

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: P333019-940

Luminaire Tested: **S124RDIW-S350D770U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333019-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S350D770U940-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4064.1 lumens
Efficiency: N/A
Efficacy: 133.7 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

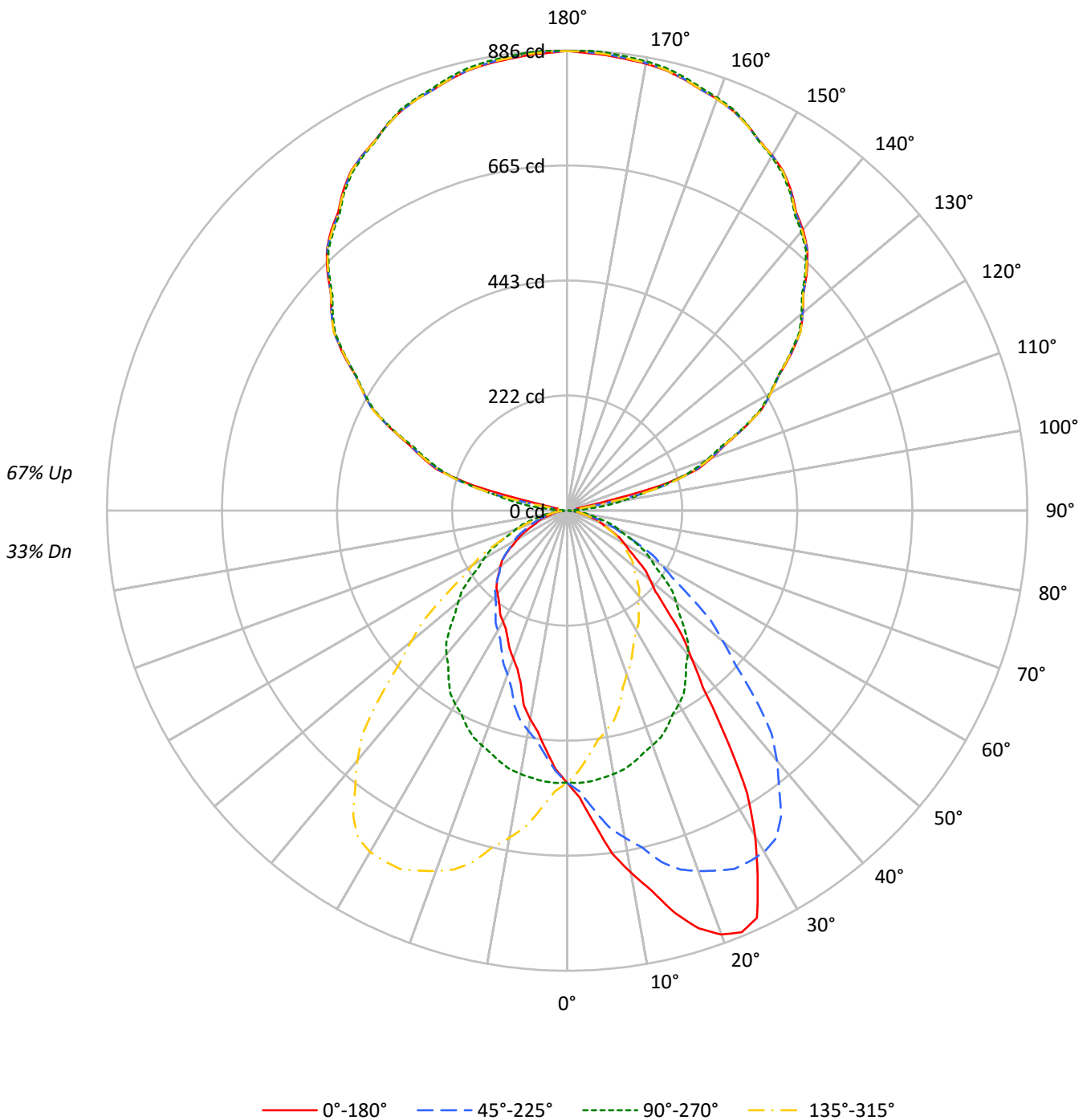
Input Watts (W): 30.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

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	56	56	56	40	40	40	33
1	94	90	86	83	85	81	78	75	65	63	61	50	49	47	36	35	34	28
2	86	79	73	68	77	71	67	62	57	54	51	44	42	40	32	31	29	24
3	79	70	63	57	71	63	57	52	51	46	43	39	36	34	29	27	25	21
4	72	62	54	48	65	56	49	45	45	40	37	35	32	29	26	24	22	18
5	66	55	47	42	59	50	43	38	40	36	32	31	28	25	23	21	19	16
6	61	49	42	36	55	45	38	33	36	31	28	28	25	22	21	19	17	14
7	56	44	37	31	51	40	34	29	33	28	24	26	22	20	19	17	15	12
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	15	14	11
9	48	37	29	25	44	34	27	23	27	23	19	22	18	16	16	14	12	10
10	45	34	27	22	41	31	25	20	25	21	17	20	17	14	15	13	11	9

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



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.2
10°-20°	153.1	3.8
20°-30°	239.4	5.9
30°-40°	266.2	6.5
40°-50°	236.2	5.8
50°-60°	184.0	4.5
60°-70°	120.5	3.0
70°-80°	59.3	1.5
80°-90°	17.2	0.4
90°-100°	30.3	0.7
100°-110°	193.0	4.7
110°-120°	369.2	9.1
120°-130°	468.7	11.5
130°-140°	501.4	12.3
140°-150°	468.9	11.5
150°-160°	378.1	9.3
160°-170°	243.9	6.0
170°-180°	84.1	2.1
0°-30°	443.3	10.9
0°-40°	709.5	17.5
0°-60°	1129.7	27.8
0°-90°	1326.6	32.6
90°-120°	592.4	14.6
90°-150°	2031.4	50.0
90°-180°	2737.0	67.3
0°-180°	4064.1	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°	20	2	20	2	20	9
95°	19	36	19	36	19	15
105°	189	199	189	199	189	165
115°	375	372	375	372	375	371
125°	527	523	527	523	527	469
135°	653	649	653	649	653	503
145°	752	748	752	748	752	470
155°	820	820	820	820	820	378
165°	861	865	861	865	861	243
175°	880	885	880	885	880	84
180°	885	885	885	885	885	



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

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°	7.7	7.5	7.6	7.5	7.6	7.3	7.3	7.5	7.0	7.0	6.7
90°	19.9	19.5	19.3	19.0	18.6	18.1	17.2	16.3	15.4	14.5	13.4
92.5°	18.3	18.2	18.2	18.1	18.0	17.6	16.7	15.8	14.9	14.0	12.8
95°	19.2	19.1	18.9	18.7	18.6	18.1	17.2	16.3	15.4	14.5	14.4
97.5°	18.5	18.4	18.3	18.1	17.9	17.8	17.7	17.7	17.6	17.5	33.9
100°	18.5	18.4	18.3	18.1	17.9	19.1	21.6	24.2	26.7	29.2	49.4
102.5°	19.1	19.0	19.0	19.0	18.9	32.5	59.4	86.4	113.3	140.4	142.9
105°	188.7	193.9	199.2	204.6	209.8	211.8	210.4	209.2	207.9	206.5	205.8
107.5°	262.9	262.3	261.8	261.3	260.6	260.1	259.4	258.8	258.2	257.4	256.5
110°	295.2	294.8	294.4	293.9	293.5	293.1	292.7	292.5	292.2	291.9	291.1



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	327.5	327.0	326.4	325.8	325.3	325.0	325.1	325.1	325.2	325.3	324.9
115°	374.6	374.6	374.6	374.6	374.6	374.5	374.2	373.9	373.6	373.3	373.4
117.5°	422.6	422.6	422.7	422.8	422.8	422.8	422.9	422.9	423.0	423.1	422.8
120°	452.7	453.1	453.3	453.6	453.9	453.9	453.6	453.3	453.1	452.7	452.9
122.5°	482.4	482.7	483.0	483.3	483.6	483.7	483.5	483.3	483.1	483.0	482.7
125°	526.9	526.7	526.6	526.5	526.3	526.0	525.6	525.1	524.7	524.2	524.5
127.5°	566.0	566.1	566.1	566.3	566.4	566.5	566.6	566.7	566.8	566.9	566.1
130°	592.4	592.4	592.4	592.4	592.4	592.4	592.2	592.0	591.9	591.7	591.3
132.5°	616.8	616.9	617.0	617.2	617.2	617.2	617.1	616.9	616.8	616.6	616.1
135°	653.3	653.0	652.7	652.4	652.1	651.8	651.6	651.2	650.9	650.7	650.1
137.5°	684.6	684.7	684.7	684.8	684.9	684.7	684.5	684.1	683.8	683.5	682.9
140°	706.2	706.1	706.0	705.8	705.7	705.3	704.9	704.5	704.0	703.6	703.3
142.5°	724.2	724.2	724.2	724.2	724.2	724.0	723.6	723.4	723.0	722.6	722.5
145°	751.9	751.6	751.4	751.0	750.7	750.6	750.4	750.2	750.1	749.9	749.9
147.5°	774.8	774.7	774.5	774.4	774.3	774.1	774.0	773.8	773.7	773.6	773.7
150°	789.6	789.5	789.3	789.3	789.1	789.0	789.0	789.0	789.0	789.0	789.2
152.5°	802.4	802.5	802.5	802.6	802.7	802.6	802.4	802.2	801.9	801.7	802.0
155°	819.5	819.8	820.3	820.7	821.2	821.1	820.6	819.9	819.4	818.8	819.2
157.5°	833.7	834.5	835.3	836.1	836.8	836.8	836.1	835.3	834.5	833.7	834.2
160°	843.3	844.2	845.1	845.9	846.8	846.8	845.9	845.1	844.2	843.3	843.4
162.5°	850.7	851.7	852.7	853.7	854.7	854.7	853.8	853.0	852.1	851.2	851.3
165°	861.1	862.5	863.8	865.1	866.5	866.5	865.3	864.2	863.0	861.8	861.8
167.5°	869.0	870.4	871.9	873.3	874.9	874.9	873.6	872.4	871.0	869.8	869.9
170°	873.7	875.2	876.6	878.2	879.6	879.8	878.6	877.4	876.2	875.0	874.9
172.5°	876.4	878.0	879.6	881.1	882.7	882.9	881.7	880.6	879.4	878.2	878.1
175°	879.7	881.5	883.2	884.9	886.7	887.0	885.6	884.3	883.0	881.6	881.5
177.5°	881.8	883.2	884.6	886.0	887.4	887.7	886.7	885.8	884.8	883.9	883.7
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

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°	6.5	6.1	6.2	5.9	5.8	6.2	6.3	6.2	6.0	5.8	5.6
90°	12.2	11.1	9.9	8.5	6.9	5.3	3.6	2.0	3.6	5.3	6.9
92.5°	11.7	10.5	9.4	8.6	8.6	8.6	8.5	8.4	8.5	8.6	8.6
95°	14.3	14.1	14.0	16.4	21.4	26.4	31.4	36.4	31.4	26.4	21.4
97.5°	50.3	66.7	83.1	89.8	86.7	83.6	80.4	77.3	80.4	83.6	86.7
100°	69.7	90.1	110.3	119.1	116.5	113.9	111.2	108.5	111.2	113.9	116.5
102.5°	145.6	148.3	150.9	151.2	149.4	147.4	145.4	143.5	145.4	147.4	149.4
105°	205.0	204.3	203.6	202.8	201.9	201.0	200.1	199.2	200.1	201.0	201.9
107.5°	255.5	254.5	253.5	252.8	252.4	251.9	251.5	251.0	251.5	251.9	252.4
110°	290.2	289.3	288.4	287.7	287.3	286.9	286.4	286.0	286.4	286.9	287.3



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	324.4	324.0	323.6	323.0	322.2	321.5	320.7	319.9	320.7	321.5	322.2
115°	373.6	373.7	373.9	373.7	373.3	372.9	372.5	372.0	372.5	372.9	373.3
117.5°	422.4	422.1	421.8	421.3	420.7	420.2	419.5	419.0	419.5	420.2	420.7
120°	453.1	453.2	453.3	453.1	452.5	451.9	451.4	450.8	451.4	451.9	452.5
122.5°	482.5	482.3	482.1	481.8	481.4	481.1	480.7	480.5	480.7	481.1	481.4
125°	524.9	525.1	525.4	525.2	524.7	524.1	523.5	522.9	523.5	524.1	524.7
127.5°	565.5	564.8	564.2	563.7	563.6	563.5	563.3	563.1	563.3	563.5	563.6
130°	590.8	590.4	590.0	589.7	589.5	589.4	589.2	589.1	589.2	589.4	589.5
132.5°	615.5	614.9	614.4	613.9	613.7	613.5	613.2	613.0	613.2	613.5	613.7
135°	649.4	648.9	648.3	648.1	648.2	648.4	648.5	648.6	648.5	648.4	648.2
137.5°	682.2	681.5	680.9	680.6	680.5	680.5	680.4	680.3	680.4	680.5	680.5
140°	703.0	702.8	702.4	702.1	701.9	701.5	701.2	701.0	701.2	701.5	701.9
142.5°	722.3	722.1	721.9	721.6	721.0	720.6	720.1	719.5	720.1	720.6	721.0
145°	749.9	749.9	749.9	749.8	749.3	748.9	748.4	748.0	748.4	748.9	749.3
147.5°	773.9	774.1	774.2	773.9	773.0	772.2	771.4	770.6	771.4	772.2	773.0
150°	789.3	789.4	789.6	789.3	788.8	788.2	787.6	787.0	787.6	788.2	788.8
152.5°	802.3	802.5	802.7	802.6	802.2	801.7	801.2	800.8	801.2	801.7	802.2
155°	819.7	820.1	820.6	820.7	820.6	820.4	820.3	820.1	820.3	820.4	820.6
157.5°	834.7	835.3	835.7	836.1	836.2	836.2	836.3	836.4	836.3	836.2	836.2
160°	843.6	843.7	843.8	844.2	844.6	845.1	845.4	845.9	845.4	845.1	844.6
162.5°	851.5	851.7	851.8	852.1	852.7	853.3	853.8	854.3	853.8	853.3	852.7
165°	861.8	861.8	861.8	862.2	862.9	863.6	864.3	865.1	864.3	863.6	862.9
167.5°	870.0	870.0	870.1	870.5	871.3	872.1	872.8	873.6	872.8	872.1	871.3
170°	874.8	874.6	874.4	874.9	875.7	876.6	877.4	878.3	877.4	876.6	875.7
172.5°	877.9	877.8	877.6	878.0	878.9	879.8	880.7	881.5	880.7	879.8	878.9
175°	881.4	881.2	881.1	881.5	882.3	883.2	884.0	884.9	884.0	883.2	882.3
177.5°	883.4	883.2	883.0	883.2	884.0	884.9	885.7	886.5	885.7	884.9	884.0
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

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°	5.9	6.1	6.2	6.2	6.6	6.8	6.8	7.0	7.3	7.1	7.3
90°	8.5	9.9	11.1	12.2	13.4	14.5	15.4	16.3	17.2	18.1	18.6
92.5°	8.6	9.4	10.5	11.7	12.8	14.0	14.9	15.8	16.7	17.6	18.0
95°	16.4	14.0	14.1	14.3	14.4	14.5	15.4	16.3	17.2	18.1	18.6
97.5°	89.8	83.1	66.7	50.3	33.9	17.5	17.6	17.7	17.7	17.8	17.9
100°	119.1	110.3	90.1	69.7	49.4	29.2	26.7	24.2	21.6	19.1	17.9
102.5°	151.2	150.9	148.3	145.6	142.9	140.4	113.3	86.4	59.4	32.5	18.9
105°	202.8	203.6	204.3	205.0	205.8	206.5	207.9	209.2	210.4	211.8	209.8
107.5°	252.8	253.5	254.5	255.5	256.5	257.4	258.2	258.8	259.4	260.1	260.6
110°	287.7	288.4	289.3	290.2	291.1	291.9	292.2	292.5	292.7	293.1	293.5



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	323.0	323.6	324.0	324.4	324.9	325.3	325.2	325.1	325.1	325.0	325.3
115°	373.7	373.9	373.7	373.6	373.4	373.3	373.6	373.9	374.2	374.5	374.6
117.5°	421.3	421.8	422.1	422.4	422.8	423.1	423.0	422.9	422.9	422.8	422.8
120°	453.1	453.3	453.2	453.1	452.9	452.7	453.1	453.3	453.6	453.9	453.9
122.5°	481.8	482.1	482.3	482.5	482.7	483.0	483.1	483.3	483.5	483.7	483.6
125°	525.2	525.4	525.1	524.9	524.5	524.2	524.7	525.1	525.6	526.0	526.3
127.5°	563.7	564.2	564.8	565.5	566.1	566.9	566.8	566.7	566.6	566.5	566.4
130°	589.7	590.0	590.4	590.8	591.3	591.7	591.9	592.0	592.2	592.4	592.4
132.5°	613.9	614.4	614.9	615.5	616.1	616.6	616.8	616.9	617.1	617.2	617.2
135°	648.1	648.3	648.9	649.4	650.1	650.7	650.9	651.2	651.6	651.8	652.1
137.5°	680.6	680.9	681.5	682.2	682.9	683.5	683.8	684.1	684.5	684.7	684.9
140°	702.1	702.4	702.8	703.0	703.3	703.6	704.0	704.5	704.9	705.3	705.7
142.5°	721.6	721.9	722.1	722.3	722.5	722.6	723.0	723.4	723.6	724.0	724.2
145°	749.8	749.9	749.9	749.9	749.9	749.9	750.1	750.2	750.4	750.6	750.7
147.5°	773.9	774.2	774.1	773.9	773.7	773.6	773.7	773.8	774.0	774.1	774.3
150°	789.3	789.6	789.4	789.3	789.2	789.0	789.0	789.0	789.0	789.0	789.1
152.5°	802.6	802.7	802.5	802.3	802.0	801.7	801.9	802.2	802.4	802.6	802.7
155°	820.7	820.6	820.1	819.7	819.2	818.8	819.4	819.9	820.6	821.1	821.2
157.5°	836.1	835.7	835.3	834.7	834.2	833.7	834.5	835.3	836.1	836.8	836.8
160°	844.2	843.8	843.7	843.6	843.4	843.3	844.2	845.1	845.9	846.8	846.8
162.5°	852.1	851.8	851.7	851.5	851.3	851.2	852.1	853.0	853.8	854.7	854.7
165°	862.2	861.8	861.8	861.8	861.8	861.8	863.0	864.2	865.3	866.5	866.5
167.5°	870.5	870.1	870.0	870.0	869.9	869.8	871.0	872.4	873.6	874.9	874.9
170°	874.9	874.4	874.6	874.8	874.9	875.0	876.2	877.4	878.6	879.8	879.6
172.5°	878.0	877.6	877.8	877.9	878.1	878.2	879.4	880.6	881.7	882.9	882.7
175°	881.5	881.1	881.2	881.4	881.5	881.6	883.0	884.3	885.6	887.0	886.7
177.5°	883.2	883.0	883.2	883.4	883.7	883.9	884.8	885.8	886.7	887.7	887.4
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

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°	7.7	7.6	7.5	7.7	7.5	7.6	7.7	7.3	7.1	7.3	7.0
90°	19.0	19.3	19.5	19.9	19.5	19.3	19.0	18.6	18.1	17.2	16.3
92.5°	18.1	18.2	18.2	18.3	18.2	18.2	18.1	18.0	17.6	16.7	15.8
95°	18.7	18.9	19.1	19.2	19.1	18.9	18.7	18.6	18.1	17.2	16.3
97.5°	18.1	18.3	18.4	18.5	18.4	18.3	18.1	17.9	17.8	17.7	17.7
100°	18.1	18.3	18.4	18.5	18.4	18.3	18.1	17.9	19.1	21.6	24.2
102.5°	19.0	19.0	19.0	19.1	19.0	19.0	19.0	18.9	32.5	59.4	86.4
105°	204.6	199.2	193.9	188.7	193.9	199.2	204.6	209.8	211.8	210.4	209.2
107.5°	261.3	261.8	262.3	262.9	262.3	261.8	261.3	260.6	260.1	259.4	258.8
110°	293.9	294.4	294.8	295.2	294.8	294.4	293.9	293.5	293.1	292.7	292.5



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	325.8	326.4	327.0	327.5	327.0	326.4	325.8	325.3	325.0	325.1	325.1
115°	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.5	374.2	373.9
117.5°	422.8	422.7	422.6	422.6	422.6	422.7	422.8	422.8	422.8	422.9	422.9
120°	453.6	453.3	453.1	452.7	453.1	453.3	453.6	453.9	453.9	453.6	453.3
122.5°	483.3	483.0	482.7	482.4	482.7	483.0	483.3	483.6	483.7	483.5	483.3
125°	526.5	526.6	526.7	526.9	526.7	526.6	526.5	526.3	526.0	525.6	525.1
127.5°	566.3	566.1	566.1	566.0	566.1	566.1	566.3	566.4	566.5	566.6	566.7
130°	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.2	592.0
132.5°	617.2	617.0	616.9	616.8	616.9	617.0	617.2	617.2	617.2	617.1	616.9
135°	652.4	652.7	653.0	653.3	653.0	652.7	652.4	652.1	651.8	651.6	651.2
137.5°	684.8	684.7	684.7	684.6	684.7	684.7	684.8	684.9	684.7	684.5	684.1
140°	705.8	706.0	706.1	706.2	706.1	706.0	705.8	705.7	705.3	704.9	704.5
142.5°	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.0	723.6	723.4
145°	751.0	751.4	751.6	751.9	751.6	751.4	751.0	750.7	750.6	750.4	750.2
147.5°	774.4	774.5	774.7	774.8	774.7	774.5	774.4	774.3	774.1	774.0	773.8
150°	789.3	789.3	789.5	789.6	789.5	789.3	789.3	789.1	789.0	789.0	789.0
152.5°	802.6	802.5	802.5	802.4	802.5	802.5	802.6	802.7	802.6	802.4	802.2
155°	820.7	820.3	819.8	819.5	819.8	820.3	820.7	821.2	821.1	820.6	819.9
157.5°	836.1	835.3	834.5	833.7	834.5	835.3	836.1	836.8	836.8	836.1	835.3
160°	845.9	845.1	844.2	843.3	844.2	845.1	845.9	846.8	846.8	845.9	845.1
162.5°	853.7	852.7	851.7	850.7	851.7	852.7	853.7	854.7	854.7	853.8	853.0
165°	865.1	863.8	862.5	861.1	862.5	863.8	865.1	866.5	866.5	865.3	864.2
167.5°	873.3	871.9	870.4	869.0	870.4	871.9	873.3	874.9	874.9	873.6	872.4
170°	878.2	876.6	875.2	873.7	875.2	876.6	878.2	879.6	879.8	878.6	877.4
172.5°	881.1	879.6	878.0	876.4	878.0	879.6	881.1	882.7	882.9	881.7	880.6
175°	884.9	883.2	881.5	879.7	881.5	883.2	884.9	886.7	887.0	885.6	884.3
177.5°	886.0	884.6	883.2	881.8	883.2	884.6	886.0	887.4	887.7	886.7	885.8
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

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°	6.8	6.8	6.6	6.2	6.2	6.1	5.9	5.6	5.8	6.0	6.2
90°	15.4	14.5	13.4	12.2	11.1	9.9	8.5	6.9	5.3	3.6	2.0
92.5°	14.9	14.0	12.8	11.7	10.5	9.4	8.6	8.6	8.6	8.5	8.4
95°	15.4	14.5	14.4	14.3	14.1	14.0	16.4	21.4	26.4	31.4	36.4
97.5°	17.6	17.5	33.9	50.3	66.7	83.1	89.8	86.7	83.6	80.4	77.3
100°	26.7	29.2	49.4	69.7	90.1	110.3	119.1	116.5	113.9	111.2	108.5
102.5°	113.3	140.4	142.9	145.6	148.3	150.9	151.2	149.4	147.4	145.4	143.5
105°	207.9	206.5	205.8	205.0	204.3	203.6	202.8	201.9	201.0	200.1	199.2
107.5°	258.2	257.4	256.5	255.5	254.5	253.5	252.8	252.4	251.9	251.5	251.0
110°	292.2	291.9	291.1	290.2	289.3	288.4	287.7	287.3	286.9	286.4	286.0



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	325.2	325.3	324.9	324.4	324.0	323.6	323.0	322.2	321.5	320.7	319.9
115°	373.6	373.3	373.4	373.6	373.7	373.9	373.7	373.3	372.9	372.5	372.0
117.5°	423.0	423.1	422.8	422.4	422.1	421.8	421.3	420.7	420.2	419.5	419.0
120°	453.1	452.7	452.9	453.1	453.2	453.3	453.1	452.5	451.9	451.4	450.8
122.5°	483.1	483.0	482.7	482.5	482.3	482.1	481.8	481.4	481.1	480.7	480.5
125°	524.7	524.2	524.5	524.9	525.1	525.4	525.2	524.7	524.1	523.5	522.9
127.5°	566.8	566.9	566.1	565.5	564.8	564.2	563.7	563.6	563.5	563.3	563.1
130°	591.9	591.7	591.3	590.8	590.4	590.0	589.7	589.5	589.4	589.2	589.1
132.5°	616.8	616.6	616.1	615.5	614.9	614.4	613.9	613.7	613.5	613.2	613.0
135°	650.9	650.7	650.1	649.4	648.9	648.3	648.1	648.2	648.4	648.5	648.6
137.5°	683.8	683.5	682.9	682.2	681.5	680.9	680.6	680.5	680.5	680.4	680.3
140°	704.0	703.6	703.3	703.0	702.8	702.4	702.1	701.9	701.5	701.2	701.0
142.5°	723.0	722.6	722.5	722.3	722.1	721.9	721.6	721.0	720.6	720.1	719.5
145°	750.1	749.9	749.9	749.9	749.9	749.9	749.8	749.3	748.9	748.4	748.0
147.5°	773.7	773.6	773.7	773.9	774.1	774.2	773.9	773.0	772.2	771.4	770.6
150°	789.0	789.0	789.2	789.3	789.4	789.6	789.3	788.8	788.2	787.6	787.0
152.5°	801.9	801.7	802.0	802.3	802.5	802.7	802.6	802.2	801.7	801.2	800.8
155°	819.4	818.8	819.2	819.7	820.1	820.6	820.7	820.6	820.4	820.3	820.1
157.5°	834.5	833.7	834.2	834.7	835.3	835.7	836.1	836.2	836.2	836.3	836.4
160°	844.2	843.3	843.4	843.6	843.7	843.8	844.2	844.6	845.1	845.4	845.9
162.5°	852.1	851.2	851.3	851.5	851.7	851.8	852.1	852.7	853.3	853.8	854.3
165°	863.0	861.8	861.8	861.8	861.8	861.8	862.2	862.9	863.6	864.3	865.1
167.5°	871.0	869.8	869.9	870.0	870.0	870.1	870.5	871.3	872.1	872.8	873.6
170°	876.2	875.0	874.9	874.8	874.6	874.4	874.9	875.7	876.6	877.4	878.3
172.5°	879.4	878.2	878.1	877.9	877.8	877.6	878.0	878.9	879.8	880.7	881.5
175°	883.0	881.6	881.5	881.4	881.2	881.1	881.5	882.3	883.2	884.0	884.9
177.5°	884.8	883.9	883.7	883.4	883.2	883.0	883.2	884.0	884.9	885.7	886.5
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

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°	6.3	6.2	5.8	5.9	6.2	6.1	6.5	6.7	7.0	7.0	7.5
90°	3.6	5.3	6.9	8.5	9.9	11.1	12.2	13.4	14.5	15.4	16.3
92.5°	8.5	8.6	8.6	8.6	9.4	10.5	11.7	12.8	14.0	14.9	15.8
95°	31.4	26.4	21.4	16.4	14.0	14.1	14.3	14.4	14.5	15.4	16.3
97.5°	80.4	83.6	86.7	89.8	83.1	66.7	50.3	33.9	17.5	17.6	17.7
100°	111.2	113.9	116.5	119.1	110.3	90.1	69.7	49.4	29.2	26.7	24.2
102.5°	145.4	147.4	149.4	151.2	150.9	148.3	145.6	142.9	140.4	113.3	86.4
105°	200.1	201.0	201.9	202.8	203.6	204.3	205.0	205.8	206.5	207.9	209.2
107.5°	251.5	251.9	252.4	252.8	253.5	254.5	255.5	256.5	257.4	258.2	258.8
110°	286.4	286.9	287.3	287.7	288.4	289.3	290.2	291.1	291.9	292.2	292.5



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	320.7	321.5	322.2	323.0	323.6	324.0	324.4	324.9	325.3	325.2	325.1
115°	372.5	372.9	373.3	373.7	373.9	373.7	373.6	373.4	373.3	373.6	373.9
117.5°	419.5	420.2	420.7	421.3	421.8	422.1	422.4	422.8	423.1	423.0	422.9
120°	451.4	451.9	452.5	453.1	453.3	453.2	453.1	452.9	452.7	453.1	453.3
122.5°	480.7	481.1	481.4	481.8	482.1	482.3	482.5	482.7	483.0	483.1	483.3
125°	523.5	524.1	524.7	525.2	525.4	525.1	524.9	524.5	524.2	524.7	525.1
127.5°	563.3	563.5	563.6	563.7	564.2	564.8	565.5	566.1	566.9	566.8	566.7
130°	589.2	589.4	589.5	589.7	590.0	590.4	590.8	591.3	591.7	591.9	592.0
132.5°	613.2	613.5	613.7	613.9	614.4	614.9	615.5	616.1	616.6	616.8	616.9
135°	648.5	648.4	648.2	648.1	648.3	648.9	649.4	650.1	650.7	650.9	651.2
137.5°	680.4	680.5	680.5	680.6	680.9	681.5	682.2	682.9	683.5	683.8	684.1
140°	701.2	701.5	701.9	702.1	702.4	702.8	703.0	703.3	703.6	704.0	704.5
142.5°	720.1	720.6	721.0	721.6	721.9	722.1	722.3	722.5	722.6	723.0	723.4
145°	748.4	748.9	749.3	749.8	749.9	749.9	749.9	749.9	749.9	750.1	750.2
147.5°	771.4	772.2	773.0	773.9	774.2	774.1	773.9	773.7	773.6	773.7	773.8
150°	787.6	788.2	788.8	789.3	789.6	789.4	789.3	789.2	789.0	789.0	789.0
152.5°	801.2	801.7	802.2	802.6	802.7	802.5	802.3	802.0	801.7	801.9	802.2
155°	820.3	820.4	820.6	820.7	820.6	820.1	819.7	819.2	818.8	819.4	819.9
157.5°	836.3	836.2	836.2	836.1	835.7	835.3	834.7	834.2	833.7	834.5	835.3
160°	845.4	845.1	844.6	844.2	843.8	843.7	843.6	843.4	843.3	844.2	845.1
162.5°	853.8	853.3	852.7	852.1	851.8	851.7	851.5	851.3	851.2	852.1	853.0
165°	864.3	863.6	862.9	862.2	861.8	861.8	861.8	861.8	861.8	863.0	864.2
167.5°	872.8	872.1	871.3	870.5	870.1	870.0	870.0	869.9	869.8	871.0	872.4
170°	877.4	876.6	875.7	874.9	874.4	874.6	874.8	874.9	875.0	876.2	877.4
172.5°	880.7	879.8	878.9	878.0	877.6	877.8	877.9	878.1	878.2	879.4	880.6
175°	884.0	883.2	882.3	881.5	881.1	881.2	881.4	881.5	881.6	883.0	884.3
177.5°	885.7	884.9	884.0	883.2	883.0	883.2	883.4	883.7	883.9	884.8	885.8
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

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°	7.3	7.3	7.6	7.5	7.6	7.5	7.7
90°	17.2	18.1	18.6	19.0	19.3	19.5	19.9
92.5°	16.7	17.6	18.0	18.1	18.2	18.2	18.3
95°	17.2	18.1	18.6	18.7	18.9	19.1	19.2
97.5°	17.7	17.8	17.9	18.1	18.3	18.4	18.5
100°	21.6	19.1	17.9	18.1	18.3	18.4	18.5
102.5°	59.4	32.5	18.9	19.0	19.0	19.0	19.1
105°	210.4	211.8	209.8	204.6	199.2	193.9	188.7
107.5°	259.4	260.1	260.6	261.3	261.8	262.3	262.9
110°	292.7	293.1	293.5	293.9	294.4	294.8	295.2



TEST NUMBER: P333019-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	325.1	325.0	325.3	325.8	326.4	327.0	327.5
115°	374.2	374.5	374.6	374.6	374.6	374.6	374.6
117.5°	422.9	422.8	422.8	422.8	422.7	422.6	422.6
120°	453.6	453.9	453.9	453.6	453.3	453.1	452.7
122.5°	483.5	483.7	483.6	483.3	483.0	482.7	482.4
125°	525.6	526.0	526.3	526.5	526.6	526.7	526.9
127.5°	566.6	566.5	566.4	566.3	566.1	566.1	566.0
130°	592.2	592.4	592.4	592.4	592.4	592.4	592.4
132.5°	617.1	617.2	617.2	617.2	617.0	616.9	616.8
135°	651.6	651.8	652.1	652.4	652.7	653.0	653.3
137.5°	684.5	684.7	684.9	684.8	684.7	684.7	684.6
140°	704.9	705.3	705.7	705.8	706.0	706.1	706.2
142.5°	723.6	724.0	724.2	724.2	724.2	724.2	724.2
145°	750.4	750.6	750.7	751.0	751.4	751.6	751.9
147.5°	774.0	774.1	774.3	774.4	774.5	774.7	774.8
150°	789.0	789.0	789.1	789.3	789.3	789.5	789.6
152.5°	802.4	802.6	802.7	802.6	802.5	802.5	802.4
155°	820.6	821.1	821.2	820.7	820.3	819.8	819.5
157.5°	836.1	836.8	836.8	836.1	835.3	834.5	833.7
160°	845.9	846.8	846.8	845.9	845.1	844.2	843.3
162.5°	853.8	854.7	854.7	853.7	852.7	851.7	850.7
165°	865.3	866.5	866.5	865.1	863.8	862.5	861.1
167.5°	873.6	874.9	874.9	873.3	871.9	870.4	869.0
170°	878.6	879.8	879.6	878.2	876.6	875.2	873.7
172.5°	881.7	882.9	882.7	881.1	879.6	878.0	876.4
175°	885.6	887.0	886.7	884.9	883.2	881.5	879.7
177.5°	886.7	887.7	887.4	886.0	884.6	883.2	881.8
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9

(END OF REPORT)