

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: P333152-927

Luminaire Tested: **S125DIP-S375D1205U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333152-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D1205U927-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4520.3 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

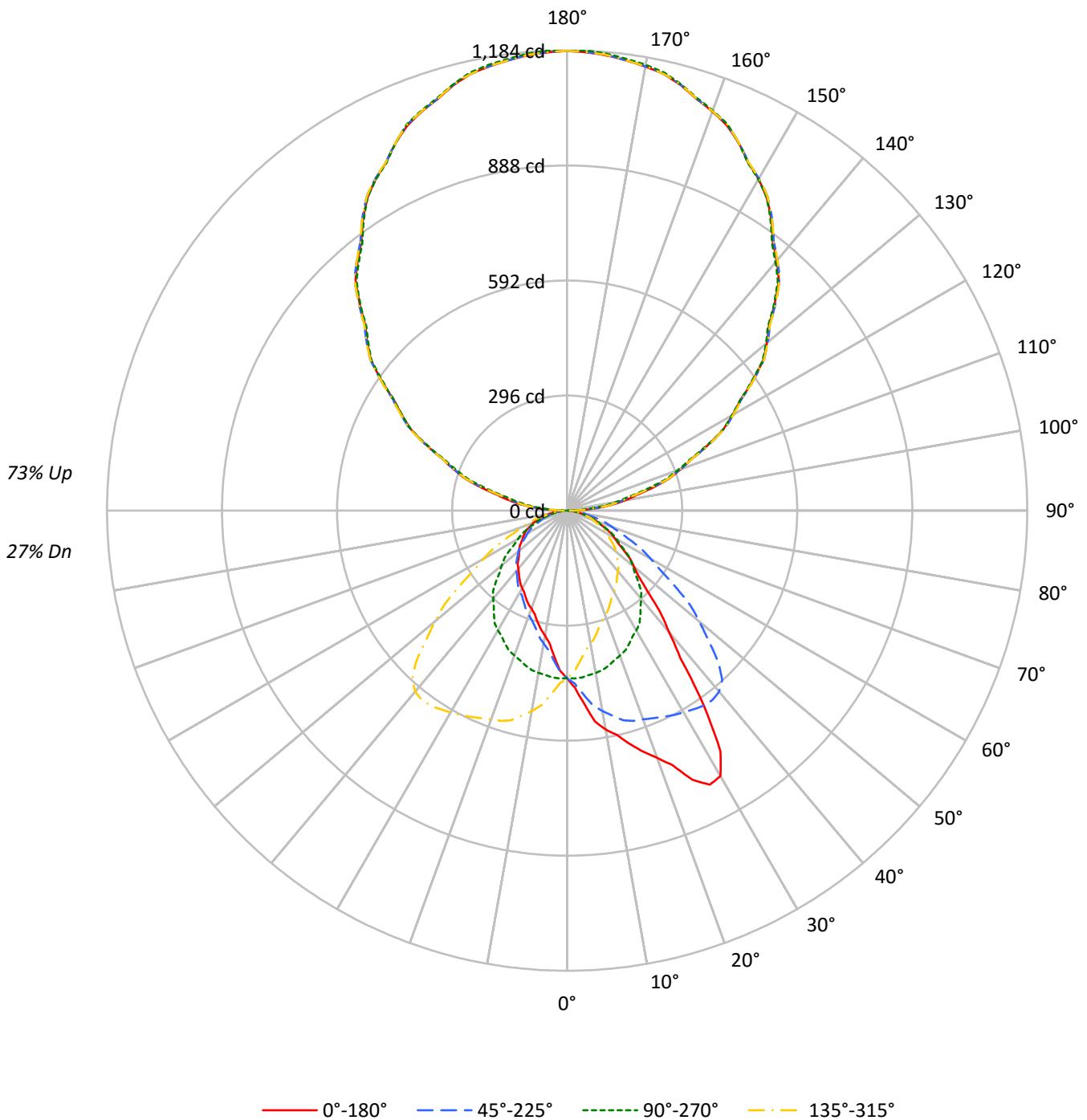
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	73	62	60	58	46	45	43	31	30	30	23
2	84	77	72	67	75	69	65	60	54	51	48	40	38	36	27	26	25	19
3	77	68	61	56	69	61	55	50	48	44	40	36	33	31	24	23	22	17
4	70	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14
5	65	53	46	40	57	48	41	37	38	33	30	28	25	23	20	18	16	12
6	59	48	40	35	53	43	36	32	34	29	26	26	22	20	18	16	14	11
7	55	43	35	30	49	39	32	28	31	26	22	23	20	17	16	14	13	10
8	51	39	32	26	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	35	28	23	42	32	26	21	26	21	18	19	16	14	14	12	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	15	12	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2785	2785	2785	2785
5°	3225	2795	2447	2795
10°	3752	2781	2144	2781
15°	4153	2760	1978	2760
20°	4649	2728	1844	2728
25°	5447	2691	1779	2691
30°	5883	2655	1723	2655
35°	4837	2588	1686	2588
40°	3438	2494	1645	2494
45°	2641	2367	1621	2367
50°	2255	2210	1619	2210
55°	2008	2057	1633	2057
60°	1811	1888	1674	1888
65°	1673	1721	1718	1721
70°	1522	1545	1743	1545
75°	1342	1362	1727	1362
80°	1131	1112	1581	1112
85°	897	800	1275	800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	0.9
10°-20°	123.6	2.7
20°-30°	200.7	4.4
30°-40°	244.8	5.4
40°-50°	222.7	4.9
50°-60°	177.4	3.9
60°-70°	123.6	2.7
70°-80°	65.9	1.5
80°-90°	19.2	0.4
90°-100°	79.2	1.8
100°-110°	234.0	5.2
110°-120°	396.3	8.8
120°-130°	521.5	11.5
130°-140°	584.4	12.9
140°-150°	572.7	12.7
150°-160°	481.1	10.6
160°-170°	319.8	7.1
170°-180°	111.9	2.5
0°-30°	365.9	8.1
0°-40°	610.7	13.5
0°-60°	1010.8	22.4
0°-90°	1219.5	27.0
90°-120°	709.5	15.7
90°-150°	2388.1	52.8
90°-180°	3301.0	73.0
0°-180°	4520.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	431	431	431	431	431	
5°	498	431	378	431	498	50
15°	621	413	296	413	621	178
25°	764	378	250	378	764	349
35°	614	328	214	328	614	375
45°	289	259	178	259	289	231
55°	178	183	145	183	178	161
65°	110	113	112	113	110	109
75°	54	55	69	55	54	58
85°	12	11	17	11	12	15
90°	22	1	22	1	22	13
95°	79	60	79	60	79	81
105°	228	210	228	210	228	242
115°	400	397	400	397	400	396
125°	583	579	583	579	583	520
135°	756	753	756	753	756	583
145°	916	912	916	912	916	572
155°	1044	1044	1044	1044	1044	480
165°	1132	1135	1132	1135	1132	319
175°	1176	1180	1176	1180	1176	112
180°	1183	1183	1183	1183	1183	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	456.1	455.6	455.0	453.8	454.7	452.2	451.1	449.0	446.5	445.6	444.6
5°	497.5	498.4	499.4	495.5	495.9	493.3	487.4	482.7	478.9	473.9	470.4
7.5°	547.3	545.2	544.9	542.5	538.2	534.7	528.6	520.8	513.2	504.5	497.4
10°	572.2	572.4	570.8	567.8	563.2	559.9	551.9	544.2	534.9	523.9	516.0
12.5°	591.0	591.8	589.6	585.7	583.4	576.1	569.7	560.6	549.5	540.7	528.8
15°	621.2	619.2	617.8	612.8	609.0	601.3	591.3	581.7	569.7	558.5	547.3
17.5°	650.5	652.1	649.4	644.8	632.9	623.9	610.5	597.4	582.3	567.4	554.1
20°	676.5	678.0	673.8	665.9	651.6	642.7	625.0	608.1	590.7	571.5	556.8
22.5°	709.1	707.9	702.2	690.2	677.9	661.3	642.1	621.5	599.8	578.1	558.6
25°	764.4	756.7	753.2	738.4	722.2	697.8	671.5	641.4	614.3	585.6	560.7
27.5°	795.1	792.7	788.8	778.5	761.4	735.3	704.3	667.7	629.5	593.2	560.5
30°	788.9	789.3	789.6	786.4	775.4	755.8	724.8	685.6	640.1	599.3	561.6
32.5°	734.4	741.1	747.5	755.0	758.1	754.3	735.0	699.4	652.7	606.3	561.0
35°	613.5	615.6	636.3	656.8	684.6	706.2	720.6	704.9	665.6	612.3	560.3
37.5°	478.4	488.3	502.6	525.8	565.9	601.9	648.2	669.4	656.7	614.3	559.0
40°	407.8	417.0	426.4	450.0	483.8	527.4	579.9	624.7	635.2	608.1	554.6
42.5°	353.4	360.6	371.0	388.7	417.0	455.6	505.8	564.4	600.5	590.3	545.4
45°	289.2	293.8	301.8	315.9	336.4	366.6	410.9	475.0	530.8	549.3	523.6
47.5°	247.6	247.6	253.8	263.5	278.3	304.0	336.8	386.9	446.6	490.7	488.6
50°	224.4	223.5	228.5	236.9	248.6	265.6	296.9	337.0	394.3	444.3	458.2
52.5°	204.5	204.6	207.6	213.9	223.7	238.2	261.6	297.8	346.7	398.0	424.2
55°	178.3	177.5	181.0	185.2	192.4	201.9	218.7	246.4	286.1	336.6	370.7
57.5°	154.2	156.3	157.6	160.6	166.5	172.9	187.1	207.4	238.9	282.3	318.2
60°	140.2	142.2	143.3	146.2	151.0	156.5	167.5	183.9	210.5	247.9	283.5
62.5°	127.6	129.2	129.6	132.2	136.1	141.4	150.0	163.9	184.9	217.5	252.5
65°	109.5	109.5	110.2	113.0	114.8	119.5	126.1	136.2	153.0	178.5	208.3
67.5°	92.0	92.8	92.7	93.9	95.5	99.3	103.9	112.3	124.8	143.3	167.2
70°	80.6	81.3	81.1	82.0	83.8	86.2	90.1	97.9	106.9	122.8	143.3
72.5°	70.3	70.6	70.1	71.3	72.4	74.5	78.8	83.0	91.3	104.8	121.7
75°	53.8	54.2	54.6	55.3	56.4	57.5	59.7	63.8	69.4	79.5	90.2
77.5°	40.3	39.6	40.6	40.4	41.0	41.9	43.8	46.0	50.5	57.0	65.3
80°	30.4	30.6	30.6	30.7	31.7	32.2	33.8	35.5	39.0	43.7	49.6
82.5°	22.2	22.7	22.3	22.7	23.4	23.8	24.8	26.1	28.1	31.9	36.1
85°	12.1	11.2	11.6	11.9	11.9	12.1	12.8	13.4	14.5	15.9	17.6
87.5°	7.9	8.1	8.2	8.0	8.0	7.8	8.2	8.1	8.2	8.5	8.8
90°	22.1	21.5	20.8	20.3	19.6	18.9	17.8	16.8	15.8	14.7	13.3
92.5°	43.4	43.0	42.5	42.1	41.7	40.7	39.4	38.0	36.7	35.3	33.6
95°	79.1	78.7	78.3	78.0	77.6	76.6	75.2	73.8	72.3	70.9	68.8
97.5°	120.0	119.8	119.5	119.3	119.1	118.3	116.9	115.6	114.2	112.9	110.0
100°	151.0	150.6	150.1	149.7	149.3	148.2	146.4	144.5	142.7	140.9	138.2
102.5°	181.9	181.3	180.8	180.2	179.6	178.3	176.3	174.3	172.3	170.3	169.0
105°	228.3	227.7	227.0	226.5	225.9	224.9	223.7	222.4	221.3	220.0	218.8
107.5°	275.8	275.8	275.9	275.9	276.0	275.7	275.0	274.4	273.9	273.2	272.3
110°	311.2	311.3	311.6	311.7	312.0	311.7	311.2	310.5	309.9	309.3	308.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	345.8	346.1	346.5	346.9	347.2	347.3	347.0	346.7	346.4	346.1	345.3
115°	400.4	400.6	400.8	401.1	401.2	401.5	401.6	401.9	402.1	402.3	401.9
117.5°	453.8	454.6	455.5	456.3	457.1	457.4	457.2	457.1	456.9	456.8	456.4
120°	490.7	491.5	492.3	493.1	493.9	494.3	494.3	494.3	494.3	494.3	494.2
122.5°	527.5	528.1	528.8	529.4	530.1	530.5	530.7	530.8	531.0	531.2	530.6
125°	582.7	582.9	583.1	583.4	583.5	583.8	584.2	584.6	585.0	585.5	585.3
127.5°	635.7	636.1	636.5	637.0	637.4	637.7	637.9	638.1	638.3	638.5	638.3
130°	671.1	671.5	671.9	672.3	672.7	673.0	673.2	673.4	673.7	673.8	673.4
132.5°	704.3	704.8	705.4	705.9	706.5	706.9	707.1	707.3	707.5	707.7	707.8
135°	755.7	756.6	757.4	758.2	759.1	759.5	759.5	759.5	759.5	759.5	759.2
137.5°	806.2	807.2	808.3	809.3	810.3	810.7	810.5	810.2	809.9	809.7	809.3
140°	838.6	839.6	840.7	841.7	842.7	843.0	842.6	842.2	841.8	841.4	840.7
142.5°	869.6	870.6	871.6	872.6	873.6	874.0	873.8	873.5	873.3	873.1	872.3
145°	915.9	916.6	917.2	917.8	918.4	918.7	918.7	918.7	918.7	918.7	918.1
147.5°	955.5	957.0	958.3	959.7	961.1	961.6	961.1	960.6	960.0	959.6	959.1
150°	985.0	985.4	985.8	986.2	986.7	986.8	986.8	986.8	986.8	986.8	986.0
152.5°	1009.3	1010.0	1010.7	1011.5	1012.3	1012.3	1011.9	1011.4	1010.9	1010.4	1010.1
155°	1043.9	1045.0	1045.9	1046.9	1048.0	1048.1	1047.3	1046.5	1045.7	1044.8	1044.7
157.5°	1072.9	1074.2	1075.5	1076.9	1078.2	1078.5	1077.7	1076.8	1076.0	1075.2	1075.0
160°	1092.7	1093.7	1094.7	1095.7	1096.8	1096.9	1096.1	1095.3	1094.4	1093.6	1093.4
162.5°	1109.6	1110.8	1112.0	1113.2	1114.4	1114.5	1113.5	1112.5	1111.5	1110.6	1110.5
165°	1132.3	1133.5	1134.7	1136.0	1137.2	1137.4	1136.5	1135.8	1135.0	1134.1	1133.9
167.5°	1150.3	1151.6	1152.9	1154.1	1155.4	1155.4	1154.2	1152.9	1151.8	1150.5	1150.5
170°	1159.9	1161.3	1162.8	1164.2	1165.6	1165.7	1164.5	1163.2	1162.1	1160.8	1160.8
172.5°	1168.0	1169.3	1170.5	1171.8	1173.1	1173.1	1171.9	1170.6	1169.4	1168.2	1168.2
175°	1175.5	1176.9	1178.5	1179.9	1181.3	1181.4	1180.1	1178.9	1177.7	1176.5	1176.5
177.5°	1180.0	1181.1	1182.3	1183.4	1184.6	1184.6	1183.7	1182.6	1181.7	1180.7	1180.8
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	443.7	442.7	441.5	439.4	437.0	435.6	433.6	432.3	429.7	427.5	425.1
5°	466.2	461.4	457.1	451.4	445.2	441.2	436.4	431.1	425.6	419.9	413.7
7.5°	489.6	481.1	472.0	462.2	452.5	443.6	435.1	426.9	419.1	409.7	401.8
10°	505.2	494.6	483.2	469.9	456.9	445.5	434.0	424.0	413.7	402.7	393.0
12.5°	520.9	506.8	490.7	476.0	460.4	446.7	433.2	420.3	407.4	395.2	383.9
15°	532.0	519.5	504.7	483.8	466.2	447.3	429.4	412.8	397.2	383.7	369.4
17.5°	539.2	523.2	507.2	487.3	464.2	443.1	422.8	403.7	386.2	369.0	355.3
20°	540.5	524.0	507.4	487.8	464.2	440.1	419.7	396.9	378.0	360.2	343.4
22.5°	540.1	521.4	503.3	483.2	460.1	437.8	413.3	390.0	369.5	352.0	334.5
25°	536.0	516.0	493.3	473.0	450.3	426.7	401.8	377.6	356.8	336.8	319.4
27.5°	532.5	506.7	480.9	457.2	435.3	413.7	389.8	365.1	342.0	321.8	305.4
30°	528.3	499.9	471.0	446.2	423.7	402.7	380.2	356.0	331.8	312.1	294.5
32.5°	524.5	491.4	460.9	434.0	410.1	389.7	368.9	345.9	322.2	302.1	284.6
35°	517.1	478.9	443.9	413.5	388.1	367.0	349.6	328.2	306.4	287.0	270.2
37.5°	507.8	462.4	424.8	393.0	365.1	342.9	326.8	310.3	289.4	270.7	255.5
40°	500.4	450.7	410.9	378.3	349.4	326.4	311.3	295.8	278.5	261.0	244.9
42.5°	491.2	440.1	396.9	361.8	333.2	310.7	294.9	281.8	266.4	250.2	235.3
45°	474.3	421.0	374.1	336.4	307.5	285.3	269.1	259.2	247.6	232.3	219.7
47.5°	449.3	398.1	349.6	310.7	280.8	260.3	245.0	235.5	227.4	216.0	204.5
50°	427.2	381.0	331.8	293.3	263.4	242.7	228.6	220.0	213.1	204.3	194.6
52.5°	402.5	359.4	314.4	276.2	246.7	226.3	212.5	204.9	199.2	192.9	183.3
55°	363.1	326.5	284.8	248.6	221.3	201.4	189.3	182.7	177.9	173.2	167.3
57.5°	319.9	291.2	254.3	221.1	196.0	177.8	166.6	160.2	156.5	154.0	150.6
60°	289.4	264.9	233.1	202.8	178.3	162.2	151.2	146.2	143.1	141.2	138.6
62.5°	261.1	241.0	211.5	183.9	162.5	147.3	137.4	132.6	129.7	128.7	126.6
65°	219.5	203.9	179.6	156.7	138.4	125.4	117.2	112.6	110.7	109.6	109.8
67.5°	178.4	169.0	149.4	129.9	115.3	104.4	97.8	94.3	93.3	91.9	91.9
70°	153.4	146.2	129.8	112.7	99.7	91.3	85.5	81.8	80.9	80.2	80.0
72.5°	131.3	125.0	110.7	97.1	85.4	78.0	73.2	71.0	69.5	69.1	69.0
75°	98.6	95.2	83.8	73.0	65.0	59.9	56.6	54.6	53.5	53.2	53.5
77.5°	70.1	67.1	59.9	52.2	47.1	43.3	40.5	39.8	38.6	38.6	38.4
80°	52.7	50.7	46.1	40.1	35.9	32.6	31.1	29.9	29.5	28.9	29.5
82.5°	38.2	36.0	33.0	29.1	25.6	23.7	22.2	21.8	21.5	21.3	21.4
85°	18.9	19.0	17.2	14.3	12.8	11.7	10.8	10.8	10.6	10.5	10.6
87.5°	8.8	8.2	7.4	6.7	5.5	4.8	4.4	4.1	4.0	4.2	4.7
90°	11.9	10.5	9.0	7.4	5.9	4.2	2.5	1.0	2.5	4.2	5.9
92.5°	31.8	30.1	28.3	26.9	25.7	24.6	23.4	22.3	23.4	24.6	25.7
95°	66.8	64.7	62.7	61.5	61.1	60.7	60.2	59.8	60.2	60.7	61.1
97.5°	107.2	104.4	101.6	100.1	99.9	99.7	99.6	99.4	99.6	99.7	99.9
100°	135.5	132.8	130.2	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
102.5°	167.6	166.3	164.9	163.8	163.0	162.2	161.4	160.6	161.4	162.2	163.0
105°	217.5	216.3	215.1	214.0	212.9	211.9	210.9	209.8	210.9	211.9	212.9
107.5°	271.3	270.4	269.4	268.5	267.4	266.4	265.4	264.4	265.4	266.4	267.4
110°	308.1	307.4	306.8	306.0	305.0	304.0	302.9	302.0	302.9	304.0	305.0



TEST NUMBER: P333152-927

CATALOG NUMBER: S125DIP-S375D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	344.6	343.8	343.0	342.4	341.8	341.3	340.8	340.2	340.8	341.3	341.8
115°	401.5	401.1	400.6	400.1	399.2	398.4	397.6	396.7	397.6	398.4	399.2
117.5°	456.1	455.7	455.3	455.0	454.6	454.2	453.8	453.4	453.8	454.2	454.6
120°	493.9	493.7	493.5	492.9	491.9	490.8	489.8	488.8	489.8	490.8	491.9
122.5°	530.1	529.6	529.0	528.5	528.2	527.8	527.5	527.1	527.5	527.8	528.2
125°	585.0	584.9	584.6	583.9	582.7	581.5	580.3	579.0	580.3	581.5	582.7
127.5°	638.0	637.8	637.5	637.1	636.4	635.6	634.9	634.3	634.9	635.6	636.4
130°	673.0	672.6	672.2	671.5	670.5	669.5	668.4	667.4	668.4	669.5	670.5
132.5°	707.9	708.0	708.1	707.3	705.6	703.9	702.2	700.5	702.2	703.9	705.6
135°	759.1	758.8	758.7	758.0	756.7	755.5	754.2	753.0	754.2	755.5	756.7
137.5°	808.8	808.3	807.9	807.1	805.9	804.7	803.5	802.3	803.5	804.7	805.9
140°	840.2	839.6	838.9	838.1	837.1	836.1	835.0	834.0	835.0	836.1	837.1
142.5°	871.5	870.7	870.0	869.1	868.2	867.4	866.6	865.7	866.6	867.4	868.2
145°	917.5	916.9	916.2	915.5	914.7	913.9	913.1	912.3	913.1	913.9	914.7
147.5°	958.6	958.1	957.6	957.1	956.7	956.2	955.8	955.4	955.8	956.2	956.7
150°	985.2	984.4	983.6	983.3	983.5	983.7	983.9	984.0	983.9	983.7	983.5
152.5°	1009.7	1009.4	1009.1	1008.8	1008.5	1008.2	1007.9	1007.7	1007.9	1008.2	1008.5
155°	1044.4	1044.3	1044.0	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9
157.5°	1074.8	1074.6	1074.4	1074.5	1075.0	1075.4	1075.9	1076.3	1075.9	1075.4	1075.0
160°	1093.2	1093.0	1092.8	1093.0	1093.6	1094.2	1094.9	1095.4	1094.9	1094.2	1093.6
162.5°	1110.5	1110.4	1110.4	1110.6	1111.0	1111.5	1112.0	1112.4	1112.0	1111.5	1111.0
165°	1133.7	1133.5	1133.3	1133.4	1133.9	1134.2	1134.6	1135.0	1134.6	1134.2	1133.9
167.5°	1150.5	1150.5	1150.5	1150.9	1151.8	1152.5	1153.3	1154.2	1153.3	1152.5	1151.8
170°	1160.8	1160.8	1160.8	1161.3	1162.1	1162.8	1163.7	1164.5	1163.7	1162.8	1162.1
172.5°	1168.2	1168.2	1168.2	1168.6	1169.4	1170.2	1171.1	1171.9	1171.1	1170.2	1169.4
175°	1176.5	1176.5	1176.5	1176.9	1177.7	1178.5	1179.3	1180.1	1179.3	1178.5	1177.7
177.5°	1181.1	1181.2	1181.4	1181.8	1182.4	1183.0	1183.8	1184.4	1183.8	1183.0	1182.4
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9



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CATALOG NUMBER: S125DIP-S375D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	423.8	422.2	420.9	418.0	416.3	414.2	412.4	414.3	412.3	413.1	411.8
5°	410.6	405.4	401.8	396.5	391.9	387.7	384.6	384.0	382.5	381.8	379.6
7.5°	394.7	388.2	382.0	375.0	369.2	363.2	359.4	356.2	354.2	351.4	349.5
10°	385.3	376.7	369.4	361.0	353.6	347.2	342.1	339.5	337.2	333.7	332.4
12.5°	373.8	364.9	355.9	346.9	339.8	332.7	328.4	324.5	322.8	318.9	318.5
15°	359.9	346.5	337.7	328.6	318.9	313.0	309.3	305.1	303.3	300.6	298.6
17.5°	343.3	331.4	320.4	310.9	302.6	297.7	293.1	290.3	287.1	285.3	282.0
20°	331.3	320.0	309.0	298.9	292.5	286.8	283.2	280.4	277.1	276.2	272.9
22.5°	321.2	308.7	298.2	289.7	282.7	276.3	272.4	270.5	268.2	265.4	264.7
25°	304.8	291.8	282.8	274.4	268.2	262.3	259.6	257.2	255.0	252.9	252.2
27.5°	290.6	278.9	268.3	260.7	255.2	249.9	247.6	244.6	243.0	241.4	239.4
30°	280.6	268.7	259.4	252.1	246.2	241.5	238.8	236.9	235.4	233.9	232.8
32.5°	270.4	259.4	250.3	243.1	237.3	233.7	231.4	230.0	228.4	226.6	225.2
35°	256.8	244.7	235.9	229.7	225.1	222.4	219.8	218.6	216.7	216.7	215.2
37.5°	241.5	231.1	223.3	217.7	213.6	211.1	208.3	207.5	206.3	205.5	205.0
40°	232.5	222.8	215.5	209.8	205.4	203.4	201.1	199.7	199.0	198.0	197.7
42.5°	223.1	213.8	206.8	201.6	197.7	196.1	194.0	193.0	191.5	190.3	190.0
45°	208.8	199.9	193.5	189.3	186.0	183.9	182.7	180.5	179.7	178.3	178.1
47.5°	195.4	186.7	180.5	177.0	174.1	172.5	170.5	168.3	167.4	166.7	166.6
50°	185.2	177.4	171.5	168.3	165.5	163.1	161.1	159.6	159.1	159.1	159.5
52.5°	175.0	168.3	163.3	159.3	156.7	154.2	152.3	151.4	150.6	151.5	152.1
55°	160.0	153.2	149.6	145.7	143.1	140.2	139.3	138.9	138.4	139.8	140.6
57.5°	144.1	139.3	135.1	131.3	129.0	127.2	126.0	125.8	126.8	127.5	129.9
60°	134.0	128.5	124.7	121.8	119.0	117.9	117.5	117.2	117.9	119.9	123.0
62.5°	122.9	118.4	114.2	112.1	110.0	108.2	108.1	108.4	109.8	112.2	115.3
65°	106.5	102.7	100.0	97.4	95.7	94.7	95.0	95.7	97.4	100.5	103.9
67.5°	89.9	87.3	84.8	82.8	81.2	81.2	81.6	82.7	84.6	88.2	91.3
70°	79.3	76.4	74.3	73.4	72.1	71.4	72.5	74.3	76.0	79.3	82.0
72.5°	68.6	66.1	64.5	63.8	63.3	62.7	63.1	65.1	67.3	70.6	73.8
75°	52.7	51.8	50.7	50.0	49.4	49.8	50.1	52.0	53.8	57.3	60.9
77.5°	38.5	37.5	36.8	36.7	36.4	36.6	37.6	39.0	40.7	43.3	46.0
80°	29.1	28.8	28.4	28.2	28.2	28.4	29.9	30.7	32.4	34.8	37.0
82.5°	21.2	21.0	20.9	20.8	21.0	21.1	21.9	23.1	24.5	26.3	28.2
85°	11.2	10.8	11.3	11.6	11.2	11.7	12.1	12.8	13.4	14.3	15.2
87.5°	5.1	5.8	5.9	6.3	6.6	7.2	7.3	8.1	8.6	9.0	9.0
90°	7.4	9.0	10.5	11.9	13.3	14.7	15.8	16.8	17.8	18.9	19.6
92.5°	26.9	28.3	30.1	31.8	33.6	35.3	36.7	38.0	39.4	40.7	41.7
95°	61.5	62.7	64.7	66.8	68.8	70.9	72.3	73.8	75.2	76.6	77.6
97.5°	100.1	101.6	104.4	107.2	110.0	112.9	114.2	115.6	116.9	118.3	119.1
100°	128.9	130.2	132.8	135.5	138.2	140.9	142.7	144.5	146.4	148.2	149.3
102.5°	163.8	164.9	166.3	167.6	169.0	170.3	172.3	174.3	176.3	178.3	179.6
105°	214.0	215.1	216.3	217.5	218.8	220.0	221.3	222.4	223.7	224.9	225.9
107.5°	268.5	269.4	270.4	271.3	272.3	273.2	273.9	274.4	275.0	275.7	276.0
110°	306.0	306.8	307.4	308.1	308.7	309.3	309.9	310.5	311.2	311.7	312.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	342.4	343.0	343.8	344.6	345.3	346.1	346.4	346.7	347.0	347.3	347.2
115°	400.1	400.6	401.1	401.5	401.9	402.3	402.1	401.9	401.6	401.5	401.2
117.5°	455.0	455.3	455.7	456.1	456.4	456.8	456.9	457.1	457.2	457.4	457.1
120°	492.9	493.5	493.7	493.9	494.2	494.3	494.3	494.3	494.3	494.3	493.9
122.5°	528.5	529.0	529.6	530.1	530.6	531.2	531.0	530.8	530.7	530.5	530.1
125°	583.9	584.6	584.9	585.0	585.3	585.5	585.0	584.6	584.2	583.8	583.5
127.5°	637.1	637.5	637.8	638.0	638.3	638.5	638.3	638.1	637.9	637.7	637.4
130°	671.5	672.2	672.6	673.0	673.4	673.8	673.7	673.4	673.2	673.0	672.7
132.5°	707.3	708.1	708.0	707.9	707.8	707.7	707.5	707.3	707.1	706.9	706.5
135°	758.0	758.7	758.8	759.1	759.2	759.5	759.5	759.5	759.5	759.5	759.1
137.5°	807.1	807.9	808.3	808.8	809.3	809.7	809.9	810.2	810.5	810.7	810.3
140°	838.1	838.9	839.6	840.2	840.7	841.4	841.8	842.2	842.6	843.0	842.7
142.5°	869.1	870.0	870.7	871.5	872.3	873.1	873.3	873.5	873.8	874.0	873.6
145°	915.5	916.2	916.9	917.5	918.1	918.7	918.7	918.7	918.7	918.7	918.4
147.5°	957.1	957.6	958.1	958.6	959.1	959.6	960.0	960.6	961.1	961.6	961.1
150°	983.3	983.6	984.4	985.2	986.0	986.8	986.8	986.8	986.8	986.8	986.7
152.5°	1008.8	1009.1	1009.4	1009.7	1010.1	1010.4	1010.9	1011.4	1011.9	1012.3	1012.3
155°	1043.9	1044.0	1044.3	1044.4	1044.7	1044.8	1045.7	1046.5	1047.3	1048.1	1048.0
157.5°	1074.5	1074.4	1074.6	1074.8	1075.0	1075.2	1076.0	1076.8	1077.7	1078.5	1078.2
160°	1093.0	1092.8	1093.0	1093.2	1093.4	1093.6	1094.4	1095.3	1096.1	1096.9	1096.8
162.5°	1110.6	1110.4	1110.4	1110.5	1110.5	1110.6	1111.5	1112.5	1113.5	1114.5	1114.4
165°	1133.4	1133.3	1133.5	1133.7	1133.9	1134.1	1135.0	1135.8	1136.5	1137.4	1137.2
167.5°	1150.9	1150.5	1150.5	1150.5	1150.5	1150.5	1151.8	1152.9	1154.2	1155.4	1155.4
170°	1161.3	1160.8	1160.8	1160.8	1160.8	1160.8	1162.1	1163.2	1164.5	1165.7	1165.6
172.5°	1168.6	1168.2	1168.2	1168.2	1168.2	1168.2	1169.4	1170.6	1171.9	1173.1	1173.1
175°	1176.9	1176.5	1176.5	1176.5	1176.5	1176.5	1177.7	1178.9	1180.1	1181.4	1181.3
177.5°	1181.8	1181.4	1181.2	1181.1	1180.8	1180.7	1181.7	1182.6	1183.7	1184.6	1184.6
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9



TEST NUMBER: P333152-927

CATALOG NUMBER: S125DIP-S375D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	410.9	411.9	411.1	412.3	411.1	411.9	410.9	411.8	413.1	412.3	414.3
5°	378.7	377.1	378.2	377.5	378.2	377.1	378.7	379.6	381.8	382.5	384.0
7.5°	349.0	347.5	345.6	344.8	345.6	347.5	349.0	349.5	351.4	354.2	356.2
10°	330.4	328.4	328.2	326.9	328.2	328.4	330.4	332.4	333.7	337.2	339.5
12.5°	316.8	314.9	312.8	312.3	312.8	314.9	316.8	318.5	318.9	322.8	324.5
15°	297.5	296.0	294.7	295.8	294.7	296.0	297.5	298.6	300.6	303.3	305.1
17.5°	281.4	280.2	280.0	278.6	280.0	280.2	281.4	282.0	285.3	287.1	290.3
20°	271.2	270.4	270.8	268.3	270.8	270.4	271.2	272.9	276.2	277.1	280.4
22.5°	263.2	261.4	261.2	260.7	261.2	261.4	263.2	264.7	265.4	268.2	270.5
25°	250.6	249.7	248.7	249.7	248.7	249.7	250.6	252.2	252.9	255.0	257.2
27.5°	239.6	238.4	238.2	238.4	238.2	238.4	239.6	239.4	241.4	243.0	244.6
30°	232.8	231.0	231.2	231.0	231.2	231.0	232.8	232.8	233.9	235.4	236.9
32.5°	225.5	224.3	224.0	223.7	224.0	224.3	225.5	225.2	226.6	228.4	230.0
35°	214.7	214.7	213.8	213.8	213.8	214.7	214.7	215.2	216.7	216.7	218.6
37.5°	204.5	204.4	203.8	203.9	203.8	204.4	204.5	205.0	205.5	206.3	207.5
40°	196.9	196.8	196.2	195.1	196.2	196.8	196.9	197.7	198.0	199.0	199.7
42.5°	189.6	189.0	188.8	188.4	188.8	189.0	189.6	190.0	190.3	191.5	193.0
45°	178.1	178.1	177.8	177.5	177.8	178.1	178.1	178.1	178.3	179.7	180.5
47.5°	166.9	167.2	167.9	167.8	167.9	167.2	166.9	166.6	166.7	167.4	168.3
50°	160.2	160.3	160.9	161.1	160.9	160.3	160.2	159.5	159.1	159.1	159.6
52.5°	152.7	153.8	154.5	154.3	154.5	153.8	152.7	152.1	151.5	150.6	151.4
55°	142.2	143.5	144.8	145.0	144.8	143.5	142.2	140.6	139.8	138.4	138.9
57.5°	131.9	133.6	135.0	135.5	135.0	133.6	131.9	129.9	127.5	126.8	125.8
60°	124.8	127.2	128.9	129.6	128.9	127.2	124.8	123.0	119.9	117.9	117.2
62.5°	118.1	120.8	122.4	122.6	122.4	120.8	118.1	115.3	112.2	109.8	108.4
65°	107.1	109.8	111.3	112.4	111.3	109.8	107.1	103.9	100.5	97.4	95.7
67.5°	95.2	98.0	99.6	100.4	99.6	98.0	95.2	91.3	88.2	84.6	82.7
70°	86.6	89.4	91.5	92.3	91.5	89.4	86.6	82.0	79.3	76.0	74.3
72.5°	78.1	80.6	82.3	83.2	82.3	80.6	78.1	73.8	70.6	67.3	65.1
75°	63.3	66.6	68.3	69.2	68.3	66.6	63.3	60.9	57.3	53.8	52.0
77.5°	48.8	51.8	52.8	53.3	52.8	51.8	48.8	46.0	43.3	40.7	39.0
80°	39.1	41.0	42.3	42.5	42.3	41.0	39.1	37.0	34.8	32.4	30.7
82.5°	30.1	31.6	32.0	32.5	32.0	31.6	30.1	28.2	26.3	24.5	23.1
85°	16.5	17.2	17.4	17.2	17.4	17.2	16.5	15.2	14.3	13.4	12.8
87.5°	9.5	9.4	9.6	10.0	9.6	9.4	9.5	9.0	9.0	8.6	8.1
90°	20.3	20.8	21.5	22.1	21.5	20.8	20.3	19.6	18.9	17.8	16.8
92.5°	42.1	42.5	43.0	43.4	43.0	42.5	42.1	41.7	40.7	39.4	38.0
95°	78.0	78.3	78.7	79.1	78.7	78.3	78.0	77.6	76.6	75.2	73.8
97.5°	119.3	119.5	119.8	120.0	119.8	119.5	119.3	119.1	118.3	116.9	115.6
100°	149.7	150.1	150.6	151.0	150.6	150.1	149.7	149.3	148.2	146.4	144.5
102.5°	180.2	180.8	181.3	181.9	181.3	180.8	180.2	179.6	178.3	176.3	174.3
105°	226.5	227.0	227.7	228.3	227.7	227.0	226.5	225.9	224.9	223.7	222.4
107.5°	275.9	275.9	275.8	275.8	275.8	275.9	275.9	276.0	275.7	275.0	274.4
110°	311.7	311.6	311.3	311.2	311.3	311.6	311.7	312.0	311.7	311.2	310.5



TEST NUMBER: P333152-927

CATALOG NUMBER: S125DIP-S375D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	346.9	346.5	346.1	345.8	346.1	346.5	346.9	347.2	347.3	347.0	346.7
115°	401.1	400.8	400.6	400.4	400.6	400.8	401.1	401.2	401.5	401.6	401.9
117.5°	456.3	455.5	454.6	453.8	454.6	455.5	456.3	457.1	457.4	457.2	457.1
120°	493.1	492.3	491.5	490.7	491.5	492.3	493.1	493.9	494.3	494.3	494.3
122.5°	529.4	528.8	528.1	527.5	528.1	528.8	529.4	530.1	530.5	530.7	530.8
125°	583.4	583.1	582.9	582.7	582.9	583.1	583.4	583.5	583.8	584.2	584.6
127.5°	637.0	636.5	636.1	635.7	636.1	636.5	637.0	637.4	637.7	637.9	638.1
130°	672.3	671.9	671.5	671.1	671.5	671.9	672.3	672.7	673.0	673.2	673.4
132.5°	705.9	705.4	704.8	704.3	704.8	705.4	705.9	706.5	706.9	707.1	707.3
135°	758.2	757.4	756.6	755.7	756.6	757.4	758.2	759.1	759.5	759.5	759.5
137.5°	809.3	808.3	807.2	806.2	807.2	808.3	809.3	810.3	810.7	810.5	810.2
140°	841.7	840.7	839.6	838.6	839.6	840.7	841.7	842.7	843.0	842.6	842.2
142.5°	872.6	871.6	870.6	869.6	870.6	871.6	872.6	873.6	874.0	873.8	873.5
145°	917.8	917.2	916.6	915.9	916.6	917.2	917.8	918.4	918.7	918.7	918.7
147.5°	959.7	958.3	957.0	955.5	957.0	958.3	959.7	961.1	961.6	961.1	960.6
150°	986.2	985.8	985.4	985.0	985.4	985.8	986.2	986.7	986.8	986.8	986.8
152.5°	1011.5	1010.7	1010.0	1009.3	1010.0	1010.7	1011.5	1012.3	1012.3	1011.9	1011.4
155°	1046.9	1045.9	1045.0	1043.9	1045.0	1045.9	1046.9	1048.0	1048.1	1047.3	1046.5
157.5°	1076.9	1075.5	1074.2	1072.9	1074.2	1075.5	1076.9	1078.2	1078.5	1077.7	1076.8
160°	1095.7	1094.7	1093.7	1092.7	1093.7	1094.7	1095.7	1096.8	1096.9	1096.1	1095.3
162.5°	1113.2	1112.0	1110.8	1109.6	1110.8	1112.0	1113.2	1114.4	1114.5	1113.5	1112.5
165°	1136.0	1134.7	1133.5	1132.3	1133.5	1134.7	1136.0	1137.2	1137.4	1136.5	1135.8
167.5°	1154.1	1152.9	1151.6	1150.3	1151.6	1152.9	1154.1	1155.4	1155.4	1154.2	1152.9
170°	1164.2	1162.8	1161.3	1159.9	1161.3	1162.8	1164.2	1165.6	1165.7	1164.5	1163.2
172.5°	1171.8	1170.5	1169.3	1168.0	1169.3	1170.5	1171.8	1173.1	1173.1	1171.9	1170.6
175°	1179.9	1178.5	1176.9	1175.5	1176.9	1178.5	1179.9	1181.3	1181.4	1180.1	1178.9
177.5°	1183.4	1182.3	1181.1	1180.0	1181.1	1182.3	1183.4	1184.6	1184.6	1183.7	1182.6
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9



TEST NUMBER: P333152-927

CATALOG NUMBER: S125DIP-S375D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	412.4	414.2	416.3	418.0	420.9	422.2	423.8	425.1	427.5	429.7	432.3
5°	384.6	387.7	391.9	396.5	401.8	405.4	410.6	413.7	419.9	425.6	431.1
7.5°	359.4	363.2	369.2	375.0	382.0	388.2	394.7	401.8	409.7	419.1	426.9
10°	342.1	347.2	353.6	361.0	369.4	376.7	385.3	393.0	402.7	413.7	424.0
12.5°	328.4	332.7	339.8	346.9	355.9	364.9	373.8	383.9	395.2	407.4	420.3
15°	309.3	313.0	318.9	328.6	337.7	346.5	359.9	369.4	383.7	397.2	412.8
17.5°	293.1	297.7	302.6	310.9	320.4	331.4	343.3	355.3	369.0	386.2	403.7
20°	283.2	286.8	292.5	298.9	309.0	320.0	331.3	343.4	360.2	378.0	396.9
22.5°	272.4	276.3	282.7	289.7	298.2	308.7	321.2	334.5	352.0	369.5	390.0
25°	259.6	262.3	268.2	274.4	282.8	291.8	304.8	319.4	336.8	356.8	377.6
27.5°	247.6	249.9	255.2	260.7	268.3	278.9	290.6	305.4	321.8	342.0	365.1
30°	238.8	241.5	246.2	252.1	259.4	268.7	280.6	294.5	312.1	331.8	356.0
32.5°	231.4	233.7	237.3	243.1	250.3	259.4	270.4	284.6	302.1	322.2	345.9
35°	219.8	222.4	225.1	229.7	235.9	244.7	256.8	270.2	287.0	306.4	328.2
37.5°	208.3	211.1	213.6	217.7	223.3	231.1	241.5	255.5	270.7	289.4	310.3
40°	201.1	203.4	205.4	209.8	215.5	222.8	232.5	244.9	261.0	278.5	295.8
42.5°	194.0	196.1	197.7	201.6	206.8	213.8	223.1	235.3	250.2	266.4	281.8
45°	182.7	183.9	186.0	189.3	193.5	199.9	208.8	219.7	232.3	247.6	259.2
47.5°	170.5	172.5	174.1	177.0	180.5	186.7	195.4	204.5	216.0	227.4	235.5
50°	161.1	163.1	165.5	168.3	171.5	177.4	185.2	194.6	204.3	213.1	220.0
52.5°	152.3	154.2	156.7	159.3	163.3	168.3	175.0	183.3	192.9	199.2	204.9
55°	139.3	140.2	143.1	145.7	149.6	153.2	160.0	167.3	173.2	177.9	182.7
57.5°	126.0	127.2	129.0	131.3	135.1	139.3	144.1	150.6	154.0	156.5	160.2
60°	117.5	117.9	119.0	121.8	124.7	128.5	134.0	138.6	141.2	143.1	146.2
62.5°	108.1	108.2	110.0	112.1	114.2	118.4	122.9	126.6	128.7	129.7	132.6
65°	95.0	94.7	95.7	97.4	100.0	102.7	106.5	109.8	109.6	110.7	112.6
67.5°	81.6	81.2	81.2	82.8	84.8	87.3	89.9	91.9	91.9	93.3	94.3
70°	72.5	71.4	72.1	73.4	74.3	76.4	79.3	80.0	80.2	80.9	81.8
72.5°	63.1	62.7	63.3	63.8	64.5	66.1	68.6	69.0	69.1	69.5	71.0
75°	50.1	49.8	49.4	50.0	50.7	51.8	52.7	53.5	53.2	53.5	54.6
77.5°	37.6	36.6	36.4	36.7	36.8	37.5	38.5	38.4	38.6	38.6	39.8
80°	29.9	28.4	28.2	28.2	28.4	28.8	29.1	29.5	28.9	29.5	29.9
82.5°	21.9	21.1	21.0	20.8	20.9	21.0	21.2	21.4	21.3	21.5	21.8
85°	12.1	11.7	11.2	11.6	11.3	10.8	11.2	10.6	10.5	10.6	10.8
87.5°	7.3	7.2	6.6	6.3	5.9	5.8	5.1	4.7	4.2	4.0	4.1
90°	15.8	14.7	13.3	11.9	10.5	9.0	7.4	5.9	4.2	2.5	1.0
92.5°	36.7	35.3	33.6	31.8	30.1	28.3	26.9	25.7	24.6	23.4	22.3
95°	72.3	70.9	68.8	66.8	64.7	62.7	61.5	61.1	60.7	60.2	59.8
97.5°	114.2	112.9	110.0	107.2	104.4	101.6	100.1	99.9	99.7	99.6	99.4
100°	142.7	140.9	138.2	135.5	132.8	130.2	128.9	128.9	128.9	128.9	128.9
102.5°	172.3	170.3	169.0	167.6	166.3	164.9	163.8	163.0	162.2	161.4	160.6
105°	221.3	220.0	218.8	217.5	216.3	215.1	214.0	212.9	211.9	210.9	209.8
107.5°	273.9	273.2	272.3	271.3	270.4	269.4	268.5	267.4	266.4	265.4	264.4
110°	309.9	309.3	308.7	308.1	307.4	306.8	306.0	305.0	304.0	302.9	302.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	346.4	346.1	345.3	344.6	343.8	343.0	342.4	341.8	341.3	340.8	340.2
115°	402.1	402.3	401.9	401.5	401.1	400.6	400.1	399.2	398.4	397.6	396.7
117.5°	456.9	456.8	456.4	456.1	455.7	455.3	455.0	454.6	454.2	453.8	453.4
120°	494.3	494.3	494.2	493.9	493.7	493.5	492.9	491.9	490.8	489.8	488.8
122.5°	531.0	531.2	530.6	530.1	529.6	529.0	528.5	528.2	527.8	527.5	527.1
125°	585.0	585.5	585.3	585.0	584.9	584.6	583.9	582.7	581.5	580.3	579.0
127.5°	638.3	638.5	638.3	638.0	637.8	637.5	637.1	636.4	635.6	634.9	634.3
130°	673.7	673.8	673.4	673.0	672.6	672.2	671.5	670.5	669.5	668.4	667.4
132.5°	707.5	707.7	707.8	707.9	708.0	708.1	707.3	705.6	703.9	702.2	700.5
135°	759.5	759.5	759.2	759.1	758.8	758.7	758.0	756.7	755.5	754.2	753.0
137.5°	809.9	809.7	809.3	808.8	808.3	807.9	807.1	805.9	804.7	803.5	802.3
140°	841.8	841.4	840.7	840.2	839.6	838.9	838.1	837.1	836.1	835.0	834.0
142.5°	873.3	873.1	872.3	871.5	870.7	870.0	869.1	868.2	867.4	866.6	865.7
145°	918.7	918.7	918.1	917.5	916.9	916.2	915.5	914.7	913.9	913.1	912.3
147.5°	960.0	959.6	959.1	958.6	958.1	957.6	957.1	956.7	956.2	955.8	955.4
150°	986.8	986.8	986.0	985.2	984.4	983.6	983.3	983.5	983.7	983.9	984.0
152.5°	1010.9	1010.4	1010.1	1009.7	1009.4	1009.1	1008.8	1008.5	1008.2	1007.9	1007.7
155°	1045.7	1044.8	1044.7	1044.4	1044.3	1044.0	1043.9	1043.9	1043.9	1043.9	1043.9
157.5°	1076.0	1075.2	1075.0	1074.8	1074.6	1074.4	1074.5	1075.0	1075.4	1075.9	1076.3
160°	1094.4	1093.6	1093.4	1093.2	1093.0	1092.8	1093.0	1093.6	1094.2	1094.9	1095.4
162.5°	1111.5	1110.6	1110.5	1110.5	1110.4	1110.4	1110.6	1111.0	1111.5	1112.0	1112.4
165°	1135.0	1134.1	1133.9	1133.7	1133.5	1133.3	1133.4	1133.9	1134.2	1134.6	1135.0
167.5°	1151.8	1150.5	1150.5	1150.5	1150.5	1150.5	1150.9	1151.8	1152.5	1153.3	1154.2
170°	1162.1	1160.8	1160.8	1160.8	1160.8	1160.8	1161.3	1162.1	1162.8	1163.7	1164.5
172.5°	1169.4	1168.2	1168.2	1168.2	1168.2	1168.2	1168.6	1169.4	1170.2	1171.1	1171.9
175°	1177.7	1176.5	1176.5	1176.5	1176.5	1176.5	1176.9	1177.7	1178.5	1179.3	1180.1
177.5°	1181.7	1180.7	1180.8	1181.1	1181.2	1181.4	1181.8	1182.4	1183.0	1183.8	1184.4
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9



TEST NUMBER: P333152-927

CATALOG NUMBER: S125DIP-S375D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	433.6	435.6	437.0	439.4	441.5	442.7	443.7	444.6	445.6	446.5	449.0
5°	436.4	441.2	445.2	451.4	457.1	461.4	466.2	470.4	473.9	478.9	482.7
7.5°	435.1	443.6	452.5	462.2	472.0	481.1	489.6	497.4	504.5	513.2	520.8
10°	434.0	445.5	456.9	469.9	483.2	494.6	505.2	516.0	523.9	534.9	544.2
12.5°	433.2	446.7	460.4	476.0	490.7	506.8	520.9	528.8	540.7	549.5	560.6
15°	429.4	447.3	466.2	483.8	504.7	519.5	532.0	547.3	558.5	569.7	581.7
17.5°	422.8	443.1	464.2	487.3	507.2	523.2	539.2	554.1	567.4	582.3	597.4
20°	419.7	440.1	464.2	487.8	507.4	524.0	540.5	556.8	571.5	590.7	608.1
22.5°	413.3	437.8	460.1	483.2	503.3	521.4	540.1	558.6	578.1	599.8	621.5
25°	401.8	426.7	450.3	473.0	493.3	516.0	536.0	560.7	585.6	614.3	641.4
27.5°	389.8	413.7	435.3	457.2	480.9	506.7	532.5	560.5	593.2	629.5	667.7
30°	380.2	402.7	423.7	446.2	471.0	499.9	528.3	561.6	599.3	640.1	685.6
32.5°	368.9	389.7	410.1	434.0	460.9	491.4	524.5	561.0	606.3	652.7	699.4
35°	349.6	367.0	388.1	413.5	443.9	478.9	517.1	560.3	612.3	665.6	704.9
37.5°	326.8	342.9	365.1	393.0	424.8	462.4	507.8	559.0	614.3	656.7	669.4
40°	311.3	326.4	349.4	378.3	410.9	450.7	500.4	554.6	608.1	635.2	624.7
42.5°	294.9	310.7	333.2	361.8	396.9	440.1	491.2	545.4	590.3	600.5	564.4
45°	269.1	285.3	307.5	336.4	374.1	421.0	474.3	523.6	549.3	530.8	475.0
47.5°	245.0	260.3	280.8	310.7	349.6	398.1	449.3	488.6	490.7	446.6	386.9
50°	228.6	242.7	263.4	293.3	331.8	381.0	427.2	458.2	444.3	394.3	337.0
52.5°	212.5	226.3	246.7	276.2	314.4	359.4	402.5	424.2	398.0	346.7	297.8
55°	189.3	201.4	221.3	248.6	284.8	326.5	363.1	370.7	336.6	286.1	246.4
57.5°	166.6	177.8	196.0	221.1	254.3	291.2	319.9	318.2	282.3	238.9	207.4
60°	151.2	162.2	178.3	202.8	233.1	264.9	289.4	283.5	247.9	210.5	183.9
62.5°	137.4	147.3	162.5	183.9	211.5	241.0	261.1	252.5	217.5	184.9	163.9
65°	117.2	125.4	138.4	156.7	179.6	203.9	219.5	208.3	178.5	153.0	136.2
67.5°	97.8	104.4	115.3	129.9	149.4	169.0	178.4	167.2	143.3	124.8	112.3
70°	85.5	91.3	99.7	112.7	129.8	146.2	153.4	143.3	122.8	106.9	97.9
72.5°	73.2	78.0	85.4	97.1	110.7	125.0	131.3	121.7	104.8	91.3	83.0
75°	56.6	59.9	65.0	73.0	83.8	95.2	98.6	90.2	79.5	69.4	63.8
77.5°	40.5	43.3	47.1	52.2	59.9	67.1	70.1	65.3	57.0	50.5	46.0
80°	31.1	32.6	35.9	40.1	46.1	50.7	52.7	49.6	43.7	39.0	35.5
82.5°	22.2	23.7	25.6	29.1	33.0	36.0	38.2	36.1	31.9	28.1	26.1
85°	10.8	11.7	12.8	14.3	17.2	19.0	18.9	17.6	15.9	14.5	13.4
87.5°	4.4	4.8	5.5	6.7	7.4	8.2	8.8	8.8	8.5	8.2	8.1
90°	2.5	4.2	5.9	7.4	9.0	10.5	11.9	13.3	14.7	15.8	16.8
92.5°	23.4	24.6	25.7	26.9	28.3	30.1	31.8	33.6	35.3	36.7	38.0
95°	60.2	60.7	61.1	61.5	62.7	64.7	66.8	68.8	70.9	72.3	73.8
97.5°	99.6	99.7	99.9	100.1	101.6	104.4	107.2	110.0	112.9	114.2	115.6
100°	128.9	128.9	128.9	128.9	130.2	132.8	135.5	138.2	140.9	142.7	144.5
102.5°	161.4	162.2	163.0	163.8	164.9	166.3	167.6	169.0	170.3	172.3	174.3
105°	210.9	211.9	212.9	214.0	215.1	216.3	217.5	218.8	220.0	221.3	222.4
107.5°	265.4	266.4	267.4	268.5	269.4	270.4	271.3	272.3	273.2	273.9	274.4
110°	302.9	304.0	305.0	306.0	306.8	307.4	308.1	308.7	309.3	309.9	310.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	340.8	341.3	341.8	342.4	343.0	343.8	344.6	345.3	346.1	346.4	346.7
115°	397.6	398.4	399.2	400.1	400.6	401.1	401.5	401.9	402.3	402.1	401.9
117.5°	453.8	454.2	454.6	455.0	455.3	455.7	456.1	456.4	456.8	456.9	457.1
120°	489.8	490.8	491.9	492.9	493.5	493.7	493.9	494.2	494.3	494.3	494.3
122.5°	527.5	527.8	528.2	528.5	529.0	529.6	530.1	530.6	531.2	531.0	530.8
125°	580.3	581.5	582.7	583.9	584.6	584.9	585.0	585.3	585.5	585.0	584.6
127.5°	634.9	635.6	636.4	637.1	637.5	637.8	638.0	638.3	638.5	638.3	638.1
130°	668.4	669.5	670.5	671.5	672.2	672.6	673.0	673.4	673.8	673.7	673.4
132.5°	702.2	703.9	705.6	707.3	708.1	708.0	707.9	707.8	707.7	707.5	707.3
135°	754.2	755.5	756.7	758.0	758.7	758.8	759.1	759.2	759.5	759.5	759.5
137.5°	803.5	804.7	805.9	807.1	807.9	808.3	808.8	809.3	809.7	809.9	810.2
140°	835.0	836.1	837.1	838.1	838.9	839.6	840.2	840.7	841.4	841.8	842.2
142.5°	866.6	867.4	868.2	869.1	870.0	870.7	871.5	872.3	873.1	873.3	873.5
145°	913.1	913.9	914.7	915.5	916.2	916.9	917.5	918.1	918.7	918.7	918.7
147.5°	955.8	956.2	956.7	957.1	957.6	958.1	958.6	959.1	959.6	960.0	960.6
150°	983.9	983.7	983.5	983.3	983.6	984.4	985.2	986.0	986.8	986.8	986.8
152.5°	1007.9	1008.2	1008.5	1008.8	1009.1	1009.4	1009.7	1010.1	1010.4	1010.9	1011.4
155°	1043.9	1043.9	1043.9	1043.9	1044.0	1044.3	1044.4	1044.7	1044.8	1045.7	1046.5
157.5°	1075.9	1075.4	1075.0	1074.5	1074.4	1074.6	1074.8	1075.0	1075.2	1076.0	1076.8
160°	1094.9	1094.2	1093.6	1093.0	1092.8	1093.0	1093.2	1093.4	1093.6	1094.4	1095.3
162.5°	1112.0	1111.5	1111.0	1110.6	1110.4	1110.4	1110.5	1110.5	1110.6	1111.5	1112.5
165°	1134.6	1134.2	1133.9	1133.4	1133.3	1133.5	1133.7	1133.9	1134.1	1135.0	1135.8
167.5°	1153.3	1152.5	1151.8	1150.9	1150.5	1150.5	1150.5	1150.5	1150.5	1151.8	1152.9
170°	1163.7	1162.8	1162.1	1161.3	1160.8	1160.8	1160.8	1160.8	1160.8	1162.1	1163.2
172.5°	1171.1	1170.2	1169.4	1168.6	1168.2	1168.2	1168.2	1168.2	1168.2	1169.4	1170.6
175°	1179.3	1178.5	1177.7	1176.9	1176.5	1176.5	1176.5	1176.5	1176.5	1177.7	1178.9
177.5°	1183.8	1183.0	1182.4	1181.8	1181.4	1181.2	1181.1	1180.8	1180.7	1181.7	1182.6
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	451.1	452.2	454.7	453.8	455.0	455.6	456.1
5°	487.4	493.3	495.9	495.5	499.4	498.4	497.5
7.5°	528.6	534.7	538.2	542.5	544.9	545.2	547.3
10°	551.9	559.9	563.2	567.8	570.8	572.4	572.2
12.5°	569.7	576.1	583.4	585.7	589.6	591.8	591.0
15°	591.3	601.3	609.0	612.8	617.8	619.2	621.2
17.5°	610.5	623.9	632.9	644.8	649.4	652.1	650.5
20°	625.0	642.7	651.6	665.9	673.8	678.0	676.5
22.5°	642.1	661.3	677.9	690.2	702.2	707.9	709.1
25°	671.5	697.8	722.2	738.4	753.2	756.7	764.4
27.5°	704.3	735.3	761.4	778.5	788.8	792.7	795.1
30°	724.8	755.8	775.4	786.4	789.6	789.3	788.9
32.5°	735.0	754.3	758.1	755.0	747.5	741.1	734.4
35°	720.6	706.2	684.6	656.8	636.3	615.6	613.5
37.5°	648.2	601.9	565.9	525.8	502.6	488.3	478.4
40°	579.9	527.4	483.8	450.0	426.4	417.0	407.8
42.5°	505.8	455.6	417.0	388.7	371.0	360.6	353.4
45°	410.9	366.6	336.4	315.9	301.8	293.8	289.2
47.5°	336.8	304.0	278.3	263.5	253.8	247.6	247.6
50°	296.9	265.6	248.6	236.9	228.5	223.5	224.4
52.5°	261.6	238.2	223.7	213.9	207.6	204.6	204.5
55°	218.7	201.9	192.4	185.2	181.0	177.5	178.3
57.5°	187.1	172.9	166.5	160.6	157.6	156.3	154.2
60°	167.5	156.5	151.0	146.2	143.3	142.2	140.2
62.5°	150.0	141.4	136.1	132.2	129.6	129.2	127.6
65°	126.1	119.5	114.8	113.0	110.2	109.5	109.5
67.5°	103.9	99.3	95.5	93.9	92.7	92.8	92.0
70°	90.1	86.2	83.8	82.0	81.1	81.3	80.6
72.5°	78.8	74.5	72.4	71.3	70.1	70.6	70.3
75°	59.7	57.5	56.4	55.3	54.6	54.2	53.8
77.5°	43.8	41.9	41.0	40.4	40.6	39.6	40.3
80°	33.8	32.2	31.7	30.7	30.6	30.6	30.4
82.5°	24.8	23.8	23.4	22.7	22.3	22.7	22.2
85°	12.8	12.1	11.9	11.9	11.6	11.2	12.1
87.5°	8.2	7.8	8.0	8.0	8.2	8.1	7.9
90°	17.8	18.9	19.6	20.3	20.8	21.5	22.1
92.5°	39.4	40.7	41.7	42.1	42.5	43.0	43.4
95°	75.2	76.6	77.6	78.0	78.3	78.7	79.1
97.5°	116.9	118.3	119.1	119.3	119.5	119.8	120.0
100°	146.4	148.2	149.3	149.7	150.1	150.6	151.0
102.5°	176.3	178.3	179.6	180.2	180.8	181.3	181.9
105°	223.7	224.9	225.9	226.5	227.0	227.7	228.3
107.5°	275.0	275.7	276.0	275.9	275.9	275.8	275.8
110°	311.2	311.7	312.0	311.7	311.6	311.3	311.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	347.0	347.3	347.2	346.9	346.5	346.1	345.8
115°	401.6	401.5	401.2	401.1	400.8	400.6	400.4
117.5°	457.2	457.4	457.1	456.3	455.5	454.6	453.8
120°	494.3	494.3	493.9	493.1	492.3	491.5	490.7
122.5°	530.7	530.5	530.1	529.4	528.8	528.1	527.5
125°	584.2	583.8	583.5	583.4	583.1	582.9	582.7
127.5°	637.9	637.7	637.4	637.0	636.5	636.1	635.7
130°	673.2	673.0	672.7	672.3	671.9	671.5	671.1
132.5°	707.1	706.9	706.5	705.9	705.4	704.8	704.3
135°	759.5	759.5	759.1	758.2	757.4	756.6	755.7
137.5°	810.5	810.7	810.3	809.3	808.3	807.2	806.2
140°	842.6	843.0	842.7	841.7	840.7	839.6	838.6
142.5°	873.8	874.0	873.6	872.6	871.6	870.6	869.6
145°	918.7	918.7	918.4	917.8	917.2	916.6	915.9
147.5°	961.1	961.6	961.1	959.7	958.3	957.0	955.5
150°	986.8	986.8	986.7	986.2	985.8	985.4	985.0
152.5°	1011.9	1012.3	1012.3	1011.5	1010.7	1010.0	1009.3
155°	1047.3	1048.1	1048.0	1046.9	1045.9	1045.0	1043.9
157.5°	1077.7	1078.5	1078.2	1076.9	1075.5	1074.2	1072.9
160°	1096.1	1096.9	1096.8	1095.7	1094.7	1093.7	1092.7
162.5°	1113.5	1114.5	1114.4	1113.2	1112.0	1110.8	1109.6
165°	1136.5	1137.4	1137.2	1136.0	1134.7	1133.5	1132.3
167.5°	1154.2	1155.4	1155.4	1154.1	1152.9	1151.6	1150.3
170°	1164.5	1165.7	1165.6	1164.2	1162.8	1161.3	1159.9
172.5°	1171.9	1173.1	1173.1	1171.8	1170.5	1169.3	1168.0
175°	1180.1	1181.4	1181.3	1179.9	1178.5	1176.9	1175.5
177.5°	1183.7	1184.6	1184.6	1183.4	1182.3	1181.1	1180.0
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9

(END OF REPORT)