

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: McGRAW-EDISON

Report Number: P271596

Luminaire Tested: **ISS-AF-800-LED-E1-SLR-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-800-LED-E1-SLR-7027-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT, WITH
UPLIGHT GLOW
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4944.9 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G1

Input Watts (W): 60.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

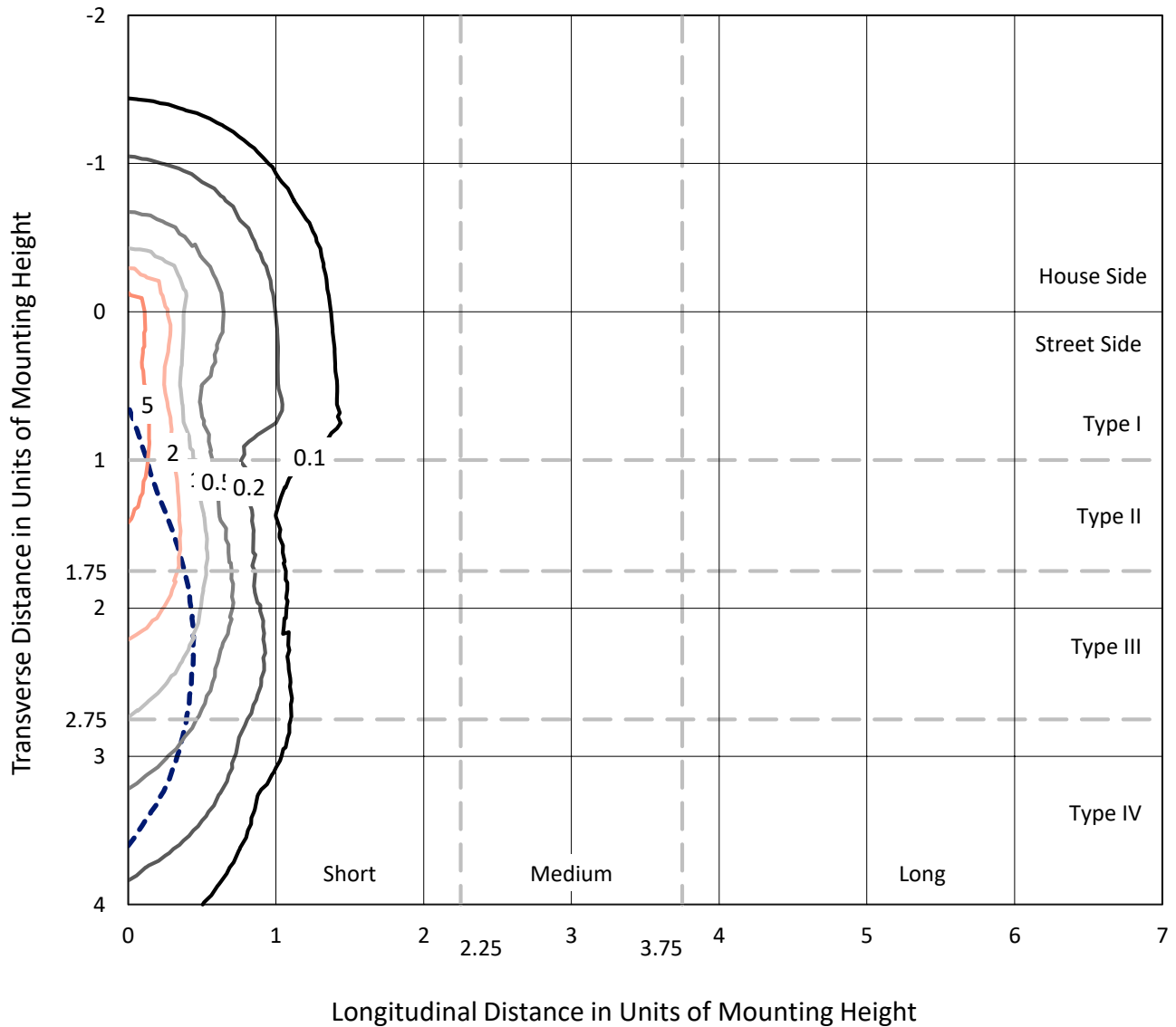


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

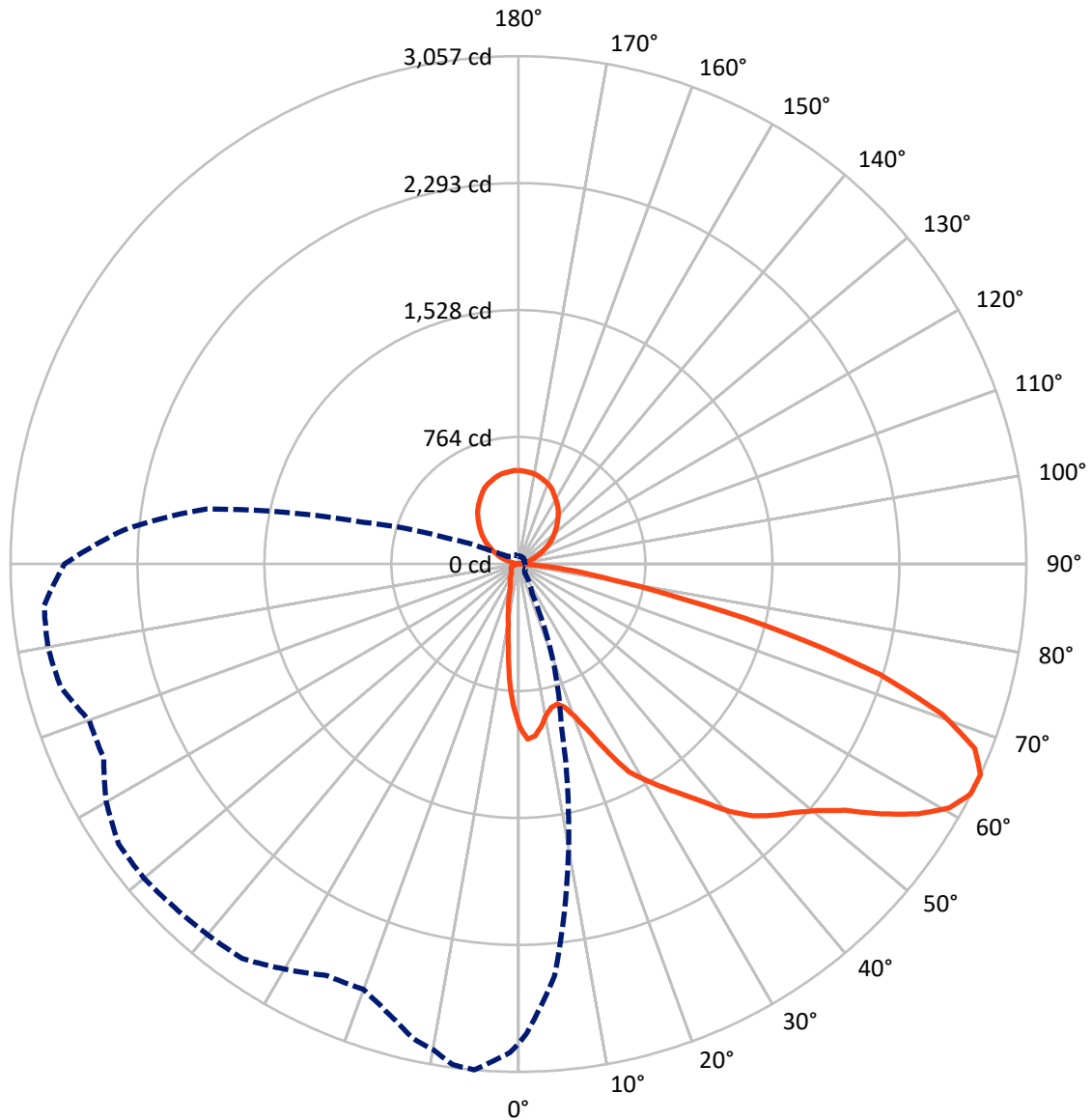


Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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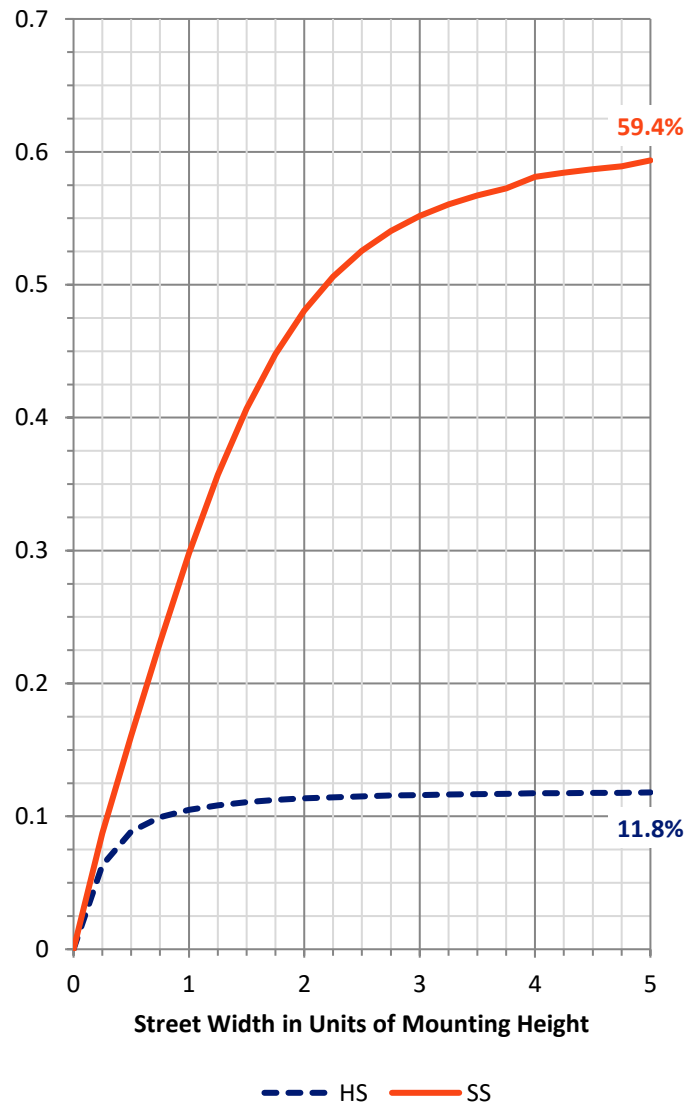
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	589.5	699.9	1289.4
	% Fixture	11.9	14.2	26.1
Street Side	Lumens	2955.6	699.9	3655.5
	% Fixture	59.8	14.2	73.9
Total	Lumens	3545.1	1399.8	4944.9
	% Fixture	71.7	28.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	1.5
10°-20°	155.2	3.1
20°-30°	225.7	4.6
30°-40°	333.7	6.7
40°-50°	486.3	9.8
50°-60°	728.9	14.7
60°-70°	908.4	18.4
70°-80°	532.1	10.8
80°-90°	99.5	2.0
90°-100°	4.7	0.1
100°-110°	67.7	1.4
110°-120°	150.2	3.0
120°-130°	219.7	4.4
130°-140°	260.7	5.3
140°-150°	264.3	5.3
150°-160°	226.8	4.6
160°-170°	152.2	3.1
170°-180°	53.3	1.1
0°-90°	3545.1	71.7
0°-180°	4944.9	100.0



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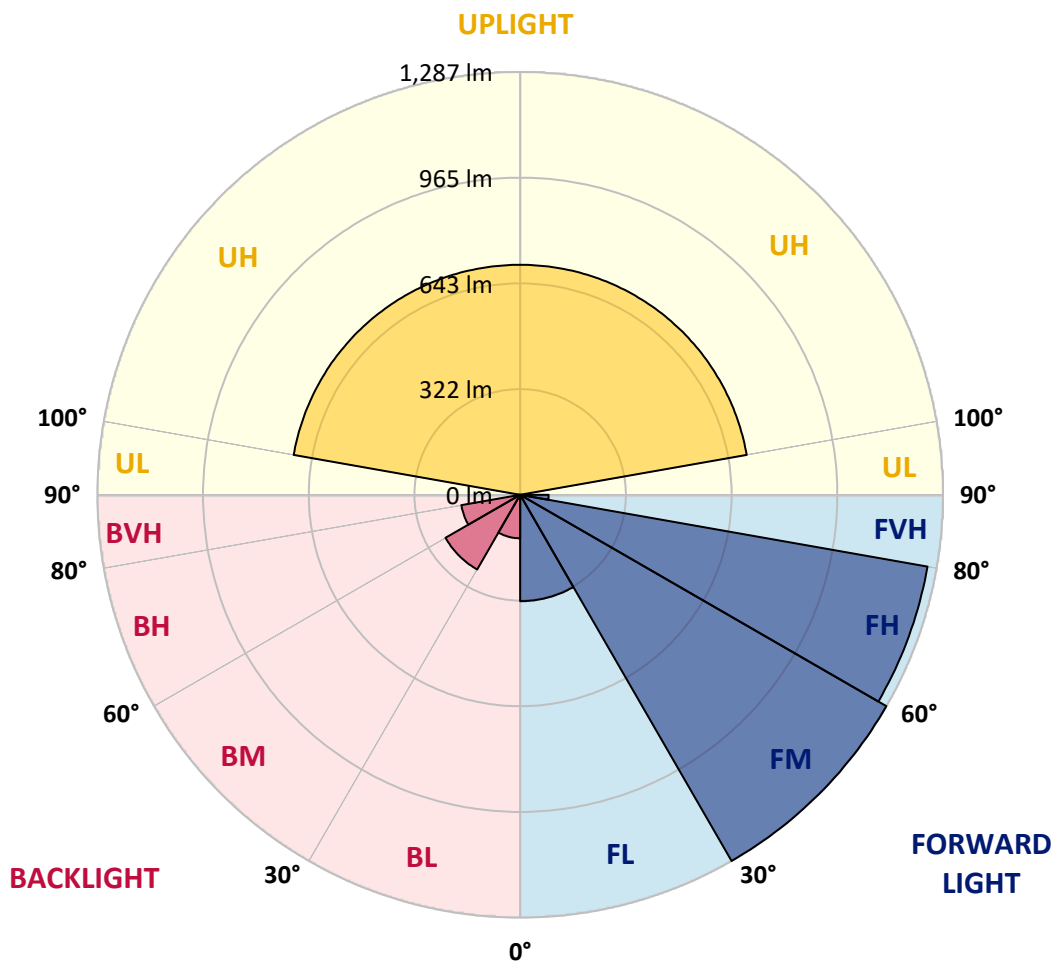
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.9	6.5			
FM	(30°-60°)	1286.6	26.0			
FH	(60°-80°)	1258.5	25.5			G1/1800
FVH	(80°-90°)	86.7	1.8			G1/100
BL	(0°-30°)	132.4	2.7	B1/500		
BM	(30°-60°)	262.4	5.3	B1/1000		
BH	(60°-80°)	181.9	3.7	B1/500		G1/500
BVH	(80°-90°)	12.8	0.3			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	699.9	14.2		U4/1000	

BUG Rating: B1-U5-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
0°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	1041.5	1033.1	1016.2	982.5	947.4	913.7	908.1	895.5	896.9	889.8	887.1
5°	1007.8	996.5	961.5	891.3	830.9	769.2	765.0	739.7	742.4	727.0	718.6
7.5°	933.4	917.9	878.6	781.7	697.5	616.1	607.7	578.3	574.1	558.6	546.0
10°	860.4	844.9	795.8	684.9	588.1	527.8	518.0	503.9	492.6	485.6	473.0
12.5°	814.0	805.6	746.7	618.9	543.1	494.1	481.4	467.4	456.2	443.5	430.8
15°	804.3	787.4	727.0	597.9	509.5	449.2	433.7	418.3	405.7	393.0	374.8
17.5°	830.9	814.0	746.7	588.1	471.6	398.6	378.9	358.0	345.3	329.9	310.2
20°	894.0	867.4	784.6	574.1	430.8	339.6	315.8	290.5	276.5	249.8	235.7
22.5°	995.1	961.5	849.2	574.1	393.0	277.8	251.3	228.8	213.3	189.5	174.0
25°	1139.7	1110.1	954.4	589.5	359.3	225.9	199.3	176.9	161.4	144.5	134.7
27.5°	1274.4	1228.2	1066.6	611.9	332.6	189.5	162.9	144.5	133.4	125.0	119.4
30°	1375.5	1337.6	1164.9	627.4	293.4	158.6	141.8	130.5	125.0	120.7	117.9
32.5°	1468.1	1424.6	1235.1	637.2	269.5	134.7	119.4	110.9	105.3	99.6	98.3
35°	1566.4	1524.2	1317.9	635.8	254.0	123.4	108.1	98.3	92.6	91.3	88.4
37.5°	1702.5	1645.0	1413.3	635.8	248.4	119.4	101.1	91.3	87.0	84.2	82.8
40°	1834.4	1769.9	1518.7	640.0	242.8	116.5	101.1	91.3	84.2	81.4	78.6
42.5°	1957.9	1886.4	1614.1	647.0	239.9	108.1	95.4	89.8	87.0	81.4	77.3
45°	2052.0	1995.9	1688.5	661.1	239.9	102.5	89.8	85.6	84.2	84.2	82.8
47.5°	2143.2	2080.0	1774.1	687.7	244.2	98.3	85.6	79.9	79.9	79.9	81.4
50°	2261.1	2186.7	1892.0	742.4	244.2	96.8	81.4	75.7	74.4	77.3	77.3
52.5°	2421.1	2367.8	2064.7	821.1	241.5	95.4	79.9	71.5	70.2	71.5	74.4
55°	2647.0	2586.7	2273.7	917.9	238.6	92.6	77.3	70.2	67.4	65.9	67.4
57.5°	2842.1	2790.2	2465.9	995.1	231.7	85.6	74.4	68.8	64.6	63.2	61.7
60°	2927.8	2884.3	2589.5	1047.1	219.0	78.6	70.2	65.9	61.7	60.4	59.0
62.5°	2941.8	2887.1	2590.9	1058.2	204.9	71.5	65.9	61.7	59.0	57.5	56.1
65°	2887.1	2825.3	2488.5	989.6	193.7	71.5	63.2	59.0	54.8	53.3	51.9
67.5°	2763.5	2668.1	2228.9	839.4	183.8	73.0	61.7	54.8	51.9	50.6	49.1
70°	2465.9	2359.4	1882.2	666.7	179.6	74.4	61.7	51.9	47.7	46.4	46.4
72.5°	1976.2	1854.1	1468.1	502.4	172.7	75.7	60.4	49.1	44.9	42.1	42.1
75°	1337.6	1230.9	995.1	339.6	143.2	65.9	54.8	44.9	39.3	36.5	35.1
77.5°	745.2	710.2	632.9	179.6	91.3	49.1	42.1	36.5	32.2	30.9	29.5
80°	437.9	419.7	373.3	99.6	56.1	28.0	25.2	23.9	21.1	21.1	21.1
82.5°	268.1	249.8	231.7	44.9	26.7	14.0	14.0	11.2	11.2	9.8	9.8
85°	73.0	67.4	94.1	9.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	2.0	3.0	4.0	5.1	6.4	7.6	8.8	9.8
100°	7.8	7.8	7.8	9.8	13.7	21.6	23.5	25.5	27.5	29.5	29.9
102.5°	27.5	27.5	27.5	31.4	37.3	44.2	45.4	46.6	47.9	49.0	49.2
105°	53.0	53.0	53.0	55.0	59.8	64.8	65.8	66.7	67.7	68.7	68.9
107.5°	76.5	76.4	75.5	78.5	82.5	86.3	87.1	87.9	88.6	89.3	89.8
110°	99.2	99.4	100.1	101.1	104.0	108.0	108.4	109.0	109.4	110.0	110.4



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
112.5°	121.7	121.7	121.7	123.7	126.6	129.5	130.1	130.5	131.1	131.5	132.1
115°	143.3	143.5	144.3	146.2	148.2	151.2	151.6	152.2	152.6	153.1	153.6
117.5°	165.8	166.1	166.8	168.8	170.8	173.7	174.2	174.7	175.2	175.7	175.9
120°	189.5	189.8	191.4	192.3	194.3	197.3	197.4	197.8	198.1	198.3	198.7
122.5°	215.0	215.1	216.0	216.9	218.8	221.8	222.0	222.3	222.6	222.8	223.0
125°	239.5	239.8	241.5	242.5	243.4	246.3	246.6	246.9	247.1	247.3	247.6
127.5°	262.0	262.5	264.0	265.0	267.0	269.0	269.4	269.9	270.4	270.9	271.4
130°	284.7	285.0	286.6	287.5	288.5	292.5	292.7	292.9	293.3	293.5	293.9
132.5°	307.2	307.4	308.2	311.2	312.1	315.0	315.2	315.6	315.8	316.0	316.8
135°	329.8	329.9	330.8	332.7	334.7	338.6	338.6	338.6	338.6	338.6	339.4
137.5°	352.3	352.6	353.3	356.3	357.3	360.2	360.2	360.2	360.2	360.2	360.7
140°	375.0	375.1	375.9	377.8	378.8	380.8	381.0	381.3	381.6	381.8	382.0
142.5°	396.5	396.9	398.5	400.5	399.5	402.4	402.4	402.4	402.4	402.4	402.9
145°	417.2	417.4	418.1	420.0	420.0	423.0	423.2	423.6	423.8	424.0	424.4
147.5°	435.8	435.8	435.8	438.7	439.7	443.7	443.9	444.1	444.4	444.6	444.8
150°	452.5	452.7	453.5	455.4	456.4	460.3	460.5	460.8	461.1	461.3	461.5
152.5°	470.2	470.4	471.1	474.0	473.0	476.0	476.2	476.6	476.8	477.0	477.2
155°	489.8	489.9	490.7	492.7	491.7	493.7	493.7	493.7	493.7	493.7	493.9
157.5°	503.5	503.9	505.5	507.5	506.5	509.4	509.4	509.4	509.4	509.4	509.4
160°	515.3	515.6	517.2	519.2	519.2	522.2	522.2	522.2	522.2	522.2	522.2
162.5°	525.1	525.3	526.0	529.0	528.0	531.0	531.0	531.0	531.0	531.0	531.2
165°	535.9	536.1	536.8	538.8	537.8	541.8	541.8	541.8	541.8	541.8	541.9
167.5°	544.7	544.9	545.7	548.7	547.7	550.6	550.4	550.1	549.9	549.7	549.7
170°	551.6	551.8	552.5	555.5	554.5	556.5	556.3	556.1	555.7	555.5	555.3
172.5°	554.5	554.7	555.5	558.5	556.5	558.5	558.3	557.9	557.7	557.5	557.7
175°	556.5	556.9	558.5	559.5	558.5	561.4	561.4	561.4	561.4	561.4	561.6
177.5°	561.4	561.6	562.4	564.3	563.3	567.3	567.1	566.8	566.5	566.3	566.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



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CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	875.8	873.1	873.1	852.0	852.0	840.7	837.8	837.8	842.1	839.4	822.5
5°	704.6	696.2	690.5	665.3	658.3	645.6	640.0	638.7	642.7	635.8	613.4
7.5°	530.4	523.5	515.1	495.4	487.0	485.6	468.7	464.5	461.8	456.2	442.1
10°	463.2	453.4	446.3	432.3	422.5	415.5	401.5	394.4	388.8	380.3	376.1
12.5°	416.8	407.0	397.2	378.9	366.3	358.0	349.5	335.4	329.9	320.0	314.4
15°	359.3	348.0	336.9	317.2	300.3	291.9	275.2	266.7	261.0	249.8	244.2
17.5°	289.2	273.7	261.0	242.8	234.4	220.4	210.6	196.5	185.3	181.1	176.9
20°	217.6	203.6	192.2	176.9	168.4	157.2	151.5	141.8	136.1	133.4	130.5
22.5°	160.0	148.8	141.8	133.4	129.2	125.0	122.1	119.4	116.5	115.2	115.2
25°	126.3	122.1	119.4	116.5	115.2	113.6	110.9	109.4	108.1	106.7	106.7
27.5°	115.2	112.3	110.9	109.4	108.1	105.3	105.3	102.5	101.1	101.1	99.6
30°	116.5	116.5	116.5	113.6	112.3	109.4	108.1	103.8	101.1	98.3	96.8
32.5°	95.4	95.4	94.1	91.3	89.8	88.4	88.4	85.6	84.2	84.2	87.0
35°	87.0	85.6	84.2	81.4	79.9	77.3	75.7	74.4	73.0	71.5	71.5
37.5°	82.8	81.4	79.9	77.3	75.7	74.4	73.0	70.2	68.8	68.8	67.4
40°	78.6	78.6	78.6	75.7	74.4	71.5	70.2	68.8	67.4	65.9	65.9
42.5°	75.7	75.7	75.7	74.4	73.0	71.5	68.8	67.4	65.9	64.6	63.2
45°	77.3	75.7	75.7	74.4	73.0	70.2	68.8	65.9	64.6	63.2	61.7
47.5°	82.8	81.4	78.6	75.7	73.0	70.2	67.4	64.6	63.2	61.7	60.4
50°	78.6	84.2	85.6	81.4	74.4	70.2	67.4	64.6	61.7	60.4	59.0
52.5°	77.3	78.6	84.2	84.2	77.3	71.5	67.4	64.6	61.7	59.0	57.5
55°	70.2	74.4	75.7	77.3	75.7	70.2	65.9	61.7	60.4	57.5	54.8
57.5°	61.7	64.6	65.9	68.8	70.2	68.8	63.2	59.0	57.5	54.8	51.9
60°	57.5	57.5	57.5	59.0	65.9	71.5	65.9	57.5	53.3	51.9	49.1
62.5°	53.3	53.3	51.9	53.3	54.8	61.7	60.4	54.8	51.9	50.6	47.7
65°	51.9	50.6	49.1	49.1	49.1	49.1	49.1	49.1	47.7	47.7	46.4
67.5°	47.7	46.4	46.4	44.9	44.9	44.9	44.9	44.9	43.5	43.5	42.1
70°	44.9	43.5	42.1	42.1	42.1	40.7	40.7	40.7	39.3	39.3	39.3
72.5°	40.7	39.3	39.3	39.3	37.9	37.9	37.9	36.5	36.5	35.1	35.1
75°	35.1	35.1	33.7	33.7	33.7	32.2	32.2	32.2	32.2	30.9	30.9
77.5°	29.5	28.0	29.5	28.0	28.0	28.0	28.0	28.0	26.7	26.7	25.2
80°	19.7	19.7	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	19.7
82.5°	11.2	9.8	11.2	11.2	11.2	12.7	12.7	14.0	12.7	12.7	11.2
85°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.9	2.9	2.9	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	10.8	11.8	12.8	11.3	9.8	8.4	6.8	6.4	5.9	5.4	4.9
100°	30.5	30.9	31.4	30.9	30.5	29.9	29.5	28.7	27.9	27.3	26.5
102.5°	49.6	49.9	50.0	49.9	49.6	49.2	49.0	48.6	48.1	47.6	47.1
105°	69.2	69.5	69.7	69.7	69.7	69.7	69.7	69.2	68.7	68.2	67.7
107.5°	90.3	90.8	91.3	91.1	90.8	90.5	90.3	90.1	89.8	89.5	89.3
110°	110.9	111.4	111.9	111.9	111.9	111.9	111.9	111.7	111.4	111.1	110.9



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CATALOG NUMBER: ISS-AF-800-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
112.5°	132.5	132.9	133.5	133.5	133.5	133.5	133.5	133.3	132.9	132.7	132.5
115°	154.1	154.6	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0
117.5°	176.2	176.4	176.7	176.9	177.1	177.4	177.7	177.4	177.1	176.9	176.7
120°	199.2	199.7	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2
122.5°	223.3	223.6	223.8	223.8	223.8	223.8	223.8	223.9	224.3	224.6	224.8
125°	247.8	248.1	248.3	248.5	248.8	249.1	249.3	249.3	249.3	249.3	249.3
127.5°	271.8	272.4	272.8	272.6	272.4	272.1	271.8	272.1	272.4	272.6	272.8
130°	294.5	294.9	295.5	295.5	295.5	295.5	295.5	295.6	295.9	296.2	296.4
132.5°	317.6	318.2	319.0	319.0	319.0	319.0	319.0	319.2	319.4	319.8	320.0
135°	340.1	340.7	341.5	341.5	341.5	341.5	341.5	341.7	342.1	342.3	342.5
137.5°	361.2	361.7	362.2	362.2	362.2	362.2	362.2	362.4	362.6	362.9	363.2
140°	382.3	382.6	382.8	382.8	382.8	382.8	382.8	383.3	383.8	384.3	384.7
142.5°	403.4	403.9	404.3	404.3	404.3	404.3	404.3	404.6	404.9	405.1	405.3
145°	425.0	425.4	426.0	425.8	425.4	425.2	425.0	425.2	425.4	425.8	426.0
147.5°	445.1	445.4	445.6	445.1	444.6	444.1	443.7	443.9	444.1	444.4	444.6
150°	461.8	462.1	462.3	461.8	461.3	460.8	460.3	460.3	460.3	460.3	460.3
152.5°	477.4	477.8	478.0	477.8	477.4	477.2	477.0	477.0	477.0	477.0	477.0
155°	494.2	494.4	494.7	494.4	494.2	493.9	493.7	493.9	494.2	494.4	494.7
157.5°	509.4	509.4	509.4	508.9	508.4	507.9	507.5	507.6	507.9	508.2	508.4
160°	522.2	522.2	522.2	521.6	521.2	520.7	520.2	520.2	520.2	520.2	520.2
162.5°	531.4	531.8	532.0	531.4	531.0	530.4	530.0	529.6	529.0	528.6	528.0
165°	542.3	542.6	542.8	541.9	541.3	540.6	539.8	539.3	538.8	538.4	537.8
167.5°	549.7	549.7	549.7	549.1	548.7	548.1	547.7	547.9	548.1	548.4	548.7
170°	555.1	554.7	554.5	554.3	554.1	553.7	553.5	554.1	554.5	555.1	555.5
172.5°	557.9	558.3	558.5	557.9	557.5	556.9	556.5	556.7	556.9	557.3	557.5
175°	561.9	562.2	562.4	561.6	560.9	560.3	559.5	558.9	558.5	557.9	557.5
177.5°	566.3	566.3	566.3	565.6	564.9	564.1	563.3	563.3	563.3	563.3	563.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



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CATALOG NUMBER: ISS-AF-800-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	830.9	829.5	815.4	818.3	814.0	805.6	807.0	808.5	811.3	805.6	802.8
5°	624.6	626.0	607.7	613.4	609.1	607.7	611.9	618.9	623.2	621.8	617.6
7.5°	443.5	444.9	429.5	428.1	423.9	422.5	428.1	435.0	439.3	437.9	439.3
10°	366.3	362.1	348.0	338.2	328.4	320.0	318.6	318.6	318.6	315.8	313.0
12.5°	303.2	299.0	282.1	273.7	265.3	254.0	252.6	251.3	247.0	242.8	237.2
15°	235.7	231.7	217.6	211.9	204.9	200.7	199.3	199.3	196.5	193.7	190.9
17.5°	171.3	168.4	160.0	154.4	153.0	154.4	155.8	158.6	160.0	161.4	161.4
20°	129.2	127.6	125.0	125.0	126.3	130.5	131.9	136.1	137.5	140.3	143.2
22.5°	113.6	113.6	112.3	112.3	115.2	119.4	122.1	123.4	125.0	126.3	126.3
25°	105.3	105.3	103.8	106.7	110.9	110.9	110.9	110.9	108.1	106.7	106.7
27.5°	99.6	99.6	99.6	101.1	99.6	98.3	98.3	98.3	96.8	96.8	95.4
30°	95.4	95.4	95.4	94.1	94.1	92.6	92.6	91.3	91.3	89.8	89.8
32.5°	88.4	85.6	88.4	85.6	85.6	84.2	85.6	85.6	82.8	82.8	82.8
35°	70.2	68.8	68.8	68.8	67.4	68.8	71.5	71.5	71.5	71.5	71.5
37.5°	65.9	65.9	64.6	63.2	63.2	61.7	63.2	61.7	61.7	61.7	63.2
40°	64.6	63.2	61.7	61.7	60.4	59.0	59.0	59.0	59.0	59.0	59.0
42.5°	61.7	61.7	59.0	57.5	57.5	56.1	56.1	56.1	56.1	56.1	56.1
45°	60.4	59.0	57.5	56.1	54.8	54.8	54.8	54.8	54.8	54.8	53.3
47.5°	59.0	57.5	56.1	54.8	53.3	51.9	51.9	51.9	51.9	51.9	51.9
50°	57.5	56.1	53.3	53.3	51.9	50.6	50.6	50.6	50.6	50.6	50.6
52.5°	54.8	54.8	51.9	50.6	49.1	49.1	49.1	49.1	49.1	49.1	49.1
55°	51.9	51.9	49.1	47.7	46.4	46.4	46.4	46.4	47.7	47.7	47.7
57.5°	50.6	49.1	46.4	46.4	43.5	43.5	43.5	44.9	44.9	46.4	46.4
60°	47.7	46.4	44.9	43.5	43.5	42.1	42.1	42.1	42.1	43.5	43.5
62.5°	46.4	44.9	42.1	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
65°	43.5	43.5	40.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
67.5°	40.7	40.7	37.9	36.5	36.5	36.5	37.9	36.5	36.5	36.5	36.5
70°	37.9	36.5	35.1	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
72.5°	33.7	33.7	32.2	30.9	30.9	30.9	30.9	30.9	30.9	30.9	32.2
75°	29.5	28.0	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
77.5°	25.2	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	23.9
80°	18.2	16.9	16.9	16.9	16.9	18.2	18.2	18.2	18.2	18.2	18.2
82.5°	11.2	9.8	9.8	9.8	11.2	12.7	12.7	12.7	12.7	14.0	14.0
85°	2.9	2.9	2.9	2.9	5.6	7.1	7.1	7.1	8.4	7.1	7.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	4.7	4.4	4.0	4.0	4.0	4.4	4.7	4.9	5.4	5.9	6.4
100°	26.3	26.1	25.5	24.5	25.5	26.1	26.3	26.5	27.3	27.9	28.7
102.5°	47.3	47.6	48.1	47.1	48.1	47.6	47.3	47.1	47.6	48.1	48.6
105°	68.2	68.7	69.7	67.7	69.7	68.7	68.2	67.7	68.2	68.7	69.2
107.5°	89.5	89.8	90.3	89.3	90.3	89.8	89.5	89.3	89.5	89.8	90.1
110°	111.1	111.4	111.9	110.9	111.9	111.4	111.1	110.9	111.1	111.4	111.7



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°	
112.5°	132.9	133.5	134.5	132.5	134.5	133.5	132.9	132.5	132.7	132.9	133.3	0°
115°	155.6	156.0	157.0	156.0	157.0	156.0	155.6	155.0	155.0	155.0	155.0	2.5°
117.5°	177.1	177.7	178.7	176.7	178.7	177.7	177.1	176.7	176.9	177.1	177.4	5°
120°	200.7	201.2	202.2	200.2	202.2	201.2	200.7	200.2	200.2	200.2	200.2	7.5°
122.5°	225.7	226.7	228.7	227.7	228.7	226.7	225.7	224.8	224.6	224.3	223.9	10°
125°	250.1	250.8	252.2	251.3	252.2	250.8	250.1	249.3	249.3	249.3	249.3	12.5°
127.5°	273.6	274.3	275.8	272.8	275.8	274.3	273.6	272.8	272.6	272.4	272.1	15°
130°	297.2	297.9	299.3	297.4	299.3	297.9	297.2	296.4	296.2	295.9	295.6	17.5°
132.5°	320.8	321.4	322.9	321.0	322.9	321.4	320.8	320.0	319.8	319.4	319.2	20°
135°	343.1	343.5	344.5	343.5	344.5	343.5	343.1	342.5	342.3	342.1	341.7	22.5°
137.5°	364.2	365.1	367.0	365.1	367.0	365.1	364.2	363.2	362.9	362.6	362.4	25°
140°	385.7	386.7	388.7	386.7	388.7	386.7	385.7	384.7	384.3	383.8	383.3	27.5°
142.5°	406.1	406.8	408.3	407.3	408.3	406.8	406.1	405.3	405.1	404.9	404.6	30°
145°	426.8	427.4	428.9	427.0	428.9	427.4	426.8	426.0	425.8	425.4	425.2	32.5°
147.5°	445.4	446.1	447.5	444.6	447.5	446.1	445.4	444.6	444.4	444.1	443.9	35°
150°	461.3	462.3	464.2	461.3	464.2	462.3	461.3	460.3	460.3	460.3	460.3	37.5°
152.5°	477.8	478.4	480.0	477.0	480.0	478.4	477.8	477.0	477.0	477.0	477.0	40°
155°	495.4	496.1	497.6	495.7	497.6	496.1	495.4	494.7	494.4	494.2	493.9	42.5°
157.5°	509.6	510.9	513.3	510.3	513.3	510.9	509.6	508.4	508.2	507.9	507.6	45°
160°	520.9	521.6	523.2	521.2	523.2	521.6	520.9	520.2	520.2	520.2	520.2	47.5°
162.5°	528.6	529.0	530.0	527.0	530.0	529.0	528.6	528.0	528.6	529.0	529.6	50°
165°	538.4	538.8	539.8	537.8	539.8	538.8	538.4	537.8	538.4	538.8	539.3	52.5°
167.5°	549.7	550.6	552.5	550.6	552.5	550.6	549.7	548.7	548.4	548.1	547.9	55°
170°	556.7	557.9	560.5	558.5	560.5	557.9	556.7	555.5	555.1	554.5	554.1	57.5°
172.5°	558.3	558.9	560.5	557.5	560.5	558.9	558.3	557.5	557.3	556.9	556.7	60°
175°	558.3	558.9	560.5	557.5	560.5	558.9	558.3	557.5	557.9	558.5	558.9	62.5°
177.5°	564.1	564.9	566.3	563.3	566.3	564.9	564.1	563.3	563.3	563.3	563.3	65°
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°
												110°

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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°	115°	115°
981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	112.5°	133.5
800.0	816.9	816.9	805.6	811.3	805.6	804.3	814.0	819.6	837.8	849.2	115°	155.0
618.9	640.0	641.4	635.8	642.7	638.7	642.7	655.4	665.3	678.0	689.1	117.5°	177.7
442.1	461.8	466.0	461.8	474.3	473.0	475.8	489.8	498.3	505.3	506.6	120°	200.2
311.6	314.4	325.6	322.9	331.3	329.9	334.0	345.3	356.4	360.7	363.5	122.5°	223.8
234.4	231.7	235.7	230.1	234.4	234.4	235.7	242.8	256.8	262.5	276.5	125°	249.3
189.5	186.7	186.7	183.8	183.8	182.4	183.8	189.5	199.3	207.7	219.0	127.5°	271.8
161.4	161.4	161.4	160.0	158.6	158.6	160.0	162.9	168.4	174.0	179.6	130°	295.5
144.5	147.4	148.8	150.2	151.5	153.0	154.4	158.6	157.2	151.5	144.5	132.5°	319.0
126.3	126.3	127.6	127.6	126.3	126.3	126.3	126.3	126.3	130.5	134.7	135°	341.5
105.3	105.3	105.3	106.7	105.3	105.3	106.7	106.7	108.1	110.9	115.2	137.5°	362.2
95.4	95.4	95.4	95.4	95.4	95.4	95.4	96.8	98.3	102.5	105.3	140°	382.8
88.4	88.4	87.0	87.0	87.0	85.6	87.0	87.0	88.4	94.1	98.3	142.5°	404.3
81.4	79.9	79.9	79.9	78.6	78.6	78.6	81.4	82.8	85.6	89.8	145°	425.0
71.5	71.5	71.5	73.0	73.0	73.0	73.0	75.7	75.7	77.3	77.3	147.5°	443.7
64.6	64.6	65.9	67.4	67.4	68.8	68.8	70.2	71.5	70.2	68.8	150°	460.3
59.0	60.4	60.4	63.2	63.2	63.2	64.6	65.9	67.4	64.6	64.6	152.5°	477.0
56.1	56.1	56.1	57.5	57.5	57.5	59.0	60.4	61.7	61.7	61.7	155°	493.7
53.3	53.3	53.3	54.8	53.3	53.3	53.3	54.8	57.5	57.5	59.0	157.5°	507.5
51.9	51.9	51.9	50.6	50.6	50.6	50.6	51.9	53.3	56.1	57.5	160°	520.2
50.6	49.1	49.1	49.1	49.1	49.1	49.1	50.6	51.9	53.3	56.1	162.5°	530.0
47.7	47.7	47.7	47.7	47.7	47.7	47.7	49.1	50.6	51.9	53.3	165°	539.8
47.7	47.7	46.4	46.4	47.7	47.7	47.7	49.1	50.6	51.9	51.9	167.5°	547.7
46.4	44.9	44.9	46.4	46.4	46.4	46.4	47.7	49.1	50.6	50.6	170°	553.5
43.5	43.5	43.5	43.5	44.9	44.9	46.4	47.7	47.7	49.1	49.1	172.5°	556.5
40.7	42.1	42.1	42.1	43.5	43.5	44.9	46.4	47.7	49.1	47.7	175°	559.5
39.3	40.7	40.7	40.7	42.1	42.1	42.1	44.9	46.4	46.4	47.7	177.5°	563.3
37.9	37.9	37.9	39.3	39.3	40.7	40.7	43.5	43.5	44.9	46.4	180°	565.3
35.1	35.1	35.1	36.5	36.5	37.9	39.3	40.7	40.7	42.1	43.5		
32.2	32.2	32.2	33.7	33.7	35.1	36.5	39.3	37.9	39.3	39.3		
28.0	28.0	29.5	29.5	30.9	32.2	33.7	33.7	33.7	33.7	33.7		
23.9	23.9	25.2	25.2	26.7	28.0	28.0	28.0	29.5	28.0	28.0		
19.7	19.7	21.1	21.1	21.1	21.1	22.5	21.1	22.5	21.1	22.5		
14.0	14.0	15.5	14.0	15.5	14.0	14.0	12.7	15.5	14.0	14.0		
5.6	7.1	7.1	7.1	7.1	5.6	5.6	4.2	5.6	5.6	4.2		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
6.8	8.4	9.8	11.3	12.8	11.8	10.8	8.8	4.0	3.0	2.0		
29.5	29.9	30.5	30.9	31.4	30.9	30.5	29.5	21.6	13.7	9.8		
49.0	49.2	49.6	49.9	50.0	49.9	49.6	49.0	44.2	37.3	31.4		
69.7	69.7	69.7	69.7	69.7	69.5	69.2	68.7	64.8	59.8	55.0		
90.3	90.5	90.8	91.1	91.3	90.8	90.3	89.3	86.3	82.5	78.5		
111.9	111.9	111.9	111.9	111.9	111.4	110.9	110.0	108.0	104.0	101.1		

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TION (continued):

CANDELA DISTRIBUTION (con

117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°		175°	180°
133.5	133.5	133.5	133.5	132.9	132.5	131.5	129.5	126.6	123.7	0°	981.1	981.1
155.0	155.0	155.0	155.0	154.6	154.1	153.1	151.2	148.2	146.2	2.5°	853.4	852.0
177.4	177.1	176.9	176.7	176.4	176.2	175.7	173.7	170.8	168.8	5°	690.5	687.7
200.2	200.2	200.2	200.2	199.7	199.2	198.3	197.3	194.3	192.3	7.5°	494.1	488.4
223.8	223.8	223.8	223.8	223.6	223.3	222.8	221.8	218.8	216.9	10°	364.9	369.1
249.1	248.8	248.5	248.3	248.1	247.8	247.3	246.3	243.4	242.5	12.5°	291.9	308.7
272.1	272.4	272.6	272.8	272.4	271.8	270.9	269.0	267.0	265.0	15°	234.4	244.2
295.5	295.5	295.5	295.5	294.9	294.5	293.5	292.5	288.5	287.5	17.5°	181.1	185.3
319.0	319.0	319.0	319.0	318.2	317.6	316.0	315.0	312.1	311.2	20°	144.5	144.5
341.5	341.5	341.5	341.5	340.7	340.1	338.6	338.6	334.7	332.7	22.5°	126.3	125.0
362.2	362.2	362.2	362.2	361.7	361.2	360.2	360.2	357.3	356.3	25°	119.4	117.9
382.8	382.8	382.8	382.8	382.6	382.3	381.8	380.8	378.8	377.8	27.5°	108.1	109.4
404.3	404.3	404.3	404.3	403.9	403.4	402.4	402.4	399.5	400.5	30°	101.1	102.5
425.2	425.4	425.8	426.0	425.4	425.0	424.0	423.0	420.0	420.0	32.5°	92.6	94.1
444.1	444.6	445.1	445.6	445.4	445.1	444.6	443.7	439.7	438.7	35°	75.7	75.7
460.8	461.3	461.8	462.3	462.1	461.8	461.3	460.3	456.4	455.4	37.5°	70.2	70.2
477.2	477.4	477.8	478.0	477.8	477.4	477.0	476.0	473.0	474.0	40°	65.9	67.4
493.9	494.2	494.4	494.7	494.4	494.2	493.7	493.7	491.7	492.7	42.5°	63.2	63.2
507.9	508.4	508.9	509.4	509.4	509.4	509.4	509.4	506.5	507.5	45°	60.4	61.7
520.7	521.2	521.6	522.2	522.2	522.2	522.2	522.2	519.2	519.2	47.5°	59.0	59.0
530.4	531.0	531.4	532.0	531.8	531.4	531.0	531.0	528.0	529.0	50°	56.1	57.5
540.6	541.3	541.9	542.8	542.6	542.3	541.8	541.8	537.8	538.8	52.5°	54.8	56.1
548.1	548.7	549.1	549.7	549.7	549.7	549.7	550.6	547.7	548.7	55°	53.3	53.3
553.7	554.1	554.3	554.5	554.7	555.1	555.5	556.5	554.5	555.5	57.5°	50.6	51.9
556.9	557.5	557.9	558.5	558.3	557.9	557.5	558.5	556.5	558.5	60°	50.6	50.6
560.3	560.9	561.6	562.4	562.2	561.9	561.4	561.4	558.5	559.5	62.5°	49.1	49.1
564.1	564.9	565.6	566.3	566.3	566.3	566.3	567.3	563.3	564.3	65°	47.7	47.7
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	44.9	44.9
										70°	42.1	42.1
										72.5°	39.3	37.9
										75°	33.7	33.7
										77.5°	28.0	28.0
										80°	21.1	19.7
										82.5°	12.7	11.2
										85°	4.2	4.2
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	2.0	2.0
										100°	7.8	7.8
										102.5°	27.5	27.5
										105°	53.0	53.0
										107.5°	75.5	76.5
										110°	100.1	99.2



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tinued):

CANDELA DISTRIBUTION (continued):

185°	195°	205°	215°	225°	230°	235°	240°	245°		175°	180°	185°
981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	112.5°	121.7	121.7	121.7
873.1	888.4	898.2	936.1	953.0	974.0	983.8	997.8	1011.9	115°	144.3	143.3	144.3
713.0	732.7	749.5	804.3	836.5	866.0	889.8	912.3	944.6	117.5°	166.8	165.8	166.8
505.3	522.2	544.6	603.5	659.6	698.9	734.1	771.9	814.0	120°	191.4	189.5	191.4
386.0	411.2	440.7	485.6	530.4	558.6	589.5	631.6	682.2	122.5°	216.0	215.0	216.0
322.9	353.8	388.8	439.3	487.0	509.5	532.0	553.0	579.7	125°	241.5	239.5	241.5
255.5	284.9	327.1	386.0	442.1	467.4	494.1	519.3	543.1	127.5°	264.0	262.0	264.0
190.9	211.9	249.8	320.0	381.8	414.1	444.9	480.1	512.3	130°	286.6	284.7	286.6
146.0	155.8	182.4	237.2	313.0	353.8	393.0	437.9	484.3	132.5°	308.2	307.2	308.2
126.3	130.5	143.2	175.5	244.2	291.9	342.4	398.6	456.2	135°	330.8	329.8	330.8
116.5	119.4	126.3	141.8	190.9	241.5	293.4	360.7	430.8	137.5°	353.3	352.3	353.3
110.9	113.6	119.4	127.6	158.6	196.5	254.0	328.4	412.6	140°	375.9	375.0	375.9
103.8	106.7	116.5	126.3	144.5	168.4	217.6	290.5	384.6	142.5°	398.5	396.5	398.5
95.4	96.8	99.6	110.9	123.4	143.2	185.3	256.8	355.1	145°	418.1	417.2	418.1
77.3	81.4	87.0	98.3	110.9	126.3	165.6	234.4	336.9	147.5°	435.8	435.8	435.8
71.5	75.7	81.4	91.3	102.5	116.5	157.2	225.9	320.0	150°	453.5	452.5	453.5
67.4	71.5	77.3	88.4	95.4	112.3	153.0	213.3	303.2	152.5°	471.1	470.2	471.1
64.6	68.8	75.7	84.2	94.1	109.4	141.8	202.1	293.4	155°	490.7	489.8	490.7
61.7	65.9	74.4	81.4	95.4	103.8	134.7	193.7	284.9	157.5°	505.5	503.5	505.5
60.4	64.6	73.0	82.8	92.6	98.3	127.6	186.7	277.8	160°	517.2	515.3	517.2
59.0	63.2	71.5	91.3	88.4	94.1	122.1	181.1	273.7	162.5°	526.0	525.1	526.0
57.5	61.7	71.5	92.6	85.6	88.4	117.9	175.5	270.9	165°	536.8	535.9	536.8
54.8	60.4	71.5	85.6	79.9	85.6	109.4	167.1	263.8	167.5°	545.7	544.7	545.7
53.3	57.5	70.2	78.6	75.7	81.4	101.1	153.0	254.0	170°	552.5	551.6	552.5
51.9	56.1	70.2	70.2	71.5	77.3	91.3	136.1	237.2	172.5°	555.5	554.5	555.5
50.6	56.1	71.5	63.2	67.4	73.0	84.2	122.1	216.1	175°	558.5	556.5	558.5
49.1	53.3	61.7	60.4	64.6	68.8	81.4	112.3	197.9	177.5°	562.4	561.4	562.4
46.4	50.6	54.8	56.1	61.7	65.9	79.9	110.9	181.1	180°	565.3	565.3	565.3
42.1	46.4	49.1	53.3	57.5	63.2	79.9	109.4	168.4				
39.3	42.1	44.9	47.7	51.9	59.0	78.6	110.9	162.9				
33.7	36.5	39.3	42.1	46.4	54.8	74.4	103.8	146.0				
26.7	30.9	33.7	35.1	39.3	47.7	64.6	88.4	117.9				
19.7	23.9	25.2	28.0	30.9	36.5	50.6	64.6	87.0				
11.2	15.5	16.9	18.2	23.9	26.7	33.7	42.1	59.0				
4.2	7.1	8.4	9.8	14.0	15.5	21.1	26.7	30.9				
0.0	0.0	0.0	0.0	2.9	4.2	7.1	8.4	7.1				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
2.0	2.0	3.0	4.0	8.8	10.8	12.8	9.8	6.8				
7.8	9.8	13.7	21.6	29.5	30.5	31.4	30.5	29.5				
27.5	31.4	37.3	44.2	49.0	49.6	50.0	49.6	49.0				
53.0	55.0	59.8	64.8	68.7	69.2	69.7	69.7	69.7				
75.5	78.5	82.5	86.3	89.3	90.3	91.3	90.8	90.3				
100.1	101.1	104.0	108.0	110.0	110.9	111.9	111.9	111.9				



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CANDELA DISTRIBUTION (continued):

195°	205°	215°	225°	230°	235°	240°	245°		250°	255°	260°	265°
123.7	126.6	129.5	131.5	132.5	133.5	133.5	133.5	0°	981.1	981.1	981.1	981.1
146.2	148.2	151.2	153.1	154.1	155.0	155.0	155.0	2.5°	1028.8	1042.8	1061.1	1078.0
168.8	170.8	173.7	175.7	176.2	176.7	177.1	177.7	5°	969.8	996.5	1035.8	1068.1
192.3	194.3	197.3	198.3	199.2	200.2	200.2	200.2	7.5°	850.5	887.1	936.1	981.1
216.9	218.8	221.8	222.8	223.3	223.8	223.8	223.8	10°	725.7	776.1	828.1	885.5
242.5	243.4	246.3	247.3	247.8	248.3	248.8	249.3	12.5°	623.2	680.7	739.7	811.3
265.0	267.0	269.0	270.9	271.8	272.8	272.4	271.8	15°	579.7	630.3	698.9	777.6
287.5	288.5	292.5	293.5	294.5	295.5	295.5	295.5	17.5°	561.4	626.0	704.6	787.4
311.2	312.1	315.0	316.0	317.6	319.0	319.0	319.0	20°	541.8	630.3	735.4	836.5
332.7	334.7	338.6	338.6	340.1	341.5	341.5	341.5	22.5°	530.4	644.3	774.8	916.5
356.3	357.3	360.2	360.2	361.2	362.2	362.2	362.2	25°	527.8	676.5	842.1	1030.2
377.8	378.8	380.8	381.8	382.3	382.8	382.8	382.8	27.5°	530.4	713.0	926.3	1152.3
400.5	399.5	402.4	402.4	403.4	404.3	404.3	404.3	30°	518.0	750.9	1010.5	1259.0
420.0	420.0	423.0	424.0	425.0	426.0	425.4	425.0	32.5°	496.9	779.0	1085.0	1344.7
438.7	439.7	443.7	444.6	445.1	445.6	444.6	443.7	35°	473.0	791.6	1138.2	1424.6
455.4	456.4	460.3	461.3	461.8	462.3	461.3	460.3	37.5°	447.7	793.0	1188.7	1508.8
474.0	473.0	476.0	477.0	477.4	478.0	477.4	477.0	40°	433.7	787.4	1240.6	1612.6
492.7	491.7	493.7	493.7	494.2	494.7	494.2	493.7	42.5°	428.1	777.6	1278.6	1691.3
507.5	506.5	509.4	509.4	509.4	509.4	508.4	507.5	45°	428.1	767.7	1313.7	1750.2
519.2	519.2	522.2	522.2	522.2	522.2	521.2	520.2	47.5°	429.5	771.9	1355.8	1845.7
529.0	528.0	531.0	531.0	531.4	532.0	531.0	530.0	50°	436.5	819.6	1427.4	1950.8
538.8	537.8	541.8	541.8	542.3	542.8	541.3	539.8	52.5°	447.7	895.5	1550.9	2075.8
548.7	547.7	550.6	549.7	549.7	549.7	548.7	547.7	55°	458.9	972.7	1712.3	2285.0
555.5	554.5	556.5	555.5	555.1	554.5	554.1	553.5	57.5°	468.7	1030.2	1869.6	2492.7
558.5	556.5	558.5	557.5	557.9	558.5	557.5	556.5	60°	478.5	1075.1	1960.7	2585.3
559.5	558.5	561.4	561.4	561.9	562.4	560.9	559.5	62.5°	473.0	1058.2	1986.1	2539.0
564.3	563.3	567.3	566.3	566.3	566.3	564.9	563.3	65°	451.9	969.8	1906.0	2379.0
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	394.4	815.4	1660.3	2126.4
								70°	327.1	640.0	1354.5	1810.5
								72.5°	275.2	478.5	1041.5	1402.2
								75°	228.8	338.2	732.7	965.7
								77.5°	169.8	230.1	530.4	675.1
								80°	113.6	141.8	338.2	471.6
								82.5°	68.8	82.8	195.1	329.9
								85°	37.9	51.9	119.4	216.1
								87.5°	9.8	11.2	26.7	9.8
								90°	0.0	0.0	0.0	0.0
								92.5°	0.0	0.0	0.0	0.0
								95°	1.0	1.0	1.0	1.0
								97.5°	5.9	4.9	4.4	4.0
								100°	27.9	26.5	26.1	25.5
								102.5°	48.1	47.1	47.6	48.1
								105°	68.7	67.7	68.7	69.7
								107.5°	89.8	89.3	89.8	90.3
								110°	111.4	110.9	111.4	111.9

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JLG

CANDELA DISTRIBUTION (continued):

270°	275°	280°	285°	290°	295°	300°		250°	255°	260°	265°	270°
981.1	981.1	981.1	981.1	981.1	981.1	981.1	112.5°	132.9	132.5	133.5	134.5	132.5
1090.5	1101.8	1115.9	1115.9	1132.7	1138.2	1149.5	115°	155.0	155.0	156.0	157.0	156.0
1107.4	1145.2	1180.4	1200.0	1233.7	1256.2	1278.6	117.5°	177.1	176.7	177.7	178.7	176.7
1038.6	1100.3	1157.9	1211.3	1267.4	1315.1	1350.2	120°	200.2	200.2	201.2	202.2	200.2
947.4	1013.4	1083.5	1155.1	1222.4	1289.9	1347.4	122.5°	224.3	224.8	226.7	228.7	227.7
882.9	953.0	1035.8	1097.5	1167.8	1235.1	1291.2	125°	249.3	249.3	250.8	252.2	251.3
853.4	925.0	1002.1	1065.3	1131.2	1186.0	1225.3	127.5°	272.4	272.8	274.3	275.8	272.8
868.8	955.8	1024.6	1078.0	1127.0	1152.3	1157.9	130°	295.9	296.4	297.9	299.3	297.4
936.1	1027.4	1078.0	1113.0	1121.4	1120.1	1099.0	132.5°	319.4	320.0	321.4	322.9	321.0
1041.5	1148.1	1183.2	1176.2	1141.0	1096.1	1061.1	135°	342.1	342.5	343.5	344.5	343.5
1183.2	1289.9	1309.5	1270.2	1191.6	1104.6	1045.6	137.5°	362.6	363.2	365.1	367.0	365.1
1332.0	1441.4	1434.4	1375.5	1263.2	1141.0	1047.1	140°	383.8	384.7	386.7	388.7	386.7
1437.2	1528.5	1500.3	1412.0	1287.0	1164.9	1065.3	142.5°	404.9	405.3	406.8	408.3	407.3
1546.7	1615.5	1564.9	1469.4	1340.5	1215.5	1113.0	145°	425.4	426.0	427.4	428.9	427.0
1664.6	1701.1	1619.6	1522.9	1404.9	1278.6	1167.8	147.5°	444.1	444.6	446.1	447.5	444.6
1778.3	1793.7	1675.8	1571.9	1456.9	1343.1	1242.2	150°	460.3	460.3	462.3	464.2	461.3
1900.4	1879.3	1734.8	1612.6	1499.0	1412.0	1329.1	152.5°	477.0	477.0	478.4	480.0	477.0
2005.6	1959.3	1789.5	1653.4	1550.9	1477.9	1420.4	155°	494.2	494.7	496.1	497.6	495.7
2084.2	2023.9	1841.4	1692.7	1601.5	1556.5	1528.5	157.5°	507.9	508.4	510.9	513.3	510.3
2151.6	2085.7	1882.2	1750.2	1671.7	1654.8	1664.6	160°	520.2	520.2	521.6	523.2	521.2
2235.8	2151.6	1936.8	1814.8	1767.1	1783.9	1840.1	162.5°	529.0	528.0	529.0	530.0	527.0
2366.3	2256.9	2028.1	1907.4	1884.9	1945.3	2052.0	165°	538.8	537.8	538.8	539.8	537.8
2576.9	2447.8	2189.5	2068.8	2042.2	2134.8	2287.7	167.5°	548.1	548.7	550.6	552.5	550.6
2759.3	2661.0	2402.9	2256.9	2245.7	2345.4	2512.3	170°	554.5	555.5	557.9	560.5	558.5
2842.1	2832.4	2623.2	2488.5	2471.7	2564.2	2722.9	172.5°	556.9	557.5	558.9	560.5	557.5
2835.1	2916.5	2802.8	2707.4	2649.9	2727.1	2881.4	175°	558.5	557.5	558.9	560.5	557.5
2732.6	2866.0	2875.8	2853.4	2749.5	2755.1	2864.7	177.5°	563.3	563.3	564.9	566.3	563.3
2532.1	2690.5	2856.3	2849.2	2717.2	2600.8	2623.2	180°	565.3	565.3	565.3	565.3	565.3
2247.1	2383.2	2647.0	2700.5	2512.3	2294.8	2192.3						
1800.7	1959.3	2351.0	2425.3	2168.5	1862.5	1703.8						
1242.2	1451.2	2052.0	2058.9	1760.0	1465.2	1294.1						
853.4	1033.1	1659.0	1677.2	1396.5	1111.7	964.2						
574.1	692.0	1216.8	1139.7	922.1	770.6	732.7						
362.1	430.8	765.0	714.4	607.7	555.8	569.9						
168.4	235.7	418.3	408.4	383.1	335.4	291.9						
4.2	12.7	81.4	53.3	53.3	30.9	11.2						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
1.0	1.0	1.0	1.0	1.0	1.0	1.0						
4.0	4.0	4.4	4.9	5.9	6.8	9.8						
24.5	25.5	26.1	26.5	27.9	29.5	30.5						
47.1	48.1	47.6	47.1	48.1	49.0	49.6						
67.7	69.7	68.7	67.7	68.7	69.7	69.7						
89.3	90.3	89.8	89.3	89.8	90.3	90.8						
110.9	111.9	111.4	110.9	111.4	111.9	111.9						



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CANDELA DISTRIBUTION (continued):

275°	280°	285°	290°	295°	300°		305°	310°	315°	325°	335°	340°
134.5	133.5	132.5	132.9	133.5	133.5	0°	981.1	981.1	981.1	981.1	981.1	981.1
157.0	156.0	155.0	155.0	155.0	155.0	2.5°	1139.7	1143.9	1142.5	1132.7	1107.4	1097.5
178.7	177.7	176.7	177.1	177.7	177.1	5°	1277.2	1284.3	1275.9	1252.0	1187.4	1156.5
202.2	201.2	200.2	200.2	200.2	200.2	7.5°	1374.0	1379.7	1365.6	1310.9	1195.8	1143.9
228.7	226.7	224.8	224.3	223.8	223.8	10°	1392.4	1404.9	1389.5	1310.9	1177.6	1113.0
252.2	250.8	249.3	249.3	249.3	248.8	12.5°	1340.5	1367.0	1355.8	1298.3	1169.1	1100.3
275.8	274.3	272.8	272.4	271.8	272.4	15°	1260.4	1263.2	1270.2	1268.8	1153.7	1086.3
299.3	297.9	296.4	295.9	295.5	295.5	17.5°	1172.0	1169.1	1177.6	1204.3	1149.5	1096.1
322.9	321.4	320.0	319.4	319.0	319.0	20°	1092.0	1087.8	1096.1	1122.8	1132.7	1120.1
344.5	343.5	342.5	342.1	341.5	341.5	22.5°	1041.5	1027.4	1026.0	1065.3	1141.0	1174.7
367.0	365.1	363.2	362.6	362.2	362.2	25°	1013.4	997.8	1004.9	1049.8	1176.2	1239.3
388.7	386.7	384.7	383.8	382.8	382.8	27.5°	1004.9	988.0	997.8	1048.4	1212.6	1317.9
408.3	406.8	405.3	404.9	404.3	404.3	30°	1010.5	993.7	997.8	1058.2	1230.9	1336.2
428.9	427.4	426.0	425.4	425.0	425.4	32.5°	1042.8	1013.4	1010.5	1087.8	1264.5	1376.8
447.5	446.1	444.6	444.1	443.7	444.6	35°	1086.3	1044.2	1038.6	1135.5	1308.1	1428.8
464.2	462.3	460.3	460.3	460.3	461.3	37.5°	1159.4	1107.4	1099.0	1215.5	1367.0	1472.3
480.0	478.4	477.0	477.0	477.0	477.4	40°	1257.5	1205.6	1205.6	1317.9	1447.0	1532.7
497.6	496.1	494.7	494.2	493.7	494.2	42.5°	1368.5	1334.7	1340.5	1441.4	1538.3	1608.4
513.3	510.9	508.4	507.9	507.5	508.4	45°	1515.8	1497.6	1525.6	1597.3	1631.0	1678.7
523.2	521.6	520.2	520.2	520.2	521.2	47.5°	1688.5	1703.8	1743.3	1765.7	1724.9	1750.2
530.0	529.0	528.0	529.0	530.0	531.0	50°	1904.6	1945.3	1983.2	1977.6	1841.4	1833.0
539.8	538.8	537.8	538.8	539.8	541.3	52.5°	2153.0	2206.3	2233.1	2202.1	1972.0	1922.8
552.5	550.6	548.7	548.1	547.7	548.7	55°	2405.8	2470.2	2461.9	2426.7	2113.7	2047.8
560.5	557.9	555.5	554.5	553.5	554.1	57.5°	2634.4	2684.9	2707.4	2631.7	2286.4	2199.3
560.5	558.9	557.5	556.9	556.5	557.5	60°	2815.5	2870.3	2870.3	2795.9	2474.4	2373.4
560.5	558.9	557.5	558.5	559.5	560.9	62.5°	2947.4	2991.0	2975.5	2904.0	2635.9	2558.6
566.3	564.9	563.3	563.3	563.3	564.9	65°	2937.5	2941.8	2925.0	2898.3	2732.6	2724.3
565.3	565.3	565.3	565.3	565.3	565.3	67.5°	2661.0	2662.5	2696.3	2684.9	2659.7	2763.5
						70°	2181.1	2203.5	2261.1	2244.2	2373.4	2586.7
						72.5°	1660.3	1674.4	1743.3	1727.8	1903.1	2137.6
						75°	1208.4	1207.1	1236.4	1214.1	1435.9	1696.9
						77.5°	930.6	905.3	899.7	902.4	1017.6	1233.7
						80°	750.9	750.9	742.4	711.5	623.2	721.4
						82.5°	599.3	575.5	533.3	473.0	400.0	426.7
						85°	299.0	290.5	254.0	210.6	175.5	233.0
						87.5°	1.3	0.0	0.0	0.0	0.0	0.0
						90°	0.0	0.0	0.0	0.0	0.0	0.0
						92.5°	0.0	0.0	0.0	0.0	0.0	0.0
						95°	1.0	1.0	1.0	1.0	1.0	1.0
						97.5°	12.8	10.8	8.8	4.0	3.0	2.4
						100°	31.4	30.5	29.5	21.6	13.7	11.8
						102.5°	50.0	49.6	49.0	44.2	37.3	34.3
						105°	69.7	69.2	68.7	64.8	59.8	57.4
						107.5°	91.3	90.3	89.3	86.3	82.5	80.5
						110°	111.9	110.9	110.0	108.0	104.0	102.6



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CANDELA DISTRIBUTION (continued):

342.5°	345°	347.5°	350°	352.5°		305°	310°	315°	325°	335°	340°	342.5°
981.1	981.1	981.1	981.1	981.1	112.5°	133.5	132.5	131.5	129.5	126.6	125.1	124.4
1093.3	1082.1	1069.5	1069.5	1058.2	115°	155.0	154.1	153.1	151.2	148.2	147.2	146.7
1138.2	1115.9	1097.5	1080.8	1064.0	117.5°	176.7	176.2	175.7	173.7	170.8	169.8	169.3
1115.9	1089.1	1066.6	1037.3	1010.5	120°	200.2	199.2	198.3	197.3	194.3	193.3	192.9
1082.1	1052.6	1020.4	989.6	951.7	122.5°	223.8	223.3	222.8	221.8	218.8	217.9	217.4
1064.0	1028.8	989.6	957.2	913.7	125°	248.3	247.8	247.3	246.3	243.4	242.9	242.6
1049.8	1013.4	978.3	947.4	909.5	127.5°	272.8	271.8	270.9	269.0	267.0	266.0	265.4
1072.3	1037.3	1011.9	976.9	947.4	130°	295.5	294.5	293.5	292.5	288.5	288.1	287.7
1110.1	1089.1	1069.5	1047.1	1023.2	132.5°	319.0	317.6	316.0	315.0	312.1	311.6	311.4
1181.8	1178.9	1177.6	1160.7	1143.9	135°	341.5	340.1	338.6	338.6	334.7	333.7	333.2
1271.6	1282.8	1298.3	1298.3	1298.3	137.5°	362.2	361.2	360.2	360.2	357.3	356.8	356.4
1364.3	1392.4	1421.7	1434.4	1442.9	140°	382.8	382.3	381.8	380.8	378.8	378.4	378.1
1390.8	1431.6	1477.9	1508.8	1529.8	142.5°	404.3	403.4	402.4	402.4	399.5	399.9	400.3
1434.4	1480.8	1532.7	1567.7	1605.6	145°	426.0	425.0	424.0	423.0	420.0	420.0	420.0
1486.3	1527.1	1580.4	1628.1	1682.9	147.5°	445.6	445.1	444.6	443.7	439.7	439.2	438.9
1529.8	1583.3	1640.8	1702.5	1772.6	150°	462.3	461.8	461.3	460.3	456.4	455.9	455.6
1595.7	1651.9	1715.1	1798.0	1883.6	152.5°	478.0	477.4	477.0	476.0	473.0	473.6	473.9
1668.8	1729.1	1795.2	1878.0	1977.6	155°	494.7	494.2	493.7	493.7	491.7	492.2	492.5
1731.9	1785.3	1856.9	1942.5	2056.2	157.5°	509.4	509.4	509.4	509.4	506.5	506.9	507.3
1792.3	1841.4	1925.7	2012.7	2124.9	160°	522.2	522.2	522.2	522.2	519.2	519.2	519.2
1872.2	1910.2	1994.5	2094.1	2213.3	162.5°	532.0	531.4	531.0	531.0	528.0	528.6	528.8
1955.1	2007.0	2099.7	2213.3	2346.7	165°	542.8	542.3	541.8	541.8	537.8	538.4	538.6
2067.4	2129.2	2242.9	2372.0	2540.4	167.5°	549.7	549.7	549.7	550.6	547.7	548.1	548.4
2221.8	2286.4	2407.1	2551.6	2724.3	170°	554.5	555.1	555.5	556.5	554.5	555.1	555.3
2411.3	2474.4	2578.2	2721.4	2882.9	172.5°	558.5	557.9	557.5	558.5	556.5	557.5	557.9
2588.2	2675.2	2769.1	2875.8	3003.6	175°	562.4	561.9	561.4	561.4	558.5	558.9	559.3
2780.4	2847.8	2926.4	2967.1	3038.7	177.5°	566.3	566.3	566.3	567.3	563.3	563.9	564.1
2836.6	2892.7	2961.4	2961.4	2953.1	180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3
2670.9	2756.6	2816.8	2816.8	2745.3								
2322.8	2465.9	2525.0	2561.4	2470.2								
1887.8	2066.0	2162.8	2193.8	2028.1								
1385.3	1499.0	1511.6	1515.8	1292.6								
798.6	888.4	920.8	967.0	774.8								
463.2	496.9	551.6	571.2	471.6								
259.7	262.5	262.5	242.8	197.9								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
1.0	1.0	1.0	1.0	1.0								
2.2	2.0	2.0	2.0	2.0								
10.8	9.8	9.3	8.8	8.4								
32.9	31.4	30.5	29.5	28.5								
56.1	55.0	54.4	54.0	53.4								
79.5	78.5	77.7	77.1	76.4								
101.9	101.1	100.9	100.6	100.3								

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CANDELA DISTRIBUTION (continued):

345°	347.5°	350°	352.5°		355°	359°	360°
123.7	123.2	122.7	122.2	0°	981.1	981.1	981.1
146.2	145.7	145.3	144.8	2.5°	1055.5	1038.6	1041.5
168.8	168.3	167.8	167.4	5°	1040.0	1016.2	1007.8
192.3	192.1	191.9	191.6	7.5°	986.7	945.9	933.4
216.9	216.7	216.4	216.1	10°	922.1	870.2	860.4
242.5	242.3	241.9	241.6	12.5°	885.5	826.7	814.0
265.0	264.8	264.6	264.2	15°	874.4	818.3	804.3
287.5	287.4	287.1	286.8	17.5°	908.1	847.7	830.9
311.2	310.4	309.6	308.9	20°	985.4	913.7	894.0
332.7	332.2	331.7	331.3	22.5°	1100.3	1018.9	995.1
356.3	355.5	354.8	354.1	25°	1256.2	1163.6	1139.7
377.8	377.4	376.9	376.4	27.5°	1416.2	1305.2	1274.4
400.5	399.9	399.5	398.9	30°	1508.8	1406.4	1375.5
420.0	419.6	419.1	418.6	32.5°	1602.8	1504.6	1468.1
438.7	437.9	437.3	436.6	35°	1702.5	1602.8	1566.4
455.4	454.9	454.5	453.9	37.5°	1819.0	1734.8	1702.5
474.0	473.2	472.6	471.9	40°	1957.9	1880.7	1834.4
492.7	492.2	491.7	491.2	42.5°	2073.0	2001.4	1957.9
507.5	506.9	506.5	505.9	45°	2157.2	2096.8	2052.0
519.2	518.7	518.2	517.7	47.5°	2234.4	2188.1	2143.2
529.0	528.2	527.6	526.9	50°	2331.3	2291.9	2261.1
538.8	538.4	537.8	537.4	52.5°	2461.9	2447.8	2421.1
548.7	547.9	547.2	546.5	55°	2654.1	2684.9	2647.0
555.5	554.7	554.1	553.4	57.5°	2836.6	2858.9	2842.1
558.5	557.7	556.9	556.3	60°	2979.7	2948.9	2927.8
559.5	559.3	558.9	558.7	62.5°	3052.7	2976.9	2941.8
564.3	563.9	563.3	562.9	65°	3056.9	2940.4	2887.1
565.3	565.3	565.3	565.3	67.5°	2961.4	2825.3	2763.5
				70°	2704.5	2547.4	2465.9
				72.5°	2272.4	2030.9	1976.2
				75°	1666.0	1369.8	1337.6
				77.5°	1009.2	787.4	745.2
				80°	568.4	451.9	437.9
				82.5°	322.9	254.0	268.1
				85°	131.9	65.9	73.0
				87.5°	0.0	0.0	0.0
				90°	0.0	0.0	0.0
				92.5°	0.0	0.0	0.0
				95°	1.0	1.0	1.0
				97.5°	2.0	2.0	2.0
				100°	7.8	7.8	7.8
				102.5°	27.5	27.5	27.5
				105°	53.0	53.0	53.0
				107.5°	75.5	76.4	76.5
				110°	100.1	99.4	99.2

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CANDELA DISTRIBUTION (continued):

	355°	359°	360°
112.5°	121.7	121.7	121.7
115°	144.3	143.5	143.3
117.5°	166.8	166.1	165.8
120°	191.4	189.8	189.5
122.5°	216.0	215.1	215.0
125°	241.5	239.8	239.5
127.5°	264.0	262.5	262.0
130°	286.6	285.0	284.7
132.5°	308.2	307.4	307.2
135°	330.8	329.9	329.8
137.5°	353.3	352.6	352.3
140°	375.9	375.1	375.0
142.5°	398.5	396.9	396.5
145°	418.1	417.4	417.2
147.5°	435.8	435.8	435.8
150°	453.5	452.7	452.5
152.5°	471.1	470.4	470.2
155°	490.7	489.9	489.8
157.5°	505.5	503.9	503.5
160°	517.2	515.6	515.3
162.5°	526.0	525.3	525.1
165°	536.8	536.1	535.9
167.5°	545.7	544.9	544.7
170°	552.5	551.8	551.6
172.5°	555.5	554.7	554.5
175°	558.5	556.9	556.5
177.5°	562.4	561.6	561.4
180°	565.3	565.3	565.3

(END OF REPORT)