	26.7	26.5	26.1	38.2	62.6	86.9	111.3	135.6	148.0
107.5°	85.6	103.9	122.3	140.7	159.0	177.1	195.0	212.9	230.8	248.6	246.6
110°	170.3	190.0	209.7	229.3	249.1	261.2	265.7	270.2	274.8	279.3	277.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	292.2	296.4	300.5	304.7	308.8	310.9	310.8	310.7	310.6	310.5	309.0
115°	364.2	363.6	363.1	362.5	361.9	361.0	359.7	358.2	356.9	355.5	354.3
117.5°	404.6	404.4	404.3	404.3	404.1	403.5	402.4	401.3	400.2	399.1	398.5
120°	432.3	432.3	432.3	432.3	432.3	431.7	430.6	429.5	428.4	427.3	426.9
122.5°	459.5	459.5	459.3	459.2	459.1	458.7	457.9	457.1	456.4	455.6	455.0
125°	498.0	497.6	497.4	497.1	496.9	496.5	496.3	496.0	495.7	495.4	494.9
127.5°	534.9	535.1	535.4	535.7	535.9	535.8	535.4	535.0	534.6	534.1	533.5
130°	558.6	558.9	559.2	559.4	559.8	559.6	559.0	558.5	557.9	557.4	556.8
132.5°	580.4	580.8	581.2	581.6	581.9	581.9	581.3	580.7	580.3	579.7	579.2
135°	613.8	614.2	614.6	615.0	615.4	615.4	615.0	614.6	614.2	613.8	613.2
137.5°	645.1	645.4	645.6	645.9	646.2	646.0	645.3	644.7	644.0	643.3	643.0
140°	663.9	664.2	664.5	664.7	665.0	664.9	664.3	663.8	663.2	662.7	662.3
142.5°	681.3	681.7	682.0	682.4	682.8	682.8	682.3	681.9	681.4	681.0	680.6
145°	707.9	707.9	707.9	707.9	707.9	707.7	707.5	707.2	706.9	706.6	706.4
147.5°	727.7	728.3	729.0	729.6	730.2	730.4	730.2	729.8	729.6	729.3	729.0
150°	742.6	743.0	743.4	743.8	744.3	744.3	744.0	743.7	743.5	743.2	742.9
152.5°	754.5	755.1	755.7	756.4	757.0	757.1	756.5	756.1	755.6	755.1	754.9
155°	771.0	771.9	772.7	773.6	774.4	774.4	773.7	773.1	772.4	771.7	771.5
157.5°	785.1	786.2	787.2	788.3	789.3	789.5	788.6	787.8	787.0	786.2	786.3
160°	794.0	795.0	795.9	796.9	797.8	797.9	797.1	796.2	795.4	794.6	794.7
162.5°	802.4	803.3	804.1	804.9	805.8	805.7	804.9	803.9	803.0	802.0	802.2
165°	812.5	813.5	814.4	815.5	816.4	816.3	815.2	814.1	813.0	811.9	812.1
167.5°	819.8	820.9	822.0	823.2	824.3	824.3	823.2	822.0	820.9	819.8	819.8
170°	824.3	825.5	826.5	827.6	828.7	828.7	827.6	826.5	825.5	824.3	824.3
172.5°	826.8	828.0	829.3	830.4	831.6	831.7	830.6	829.5	828.4	827.3	827.2
175°	830.5	831.6	832.7	833.9	834.9	835.0	834.0	833.1	832.1	831.2	831.0
177.5°	831.6	832.7	833.9	835.0	836.1	836.1	835.3	834.4	833.5	832.6	832.5
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	645.6	643.7	641.7	638.3	635.4	631.3	630.1	628.7	624.3	620.4	617.5
5°	685.1	677.8	667.2	657.4	649.6	639.0	632.9	626.5	617.4	609.3	602.5
7.5°	726.4	712.0	695.5	677.7	661.1	645.0	632.1	620.6	607.8	595.7	586.4
10°	759.1	738.5	715.4	690.5	669.3	648.6	631.4	616.2	599.8	585.6	573.7
12.5°	796.5	765.9	734.1	703.9	678.7	650.1	629.2	609.9	591.4	574.2	560.9
15°	840.7	801.9	764.3	722.7	684.4	648.6	623.8	599.5	578.0	560.4	543.4
17.5°	881.0	837.0	787.4	736.9	690.8	648.3	613.5	586.1	559.1	537.6	520.6
20°	903.8	853.7	797.6	745.1	694.2	646.8	608.6	575.8	546.8	523.9	504.9
22.5°	923.5	864.9	806.8	750.8	694.0	642.9	599.7	565.9	534.3	512.1	491.8
25°	943.9	873.8	815.6	749.7	686.3	633.5	584.9	546.8	515.2	489.1	468.2
27.5°	961.4	873.2	804.1	733.2	674.3	621.4	569.6	528.5	495.0	466.7	445.4
30°	973.0	874.4	792.2	722.1	662.7	608.0	557.6	516.4	481.2	452.3	432.4
32.5°	980.3	873.7	781.3	706.5	644.2	595.9	544.8	502.1	465.9	437.6	418.3
35°	984.5	868.3	762.5	674.5	614.4	567.4	524.6	480.3	442.4	416.0	394.1
37.5°	976.0	857.1	740.6	643.5	577.7	531.5	495.4	457.7	421.4	392.4	373.5
40°	962.7	849.9	723.6	621.7	552.5	507.9	477.3	440.2	404.4	376.8	359.3
42.5°	937.2	835.0	705.0	597.4	526.2	481.6	453.4	422.6	388.6	362.7	345.2
45°	875.0	802.8	676.9	561.0	487.6	441.5	416.6	394.1	363.5	338.3	323.1
47.5°	788.7	754.3	636.4	522.6	447.2	402.8	376.9	358.9	336.4	316.2	301.6
50°	728.8	714.5	609.0	496.4	420.2	376.8	352.0	335.6	319.5	299.1	285.8
52.5°	659.6	668.4	576.9	469.2	392.8	350.1	326.7	313.7	299.1	282.4	270.8
55°	562.2	594.1	521.6	423.6	352.0	311.3	289.1	277.6	269.1	256.7	246.7
57.5°	471.0	511.5	461.7	376.5	311.8	276.8	255.6	243.0	237.5	231.0	223.2
60°	416.8	456.9	419.0	345.0	284.9	251.5	232.7	222.1	216.7	212.1	205.4
62.5°	368.6	409.1	377.2	312.9	258.4	227.5	211.1	200.7	196.5	194.1	188.4
65°	302.2	337.1	315.8	263.1	220.5	193.3	178.4	171.1	167.2	166.3	162.6
67.5°	246.0	272.5	257.1	218.2	184.7	161.1	148.5	142.4	139.3	139.0	136.3
70°	209.1	233.9	222.1	186.9	158.0	139.6	128.7	123.2	121.4	121.0	119.5
72.5°	180.4	197.7	188.4	159.0	136.7	119.9	111.9	106.2	104.1	104.6	103.5
75°	133.5	146.6	141.1	120.7	102.8	91.9	85.2	81.6	79.8	80.7	79.5
77.5°	96.1	104.3	99.4	85.3	74.3	66.4	61.5	59.3	57.6	57.5	57.0
80°	72.5	77.4	74.6	66.1	57.0	50.4	46.4	44.9	44.0	43.7	43.4
82.5°	51.7	55.8	52.5	46.7	40.6	36.5	34.3	32.3	31.6	31.8	31.5
85°	26.1	27.6	26.4	22.7	20.4	18.5	17.3	16.4	15.8	16.1	15.4
87.5°	11.2	11.1	10.1	8.7	8.0	7.0	6.7	5.9	5.7	6.0	6.0
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°	13.2	11.8	10.5	10.0	10.4	10.8	11.2	11.5	11.2	10.8	10.4
95°	16.2	14.7	13.2	15.2	20.8	26.5	32.2	37.8	32.2	26.5	20.8
97.5°	39.8	49.7	59.6	65.8	68.4	70.9	73.4	75.9	73.4	70.9	68.4
100°	63.4	84.8	106.3	115.7	112.9	110.2	107.4	104.6	107.4	110.2	112.9
102.5°	87.6	111.1	134.6	145.3	143.3	141.3	139.3	137.4	139.3	141.3	143.3
105°	160.4	172.8	185.2	190.6	189.1	187.6	186.1	184.6	186.1	187.6	189.1
107.5°	244.7	242.7	240.7	239.2	238.0	236.8	235.6	234.3	235.6	236.8	238.0
110°	276.3	274.8	273.2	272.0	270.8	269.7	268.6	267.5	268.6	269.7	270.8





TEST NUMBER: P331928-927

CATALOG NUMBER: S123DIP-S560D805U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	307.5	306.0	304.4	303.2	302.2	301.3	300.2	299.3	300.2	301.3	302.2
115°	353.0	351.8	350.5	349.5	348.7	347.8	347.1	346.2	347.1	347.8	348.7
117.5°	397.8	397.2	396.6	395.7	394.7	393.7	392.7	391.7	392.7	393.7	394.7
120°	426.5	426.1	425.7	424.8	423.6	422.4	421.1	419.9	421.1	422.4	423.6
122.5°	454.6	454.0	453.4	452.7	451.7	450.7	449.6	448.6	449.6	450.7	451.7
125°	494.3	493.8	493.3	492.4	491.3	490.2	489.1	488.1	489.1	490.2	491.3
127.5°	532.8	532.1	531.5	530.6	529.5	528.4	527.3	526.2	527.3	528.4	529.5
130°	556.3	555.7	555.2	554.4	553.3	552.2	551.0	549.9	551.0	552.2	553.3
132.5°	578.8	578.4	577.9	577.2	576.1	575.0	573.9	572.7	573.9	575.0	576.1
135°	612.7	612.1	611.6	610.9	610.1	609.2	608.4	607.5	608.4	609.2	610.1
137.5°	642.8	642.5	642.1	641.4	640.4	639.4	638.3	637.3	638.3	639.4	640.4
140°	661.9	661.5	661.0	660.4	659.6	658.8	657.9	657.1	657.9	658.8	659.6
142.5°	680.2	679.8	679.4	678.7	677.9	677.1	676.3	675.4	676.3	677.1	677.9
145°	706.1	705.8	705.5	705.0	703.9	703.0	702.0	701.1	702.0	703.0	703.9
147.5°	728.7	728.5	728.3	727.8	727.1	726.5	725.9	725.2	725.9	726.5	727.1
150°	742.7	742.4	742.1	741.7	741.3	740.9	740.5	740.1	740.5	740.9	741.3
152.5°	754.7	754.6	754.4	754.2	754.1	753.8	753.7	753.4	753.7	753.8	754.1
155°	771.4	771.3	771.1	771.2	771.5	771.7	772.1	772.3	772.1	771.7	771.5
157.5°	786.5	786.6	786.7	786.8	786.8	786.9	786.9	786.9	786.9	786.9	786.8
160°	794.9	795.0	795.1	795.3	795.4	795.6	795.7	795.8	795.7	795.6	795.4
162.5°	802.3	802.4	802.6	802.8	803.2	803.5	803.9	804.2	803.9	803.5	803.2
165°	812.2	812.4	812.5	812.8	813.2	813.6	814.0	814.4	814.0	813.6	813.2
167.5°	819.8	819.8	819.8	820.1	820.7	821.3	821.8	822.4	821.8	821.3	820.7
170°	824.3	824.3	824.3	824.6	825.1	825.7	826.2	826.8	826.2	825.7	825.1
172.5°	827.0	827.0	826.9	827.1	827.8	828.5	829.1	829.7	829.1	828.5	827.8
175°	830.8	830.7	830.6	830.8	831.6	832.3	832.9	833.6	832.9	832.3	831.6
177.5°	832.4	832.3	832.2	832.4	833.0	833.5	834.1	834.6	834.1	833.5	833.0
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



TEST NUMBER: P331928-927

CATALOG NUMBER: S123DIP-S560D805U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	615.8	614.1	611.6	608.0	605.1	600.5	600.5	601.2	601.2	600.9	600.5
5°	597.1	592.6	587.1	580.7	574.0	567.4	566.2	563.7	561.9	560.7	559.2
7.5°	577.3	569.3	561.3	552.5	544.3	537.6	532.9	529.0	526.5	523.9	521.9
10°	564.0	554.0	544.6	535.2	524.9	516.7	511.5	507.9	505.2	502.7	501.5
12.5°	548.3	536.8	526.4	517.5	506.2	497.7	492.8	491.2	487.9	482.8	480.1
15°	525.2	514.6	502.2	488.5	483.0	472.7	466.9	464.2	462.4	458.4	457.2
17.5°	505.5	491.5	477.6	467.4	457.2	448.9	445.7	442.3	439.9	436.7	435.7
20°	489.7	477.3	464.5	453.6	443.0	433.9	431.1	428.7	426.3	424.8	423.6
22.5°	473.6	461.2	450.7	440.5	429.1	423.2	420.2	417.6	415.8	414.8	413.6
25°	451.1	440.2	428.4	419.3	410.2	406.2	404.4	402.9	401.7	400.2	399.9
27.5°	431.0	419.1	409.6	401.0	394.5	391.2	389.4	388.7	389.0	389.5	389.8
30°	416.0	405.0	397.1	389.8	383.8	380.8	380.5	380.5	381.7	382.0	382.6
32.5°	402.1	393.2	385.2	378.2	373.6	371.5	372.7	372.7	373.7	374.5	375.6
35°	382.0	374.1	368.0	361.9	358.0	358.9	359.5	360.1	361.6	363.5	364.7
37.5°	362.7	355.9	349.6	344.8	343.0	344.7	346.1	347.4	349.2	350.5	351.7
40°	348.9	343.7	337.7	333.4	334.1	334.9	336.2	337.7	339.2	340.1	341.4
42.5°	336.0	330.7	326.1	322.5	323.4	324.6	325.3	326.1	327.8	329.5	330.2
45°	316.5	312.2	307.9	305.9	306.4	307.0	307.7	308.6	310.1	311.3	311.6
47.5°	294.5	291.4	288.6	286.5	287.5	287.2	288.0	290.0	290.5	291.2	292.9
50°	280.4	277.6	274.3	273.7	273.7	273.7	273.9	276.4	276.4	277.6	278.8
52.5°	264.8	263.1	260.9	259.8	259.4	259.4	260.6	261.8	262.3	264.0	265.2
55°	241.8	240.0	238.2	237.3	236.6	237.3	239.7	240.3	241.8	242.7	243.6
57.5°	217.9	216.4	215.0	214.5	214.4	215.2	216.5	218.3	218.7	221.5	222.8
60°	202.1	199.9	198.8	198.8	198.1	200.8	200.3	203.3	203.9	205.7	207.9
62.5°	185.8	182.9	182.4	182.4	183.3	184.1	185.0	186.3	187.9	190.2	191.8
65°	159.6	158.0	160.2	159.9	159.3	161.1	161.1	162.6	164.5	166.6	169.9
67.5°	134.8	134.0	134.2	134.2	135.1	136.1	137.0	138.3	140.5	142.8	144.9
70°	118.0	118.9	117.4	118.7	119.5	119.9	120.4	122.2	124.7	126.2	128.7
72.5°	101.8	101.7	101.9	102.3	103.3	103.9	104.4	106.5	109.2	110.4	112.4
75°	78.3	78.0	78.9	78.9	80.4	81.0	81.6	82.5	84.9	86.7	88.3
77.5°	57.2	57.5	57.4	58.4	58.0	58.1	60.0	60.8	61.1	64.7	65.5
80°	43.1	43.7	44.0	44.3	44.6	44.0	46.1	47.1	47.1	49.1	50.7
82.5°	31.0	31.3	32.1	32.4	32.5	33.0	33.3	33.9	34.6	35.6	37.5
85°	15.4	16.4	16.7	16.4	16.7	16.1	17.0	17.3	17.6	17.6	17.6
87.5°	6.1	6.7	6.7	7.4	7.4	8.1	8.2	7.8	7.9	8.7	7.8
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°	10.0	10.5	11.8	13.2	14.5	15.8	16.7	17.6	18.5	19.4	19.9
95°	15.2	13.2	14.7	16.2	17.7	19.2	20.2	21.2	22.1	23.1	23.5
97.5°	65.8	59.6	49.7	39.8	29.9	20.0	21.1	22.2	23.2	24.3	25.0
100°	115.7	106.3	84.8	63.4	41.9	20.4	21.5	22.7	23.8	24.9	25.4
102.5°	145.3	134.6	111.1	87.6	64.2	40.7	37.3	33.9	30.5	27.1	25.5
105°	190.6	185.2	172.8	160.4	148.0	135.6	111.3	86.9	62.6	38.2	26.1
107.5°	239.2	240.7	242.7	244.7	246.6	248.6	230.8	212.9	195.0	177.1	159.0
110°	272.0	273.2	274.8	276.3	277.8	279.3	274.8	270.2	265.7	261.2	249.1



TEST NUMBER: P331928-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	303.2	304.4	306.0	307.5	309.0	310.5	310.6	310.7	310.8	310.9	308.8
115°	349.5	350.5	351.8	353.0	354.3	355.5	356.9	358.2	359.7	361.0	361.9
117.5°	395.7	396.6	397.2	397.8	398.5	399.1	400.2	401.3	402.4	403.5	404.1
120°	424.8	425.7	426.1	426.5	426.9	427.3	428.4	429.5	430.6	431.7	432.3
122.5°	452.7	453.4	454.0	454.6	455.0	455.6	456.4	457.1	457.9	458.7	459.1
125°	492.4	493.3	493.8	494.3	494.9	495.4	495.7	496.0	496.3	496.5	496.9
127.5°	530.6	531.5	532.1	532.8	533.5	534.1	534.6	535.0	535.4	535.8	535.9
130°	554.4	555.2	555.7	556.3	556.8	557.4	557.9	558.5	559.0	559.6	559.8
132.5°	577.2	577.9	578.4	578.8	579.2	579.7	580.3	580.7	581.3	581.9	581.9
135°	610.9	611.6	612.1	612.7	613.2	613.8	614.2	614.6	615.0	615.4	615.4
137.5°	641.4	642.1	642.5	642.8	643.0	643.3	644.0	644.7	645.3	646.0	646.2
140°	660.4	661.0	661.5	661.9	662.3	662.7	663.2	663.8	664.3	664.9	665.0
142.5°	678.7	679.4	679.8	680.2	680.6	681.0	681.4	681.9	682.3	682.8	682.8
145°	705.0	705.5	705.8	706.1	706.4	706.6	706.9	707.2	707.5	707.7	707.9
147.5°	727.8	728.3	728.5	728.7	729.0	729.3	729.6	729.8	730.2	730.4	730.2
150°	741.7	742.1	742.4	742.7	742.9	743.2	743.5	743.7	744.0	744.3	744.3
152.5°	754.2	754.4	754.6	754.7	754.9	755.1	755.6	756.1	756.5	757.1	757.0
155°	771.2	771.1	771.3	771.4	771.5	771.7	772.4	773.1	773.7	774.4	774.4
157.5°	786.8	786.7	786.6	786.5	786.3	786.2	787.0	787.8	788.6	789.5	789.3
160°	795.3	795.1	795.0	794.9	794.7	794.6	795.4	796.2	797.1	797.9	797.8
162.5°	802.8	802.6	802.4	802.3	802.2	802.0	803.0	803.9	804.9	805.7	805.8
165°	812.8	812.5	812.4	812.2	812.1	811.9	813.0	814.1	815.2	816.3	816.4
167.5°	820.1	819.8	819.8	819.8	819.8	819.8	820.9	822.0	823.2	824.3	824.3
170°	824.6	824.3	824.3	824.3	824.3	824.3	825.5	826.5	827.6	828.7	828.7
172.5°	827.1	826.9	827.0	827.0	827.2	827.3	828.4	829.5	830.6	831.7	831.6
175°	830.8	830.6	830.7	830.8	831.0	831.2	832.1	833.1	834.0	835.0	834.9
177.5°	832.4	832.2	832.3	832.4	832.5	832.6	833.5	834.4	835.3	836.1	836.1
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



TEST NUMBER: P331928-927

CATALOG NUMBER: S123DIP-S560D805U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	598.8	598.6	600.2	599.0	600.2	598.6	598.8	600.5	600.9	601.2	601.2
5°	557.4	558.3	555.2	555.2	555.2	558.3	557.4	559.2	560.7	561.9	563.7
7.5°	520.5	519.1	519.3	517.6	519.3	519.1	520.5	521.9	523.9	526.5	529.0
10°	497.9	496.1	495.4	495.7	495.4	496.1	497.9	501.5	502.7	505.2	507.9
12.5°	479.2	478.8	474.8	474.9	474.8	478.8	479.2	480.1	482.8	487.9	491.2
15°	457.2	451.5	450.8	452.7	450.8	451.5	457.2	457.2	458.4	462.4	464.2
17.5°	435.2	432.1	432.4	431.4	432.4	432.1	435.2	435.7	436.7	439.9	442.3
20°	423.6	421.8	421.4	419.3	421.4	421.8	423.6	423.6	424.8	426.3	428.7
22.5°	412.9	412.3	412.4	410.1	412.4	412.3	412.9	413.6	414.8	415.8	417.6
25°	399.6	401.1	399.9	399.9	399.9	401.1	399.6	399.9	400.2	401.7	402.9
27.5°	390.6	390.5	389.9	389.9	389.9	390.5	390.6	389.8	389.5	389.0	388.7
30°	383.8	383.5	384.1	384.1	384.1	383.5	383.8	382.6	382.0	381.7	380.5
32.5°	377.0	377.4	377.6	377.8	377.6	377.4	377.0	375.6	374.5	373.7	372.7
35°	366.5	366.8	367.7	367.1	367.7	366.8	366.5	364.7	363.5	361.6	360.1
37.5°	352.3	353.7	353.4	353.9	353.4	353.7	352.3	351.7	350.5	349.2	347.4
40°	341.7	342.5	342.2	342.2	342.2	342.5	341.7	341.4	340.1	339.2	337.7
42.5°	330.7	331.4	330.6	330.1	330.6	331.4	330.7	330.2	329.5	327.8	326.1
45°	312.8	312.2	313.1	311.9	313.1	312.2	312.8	311.6	311.3	310.1	308.6
47.5°	292.8	293.4	293.7	294.5	293.7	293.4	292.8	292.9	291.2	290.5	290.0
50°	279.4	281.2	281.2	281.0	281.2	281.2	279.4	278.8	277.6	276.4	276.4
52.5°	266.3	267.2	268.4	268.3	268.4	267.2	266.3	265.2	264.0	262.3	261.8
55°	246.1	246.7	247.2	247.6	247.2	246.7	246.1	243.6	242.7	241.8	240.3
57.5°	225.1	224.8	226.2	226.7	226.2	224.8	225.1	222.8	221.5	218.7	218.3
60°	210.2	210.2	212.7	213.6	212.7	210.2	210.2	207.9	205.7	203.9	203.3
62.5°	194.5	195.4	197.9	196.6	197.9	195.4	194.5	191.8	190.2	187.9	186.3
65°	171.4	173.9	173.6	174.8	173.6	173.9	171.4	169.9	166.6	164.5	162.6
67.5°	147.3	148.9	151.1	151.2	151.1	148.9	147.3	144.9	142.8	140.5	138.3
70°	131.1	132.6	133.8	134.7	133.8	132.6	131.1	128.7	126.2	124.7	122.2
72.5°	115.3	116.1	119.0	117.7	119.0	116.1	115.3	112.4	110.4	109.2	106.5
75°	90.4	92.5	94.3	93.5	94.3	92.5	90.4	88.3	86.7	84.9	82.5
77.5°	66.9	69.0	69.9	69.1	69.9	69.0	66.9	65.5	64.7	61.1	60.8
80°	52.8	52.5	54.3	54.0	54.3	52.5	52.8	50.7	49.1	47.1	47.1
82.5°	38.7	38.4	39.3	39.5	39.3	38.4	38.7	37.5	35.6	34.6	33.9
85°	18.8	19.7	18.5	18.2	18.5	19.7	18.8	17.6	17.6	17.6	17.3
87.5°	7.9	8.0	7.8	7.6	7.8	8.0	7.9	7.8	8.7	7.9	7.8
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°	20.0	20.2	20.4	20.6	20.4	20.2	20.0	19.9	19.4	18.5	17.6
95°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.1	22.1	21.2
97.5°	25.1	25.3	25.3	25.5	25.3	25.3	25.1	25.0	24.3	23.2	22.2
100°	25.6	25.7	25.9	26.0	25.9	25.7	25.6	25.4	24.9	23.8	22.7
102.5°	25.7	26.0	26.2	26.5	26.2	26.0	25.7	25.5	27.1	30.5	33.9
105°	26.5	26.7	27.0	27.3	27.0	26.7	26.5	26.1	38.2	62.6	86.9
107.5°	140.7	122.3	103.9	85.6	103.9	122.3	140.7	159.0	177.1	195.0	212.9
110°	229.3	209.7	190.0	170.3	190.0	209.7	229.3	249.1	261.2	265.7	270.2



TEST NUMBER: P331928-927

CATALOG NUMBER: S123DIP-S560D805U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	304.7	300.5	296.4	292.2	296.4	300.5	304.7	308.8	310.9	310.8	310.7
115°	362.5	363.1	363.6	364.2	363.6	363.1	362.5	361.9	361.0	359.7	358.2
117.5°	404.3	404.3	404.4	404.6	404.4	404.3	404.3	404.1	403.5	402.4	401.3
120°	432.3	432.3	432.3	432.3	432.3	432.3	432.3	432.3	431.7	430.6	429.5
122.5°	459.2	459.3	459.5	459.5	459.5	459.3	459.2	459.1	458.7	457.9	457.1
125°	497.1	497.4	497.6	498.0	497.6	497.4	497.1	496.9	496.5	496.3	496.0
127.5°	535.7	535.4	535.1	534.9	535.1	535.4	535.7	535.9	535.8	535.4	535.0
130°	559.4	559.2	558.9	558.6	558.9	559.2	559.4	559.8	559.6	559.0	558.5
132.5°	581.6	581.2	580.8	580.4	580.8	581.2	581.6	581.9	581.9	581.3	580.7
135°	615.0	614.6	614.2	613.8	614.2	614.6	615.0	615.4	615.4	615.0	614.6
137.5°	645.9	645.6	645.4	645.1	645.4	645.6	645.9	646.2	646.0	645.3	644.7
140°	664.7	664.5	664.2	663.9	664.2	664.5	664.7	665.0	664.9	664.3	663.8
142.5°	682.4	682.0	681.7	681.3	681.7	682.0	682.4	682.8	682.8	682.3	681.9
145°	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.7	707.5	707.2
147.5°	729.6	729.0	728.3	727.7	728.3	729.0	729.6	730.2	730.4	730.2	729.8
150°	743.8	743.4	743.0	742.6	743.0	743.4	743.8	744.3	744.3	744.0	743.7
152.5°	756.4	755.7	755.1	754.5	755.1	755.7	756.4	757.0	757.1	756.5	756.1
155°	773.6	772.7	771.9	771.0	771.9	772.7	773.6	774.4	774.4	773.7	773.1
157.5°	788.3	787.2	786.2	785.1	786.2	787.2	788.3	789.3	789.5	788.6	787.8
160°	796.9	795.9	795.0	794.0	795.0	795.9	796.9	797.8	797.9	797.1	796.2
162.5°	804.9	804.1	803.3	802.4	803.3	804.1	804.9	805.8	805.7	804.9	803.9
165°	815.5	814.4	813.5	812.5	813.5	814.4	815.5	816.4	816.3	815.2	814.1
167.5°	823.2	822.0	820.9	819.8	820.9	822.0	823.2	824.3	824.3	823.2	822.0
170°	827.6	826.5	825.5	824.3	825.5	826.5	827.6	828.7	828.7	827.6	826.5
172.5°	830.4	829.3	828.0	826.8	828.0	829.3	830.4	831.6	831.7	830.6	829.5
175°	833.9	832.7	831.6	830.5	831.6	832.7	833.9	834.9	835.0	834.0	833.1
177.5°	835.0	833.9	832.7	831.6	832.7	833.9	835.0	836.1	836.1	835.3	834.4
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



TEST NUMBER: P331928-927

CATALOG NUMBER: S123DIP-S560D805U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	600.5	600.5	605.1	608.0	611.6	614.1	615.8	617.5	620.4	624.3	628.7
5°	566.2	567.4	574.0	580.7	587.1	592.6	597.1	602.5	609.3	617.4	626.5
7.5°	532.9	537.6	544.3	552.5	561.3	569.3	577.3	586.4	595.7	607.8	620.6
10°	511.5	516.7	524.9	535.2	544.6	554.0	564.0	573.7	585.6	599.8	616.2
12.5°	492.8	497.7	506.2	517.5	526.4	536.8	548.3	560.9	574.2	591.4	609.9
15°	466.9	472.7	483.0	488.5	502.2	514.6	525.2	543.4	560.4	578.0	599.5
17.5°	445.7	448.9	457.2	467.4	477.6	491.5	505.5	520.6	537.6	559.1	586.1
20°	431.1	433.9	443.0	453.6	464.5	477.3	489.7	504.9	523.9	546.8	575.8
22.5°	420.2	423.2	429.1	440.5	450.7	461.2	473.6	491.8	512.1	534.3	565.9
25°	404.4	406.2	410.2	419.3	428.4	440.2	451.1	468.2	489.1	515.2	546.8
27.5°	389.4	391.2	394.5	401.0	409.6	419.1	431.0	445.4	466.7	495.0	528.5
30°	380.5	380.8	383.8	389.8	397.1	405.0	416.0	432.4	452.3	481.2	516.4
32.5°	372.7	371.5	373.6	378.2	385.2	393.2	402.1	418.3	437.6	465.9	502.1
35°	359.5	358.9	358.0	361.9	368.0	374.1	382.0	394.1	416.0	442.4	480.3
37.5°	346.1	344.7	343.0	344.8	349.6	355.9	362.7	373.5	392.4	421.4	457.7
40°	336.2	334.9	334.1	333.4	337.7	343.7	348.9	359.3	376.8	404.4	440.2
42.5°	325.3	324.6	323.4	322.5	326.1	330.7	336.0	345.2	362.7	388.6	422.6
45°	307.7	307.0	306.4	305.9	307.9	312.2	316.5	323.1	338.3	363.5	394.1
47.5°	288.0	287.2	287.5	286.5	288.6	291.4	294.5	301.6	316.2	336.4	358.9
50°	273.9	273.7	273.7	273.7	274.3	277.6	280.4	285.8	299.1	319.5	335.6
52.5°	260.6	259.4	259.4	259.8	260.9	263.1	264.8	270.8	282.4	299.1	313.7
55°	239.7	237.3	236.6	237.3	238.2	240.0	241.8	246.7	256.7	269.1	277.6
57.5°	216.5	215.2	214.4	214.5	215.0	216.4	217.9	223.2	231.0	237.5	243.0
60°	200.3	200.8	198.1	198.8	198.8	199.9	202.1	205.4	212.1	216.7	222.1
62.5°	185.0	184.1	183.3	182.4	182.4	182.9	185.8	188.4	194.1	196.5	200.7
65°	161.1	161.1	159.3	159.9	160.2	158.0	159.6	162.6	166.3	167.2	171.1
67.5°	137.0	136.1	135.1	134.2	134.2	134.0	134.8	136.3	139.0	139.3	142.4
70°	120.4	119.9	119.5	118.7	117.4	118.9	118.0	119.5	121.0	121.4	123.2
72.5°	104.4	103.9	103.3	102.3	101.9	101.7	101.8	103.5	104.6	104.1	106.2
75°	81.6	81.0	80.4	78.9	78.9	78.0	78.3	79.5	80.7	79.8	81.6
77.5°	60.0	58.1	58.0	58.4	57.4	57.5	57.2	57.0	57.5	57.6	59.3
80°	46.1	44.0	44.6	44.3	44.0	43.7	43.1	43.4	43.7	44.0	44.9
82.5°	33.3	33.0	32.5	32.4	32.1	31.3	31.0	31.5	31.8	31.6	32.3
85°	17.0	16.1	16.7	16.4	16.7	16.4	15.4	15.4	16.1	15.8	16.4
87.5°	8.2	8.1	7.4	7.4	6.7	6.7	6.1	6.0	6.0	5.7	5.9
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°	16.7	15.8	14.5	13.2	11.8	10.5	10.0	10.4	10.8	11.2	11.5
95°	20.2	19.2	17.7	16.2	14.7	13.2	15.2	20.8	26.5	32.2	37.8
97.5°	21.1	20.0	29.9	39.8	49.7	59.6	65.8	68.4	70.9	73.4	75.9
100°	21.5	20.4	41.9	63.4	84.8	106.3	115.7	112.9	110.2	107.4	104.6
102.5°	37.3	40.7	64.2	87.6	111.1	134.6	145.3	143.3	141.3	139.3	137.4
105°	111.3	135.6	148.0	160.4	172.8	185.2	190.6	189.1	187.6	186.1	184.6
107.5°	230.8	248.6	246.6	244.7	242.7	240.7	239.2	238.0	236.8	235.6	234.3
110°	274.8	279.3	277.8	276.3	274.8	273.2	272.0	270.8	269.7	268.6	267.5



TEST NUMBER: P331928-927

CATALOG NUMBER: S123DIP-S560D805U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	310.6	310.5	309.0	307.5	306.0	304.4	303.2	302.2	301.3	300.2	299.3
115°	356.9	355.5	354.3	353.0	351.8	350.5	349.5	348.7	347.8	347.1	346.2
117.5°	400.2	399.1	398.5	397.8	397.2	396.6	395.7	394.7	393.7	392.7	391.7
120°	428.4	427.3	426.9	426.5	426.1	425.7	424.8	423.6	422.4	421.1	419.9
122.5°	456.4	455.6	455.0	454.6	454.0	453.4	452.7	451.7	450.7	449.6	448.6
125°	495.7	495.4	494.9	494.3	493.8	493.3	492.4	491.3	490.2	489.1	488.1
127.5°	534.6	534.1	533.5	532.8	532.1	531.5	530.6	529.5	528.4	527.3	526.2
130°	557.9	557.4	556.8	556.3	555.7	555.2	554.4	553.3	552.2	551.0	549.9
132.5°	580.3	579.7	579.2	578.8	578.4	577.9	577.2	576.1	575.0	573.9	572.7
135°	614.2	613.8	613.2	612.7	612.1	611.6	610.9	610.1	609.2	608.4	607.5
137.5°	644.0	643.3	643.0	642.8	642.5	642.1	641.4	640.4	639.4	638.3	637.3
140°	663.2	662.7	662.3	661.9	661.5	661.0	660.4	659.6	658.8	657.9	657.1
142.5°	681.4	681.0	680.6	680.2	679.8	679.4	678.7	677.9	677.1	676.3	675.4
145°	706.9	706.6	706.4	706.1	705.8	705.5	705.0	703.9	703.0	702.0	701.1
147.5°	729.6	729.3	729.0	728.7	728.5	728.3	727.8	727.1	726.5	725.9	725.2
150°	743.5	743.2	742.9	742.7	742.4	742.1	741.7	741.3	740.9	740.5	740.1
152.5°	755.6	755.1	754.9	754.7	754.6	754.4	754.2	754.1	753.8	753.7	753.4
155°	772.4	771.7	771.5	771.4	771.3	771.1	771.2	771.5	771.7	772.1	772.3
157.5°	787.0	786.2	786.3	786.5	786.6	786.7	786.8	786.8	786.9	786.9	786.9
160°	795.4	794.6	794.7	794.9	795.0	795.1	795.3	795.4	795.6	795.7	795.8
162.5°	803.0	802.0	802.2	802.3	802.4	802.6	802.8	803.2	803.5	803.9	804.2
165°	813.0	811.9	812.1	812.2	812.4	812.5	812.8	813.2	813.6	814.0	814.4
167.5°	820.9	819.8	819.8	819.8	819.8	819.8	820.1	820.7	821.3	821.8	822.4
170°	825.5	824.3	824.3	824.3	824.3	824.3	824.6	825.1	825.7	826.2	826.8
172.5°	828.4	827.3	827.2	827.0	827.0	826.9	827.1	827.8	828.5	829.1	829.7
175°	832.1	831.2	831.0	830.8	830.7	830.6	830.8	831.6	832.3	832.9	833.6
177.5°	833.5	832.6	832.5	832.4	832.3	832.2	832.4	833.0	833.5	834.1	834.6
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



TEST NUMBER: P331928-927

CATALOG NUMBER: S123DIP-S560D805U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	630.1	631.3	635.4	638.3	641.7	643.7	645.6	647.1	649.0	649.5	656.6
5°	632.9	639.0	649.6	657.4	667.2	677.8	685.1	688.4	697.2	704.5	719.1
7.5°	632.1	645.0	661.1	677.7	695.5	712.0	726.4	743.3	755.4	773.6	791.5
10°	631.4	648.6	669.3	690.5	715.4	738.5	759.1	782.2	801.3	826.5	848.0
12.5°	629.2	650.1	678.7	703.9	734.1	765.9	796.5	826.1	843.0	884.9	904.8
15°	623.8	648.6	684.4	722.7	764.3	801.9	840.7	871.6	921.7	958.5	981.8
17.5°	613.5	648.3	690.8	736.9	787.4	837.0	881.0	928.0	981.1	1025.5	1072.9
20°	608.6	646.8	694.2	745.1	797.6	853.7	903.8	960.3	1018.2	1061.9	1122.6
22.5°	599.7	642.9	694.0	750.8	806.8	864.9	923.5	980.4	1047.3	1107.6	1165.3
25°	584.9	633.5	686.3	749.7	815.6	873.8	943.9	1019.5	1089.3	1166.6	1224.2
27.5°	569.6	621.4	674.3	733.2	804.1	873.2	961.4	1046.7	1132.0	1198.9	1241.5
30°	557.6	608.0	662.7	722.1	792.2	874.4	973.0	1066.1	1149.3	1206.7	1230.6
32.5°	544.8	595.9	644.2	706.5	781.3	873.7	980.3	1077.5	1150.2	1188.4	1183.8
35°	524.6	567.4	614.4	674.5	762.5	868.3	984.5	1078.6	1123.2	1115.0	1053.1
37.5°	495.4	531.5	577.7	643.5	740.6	857.1	976.0	1046.6	1043.7	977.0	887.3
40°	477.3	507.9	552.5	621.7	723.6	849.9	962.7	1008.5	969.7	876.5	769.1
42.5°	453.4	481.6	526.2	597.4	705.0	835.0	937.2	950.5	874.5	767.3	668.9
45°	416.6	441.5	487.6	561.0	676.9	802.8	875.0	842.6	740.3	629.5	554.6
47.5°	376.9	402.8	447.2	522.6	636.4	754.3	788.7	719.7	614.7	524.9	456.1
50°	352.0	376.8	420.2	496.4	609.0	714.5	728.8	639.6	543.1	464.2	407.7
52.5°	326.7	350.1	392.8	469.2	576.9	668.4	659.6	568.7	480.0	412.7	368.4
55°	289.1	311.3	352.0	423.6	521.6	594.1	562.2	475.5	402.0	349.8	316.2
57.5°	255.6	276.8	311.8	376.5	461.7	511.5	471.0	397.9	339.5	299.4	274.3
60°	232.7	251.5	284.9	345.0	419.0	456.9	416.8	352.3	303.1	270.9	248.5
62.5°	211.1	227.5	258.4	312.9	377.2	409.1	368.6	313.9	272.0	243.5	224.4
65°	178.4	193.3	220.5	263.1	315.8	337.1	302.2	257.9	225.5	204.2	191.5
67.5°	148.5	161.1	184.7	218.2	257.1	272.5	246.0	211.7	187.2	170.2	160.0
70°	128.7	139.6	158.0	186.9	222.1	233.9	209.1	180.9	163.0	149.2	139.9
72.5°	111.9	119.9	136.7	159.0	188.4	197.7	180.4	155.6	138.9	128.7	121.2
75°	85.2	91.9	102.8	120.7	141.1	146.6	133.5	118.0	106.8	99.5	93.7
77.5°	61.5	66.4	74.3	85.3	99.4	104.3	96.1	85.7	77.6	72.6	69.4
80°	46.4	50.4	57.0	66.1	74.6	77.4	72.5	64.6	58.9	56.2	53.4
82.5°	34.3	36.5	40.6	46.7	52.5	55.8	51.7	46.9	43.8	41.4	40.3
85°	17.3	18.5	20.4	22.7	26.4	27.6	26.1	24.9	23.1	21.5	21.5
87.5°	6.7	7.0	8.0	8.7	10.1	11.1	11.2	11.1	11.2	11.1	10.9
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°	11.2	10.8	10.4	10.0	10.5	11.8	13.2	14.5	15.8	16.7	17.6
95°	32.2	26.5	20.8	15.2	13.2	14.7	16.2	17.7	19.2	20.2	21.2
97.5°	73.4	70.9	68.4	65.8	59.6	49.7	39.8	29.9	20.0	21.1	22.2
100°	107.4	110.2	112.9	115.7	106.3	84.8	63.4	41.9	20.4	21.5	22.7
102.5°	139.3	141.3	143.3	145.3	134.6	111.1	87.6	64.2	40.7	37.3	33.9
105°	186.1	187.6	189.1	190.6	185.2	172.8	160.4	148.0	135.6	111.3	86.9
107.5°	235.6	236.8	238.0	239.2	240.7	242.7	244.7	246.6	248.6	230.8	212.9
110°	268.6	269.7	270.8	272.0	273.2	274.8	276.3	277.8	279.3	274.8	270.2





TEST NUMBER: P331928-927

CATALOG NUMBER: S123DIP-S560D805U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	300.2	301.3	302.2	303.2	304.4	306.0	307.5	309.0	310.5	310.6	310.7
115°	347.1	347.8	348.7	349.5	350.5	351.8	353.0	354.3	355.5	356.9	358.2
117.5°	392.7	393.7	394.7	395.7	396.6	397.2	397.8	398.5	399.1	400.2	401.3
120°	421.1	422.4	423.6	424.8	425.7	426.1	426.5	426.9	427.3	428.4	429.5
122.5°	449.6	450.7	451.7	452.7	453.4	454.0	454.6	455.0	455.6	456.4	457.1
125°	489.1	490.2	491.3	492.4	493.3	493.8	494.3	494.9	495.4	495.7	496.0
127.5°	527.3	528.4	529.5	530.6	531.5	532.1	532.8	533.5	534.1	534.6	535.0
130°	551.0	552.2	553.3	554.4	555.2	555.7	556.3	556.8	557.4	557.9	558.5
132.5°	573.9	575.0	576.1	577.2	577.9	578.4	578.8	579.2	579.7	580.3	580.7
135°	608.4	609.2	610.1	610.9	611.6	612.1	612.7	613.2	613.8	614.2	614.6
137.5°	638.3	639.4	640.4	641.4	642.1	642.5	642.8	643.0	643.3	644.0	644.7
140°	657.9	658.8	659.6	660.4	661.0	661.5	661.9	662.3	662.7	663.2	663.8
142.5°	676.3	677.1	677.9	678.7	679.4	679.8	680.2	680.6	681.0	681.4	681.9
145°	702.0	703.0	703.9	705.0	705.5	705.8	706.1	706.4	706.6	706.9	707.2
147.5°	725.9	726.5	727.1	727.8	728.3	728.5	728.7	729.0	729.3	729.6	729.8
150°	740.5	740.9	741.3	741.7	742.1	742.4	742.7	742.9	743.2	743.5	743.7
152.5°	753.7	753.8	754.1	754.2	754.4	754.6	754.7	754.9	755.1	755.6	756.1
155°	772.1	771.7	771.5	771.2	771.1	771.3	771.4	771.5	771.7	772.4	773.1
157.5°	786.9	786.9	786.8	786.8	786.7	786.6	786.5	786.3	786.2	787.0	787.8
160°	795.7	795.6	795.4	795.3	795.1	795.0	794.9	794.7	794.6	795.4	796.2
162.5°	803.9	803.5	803.2	802.8	802.6	802.4	802.3	802.2	802.0	803.0	803.9
165°	814.0	813.6	813.2	812.8	812.5	812.4	812.2	812.1	811.9	813.0	814.1
167.5°	821.8	821.3	820.7	820.1	819.8	819.8	819.8	819.8	819.8	820.9	822.0
170°	826.2	825.7	825.1	824.6	824.3	824.3	824.3	824.3	824.3	825.5	826.5
172.5°	829.1	828.5	827.8	827.1	826.9	827.0	827.0	827.2	827.3	828.4	829.5
175°	832.9	832.3	831.6	830.8	830.6	830.7	830.8	831.0	831.2	832.1	833.1
177.5°	834.1	833.5	833.0	832.4	832.2	832.3	832.4	832.5	832.6	833.5	834.4
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	659.0	659.3	661.9	663.8	662.9	664.1	664.6
5°	719.9	730.9	736.7	740.9	741.2	741.5	743.9
7.5°	806.4	818.2	826.7	839.7	843.6	848.0	846.8
10°	869.6	886.8	901.7	909.6	918.1	930.5	920.5
12.5°	928.5	959.2	981.8	994.0	1002.1	1004.6	999.7
15°	1025.8	1065.9	1087.4	1086.8	1114.1	1125.9	1107.4
17.5°	1115.0	1152.0	1181.5	1196.7	1219.5	1224.6	1222.3
20°	1169.6	1210.0	1233.0	1259.1	1271.0	1281.6	1283.4
22.5°	1216.7	1252.9	1277.7	1299.4	1309.3	1314.3	1317.4
25°	1265.2	1293.7	1308.6	1316.1	1318.9	1318.3	1314.3
27.5°	1261.9	1264.0	1247.7	1231.6	1217.2	1200.9	1195.4
30°	1229.1	1203.6	1158.1	1132.3	1094.4	1064.3	1076.5
32.5°	1142.9	1092.2	1041.1	984.7	938.0	924.8	911.4
35°	975.4	886.2	834.1	773.4	749.1	724.8	708.1
37.5°	789.2	720.2	658.2	618.5	594.2	578.9	570.6
40°	682.4	620.1	569.2	537.0	518.5	501.2	498.8
42.5°	597.1	539.3	501.0	475.4	457.6	450.3	444.9
45°	489.1	448.7	422.9	404.7	392.9	388.3	382.3
47.5°	414.0	385.5	366.1	353.7	344.8	341.4	340.9
50°	372.0	348.3	334.1	324.3	317.3	316.2	311.3
52.5°	340.4	319.9	308.8	300.3	295.2	291.8	290.4
55°	295.5	281.9	271.9	267.0	263.1	259.7	259.7
57.5°	258.6	247.2	240.5	236.4	235.2	232.8	231.3
60°	235.8	226.0	220.9	217.2	214.8	215.1	212.4
62.5°	213.4	207.1	202.2	198.5	195.7	195.7	195.9
65°	181.7	176.9	173.3	172.1	170.2	168.1	168.7
67.5°	154.0	149.5	146.6	144.6	143.9	142.8	144.6
70°	134.1	130.8	128.7	126.8	126.2	126.5	128.0
72.5°	115.9	113.5	112.2	111.3	110.0	110.0	111.1
75°	91.0	89.2	88.0	87.1	86.7	86.7	86.7
77.5°	66.9	66.5	65.9	64.6	64.6	65.0	65.0
80°	52.8	51.9	51.6	50.9	50.1	49.4	50.9
82.5°	39.5	38.5	38.3	38.1	36.7	36.6	37.9
85°	21.2	20.4	20.6	20.4	20.4	20.0	20.0
87.5°	10.9	10.7	10.5	10.9	10.6	10.5	11.0
90°	16.5	17.0	17.5	17.7	18.1	18.3	18.6
92.5°	18.5	19.4	19.9	20.0	20.2	20.4	20.6
95°	22.1	23.1	23.5	23.5	23.5	23.5	23.5
97.5°	23.2	24.3	25.0	25.1	25.3	25.3	25.5
100°	23.8	24.9	25.4	25.6	25.7	25.9	26.0
102.5°	30.5	27.1	25.5	25.7	26.0	26.2	26.5
105°	62.6	38.2	26.1	26.5	26.7	27.0	27.3
107.5°	195.0	177.1	159.0	140.7	122.3	103.9	85.6
110°	265.7	261.2	249.1	229.3	209.7	190.0	170.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	310.8	310.9	308.8	304.7	300.5	296.4	292.2
115°	359.7	361.0	361.9	362.5	363.1	363.6	364.2
117.5°	402.4	403.5	404.1	404.3	404.3	404.4	404.6
120°	430.6	431.7	432.3	432.3	432.3	432.3	432.3
122.5°	457.9	458.7	459.1	459.2	459.3	459.5	459.5
125°	496.3	496.5	496.9	497.1	497.4	497.6	498.0
127.5°	535.4	535.8	535.9	535.7	535.4	535.1	534.9
130°	559.0	559.6	559.8	559.4	559.2	558.9	558.6
132.5°	581.3	581.9	581.9	581.6	581.2	580.8	580.4
135°	615.0	615.4	615.4	615.0	614.6	614.2	613.8
137.5°	645.3	646.0	646.2	645.9	645.6	645.4	645.1
140°	664.3	664.9	665.0	664.7	664.5	664.2	663.9
142.5°	682.3	682.8	682.8	682.4	682.0	681.7	681.3
145°	707.5	707.7	707.9	707.9	707.9	707.9	707.9
147.5°	730.2	730.4	730.2	729.6	729.0	728.3	727.7
150°	744.0	744.3	744.3	743.8	743.4	743.0	742.6
152.5°	756.5	757.1	757.0	756.4	755.7	755.1	754.5
155°	773.7	774.4	774.4	773.6	772.7	771.9	771.0
157.5°	788.6	789.5	789.3	788.3	787.2	786.2	785.1
160°	797.1	797.9	797.8	796.9	795.9	795.0	794.0
162.5°	804.9	805.7	805.8	804.9	804.1	803.3	802.4
165°	815.2	816.3	816.4	815.5	814.4	813.5	812.5
167.5°	823.2	824.3	824.3	823.2	822.0	820.9	819.8
170°	827.6	828.7	828.7	827.6	826.5	825.5	824.3
172.5°	830.6	831.7	831.6	830.4	829.3	828.0	826.8
175°	834.0	835.0	834.9	833.9	832.7	831.6	830.5
177.5°	835.3	836.1	836.1	835.0	833.9	832.7	831.6
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6

(END OF REPORT)