

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: P332394-927

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332394-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,  
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-A  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 755 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3468.4 lumens  
Efficiency: N/A  
Efficacy: 114.1 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

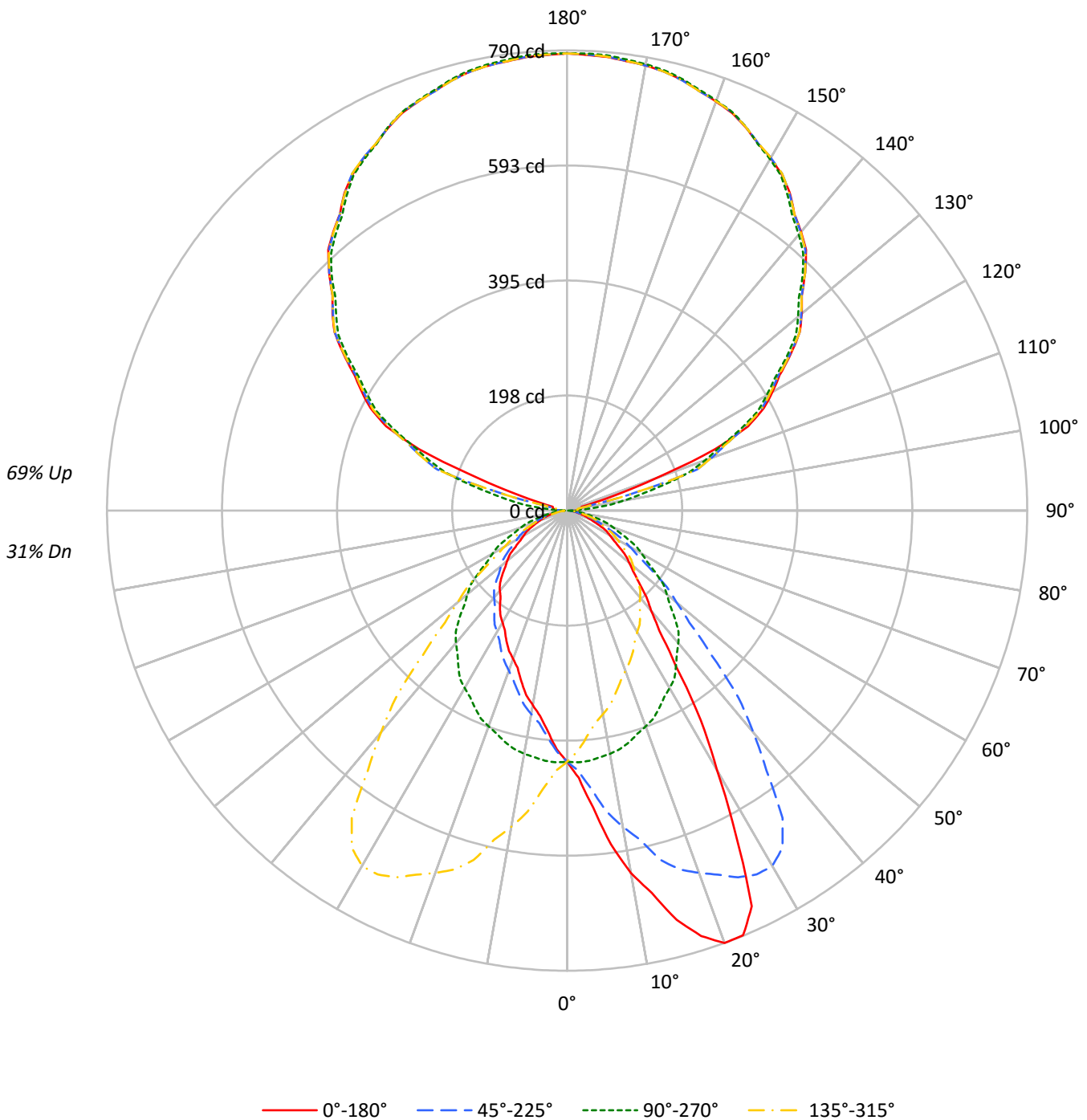
Input Watts (W): 30.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	90	86	83	84	81	78	75	64	62	60	49	48	46	35	34	33	27
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29	23
3	78	70	63	57	70	63	57	52	50	46	43	39	36	34	28	26	25	20
4	72	62	54	49	64	56	49	45	45	40	37	35	31	29	25	23	22	17
5	66	55	47	42	59	50	43	38	40	35	32	31	28	25	23	21	19	15
6	61	49	42	36	54	45	38	33	36	31	28	28	25	22	21	18	17	14
7	56	44	37	32	50	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	23	20	18	17	15	14	11
9	48	37	30	25	44	34	27	23	27	23	19	22	18	16	16	14	12	10
10	45	34	27	22	41	31	25	21	25	21	17	20	17	14	15	13	11	9

**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	1.2
10°-20°	132.5	3.8
20°-30°	208.1	6.0
30°-40°	217.1	6.3
40°-50°	185.8	5.4
50°-60°	141.6	4.1
60°-70°	90.8	2.6
70°-80°	43.7	1.3
80°-90°	13.8	0.4
90°-100°	28.5	0.8
100°-110°	136.0	3.9
110°-120°	326.6	9.4
120°-130°	415.9	12.0
130°-140°	444.3	12.8
140°-150°	415.5	12.0
150°-160°	335.2	9.7
160°-170°	216.3	6.2
170°-180°	74.5	2.1
0°-30°	382.9	11.0
0°-40°	600.1	17.3
0°-60°	927.5	26.7
0°-90°	1075.7	31.0
90°-120°	491.1	14.2
90°-150°	1766.8	50.9
90°-180°	2393.0	69.0
0°-180°	3468.4	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	8
95°	22	36	22	36	22	19
105°	26	174	26	174	26	59
115°	343	326	343	326	343	317
125°	469	459	469	459	469	419
135°	578	572	578	572	578	445
145°	666	660	666	660	666	416
155°	726	727	726	727	726	335
165°	765	767	765	767	765	216
175°	782	785	782	785	782	74
180°	785	785	785	785	785	



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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	4.8	5.0	4.9	5.0	4.9	4.8	5.0	4.8	4.5
90°	17.5	17.2	17.0	16.7	16.5	16.1	15.5	15.1	14.5	14.0	12.3
92.5°	19.3	19.2	19.0	18.9	18.7	18.2	17.4	16.6	15.8	14.9	13.6
95°	22.2	22.2	22.2	22.2	22.2	21.7	20.8	19.9	19.0	18.1	16.6
97.5°	24.0	23.9	23.8	23.6	23.5	22.9	21.9	20.8	19.8	18.8	28.1
100°	24.5	24.3	24.2	24.1	24.0	23.4	22.3	21.3	20.3	19.3	39.5
102.5°	25.0	24.7	24.5	24.2	24.0	25.5	28.8	31.9	35.2	38.3	60.4
105°	25.7	25.4	25.1	24.9	24.6	36.0	58.9	81.8	104.7	127.7	139.3
107.5°	80.6	97.8	115.1	132.4	149.7	166.8	183.5	200.3	217.1	234.0	232.2
110°	160.3	178.8	197.3	215.9	234.4	245.8	250.1	254.4	258.6	262.9	261.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	275.0	278.9	282.9	286.8	290.7	292.6	292.6	292.5	292.4	292.3	290.9
115°	342.8	342.2	341.7	341.2	340.7	339.8	338.5	337.2	335.9	334.6	333.4
117.5°	380.8	380.6	380.6	380.5	380.3	379.8	378.7	377.7	376.7	375.7	375.0
120°	406.9	406.9	406.9	406.9	406.9	406.4	405.4	404.3	403.3	402.2	401.9
122.5°	432.5	432.5	432.3	432.2	432.1	431.7	430.9	430.2	429.5	428.8	428.3
125°	468.7	468.4	468.2	467.9	467.6	467.4	467.1	466.8	466.6	466.4	465.8
127.5°	503.4	503.7	503.9	504.2	504.5	504.4	504.0	503.6	503.1	502.7	502.1
130°	525.8	526.1	526.3	526.6	526.9	526.7	526.2	525.7	525.1	524.7	524.1
132.5°	546.3	546.7	547.1	547.4	547.8	547.7	547.2	546.7	546.1	545.7	545.2
135°	577.7	578.1	578.5	578.8	579.2	579.2	578.8	578.5	578.1	577.7	577.2
137.5°	607.2	607.4	607.7	608.0	608.2	608.1	607.4	606.8	606.2	605.5	605.3
140°	624.9	625.2	625.4	625.7	626.0	625.8	625.3	624.8	624.2	623.8	623.4
142.5°	641.2	641.6	642.0	642.3	642.7	642.6	642.2	641.8	641.4	641.0	640.6
145°	666.3	666.3	666.3	666.3	666.3	666.1	665.9	665.7	665.4	665.1	664.9
147.5°	684.9	685.6	686.1	686.7	687.3	687.5	687.2	687.0	686.7	686.4	686.2
150°	698.9	699.3	699.7	700.1	700.5	700.5	700.3	700.1	699.8	699.5	699.3
152.5°	710.1	710.7	711.3	711.9	712.5	712.6	712.1	711.6	711.1	710.7	710.6
155°	725.7	726.5	727.3	728.1	728.9	729.0	728.3	727.6	727.0	726.4	726.2
157.5°	738.9	740.0	740.9	742.0	743.0	743.1	742.3	741.6	740.8	740.0	740.1
160°	747.3	748.2	749.2	750.0	751.0	751.0	750.3	749.5	748.7	747.9	748.1
162.5°	755.3	756.1	756.9	757.6	758.4	758.4	757.6	756.7	755.8	754.9	755.0
165°	764.8	765.7	766.6	767.5	768.4	768.3	767.3	766.3	765.2	764.2	764.4
167.5°	771.7	772.7	773.7	774.8	775.9	775.9	774.8	773.7	772.7	771.7	771.7
170°	775.9	776.9	777.9	779.0	780.1	780.1	779.0	777.9	776.9	775.9	775.9
172.5°	778.2	779.3	780.5	781.6	782.8	782.8	781.8	780.8	779.7	778.7	778.6
175°	781.7	782.8	783.8	784.8	785.8	785.9	785.1	784.1	783.2	782.3	782.2
177.5°	782.8	783.8	784.8	785.8	786.9	787.0	786.2	785.4	784.5	783.7	783.6
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



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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°	10.6	9.0	7.3	5.8	4.4	3.2	1.9	0.6	1.9	3.2	4.4
92.5°	12.4	11.1	9.8	9.4	9.7	10.1	10.5	10.9	10.5	10.1	9.7
95°	15.2	13.8	12.4	14.3	19.6	25.0	30.3	35.6	30.3	25.0	19.6
97.5°	37.4	46.7	56.1	61.9	64.3	66.7	69.1	71.5	69.1	66.7	64.3
100°	59.7	79.9	100.1	108.8	106.3	103.7	101.1	98.5	101.1	103.7	106.3
102.5°	82.5	104.6	126.7	136.7	134.9	133.0	131.2	129.3	131.2	133.0	134.9
105°	151.0	162.6	174.3	179.4	178.0	176.6	175.2	173.7	175.2	176.6	178.0
107.5°	230.3	228.5	226.6	225.1	224.0	222.8	221.7	220.5	221.7	222.8	224.0
110°	260.1	258.6	257.2	256.0	254.9	253.9	252.9	251.8	252.9	253.9	254.9





TEST NUMBER: P332394-927

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

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	289.5	288.0	286.6	285.4	284.5	283.5	282.6	281.7	282.6	283.5	284.5
115°	332.2	331.1	329.9	329.0	328.2	327.4	326.6	325.8	326.6	327.4	328.2
117.5°	374.5	373.8	373.3	372.5	371.5	370.6	369.6	368.7	369.6	370.6	371.5
120°	401.5	401.1	400.7	399.9	398.7	397.6	396.4	395.2	396.4	397.6	398.7
122.5°	427.9	427.3	426.8	426.1	425.2	424.2	423.3	422.3	423.3	424.2	425.2
125°	465.3	464.8	464.3	463.5	462.5	461.4	460.4	459.4	460.4	461.4	462.5
127.5°	501.5	500.9	500.3	499.4	498.4	497.3	496.3	495.3	496.3	497.3	498.4
130°	523.6	523.1	522.6	521.8	520.8	519.8	518.7	517.6	518.7	519.8	520.8
132.5°	544.8	544.4	544.0	543.3	542.2	541.1	540.1	539.1	540.1	541.1	542.2
135°	576.6	576.2	575.6	575.0	574.2	573.4	572.7	571.9	572.7	573.4	574.2
137.5°	605.0	604.7	604.4	603.8	602.8	601.8	600.8	599.8	600.8	601.8	602.8
140°	623.0	622.6	622.2	621.6	620.8	620.0	619.2	618.5	619.2	620.0	620.8
142.5°	640.2	639.8	639.4	638.9	638.1	637.3	636.5	635.7	636.5	637.3	638.1
145°	664.6	664.3	664.1	663.5	662.6	661.7	660.8	659.9	660.8	661.7	662.6
147.5°	686.0	685.7	685.4	685.0	684.4	683.8	683.2	682.6	683.2	683.8	684.4
150°	699.0	698.8	698.5	698.2	697.8	697.4	697.0	696.6	697.0	697.4	697.8
152.5°	710.4	710.3	710.1	710.0	709.7	709.6	709.4	709.2	709.4	709.6	709.7
155°	726.1	726.0	725.8	725.9	726.1	726.4	726.7	726.9	726.7	726.4	726.1
157.5°	740.2	740.4	740.5	740.6	740.6	740.6	740.7	740.7	740.7	740.6	740.6
160°	748.1	748.3	748.5	748.5	748.7	748.8	748.9	749.1	748.9	748.8	748.7
162.5°	755.2	755.3	755.4	755.7	756.0	756.3	756.7	757.0	756.7	756.3	756.0
165°	764.5	764.6	764.8	765.0	765.4	765.8	766.2	766.6	766.2	765.8	765.4
167.5°	771.7	771.7	771.7	772.0	772.5	773.0	773.5	774.0	773.5	773.0	772.5
170°	775.9	775.9	775.9	776.2	776.7	777.2	777.7	778.2	777.7	777.2	776.7
172.5°	778.5	778.4	778.2	778.6	779.2	779.7	780.4	781.0	780.4	779.7	779.2
175°	782.0	781.9	781.8	782.0	782.7	783.3	783.9	784.7	783.9	783.3	782.7
177.5°	783.5	783.4	783.3	783.5	784.0	784.5	785.1	785.5	785.1	784.5	784.0
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332394-927

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

**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	7.0	7.4	7.7	7.9	8.0	8.2	8.4	8.5
90°	5.8	7.3	9.0	10.6	12.3	14.0	14.5	15.1	15.5	16.1	16.5
92.5°	9.4	9.8	11.1	12.4	13.6	14.9	15.8	16.6	17.4	18.2	18.7
95°	14.3	12.4	13.8	15.2	16.6	18.1	19.0	19.9	20.8	21.7	22.2
97.5°	61.9	56.1	46.7	37.4	28.1	18.8	19.8	20.8	21.9	22.9	23.5
100°	108.8	100.1	79.9	59.7	39.5	19.3	20.3	21.3	22.3	23.4	24.0
102.5°	136.7	126.7	104.6	82.5	60.4	38.3	35.2	31.9	28.8	25.5	24.0
105°	179.4	174.3	162.6	151.0	139.3	127.7	104.7	81.8	58.9	36.0	24.6
107.5°	225.1	226.6	228.5	230.3	232.2	234.0	217.1	200.3	183.5	166.8	149.7
110°	256.0	257.2	258.6	260.1	261.5	262.9	258.6	254.4	250.1	245.8	234.4



TEST NUMBER: P332394-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	285.4	286.6	288.0	289.5	290.9	292.3	292.4	292.5	292.6	292.6	290.7
115°	329.0	329.9	331.1	332.2	333.4	334.6	335.9	337.2	338.5	339.8	340.7
117.5°	372.5	373.3	373.8	374.5	375.0	375.7	376.7	377.7	378.7	379.8	380.3
120°	399.9	400.7	401.1	401.5	401.9	402.2	403.3	404.3	405.4	406.4	406.9
122.5°	426.1	426.8	427.3	427.9	428.3	428.8	429.5	430.2	430.9	431.7	432.1
125°	463.5	464.3	464.8	465.3	465.8	466.4	466.6	466.8	467.1	467.4	467.6
127.5°	499.4	500.3	500.9	501.5	502.1	502.7	503.1	503.6	504.0	504.4	504.5
130°	521.8	522.6	523.1	523.6	524.1	524.7	525.1	525.7	526.2	526.7	526.9
132.5°	543.3	544.0	544.4	544.8	545.2	545.7	546.1	546.7	547.2	547.7	547.8
135°	575.0	575.6	576.2	576.6	577.2	577.7	578.1	578.5	578.8	579.2	579.2
137.5°	603.8	604.4	604.7	605.0	605.3	605.5	606.2	606.8	607.4	608.1	608.2
140°	621.6	622.2	622.6	623.0	623.4	623.8	624.2	624.8	625.3	625.8	626.0
142.5°	638.9	639.4	639.8	640.2	640.6	641.0	641.4	641.8	642.2	642.6	642.7
145°	663.5	664.1	664.3	664.6	664.9	665.1	665.4	665.7	665.9	666.1	666.3
147.5°	685.0	685.4	685.7	686.0	686.2	686.4	686.7	687.0	687.2	687.5	687.3
150°	698.2	698.5	698.8	699.0	699.3	699.5	699.8	700.1	700.3	700.5	700.5
152.5°	710.0	710.1	710.3	710.4	710.6	710.7	711.1	711.6	712.1	712.6	712.5
155°	725.9	725.8	726.0	726.1	726.2	726.4	727.0	727.6	728.3	729.0	728.9
157.5°	740.6	740.5	740.4	740.2	740.1	740.0	740.8	741.6	742.3	743.1	743.0
160°	748.5	748.5	748.3	748.1	748.1	747.9	748.7	749.5	750.3	751.0	751.0
162.5°	755.7	755.4	755.3	755.2	755.0	754.9	755.8	756.7	757.6	758.4	758.4
165°	765.0	764.8	764.6	764.5	764.4	764.2	765.2	766.3	767.3	768.3	768.4
167.5°	772.0	771.7	771.7	771.7	771.7	771.7	772.7	773.7	774.8	775.9	775.9
170°	776.2	775.9	775.9	775.9	775.9	775.9	776.9	777.9	779.0	780.1	780.1
172.5°	778.6	778.2	778.4	778.5	778.6	778.7	779.7	780.8	781.8	782.8	782.8
175°	782.0	781.8	781.9	782.0	782.2	782.3	783.2	784.1	785.1	785.9	785.8
177.5°	783.5	783.3	783.4	783.5	783.6	783.7	784.5	785.4	786.2	787.0	786.9
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332394-927

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

**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°	8.8	8.6	8.6	8.8	8.6	8.6	8.8	8.5	8.4	8.2	8.0
90°	16.7	17.0	17.2	17.5	17.2	17.0	16.7	16.5	16.1	15.5	15.1
92.5°	18.9	19.0	19.2	19.3	19.2	19.0	18.9	18.7	18.2	17.4	16.6
95°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	21.7	20.8	19.9
97.5°	23.6	23.8	23.9	24.0	23.9	23.8	23.6	23.5	22.9	21.9	20.8
100°	24.1	24.2	24.3	24.5	24.3	24.2	24.1	24.0	23.4	22.3	21.3
102.5°	24.2	24.5	24.7	25.0	24.7	24.5	24.2	24.0	25.5	28.8	31.9
105°	24.9	25.1	25.4	25.7	25.4	25.1	24.9	24.6	36.0	58.9	81.8
107.5°	132.4	115.1	97.8	80.6	97.8	115.1	132.4	149.7	166.8	183.5	200.3
110°	215.9	197.3	178.8	160.3	178.8	197.3	215.9	234.4	245.8	250.1	254.4



TEST NUMBER: P332394-927

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

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	286.8	282.9	278.9	275.0	278.9	282.9	286.8	290.7	292.6	292.6	292.5
115°	341.2	341.7	342.2	342.8	342.2	341.7	341.2	340.7	339.8	338.5	337.2
117.5°	380.5	380.6	380.6	380.8	380.6	380.6	380.5	380.3	379.8	378.7	377.7
120°	406.9	406.9	406.9	406.9	406.9	406.9	406.9	406.9	406.4	405.4	404.3
122.5°	432.2	432.3	432.5	432.5	432.5	432.3	432.2	432.1	431.7	430.9	430.2
125°	467.9	468.2	468.4	468.7	468.4	468.2	467.9	467.6	467.4	467.1	466.8
127.5°	504.2	503.9	503.7	503.4	503.7	503.9	504.2	504.5	504.4	504.0	503.6
130°	526.6	526.3	526.1	525.8	526.1	526.3	526.6	526.9	526.7	526.2	525.7
132.5°	547.4	547.1	546.7	546.3	546.7	547.1	547.4	547.8	547.7	547.2	546.7
135°	578.8	578.5	578.1	577.7	578.1	578.5	578.8	579.2	579.2	578.8	578.5
137.5°	608.0	607.7	607.4	607.2	607.4	607.7	608.0	608.2	608.1	607.4	606.8
140°	625.7	625.4	625.2	624.9	625.2	625.4	625.7	626.0	625.8	625.3	624.8
142.5°	642.3	642.0	641.6	641.2	641.6	642.0	642.3	642.7	642.6	642.2	641.8
145°	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.1	665.9	665.7
147.5°	686.7	686.1	685.6	684.9	685.6	686.1	686.7	687.3	687.5	687.2	687.0
150°	700.1	699.7	699.3	698.9	699.3	699.7	700.1	700.5	700.5	700.3	700.1
152.5°	711.9	711.3	710.7	710.1	710.7	711.3	711.9	712.5	712.6	712.1	711.6
155°	728.1	727.3	726.5	725.7	726.5	727.3	728.1	728.9	729.0	728.3	727.6
157.5°	742.0	740.9	740.0	738.9	740.0	740.9	742.0	743.0	743.1	742.3	741.6
160°	750.0	749.2	748.2	747.3	748.2	749.2	750.0	751.0	751.0	750.3	749.5
162.5°	757.6	756.9	756.1	755.3	756.1	756.9	757.6	758.4	758.4	757.6	756.7
165°	767.5	766.6	765.7	764.8	765.7	766.6	767.5	768.4	768.3	767.3	766.3
167.5°	774.8	773.7	772.7	771.7	772.7	773.7	774.8	775.9	775.9	774.8	773.7
170°	779.0	777.9	776.9	775.9	776.9	777.9	779.0	780.1	780.1	779.0	777.9
172.5°	781.6	780.5	779.3	778.2	779.3	780.5	781.6	782.8	782.8	781.8	780.8
175°	784.8	783.8	782.8	781.7	782.8	783.8	784.8	785.8	785.9	785.1	784.1
177.5°	785.8	784.8	783.8	782.8	783.8	784.8	785.8	786.9	787.0	786.2	785.4
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332394-927

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

**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	7.4	7.0	6.5	6.0	5.3	5.1	4.9	5.2	4.8
90°	14.5	14.0	12.3	10.6	9.0	7.3	5.8	4.4	3.2	1.9	0.6
92.5°	15.8	14.9	13.6	12.4	11.1	9.8	9.4	9.7	10.1	10.5	10.9
95°	19.0	18.1	16.6	15.2	13.8	12.4	14.3	19.6	25.0	30.3	35.6
97.5°	19.8	18.8	28.1	37.4	46.7	56.1	61.9	64.3	66.7	69.1	71.5
100°	20.3	19.3	39.5	59.7	79.9	100.1	108.8	106.3	103.7	101.1	98.5
102.5°	35.2	38.3	60.4	82.5	104.6	126.7	136.7	134.9	133.0	131.2	129.3
105°	104.7	127.7	139.3	151.0	162.6	174.3	179.4	178.0	176.6	175.2	173.7
107.5°	217.1	234.0	232.2	230.3	228.5	226.6	225.1	224.0	222.8	221.7	220.5
110°	258.6	262.9	261.5	260.1	258.6	257.2	256.0	254.9	253.9	252.9	251.8



TEST NUMBER: P332394-927

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

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	292.4	292.3	290.9	289.5	288.0	286.6	285.4	284.5	283.5	282.6	281.7
115°	335.9	334.6	333.4	332.2	331.1	329.9	329.0	328.2	327.4	326.6	325.8
117.5°	376.7	375.7	375.0	374.5	373.8	373.3	372.5	371.5	370.6	369.6	368.7
120°	403.3	402.2	401.9	401.5	401.1	400.7	399.9	398.7	397.6	396.4	395.2
122.5°	429.5	428.8	428.3	427.9	427.3	426.8	426.1	425.2	424.2	423.3	422.3
125°	466.6	466.4	465.8	465.3	464.8	464.3	463.5	462.5	461.4	460.4	459.4
127.5°	503.1	502.7	502.1	501.5	500.9	500.3	499.4	498.4	497.3	496.3	495.3
130°	525.1	524.7	524.1	523.6	523.1	522.6	521.8	520.8	519.8	518.7	517.6
132.5°	546.1	545.7	545.2	544.8	544.4	544.0	543.3	542.2	541.1	540.1	539.1
135°	578.1	577.7	577.2	576.6	576.2	575.6	575.0	574.2	573.4	572.7	571.9
137.5°	606.2	605.5	605.3	605.0	604.7	604.4	603.8	602.8	601.8	600.8	599.8
140°	624.2	623.8	623.4	623.0	622.6	622.2	621.6	620.8	620.0	619.2	618.5
142.5°	641.4	641.0	640.6	640.2	639.8	639.4	638.9	638.1	637.3	636.5	635.7
145°	665.4	665.1	664.9	664.6	664.3	664.1	663.5	662.6	661.7	660.8	659.9
147.5°	686.7	686.4	686.2	686.0	685.7	685.4	685.0	684.4	683.8	683.2	682.6
150°	699.8	699.5	699.3	699.0	698.8	698.5	698.2	697.8	697.4	697.0	696.6
152.5°	711.1	710.7	710.6	710.4	710.3	710.1	710.0	709.7	709.6	709.4	709.2
155°	727.0	726.4	726.2	726.1	726.0	725.8	725.9	726.1	726.4	726.7	726.9
157.5°	740.8	740.0	740.1	740.2	740.4	740.5	740.6	740.6	740.6	740.7	740.7
160°	748.7	747.9	748.1	748.1	748.3	748.5	748.5	748.7	748.8	748.9	749.1
162.5°	755.8	754.9	755.0	755.2	755.3	755.4	755.7	756.0	756.3	756.7	757.0
165°	765.2	764.2	764.4	764.5	764.6	764.8	765.0	765.4	765.8	766.2	766.6
167.5°	772.7	771.7	771.7	771.7	771.7	771.7	772.0	772.5	773.0	773.5	774.0
170°	776.9	775.9	775.9	775.9	775.9	775.9	776.2	776.7	777.2	777.7	778.2
172.5°	779.7	778.7	778.6	778.5	778.4	778.2	778.6	779.2	779.7	780.4	781.0
175°	783.2	782.3	782.2	782.0	781.9	781.8	782.0	782.7	783.3	783.9	784.7
177.5°	784.5	783.7	783.6	783.5	783.4	783.3	783.5	784.0	784.5	785.1	785.5
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332394-927

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

**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	4.4	5.8	7.3	9.0	10.6	12.3	14.0	14.5	15.1
92.5°	10.5	10.1	9.7	9.4	9.8	11.1	12.4	13.6	14.9	15.8	16.6
95°	30.3	25.0	19.6	14.3	12.4	13.8	15.2	16.6	18.1	19.0	19.9
97.5°	69.1	66.7	64.3	61.9	56.1	46.7	37.4	28.1	18.8	19.8	20.8
100°	101.1	103.7	106.3	108.8	100.1	79.9	59.7	39.5	19.3	20.3	21.3
102.5°	131.2	133.0	134.9	136.7	126.7	104.6	82.5	60.4	38.3	35.2	31.9
105°	175.2	176.6	178.0	179.4	174.3	162.6	151.0	139.3	127.7	104.7	81.8
107.5°	221.7	222.8	224.0	225.1	226.6	228.5	230.3	232.2	234.0	217.1	200.3
110°	252.9	253.9	254.9	256.0	257.2	258.6	260.1	261.5	262.9	258.6	254.4





TEST NUMBER: P332394-927

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

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	282.6	283.5	284.5	285.4	286.6	288.0	289.5	290.9	292.3	292.4	292.5
115°	326.6	327.4	328.2	329.0	329.9	331.1	332.2	333.4	334.6	335.9	337.2
117.5°	369.6	370.6	371.5	372.5	373.3	373.8	374.5	375.0	375.7	376.7	377.7
120°	396.4	397.6	398.7	399.9	400.7	401.1	401.5	401.9	402.2	403.3	404.3
122.5°	423.3	424.2	425.2	426.1	426.8	427.3	427.9	428.3	428.8	429.5	430.2
125°	460.4	461.4	462.5	463.5	464.3	464.8	465.3	465.8	466.4	466.6	466.8
127.5°	496.3	497.3	498.4	499.4	500.3	500.9	501.5	502.1	502.7	503.1	503.6
130°	518.7	519.8	520.8	521.8	522.6	523.1	523.6	524.1	524.7	525.1	525.7
132.5°	540.1	541.1	542.2	543.3	544.0	544.4	544.8	545.2	545.7	546.1	546.7
135°	572.7	573.4	574.2	575.0	575.6	576.2	576.6	577.2	577.7	578.1	578.5
137.5°	600.8	601.8	602.8	603.8	604.4	604.7	605.0	605.3	605.5	606.2	606.8
140°	619.2	620.0	620.8	621.6	622.2	622.6	623.0	623.4	623.8	624.2	624.8
142.5°	636.5	637.3	638.1	638.9	639.4	639.8	640.2	640.6	641.0	641.4	641.8
145°	660.8	661.7	662.6	663.5	664.1	664.3	664.6	664.9	665.1	665.4	665.7
147.5°	683.2	683.8	684.4	685.0	685.4	685.7	686.0	686.2	686.4	686.7	687.0
150°	697.0	697.4	697.8	698.2	698.5	698.8	699.0	699.3	699.5	699.8	700.1
152.5°	709.4	709.6	709.7	710.0	710.1	710.3	710.4	710.6	710.7	711.1	711.6
155°	726.7	726.4	726.1	725.9	725.8	726.0	726.1	726.2	726.4	727.0	727.6
157.5°	740.7	740.6	740.6	740.6	740.5	740.4	740.2	740.1	740.0	740.8	741.6
160°	748.9	748.8	748.7	748.5	748.5	748.3	748.1	748.1	747.9	748.7	749.5
162.5°	756.7	756.3	756.0	755.7	755.4	755.3	755.2	755.0	754.9	755.8	756.7
165°	766.2	765.8	765.4	765.0	764.8	764.6	764.5	764.4	764.2	765.2	766.3
167.5°	773.5	773.0	772.5	772.0	771.7	771.7	771.7	771.7	771.7	772.7	773.7
170°	777.7	777.2	776.7	776.2	775.9	775.9	775.9	775.9	775.9	776.9	777.9
172.5°	780.4	779.7	779.2	778.6	778.2	778.4	778.5	778.6	778.7	779.7	780.8
175°	783.9	783.3	782.7	782.0	781.8	781.9	782.0	782.2	782.3	783.2	784.1
177.5°	785.1	784.5	784.0	783.5	783.3	783.4	783.5	783.6	783.7	784.5	785.4
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



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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	4.8	5.2	5.0
90°	15.5	16.1	16.5	16.7	17.0	17.2	17.5
92.5°	17.4	18.2	18.7	18.9	19.0	19.2	19.3
95°	20.8	21.7	22.2	22.2	22.2	22.2	22.2
97.5°	21.9	22.9	23.5	23.6	23.8	23.9	24.0
100°	22.3	23.4	24.0	24.1	24.2	24.3	24.5
102.5°	28.8	25.5	24.0	24.2	24.5	24.7	25.0
105°	58.9	36.0	24.6	24.9	25.1	25.4	25.7
107.5°	183.5	166.8	149.7	132.4	115.1	97.8	80.6
110°	250.1	245.8	234.4	215.9	197.3	178.8	160.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	292.6	292.6	290.7	286.8	282.9	278.9	275.0
115°	338.5	339.8	340.7	341.2	341.7	342.2	342.8
117.5°	378.7	379.8	380.3	380.5	380.6	380.6	380.8
120°	405.4	406.4	406.9	406.9	406.9	406.9	406.9
122.5°	430.9	431.7	432.1	432.2	432.3	432.5	432.5
125°	467.1	467.4	467.6	467.9	468.2	468.4	468.7
127.5°	504.0	504.4	504.5	504.2	503.9	503.7	503.4
130°	526.2	526.7	526.9	526.6	526.3	526.1	525.8
132.5°	547.2	547.7	547.8	547.4	547.1	546.7	546.3
135°	578.8	579.2	579.2	578.8	578.5	578.1	577.7
137.5°	607.4	608.1	608.2	608.0	607.7	607.4	607.2
140°	625.3	625.8	626.0	625.7	625.4	625.2	624.9
142.5°	642.2	642.6	642.7	642.3	642.0	641.6	641.2
145°	665.9	666.1	666.3	666.3	666.3	666.3	666.3
147.5°	687.2	687.5	687.3	686.7	686.1	685.6	684.9
150°	700.3	700.5	700.5	700.1	699.7	699.3	698.9
152.5°	712.1	712.6	712.5	711.9	711.3	710.7	710.1
155°	728.3	729.0	728.9	728.1	727.3	726.5	725.7
157.5°	742.3	743.1	743.0	742.0	740.9	740.0	738.9
160°	750.3	751.0	751.0	750.0	749.2	748.2	747.3
162.5°	757.6	758.4	758.4	757.6	756.9	756.1	755.3
165°	767.3	768.3	768.4	767.5	766.6	765.7	764.8
167.5°	774.8	775.9	775.9	774.8	773.7	772.7	771.7
170°	779.0	780.1	780.1	779.0	777.9	776.9	775.9
172.5°	781.8	782.8	782.8	781.6	780.5	779.3	778.2
175°	785.1	785.9	785.8	784.8	783.8	782.8	781.7
177.5°	786.2	787.0	786.9	785.8	784.8	783.8	782.8
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7

(END OF REPORT)