

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: P332395-927

Luminaire Tested: **S123RDIW-S340D755U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332395-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIW-S340D755U927-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3149.5 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Indirect

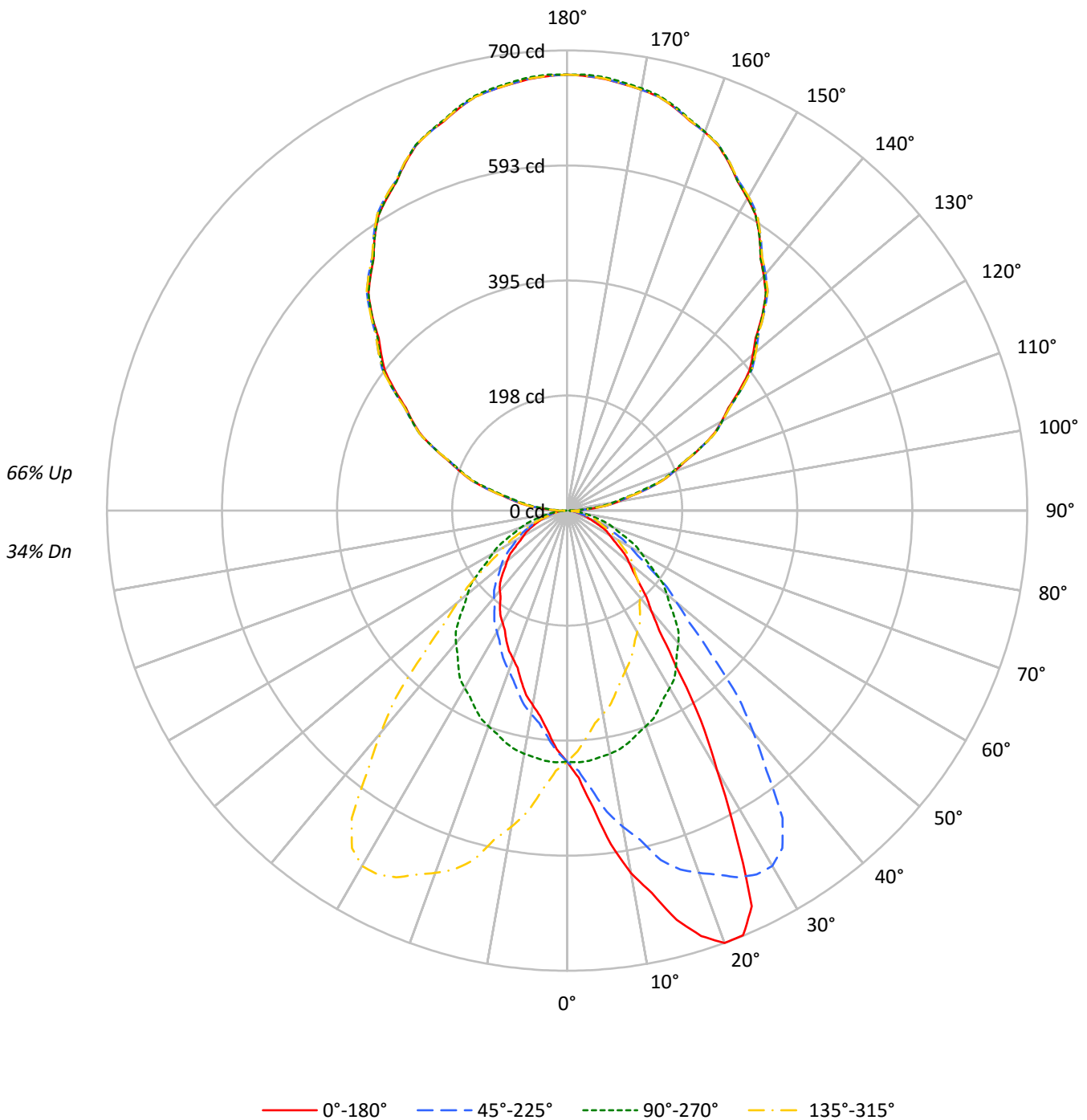
Input Watts (W): 30.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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	50	30	10	0	
RCR																						
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34				
1	95	91	87	84	85	82	79	76	66	64	62	51	50	48	37	37	36	30				
2	86	79	74	69	78	72	67	63	58	55	52	45	43	41	33	32	31	25				
3	79	70	63	58	71	64	58	53	52	47	44	40	37	35	30	28	27	22				
4	72	62	55	49	65	57	50	45	46	41	38	36	33	30	27	25	23	19				
5	67	56	48	42	60	51	44	39	41	36	33	33	29	26	24	22	20	17				
6	61	50	42	37	55	45	39	34	37	32	29	29	26	23	22	20	18	15				
7	57	45	37	32	51	41	34	30	34	29	25	27	23	21	20	18	16	13				
8	53	41	33	28	48	37	31	26	31	26	22	25	21	18	19	16	15	12				
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	17	15	13	11				
10	46	34	27	23	41	31	25	21	26	21	18	21	17	15	16	14	12	10				

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

	0°	90°	180°	270°
0°	4640	4640	4640	4640
5°	5532	4660	4105	4660
10°	6907	4634	3707	4634
15°	8107	4586	3381	4586
20°	9049	4515	3103	4515
25°	8904	4441	2932	4441
30°	6400	4373	2757	4373
35°	4273	4282	2643	4282
40°	3147	4175	2525	4175
45°	2641	3987	2411	3987
50°	2331	3739	2251	3739
55°	2044	3457	2029	3457
60°	1819	3186	1858	3186
65°	1597	2896	1729	2896
70°	1253	2637	1580	2637
75°	1102	2304	1443	2304
80°	961	1953	1420	1953
85°	778	1581	1507	1581



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.4	1.3
10°-20°	132.5	4.2
20°-30°	208.1	6.6
30°-40°	217.1	6.9
40°-50°	185.8	5.9
50°-60°	141.6	4.5
60°-70°	90.8	2.9
70°-80°	43.7	1.4
80°-90°	13.8	0.4
90°-100°	48.8	1.5
100°-110°	145.9	4.6
110°-120°	248.2	7.9
120°-130°	326.5	10.4
130°-140°	367.0	11.7
140°-150°	360.7	11.5
150°-160°	303.7	9.6
160°-170°	202.2	6.4
170°-180°	70.8	2.2
0°-30°	382.9	12.2
0°-40°	600.1	19.1
0°-60°	927.5	29.4
0°-90°	1075.7	34.2
90°-120°	442.9	14.1
90°-150°	1497.2	47.5
90°-180°	2074.0	65.9
0°-180°	3149.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	431	431	431	431	431	
5°	512	431	380	431	512	53
15°	728	412	303	412	728	206
25°	750	374	247	374	750	322
35°	325	326	201	326	325	213
45°	174	262	158	262	174	136
55°	109	184	108	184	109	98
65°	63	114	68	114	63	62
75°	26	55	35	55	26	28
85°	6	13	12	13	6	8
90°	18	1	18	1	18	9
95°	46	35	46	35	46	47
105°	140	132	140	132	140	149
115°	250	250	250	250	250	248
125°	362	366	362	366	362	323
135°	474	474	474	474	474	364
145°	576	576	576	576	576	359
155°	658	659	658	659	658	303
165°	716	718	716	718	716	202
175°	744	747	744	747	744	71
180°	748	748	748	748	748	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	459.2	459.8	457.9	457.6	455.3	454.8	454.8	451.6	449.7	447.3	445.8
5°	512.0	514.9	513.4	510.2	504.6	503.3	499.8	494.2	488.0	480.2	476.6
7.5°	577.9	581.9	580.4	575.3	569.4	564.7	554.8	545.7	532.8	521.5	511.8
10°	631.9	627.7	624.4	619.4	614.0	605.4	595.0	580.8	564.4	551.4	537.1
12.5°	672.4	671.7	667.5	662.3	654.8	646.6	633.8	616.6	597.5	578.8	562.3
15°	727.5	728.6	725.9	720.6	709.8	695.2	676.0	668.8	641.5	621.2	600.9
17.5°	765.7	765.5	765.1	757.7	746.8	736.4	718.6	699.7	674.9	646.3	619.0
20°	790.0	788.1	788.5	780.1	772.1	760.0	742.7	715.2	694.9	661.9	633.6
22.5°	789.3	788.9	790.4	787.5	781.6	772.5	758.8	735.5	709.6	676.3	644.5
25°	749.7	748.2	756.9	759.3	768.7	770.4	766.3	753.6	729.0	694.7	655.4
27.5°	627.4	626.6	642.7	662.9	688.4	708.3	727.5	736.7	729.0	704.4	665.0
30°	514.9	532.3	540.4	569.6	602.1	640.8	674.8	707.0	715.0	704.3	672.0
32.5°	427.5	442.7	449.5	474.4	504.8	550.2	601.1	646.8	679.1	687.3	667.9
35°	325.2	325.3	340.9	352.0	380.0	426.7	476.2	537.4	598.3	644.5	649.3
37.5°	259.5	260.4	269.8	280.8	301.9	326.5	370.1	421.0	491.4	562.2	603.8
40°	224.0	225.7	232.7	243.6	258.7	277.4	311.3	359.3	418.0	496.9	561.3
42.5°	201.3	204.0	207.6	216.0	225.4	242.9	270.3	307.4	360.8	435.3	509.6
45°	173.5	175.0	177.8	181.6	190.1	202.2	220.7	245.7	289.9	349.9	424.3
47.5°	153.0	152.3	155.2	158.3	164.0	172.3	184.7	204.9	236.5	284.7	347.8
50°	139.2	138.9	141.0	143.4	148.8	154.9	165.0	180.3	205.4	245.3	303.1
52.5°	126.2	126.8	128.3	131.3	135.1	140.1	149.2	160.3	181.8	216.2	264.4
55°	108.9	109.5	111.5	113.1	115.9	120.9	126.6	135.9	150.6	174.6	214.3
57.5°	94.3	94.0	95.9	96.4	99.5	103.5	108.0	115.2	125.9	143.7	170.4
60°	84.5	84.0	85.6	86.9	88.6	91.9	95.6	102.6	111.1	124.2	147.1
62.5°	75.7	75.4	76.6	78.0	79.3	82.3	85.4	90.8	97.5	108.5	126.7
65°	62.7	63.3	63.8	64.4	65.1	67.0	69.9	73.7	78.3	86.0	99.1
67.5°	49.4	49.9	50.1	51.2	52.8	53.9	55.8	59.0	62.3	68.8	76.2
70°	39.8	39.7	39.8	40.4	42.5	44.4	46.9	49.3	51.3	55.9	62.2
72.5°	34.2	33.9	34.4	34.5	35.5	36.0	37.5	39.8	42.5	45.6	50.1
75°	26.5	26.5	26.5	26.5	27.3	27.6	28.2	28.8	29.7	31.2	34.5
77.5°	19.6	19.6	20.0	20.1	20.3	20.5	20.8	21.4	21.7	22.5	23.9
80°	15.5	15.7	15.5	15.7	15.7	16.1	16.2	16.8	17.0	17.9	18.5
82.5°	11.6	11.6	11.6	11.9	11.9	12.2	12.3	12.7	12.7	13.2	13.7
85°	6.3	5.9	6.3	6.1	6.5	6.1	6.3	6.7	6.7	6.8	7.6
87.5°	5.0	5.2	4.9	5.0	4.9	5.0	4.9	4.8	5.0	4.8	4.5
90°	17.7	17.3	17.1	16.9	16.6	16.2	15.7	15.1	14.7	14.1	12.4
92.5°	23.8	23.9	24.1	24.2	24.4	24.2	23.8	23.4	23.0	22.6	21.6
95°	45.9	45.9	45.9	45.9	45.9	45.6	45.1	44.5	44.0	43.5	42.5
97.5°	70.6	70.6	70.7	70.7	70.7	70.5	69.9	69.3	68.7	68.1	67.3
100°	89.4	89.1	88.9	88.6	88.3	88.0	87.6	87.2	86.8	86.4	85.8
102.5°	108.7	108.7	108.8	108.8	108.8	108.7	108.3	107.9	107.5	107.1	106.2
105°	140.0	139.7	139.4	139.2	138.9	138.8	138.8	138.8	138.8	138.8	137.6
107.5°	172.5	172.7	172.9	173.0	173.2	173.0	172.6	172.1	171.7	171.3	170.9
110°	194.6	194.9	195.1	195.4	195.7	195.5	195.0	194.5	194.0	193.5	193.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	218.2	218.2	218.2	218.3	218.3	218.1	217.5	216.8	216.2	215.6	215.5
115°	250.5	250.6	250.7	250.9	251.0	251.0	250.9	250.7	250.6	250.5	250.7
117.5°	283.3	283.7	284.0	284.4	284.8	284.9	284.9	285.0	285.0	285.0	285.4
120°	306.3	306.6	306.9	307.1	307.4	307.6	307.7	307.8	308.0	308.1	308.8
122.5°	328.4	328.8	329.2	329.5	329.9	330.3	330.6	331.0	331.3	331.6	332.0
125°	361.6	362.1	362.7	363.2	363.7	364.2	364.7	365.3	365.8	366.3	366.5
127.5°	394.7	395.3	395.9	396.5	397.0	397.8	398.5	399.2	399.9	400.7	400.9
130°	416.3	417.2	418.1	419.1	419.9	420.6	421.2	421.8	422.2	422.8	423.2
132.5°	438.9	439.6	440.3	441.0	441.7	442.4	443.0	443.6	444.3	444.9	445.1
135°	473.9	474.2	474.4	474.7	475.0	475.4	475.9	476.4	476.9	477.4	477.6
137.5°	504.9	505.3	505.8	506.4	506.8	507.4	507.9	508.4	509.0	509.5	509.2
140°	525.1	526.0	526.9	527.8	528.7	529.3	529.4	529.5	529.7	529.8	529.7
142.5°	545.7	546.4	547.2	547.9	548.6	549.0	549.1	549.3	549.4	549.5	549.3
145°	575.7	576.2	576.7	577.2	577.7	578.1	578.2	578.3	578.5	578.6	578.2
147.5°	602.2	603.0	603.8	604.6	605.4	605.8	605.8	605.8	605.8	605.8	605.4
150°	619.2	620.0	620.8	621.5	622.3	622.7	622.7	622.7	622.7	622.7	622.4
152.5°	635.6	636.3	637.0	637.6	638.3	638.6	638.3	638.2	637.9	637.7	637.5
155°	658.0	658.9	659.8	660.7	661.6	661.8	661.3	660.8	660.3	659.7	659.6
157.5°	678.3	679.1	679.8	680.5	681.2	681.4	680.8	680.2	679.7	679.1	679.1
160°	691.5	692.0	692.5	693.1	693.6	693.5	692.8	692.2	691.6	690.9	690.9
162.5°	701.3	702.2	703.1	703.9	704.7	704.8	704.2	703.5	702.8	702.2	702.1
165°	715.6	716.5	717.4	718.4	719.2	719.3	718.5	717.7	716.9	716.1	716.1
167.5°	727.7	728.5	729.3	730.2	730.9	730.9	730.2	729.3	728.5	727.7	727.6
170°	733.8	734.7	735.6	736.6	737.4	737.4	736.6	735.6	734.7	733.8	733.8
172.5°	738.6	739.4	740.4	741.2	742.2	742.2	741.4	740.6	739.8	738.9	738.9
175°	743.8	744.7	745.6	746.6	747.5	747.5	746.7	746.0	745.2	744.4	744.4
177.5°	746.6	747.3	748.1	748.8	749.6	749.6	749.0	748.4	747.7	747.1	747.1
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	445.1	444.7	442.7	440.3	437.2	435.1	433.5	432.6	429.9	426.7	424.5
5°	472.7	467.1	461.2	454.0	447.3	440.5	436.3	431.3	425.2	418.4	413.6
7.5°	502.1	491.2	479.6	467.5	455.6	444.9	435.4	427.3	417.6	407.8	401.0
10°	524.7	508.8	492.4	475.6	460.3	445.9	434.8	424.0	412.3	401.1	392.5
12.5°	545.3	524.3	505.4	484.7	465.2	448.0	432.1	419.2	405.2	393.2	383.6
15°	571.2	549.8	527.0	495.5	469.5	447.7	428.3	411.5	394.6	379.9	370.4
17.5°	595.5	563.3	532.5	506.4	472.5	445.4	421.7	401.6	382.9	367.3	355.7
20°	605.5	574.3	541.0	507.6	474.4	443.9	416.4	394.2	374.9	357.1	346.4
22.5°	611.6	576.3	541.1	505.2	469.9	438.2	411.1	386.7	365.7	348.9	335.6
25°	618.6	576.6	537.8	502.4	466.4	432.1	399.7	373.9	351.3	333.4	319.3
27.5°	623.3	573.8	528.0	488.6	452.1	418.0	388.3	360.9	337.9	318.9	303.9
30°	624.2	571.6	520.5	477.8	440.8	409.3	378.0	351.8	327.4	307.3	293.3
32.5°	625.3	566.1	510.2	465.0	427.0	395.9	367.5	342.5	317.5	297.7	283.4
35°	620.5	563.1	494.8	442.8	404.7	374.6	349.0	325.9	301.4	282.2	267.6
37.5°	599.5	551.1	478.8	417.7	378.0	350.1	329.2	309.1	286.6	265.9	252.2
40°	578.5	539.3	466.4	402.5	361.0	332.4	313.5	297.1	275.4	256.0	241.2
42.5°	547.0	523.2	454.6	386.6	341.8	314.3	298.3	283.0	263.9	244.2	230.3
45°	489.3	492.4	430.4	361.2	315.2	287.6	272.6	261.9	244.9	228.7	214.4
47.5°	416.9	446.2	402.0	334.1	287.2	261.3	248.2	238.8	227.4	211.4	198.4
50°	369.7	411.5	379.3	316.0	269.7	243.8	230.9	223.3	213.3	200.8	188.5
52.5°	326.1	371.1	351.8	295.7	250.6	227.0	214.4	208.1	200.2	188.4	177.2
55°	265.9	311.6	307.1	265.2	222.0	200.8	191.2	184.2	178.9	170.0	161.1
57.5°	215.2	258.3	260.6	231.2	196.9	175.9	167.6	162.3	158.8	152.2	143.9
60°	183.1	222.8	230.5	208.3	178.9	160.4	152.3	148.0	145.3	139.9	133.6
62.5°	156.5	190.3	199.1	183.2	161.6	144.3	137.9	133.9	132.0	127.4	121.8
65°	119.8	147.8	156.3	147.5	136.2	122.4	117.2	113.7	112.0	109.5	105.4
67.5°	90.1	110.5	119.9	113.6	109.5	100.8	97.5	95.6	94.1	92.4	89.0
70°	72.3	87.5	97.0	95.5	92.1	87.5	85.1	83.8	82.3	80.8	77.9
72.5°	58.1	68.6	77.6	78.4	75.7	74.8	72.6	72.1	71.2	69.5	67.8
75°	38.6	45.8	52.0	54.4	55.5	56.5	55.5	55.4	55.2	53.7	52.8
77.5°	25.3	29.2	33.1	37.2	39.0	40.2	40.5	41.2	40.6	39.9	39.5
80°	19.4	20.3	23.1	26.5	29.3	30.4	31.2	31.5	31.4	31.2	30.4
82.5°	14.1	14.8	16.2	18.6	20.9	22.7	23.2	23.1	23.5	23.7	23.1
85°	7.6	7.8	8.2	8.5	9.7	11.8	12.4	12.8	13.1	13.1	12.0
87.5°	4.5	4.0	4.0	3.6	3.9	3.7	4.4	4.8	5.2	4.9	5.1
90°	10.7	9.0	7.3	5.8	4.5	3.2	1.9	0.6	1.9	3.2	4.5
92.5°	20.7	19.6	18.7	17.7	16.9	16.0	15.1	14.3	15.1	16.0	16.9
95°	41.4	40.4	39.3	38.3	37.5	36.5	35.6	34.7	35.6	36.5	37.5
97.5°	66.5	65.8	65.0	64.3	63.7	63.0	62.3	61.6	62.3	63.0	63.7
100°	85.2	84.4	83.8	83.1	82.3	81.5	80.7	79.9	80.7	81.5	82.3
102.5°	105.4	104.6	103.7	103.0	102.5	102.1	101.6	101.2	101.6	102.1	102.5
105°	136.4	135.2	134.0	133.3	133.1	132.8	132.5	132.3	132.5	132.8	133.1
107.5°	170.4	169.9	169.4	169.1	169.0	168.8	168.7	168.5	168.7	168.8	169.0
110°	192.9	192.7	192.4	192.1	191.9	191.6	191.4	191.1	191.4	191.6	191.9





TEST NUMBER: P332395-927

CATALOG NUMBER: S123RDIW-S340D755U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	215.5	215.4	215.3	215.2	215.1	214.9	214.8	214.6	214.8	214.9	215.1
115°	251.0	251.3	251.5	251.4	251.0	250.6	250.3	249.9	250.3	250.6	251.0
117.5°	285.7	286.1	286.5	286.5	286.2	285.9	285.7	285.4	285.7	285.9	286.2
120°	309.4	310.1	310.7	310.7	309.9	309.1	308.3	307.5	308.3	309.1	309.9
122.5°	332.3	332.6	333.0	332.9	332.3	331.7	331.1	330.6	331.1	331.7	332.3
125°	366.9	367.1	367.3	367.3	366.9	366.5	366.1	365.8	366.1	366.5	366.9
127.5°	401.2	401.6	401.8	401.6	400.7	399.9	399.0	398.2	399.0	399.9	400.7
130°	423.6	424.0	424.4	424.0	422.9	421.9	420.9	419.9	420.9	421.9	422.9
132.5°	445.4	445.8	446.0	445.7	444.6	443.5	442.5	441.5	442.5	443.5	444.6
135°	477.7	477.8	478.0	477.6	476.9	476.1	475.3	474.5	475.3	476.1	476.9
137.5°	508.9	508.5	508.2	507.7	507.1	506.4	505.7	505.1	505.7	506.4	507.1
140°	529.5	529.4	529.3	528.9	528.2	527.6	526.9	526.2	526.9	527.6	528.2
142.5°	549.1	548.8	548.6	548.1	547.5	546.8	546.2	545.6	546.2	546.8	547.5
145°	577.8	577.4	577.0	576.7	576.4	576.2	575.9	575.7	575.9	576.2	576.4
147.5°	605.0	604.7	604.3	603.9	603.4	602.9	602.5	602.0	602.5	602.9	603.4
150°	622.2	621.9	621.6	621.4	621.2	620.8	620.6	620.4	620.6	620.8	621.2
152.5°	637.4	637.2	637.1	636.8	636.5	636.1	635.7	635.4	635.7	636.1	636.5
155°	659.5	659.3	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2
157.5°	678.9	678.8	678.7	678.7	678.9	679.1	679.2	679.4	679.2	679.1	678.9
160°	690.9	690.9	690.9	691.0	691.3	691.6	691.8	692.1	691.8	691.6	691.3
162.5°	702.0	701.9	701.8	701.9	702.3	702.6	703.0	703.4	703.0	702.6	702.3
165°	716.1	716.1	716.1	716.4	716.8	717.2	717.6	718.0	717.6	717.2	716.8
167.5°	727.5	727.4	727.3	727.5	728.0	728.6	729.0	729.6	729.0	728.6	728.0
170°	733.8	733.8	733.8	734.0	734.6	735.1	735.6	736.2	735.6	735.1	734.6
172.5°	738.9	738.9	738.9	739.3	739.7	740.3	740.8	741.3	740.8	740.3	739.7
175°	744.4	744.4	744.4	744.7	745.2	745.7	746.2	746.7	746.2	745.7	745.2
177.5°	747.1	747.1	747.1	747.3	747.7	748.1	748.5	749.0	748.5	748.1	747.7
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5



TEST NUMBER: P332395-927

CATALOG NUMBER: S123RDIW-S340D755U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	423.7	421.8	420.5	417.6	415.7	413.6	411.5	412.8	412.6	412.6	412.6
5°	409.6	405.3	401.4	396.4	393.3	389.4	386.5	386.1	386.8	384.3	382.8
7.5°	395.5	389.7	384.1	378.7	372.8	368.1	365.3	363.8	362.0	360.4	358.8
10°	385.6	378.7	373.4	366.5	360.3	354.7	351.3	348.8	347.5	346.3	343.8
12.5°	375.3	368.7	361.9	354.1	348.2	341.7	339.1	336.4	334.0	332.5	329.2
15°	360.4	351.8	344.6	336.4	329.8	323.5	319.9	314.5	313.8	311.9	308.6
17.5°	345.5	336.1	326.1	320.1	312.7	306.1	300.5	298.7	293.4	291.4	288.5
20°	333.7	325.0	317.4	309.5	298.7	292.6	288.1	285.7	281.5	278.8	277.0
22.5°	323.5	314.7	305.9	296.7	287.7	280.8	277.6	273.9	271.6	267.9	265.9
25°	309.0	299.4	288.8	278.8	272.4	267.3	262.1	258.7	255.4	253.7	250.1
27.5°	292.1	282.0	272.2	264.6	256.7	251.6	246.9	244.0	240.0	237.2	235.1
30°	282.7	270.9	262.4	255.6	245.5	240.7	237.2	233.5	230.5	227.6	225.5
32.5°	272.0	261.2	253.2	244.7	236.9	231.6	227.1	223.9	221.3	218.6	216.5
35°	255.1	246.1	237.7	229.3	223.5	218.2	212.8	210.0	207.6	205.0	203.2
37.5°	239.8	231.3	223.4	215.4	208.3	203.9	199.6	197.5	194.2	192.5	190.7
40°	230.4	222.0	213.6	205.8	198.4	195.1	191.2	188.1	185.1	183.8	181.8
42.5°	220.0	211.7	204.5	196.2	190.1	185.6	182.0	178.6	176.4	174.5	173.4
45°	204.7	197.3	190.3	182.0	176.3	172.4	168.3	165.2	163.2	161.8	159.9
47.5°	189.8	182.4	175.3	168.1	162.6	158.1	154.0	151.9	149.2	147.6	146.2
50°	179.0	172.4	164.9	158.2	152.7	148.2	144.9	142.1	139.7	137.7	136.7
52.5°	169.1	162.1	155.5	149.3	143.5	138.5	135.5	132.5	130.7	128.4	127.3
55°	152.8	146.0	140.5	134.4	128.7	124.4	120.7	118.1	116.3	113.7	112.3
57.5°	137.5	131.3	124.8	119.5	113.6	110.0	106.9	103.5	101.2	99.2	97.7
60°	127.1	120.2	114.4	109.5	104.3	99.7	96.9	94.1	91.7	89.7	88.4
62.5°	116.4	110.3	104.8	99.4	94.7	90.6	87.5	85.2	83.0	81.8	80.4
65°	99.8	95.1	89.5	85.1	80.6	77.7	75.1	73.1	71.6	70.7	69.6
67.5°	84.6	80.0	75.2	70.8	67.8	65.6	63.9	62.2	61.4	60.2	59.5
70°	74.8	69.9	65.7	62.3	59.4	57.8	56.6	55.4	54.7	53.2	52.4
72.5°	64.0	60.5	57.4	54.7	52.4	50.9	49.4	47.8	46.7	45.0	44.3
75°	50.4	47.2	44.8	43.0	41.5	39.5	37.5	35.8	35.3	34.7	34.5
77.5°	37.3	35.3	33.6	32.0	30.2	28.8	28.3	27.9	27.8	27.5	27.5
80°	29.3	27.5	26.2	24.4	23.3	23.3	23.3	22.9	23.1	23.1	23.1
82.5°	21.8	20.1	19.4	18.8	18.5	18.7	18.7	18.8	18.6	18.9	18.8
85°	11.2	11.4	11.8	11.6	11.8	11.8	12.2	12.0	12.2	11.8	12.2
87.5°	5.3	6.0	6.5	7.1	7.5	7.7	7.9	8.1	8.3	8.4	8.5
90°	5.8	7.3	9.0	10.7	12.4	14.1	14.7	15.1	15.7	16.2	16.6
92.5°	17.7	18.7	19.6	20.7	21.6	22.6	23.0	23.4	23.8	24.2	24.4
95°	38.3	39.3	40.4	41.4	42.5	43.5	44.0	44.5	45.1	45.6	45.9
97.5°	64.3	65.0	65.8	66.5	67.3	68.1	68.7	69.3	69.9	70.5	70.7
100°	83.1	83.8	84.4	85.2	85.8	86.4	86.8	87.2	87.6	88.0	88.3
102.5°	103.0	103.7	104.6	105.4	106.2	107.1	107.5	107.9	108.3	108.7	108.8
105°	133.3	134.0	135.2	136.4	137.6	138.8	138.8	138.8	138.8	138.8	138.9
107.5°	169.1	169.4	169.9	170.4	170.9	171.3	171.7	172.1	172.6	173.0	173.2
110°	192.1	192.4	192.7	192.9	193.2	193.5	194.0	194.5	195.0	195.5	195.7



TEST NUMBER: P332395-927

CATALOG NUMBER: S123RDIW-S340D755U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	215.2	215.3	215.4	215.5	215.5	215.6	216.2	216.8	217.5	218.1	218.3
115°	251.4	251.5	251.3	251.0	250.7	250.5	250.6	250.7	250.9	251.0	251.0
117.5°	286.5	286.5	286.1	285.7	285.4	285.0	285.0	285.0	284.9	284.9	284.8
120°	310.7	310.7	310.1	309.4	308.8	308.1	308.0	307.8	307.7	307.6	307.4
122.5°	332.9	333.0	332.6	332.3	332.0	331.6	331.3	331.0	330.6	330.3	329.9
125°	367.3	367.3	367.1	366.9	366.5	366.3	365.8	365.3	364.7	364.2	363.7
127.5°	401.6	401.8	401.6	401.2	400.9	400.7	399.9	399.2	398.5	397.8	397.0
130°	424.0	424.4	424.0	423.6	423.2	422.8	422.2	421.8	421.2	420.6	419.9
132.5°	445.7	446.0	445.8	445.4	445.1	444.9	444.3	443.6	443.0	442.4	441.7
135°	477.6	478.0	477.8	477.7	477.6	477.4	476.9	476.4	475.9	475.4	475.0
137.5°	507.7	508.2	508.5	508.9	509.2	509.5	509.0	508.4	507.9	507.4	506.8
140°	528.9	529.3	529.4	529.5	529.7	529.8	529.7	529.5	529.4	529.3	528.7
142.5°	548.1	548.6	548.8	549.1	549.3	549.5	549.4	549.3	549.1	549.0	548.6
145°	576.7	577.0	577.4	577.8	578.2	578.6	578.5	578.3	578.2	578.1	577.7
147.5°	603.9	604.3	604.7	605.0	605.4	605.8	605.8	605.8	605.8	605.8	605.4
150°	621.4	621.6	621.9	622.2	622.4	622.7	622.7	622.7	622.7	622.7	622.3
152.5°	636.8	637.1	637.2	637.4	637.5	637.7	637.9	638.2	638.3	638.6	638.3
155°	659.2	659.2	659.3	659.5	659.6	659.7	660.3	660.8	661.3	661.8	661.6
157.5°	678.7	678.7	678.8	678.9	679.1	679.1	679.7	680.2	680.8	681.4	681.2
160°	691.0	690.9	690.9	690.9	690.9	690.9	691.6	692.2	692.8	693.5	693.6
162.5°	701.9	701.8	701.9	702.0	702.1	702.2	702.8	703.5	704.2	704.8	704.7
165°	716.4	716.1	716.1	716.1	716.1	716.1	716.9	717.7	718.5	719.3	719.2
167.5°	727.5	727.3	727.4	727.5	727.6	727.7	728.5	729.3	730.2	730.9	730.9
170°	734.0	733.8	733.8	733.8	733.8	733.8	734.7	735.6	736.6	737.4	737.4
172.5°	739.3	738.9	738.9	738.9	738.9	738.9	739.8	740.6	741.4	742.2	742.2
175°	744.7	744.4	744.4	744.4	744.4	744.4	745.2	746.0	746.7	747.5	747.5
177.5°	747.3	747.1	747.1	747.1	747.1	747.1	747.7	748.4	749.0	749.6	749.6
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5



TEST NUMBER: P332395-927

CATALOG NUMBER: S123RDIW-S340D755U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	410.7	410.6	410.7	410.2	410.7	410.6	410.7	412.6	412.6	412.6	412.8
5°	382.2	382.1	381.5	379.9	381.5	382.1	382.2	382.8	384.3	386.8	386.1
7.5°	357.3	357.0	355.5	355.5	355.5	357.0	357.3	358.8	360.4	362.0	363.8
10°	342.5	342.7	340.5	339.2	340.5	342.7	342.5	343.8	346.3	347.5	348.8
12.5°	328.2	327.4	325.6	324.2	325.6	327.4	328.2	329.2	332.5	334.0	336.4
15°	309.3	307.4	303.1	303.4	303.1	307.4	309.3	308.6	311.9	313.8	314.5
17.5°	287.1	285.7	285.7	283.0	285.7	285.7	287.1	288.5	291.4	293.4	298.7
20°	274.1	273.1	273.5	270.9	273.5	273.1	274.1	277.0	278.8	281.5	285.7
22.5°	263.9	262.9	261.4	260.6	261.4	262.9	263.9	265.9	267.9	271.6	273.9
25°	249.0	247.5	246.1	246.9	246.1	247.5	249.0	250.1	253.7	255.4	258.7
27.5°	234.1	233.0	231.5	231.3	231.5	233.0	234.1	235.1	237.2	240.0	244.0
30°	224.6	223.5	222.8	221.8	222.8	223.5	224.6	225.5	227.6	230.5	233.5
32.5°	215.0	214.8	213.5	213.3	213.5	214.8	215.0	216.5	218.6	221.3	223.9
35°	202.5	201.4	201.0	201.1	201.0	201.4	202.5	203.2	205.0	207.6	210.0
37.5°	190.5	189.1	188.4	187.7	188.4	189.1	190.5	190.7	192.5	194.2	197.5
40°	182.0	180.5	180.1	179.7	180.1	180.5	182.0	181.8	183.8	185.1	188.1
42.5°	172.4	171.8	171.6	170.9	171.6	171.8	172.4	173.4	174.5	176.4	178.6
45°	159.3	159.1	158.0	158.4	158.0	159.1	159.3	159.9	161.8	163.2	165.2
47.5°	145.4	144.7	143.9	144.4	143.9	144.7	145.4	146.2	147.6	149.2	151.9
50°	136.0	135.6	134.0	134.4	134.0	135.6	136.0	136.7	137.7	139.7	142.1
52.5°	126.6	125.2	124.5	124.3	124.5	125.2	126.6	127.3	128.4	130.7	132.5
55°	110.9	109.2	108.5	108.1	108.5	109.2	110.9	112.3	113.7	116.3	118.1
57.5°	95.5	95.1	94.5	94.9	94.5	95.1	95.5	97.7	99.2	101.2	103.5
60°	86.6	86.6	86.6	86.3	86.6	86.6	86.6	88.4	89.7	91.7	94.1
62.5°	79.6	79.1	79.1	79.3	79.1	79.1	79.6	80.4	81.8	83.0	85.2
65°	69.0	68.8	68.1	67.9	68.1	68.8	69.0	69.6	70.7	71.6	73.1
67.5°	59.0	58.4	58.1	57.9	58.1	58.4	59.0	59.5	60.2	61.4	62.2
70°	51.5	51.1	50.0	50.2	50.0	51.1	51.5	52.4	53.2	54.7	55.4
72.5°	43.4	43.0	42.8	42.5	42.8	43.0	43.4	44.3	45.0	46.7	47.8
75°	34.3	34.1	34.0	34.7	34.0	34.1	34.3	34.5	34.7	35.3	35.8
77.5°	27.5	27.5	27.6	27.3	27.6	27.5	27.5	27.5	27.5	27.8	27.9
80°	23.1	23.1	22.9	22.9	22.9	23.1	23.1	23.1	23.1	23.1	22.9
82.5°	18.5	18.6	18.8	18.5	18.8	18.6	18.5	18.8	18.9	18.6	18.8
85°	12.2	12.0	12.4	12.2	12.4	12.0	12.2	12.2	11.8	12.2	12.0
87.5°	8.9	8.6	8.6	8.9	8.6	8.6	8.9	8.5	8.4	8.3	8.1
90°	16.9	17.1	17.3	17.7	17.3	17.1	16.9	16.6	16.2	15.7	15.1
92.5°	24.2	24.1	23.9	23.8	23.9	24.1	24.2	24.4	24.2	23.8	23.4
95°	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.6	45.1	44.5
97.5°	70.7	70.7	70.6	70.6	70.6	70.7	70.7	70.7	70.5	69.9	69.3
100°	88.6	88.9	89.1	89.4	89.1	88.9	88.6	88.3	88.0	87.6	87.2
102.5°	108.8	108.8	108.7	108.7	108.7	108.8	108.8	108.8	108.7	108.3	107.9
105°	139.2	139.4	139.7	140.0	139.7	139.4	139.2	138.9	138.8	138.8	138.8
107.5°	173.0	172.9	172.7	172.5	172.7	172.9	173.0	173.2	173.0	172.6	172.1
110°	195.4	195.1	194.9	194.6	194.9	195.1	195.4	195.7	195.5	195.0	194.5



TEST NUMBER: P332395-927

CATALOG NUMBER: S123RDIW-S340D755U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	218.3	218.2	218.2	218.2	218.2	218.2	218.3	218.3	218.1	217.5	216.8
115°	250.9	250.7	250.6	250.5	250.6	250.7	250.9	251.0	251.0	250.9	250.7
117.5°	284.4	284.0	283.7	283.3	283.7	284.0	284.4	284.8	284.9	284.9	285.0
120°	307.1	306.9	306.6	306.3	306.6	306.9	307.1	307.4	307.6	307.7	307.8
122.5°	329.5	329.2	328.8	328.4	328.8	329.2	329.5	329.9	330.3	330.6	331.0
125°	363.2	362.7	362.1	361.6	362.1	362.7	363.2	363.7	364.2	364.7	365.3
127.5°	396.5	395.9	395.3	394.7	395.3	395.9	396.5	397.0	397.8	398.5	399.2
130°	419.1	418.1	417.2	416.3	417.2	418.1	419.1	419.9	420.6	421.2	421.8
132.5°	441.0	440.3	439.6	438.9	439.6	440.3	441.0	441.7	442.4	443.0	443.6
135°	474.7	474.4	474.2	473.9	474.2	474.4	474.7	475.0	475.4	475.9	476.4
137.5°	506.4	505.8	505.3	504.9	505.3	505.8	506.4	506.8	507.4	507.9	508.4
140°	527.8	526.9	526.0	525.1	526.0	526.9	527.8	528.7	529.3	529.4	529.5
142.5°	547.9	547.2	546.4	545.7	546.4	547.2	547.9	548.6	549.0	549.1	549.3
145°	577.2	576.7	576.2	575.7	576.2	576.7	577.2	577.7	578.1	578.2	578.3
147.5°	604.6	603.8	603.0	602.2	603.0	603.8	604.6	605.4	605.8	605.8	605.8
150°	621.5	620.8	620.0	619.2	620.0	620.8	621.5	622.3	622.7	622.7	622.7
152.5°	637.6	637.0	636.3	635.6	636.3	637.0	637.6	638.3	638.6	638.3	638.2
155°	660.7	659.8	658.9	658.0	658.9	659.8	660.7	661.6	661.8	661.3	660.8
157.5°	680.5	679.8	679.1	678.3	679.1	679.8	680.5	681.2	681.4	680.8	680.2
160°	693.1	692.5	692.0	691.5	692.0	692.5	693.1	693.6	693.5	692.8	692.2
162.5°	703.9	703.1	702.2	701.3	702.2	703.1	703.9	704.7	704.8	704.2	703.5
165°	718.4	717.4	716.5	715.6	716.5	717.4	718.4	719.2	719.3	718.5	717.7
167.5°	730.2	729.3	728.5	727.7	728.5	729.3	730.2	730.9	730.9	730.2	729.3
170°	736.6	735.6	734.7	733.8	734.7	735.6	736.6	737.4	737.4	736.6	735.6
172.5°	741.2	740.4	739.4	738.6	739.4	740.4	741.2	742.2	742.2	741.4	740.6
175°	746.6	745.6	744.7	743.8	744.7	745.6	746.6	747.5	747.5	746.7	746.0
177.5°	748.8	748.1	747.3	746.6	747.3	748.1	748.8	749.6	749.6	749.0	748.4
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5



TEST NUMBER: P332395-927

CATALOG NUMBER: S123RDIW-S340D755U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	411.5	413.6	415.7	417.6	420.5	421.8	423.7	424.5	426.7	429.9	432.6
5°	386.5	389.4	393.3	396.4	401.4	405.3	409.6	413.6	418.4	425.2	431.3
7.5°	365.3	368.1	372.8	378.7	384.1	389.7	395.5	401.0	407.8	417.6	427.3
10°	351.3	354.7	360.3	366.5	373.4	378.7	385.6	392.5	401.1	412.3	424.0
12.5°	339.1	341.7	348.2	354.1	361.9	368.7	375.3	383.6	393.2	405.2	419.2
15°	319.9	323.5	329.8	336.4	344.6	351.8	360.4	370.4	379.9	394.6	411.5
17.5°	300.5	306.1	312.7	320.1	326.1	336.1	345.5	355.7	367.3	382.9	401.6
20°	288.1	292.6	298.7	309.5	317.4	325.0	333.7	346.4	357.1	374.9	394.2
22.5°	277.6	280.8	287.7	296.7	305.9	314.7	323.5	335.6	348.9	365.7	386.7
25°	262.1	267.3	272.4	278.8	288.8	299.4	309.0	319.3	333.4	351.3	373.9
27.5°	246.9	251.6	256.7	264.6	272.2	282.0	292.1	303.9	318.9	337.9	360.9
30°	237.2	240.7	245.5	255.6	262.4	270.9	282.7	293.3	307.3	327.4	351.8
32.5°	227.1	231.6	236.9	244.7	253.2	261.2	272.0	283.4	297.7	317.5	342.5
35°	212.8	218.2	223.5	229.3	237.7	246.1	255.1	267.6	282.2	301.4	325.9
37.5°	199.6	203.9	208.3	215.4	223.4	231.3	239.8	252.2	265.9	286.6	309.1
40°	191.2	195.1	198.4	205.8	213.6	222.0	230.4	241.2	256.0	275.4	297.1
42.5°	182.0	185.6	190.1	196.2	204.5	211.7	220.0	230.3	244.2	263.9	283.0
45°	168.3	172.4	176.3	182.0	190.3	197.3	204.7	214.4	228.7	244.9	261.9
47.5°	154.0	158.1	162.6	168.1	175.3	182.4	189.8	198.4	211.4	227.4	238.8
50°	144.9	148.2	152.7	158.2	164.9	172.4	179.0	188.5	200.8	213.3	223.3
52.5°	135.5	138.5	143.5	149.3	155.5	162.1	169.1	177.2	188.4	200.2	208.1
55°	120.7	124.4	128.7	134.4	140.5	146.0	152.8	161.1	170.0	178.9	184.2
57.5°	106.9	110.0	113.6	119.5	124.8	131.3	137.5	143.9	152.2	158.8	162.3
60°	96.9	99.7	104.3	109.5	114.4	120.2	127.1	133.6	139.9	145.3	148.0
62.5°	87.5	90.6	94.7	99.4	104.8	110.3	116.4	121.8	127.4	132.0	133.9
65°	75.1	77.7	80.6	85.1	89.5	95.1	99.8	105.4	109.5	112.0	113.7
67.5°	63.9	65.6	67.8	70.8	75.2	80.0	84.6	89.0	92.4	94.1	95.6
70°	56.6	57.8	59.4	62.3	65.7	69.9	74.8	77.9	80.8	82.3	83.8
72.5°	49.4	50.9	52.4	54.7	57.4	60.5	64.0	67.8	69.5	71.2	72.1
75°	37.5	39.5	41.5	43.0	44.8	47.2	50.4	52.8	53.7	55.2	55.4
77.5°	28.3	28.8	30.2	32.0	33.6	35.3	37.3	39.5	39.9	40.6	41.2
80°	23.3	23.3	23.3	24.4	26.2	27.5	29.3	30.4	31.2	31.4	31.5
82.5°	18.7	18.7	18.5	18.8	19.4	20.1	21.8	23.1	23.7	23.5	23.1
85°	12.2	11.8	11.8	11.6	11.8	11.4	11.2	12.0	13.1	13.1	12.8
87.5°	7.9	7.7	7.5	7.1	6.5	6.0	5.3	5.1	4.9	5.2	4.8
90°	14.7	14.1	12.4	10.7	9.0	7.3	5.8	4.5	3.2	1.9	0.6
92.5°	23.0	22.6	21.6	20.7	19.6	18.7	17.7	16.9	16.0	15.1	14.3
95°	44.0	43.5	42.5	41.4	40.4	39.3	38.3	37.5	36.5	35.6	34.7
97.5°	68.7	68.1	67.3	66.5	65.8	65.0	64.3	63.7	63.0	62.3	61.6
100°	86.8	86.4	85.8	85.2	84.4	83.8	83.1	82.3	81.5	80.7	79.9
102.5°	107.5	107.1	106.2	105.4	104.6	103.7	103.0	102.5	102.1	101.6	101.2
105°	138.8	138.8	137.6	136.4	135.2	134.0	133.3	133.1	132.8	132.5	132.3
107.5°	171.7	171.3	170.9	170.4	169.9	169.4	169.1	169.0	168.8	168.7	168.5
110°	194.0	193.5	193.2	192.9	192.7	192.4	192.1	191.9	191.6	191.4	191.1



TEST NUMBER: P332395-927

CATALOG NUMBER: S123RDIW-S340D755U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	216.2	215.6	215.5	215.5	215.4	215.3	215.2	215.1	214.9	214.8	214.6
115°	250.6	250.5	250.7	251.0	251.3	251.5	251.4	251.0	250.6	250.3	249.9
117.5°	285.0	285.0	285.4	285.7	286.1	286.5	286.5	286.2	285.9	285.7	285.4
120°	308.0	308.1	308.8	309.4	310.1	310.7	310.7	309.9	309.1	308.3	307.5
122.5°	331.3	331.6	332.0	332.3	332.6	333.0	332.9	332.3	331.7	331.1	330.6
125°	365.8	366.3	366.5	366.9	367.1	367.3	367.3	366.9	366.5	366.1	365.8
127.5°	399.9	400.7	400.9	401.2	401.6	401.8	401.6	400.7	399.9	399.0	398.2
130°	422.2	422.8	423.2	423.6	424.0	424.4	424.0	422.9	421.9	420.9	419.9
132.5°	444.3	444.9	445.1	445.4	445.8	446.0	445.7	444.6	443.5	442.5	441.5
135°	476.9	477.4	477.6	477.7	477.8	478.0	477.6	476.9	476.1	475.3	474.5
137.5°	509.0	509.5	509.2	508.9	508.5	508.2	507.7	507.1	506.4	505.7	505.1
140°	529.7	529.8	529.7	529.5	529.4	529.3	528.9	528.2	527.6	526.9	526.2
142.5°	549.4	549.5	549.3	549.1	548.8	548.6	548.1	547.5	546.8	546.2	545.6
145°	578.5	578.6	578.2	577.8	577.4	577.0	576.7	576.4	576.2	575.9	575.7
147.5°	605.8	605.8	605.4	605.0	604.7	604.3	603.9	603.4	602.9	602.5	602.0
150°	622.7	622.7	622.4	622.2	621.9	621.6	621.4	621.2	620.8	620.6	620.4
152.5°	637.9	637.7	637.5	637.4	637.2	637.1	636.8	636.5	636.1	635.7	635.4
155°	660.3	659.7	659.6	659.5	659.3	659.2	659.2	659.2	659.2	659.2	659.2
157.5°	679.7	679.1	679.1	678.9	678.8	678.7	678.7	678.9	679.1	679.2	679.4
160°	691.6	690.9	690.9	690.9	690.9	690.9	691.0	691.3	691.6	691.8	692.1
162.5°	702.8	702.2	702.1	702.0	701.9	701.8	701.9	702.3	702.6	703.0	703.4
165°	716.9	716.1	716.1	716.1	716.1	716.1	716.4	716.8	717.2	717.6	718.0
167.5°	728.5	727.7	727.6	727.5	727.4	727.3	727.5	728.0	728.6	729.0	729.6
170°	734.7	733.8	733.8	733.8	733.8	733.8	734.0	734.6	735.1	735.6	736.2
172.5°	739.8	738.9	738.9	738.9	738.9	738.9	739.3	739.7	740.3	740.8	741.3
175°	745.2	744.4	744.4	744.4	744.4	744.4	744.7	745.2	745.7	746.2	746.7
177.5°	747.7	747.1	747.1	747.1	747.1	747.1	747.3	747.7	748.1	748.5	749.0
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5



TEST NUMBER: P332395-927

CATALOG NUMBER: S123RDIW-S340D755U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	433.5	435.1	437.2	440.3	442.7	444.7	445.1	445.8	447.3	449.7	451.6
5°	436.3	440.5	447.3	454.0	461.2	467.1	472.7	476.6	480.2	488.0	494.2
7.5°	435.4	444.9	455.6	467.5	479.6	491.2	502.1	511.8	521.5	532.8	545.7
10°	434.8	445.9	460.3	475.6	492.4	508.8	524.7	537.1	551.4	564.4	580.8
12.5°	432.1	448.0	465.2	484.7	505.4	524.3	545.3	562.3	578.8	597.5	616.6
15°	428.3	447.7	469.5	495.5	527.0	549.8	571.2	600.9	621.2	641.5	668.8
17.5°	421.7	445.4	472.5	506.4	532.5	563.3	595.5	619.0	646.3	674.9	699.7
20°	416.4	443.9	474.4	507.6	541.0	574.3	605.5	633.6	661.9	694.9	715.2
22.5°	411.1	438.2	469.9	505.2	541.1	576.3	611.6	644.5	676.3	709.6	735.5
25°	399.7	432.1	466.4	502.4	537.8	576.6	618.6	655.4	694.7	729.0	753.6
27.5°	388.3	418.0	452.1	488.6	528.0	573.8	623.3	665.0	704.4	729.0	736.7
30°	378.0	409.3	440.8	477.8	520.5	571.6	624.2	672.0	704.3	715.0	707.0
32.5°	367.5	395.9	427.0	465.0	510.2	566.1	625.3	667.9	687.3	679.1	646.8
35°	349.0	374.6	404.7	442.8	494.8	563.1	620.5	649.3	644.5	598.3	537.4
37.5°	329.2	350.1	378.0	417.7	478.8	551.1	599.5	603.8	562.2	491.4	421.0
40°	313.5	332.4	361.0	402.5	466.4	539.3	578.5	561.3	496.9	418.0	359.3
42.5°	298.3	314.3	341.8	386.6	454.6	523.2	547.0	509.6	435.3	360.8	307.4
45°	272.6	287.6	315.2	361.2	430.4	492.4	489.3	424.3	349.9	289.9	245.7
47.5°	248.2	261.3	287.2	334.1	402.0	446.2	416.9	347.8	284.7	236.5	204.9
50°	230.9	243.8	269.7	316.0	379.3	411.5	369.7	303.1	245.3	205.4	180.3
52.5°	214.4	227.0	250.6	295.7	351.8	371.1	326.1	264.4	216.2	181.8	160.3
55°	191.2	200.8	222.0	265.2	307.1	311.6	265.9	214.3	174.6	150.6	135.9
57.5°	167.6	175.9	196.9	231.2	260.6	258.3	215.2	170.4	143.7	125.9	115.2
60°	152.3	160.4	178.9	208.3	230.5	222.8	183.1	147.1	124.2	111.1	102.6
62.5°	137.9	144.3	161.6	183.2	199.1	190.3	156.5	126.7	108.5	97.5	90.8
65°	117.2	122.4	136.2	147.5	156.3	147.8	119.8	99.1	86.0	78.3	73.7
67.5°	97.5	100.8	109.5	113.6	119.9	110.5	90.1	76.2	68.8	62.3	59.0
70°	85.1	87.5	92.1	95.5	97.0	87.5	72.3	62.2	55.9	51.3	49.3
72.5°	72.6	74.8	75.7	78.4	77.6	68.6	58.1	50.1	45.6	42.5	39.8
75°	55.5	56.5	55.5	54.4	52.0	45.8	38.6	34.5	31.2	29.7	28.8
77.5°	40.5	40.2	39.0	37.2	33.1	29.2	25.3	23.9	22.5	21.7	21.4
80°	31.2	30.4	29.3	26.5	23.1	20.3	19.4	18.5	17.9	17.0	16.8
82.5°	23.2	22.7	20.9	18.6	16.2	14.8	14.1	13.7	13.2	12.7	12.7
85°	12.4	11.8	9.7	8.5	8.2	7.8	7.6	7.6	6.8	6.7	6.7
87.5°	4.4	3.7	3.9	3.6	4.0	4.0	4.5	4.5	4.8	5.0	4.8
90°	1.9	3.2	4.5	5.8	7.3	9.0	10.7	12.4	14.1	14.7	15.1
92.5°	15.1	16.0	16.9	17.7	18.7	19.6	20.7	21.6	22.6	23.0	23.4
95°	35.6	36.5	37.5	38.3	39.3	40.4	41.4	42.5	43.5	44.0	44.5
97.5°	62.3	63.0	63.7	64.3	65.0	65.8	66.5	67.3	68.1	68.7	69.3
100°	80.7	81.5	82.3	83.1	83.8	84.4	85.2	85.8	86.4	86.8	87.2
102.5°	101.6	102.1	102.5	103.0	103.7	104.6	105.4	106.2	107.1	107.5	107.9
105°	132.5	132.8	133.1	133.3	134.0	135.2	136.4	137.6	138.8	138.8	138.8
107.5°	168.7	168.8	169.0	169.1	169.4	169.9	170.4	170.9	171.3	171.7	172.1
110°	191.4	191.6	191.9	192.1	192.4	192.7	192.9	193.2	193.5	194.0	194.5





TEST NUMBER: P332395-927

CATALOG NUMBER: S123RDIW-S340D755U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	214.8	214.9	215.1	215.2	215.3	215.4	215.5	215.5	215.6	216.2	216.8
115°	250.3	250.6	251.0	251.4	251.5	251.3	251.0	250.7	250.5	250.6	250.7
117.5°	285.7	285.9	286.2	286.5	286.5	286.1	285.7	285.4	285.0	285.0	285.0
120°	308.3	309.1	309.9	310.7	310.7	310.1	309.4	308.8	308.1	308.0	307.8
122.5°	331.1	331.7	332.3	332.9	333.0	332.6	332.3	332.0	331.6	331.3	331.0
125°	366.1	366.5	366.9	367.3	367.3	367.1	366.9	366.5	366.3	365.8	365.3
127.5°	399.0	399.9	400.7	401.6	401.8	401.6	401.2	400.9	400.7	399.9	399.2
130°	420.9	421.9	422.9	424.0	424.4	424.0	423.6	423.2	422.8	422.2	421.8
132.5°	442.5	443.5	444.6	445.7	446.0	445.8	445.4	445.1	444.9	444.3	443.6
135°	475.3	476.1	476.9	477.6	478.0	477.8	477.7	477.6	477.4	476.9	476.4
137.5°	505.7	506.4	507.1	507.7	508.2	508.5	508.9	509.2	509.5	509.0	508.4
140°	526.9	527.6	528.2	528.9	529.3	529.4	529.5	529.7	529.8	529.7	529.5
142.5°	546.2	546.8	547.5	548.1	548.6	548.8	549.1	549.3	549.5	549.4	549.3
145°	575.9	576.2	576.4	576.7	577.0	577.4	577.8	578.2	578.6	578.5	578.3
147.5°	602.5	602.9	603.4	603.9	604.3	604.7	605.0	605.4	605.8	605.8	605.8
150°	620.6	620.8	621.2	621.4	621.6	621.9	622.2	622.4	622.7	622.7	622.7
152.5°	635.7	636.1	636.5	636.8	637.1	637.2	637.4	637.5	637.7	637.9	638.2
155°	659.2	659.2	659.2	659.2	659.2	659.3	659.5	659.6	659.7	660.3	660.8
157.5°	679.2	679.1	678.9	678.7	678.7	678.8	678.9	679.1	679.1	679.7	680.2
160°	691.8	691.6	691.3	691.0	690.9	690.9	690.9	690.9	690.9	691.6	692.2
162.5°	703.0	702.6	702.3	701.9	701.8	701.9	702.0	702.1	702.2	702.8	703.5
165°	717.6	717.2	716.8	716.4	716.1	716.1	716.1	716.1	716.1	716.9	717.7
167.5°	729.0	728.6	728.0	727.5	727.3	727.4	727.5	727.6	727.7	728.5	729.3
170°	735.6	735.1	734.6	734.0	733.8	733.8	733.8	733.8	733.8	734.7	735.6
172.5°	740.8	740.3	739.7	739.3	738.9	738.9	738.9	738.9	738.9	739.8	740.6
175°	746.2	745.7	745.2	744.7	744.4	744.4	744.4	744.4	744.4	745.2	746.0
177.5°	748.5	748.1	747.7	747.3	747.1	747.1	747.1	747.1	747.1	747.7	748.4
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	454.8	454.8	455.3	457.6	457.9	459.8	459.2
5°	499.8	503.3	504.6	510.2	513.4	514.9	512.0
7.5°	554.8	564.7	569.4	575.3	580.4	581.9	577.9
10°	595.0	605.4	614.0	619.4	624.4	627.7	631.9
12.5°	633.8	646.6	654.8	662.3	667.5	671.7	672.4
15°	676.0	695.2	709.8	720.6	725.9	728.6	727.5
17.5°	718.6	736.4	746.8	757.7	765.1	765.5	765.7
20°	742.7	760.0	772.1	780.1	788.5	788.1	790.0
22.5°	758.8	772.5	781.6	787.5	790.4	788.9	789.3
25°	766.3	770.4	768.7	759.3	756.9	748.2	749.7
27.5°	727.5	708.3	688.4	662.9	642.7	626.6	627.4
30°	674.8	640.8	602.1	569.6	540.4	532.3	514.9
32.5°	601.1	550.2	504.8	474.4	449.5	442.7	427.5
35°	476.2	426.7	380.0	352.0	340.9	325.3	325.2
37.5°	370.1	326.5	301.9	280.8	269.8	260.4	259.5
40°	311.3	277.4	258.7	243.6	232.7	225.7	224.0
42.5°	270.3	242.9	225.4	216.0	207.6	204.0	201.3
45°	220.7	202.2	190.1	181.6	177.8	175.0	173.5
47.5°	184.7	172.3	164.0	158.3	155.2	152.3	153.0
50°	165.0	154.9	148.8	143.4	141.0	138.9	139.2
52.5°	149.2	140.1	135.1	131.3	128.3	126.8	126.2
55°	126.6	120.9	115.9	113.1	111.5	109.5	108.9
57.5°	108.0	103.5	99.5	96.4	95.9	94.0	94.3
60°	95.6	91.9	88.6	86.9	85.6	84.0	84.5
62.5°	85.4	82.3	79.3	78.0	76.6	75.4	75.7
65°	69.9	67.0	65.1	64.4	63.8	63.3	62.7
67.5°	55.8	53.9	52.8	51.2	50.1	49.9	49.4
70°	46.9	44.4	42.5	40.4	39.8	39.7	39.8
72.5°	37.5	36.0	35.5	34.5	34.4	33.9	34.2
75°	28.2	27.6	27.3	26.5	26.5	26.5	26.5
77.5°	20.8	20.5	20.3	20.1	20.0	19.6	19.6
80°	16.2	16.1	15.7	15.7	15.5	15.7	15.5
82.5°	12.3	12.2	11.9	11.9	11.6	11.6	11.6
85°	6.3	6.1	6.5	6.1	6.3	5.9	6.3
87.5°	4.9	5.0	4.9	5.0	4.9	5.2	5.0
90°	15.7	16.2	16.6	16.9	17.1	17.3	17.7
92.5°	23.8	24.2	24.4	24.2	24.1	23.9	23.8
95°	45.1	45.6	45.9	45.9	45.9	45.9	45.9
97.5°	69.9	70.5	70.7	70.7	70.7	70.6	70.6
100°	87.6	88.0	88.3	88.6	88.9	89.1	89.4
102.5°	108.3	108.7	108.8	108.8	108.8	108.7	108.7
105°	138.8	138.8	138.9	139.2	139.4	139.7	140.0
107.5°	172.6	173.0	173.2	173.0	172.9	172.7	172.5
110°	195.0	195.5	195.7	195.4	195.1	194.9	194.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	217.5	218.1	218.3	218.3	218.2	218.2	218.2
115°	250.9	251.0	251.0	250.9	250.7	250.6	250.5
117.5°	284.9	284.9	284.8	284.4	284.0	283.7	283.3
120°	307.7	307.6	307.4	307.1	306.9	306.6	306.3
122.5°	330.6	330.3	329.9	329.5	329.2	328.8	328.4
125°	364.7	364.2	363.7	363.2	362.7	362.1	361.6
127.5°	398.5	397.8	397.0	396.5	395.9	395.3	394.7
130°	421.2	420.6	419.9	419.1	418.1	417.2	416.3
132.5°	443.0	442.4	441.7	441.0	440.3	439.6	438.9
135°	475.9	475.4	475.0	474.7	474.4	474.2	473.9
137.5°	507.9	507.4	506.8	506.4	505.8	505.3	504.9
140°	529.4	529.3	528.7	527.8	526.9	526.0	525.1
142.5°	549.1	549.0	548.6	547.9	547.2	546.4	545.7
145°	578.2	578.1	577.7	577.2	576.7	576.2	575.7
147.5°	605.8	605.8	605.4	604.6	603.8	603.0	602.2
150°	622.7	622.7	622.3	621.5	620.8	620.0	619.2
152.5°	638.3	638.6	638.3	637.6	637.0	636.3	635.6
155°	661.3	661.8	661.6	660.7	659.8	658.9	658.0
157.5°	680.8	681.4	681.2	680.5	679.8	679.1	678.3
160°	692.8	693.5	693.6	693.1	692.5	692.0	691.5
162.5°	704.2	704.8	704.7	703.9	703.1	702.2	701.3
165°	718.5	719.3	719.2	718.4	717.4	716.5	715.6
167.5°	730.2	730.9	730.9	730.2	729.3	728.5	727.7
170°	736.6	737.4	737.4	736.6	735.6	734.7	733.8
172.5°	741.4	742.2	742.2	741.2	740.4	739.4	738.6
175°	746.7	747.5	747.5	746.6	745.6	744.7	743.8
177.5°	749.0	749.6	749.6	748.8	748.1	747.3	746.6
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5

(END OF REPORT)