

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: P332519-940

Luminaire Tested: **S124DIP-S350D1035U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332519-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIP-S350D1035U940-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4703.5 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

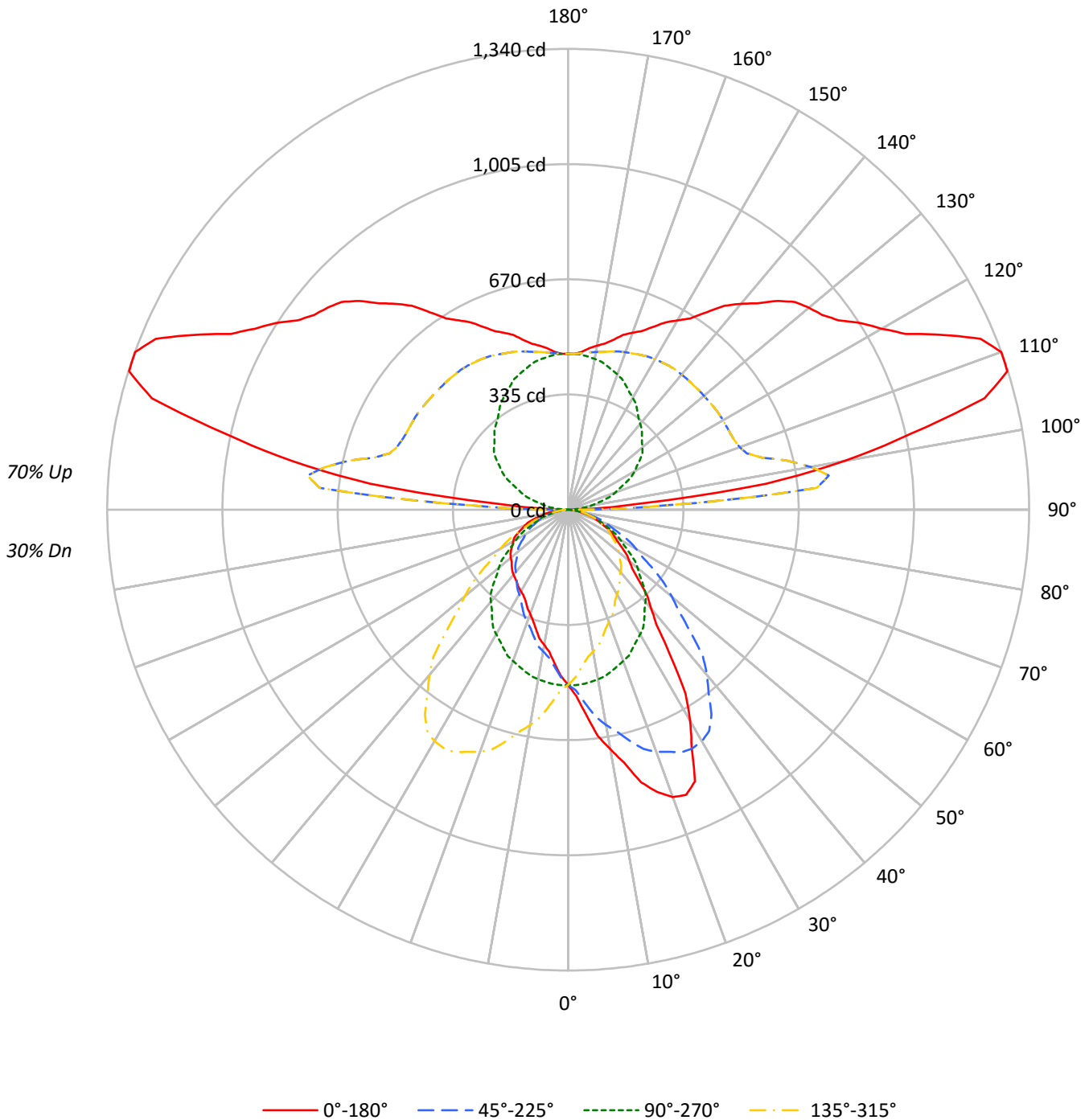
Input Watts (W): 37.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20			20			20			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	92	92	92	92	72	72	72	54	54	54	38	38	38	30
1	93	89	86	82	84	80	77	74	63	61	59	48	46	45	33	33	32	25
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	28	27	22
3	78	69	62	56	69	62	56	51	49	45	42	37	35	32	26	25	23	18
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	41	58	49	42	37	39	34	30	30	27	24	21	19	18	14
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	19	17	15	12
7	55	44	36	31	50	39	33	28	32	27	23	24	21	18	18	15	14	11
8	51	39	32	27	46	36	29	25	29	24	21	22	19	16	16	14	12	10
9	48	36	29	24	43	33	26	22	26	22	18	20	17	15	15	13	11	9
10	44	33	26	21	40	30	24	20	24	20	16	19	16	13	14	12	10	8

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

	0°	90°	180°	270°
0°	4112	4112	4112	4112
5°	4843	4123	3639	4123
10°	5799	4105	3277	4105
15°	6861	4064	3010	4064
20°	7640	4021	2770	4021
25°	7764	3958	2605	3958
30°	6605	3899	2553	3899
35°	5078	3802	2553	3802
40°	3959	3687	2602	3687
45°	3301	3515	2646	3515
50°	2905	3304	2735	3304
55°	2662	3054	2846	3054
60°	2493	2827	2977	2827
65°	2321	2575	3089	2575
70°	2122	2325	3158	2325
75°	1896	2046	3119	2046
80°	1590	1678	3022	1678
85°	1176	1213	2890	1213



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.6	1.1
10°-20°	153.0	3.3
20°-30°	242.6	5.2
30°-40°	270.0	5.7
40°-50°	245.7	5.2
50°-60°	200.8	4.3
60°-70°	143.4	3.0
70°-80°	78.9	1.7
80°-90°	24.1	0.5
90°-100°	327.3	7.0
100°-110°	681.1	14.5
110°-120°	610.1	13.0
120°-130°	513.2	10.9
130°-140°	427.9	9.1
140°-150°	326.9	7.0
150°-160°	229.8	4.9
160°-170°	135.2	2.9
170°-180°	44.0	0.9
0°-30°	445.2	9.5
0°-40°	715.2	15.2
0°-60°	1161.7	24.7
0°-90°	1408.1	29.9
90°-120°	1618.5	34.4
90°-150°	2886.5	61.4
90°-180°	3295.0	70.1
0°-180°	4703.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	509	509	509	509	509	
5°	598	509	449	509	598	61
15°	821	486	360	486	821	232
25°	872	444	292	444	872	384
35°	515	386	259	386	515	327
45°	289	308	232	308	289	228
55°	189	217	202	217	189	171
65°	122	135	162	135	122	120
75°	61	66	100	66	61	65
85°	13	13	31	13	13	16
90°	19	1	19	1	19	16
95°	217	29	217	29	217	337
105°	1252	104	1252	104	1252	1238
115°	1203	183	1203	183	1203	1194
125°	960	256	960	256	960	872
135°	858	304	858	304	858	662
145°	701	350	701	350	701	444
155°	587	398	587	398	587	274
165°	512	434	512	434	512	147
175°	461	452	461	452	461	45
180°	453	453	453	453	453	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	542.2	542.1	540.4	540.0	538.9	537.3	537.0	534.2	528.9	526.3	525.7
5°	597.6	601.9	596.4	595.3	594.7	587.7	584.2	580.0	570.2	564.5	560.1
7.5°	663.9	664.3	661.9	660.0	654.6	648.5	639.4	629.7	618.1	606.2	597.1
10°	707.4	709.1	706.3	706.0	695.2	688.4	674.9	663.5	650.4	635.9	622.6
12.5°	753.3	751.0	749.6	740.6	738.5	726.2	710.5	698.8	678.6	661.8	644.2
15°	820.9	816.3	813.3	800.9	794.8	777.7	761.0	748.1	721.8	696.6	677.6
17.5°	860.6	865.2	858.4	853.3	837.5	825.5	808.4	781.4	760.8	729.6	705.6
20°	889.3	889.7	885.9	880.7	868.3	853.0	834.5	804.9	780.2	749.2	716.2
22.5°	897.1	897.2	895.5	890.6	881.2	868.9	850.2	825.5	795.6	761.9	728.9
25°	871.6	870.8	872.6	878.2	874.6	870.8	860.0	841.6	813.8	778.1	742.6
27.5°	776.9	782.7	793.4	806.9	819.9	829.8	832.6	828.8	811.6	782.3	745.1
30°	708.6	715.9	723.9	737.4	763.6	778.6	795.0	807.4	800.5	777.0	742.4
32.5°	633.7	635.5	647.4	662.7	686.7	715.5	741.6	767.0	775.3	763.0	734.1
35°	515.3	518.4	531.2	546.4	575.7	611.0	650.2	685.3	714.2	725.8	711.0
37.5°	420.5	429.0	438.1	454.4	480.3	512.0	552.8	598.2	641.2	670.1	675.0
40°	375.7	380.9	387.4	399.9	421.9	453.1	488.1	540.0	585.9	627.2	640.7
42.5°	340.2	343.3	347.3	358.6	375.2	406.4	438.4	484.0	529.9	579.4	602.1
45°	289.1	292.3	299.1	305.6	318.3	339.7	369.5	407.1	453.3	501.0	542.8
47.5°	252.3	254.2	258.2	265.3	276.1	290.3	314.4	345.8	388.6	435.0	479.5
50°	231.3	233.0	236.1	242.5	250.7	263.4	283.2	312.5	346.1	392.7	436.4
52.5°	214.7	215.4	217.8	222.0	228.6	239.2	255.6	279.8	311.0	352.6	396.1
55°	189.1	189.9	192.1	195.2	200.9	207.7	220.1	238.3	265.5	301.6	339.4
57.5°	168.0	168.6	170.3	171.6	176.3	181.7	191.4	204.3	224.9	255.6	289.3
60°	154.4	154.1	156.1	157.2	160.4	165.1	172.5	184.9	202.8	227.5	258.5
62.5°	141.3	140.7	142.5	143.9	145.7	149.6	155.7	165.4	180.0	202.3	229.2
65°	121.5	120.7	121.8	123.5	125.1	127.2	131.7	140.4	151.9	168.0	188.4
67.5°	101.7	102.6	102.8	103.6	104.6	107.5	110.5	116.6	124.8	137.7	155.0
70°	89.9	90.2	91.0	91.0	91.6	94.2	96.7	100.2	108.3	120.1	134.2
72.5°	78.1	79.0	78.6	79.3	79.8	81.5	83.3	86.8	93.5	102.4	114.3
75°	60.8	61.4	61.4	61.6	62.2	62.9	64.4	66.9	71.8	78.3	86.5
77.5°	44.3	44.4	44.7	45.5	45.5	46.5	47.5	49.6	52.0	56.4	61.5
80°	34.2	34.6	34.4	34.9	34.9	35.7	36.1	38.6	39.7	42.6	46.6
82.5°	25.1	25.5	25.4	26.0	26.4	26.6	27.1	28.2	29.2	31.8	33.4
85°	12.7	13.1	12.7	13.1	13.7	13.9	14.5	14.8	15.6	16.2	17.7
87.5°	7.5	7.9	8.1	8.1	8.3	8.5	8.5	8.1	8.6	8.9	9.3
90°	18.7	18.7	19.6	18.7	17.8	17.8	16.9	16.1	15.2	16.1	14.3
92.5°	68.6	68.6	71.6	76.4	86.9	104.7	131.6	174.9	235.2	282.4	247.1
95°	217.2	228.8	244.8	272.4	316.0	402.3	521.7	659.6	746.0	725.5	547.5
97.5°	580.6	599.1	625.8	679.4	743.3	836.2	923.3	974.6	937.2	764.1	512.4
100°	816.4	823.4	850.2	904.5	981.9	1047.8	1091.4	1073.6	943.6	715.7	464.7
102.5°	1021.5	1027.2	1055.3	1094.6	1142.1	1169.6	1156.9	1068.6	890.2	655.2	432.7
105°	1252.5	1257.8	1270.3	1277.5	1275.7	1239.1	1151.0	997.0	793.2	584.0	405.0
107.5°	1338.4	1336.1	1327.1	1306.8	1262.8	1183.5	1059.4	895.4	714.8	544.1	400.0
110°	1339.8	1331.8	1315.7	1278.4	1215.1	1117.2	988.1	834.1	675.6	530.6	401.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1297.7	1284.8	1262.3	1217.1	1145.3	1047.4	925.4	789.3	653.6	524.1	405.7
115°	1202.7	1195.5	1167.1	1113.7	1043.3	957.9	853.7	744.2	632.9	520.8	413.9
117.5°	1106.3	1100.8	1072.0	1027.2	967.1	894.7	812.8	722.1	623.7	519.9	422.7
120°	1052.2	1042.4	1019.3	980.1	929.3	866.2	795.0	712.1	618.7	519.9	429.1
122.5°	1009.5	999.7	980.1	946.6	903.7	848.4	783.5	703.6	613.0	519.2	435.5
125°	959.7	954.3	937.4	911.6	875.9	827.0	765.5	689.0	603.6	518.1	445.1
127.5°	930.4	925.1	910.9	887.9	852.1	805.7	744.4	671.2	590.9	516.1	452.7
130°	913.4	908.0	893.8	871.5	835.0	787.8	727.3	657.0	583.1	515.4	458.4
132.5°	894.1	888.8	875.2	850.2	814.4	767.1	708.1	642.0	576.0	514.7	463.4
135°	858.2	852.8	838.6	813.7	778.0	733.5	679.2	621.3	565.3	513.6	470.9
137.5°	813.7	807.3	795.5	770.9	737.6	697.4	651.7	602.7	556.0	513.4	475.4
140°	781.6	774.5	762.1	742.4	711.2	673.9	633.8	592.0	551.1	512.7	478.9
142.5°	747.4	742.4	731.4	713.2	685.6	653.3	618.8	582.0	546.8	512.7	481.8
145°	700.6	696.2	687.2	672.1	649.9	624.9	598.2	567.9	539.5	511.0	483.4
147.5°	659.1	657.5	650.8	637.8	621.3	601.8	580.4	556.3	532.9	507.7	484.3
150°	635.6	634.7	629.4	617.8	603.6	587.5	569.7	549.3	527.9	505.6	484.3
152.5°	614.2	613.3	610.1	600.7	588.6	575.4	559.0	541.4	522.2	502.0	482.9
155°	586.7	586.7	584.0	576.8	567.9	557.2	543.9	529.7	513.6	496.8	480.7
157.5°	562.4	562.4	560.8	555.4	548.8	540.2	529.0	517.0	504.9	491.2	478.4
160°	547.5	547.5	546.6	541.3	535.9	528.8	519.0	509.2	498.6	487.0	476.3
162.5°	533.2	534.0	533.1	527.7	523.8	517.4	509.7	501.3	492.8	482.7	474.1
165°	511.8	512.7	513.6	510.1	506.5	502.0	495.9	490.5	483.4	476.3	470.0
167.5°	495.0	495.7	495.9	493.6	491.8	489.1	484.1	480.0	474.8	469.8	465.7
170°	484.3	484.3	485.2	484.3	482.5	479.8	476.3	473.6	469.1	465.6	462.9
172.5°	473.6	475.0	475.9	475.0	473.9	472.0	469.8	467.9	464.1	461.3	460.0
175°	461.1	462.9	464.7	462.9	462.9	462.9	461.1	460.2	458.4	456.6	456.6
177.5°	453.8	455.2	456.6	455.9	456.6	455.9	455.9	455.2	454.5	453.8	453.8
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	525.8	523.4	521.7	520.4	516.7	514.5	512.8	510.5	507.7	504.9	501.3
5°	555.6	548.5	543.2	535.2	527.6	521.3	514.7	508.8	501.7	493.8	488.1
7.5°	587.0	576.3	562.7	550.8	537.4	525.8	515.5	504.9	493.8	483.0	473.2
10°	607.0	593.3	578.0	560.1	543.2	528.2	514.3	500.8	487.7	474.7	463.4
12.5°	628.4	611.3	588.8	567.8	548.9	528.9	512.1	495.5	479.7	466.0	453.0
15°	657.2	632.5	606.5	578.5	553.6	530.1	507.1	486.2	468.5	450.3	437.7
17.5°	674.8	644.3	614.7	585.3	555.2	525.6	500.8	476.7	454.5	436.5	420.5
20°	686.5	656.1	619.2	589.9	554.0	523.6	494.9	468.1	444.9	425.7	409.2
22.5°	696.6	661.6	624.6	585.9	550.3	518.0	486.6	459.7	436.0	415.7	399.9
25°	702.1	661.8	621.7	583.3	542.8	504.6	476.1	444.4	419.1	397.8	380.9
27.5°	702.8	659.6	614.2	571.6	529.8	494.2	458.3	429.9	403.7	381.1	364.9
30°	700.9	655.9	607.2	561.0	519.0	480.4	449.1	418.3	391.5	369.1	352.2
32.5°	694.9	648.2	598.1	549.1	505.6	467.8	435.6	406.3	380.1	358.1	340.4
35°	677.9	631.6	578.3	527.4	482.9	444.7	415.5	385.8	359.6	338.8	321.6
37.5°	651.1	609.4	555.1	502.5	458.7	420.4	391.5	364.6	341.0	319.8	302.3
40°	627.9	591.1	536.6	485.4	438.1	401.6	374.6	349.9	326.5	306.4	289.7
42.5°	601.0	569.0	518.8	464.5	418.8	382.2	355.9	333.7	311.7	293.1	276.4
45°	553.1	532.0	484.7	434.5	387.0	352.4	327.3	307.9	289.4	271.2	257.3
47.5°	498.1	487.6	447.8	400.1	355.1	320.9	299.2	281.2	264.9	249.6	237.3
50°	461.1	456.0	421.7	375.7	332.6	300.5	278.6	263.1	249.2	235.8	224.1
52.5°	424.6	424.5	393.4	351.3	311.5	280.6	258.8	244.4	232.4	221.4	211.0
55°	368.9	374.8	350.5	313.0	277.3	249.4	229.8	217.0	208.5	199.5	191.6
57.5°	317.7	327.5	307.5	274.4	244.6	219.0	201.9	192.3	183.2	177.7	172.0
60°	284.3	293.6	277.9	250.1	222.0	200.1	183.8	175.1	167.4	163.5	159.5
62.5°	254.6	262.8	251.3	225.4	201.1	179.9	166.2	157.9	152.7	148.6	145.9
65°	212.1	219.1	209.1	190.4	169.4	152.6	141.4	134.8	129.8	128.1	125.1
67.5°	171.5	177.8	172.5	156.5	139.7	126.9	118.2	111.9	108.9	107.5	105.3
70°	147.3	153.6	147.9	134.0	121.1	110.4	102.1	98.5	95.4	94.8	91.8
72.5°	126.9	131.2	125.5	114.6	103.6	94.5	88.1	84.4	82.8	81.6	80.0
75°	95.1	99.0	95.1	86.8	78.9	72.6	67.1	65.6	63.8	63.1	62.1
77.5°	67.3	70.6	67.8	62.5	56.6	51.7	48.8	46.9	46.5	45.4	45.9
80°	51.5	53.6	50.8	47.3	42.6	39.2	37.2	36.1	34.9	34.4	35.2
82.5°	37.0	37.9	36.5	34.1	30.7	28.4	27.0	25.8	25.5	25.6	25.6
85°	19.2	19.0	18.8	16.7	15.6	14.2	13.3	13.1	12.8	13.3	13.7
87.5°	8.9	9.1	7.8	7.1	6.5	5.8	5.1	4.5	5.1	5.8	6.2
90°	12.5	12.5	7.1	7.1	6.2	5.4	2.7	0.9	2.7	5.4	6.2
92.5°	179.9	110.8	65.5	47.0	34.0	23.2	14.8	10.2	14.8	23.2	34.0
95°	334.7	188.7	111.3	73.9	52.5	40.9	32.0	29.3	32.0	40.9	52.5
97.5°	300.9	180.4	120.7	89.3	71.1	60.4	52.7	52.7	52.7	60.4	71.1
100°	283.1	182.5	130.0	101.5	84.5	73.9	67.7	67.7	67.7	73.9	84.5
102.5°	278.1	189.6	142.0	115.0	98.8	88.8	83.3	81.9	83.3	88.8	98.8
105°	280.4	206.5	163.8	137.9	122.0	111.3	106.8	104.2	106.8	111.3	122.0
107.5°	293.6	226.3	187.1	161.7	146.3	134.9	130.5	128.8	130.5	134.9	146.3
110°	303.5	241.2	202.1	178.1	162.0	151.3	146.9	145.1	146.9	151.3	162.0





TEST NUMBER: P332519-940

CATALOG NUMBER: S124DIP-S350D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	314.2	255.5	217.8	193.7	177.7	167.7	162.6	160.8	162.6	167.7	177.7
115°	331.2	277.8	242.1	218.1	201.2	192.3	186.0	183.4	186.0	192.3	201.2
117.5°	348.4	299.3	265.5	240.5	224.7	214.9	209.4	206.9	209.4	214.9	224.7
120°	360.5	314.2	280.4	255.5	240.3	230.6	224.4	222.6	224.4	230.6	240.3
122.5°	371.9	328.5	294.6	270.5	253.9	244.8	238.5	236.8	238.5	244.8	253.9
125°	389.1	348.0	316.0	291.1	274.2	264.4	259.0	255.5	259.0	264.4	274.2
127.5°	403.8	366.2	335.3	310.1	292.5	281.3	274.9	272.1	274.9	281.3	292.5
130°	413.0	378.4	348.0	322.3	305.3	291.9	284.9	281.3	284.9	291.9	305.3
132.5°	422.3	388.3	358.0	333.7	315.3	302.6	293.4	290.5	293.4	302.6	315.3
135°	434.4	402.3	373.0	349.8	331.2	316.0	307.1	303.5	307.1	316.0	331.2
137.5°	443.0	413.0	385.7	363.6	344.1	329.8	319.9	316.6	319.9	329.8	344.1
140°	448.6	420.2	393.5	372.1	353.4	338.3	328.5	325.8	328.5	338.3	353.4
142.5°	452.9	426.6	400.6	380.0	361.9	347.5	338.5	335.8	338.5	347.5	361.9
145°	457.5	433.5	410.4	390.8	373.9	361.4	352.5	349.8	352.5	361.4	373.9
147.5°	461.6	440.7	418.9	401.3	387.3	374.4	366.6	365.7	366.6	374.4	387.3
150°	463.8	444.3	424.6	407.7	394.4	383.7	376.6	375.7	376.6	383.7	394.4
152.5°	465.2	447.1	429.6	414.1	402.2	392.3	385.1	385.0	385.1	392.3	402.2
155°	466.5	451.3	436.2	422.8	413.0	404.1	398.8	397.9	398.8	404.1	413.0
157.5°	466.5	454.3	441.6	431.1	422.5	415.5	410.5	410.5	410.5	415.5	422.5
160°	466.5	455.8	445.1	435.3	428.2	422.0	418.4	418.4	418.4	422.0	428.2
162.5°	466.5	457.2	447.3	439.6	433.2	427.7	424.8	425.5	424.8	427.7	433.2
165°	464.7	457.5	449.5	444.3	439.8	435.3	433.5	433.5	433.5	435.3	439.8
167.5°	462.5	457.4	451.5	447.5	445.0	441.6	440.7	441.6	440.7	441.6	445.0
170°	461.1	456.6	452.2	449.5	447.8	445.1	444.3	445.1	444.3	445.1	447.8
172.5°	459.7	455.9	452.9	450.9	449.9	447.9	447.8	448.6	447.8	447.9	449.9
175°	457.5	454.9	453.1	453.1	452.2	451.3	451.3	452.2	451.3	451.3	452.2
177.5°	455.2	453.8	453.1	453.1	453.1	452.4	453.1	453.8	453.1	452.4	453.1
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



TEST NUMBER: P332519-940

CATALOG NUMBER: S124DIP-S350D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	499.6	498.1	496.0	492.9	490.4	487.7	487.0	486.0	488.0	486.3	485.8
5°	483.3	478.8	473.1	466.6	462.8	457.4	456.3	454.1	452.0	451.8	449.7
7.5°	465.9	459.4	451.9	445.3	439.2	433.1	429.2	428.4	425.3	423.4	421.3
10°	454.8	446.7	438.1	431.8	424.6	418.3	413.8	411.3	409.2	406.9	404.7
12.5°	441.7	433.1	426.0	419.1	410.6	405.8	398.5	394.1	393.7	393.7	388.3
15°	426.3	417.9	406.9	397.2	392.5	383.3	379.2	374.2	371.0	367.8	365.3
17.5°	408.8	398.2	389.7	378.5	369.7	362.3	357.0	354.0	349.2	344.7	341.5
20°	397.8	386.6	377.6	365.7	356.1	347.0	342.5	338.3	334.7	330.9	327.3
22.5°	386.6	375.0	363.9	352.4	343.4	333.8	329.5	323.8	320.4	318.3	314.7
25°	369.1	356.4	343.8	332.8	323.5	315.0	309.4	305.0	301.1	299.4	297.1
27.5°	350.0	337.4	325.2	312.7	302.2	296.0	291.5	288.2	286.0	283.7	282.7
30°	337.9	324.8	311.7	300.1	290.4	284.3	280.1	277.8	276.1	275.0	273.9
32.5°	325.6	312.6	298.9	288.3	279.6	274.1	270.9	268.6	267.8	267.4	267.0
35°	305.8	292.7	280.1	270.5	262.3	260.2	257.4	256.2	255.7	257.3	257.9
37.5°	286.7	274.6	262.9	253.7	248.3	245.2	244.2	244.3	245.8	247.1	248.6
40°	274.4	262.5	251.6	243.5	238.4	236.6	236.1	237.2	238.9	240.4	242.1
42.5°	262.3	250.7	240.8	233.3	229.7	227.9	228.2	229.3	231.7	233.4	235.9
45°	243.8	234.1	224.4	218.2	215.3	215.7	215.7	217.6	219.9	222.7	225.4
47.5°	226.2	216.4	208.5	203.3	201.8	201.4	202.6	205.1	208.4	211.8	215.6
50°	214.5	205.1	198.1	193.5	191.8	192.4	194.1	196.4	200.5	204.7	208.7
52.5°	202.4	193.9	187.5	183.2	182.0	183.2	184.9	188.5	192.1	196.6	201.4
55°	183.8	176.6	171.6	168.4	168.0	168.6	170.5	174.5	179.6	185.3	189.9
57.5°	165.3	159.3	154.6	152.5	152.7	153.3	156.4	161.1	166.6	172.6	178.6
60°	152.8	147.3	143.5	141.8	142.0	143.3	147.1	151.5	158.3	164.2	170.5
62.5°	141.0	136.2	132.5	131.0	130.7	133.5	137.1	141.7	148.5	155.1	161.9
65°	122.0	118.2	115.2	114.4	115.0	117.2	121.8	127.9	133.6	140.5	147.8
67.5°	103.4	100.3	98.3	98.6	99.4	102.5	106.4	111.6	118.2	125.4	132.4
70°	91.6	88.6	86.9	87.1	88.5	92.2	95.6	100.9	107.8	115.2	121.1
72.5°	79.5	77.5	76.0	76.9	78.1	80.7	85.0	90.2	96.4	103.3	109.5
75°	61.0	61.0	60.2	60.8	62.7	65.2	68.4	73.8	80.0	85.5	90.5
77.5°	45.2	44.8	45.3	46.1	47.2	50.2	53.9	57.8	62.3	67.9	72.1
80°	34.6	34.9	35.8	37.2	37.5	39.9	43.7	47.3	50.8	55.5	59.5
82.5°	26.0	26.2	26.8	28.4	28.8	31.3	33.7	37.3	40.6	43.7	47.0
85°	14.2	14.2	15.2	15.9	16.9	18.5	20.1	22.2	25.1	27.2	30.4
87.5°	6.9	6.9	8.6	8.9	9.8	11.0	11.1	13.2	14.0	15.1	16.6
90°	7.1	7.1	12.5	12.5	14.3	16.1	15.2	16.1	16.9	17.8	17.8
92.5°	47.0	65.5	110.8	179.9	247.1	282.4	235.2	174.9	131.6	104.7	86.9
95°	73.9	111.3	188.7	334.7	547.5	725.5	746.0	659.6	521.7	402.3	316.0
97.5°	89.3	120.7	180.4	300.9	512.4	764.1	937.2	974.6	923.3	836.2	743.3
100°	101.5	130.0	182.5	283.1	464.7	715.7	943.6	1073.6	1091.4	1047.8	981.9
102.5°	115.0	142.0	189.6	278.1	432.7	655.2	890.2	1068.6	1156.9	1169.6	1142.1
105°	137.9	163.8	206.5	280.4	405.0	584.0	793.2	997.0	1151.0	1239.1	1275.7
107.5°	161.7	187.1	226.3	293.6	400.0	544.1	714.8	895.4	1059.4	1183.5	1262.8
110°	178.1	202.1	241.2	303.5	401.4	530.6	675.6	834.1	988.1	1117.2	1215.1



TEST NUMBER: P332519-940

CATALOG NUMBER: S124DIP-S350D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	193.7	217.8	255.5	314.2	405.7	524.1	653.6	789.3	925.4	1047.4	1145.3
115°	218.1	242.1	277.8	331.2	413.9	520.8	632.9	744.2	853.7	957.9	1043.3
117.5°	240.5	265.5	299.3	348.4	422.7	519.9	623.7	722.1	812.8	894.7	967.1
120°	255.5	280.4	314.2	360.5	429.1	519.9	618.7	712.1	795.0	866.2	929.3
122.5°	270.5	294.6	328.5	371.9	435.5	519.2	613.0	703.6	783.5	848.4	903.7
125°	291.1	316.0	348.0	389.1	445.1	518.1	603.6	689.0	765.5	827.0	875.9
127.5°	310.1	335.3	366.2	403.8	452.7	516.1	590.9	671.2	744.4	805.7	852.1
130°	322.3	348.0	378.4	413.0	458.4	515.4	583.1	657.0	727.3	787.8	835.0
132.5°	333.7	358.0	388.3	422.3	463.4	514.7	576.0	642.0	708.1	767.1	814.4
135°	349.8	373.0	402.3	434.4	470.9	513.6	565.3	621.3	679.2	733.5	778.0
137.5°	363.6	385.7	413.0	443.0	475.4	513.4	556.0	602.7	651.7	697.4	737.6
140°	372.1	393.5	420.2	448.6	478.9	512.7	551.1	592.0	633.8	673.9	711.2
142.5°	380.0	400.6	426.6	452.9	481.8	512.7	546.8	582.0	618.8	653.3	685.6
145°	390.8	410.4	433.5	457.5	483.4	511.0	539.5	567.9	598.2	624.9	649.9
147.5°	401.3	418.9	440.7	461.6	484.3	507.7	532.9	556.3	580.4	601.8	621.3
150°	407.7	424.6	444.3	463.8	484.3	505.6	527.9	549.3	569.7	587.5	603.6
152.5°	414.1	429.6	447.1	465.2	482.9	502.0	522.2	541.4	559.0	575.4	588.6
155°	422.8	436.2	451.3	466.5	480.7	496.8	513.6	529.7	543.9	557.2	567.9
157.5°	431.1	441.6	454.3	466.5	478.4	491.2	504.9	517.0	529.0	540.2	548.8
160°	435.3	445.1	455.8	466.5	476.3	487.0	498.6	509.2	519.0	528.8	535.9
162.5°	439.6	447.3	457.2	466.5	474.1	482.7	492.8	501.3	509.7	517.4	523.8
165°	444.3	449.5	457.5	464.7	470.0	476.3	483.4	490.5	495.9	502.0	506.5
167.5°	447.5	451.5	457.4	462.5	465.7	469.8	474.8	480.0	484.1	489.1	491.8
170°	449.5	452.2	456.6	461.1	462.9	465.6	469.1	473.6	476.3	479.8	482.5
172.5°	450.9	452.9	455.9	459.7	460.0	461.3	464.1	467.9	469.8	472.0	473.9
175°	453.1	453.1	454.9	457.5	456.6	456.6	458.4	460.2	461.1	462.9	462.9
177.5°	453.1	453.1	453.8	455.2	453.8	453.8	454.5	455.2	455.9	455.9	456.6
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



TEST NUMBER: P332519-940

CATALOG NUMBER: S124DIP-S350D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	485.4	485.2	483.9	483.8	483.9	485.2	485.4	485.8	486.3	488.0	486.0
5°	448.4	447.4	446.7	449.1	446.7	447.4	448.4	449.7	451.8	452.0	454.1
7.5°	420.5	419.7	417.9	417.2	417.9	419.7	420.5	421.3	423.4	425.3	428.4
10°	402.7	401.8	400.1	399.7	400.1	401.8	402.7	404.7	406.9	409.2	411.3
12.5°	385.4	383.8	383.4	383.9	383.4	383.8	385.4	388.3	393.7	393.7	394.1
15°	362.6	361.7	359.4	360.1	359.4	361.7	362.6	365.3	367.8	371.0	374.2
17.5°	340.0	339.0	336.2	338.7	336.2	339.0	340.0	341.5	344.7	349.2	354.0
20°	325.8	324.1	322.7	322.4	322.7	324.1	325.8	327.3	330.9	334.7	338.3
22.5°	312.4	310.9	310.7	309.3	310.7	310.9	312.4	314.7	318.3	320.4	323.8
25°	295.4	294.0	293.6	292.5	293.6	294.0	295.4	297.1	299.4	301.1	305.0
27.5°	282.5	281.8	281.0	281.3	281.0	281.8	282.5	282.7	283.7	286.0	288.2
30°	274.6	274.4	273.9	273.9	273.9	274.4	274.6	273.9	275.0	276.1	277.8
32.5°	268.0	268.0	268.2	268.2	268.2	268.0	268.0	267.0	267.4	267.8	268.6
35°	258.8	259.4	259.8	259.1	259.8	259.4	258.8	257.9	257.3	255.7	256.2
37.5°	250.4	251.0	251.6	252.4	251.6	251.0	250.4	248.6	247.1	245.8	244.3
40°	244.0	245.4	245.8	246.9	245.8	245.4	244.0	242.1	240.4	238.9	237.2
42.5°	237.9	239.5	240.6	240.9	240.6	239.5	237.9	235.9	233.4	231.7	229.3
45°	228.5	230.2	231.8	231.8	231.8	230.2	228.5	225.4	222.7	219.9	217.6
47.5°	218.9	221.3	222.8	223.2	222.8	221.3	218.9	215.6	211.8	208.4	205.1
50°	212.3	215.3	216.8	217.8	216.8	215.3	212.3	208.7	204.7	200.5	196.4
52.5°	205.9	208.8	210.8	211.3	210.8	208.8	205.9	201.4	196.6	192.1	188.5
55°	194.7	199.0	201.3	202.2	201.3	199.0	194.7	189.9	185.3	179.6	174.5
57.5°	184.3	188.2	190.9	191.5	190.9	188.2	184.3	178.6	172.6	166.6	161.1
60°	176.2	180.5	183.8	184.4	183.8	180.5	176.2	170.5	164.2	158.3	151.5
62.5°	167.9	172.4	175.4	177.0	175.4	172.4	167.9	161.9	155.1	148.5	141.7
65°	153.6	158.1	161.0	161.7	161.0	158.1	153.6	147.8	140.5	133.6	127.9
67.5°	138.0	142.5	144.4	145.6	144.4	142.5	138.0	132.4	125.4	118.2	111.6
70°	127.1	130.6	132.8	133.8	132.8	130.6	127.1	121.1	115.2	107.8	100.9
72.5°	114.6	118.3	120.7	121.0	120.7	118.3	114.6	109.5	103.3	96.4	90.2
75°	95.4	98.8	100.0	100.0	100.0	98.8	95.4	90.5	85.5	80.0	73.8
77.5°	75.5	77.2	78.8	79.2	78.8	77.2	75.5	72.1	67.9	62.3	57.8
80°	62.7	63.8	65.0	65.0	65.0	63.8	62.7	59.5	55.5	50.8	47.3
82.5°	49.5	50.4	51.6	51.5	51.6	50.4	49.5	47.0	43.7	40.6	37.3
85°	30.0	31.8	31.7	31.2	31.7	31.8	30.0	30.4	27.2	25.1	22.2
87.5°	17.2	17.6	17.9	18.3	17.9	17.6	17.2	16.6	15.1	14.0	13.2
90°	18.7	19.6	18.7	18.7	18.7	19.6	18.7	17.8	17.8	16.9	16.1
92.5°	76.4	71.6	68.6	68.6	68.6	71.6	76.4	86.9	104.7	131.6	174.9
95°	272.4	244.8	228.8	217.2	228.8	244.8	272.4	316.0	402.3	521.7	659.6
97.5°	679.4	625.8	599.1	580.6	599.1	625.8	679.4	743.3	836.2	923.3	974.6
100°	904.5	850.2	823.4	816.4	823.4	850.2	904.5	981.9	1047.8	1091.4	1073.6
102.5°	1094.6	1055.3	1027.2	1021.5	1027.2	1055.3	1094.6	1142.1	1169.6	1156.9	1068.6
105°	1277.5	1270.3	1257.8	1252.5	1257.8	1270.3	1277.5	1275.7	1239.1	1151.0	997.0
107.5°	1306.8	1327.1	1336.1	1338.4	1336.1	1327.1	1306.8	1262.8	1183.5	1059.4	895.4
110°	1278.4	1315.7	1331.8	1339.8	1331.8	1315.7	1278.4	1215.1	1117.2	988.1	834.1



TEST NUMBER: P332519-940

CATALOG NUMBER: S124DIP-S350D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1217.1	1262.3	1284.8	1297.7	1284.8	1262.3	1217.1	1145.3	1047.4	925.4	789.3
115°	1113.7	1167.1	1195.5	1202.7	1195.5	1167.1	1113.7	1043.3	957.9	853.7	744.2
117.5°	1027.2	1072.0	1100.8	1106.3	1100.8	1072.0	1027.2	967.1	894.7	812.8	722.1
120°	980.1	1019.3	1042.4	1052.2	1042.4	1019.3	980.1	929.3	866.2	795.0	712.1
122.5°	946.6	980.1	999.7	1009.5	999.7	980.1	946.6	903.7	848.4	783.5	703.6
125°	911.6	937.4	954.3	959.7	954.3	937.4	911.6	875.9	827.0	765.5	689.0
127.5°	887.9	910.9	925.1	930.4	925.1	910.9	887.9	852.1	805.7	744.4	671.2
130°	871.5	893.8	908.0	913.4	908.0	893.8	871.5	835.0	787.8	727.3	657.0
132.5°	850.2	875.2	888.8	894.1	888.8	875.2	850.2	814.4	767.1	708.1	642.0
135°	813.7	838.6	852.8	858.2	852.8	838.6	813.7	778.0	733.5	679.2	621.3
137.5°	770.9	795.5	807.3	813.7	807.3	795.5	770.9	737.6	697.4	651.7	602.7
140°	742.4	762.1	774.5	781.6	774.5	762.1	742.4	711.2	673.9	633.8	592.0
142.5°	713.2	731.4	742.4	747.4	742.4	731.4	713.2	685.6	653.3	618.8	582.0
145°	672.1	687.2	696.2	700.6	696.2	687.2	672.1	649.9	624.9	598.2	567.9
147.5°	637.8	650.8	657.5	659.1	657.5	650.8	637.8	621.3	601.8	580.4	556.3
150°	617.8	629.4	634.7	635.6	634.7	629.4	617.8	603.6	587.5	569.7	549.3
152.5°	600.7	610.1	613.3	614.2	613.3	610.1	600.7	588.6	575.4	559.0	541.4
155°	576.8	584.0	586.7	586.7	586.7	584.0	576.8	567.9	557.2	543.9	529.7
157.5°	555.4	560.8	562.4	562.4	562.4	560.8	555.4	548.8	540.2	529.0	517.0
160°	541.3	546.6	547.5	547.5	547.5	546.6	541.3	535.9	528.8	519.0	509.2
162.5°	527.7	533.1	534.0	533.2	534.0	533.1	527.7	523.8	517.4	509.7	501.3
165°	510.1	513.6	512.7	511.8	512.7	513.6	510.1	506.5	502.0	495.9	490.5
167.5°	493.6	495.9	495.7	495.0	495.7	495.9	493.6	491.8	489.1	484.1	480.0
170°	484.3	485.2	484.3	484.3	484.3	485.2	484.3	482.5	479.8	476.3	473.6
172.5°	475.0	475.9	475.0	473.6	475.0	475.9	475.0	473.9	472.0	469.8	467.9
175°	462.9	464.7	462.9	461.1	462.9	464.7	462.9	462.9	462.9	461.1	460.2
177.5°	455.9	456.6	455.2	453.8	455.2	456.6	455.9	456.6	455.9	455.9	455.2
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



TEST NUMBER: P332519-940

CATALOG NUMBER: S124DIP-S350D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	487.0	487.7	490.4	492.9	496.0	498.1	499.6	501.3	504.9	507.7	510.5
5°	456.3	457.4	462.8	466.6	473.1	478.8	483.3	488.1	493.8	501.7	508.8
7.5°	429.2	433.1	439.2	445.3	451.9	459.4	465.9	473.2	483.0	493.8	504.9
10°	413.8	418.3	424.6	431.8	438.1	446.7	454.8	463.4	474.7	487.7	500.8
12.5°	398.5	405.8	410.6	419.1	426.0	433.1	441.7	453.0	466.0	479.7	495.5
15°	379.2	383.3	392.5	397.2	406.9	417.9	426.3	437.7	450.3	468.5	486.2
17.5°	357.0	362.3	369.7	378.5	389.7	398.2	408.8	420.5	436.5	454.5	476.7
20°	342.5	347.0	356.1	365.7	377.6	386.6	397.8	409.2	425.7	444.9	468.1
22.5°	329.5	333.8	343.4	352.4	363.9	375.0	386.6	399.9	415.7	436.0	459.7
25°	309.4	315.0	323.5	332.8	343.8	356.4	369.1	380.9	397.8	419.1	444.4
27.5°	291.5	296.0	302.2	312.7	325.2	337.4	350.0	364.9	381.1	403.7	429.9
30°	280.1	284.3	290.4	300.1	311.7	324.8	337.9	352.2	369.1	391.5	418.3
32.5°	270.9	274.1	279.6	288.3	298.9	312.6	325.6	340.4	358.1	380.1	406.3
35°	257.4	260.2	262.3	270.5	280.1	292.7	305.8	321.6	338.8	359.6	385.8
37.5°	244.2	245.2	248.3	253.7	262.9	274.6	286.7	302.3	319.8	341.0	364.6
40°	236.1	236.6	238.4	243.5	251.6	262.5	274.4	289.7	306.4	326.5	349.9
42.5°	228.2	227.9	229.7	233.3	240.8	250.7	262.3	276.4	293.1	311.7	333.7
45°	215.7	215.7	215.3	218.2	224.4	234.1	243.8	257.3	271.2	289.4	307.9
47.5°	202.6	201.4	201.8	203.3	208.5	216.4	226.2	237.3	249.6	264.9	281.2
50°	194.1	192.4	191.8	193.5	198.1	205.1	214.5	224.1	235.8	249.2	263.1
52.5°	184.9	183.2	182.0	183.2	187.5	193.9	202.4	211.0	221.4	232.4	244.4
55°	170.5	168.6	168.0	168.4	171.6	176.6	183.8	191.6	199.5	208.5	217.0
57.5°	156.4	153.3	152.7	152.5	154.6	159.3	165.3	172.0	177.7	183.2	192.3
60°	147.1	143.3	142.0	141.8	143.5	147.3	152.8	159.5	163.5	167.4	175.1
62.5°	137.1	133.5	130.7	131.0	132.5	136.2	141.0	145.9	148.6	152.7	157.9
65°	121.8	117.2	115.0	114.4	115.2	118.2	122.0	125.1	128.1	129.8	134.8
67.5°	106.4	102.5	99.4	98.6	98.3	100.3	103.4	105.3	107.5	108.9	111.9
70°	95.6	92.2	88.5	87.1	86.9	88.6	91.6	91.8	94.8	95.4	98.5
72.5°	85.0	80.7	78.1	76.9	76.0	77.5	79.5	80.0	81.6	82.8	84.4
75°	68.4	65.2	62.7	60.8	60.2	61.0	61.0	62.1	63.1	63.8	65.6
77.5°	53.9	50.2	47.2	46.1	45.3	44.8	45.2	45.9	45.4	46.5	46.9
80°	43.7	39.9	37.5	37.2	35.8	34.9	34.6	35.2	34.4	34.9	36.1
82.5°	33.7	31.3	28.8	28.4	26.8	26.2	26.0	25.6	25.6	25.5	25.8
85°	20.1	18.5	16.9	15.9	15.2	14.2	14.2	13.7	13.3	12.8	13.1
87.5°	11.1	11.0	9.8	8.9	8.6	6.9	6.9	6.2	5.8	5.1	4.5
90°	15.2	16.1	14.3	12.5	12.5	7.1	7.1	6.2	5.4	2.7	0.9
92.5°	235.2	282.4	247.1	179.9	110.8	65.5	47.0	34.0	23.2	14.8	10.2
95°	746.0	725.5	547.5	334.7	188.7	111.3	73.9	52.5	40.9	32.0	29.3
97.5°	937.2	764.1	512.4	300.9	180.4	120.7	89.3	71.1	60.4	52.7	52.7
100°	943.6	715.7	464.7	283.1	182.5	130.0	101.5	84.5	73.9	67.7	67.7
102.5°	890.2	655.2	432.7	278.1	189.6	142.0	115.0	98.8	88.8	83.3	81.9
105°	793.2	584.0	405.0	280.4	206.5	163.8	137.9	122.0	111.3	106.8	104.2
107.5°	714.8	544.1	400.0	293.6	226.3	187.1	161.7	146.3	134.9	130.5	128.8
110°	675.6	530.6	401.4	303.5	241.2	202.1	178.1	162.0	151.3	146.9	145.1



TEST NUMBER: P332519-940

CATALOG NUMBER: S124DIP-S350D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	653.6	524.1	405.7	314.2	255.5	217.8	193.7	177.7	167.7	162.6	160.8
115°	632.9	520.8	413.9	331.2	277.8	242.1	218.1	201.2	192.3	186.0	183.4
117.5°	623.7	519.9	422.7	348.4	299.3	265.5	240.5	224.7	214.9	209.4	206.9
120°	618.7	519.9	429.1	360.5	314.2	280.4	255.5	240.3	230.6	224.4	222.6
122.5°	613.0	519.2	435.5	371.9	328.5	294.6	270.5	253.9	244.8	238.5	236.8
125°	603.6	518.1	445.1	389.1	348.0	316.0	291.1	274.2	264.4	259.0	255.5
127.5°	590.9	516.1	452.7	403.8	366.2	335.3	310.1	292.5	281.3	274.9	272.1
130°	583.1	515.4	458.4	413.0	378.4	348.0	322.3	305.3	291.9	284.9	281.3
132.5°	576.0	514.7	463.4	422.3	388.3	358.0	333.7	315.3	302.6	293.4	290.5
135°	565.3	513.6	470.9	434.4	402.3	373.0	349.8	331.2	316.0	307.1	303.5
137.5°	556.0	513.4	475.4	443.0	413.0	385.7	363.6	344.1	329.8	319.9	316.6
140°	551.1	512.7	478.9	448.6	420.2	393.5	372.1	353.4	338.3	328.5	325.8
142.5°	546.8	512.7	481.8	452.9	426.6	400.6	380.0	361.9	347.5	338.5	335.8
145°	539.5	511.0	483.4	457.5	433.5	410.4	390.8	373.9	361.4	352.5	349.8
147.5°	532.9	507.7	484.3	461.6	440.7	418.9	401.3	387.3	374.4	366.6	365.7
150°	527.9	505.6	484.3	463.8	444.3	424.6	407.7	394.4	383.7	376.6	375.7
152.5°	522.2	502.0	482.9	465.2	447.1	429.6	414.1	402.2	392.3	385.1	385.0
155°	513.6	496.8	480.7	466.5	451.3	436.2	422.8	413.0	404.1	398.8	397.9
157.5°	504.9	491.2	478.4	466.5	454.3	441.6	431.1	422.5	415.5	410.5	410.5
160°	498.6	487.0	476.3	466.5	455.8	445.1	435.3	428.2	422.0	418.4	418.4
162.5°	492.8	482.7	474.1	466.5	457.2	447.3	439.6	433.2	427.7	424.8	425.5
165°	483.4	476.3	470.0	464.7	457.5	449.5	444.3	439.8	435.3	433.5	433.5
167.5°	474.8	469.8	465.7	462.5	457.4	451.5	447.5	445.0	441.6	440.7	441.6
170°	469.1	465.6	462.9	461.1	456.6	452.2	449.5	447.8	445.1	444.3	445.1
172.5°	464.1	461.3	460.0	459.7	455.9	452.9	450.9	449.9	447.9	447.8	448.6
175°	458.4	456.6	456.6	457.5	454.9	453.1	453.1	452.2	451.3	451.3	452.2
177.5°	454.5	453.8	453.8	455.2	453.8	453.1	453.1	453.1	452.4	453.1	453.8
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



TEST NUMBER: P332519-940

CATALOG NUMBER: S124DIP-S350D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	512.8	514.5	516.7	520.4	521.7	523.4	525.8	525.7	526.3	528.9	534.2
5°	514.7	521.3	527.6	535.2	543.2	548.5	555.6	560.1	564.5	570.2	580.0
7.5°	515.5	525.8	537.4	550.8	562.7	576.3	587.0	597.1	606.2	618.1	629.7
10°	514.3	528.2	543.2	560.1	578.0	593.3	607.0	622.6	635.9	650.4	663.5
12.5°	512.1	528.9	548.9	567.8	588.8	611.3	628.4	644.2	661.8	678.6	698.8
15°	507.1	530.1	553.6	578.5	606.5	632.5	657.2	677.6	696.6	721.8	748.1
17.5°	500.8	525.6	555.2	585.3	614.7	644.3	674.8	705.6	729.6	760.8	781.4
20°	494.9	523.6	554.0	589.9	619.2	656.1	686.5	716.2	749.2	780.2	804.9
22.5°	486.6	518.0	550.3	585.9	624.6	661.6	696.6	728.9	761.9	795.6	825.5
25°	476.1	504.6	542.8	583.3	621.7	661.8	702.1	742.6	778.1	813.8	841.6
27.5°	458.3	494.2	529.8	571.6	614.2	659.6	702.8	745.1	782.3	811.6	828.8
30°	449.1	480.4	519.0	561.0	607.2	655.9	700.9	742.4	777.0	800.5	807.4
32.5°	435.6	467.8	505.6	549.1	598.1	648.2	694.9	734.1	763.0	775.3	767.0
35°	415.5	444.7	482.9	527.4	578.3	631.6	677.9	711.0	725.8	714.2	685.3
37.5°	391.5	420.4	458.7	502.5	555.1	609.4	651.1	675.0	670.1	641.2	598.2
40°	374.6	401.6	438.1	485.4	536.6	591.1	627.9	640.7	627.2	585.9	540.0
42.5°	355.9	382.2	418.8	464.5	518.8	569.0	601.0	602.1	579.4	529.9	484.0
45°	327.3	352.4	387.0	434.5	484.7	532.0	553.1	542.8	501.0	453.3	407.1
47.5°	299.2	320.9	355.1	400.1	447.8	487.6	498.1	479.5	435.0	388.6	345.8
50°	278.6	300.5	332.6	375.7	421.7	456.0	461.1	436.4	392.7	346.1	312.5
52.5°	258.8	280.6	311.5	351.3	393.4	424.5	424.6	396.1	352.6	311.0	279.8
55°	229.8	249.4	277.3	313.0	350.5	374.8	368.9	339.4	301.6	265.5	238.3
57.5°	201.9	219.0	244.6	274.4	307.5	327.5	317.7	289.3	255.6	224.9	204.3
60°	183.8	200.1	222.0	250.1	277.9	293.6	284.3	258.5	227.5	202.8	184.9
62.5°	166.2	179.9	201.1	225.4	251.3	262.8	254.6	229.2	202.3	180.0	165.4
65°	141.4	152.6	169.4	190.4	209.1	219.1	212.1	188.4	168.0	151.9	140.4
67.5°	118.2	126.9	139.7	156.5	172.5	177.8	171.5	155.0	137.7	124.8	116.6
70°	102.1	110.4	121.1	134.0	147.9	153.6	147.3	134.2	120.1	108.3	100.2
72.5°	88.1	94.5	103.6	114.6	125.5	131.2	126.9	114.3	102.4	93.5	86.8
75°	67.1	72.6	78.9	86.8	95.1	99.0	95.1	86.5	78.3	71.8	66.9
77.5°	48.8	51.7	56.6	62.5	67.8	70.6	67.3	61.5	56.4	52.0	49.6
80°	37.2	39.2	42.6	47.3	50.8	53.6	51.5	46.6	42.6	39.7	38.6
82.5°	27.0	28.4	30.7	34.1	36.5	37.9	37.0	33.4	31.8	29.2	28.2
85°	13.3	14.2	15.6	16.7	18.8	19.0	19.2	17.7	16.2	15.6	14.8
87.5°	5.1	5.8	6.5	7.1	7.8	9.1	8.9	9.3	8.9	8.6	8.1
90°	2.7	5.4	6.2	7.1	7.1	12.5	12.5	14.3	16.1	15.2	16.1
92.5°	14.8	23.2	34.0	47.0	65.5	110.8	179.9	247.1	282.4	235.2	174.9
95°	32.0	40.9	52.5	73.9	111.3	188.7	334.7	547.5	725.5	746.0	659.6
97.5°	52.7	60.4	71.1	89.3	120.7	180.4	300.9	512.4	764.1	937.2	974.6
100°	67.7	73.9	84.5	101.5	130.0	182.5	283.1	464.7	715.7	943.6	1073.6
102.5°	83.3	88.8	98.8	115.0	142.0	189.6	278.1	432.7	655.2	890.2	1068.6
105°	106.8	111.3	122.0	137.9	163.8	206.5	280.4	405.0	584.0	793.2	997.0
107.5°	130.5	134.9	146.3	161.7	187.1	226.3	293.6	400.0	544.1	714.8	895.4
110°	146.9	151.3	162.0	178.1	202.1	241.2	303.5	401.4	530.6	675.6	834.1





TEST NUMBER: P332519-940

CATALOG NUMBER: S124DIP-S350D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	162.6	167.7	177.7	193.7	217.8	255.5	314.2	405.7	524.1	653.6	789.3
115°	186.0	192.3	201.2	218.1	242.1	277.8	331.2	413.9	520.8	632.9	744.2
117.5°	209.4	214.9	224.7	240.5	265.5	299.3	348.4	422.7	519.9	623.7	722.1
120°	224.4	230.6	240.3	255.5	280.4	314.2	360.5	429.1	519.9	618.7	712.1
122.5°	238.5	244.8	253.9	270.5	294.6	328.5	371.9	435.5	519.2	613.0	703.6
125°	259.0	264.4	274.2	291.1	316.0	348.0	389.1	445.1	518.1	603.6	689.0
127.5°	274.9	281.3	292.5	310.1	335.3	366.2	403.8	452.7	516.1	590.9	671.2
130°	284.9	291.9	305.3	322.3	348.0	378.4	413.0	458.4	515.4	583.1	657.0
132.5°	293.4	302.6	315.3	333.7	358.0	388.3	422.3	463.4	514.7	576.0	642.0
135°	307.1	316.0	331.2	349.8	373.0	402.3	434.4	470.9	513.6	565.3	621.3
137.5°	319.9	329.8	344.1	363.6	385.7	413.0	443.0	475.4	513.4	556.0	602.7
140°	328.5	338.3	353.4	372.1	393.5	420.2	448.6	478.9	512.7	551.1	592.0
142.5°	338.5	347.5	361.9	380.0	400.6	426.6	452.9	481.8	512.7	546.8	582.0
145°	352.5	361.4	373.9	390.8	410.4	433.5	457.5	483.4	511.0	539.5	567.9
147.5°	366.6	374.4	387.3	401.3	418.9	440.7	461.6	484.3	507.7	532.9	556.3
150°	376.6	383.7	394.4	407.7	424.6	444.3	463.8	484.3	505.6	527.9	549.3
152.5°	385.1	392.3	402.2	414.1	429.6	447.1	465.2	482.9	502.0	522.2	541.4
155°	398.8	404.1	413.0	422.8	436.2	451.3	466.5	480.7	496.8	513.6	529.7
157.5°	410.5	415.5	422.5	431.1	441.6	454.3	466.5	478.4	491.2	504.9	517.0
160°	418.4	422.0	428.2	435.3	445.1	455.8	466.5	476.3	487.0	498.6	509.2
162.5°	424.8	427.7	433.2	439.6	447.3	457.2	466.5	474.1	482.7	492.8	501.3
165°	433.5	435.3	439.8	444.3	449.5	457.5	464.7	470.0	476.3	483.4	490.5
167.5°	440.7	441.6	445.0	447.5	451.5	457.4	462.5	465.7	469.8	474.8	480.0
170°	444.3	445.1	447.8	449.5	452.2	456.6	461.1	462.9	465.6	469.1	473.6
172.5°	447.8	447.9	449.9	450.9	452.9	455.9	459.7	460.0	461.3	464.1	467.9
175°	451.3	451.3	452.2	453.1	453.1	454.9	457.5	456.6	456.6	458.4	460.2
177.5°	453.1	452.4	453.1	453.1	453.1	453.8	455.2	453.8	453.8	454.5	455.2
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	537.0	537.3	538.9	540.0	540.4	542.1	542.2
5°	584.2	587.7	594.7	595.3	596.4	601.9	597.6
7.5°	639.4	648.5	654.6	660.0	661.9	664.3	663.9
10°	674.9	688.4	695.2	706.0	706.3	709.1	707.4
12.5°	710.5	726.2	738.5	740.6	749.6	751.0	753.3
15°	761.0	777.7	794.8	800.9	813.3	816.3	820.9
17.5°	808.4	825.5	837.5	853.3	858.4	865.2	860.6
20°	834.5	853.0	868.3	880.7	885.9	889.7	889.3
22.5°	850.2	868.9	881.2	890.6	895.5	897.2	897.1
25°	860.0	870.8	874.6	878.2	872.6	870.8	871.6
27.5°	832.6	829.8	819.9	806.9	793.4	782.7	776.9
30°	795.0	778.6	763.6	737.4	723.9	715.9	708.6
32.5°	741.6	715.5	686.7	662.7	647.4	635.5	633.7
35°	650.2	611.0	575.7	546.4	531.2	518.4	515.3
37.5°	552.8	512.0	480.3	454.4	438.1	429.0	420.5
40°	488.1	453.1	421.9	399.9	387.4	380.9	375.7
42.5°	438.4	406.4	375.2	358.6	347.3	343.3	340.2
45°	369.5	339.7	318.3	305.6	299.1	292.3	289.1
47.5°	314.4	290.3	276.1	265.3	258.2	254.2	252.3
50°	283.2	263.4	250.7	242.5	236.1	233.0	231.3
52.5°	255.6	239.2	228.6	222.0	217.8	215.4	214.7
55°	220.1	207.7	200.9	195.2	192.1	189.9	189.1
57.5°	191.4	181.7	176.3	171.6	170.3	168.6	168.0
60°	172.5	165.1	160.4	157.2	156.1	154.1	154.4
62.5°	155.7	149.6	145.7	143.9	142.5	140.7	141.3
65°	131.7	127.2	125.1	123.5	121.8	120.7	121.5
67.5°	110.5	107.5	104.6	103.6	102.8	102.6	101.7
70°	96.7	94.2	91.6	91.0	91.0	90.2	89.9
72.5°	83.3	81.5	79.8	79.3	78.6	79.0	78.1
75°	64.4	62.9	62.2	61.6	61.4	61.4	60.8
77.5°	47.5	46.5	45.5	45.5	44.7	44.4	44.3
80°	36.1	35.7	34.9	34.9	34.4	34.6	34.2
82.5°	27.1	26.6	26.4	26.0	25.4	25.5	25.1
85°	14.5	13.9	13.7	13.1	12.7	13.1	12.7
87.5°	8.5	8.5	8.3	8.1	8.1	7.9	7.5
90°	16.9	17.8	17.8	18.7	19.6	18.7	18.7
92.5°	131.6	104.7	86.9	76.4	71.6	68.6	68.6
95°	521.7	402.3	316.0	272.4	244.8	228.8	217.2
97.5°	923.3	836.2	743.3	679.4	625.8	599.1	580.6
100°	1091.4	1047.8	981.9	904.5	850.2	823.4	816.4
102.5°	1156.9	1169.6	1142.1	1094.6	1055.3	1027.2	1021.5
105°	1151.0	1239.1	1275.7	1277.5	1270.3	1257.8	1252.5
107.5°	1059.4	1183.5	1262.8	1306.8	1327.1	1336.1	1338.4
110°	988.1	1117.2	1215.1	1278.4	1315.7	1331.8	1339.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	925.4	1047.4	1145.3	1217.1	1262.3	1284.8	1297.7
115°	853.7	957.9	1043.3	1113.7	1167.1	1195.5	1202.7
117.5°	812.8	894.7	967.1	1027.2	1072.0	1100.8	1106.3
120°	795.0	866.2	929.3	980.1	1019.3	1042.4	1052.2
122.5°	783.5	848.4	903.7	946.6	980.1	999.7	1009.5
125°	765.5	827.0	875.9	911.6	937.4	954.3	959.7
127.5°	744.4	805.7	852.1	887.9	910.9	925.1	930.4
130°	727.3	787.8	835.0	871.5	893.8	908.0	913.4
132.5°	708.1	767.1	814.4	850.2	875.2	888.8	894.1
135°	679.2	733.5	778.0	813.7	838.6	852.8	858.2
137.5°	651.7	697.4	737.6	770.9	795.5	807.3	813.7
140°	633.8	673.9	711.2	742.4	762.1	774.5	781.6
142.5°	618.8	653.3	685.6	713.2	731.4	742.4	747.4
145°	598.2	624.9	649.9	672.1	687.2	696.2	700.6
147.5°	580.4	601.8	621.3	637.8	650.8	657.5	659.1
150°	569.7	587.5	603.6	617.8	629.4	634.7	635.6
152.5°	559.0	575.4	588.6	600.7	610.1	613.3	614.2
155°	543.9	557.2	567.9	576.8	584.0	586.7	586.7
157.5°	529.0	540.2	548.8	555.4	560.8	562.4	562.4
160°	519.0	528.8	535.9	541.3	546.6	547.5	547.5
162.5°	509.7	517.4	523.8	527.7	533.1	534.0	533.2
165°	495.9	502.0	506.5	510.1	513.6	512.7	511.8
167.5°	484.1	489.1	491.8	493.6	495.9	495.7	495.0
170°	476.3	479.8	482.5	484.3	485.2	484.3	484.3
172.5°	469.8	472.0	473.9	475.0	475.9	475.0	473.6
175°	461.1	462.9	462.9	462.9	464.7	462.9	461.1
177.5°	455.9	455.9	456.6	455.9	456.6	455.2	453.8
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1

(END OF REPORT)