

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: P333020-940

Luminaire Tested: **S124RDIW-S350D770U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333020-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
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-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

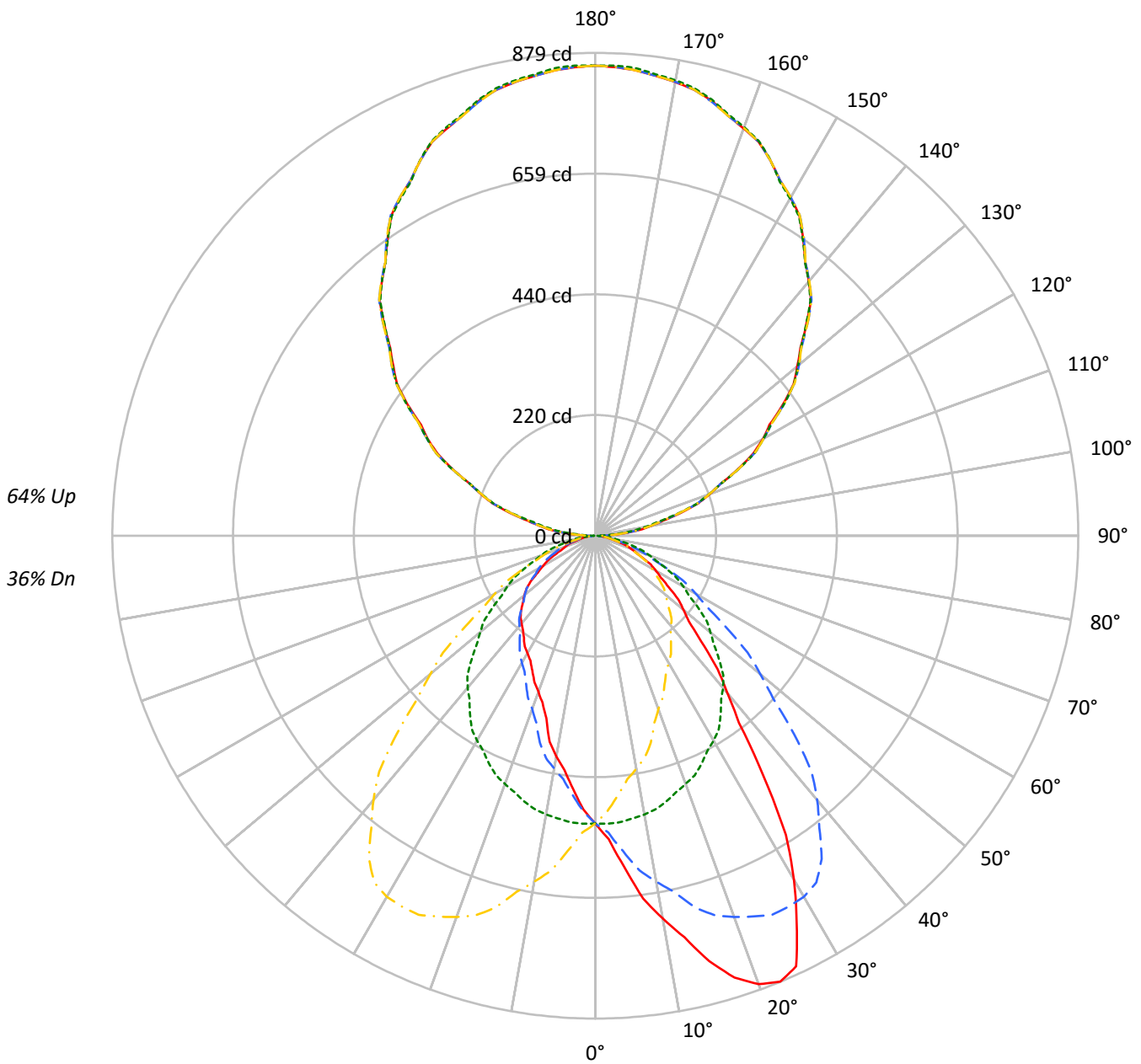
Lumens per Lamp: N/A  
Luminaire Lumens: 3700.8 lumens  
Efficiency: N/A  
Efficacy: 121.7 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 30.4  
Input Voltage (V): 120  
Input Current (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



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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - · - · 90°-270°    - · - · 135°-315°



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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	104	104	104	104	94	94	94	94	75	75	75	59	59	59	43	43	43	36
1	95	91	87	84	86	82	79	76	67	64	62	52	51	49	39	38	37	31
2	87	80	74	69	78	72	67	63	59	55	52	46	44	42	34	33	32	26
3	79	70	63	58	71	64	58	53	52	48	44	41	38	36	31	29	27	23
4	73	62	55	49	65	57	50	45	46	42	38	37	33	31	28	25	24	20
5	67	56	48	42	60	51	44	39	41	37	33	33	29	27	25	23	21	17
6	61	50	42	36	55	46	39	34	37	32	29	30	26	23	23	20	18	15
7	57	45	37	32	51	41	34	30	34	29	25	27	23	21	21	18	16	14
8	53	41	33	28	48	37	31	26	31	26	22	25	21	19	19	17	15	12
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	18	15	13	11
10	46	34	27	22	41	31	25	21	26	21	18	21	18	15	16	14	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	1.4
10°-20°	153.1	4.1
20°-30°	239.4	6.5
30°-40°	266.2	7.2
40°-50°	236.2	6.4
50°-60°	184.0	5.0
60°-70°	120.5	3.3
70°-80°	59.3	1.6
80°-90°	17.2	0.5
90°-100°	56.4	1.5
100°-110°	167.2	4.5
110°-120°	283.8	7.7
120°-130°	374.2	10.1
130°-140°	420.2	11.4
140°-150°	413.0	11.2
150°-160°	347.3	9.4
160°-170°	231.1	6.2
170°-180°	80.9	2.2
0°-30°	443.3	12.0
0°-40°	709.5	19.2
0°-60°	1129.7	30.5
0°-90°	1326.6	35.8
90°-120°	507.4	13.7
90°-150°	1714.8	46.3
90°-180°	2374.0	64.1
0°-180°	3700.8	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	11
95°	52	40	52	40	52	54
105°	162	154	162	154	162	170
115°	286	289	286	289	286	283
125°	417	420	417	420	417	372
135°	543	542	543	542	543	419
145°	659	658	659	658	659	412
155°	754	754	754	754	754	347
165°	819	821	819	821	819	231
175°	850	854	850	854	850	81
180°	856	856	856	856	856	



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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°	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°	29.4	29.2	29.1	28.9	28.7	28.4	27.8	27.3	26.8	26.2	25.4
95°	52.3	52.3	52.3	52.3	52.3	52.1	51.6	51.2	50.7	50.3	49.3
97.5°	81.9	81.9	81.9	81.9	81.9	81.7	81.1	80.6	80.1	79.5	78.4
100°	102.5	102.5	102.5	102.5	102.5	102.5	102.1	101.8	101.6	101.3	100.0
102.5°	125.9	125.7	125.6	125.6	125.4	125.1	124.8	124.3	123.9	123.5	122.3
105°	161.5	161.0	160.6	160.2	159.7	159.3	158.8	158.4	157.9	157.5	156.9
107.5°	196.2	196.2	196.3	196.3	196.3	196.1	195.6	195.3	194.8	194.5	194.4
110°	221.1	220.6	220.2	219.7	219.3	219.2	219.5	219.8	220.1	220.3	220.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	246.5	246.4	246.3	246.2	246.1	246.1	246.1	246.2	246.3	246.3	246.6
115°	285.9	286.1	286.2	286.3	286.5	286.6	286.8	287.0	287.0	287.2	287.5
117.5°	323.5	323.8	324.0	324.4	324.7	325.0	325.6	326.1	326.5	327.1	327.3
120°	352.0	351.8	351.5	351.2	350.9	351.2	351.9	352.6	353.3	354.1	354.5
122.5°	375.9	376.5	376.9	377.5	378.0	378.5	379.1	379.5	380.0	380.6	380.8
125°	417.0	417.2	417.5	417.9	418.1	418.4	418.7	419.0	419.3	419.5	419.7
127.5°	455.0	455.1	455.4	455.7	455.8	456.1	456.5	456.7	457.0	457.4	457.5
130°	479.8	480.4	481.0	481.6	482.1	482.6	482.9	483.2	483.5	483.8	483.8
132.5°	506.3	506.5	506.8	507.0	507.2	507.5	507.8	508.1	508.4	508.6	508.8
135°	542.7	543.1	543.6	544.0	544.5	544.8	545.1	545.4	545.7	546.0	546.0
137.5°	580.9	580.9	580.8	580.7	580.6	580.8	581.1	581.5	581.8	582.3	582.0
140°	604.2	604.4	604.5	604.7	604.8	604.9	605.1	605.3	605.4	605.6	605.6
142.5°	627.5	627.6	627.6	627.6	627.7	627.7	627.7	627.8	627.8	627.8	627.9
145°	659.2	659.6	660.0	660.5	660.9	661.2	661.4	661.6	661.6	661.8	661.6
147.5°	691.2	691.3	691.5	691.6	691.8	691.9	692.1	692.1	692.2	692.4	692.5
150°	710.8	711.0	711.1	711.2	711.4	711.5	711.5	711.5	711.5	711.5	711.5
152.5°	728.8	729.2	729.6	730.0	730.3	730.3	730.0	729.6	729.2	728.9	728.8
155°	753.9	754.4	755.0	755.5	756.2	756.2	755.5	755.0	754.4	753.9	753.9
157.5°	776.1	776.7	777.2	777.7	778.2	778.2	777.8	777.3	776.9	776.4	776.5
160°	788.9	789.6	790.3	791.1	791.8	792.0	791.6	791.1	790.7	790.2	790.3
162.5°	802.1	802.9	803.6	804.3	805.0	805.0	804.2	803.4	802.6	801.8	802.0
165°	819.3	819.9	820.5	821.1	821.7	821.5	820.6	819.7	818.9	818.0	818.3
167.5°	831.6	832.6	833.5	834.4	835.3	835.3	834.4	833.6	832.7	831.8	831.7
170°	838.6	839.5	840.6	841.6	842.7	842.8	841.9	841.0	840.1	839.2	839.0
172.5°	844.4	845.3	846.4	847.4	848.5	848.5	847.5	846.5	845.5	844.5	844.5
175°	850.4	851.5	852.5	853.5	854.5	854.5	853.5	852.5	851.5	850.4	850.6
177.5°	853.6	854.5	855.5	856.4	857.4	857.5	856.6	855.8	855.0	854.2	854.2
180°	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7



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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°	6.5	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°	24.5	23.7	22.9	21.6	19.7	17.8	16.1	14.2	16.1	17.8	19.7
95°	48.2	47.2	46.2	45.0	43.7	42.4	41.0	39.7	41.0	42.4	43.7
97.5°	77.1	76.0	74.7	73.6	72.5	71.5	70.4	69.4	70.4	71.5	72.5
100°	98.6	97.3	95.9	95.0	94.4	93.8	93.3	92.6	93.3	93.8	94.4
102.5°	121.1	119.8	118.7	118.0	117.7	117.4	117.3	117.0	117.3	117.4	117.7
105°	156.3	155.8	155.2	154.8	154.6	154.5	154.4	154.2	154.4	154.5	154.6
107.5°	194.3	194.2	194.1	193.9	193.8	193.6	193.4	193.2	193.4	193.6	193.8
110°	220.7	220.8	221.0	220.9	220.6	220.3	220.0	219.7	220.0	220.3	220.6





TEST NUMBER: P333020-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	246.8	247.1	247.4	247.4	247.4	247.4	247.3	247.3	247.3	247.4	247.4
115°	287.8	288.1	288.4	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
117.5°	327.5	327.7	327.9	328.0	327.8	327.7	327.6	327.4	327.6	327.7	327.8
120°	355.0	355.4	355.8	355.8	355.2	354.5	354.0	353.4	354.0	354.5	355.2
122.5°	380.9	381.2	381.4	381.4	381.1	380.8	380.7	380.4	380.7	380.8	381.1
125°	419.9	420.0	420.2	420.3	420.3	420.3	420.3	420.3	420.3	420.3	420.3
127.5°	457.8	458.0	458.3	458.2	457.7	457.3	456.8	456.4	456.8	457.3	457.7
130°	483.8	483.8	483.8	483.6	483.1	482.7	482.2	481.8	482.2	482.7	483.1
132.5°	508.9	509.0	509.2	509.1	508.7	508.4	508.1	507.7	508.1	508.4	508.7
135°	546.0	546.0	546.0	545.5	544.7	543.8	542.9	542.1	542.9	543.8	544.7
137.5°	581.8	581.6	581.3	581.0	580.6	580.1	579.8	579.3	579.8	580.1	580.6
140°	605.6	605.6	605.6	605.4	605.1	604.8	604.5	604.2	604.5	604.8	605.1
142.5°	628.0	628.1	628.3	628.2	627.9	627.6	627.3	627.0	627.3	627.6	627.9
145°	661.6	661.4	661.2	660.8	660.3	659.7	659.1	658.5	659.1	659.7	660.3
147.5°	692.6	692.8	692.9	692.6	691.9	691.2	690.5	689.7	690.5	691.2	691.9
150°	711.5	711.5	711.5	711.1	710.6	710.0	709.4	708.8	709.4	710.0	710.6
152.5°	728.7	728.5	728.4	728.3	727.9	727.5	727.2	726.8	727.2	727.5	727.9
155°	754.1	754.2	754.4	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
157.5°	776.5	776.5	776.6	776.7	776.9	777.2	777.5	777.8	777.5	777.2	776.9
160°	790.5	790.7	790.8	790.9	791.1	791.2	791.4	791.6	791.4	791.2	791.1
162.5°	802.2	802.3	802.5	802.7	803.1	803.4	803.9	804.2	803.9	803.4	803.1
165°	818.6	818.9	819.2	819.6	820.0	820.5	820.9	821.4	820.9	820.5	820.0
167.5°	831.7	831.7	831.6	832.0	832.6	833.2	833.8	834.4	833.8	833.2	832.6
170°	838.9	838.7	838.6	838.9	839.6	840.3	841.1	841.9	841.1	840.3	839.6
172.5°	844.5	844.4	844.4	844.6	845.3	845.9	846.5	847.1	846.5	845.9	845.3
175°	850.7	850.9	851.0	851.5	852.2	852.9	853.6	854.4	853.6	852.9	852.2
177.5°	854.2	854.2	854.2	854.4	855.1	855.6	856.2	856.8	856.2	855.6	855.1
180°	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7



TEST NUMBER: P333020-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A1

**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°	21.6	22.9	23.7	24.5	25.4	26.2	26.8	27.3	27.8	28.4	28.7
95°	45.0	46.2	47.2	48.2	49.3	50.3	50.7	51.2	51.6	52.1	52.3
97.5°	73.6	74.7	76.0	77.1	78.4	79.5	80.1	80.6	81.1	81.7	81.9
100°	95.0	95.9	97.3	98.6	100.0	101.3	101.6	101.8	102.1	102.5	102.5
102.5°	118.0	118.7	119.8	121.1	122.3	123.5	123.9	124.3	124.8	125.1	125.4
105°	154.8	155.2	155.8	156.3	156.9	157.5	157.9	158.4	158.8	159.3	159.7
107.5°	193.9	194.1	194.2	194.3	194.4	194.5	194.8	195.3	195.6	196.1	196.3
110°	220.9	221.0	220.8	220.7	220.5	220.3	220.1	219.8	219.5	219.2	219.3



TEST NUMBER: P333020-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	247.4	247.4	247.1	246.8	246.6	246.3	246.3	246.2	246.1	246.1	246.1
115°	288.6	288.4	288.1	287.8	287.5	287.2	287.0	287.0	286.8	286.6	286.5
117.5°	328.0	327.9	327.7	327.5	327.3	327.1	326.5	326.1	325.6	325.0	324.7
120°	355.8	355.8	355.4	355.0	354.5	354.1	353.3	352.6	351.9	351.2	350.9
122.5°	381.4	381.4	381.2	380.9	380.8	380.6	380.0	379.5	379.1	378.5	378.0
125°	420.3	420.2	420.0	419.9	419.7	419.5	419.3	419.0	418.7	418.4	418.1
127.5°	458.2	458.3	458.0	457.8	457.5	457.4	457.0	456.7	456.5	456.1	455.8
130°	483.6	483.8	483.8	483.8	483.8	483.8	483.5	483.2	482.9	482.6	482.1
132.5°	509.1	509.2	509.0	508.9	508.8	508.6	508.4	508.1	507.8	507.5	507.2
135°	545.5	546.0	546.0	546.0	546.0	546.0	545.7	545.4	545.1	544.8	544.5
137.5°	581.0	581.3	581.6	581.8	582.0	582.3	581.8	581.5	581.1	580.8	580.6
140°	605.4	605.6	605.6	605.6	605.6	605.6	605.4	605.3	605.1	604.9	604.8
142.5°	628.2	628.3	628.1	628.0	627.9	627.8	627.8	627.8	627.7	627.7	627.7
145°	660.8	661.2	661.4	661.6	661.6	661.8	661.6	661.6	661.4	661.2	660.9
147.5°	692.6	692.9	692.8	692.6	692.5	692.4	692.2	692.1	692.1	691.9	691.8
150°	711.1	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.4
152.5°	728.3	728.4	728.5	728.7	728.8	728.9	729.2	729.6	730.0	730.3	730.3
155°	754.5	754.4	754.2	754.1	753.9	753.9	754.4	755.0	755.5	756.2	756.2
157.5°	776.7	776.6	776.5	776.5	776.5	776.4	776.9	777.3	777.8	778.2	778.2
160°	790.9	790.8	790.7	790.5	790.3	790.2	790.7	791.1	791.6	792.0	791.8
162.5°	802.7	802.5	802.3	802.2	802.0	801.8	802.6	803.4	804.2	805.0	805.0
165°	819.6	819.2	818.9	818.6	818.3	818.0	818.9	819.7	820.6	821.5	821.7
167.5°	832.0	831.6	831.7	831.7	831.7	831.8	832.7	833.6	834.4	835.3	835.3
170°	838.9	838.6	838.7	838.9	839.0	839.2	840.1	841.0	841.9	842.8	842.7
172.5°	844.6	844.4	844.4	844.5	844.5	844.5	845.5	846.5	847.5	848.5	848.5
175°	851.5	851.0	850.9	850.7	850.6	850.4	851.5	852.5	853.5	854.5	854.5
177.5°	854.4	854.2	854.2	854.2	854.2	854.2	855.0	855.8	856.6	857.5	857.4
180°	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7



TEST NUMBER: P333020-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A1

**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°	28.9	29.1	29.2	29.4	29.2	29.1	28.9	28.7	28.4	27.8	27.3
95°	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.1	51.6	51.2
97.5°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.7	81.1	80.6
100°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.1	101.8
102.5°	125.6	125.6	125.7	125.9	125.7	125.6	125.6	125.4	125.1	124.8	124.3
105°	160.2	160.6	161.0	161.5	161.0	160.6	160.2	159.7	159.3	158.8	158.4
107.5°	196.3	196.3	196.2	196.2	196.2	196.3	196.3	196.3	196.1	195.6	195.3
110°	219.7	220.2	220.6	221.1	220.6	220.2	219.7	219.3	219.2	219.5	219.8



TEST NUMBER: P333020-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	246.2	246.3	246.4	246.5	246.4	246.3	246.2	246.1	246.1	246.1	246.2
115°	286.3	286.2	286.1	285.9	286.1	286.2	286.3	286.5	286.6	286.8	287.0
117.5°	324.4	324.0	323.8	323.5	323.8	324.0	324.4	324.7	325.0	325.6	326.1
120°	351.2	351.5	351.8	352.0	351.8	351.5	351.2	350.9	351.2	351.9	352.6
122.5°	377.5	376.9	376.5	375.9	376.5	376.9	377.5	378.0	378.5	379.1	379.5
125°	417.9	417.5	417.2	417.0	417.2	417.5	417.9	418.1	418.4	418.7	419.0
127.5°	455.7	455.4	455.1	455.0	455.1	455.4	455.7	455.8	456.1	456.5	456.7
130°	481.6	481.0	480.4	479.8	480.4	481.0	481.6	482.1	482.6	482.9	483.2
132.5°	507.0	506.8	506.5	506.3	506.5	506.8	507.0	507.2	507.5	507.8	508.1
135°	544.0	543.6	543.1	542.7	543.1	543.6	544.0	544.5	544.8	545.1	545.4
137.5°	580.7	580.8	580.9	580.9	580.9	580.8	580.7	580.6	580.8	581.1	581.5
140°	604.7	604.5	604.4	604.2	604.4	604.5	604.7	604.8	604.9	605.1	605.3
142.5°	627.6	627.6	627.6	627.5	627.6	627.6	627.6	627.7	627.7	627.7	627.8
145°	660.5	660.0	659.6	659.2	659.6	660.0	660.5	660.9	661.2	661.4	661.6
147.5°	691.6	691.5	691.3	691.2	691.3	691.5	691.6	691.8	691.9	692.1	692.1
150°	711.2	711.1	711.0	710.8	711.0	711.1	711.2	711.4	711.5	711.5	711.5
152.5°	730.0	729.6	729.2	728.8	729.2	729.6	730.0	730.3	730.3	730.0	729.6
155°	755.5	755.0	754.4	753.9	754.4	755.0	755.5	756.2	756.2	755.5	755.0
157.5°	777.7	777.2	776.7	776.1	776.7	777.2	777.7	778.2	778.2	777.8	777.3
160°	791.1	790.3	789.6	788.9	789.6	790.3	791.1	791.8	792.0	791.6	791.1
162.5°	804.3	803.6	802.9	802.1	802.9	803.6	804.3	805.0	805.0	804.2	803.4
165°	821.1	820.5	819.9	819.3	819.9	820.5	821.1	821.7	821.5	820.6	819.7
167.5°	834.4	833.5	832.6	831.6	832.6	833.5	834.4	835.3	835.3	834.4	833.6
170°	841.6	840.6	839.5	838.6	839.5	840.6	841.6	842.7	842.8	841.9	841.0
172.5°	847.4	846.4	845.3	844.4	845.3	846.4	847.4	848.5	848.5	847.5	846.5
175°	853.5	852.5	851.5	850.4	851.5	852.5	853.5	854.5	854.5	853.5	852.5
177.5°	856.4	855.5	854.5	853.6	854.5	855.5	856.4	857.4	857.5	856.6	855.8
180°	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7



TEST NUMBER: P333020-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A1

**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°	26.8	26.2	25.4	24.5	23.7	22.9	21.6	19.7	17.8	16.1	14.2
95°	50.7	50.3	49.3	48.2	47.2	46.2	45.0	43.7	42.4	41.0	39.7
97.5°	80.1	79.5	78.4	77.1	76.0	74.7	73.6	72.5	71.5	70.4	69.4
100°	101.6	101.3	100.0	98.6	97.3	95.9	95.0	94.4	93.8	93.3	92.6
102.5°	123.9	123.5	122.3	121.1	119.8	118.7	118.0	117.7	117.4	117.3	117.0
105°	157.9	157.5	156.9	156.3	155.8	155.2	154.8	154.6	154.5	154.4	154.2
107.5°	194.8	194.5	194.4	194.3	194.2	194.1	193.9	193.8	193.6	193.4	193.2
110°	220.1	220.3	220.5	220.7	220.8	221.0	220.9	220.6	220.3	220.0	219.7



TEST NUMBER: P333020-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	246.3	246.3	246.6	246.8	247.1	247.4	247.4	247.4	247.4	247.3	247.3
115°	287.0	287.2	287.5	287.8	288.1	288.4	288.6	288.6	288.6	288.6	288.6
117.5°	326.5	327.1	327.3	327.5	327.7	327.9	328.0	327.8	327.7	327.6	327.4
120°	353.3	354.1	354.5	355.0	355.4	355.8	355.8	355.2	354.5	354.0	353.4
122.5°	380.0	380.6	380.8	380.9	381.2	381.4	381.4	381.1	380.8	380.7	380.4
125°	419.3	419.5	419.7	419.9	420.0	420.2	420.3	420.3	420.3	420.3	420.3
127.5°	457.0	457.4	457.5	457.8	458.0	458.3	458.2	457.7	457.3	456.8	456.4
130°	483.5	483.8	483.8	483.8	483.8	483.8	483.6	483.1	482.7	482.2	481.8
132.5°	508.4	508.6	508.8	508.9	509.0	509.2	509.1	508.7	508.4	508.1	507.7
135°	545.7	546.0	546.0	546.0	546.0	546.0	545.5	544.7	543.8	542.9	542.1
137.5°	581.8	582.3	582.0	581.8	581.6	581.3	581.0	580.6	580.1	579.8	579.3
140°	605.4	605.6	605.6	605.6	605.6	605.6	605.4	605.1	604.8	604.5	604.2
142.5°	627.8	627.8	627.9	628.0	628.1	628.3	628.2	627.9	627.6	627.3	627.0
145°	661.6	661.8	661.6	661.6	661.4	661.2	660.8	660.3	659.7	659.1	658.5
147.5°	692.2	692.4	692.5	692.6	692.8	692.9	692.6	691.9	691.2	690.5	689.7
150°	711.5	711.5	711.5	711.5	711.5	711.5	711.1	710.6	710.0	709.4	708.8
152.5°	729.2	728.9	728.8	728.7	728.5	728.4	728.3	727.9	727.5	727.2	726.8
155°	754.4	753.9	753.9	754.1	754.2	754.4	754.5	754.5	754.5	754.5	754.5
157.5°	776.9	776.4	776.5	776.5	776.5	776.6	776.7	776.9	777.2	777.5	777.8
160°	790.7	790.2	790.3	790.5	790.7	790.8	790.9	791.1	791.2	791.4	791.6
162.5°	802.6	801.8	802.0	802.2	802.3	802.5	802.7	803.1	803.4	803.9	804.2
165°	818.9	818.0	818.3	818.6	818.9	819.2	819.6	820.0	820.5	820.9	821.4
167.5°	832.7	831.8	831.7	831.7	831.7	831.6	832.0	832.6	833.2	833.8	834.4
170°	840.1	839.2	839.0	838.9	838.7	838.6	838.9	839.6	840.3	841.1	841.9
172.5°	845.5	844.5	844.5	844.5	844.4	844.4	844.6	845.3	845.9	846.5	847.1
175°	851.5	850.4	850.6	850.7	850.9	851.0	851.5	852.2	852.9	853.6	854.4
177.5°	855.0	854.2	854.2	854.2	854.2	854.2	854.4	855.1	855.6	856.2	856.8
180°	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7



TEST NUMBER: P333020-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A1

**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°	16.1	17.8	19.7	21.6	22.9	23.7	24.5	25.4	26.2	26.8	27.3
95°	41.0	42.4	43.7	45.0	46.2	47.2	48.2	49.3	50.3	50.7	51.2
97.5°	70.4	71.5	72.5	73.6	74.7	76.0	77.1	78.4	79.5	80.1	80.6
100°	93.3	93.8	94.4	95.0	95.9	97.3	98.6	100.0	101.3	101.6	101.8
102.5°	117.3	117.4	117.7	118.0	118.7	119.8	121.1	122.3	123.5	123.9	124.3
105°	154.4	154.5	154.6	154.8	155.2	155.8	156.3	156.9	157.5	157.9	158.4
107.5°	193.4	193.6	193.8	193.9	194.1	194.2	194.3	194.4	194.5	194.8	195.3
110°	220.0	220.3	220.6	220.9	221.0	220.8	220.7	220.5	220.3	220.1	219.8





TEST NUMBER: P333020-940

CATALOG NUMBER: S124RDIW-S350D770U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	247.3	247.4	247.4	247.4	247.4	247.1	246.8	246.6	246.3	246.3	246.2
115°	288.6	288.6	288.6	288.6	288.4	288.1	287.8	287.5	287.2	287.0	287.0
117.5°	327.6	327.7	327.8	328.0	327.9	327.7	327.5	327.3	327.1	326.5	326.1
120°	354.0	354.5	355.2	355.8	355.8	355.4	355.0	354.5	354.1	353.3	352.6
122.5°	380.7	380.8	381.1	381.4	381.4	381.2	380.9	380.8	380.6	380.0	379.5
125°	420.3	420.3	420.3	420.3	420.2	420.0	419.9	419.7	419.5	419.3	419.0
127.5°	456.8	457.3	457.7	458.2	458.3	458.0	457.8	457.5	457.4	457.0	456.7
130°	482.2	482.7	483.1	483.6	483.8	483.8	483.8	483.8	483.8	483.5	483.2
132.5°	508.1	508.4	508.7	509.1	509.2	509.0	508.9	508.8	508.6	508.4	508.1
135°	542.9	543.8	544.7	545.5	546.0	546.0	546.0	546.0	546.0	545.7	545.4
137.5°	579.8	580.1	580.6	581.0	581.3	581.6	581.8	582.0	582.3	581.8	581.5
140°	604.5	604.8	605.1	605.4	605.6	605.6	605.6	605.6	605.6	605.4	605.3
142.5°	627.3	627.6	627.9	628.2	628.3	628.1	628.0	627.9	627.8	627.8	627.8
145°	659.1	659.7	660.3	660.8	661.2	661.4	661.6	661.6	661.8	661.6	661.6
147.5°	690.5	691.2	691.9	692.6	692.9	692.8	692.6	692.5	692.4	692.2	692.1
150°	709.4	710.0	710.6	711.1	711.5	711.5	711.5	711.5	711.5	711.5	711.5
152.5°	727.2	727.5	727.9	728.3	728.4	728.5	728.7	728.8	728.9	729.2	729.6
155°	754.5	754.5	754.5	754.5	754.4	754.2	754.1	753.9	753.9	754.4	755.0
157.5°	777.5	777.2	776.9	776.7	776.6	776.5	776.5	776.5	776.4	776.9	777.3
160°	791.4	791.2	791.1	790.9	790.8	790.7	790.5	790.3	790.2	790.7	791.1
162.5°	803.9	803.4	803.1	802.7	802.5	802.3	802.2	802.0	801.8	802.6	803.4
165°	820.9	820.5	820.0	819.6	819.2	818.9	818.6	818.3	818.0	818.9	819.7
167.5°	833.8	833.2	832.6	832.0	831.6	831.7	831.7	831.7	831.8	832.7	833.6
170°	841.1	840.3	839.6	838.9	838.6	838.7	838.9	839.0	839.2	840.1	841.0
172.5°	846.5	845.9	845.3	844.6	844.4	844.4	844.5	844.5	844.5	845.5	846.5
175°	853.6	852.9	852.2	851.5	851.0	850.9	850.7	850.6	850.4	851.5	852.5
177.5°	856.2	855.6	855.1	854.4	854.2	854.2	854.2	854.2	854.2	855.0	855.8
180°	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7



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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°	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°	27.8	28.4	28.7	28.9	29.1	29.2	29.4
95°	51.6	52.1	52.3	52.3	52.3	52.3	52.3
97.5°	81.1	81.7	81.9	81.9	81.9	81.9	81.9
100°	102.1	102.5	102.5	102.5	102.5	102.5	102.5
102.5°	124.8	125.1	125.4	125.6	125.6	125.7	125.9
105°	158.8	159.3	159.7	160.2	160.6	161.0	161.5
107.5°	195.6	196.1	196.3	196.3	196.3	196.2	196.2
110°	219.5	219.2	219.3	219.7	220.2	220.6	221.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	246.1	246.1	246.1	246.2	246.3	246.4	246.5
115°	286.8	286.6	286.5	286.3	286.2	286.1	285.9
117.5°	325.6	325.0	324.7	324.4	324.0	323.8	323.5
120°	351.9	351.2	350.9	351.2	351.5	351.8	352.0
122.5°	379.1	378.5	378.0	377.5	376.9	376.5	375.9
125°	418.7	418.4	418.1	417.9	417.5	417.2	417.0
127.5°	456.5	456.1	455.8	455.7	455.4	455.1	455.0
130°	482.9	482.6	482.1	481.6	481.0	480.4	479.8
132.5°	507.8	507.5	507.2	507.0	506.8	506.5	506.3
135°	545.1	544.8	544.5	544.0	543.6	543.1	542.7
137.5°	581.1	580.8	580.6	580.7	580.8	580.9	580.9
140°	605.1	604.9	604.8	604.7	604.5	604.4	604.2
142.5°	627.7	627.7	627.7	627.6	627.6	627.6	627.5
145°	661.4	661.2	660.9	660.5	660.0	659.6	659.2
147.5°	692.1	691.9	691.8	691.6	691.5	691.3	691.2
150°	711.5	711.5	711.4	711.2	711.1	711.0	710.8
152.5°	730.0	730.3	730.3	730.0	729.6	729.2	728.8
155°	755.5	756.2	756.2	755.5	755.0	754.4	753.9
157.5°	777.8	778.2	778.2	777.7	777.2	776.7	776.1
160°	791.6	792.0	791.8	791.1	790.3	789.6	788.9
162.5°	804.2	805.0	805.0	804.3	803.6	802.9	802.1
165°	820.6	821.5	821.7	821.1	820.5	819.9	819.3
167.5°	834.4	835.3	835.3	834.4	833.5	832.6	831.6
170°	841.9	842.8	842.7	841.6	840.6	839.5	838.6
172.5°	847.5	848.5	848.5	847.4	846.4	845.3	844.4
175°	853.5	854.5	854.5	853.5	852.5	851.5	850.4
177.5°	856.6	857.5	857.4	856.4	855.5	854.5	853.6
180°	855.7	855.7	855.7	855.7	855.7	855.7	855.7

(END OF REPORT)