

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: P332879-940

Luminaire Tested: **S124RDIP-S350D810U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332879-940
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: S124RDIP-S350D810U940-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3907.1 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

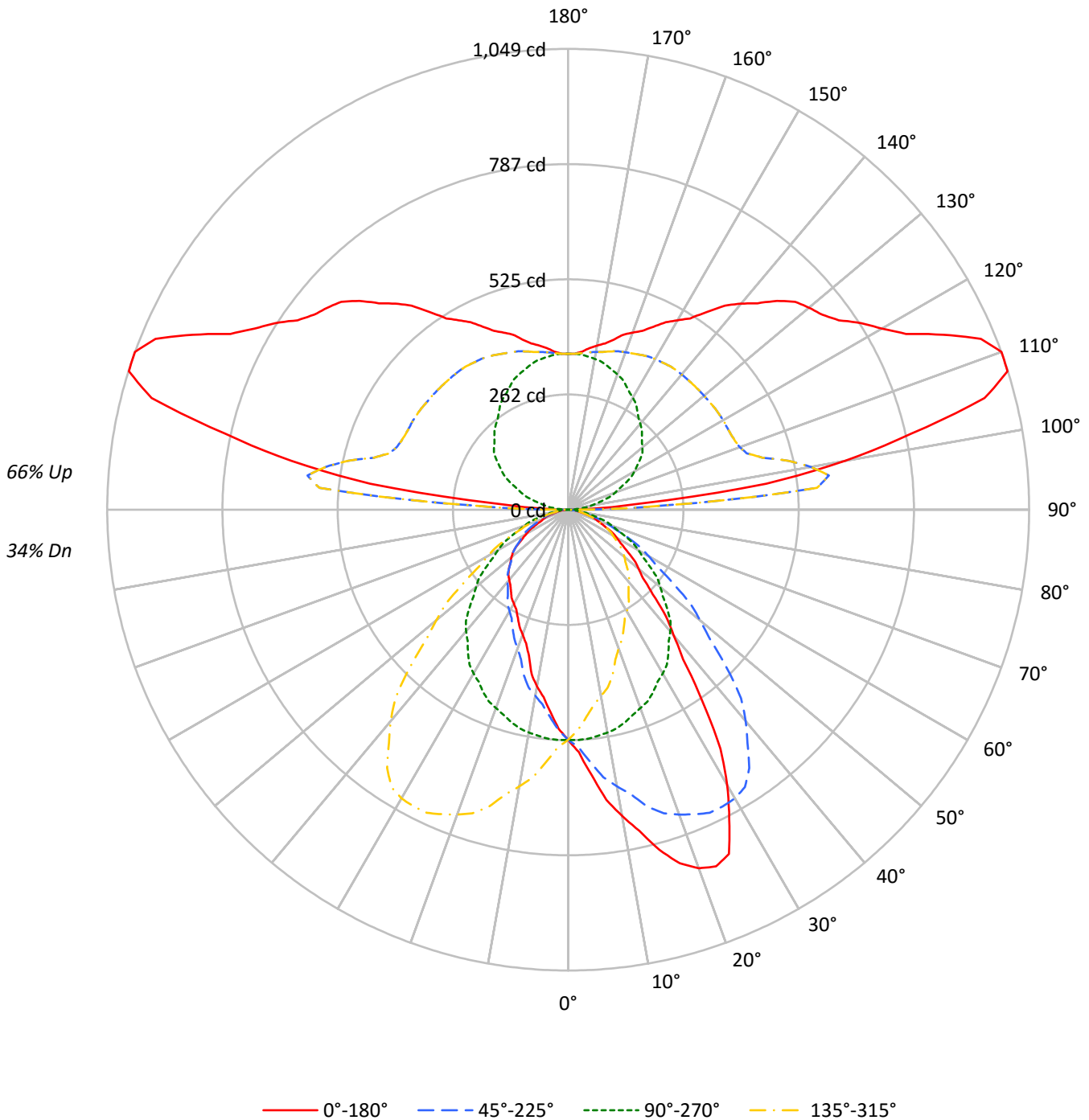
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	95	90	87	83	85	82	79	76	66	63	62	51	49	48	37	36	36	29
2	86	79	73	69	78	72	67	63	58	54	51	45	43	41	33	32	30	25
3	79	70	63	57	71	63	57	53	51	47	44	40	37	35	29	28	26	21
4	72	62	54	49	65	56	50	45	46	41	37	36	32	30	26	24	23	19
5	66	55	47	42	60	50	44	39	41	36	32	32	29	26	24	22	20	16
6	61	49	42	36	55	45	38	33	37	32	28	29	26	23	22	19	18	14
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	20	18	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	18	16	14	12
9	49	37	30	25	44	34	27	23	28	23	20	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	21	26	21	18	20	17	15	16	13	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4229	4229	4229	4229
5°	4905	4241	3749	4241
10°	5802	4223	3345	4223
15°	6702	4184	2875	4184
20°	7462	4130	2600	4130
25°	7704	4077	2414	4077
30°	6743	4013	2302	4013
35°	5249	3918	2234	3918
40°	3936	3810	2197	3810
45°	3108	3635	2177	3635
50°	2624	3435	2115	3435
55°	2287	3215	2001	3215
60°	2057	2985	1773	2985
65°	1815	2737	1524	2737
70°	1633	2481	1374	2481
75°	1369	2196	1170	2196
80°	1158	1874	1097	1874
85°	973	1473	973	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.3
10°-20°	153.1	3.9
20°-30°	239.4	6.1
30°-40°	266.2	6.8
40°-50°	236.2	6.0
50°-60°	184.0	4.7
60°-70°	120.5	3.1
70°-80°	59.3	1.5
80°-90°	16.6	0.4
90°-100°	256.3	6.6
100°-110°	533.5	13.7
110°-120°	477.9	12.2
120°-130°	402.0	10.3
130°-140°	335.1	8.6
140°-150°	256.1	6.6
150°-160°	180.0	4.6
160°-170°	105.9	2.7
170°-180°	34.4	0.9
0°-30°	443.3	11.3
0°-40°	709.5	18.2
0°-60°	1129.7	28.9
0°-90°	1326.0	33.9
90°-120°	1267.7	32.4
90°-150°	2260.9	57.9
90°-180°	2581.0	66.1
0°-180°	3907.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	524	524	524	524	524	
5°	605	523	463	523	605	61
15°	802	501	344	501	802	228
25°	865	458	271	458	865	384
35°	533	398	227	398	533	334
45°	272	318	191	318	272	216
55°	162	228	142	228	162	148
65°	95	143	80	143	95	96
75°	44	70	38	70	44	48
85°	10	16	10	16	10	12
90°	15	1	15	1	15	12
95°	170	23	170	23	170	264
105°	981	82	981	82	981	970
115°	942	144	942	144	942	935
125°	752	200	752	200	752	683
135°	672	238	672	238	672	519
145°	549	274	549	274	549	348
155°	460	312	460	312	460	214
165°	401	340	401	340	401	115
175°	361	354	361	354	361	35
180°	355	355	355	355	355	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	552.5	554.0	552.5	552.3	550.6	550.1	549.5	547.2	543.2	540.8	541.4
5°	605.3	610.6	607.6	607.2	602.5	597.9	594.9	588.2	580.9	576.1	572.1
7.5°	666.3	669.3	667.4	664.5	657.0	652.7	645.9	637.0	624.1	614.3	605.3
10°	707.8	710.3	709.5	704.0	698.6	687.3	681.0	668.6	652.3	639.4	627.4
12.5°	748.7	751.4	744.0	744.2	733.8	725.0	715.0	699.3	680.6	664.0	648.9
15°	801.9	798.5	798.5	794.3	782.7	770.5	760.2	743.7	720.1	700.3	679.3
17.5°	843.6	844.8	843.1	833.1	824.0	811.4	792.4	773.2	751.3	724.6	703.3
20°	868.6	868.6	866.7	860.0	848.2	834.6	814.2	793.3	765.4	738.6	714.6
22.5°	878.8	879.4	877.2	871.6	861.0	847.8	830.4	809.1	780.4	750.3	720.5
25°	864.9	868.9	869.2	867.8	864.6	856.6	841.6	819.9	794.2	761.4	729.3
27.5°	794.0	799.1	803.5	810.8	820.6	825.5	826.3	815.2	792.7	761.3	729.0
30°	723.4	727.6	741.4	759.3	773.2	785.9	796.9	799.9	787.2	758.9	725.0
32.5°	645.1	650.9	664.6	683.9	707.0	728.5	753.1	765.7	765.4	748.4	717.0
35°	532.6	536.9	549.6	569.8	597.6	629.5	668.6	698.9	719.6	718.2	698.9
37.5°	429.6	434.4	447.1	464.0	491.0	530.4	568.2	610.1	648.3	669.8	663.3
40°	373.5	373.7	386.2	403.5	428.8	463.2	504.4	550.8	593.4	628.3	635.0
42.5°	329.3	329.3	337.6	356.2	374.4	406.8	446.1	492.2	542.2	582.4	600.2
45°	272.2	274.1	280.9	292.0	306.4	333.9	365.3	408.1	464.0	511.8	541.5
47.5°	230.5	233.4	237.6	246.7	258.2	276.4	302.5	341.0	386.5	438.9	481.3
50°	208.9	209.4	214.8	219.9	229.8	244.4	267.2	299.3	341.1	391.5	438.5
52.5°	190.4	190.3	193.6	200.0	208.0	219.4	237.8	267.0	304.1	349.3	397.9
55°	162.5	163.5	166.1	171.1	177.3	185.3	199.8	221.8	250.9	289.5	333.7
57.5°	141.3	141.9	143.8	146.0	151.6	157.5	168.4	183.6	208.1	239.8	280.9
60°	127.4	127.7	128.3	131.4	135.9	141.4	148.8	161.7	182.4	211.2	243.8
62.5°	114.0	114.3	115.3	117.6	121.1	124.8	132.6	142.9	160.1	184.8	214.0
65°	95.0	95.1	96.7	97.5	100.2	103.6	109.3	116.3	128.1	148.8	170.9
67.5°	79.4	79.4	79.5	80.6	82.5	84.7	88.1	93.7	102.6	115.3	134.8
70°	69.2	69.2	69.6	70.3	71.3	73.2	75.2	79.4	85.9	96.2	111.2
72.5°	59.7	59.9	60.4	60.5	61.0	62.6	64.0	66.7	71.5	79.4	91.5
75°	43.9	44.5	45.6	46.5	47.5	47.3	48.8	50.5	51.9	56.5	63.5
77.5°	32.6	32.4	32.5	33.2	33.3	33.5	34.6	35.8	37.0	39.1	41.6
80°	24.9	24.9	25.5	25.8	25.5	25.8	26.8	27.5	27.8	28.7	31.0
82.5°	18.8	19.2	19.0	19.2	19.3	19.5	20.4	20.5	21.0	21.3	22.2
85°	10.5	10.8	11.0	10.5	10.5	10.5	11.0	11.1	11.6	11.4	11.9
87.5°	6.6	6.5	6.8	6.6	6.7	6.5	6.5	6.7	6.2	6.6	6.2
90°	14.6	14.6	15.3	14.6	13.9	13.9	13.3	12.6	11.9	12.6	11.1
92.5°	53.7	53.7	56.1	59.8	68.0	82.0	103.1	137.0	184.2	221.1	193.6
95°	170.1	179.2	191.7	213.4	247.5	315.1	408.6	516.7	584.3	568.3	428.8
97.5°	454.8	469.2	490.2	532.2	582.2	655.0	723.2	763.3	734.1	598.5	401.4
100°	639.4	645.0	665.8	708.4	769.1	820.6	854.8	840.9	739.0	560.6	364.0
102.5°	800.0	804.5	826.5	857.4	894.6	916.1	906.2	837.0	697.2	513.2	338.9
105°	981.1	985.3	995.0	1000.6	999.2	970.5	901.5	781.0	621.3	457.4	317.3
107.5°	1048.2	1046.4	1039.5	1023.6	989.1	926.9	829.7	701.3	559.9	426.1	313.3
110°	1049.4	1043.1	1030.6	1001.2	951.7	875.0	773.9	653.4	529.2	415.5	314.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1016.5	1006.3	988.7	953.2	897.1	820.4	724.9	618.2	511.9	410.5	317.8
115°	942.0	936.4	914.1	872.3	817.2	750.2	668.7	582.9	495.7	407.9	324.2
117.5°	866.6	862.2	839.6	804.5	757.5	700.7	636.6	565.6	488.5	407.2	331.1
120°	824.1	816.5	798.3	767.7	727.9	678.4	622.7	557.8	484.6	407.2	336.1
122.5°	790.7	783.0	767.7	741.5	707.8	664.5	613.7	551.1	480.1	406.6	341.1
125°	751.6	747.4	734.2	714.0	686.1	647.7	599.7	539.7	472.7	405.8	348.7
127.5°	728.8	724.6	713.5	695.4	667.4	631.0	583.0	525.8	462.8	404.3	354.6
130°	715.4	711.2	700.1	682.6	654.0	617.1	569.6	514.6	456.7	403.7	359.1
132.5°	700.3	696.2	685.5	665.8	637.8	600.9	554.6	502.8	451.1	403.1	363.0
135°	672.2	668.0	656.8	637.3	609.4	574.5	532.0	486.7	442.7	402.3	368.8
137.5°	637.3	632.2	623.0	603.8	577.7	546.3	510.4	472.1	435.5	402.2	372.3
140°	612.2	606.6	596.8	581.5	557.1	527.8	496.4	463.7	431.6	401.6	375.1
142.5°	585.4	581.5	572.8	558.7	537.0	511.7	484.7	455.8	428.3	401.6	377.4
145°	548.8	545.3	538.2	526.5	509.0	489.5	468.6	444.9	422.5	400.2	378.6
147.5°	516.2	515.0	509.7	499.5	486.7	471.4	454.6	435.8	417.4	397.7	379.3
150°	497.8	497.1	492.9	483.9	472.7	460.2	446.2	430.2	413.5	396.0	379.3
152.5°	481.1	480.4	477.9	470.5	461.0	450.7	437.8	424.1	409.0	393.2	378.2
155°	459.5	459.5	457.4	451.8	444.9	436.5	426.1	414.8	402.3	389.1	376.5
157.5°	440.5	440.5	439.3	435.1	429.8	423.1	414.3	404.9	395.5	384.8	374.7
160°	428.8	428.8	428.1	423.9	419.7	414.2	406.5	398.9	390.5	381.4	373.0
162.5°	417.7	418.2	417.5	413.3	410.3	405.3	399.2	392.7	386.0	378.1	371.4
165°	400.9	401.6	402.3	399.5	396.7	393.2	388.3	384.1	378.6	373.0	368.2
167.5°	387.6	388.3	388.3	386.6	385.1	383.1	379.2	375.9	371.9	368.0	364.8
170°	379.3	379.3	380.0	379.3	377.9	375.9	373.0	371.0	367.5	364.6	362.6
172.5°	371.0	372.0	372.7	372.0	371.2	369.7	368.0	366.5	363.6	361.3	360.3
175°	361.1	362.6	364.0	362.6	362.6	362.6	361.1	360.5	359.1	357.7	357.7
177.5°	355.4	356.6	357.7	357.1	357.7	357.1	357.1	356.6	356.0	355.4	355.4
180°	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	539.7	537.3	536.1	533.4	530.2	528.5	527.0	524.8	521.9	518.9	516.7
5°	567.0	562.0	555.6	548.0	541.4	534.8	529.1	523.3	516.8	510.1	503.4
7.5°	595.1	585.2	574.4	562.0	549.9	538.9	528.7	519.1	508.1	498.2	489.3
10°	614.7	601.3	586.3	570.4	554.6	540.9	527.4	515.1	501.7	489.6	479.5
12.5°	630.6	614.7	596.7	577.0	557.9	541.4	525.8	509.9	494.5	481.5	468.0
15°	656.9	635.3	611.0	587.3	562.7	540.0	519.2	500.6	483.0	464.7	451.8
17.5°	675.1	649.3	619.7	591.4	562.2	535.6	511.5	489.4	469.1	450.4	435.1
20°	685.9	657.4	624.6	592.4	559.6	531.2	505.2	480.7	459.9	439.6	423.7
22.5°	692.0	660.4	624.6	590.8	557.0	526.1	497.7	472.2	449.4	429.1	411.6
25°	693.9	660.1	623.7	584.8	547.7	515.0	485.4	457.7	432.4	412.1	393.6
27.5°	691.2	651.4	614.0	574.2	535.8	501.4	470.4	441.3	416.0	394.2	375.1
30°	687.2	644.5	604.4	563.0	524.2	491.1	458.3	430.5	404.1	381.6	362.4
32.5°	678.3	636.1	592.9	550.5	511.2	477.1	446.0	418.0	392.2	369.1	348.7
35°	660.9	618.1	571.3	527.8	489.2	453.7	424.6	397.6	372.9	348.2	326.7
37.5°	638.0	594.3	547.7	500.1	461.4	427.9	401.3	375.9	351.8	329.2	305.4
40°	616.4	576.6	528.4	481.2	441.5	409.2	384.5	361.5	337.2	314.9	291.1
42.5°	590.3	556.3	507.7	460.2	421.1	389.9	366.9	344.5	322.4	300.7	275.8
45°	546.6	520.8	475.3	429.7	390.2	359.4	338.3	318.4	299.1	278.4	254.9
47.5°	496.5	479.1	439.8	393.1	356.6	328.9	308.4	292.2	275.8	255.1	234.6
50°	461.7	450.6	412.6	370.0	335.1	309.6	288.7	273.5	259.8	240.0	221.6
52.5°	424.6	418.7	386.6	345.8	312.2	287.1	269.3	255.7	241.7	225.2	208.1
55°	368.0	371.2	344.0	308.7	277.1	256.0	239.8	228.4	216.5	202.6	189.3
57.5°	310.2	321.8	303.5	272.6	242.9	223.4	211.2	201.6	191.6	180.1	168.7
60°	275.6	285.3	275.0	247.7	221.8	203.7	192.3	184.9	175.0	164.4	155.8
62.5°	241.8	252.3	246.1	224.1	200.0	184.4	174.3	167.5	160.1	150.9	141.9
65°	199.5	206.2	203.2	188.1	170.9	157.7	148.4	143.3	136.5	129.8	121.8
67.5°	152.8	165.8	164.1	156.0	141.2	130.8	124.8	120.3	114.1	109.1	103.7
70°	125.6	137.6	137.4	130.8	122.8	113.2	108.9	105.1	99.6	94.8	90.3
72.5°	102.8	113.8	115.5	110.4	105.0	97.6	93.5	91.0	85.6	82.3	78.6
75°	72.0	80.0	82.1	82.1	79.5	75.8	72.1	70.4	66.7	63.8	61.6
77.5°	47.2	52.3	55.6	56.3	56.7	55.4	52.4	51.3	48.3	47.3	45.3
80°	33.3	36.7	40.5	41.8	42.8	42.4	41.2	40.3	37.5	36.5	35.7
82.5°	23.0	24.9	28.0	30.9	30.5	31.7	30.5	29.9	27.7	27.4	26.6
85°	12.0	12.2	12.7	14.5	15.6	16.1	16.2	15.9	15.2	15.2	13.7
87.5°	6.0	5.8	5.4	5.4	5.4	5.9	6.0	5.9	5.6	5.5	5.2
90°	9.7	9.7	5.6	5.6	4.9	4.2	2.1	0.7	2.1	4.2	4.9
92.5°	140.8	86.8	51.3	36.8	26.7	18.1	11.6	7.9	11.6	18.1	26.7
95°	262.2	147.8	87.1	57.9	41.1	32.1	25.1	23.0	25.1	32.1	41.1
97.5°	235.7	141.2	94.5	70.0	55.6	47.3	41.3	41.3	41.3	47.3	55.6
100°	221.8	142.9	101.8	79.5	66.3	57.9	53.0	53.0	53.0	57.9	66.3
102.5°	217.8	148.5	111.3	90.1	77.4	69.6	65.3	64.1	65.3	69.6	77.4
105°	219.6	161.8	128.3	108.1	95.5	87.1	83.6	81.6	83.6	87.1	95.5
107.5°	230.0	177.3	146.6	126.6	114.6	105.7	102.2	100.9	102.2	105.7	114.6
110°	237.7	189.0	158.3	139.5	126.9	118.5	115.0	113.7	115.0	118.5	126.9



TEST NUMBER: P332879-940

CATALOG NUMBER: S124RDIP-S350D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	246.1	200.1	170.6	151.7	139.2	131.3	127.3	125.9	127.3	131.3	139.2
115°	259.4	217.6	189.7	170.9	157.6	150.6	145.7	143.7	145.7	150.6	157.6
117.5°	272.9	234.4	207.9	188.4	176.0	168.4	164.0	162.0	164.0	168.4	176.0
120°	282.4	246.1	219.6	200.1	188.2	180.6	175.7	174.3	175.7	180.6	188.2
122.5°	291.3	257.3	230.8	211.8	198.9	191.7	186.9	185.5	186.9	191.7	198.9
125°	304.7	272.6	247.5	228.0	214.7	207.1	202.9	200.1	202.9	207.1	214.7
127.5°	316.3	286.9	262.6	242.9	229.1	220.3	215.3	213.1	215.3	220.3	229.1
130°	323.5	296.3	272.6	252.4	239.2	228.7	223.1	220.3	223.1	228.7	239.2
132.5°	330.7	304.2	280.4	261.4	247.0	237.1	229.8	227.6	229.8	237.1	247.0
135°	340.3	315.1	292.1	274.0	259.4	247.5	240.6	237.7	240.6	247.5	259.4
137.5°	347.0	323.5	302.0	284.7	269.6	258.2	250.6	248.0	250.6	258.2	269.6
140°	351.4	329.1	308.2	291.4	276.8	264.9	257.3	255.2	257.3	264.9	276.8
142.5°	354.7	334.1	313.8	297.6	283.5	272.2	265.1	263.0	265.1	272.2	283.5
145°	358.4	339.6	321.5	306.1	292.8	283.1	276.1	274.0	276.1	283.1	292.8
147.5°	361.6	345.2	328.1	314.3	303.3	293.3	287.1	286.4	287.1	293.3	303.3
150°	363.3	347.9	332.6	319.3	308.9	300.5	295.0	294.3	295.0	300.5	308.9
152.5°	364.4	350.2	336.5	324.4	315.0	307.2	301.7	301.5	301.7	307.2	315.0
155°	365.3	353.5	341.6	331.2	323.5	316.6	312.4	311.7	312.4	316.6	323.5
157.5°	365.3	355.9	345.8	337.6	330.9	325.5	321.6	321.6	321.6	325.5	330.9
160°	365.3	357.0	348.7	341.0	335.4	330.5	327.7	327.7	327.7	330.5	335.4
162.5°	365.3	358.1	350.3	344.3	339.3	334.9	332.7	333.3	332.7	334.9	339.3
165°	364.0	358.4	352.1	347.9	344.5	341.0	339.6	339.6	339.6	341.0	344.5
167.5°	362.3	358.3	353.7	350.4	348.5	345.8	345.2	345.8	345.2	345.8	348.5
170°	361.1	357.7	354.2	352.1	350.7	348.7	347.9	348.7	347.9	348.7	350.7
172.5°	360.1	357.1	354.7	353.2	352.4	350.9	350.7	351.4	350.7	350.9	352.4
175°	358.4	356.3	354.9	354.9	354.2	353.5	353.5	354.2	353.5	353.5	354.2
177.5°	356.6	355.4	354.9	354.9	354.9	354.4	354.9	355.4	354.9	354.4	354.9
180°	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9



TEST NUMBER: P332879-940

CATALOG NUMBER: S124RDIP-S350D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	514.3	512.6	510.5	507.9	504.9	502.2	501.0	502.0	502.6	501.1	501.0
5°	498.6	493.4	489.2	482.9	477.8	473.6	470.6	469.3	469.8	466.4	465.6
7.5°	481.1	474.8	467.9	460.4	453.4	447.2	444.0	442.2	438.5	437.0	434.4
10°	469.8	461.4	454.6	445.7	437.7	430.3	426.7	423.7	420.2	418.5	414.9
12.5°	458.2	448.4	440.9	431.7	423.5	414.6	411.2	405.7	400.1	396.5	391.9
15°	441.7	429.9	420.8	409.8	400.1	390.0	380.9	370.8	367.0	359.0	354.4
17.5°	422.5	410.5	399.3	384.6	369.6	357.0	347.3	337.6	331.8	326.7	324.3
20°	409.8	398.9	383.3	366.1	349.5	335.6	327.7	321.4	315.0	311.5	309.0
22.5°	397.9	383.8	365.7	347.2	330.6	319.7	313.1	306.6	301.4	298.0	294.6
25°	377.7	359.4	340.2	319.1	307.7	298.2	291.1	285.7	282.6	278.1	276.4
27.5°	357.1	334.8	313.7	299.5	287.7	278.9	272.7	268.8	264.7	261.9	259.7
30°	341.3	318.7	299.7	286.1	274.1	267.0	261.9	257.3	254.0	251.7	250.1
32.5°	325.6	303.0	287.0	272.5	263.0	256.0	250.6	247.1	244.6	241.7	240.6
35°	302.8	282.8	268.9	255.7	246.1	239.8	235.5	231.9	229.8	229.0	228.4
37.5°	281.0	264.6	249.6	238.9	230.2	225.2	220.3	218.5	217.0	215.5	216.2
40°	267.2	251.7	238.4	227.1	220.1	214.6	211.7	209.6	208.3	208.3	208.3
42.5°	255.2	240.1	227.1	217.0	210.0	205.4	202.1	200.3	199.8	199.7	200.7
45°	236.6	222.7	209.6	201.1	195.2	190.6	188.7	187.2	187.2	188.1	188.2
47.5°	218.1	205.1	194.6	185.1	179.7	176.8	175.1	174.4	174.5	175.3	176.3
50°	206.8	193.9	183.6	175.1	170.1	167.4	165.9	165.4	165.9	165.9	167.4
52.5°	194.5	183.0	172.8	165.7	160.0	157.4	156.6	156.0	156.2	156.9	157.6
55°	176.5	166.1	156.4	149.6	145.4	143.7	141.8	142.0	141.6	142.0	142.0
57.5°	158.3	149.0	140.0	134.6	130.9	128.5	126.4	127.0	126.4	126.3	125.9
60°	146.7	136.5	129.4	124.5	120.3	118.2	116.3	116.7	116.1	115.7	114.8
62.5°	134.0	125.6	118.7	114.0	110.7	108.3	106.3	105.9	104.4	103.0	101.1
65°	115.7	108.7	102.5	98.2	95.0	93.1	91.6	90.3	87.1	83.8	82.1
67.5°	97.8	92.7	87.0	83.3	80.7	78.3	75.4	73.3	70.4	68.5	67.4
70°	86.3	81.5	76.6	73.0	70.3	67.9	64.8	63.3	61.2	60.4	59.3
72.5°	75.3	70.8	66.3	63.0	60.2	58.3	55.8	54.4	53.4	53.1	52.1
75°	58.7	55.1	51.7	48.8	46.5	45.1	44.1	43.1	42.6	40.8	39.7
77.5°	42.8	40.4	38.3	36.2	34.6	33.7	31.7	30.5	29.8	28.9	28.6
80°	33.3	31.7	29.5	28.3	25.9	25.1	24.3	24.1	23.8	23.6	23.5
82.5°	25.1	23.4	21.3	20.5	19.9	19.4	18.9	18.6	18.5	18.5	18.5
85°	12.7	11.9	11.9	11.6	11.4	11.1	11.0	11.0	10.8	11.0	10.8
87.5°	5.4	5.2	6.0	5.7	6.2	6.4	6.1	6.2	6.5	6.3	6.3
90°	5.6	5.6	9.7	9.7	11.1	12.6	11.9	12.6	13.3	13.9	13.9
92.5°	36.8	51.3	86.8	140.8	193.6	221.1	184.2	137.0	103.1	82.0	68.0
95°	57.9	87.1	147.8	262.2	428.8	568.3	584.3	516.7	408.6	315.1	247.5
97.5°	70.0	94.5	141.2	235.7	401.4	598.5	734.1	763.3	723.2	655.0	582.2
100°	79.5	101.8	142.9	221.8	364.0	560.6	739.0	840.9	854.8	820.6	769.1
102.5°	90.1	111.3	148.5	217.8	338.9	513.2	697.2	837.0	906.2	916.1	894.6
105°	108.1	128.3	161.8	219.6	317.3	457.4	621.3	781.0	901.5	970.5	999.2
107.5°	126.6	146.6	177.3	230.0	313.3	426.1	559.9	701.3	829.7	926.9	989.1
110°	139.5	158.3	189.0	237.7	314.4	415.5	529.2	653.4	773.9	875.0	951.7



TEST NUMBER: P332879-940

CATALOG NUMBER: S124RDIP-S350D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	151.7	170.6	200.1	246.1	317.8	410.5	511.9	618.2	724.9	820.4	897.1
115°	170.9	189.7	217.6	259.4	324.2	407.9	495.7	582.9	668.7	750.2	817.2
117.5°	188.4	207.9	234.4	272.9	331.1	407.2	488.5	565.6	636.6	700.7	757.5
120°	200.1	219.6	246.1	282.4	336.1	407.2	484.6	557.8	622.7	678.4	727.9
122.5°	211.8	230.8	257.3	291.3	341.1	406.6	480.1	551.1	613.7	664.5	707.8
125°	228.0	247.5	272.6	304.7	348.7	405.8	472.7	539.7	599.7	647.7	686.1
127.5°	242.9	262.6	286.9	316.3	354.6	404.3	462.8	525.8	583.0	631.0	667.4
130°	252.4	272.6	296.3	323.5	359.1	403.7	456.7	514.6	569.6	617.1	654.0
132.5°	261.4	280.4	304.2	330.7	363.0	403.1	451.1	502.8	554.6	600.9	637.8
135°	274.0	292.1	315.1	340.3	368.8	402.3	442.7	486.7	532.0	574.5	609.4
137.5°	284.7	302.0	323.5	347.0	372.3	402.2	435.5	472.1	510.4	546.3	577.7
140°	291.4	308.2	329.1	351.4	375.1	401.6	431.6	463.7	496.4	527.8	557.1
142.5°	297.6	313.8	334.1	354.7	377.4	401.6	428.3	455.8	484.7	511.7	537.0
145°	306.1	321.5	339.6	358.4	378.6	400.2	422.5	444.9	468.6	489.5	509.0
147.5°	314.3	328.1	345.2	361.6	379.3	397.7	417.4	435.8	454.6	471.4	486.7
150°	319.3	332.6	347.9	363.3	379.3	396.0	413.5	430.2	446.2	460.2	472.7
152.5°	324.4	336.5	350.2	364.4	378.2	393.2	409.0	424.1	437.8	450.7	461.0
155°	331.2	341.6	353.5	365.3	376.5	389.1	402.3	414.8	426.1	436.5	444.9
157.5°	337.6	345.8	355.9	365.3	374.7	384.8	395.5	404.9	414.3	423.1	429.8
160°	341.0	348.7	357.0	365.3	373.0	381.4	390.5	398.9	406.5	414.2	419.7
162.5°	344.3	350.3	358.1	365.3	371.4	378.1	386.0	392.7	399.2	405.3	410.3
165°	347.9	352.1	358.4	364.0	368.2	373.0	378.6	384.1	388.3	393.2	396.7
167.5°	350.4	353.7	358.3	362.3	364.8	368.0	371.9	375.9	379.2	383.1	385.1
170°	352.1	354.2	357.7	361.1	362.6	364.6	367.5	371.0	373.0	375.9	377.9
172.5°	353.2	354.7	357.1	360.1	360.3	361.3	363.6	366.5	368.0	369.7	371.2
175°	354.9	354.9	356.3	358.4	357.7	357.7	359.1	360.5	361.1	362.6	362.6
177.5°	354.9	354.9	355.4	356.6	355.4	355.4	356.0	356.6	357.1	357.1	357.7
180°	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9



TEST NUMBER: P332879-940

CATALOG NUMBER: S124RDIP-S350D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	500.0	500.3	499.2	498.8	499.2	500.3	500.0	501.0	501.1	502.6	502.0
5°	463.9	463.4	462.4	462.6	462.4	463.4	463.9	465.6	466.4	469.8	469.3
7.5°	432.9	431.3	431.8	430.1	431.8	431.3	432.9	434.4	437.0	438.5	442.2
10°	414.0	411.7	409.8	408.1	409.8	411.7	414.0	414.9	418.5	420.2	423.7
12.5°	388.3	386.2	383.7	384.1	383.7	386.2	388.3	391.9	396.5	400.1	405.7
15°	351.6	348.4	343.4	344.0	343.4	348.4	351.6	354.4	359.0	367.0	370.8
17.5°	320.6	320.6	318.3	318.9	318.3	320.6	320.6	324.3	326.7	331.8	337.6
20°	304.5	303.1	303.3	302.6	303.3	303.1	304.5	309.0	311.5	315.0	321.4
22.5°	293.4	291.6	290.1	288.8	290.1	291.6	293.4	294.6	298.0	301.4	306.6
25°	274.6	273.3	271.4	271.0	271.4	273.3	274.6	276.4	278.1	282.6	285.7
27.5°	258.0	257.8	257.0	256.0	257.0	257.8	258.0	259.7	261.9	264.7	268.8
30°	248.4	248.0	247.5	246.9	247.5	248.0	248.4	250.1	251.7	254.0	257.3
32.5°	239.8	239.5	239.1	239.2	239.1	239.5	239.8	240.6	241.7	244.6	247.1
35°	227.5	227.3	226.9	226.7	226.9	227.3	227.5	228.4	229.0	229.8	231.9
37.5°	216.1	216.6	216.3	216.2	216.3	216.6	216.1	216.2	215.5	217.0	218.5
40°	208.1	208.3	208.7	208.5	208.7	208.3	208.1	208.3	208.3	208.3	209.6
42.5°	201.5	201.5	202.2	201.4	202.2	201.5	201.5	200.7	199.7	199.8	200.3
45°	189.8	191.0	190.7	190.7	190.7	191.0	189.8	188.2	188.1	187.2	187.2
47.5°	176.8	178.0	178.3	178.2	178.3	178.0	176.8	176.3	175.3	174.5	174.4
50°	168.4	168.0	168.6	168.4	168.6	168.0	168.4	167.4	165.9	165.9	165.4
52.5°	158.1	158.2	158.2	157.9	158.2	158.2	158.1	157.6	156.9	156.2	156.0
55°	142.2	142.5	142.0	142.2	142.0	142.5	142.2	142.0	142.0	141.6	142.0
57.5°	125.0	124.0	124.4	123.9	124.4	124.0	125.0	125.9	126.3	126.4	127.0
60°	112.7	111.0	110.6	109.8	110.6	111.0	112.7	114.8	115.7	116.1	116.7
62.5°	98.9	97.6	96.2	96.9	96.2	97.6	98.9	101.1	103.0	104.4	105.9
65°	80.4	79.5	78.9	79.8	78.9	79.5	80.4	82.1	83.8	87.1	90.3
67.5°	66.5	66.1	66.1	65.7	66.1	66.1	66.5	67.4	68.5	70.4	73.3
70°	59.3	58.7	58.7	58.2	58.7	58.7	59.3	59.3	60.4	61.2	63.3
72.5°	51.9	51.3	51.5	51.2	51.5	51.3	51.9	52.1	53.1	53.4	54.4
75°	38.4	37.4	37.4	37.5	37.4	37.4	38.4	39.7	40.8	42.6	43.1
77.5°	28.6	28.4	28.7	28.4	28.7	28.4	28.6	28.6	28.9	29.8	30.5
80°	23.5	23.2	23.0	23.6	23.0	23.2	23.5	23.5	23.6	23.8	24.1
82.5°	18.2	18.2	18.1	18.9	18.1	18.2	18.2	18.5	18.5	18.5	18.6
85°	11.0	10.5	11.0	10.5	11.0	10.5	11.0	10.8	11.0	10.8	11.0
87.5°	6.8	6.8	6.5	6.6	6.5	6.8	6.8	6.3	6.3	6.5	6.2
90°	14.6	15.3	14.6	14.6	14.6	15.3	14.6	13.9	13.9	13.3	12.6
92.5°	59.8	56.1	53.7	53.7	53.7	56.1	59.8	68.0	82.0	103.1	137.0
95°	213.4	191.7	179.2	170.1	179.2	191.7	213.4	247.5	315.1	408.6	516.7
97.5°	532.2	490.2	469.2	454.8	469.2	490.2	532.2	582.2	655.0	723.2	763.3
100°	708.4	665.8	645.0	639.4	645.0	665.8	708.4	769.1	820.6	854.8	840.9
102.5°	857.4	826.5	804.5	800.0	804.5	826.5	857.4	894.6	916.1	906.2	837.0
105°	1000.6	995.0	985.3	981.1	985.3	995.0	1000.6	999.2	970.5	901.5	781.0
107.5°	1023.6	1039.5	1046.4	1048.2	1046.4	1039.5	1023.6	989.1	926.9	829.7	701.3
110°	1001.2	1030.6	1043.1	1049.4	1043.1	1030.6	1001.2	951.7	875.0	773.9	653.4



TEST NUMBER: P332879-940

CATALOG NUMBER: S124RDIP-S350D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	953.2	988.7	1006.3	1016.5	1006.3	988.7	953.2	897.1	820.4	724.9	618.2
115°	872.3	914.1	936.4	942.0	936.4	914.1	872.3	817.2	750.2	668.7	582.9
117.5°	804.5	839.6	862.2	866.6	862.2	839.6	804.5	757.5	700.7	636.6	565.6
120°	767.7	798.3	816.5	824.1	816.5	798.3	767.7	727.9	678.4	622.7	557.8
122.5°	741.5	767.7	783.0	790.7	783.0	767.7	741.5	707.8	664.5	613.7	551.1
125°	714.0	734.2	747.4	751.6	747.4	734.2	714.0	686.1	647.7	599.7	539.7
127.5°	695.4	713.5	724.6	728.8	724.6	713.5	695.4	667.4	631.0	583.0	525.8
130°	682.6	700.1	711.2	715.4	711.2	700.1	682.6	654.0	617.1	569.6	514.6
132.5°	665.8	685.5	696.2	700.3	696.2	685.5	665.8	637.8	600.9	554.6	502.8
135°	637.3	656.8	668.0	672.2	668.0	656.8	637.3	609.4	574.5	532.0	486.7
137.5°	603.8	623.0	632.2	637.3	632.2	623.0	603.8	577.7	546.3	510.4	472.1
140°	581.5	596.8	606.6	612.2	606.6	596.8	581.5	557.1	527.8	496.4	463.7
142.5°	558.7	572.8	581.5	585.4	581.5	572.8	558.7	537.0	511.7	484.7	455.8
145°	526.5	538.2	545.3	548.8	545.3	538.2	526.5	509.0	489.5	468.6	444.9
147.5°	499.5	509.7	515.0	516.2	515.0	509.7	499.5	486.7	471.4	454.6	435.8
150°	483.9	492.9	497.1	497.8	497.1	492.9	483.9	472.7	460.2	446.2	430.2
152.5°	470.5	477.9	480.4	481.1	480.4	477.9	470.5	461.0	450.7	437.8	424.1
155°	451.8	457.4	459.5	459.5	459.5	457.4	451.8	444.9	436.5	426.1	414.8
157.5°	435.1	439.3	440.5	440.5	440.5	439.3	435.1	429.8	423.1	414.3	404.9
160°	423.9	428.1	428.8	428.8	428.8	428.1	423.9	419.7	414.2	406.5	398.9
162.5°	413.3	417.5	418.2	417.7	418.2	417.5	413.3	410.3	405.3	399.2	392.7
165°	399.5	402.3	401.6	400.9	401.6	402.3	399.5	396.7	393.2	388.3	384.1
167.5°	386.6	388.3	388.3	387.6	388.3	388.3	386.6	385.1	383.1	379.2	375.9
170°	379.3	380.0	379.3	379.3	379.3	380.0	379.3	377.9	375.9	373.0	371.0
172.5°	372.0	372.7	372.0	371.0	372.0	372.7	372.0	371.2	369.7	368.0	366.5
175°	362.6	364.0	362.6	361.1	362.6	364.0	362.6	362.6	362.6	361.1	360.5
177.5°	357.1	357.7	356.6	355.4	356.6	357.7	357.1	357.7	357.1	357.1	356.6
180°	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9



TEST NUMBER: P332879-940

CATALOG NUMBER: S124RDIP-S350D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	501.0	502.2	504.9	507.9	510.5	512.6	514.3	516.7	518.9	521.9	524.8
5°	470.6	473.6	477.8	482.9	489.2	493.4	498.6	503.4	510.1	516.8	523.3
7.5°	444.0	447.2	453.4	460.4	467.9	474.8	481.1	489.3	498.2	508.1	519.1
10°	426.7	430.3	437.7	445.7	454.6	461.4	469.8	479.5	489.6	501.7	515.1
12.5°	411.2	414.6	423.5	431.7	440.9	448.4	458.2	468.0	481.5	494.5	509.9
15°	380.9	390.0	400.1	409.8	420.8	429.9	441.7	451.8	464.7	483.0	500.6
17.5°	347.3	357.0	369.6	384.6	399.3	410.5	422.5	435.1	450.4	469.1	489.4
20°	327.7	335.6	349.5	366.1	383.3	398.9	409.8	423.7	439.6	459.9	480.7
22.5°	313.1	319.7	330.6	347.2	365.7	383.8	397.9	411.6	429.1	449.4	472.2
25°	291.1	298.2	307.7	319.1	340.2	359.4	377.7	393.6	412.1	432.4	457.7
27.5°	272.7	278.9	287.7	299.5	313.7	334.8	357.1	375.1	394.2	416.0	441.3
30°	261.9	267.0	274.1	286.1	299.7	318.7	341.3	362.4	381.6	404.1	430.5
32.5°	250.6	256.0	263.0	272.5	287.0	303.0	325.6	348.7	369.1	392.2	418.0
35°	235.5	239.8	246.1	255.7	268.9	282.8	302.8	326.7	348.2	372.9	397.6
37.5°	220.3	225.2	230.2	238.9	249.6	264.6	281.0	305.4	329.2	351.8	375.9
40°	211.7	214.6	220.1	227.1	238.4	251.7	267.2	291.1	314.9	337.2	361.5
42.5°	202.1	205.4	210.0	217.0	227.1	240.1	255.2	275.8	300.7	322.4	344.5
45°	188.7	190.6	195.2	201.1	209.6	222.7	236.6	254.9	278.4	299.1	318.4
47.5°	175.1	176.8	179.7	185.1	194.6	205.1	218.1	234.6	255.1	275.8	292.2
50°	165.9	167.4	170.1	175.1	183.6	193.9	206.8	221.6	240.0	259.8	273.5
52.5°	156.6	157.4	160.0	165.7	172.8	183.0	194.5	208.1	225.2	241.7	255.7
55°	141.8	143.7	145.4	149.6	156.4	166.1	176.5	189.3	202.6	216.5	228.4
57.5°	126.4	128.5	130.9	134.6	140.0	149.0	158.3	168.7	180.1	191.6	201.6
60°	116.3	118.2	120.3	124.5	129.4	136.5	146.7	155.8	164.4	175.0	184.9
62.5°	106.3	108.3	110.7	114.0	118.7	125.6	134.0	141.9	150.9	160.1	167.5
65°	91.6	93.1	95.0	98.2	102.5	108.7	115.7	121.8	129.8	136.5	143.3
67.5°	75.4	78.3	80.7	83.3	87.0	92.7	97.8	103.7	109.1	114.1	120.3
70°	64.8	67.9	70.3	73.0	76.6	81.5	86.3	90.3	94.8	99.6	105.1
72.5°	55.8	58.3	60.2	63.0	66.3	70.8	75.3	78.6	82.3	85.6	91.0
75°	44.1	45.1	46.5	48.8	51.7	55.1	58.7	61.6	63.8	66.7	70.4
77.5°	31.7	33.7	34.6	36.2	38.3	40.4	42.8	45.3	47.3	48.3	51.3
80°	24.3	25.1	25.9	28.3	29.5	31.7	33.3	35.7	36.5	37.5	40.3
82.5°	18.9	19.4	19.9	20.5	21.3	23.4	25.1	26.6	27.4	27.7	29.9
85°	11.0	11.1	11.4	11.6	11.9	11.9	12.7	13.7	15.2	15.2	15.9
87.5°	6.1	6.4	6.2	5.7	6.0	5.2	5.4	5.2	5.5	5.6	5.9
90°	11.9	12.6	11.1	9.7	9.7	5.6	5.6	4.9	4.2	2.1	0.7
92.5°	184.2	221.1	193.6	140.8	86.8	51.3	36.8	26.7	18.1	11.6	7.9
95°	584.3	568.3	428.8	262.2	147.8	87.1	57.9	41.1	32.1	25.1	23.0
97.5°	734.1	598.5	401.4	235.7	141.2	94.5	70.0	55.6	47.3	41.3	41.3
100°	739.0	560.6	364.0	221.8	142.9	101.8	79.5	66.3	57.9	53.0	53.0
102.5°	697.2	513.2	338.9	217.8	148.5	111.3	90.1	77.4	69.6	65.3	64.1
105°	621.3	457.4	317.3	219.6	161.8	128.3	108.1	95.5	87.1	83.6	81.6
107.5°	559.9	426.1	313.3	230.0	177.3	146.6	126.6	114.6	105.7	102.2	100.9
110°	529.2	415.5	314.4	237.7	189.0	158.3	139.5	126.9	118.5	115.0	113.7



TEST NUMBER: P332879-940

CATALOG NUMBER: S124RDIP-S350D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	511.9	410.5	317.8	246.1	200.1	170.6	151.7	139.2	131.3	127.3	125.9
115°	495.7	407.9	324.2	259.4	217.6	189.7	170.9	157.6	150.6	145.7	143.7
117.5°	488.5	407.2	331.1	272.9	234.4	207.9	188.4	176.0	168.4	164.0	162.0
120°	484.6	407.2	336.1	282.4	246.1	219.6	200.1	188.2	180.6	175.7	174.3
122.5°	480.1	406.6	341.1	291.3	257.3	230.8	211.8	198.9	191.7	186.9	185.5
125°	472.7	405.8	348.7	304.7	272.6	247.5	228.0	214.7	207.1	202.9	200.1
127.5°	462.8	404.3	354.6	316.3	286.9	262.6	242.9	229.1	220.3	215.3	213.1
130°	456.7	403.7	359.1	323.5	296.3	272.6	252.4	239.2	228.7	223.1	220.3
132.5°	451.1	403.1	363.0	330.7	304.2	280.4	261.4	247.0	237.1	229.8	227.6
135°	442.7	402.3	368.8	340.3	315.1	292.1	274.0	259.4	247.5	240.6	237.7
137.5°	435.5	402.2	372.3	347.0	323.5	302.0	284.7	269.6	258.2	250.6	248.0
140°	431.6	401.6	375.1	351.4	329.1	308.2	291.4	276.8	264.9	257.3	255.2
142.5°	428.3	401.6	377.4	354.7	334.1	313.8	297.6	283.5	272.2	265.1	263.0
145°	422.5	400.2	378.6	358.4	339.6	321.5	306.1	292.8	283.1	276.1	274.0
147.5°	417.4	397.7	379.3	361.6	345.2	328.1	314.3	303.3	293.3	287.1	286.4
150°	413.5	396.0	379.3	363.3	347.9	332.6	319.3	308.9	300.5	295.0	294.3
152.5°	409.0	393.2	378.2	364.4	350.2	336.5	324.4	315.0	307.2	301.7	301.5
155°	402.3	389.1	376.5	365.3	353.5	341.6	331.2	323.5	316.6	312.4	311.7
157.5°	395.5	384.8	374.7	365.3	355.9	345.8	337.6	330.9	325.5	321.6	321.6
160°	390.5	381.4	373.0	365.3	357.0	348.7	341.0	335.4	330.5	327.7	327.7
162.5°	386.0	378.1	371.4	365.3	358.1	350.3	344.3	339.3	334.9	332.7	333.3
165°	378.6	373.0	368.2	364.0	358.4	352.1	347.9	344.5	341.0	339.6	339.6
167.5°	371.9	368.0	364.8	362.3	358.3	353.7	350.4	348.5	345.8	345.2	345.8
170°	367.5	364.6	362.6	361.1	357.7	354.2	352.1	350.7	348.7	347.9	348.7
172.5°	363.6	361.3	360.3	360.1	357.1	354.7	353.2	352.4	350.9	350.7	351.4
175°	359.1	357.7	357.7	358.4	356.3	354.9	354.9	354.2	353.5	353.5	354.2
177.5°	356.0	355.4	355.4	356.6	355.4	354.9	354.9	354.9	354.4	354.9	355.4
180°	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9



TEST NUMBER: P332879-940

CATALOG NUMBER: S124RDIP-S350D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	527.0	528.5	530.2	533.4	536.1	537.3	539.7	541.4	540.8	543.2	547.2
5°	529.1	534.8	541.4	548.0	555.6	562.0	567.0	572.1	576.1	580.9	588.2
7.5°	528.7	538.9	549.9	562.0	574.4	585.2	595.1	605.3	614.3	624.1	637.0
10°	527.4	540.9	554.6	570.4	586.3	601.3	614.7	627.4	639.4	652.3	668.6
12.5°	525.8	541.4	557.9	577.0	596.7	614.7	630.6	648.9	664.0	680.6	699.3
15°	519.2	540.0	562.7	587.3	611.0	635.3	656.9	679.3	700.3	720.1	743.7
17.5°	511.5	535.6	562.2	591.4	619.7	649.3	675.1	703.3	724.6	751.3	773.2
20°	505.2	531.2	559.6	592.4	624.6	657.4	685.9	714.6	738.6	765.4	793.3
22.5°	497.7	526.1	557.0	590.8	624.6	660.4	692.0	720.5	750.3	780.4	809.1
25°	485.4	515.0	547.7	584.8	623.7	660.1	693.9	729.3	761.4	794.2	819.9
27.5°	470.4	501.4	535.8	574.2	614.0	651.4	691.2	729.0	761.3	792.7	815.2
30°	458.3	491.1	524.2	563.0	604.4	644.5	687.2	725.0	758.9	787.2	799.9
32.5°	446.0	477.1	511.2	550.5	592.9	636.1	678.3	717.0	748.4	765.4	765.7
35°	424.6	453.7	489.2	527.8	571.3	618.1	660.9	698.9	718.2	719.6	698.9
37.5°	401.3	427.9	461.4	500.1	547.7	594.3	638.0	663.3	669.8	648.3	610.1
40°	384.5	409.2	441.5	481.2	528.4	576.6	616.4	635.0	628.3	593.4	550.8
42.5°	366.9	389.9	421.1	460.2	507.7	556.3	590.3	600.2	582.4	542.2	492.2
45°	338.3	359.4	390.2	429.7	475.3	520.8	546.6	541.5	511.8	464.0	408.1
47.5°	308.4	328.9	356.6	393.1	439.8	479.1	496.5	481.3	438.9	386.5	341.0
50°	288.7	309.6	335.1	370.0	412.6	450.6	461.7	438.5	391.5	341.1	299.3
52.5°	269.3	287.1	312.2	345.8	386.6	418.7	424.6	397.9	349.3	304.1	267.0
55°	239.8	256.0	277.1	308.7	344.0	371.2	368.0	333.7	289.5	250.9	221.8
57.5°	211.2	223.4	242.9	272.6	303.5	321.8	310.2	280.9	239.8	208.1	183.6
60°	192.3	203.7	221.8	247.7	275.0	285.3	275.6	243.8	211.2	182.4	161.7
62.5°	174.3	184.4	200.0	224.1	246.1	252.3	241.8	214.0	184.8	160.1	142.9
65°	148.4	157.7	170.9	188.1	203.2	206.2	199.5	170.9	148.8	128.1	116.3
67.5°	124.8	130.8	141.2	156.0	164.1	165.8	152.8	134.8	115.3	102.6	93.7
70°	108.9	113.2	122.8	130.8	137.4	137.6	125.6	111.2	96.2	85.9	79.4
72.5°	93.5	97.6	105.0	110.4	115.5	113.8	102.8	91.5	79.4	71.5	66.7
75°	72.1	75.8	79.5	82.1	82.1	80.0	72.0	63.5	56.5	51.9	50.5
77.5°	52.4	55.4	56.7	56.3	55.6	52.3	47.2	41.6	39.1	37.0	35.8
80°	41.2	42.4	42.8	41.8	40.5	36.7	33.3	31.0	28.7	27.8	27.5
82.5°	30.5	31.7	30.5	30.9	28.0	24.9	23.0	22.2	21.3	21.0	20.5
85°	16.2	16.1	15.6	14.5	12.7	12.2	12.0	11.9	11.4	11.6	11.1
87.5°	6.0	5.9	5.4	5.4	5.4	5.8	6.0	6.2	6.6	6.2	6.7
90°	2.1	4.2	4.9	5.6	5.6	9.7	9.7	11.1	12.6	11.9	12.6
92.5°	11.6	18.1	26.7	36.8	51.3	86.8	140.8	193.6	221.1	184.2	137.0
95°	25.1	32.1	41.1	57.9	87.1	147.8	262.2	428.8	568.3	584.3	516.7
97.5°	41.3	47.3	55.6	70.0	94.5	141.2	235.7	401.4	598.5	734.1	763.3
100°	53.0	57.9	66.3	79.5	101.8	142.9	221.8	364.0	560.6	739.0	840.9
102.5°	65.3	69.6	77.4	90.1	111.3	148.5	217.8	338.9	513.2	697.2	837.0
105°	83.6	87.1	95.5	108.1	128.3	161.8	219.6	317.3	457.4	621.3	781.0
107.5°	102.2	105.7	114.6	126.6	146.6	177.3	230.0	313.3	426.1	559.9	701.3
110°	115.0	118.5	126.9	139.5	158.3	189.0	237.7	314.4	415.5	529.2	653.4



TEST NUMBER: P332879-940

CATALOG NUMBER: S124RDIP-S350D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	127.3	131.3	139.2	151.7	170.6	200.1	246.1	317.8	410.5	511.9	618.2
115°	145.7	150.6	157.6	170.9	189.7	217.6	259.4	324.2	407.9	495.7	582.9
117.5°	164.0	168.4	176.0	188.4	207.9	234.4	272.9	331.1	407.2	488.5	565.6
120°	175.7	180.6	188.2	200.1	219.6	246.1	282.4	336.1	407.2	484.6	557.8
122.5°	186.9	191.7	198.9	211.8	230.8	257.3	291.3	341.1	406.6	480.1	551.1
125°	202.9	207.1	214.7	228.0	247.5	272.6	304.7	348.7	405.8	472.7	539.7
127.5°	215.3	220.3	229.1	242.9	262.6	286.9	316.3	354.6	404.3	462.8	525.8
130°	223.1	228.7	239.2	252.4	272.6	296.3	323.5	359.1	403.7	456.7	514.6
132.5°	229.8	237.1	247.0	261.4	280.4	304.2	330.7	363.0	403.1	451.1	502.8
135°	240.6	247.5	259.4	274.0	292.1	315.1	340.3	368.8	402.3	442.7	486.7
137.5°	250.6	258.2	269.6	284.7	302.0	323.5	347.0	372.3	402.2	435.5	472.1
140°	257.3	264.9	276.8	291.4	308.2	329.1	351.4	375.1	401.6	431.6	463.7
142.5°	265.1	272.2	283.5	297.6	313.8	334.1	354.7	377.4	401.6	428.3	455.8
145°	276.1	283.1	292.8	306.1	321.5	339.6	358.4	378.6	400.2	422.5	444.9
147.5°	287.1	293.3	303.3	314.3	328.1	345.2	361.6	379.3	397.7	417.4	435.8
150°	295.0	300.5	308.9	319.3	332.6	347.9	363.3	379.3	396.0	413.5	430.2
152.5°	301.7	307.2	315.0	324.4	336.5	350.2	364.4	378.2	393.2	409.0	424.1
155°	312.4	316.6	323.5	331.2	341.6	353.5	365.3	376.5	389.1	402.3	414.8
157.5°	321.6	325.5	330.9	337.6	345.8	355.9	365.3	374.7	384.8	395.5	404.9
160°	327.7	330.5	335.4	341.0	348.7	357.0	365.3	373.0	381.4	390.5	398.9
162.5°	332.7	334.9	339.3	344.3	350.3	358.1	365.3	371.4	378.1	386.0	392.7
165°	339.6	341.0	344.5	347.9	352.1	358.4	364.0	368.2	373.0	378.6	384.1
167.5°	345.2	345.8	348.5	350.4	353.7	358.3	362.3	364.8	368.0	371.9	375.9
170°	347.9	348.7	350.7	352.1	354.2	357.7	361.1	362.6	364.6	367.5	371.0
172.5°	350.7	350.9	352.4	353.2	354.7	357.1	360.1	360.3	361.3	363.6	366.5
175°	353.5	353.5	354.2	354.9	354.9	356.3	358.4	357.7	357.7	359.1	360.5
177.5°	354.9	354.4	354.9	354.9	354.9	355.4	356.6	355.4	355.4	356.0	356.6
180°	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	549.5	550.1	550.6	552.3	552.5	554.0	552.5
5°	594.9	597.9	602.5	607.2	607.6	610.6	605.3
7.5°	645.9	652.7	657.0	664.5	667.4	669.3	666.3
10°	681.0	687.3	698.6	704.0	709.5	710.3	707.8
12.5°	715.0	725.0	733.8	744.2	744.0	751.4	748.7
15°	760.2	770.5	782.7	794.3	798.5	798.5	801.9
17.5°	792.4	811.4	824.0	833.1	843.1	844.8	843.6
20°	814.2	834.6	848.2	860.0	866.7	868.6	868.6
22.5°	830.4	847.8	861.0	871.6	877.2	879.4	878.8
25°	841.6	856.6	864.6	867.8	869.2	868.9	864.9
27.5°	826.3	825.5	820.6	810.8	803.5	799.1	794.0
30°	796.9	785.9	773.2	759.3	741.4	727.6	723.4
32.5°	753.1	728.5	707.0	683.9	664.6	650.9	645.1
35°	668.6	629.5	597.6	569.8	549.6	536.9	532.6
37.5°	568.2	530.4	491.0	464.0	447.1	434.4	429.6
40°	504.4	463.2	428.8	403.5	386.2	373.7	373.5
42.5°	446.1	406.8	374.4	356.2	337.6	329.3	329.3
45°	365.3	333.9	306.4	292.0	280.9	274.1	272.2
47.5°	302.5	276.4	258.2	246.7	237.6	233.4	230.5
50°	267.2	244.4	229.8	219.9	214.8	209.4	208.9
52.5°	237.8	219.4	208.0	200.0	193.6	190.3	190.4
55°	199.8	185.3	177.3	171.1	166.1	163.5	162.5
57.5°	168.4	157.5	151.6	146.0	143.8	141.9	141.3
60°	148.8	141.4	135.9	131.4	128.3	127.7	127.4
62.5°	132.6	124.8	121.1	117.6	115.3	114.3	114.0
65°	109.3	103.6	100.2	97.5	96.7	95.1	95.0
67.5°	88.1	84.7	82.5	80.6	79.5	79.4	79.4
70°	75.2	73.2	71.3	70.3	69.6	69.2	69.2
72.5°	64.0	62.6	61.0	60.5	60.4	59.9	59.7
75°	48.8	47.3	47.5	46.5	45.6	44.5	43.9
77.5°	34.6	33.5	33.3	33.2	32.5	32.4	32.6
80°	26.8	25.8	25.5	25.8	25.5	24.9	24.9
82.5°	20.4	19.5	19.3	19.2	19.0	19.2	18.8
85°	11.0	10.5	10.5	10.5	11.0	10.8	10.5
87.5°	6.5	6.5	6.7	6.6	6.8	6.5	6.6
90°	13.3	13.9	13.9	14.6	15.3	14.6	14.6
92.5°	103.1	82.0	68.0	59.8	56.1	53.7	53.7
95°	408.6	315.1	247.5	213.4	191.7	179.2	170.1
97.5°	723.2	655.0	582.2	532.2	490.2	469.2	454.8
100°	854.8	820.6	769.1	708.4	665.8	645.0	639.4
102.5°	906.2	916.1	894.6	857.4	826.5	804.5	800.0
105°	901.5	970.5	999.2	1000.6	995.0	985.3	981.1
107.5°	829.7	926.9	989.1	1023.6	1039.5	1046.4	1048.2
110°	773.9	875.0	951.7	1001.2	1030.6	1043.1	1049.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	724.9	820.4	897.1	953.2	988.7	1006.3	1016.5
115°	668.7	750.2	817.2	872.3	914.1	936.4	942.0
117.5°	636.6	700.7	757.5	804.5	839.6	862.2	866.6
120°	622.7	678.4	727.9	767.7	798.3	816.5	824.1
122.5°	613.7	664.5	707.8	741.5	767.7	783.0	790.7
125°	599.7	647.7	686.1	714.0	734.2	747.4	751.6
127.5°	583.0	631.0	667.4	695.4	713.5	724.6	728.8
130°	569.6	617.1	654.0	682.6	700.1	711.2	715.4
132.5°	554.6	600.9	637.8	665.8	685.5	696.2	700.3
135°	532.0	574.5	609.4	637.3	656.8	668.0	672.2
137.5°	510.4	546.3	577.7	603.8	623.0	632.2	637.3
140°	496.4	527.8	557.1	581.5	596.8	606.6	612.2
142.5°	484.7	511.7	537.0	558.7	572.8	581.5	585.4
145°	468.6	489.5	509.0	526.5	538.2	545.3	548.8
147.5°	454.6	471.4	486.7	499.5	509.7	515.0	516.2
150°	446.2	460.2	472.7	483.9	492.9	497.1	497.8
152.5°	437.8	450.7	461.0	470.5	477.9	480.4	481.1
155°	426.1	436.5	444.9	451.8	457.4	459.5	459.5
157.5°	414.3	423.1	429.8	435.1	439.3	440.5	440.5
160°	406.5	414.2	419.7	423.9	428.1	428.8	428.8
162.5°	399.2	405.3	410.3	413.3	417.5	418.2	417.7
165°	388.3	393.2	396.7	399.5	402.3	401.6	400.9
167.5°	379.2	383.1	385.1	386.6	388.3	388.3	387.6
170°	373.0	375.9	377.9	379.3	380.0	379.3	379.3
172.5°	368.0	369.7	371.2	372.0	372.7	372.0	371.0
175°	361.1	362.6	362.6	362.6	364.0	362.6	361.1
177.5°	357.1	357.1	357.7	357.1	357.7	356.6	355.4
180°	354.9	354.9	354.9	354.9	354.9	354.9	354.9

(END OF REPORT)