

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: P271616

Luminaire Tested: **ISS-AF-1200-LED-E1-SLR-7027-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271616  
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-1200-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: 6167.8 lumens  
Efficiency: N/A  
Efficacy: 74.6 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 - G2

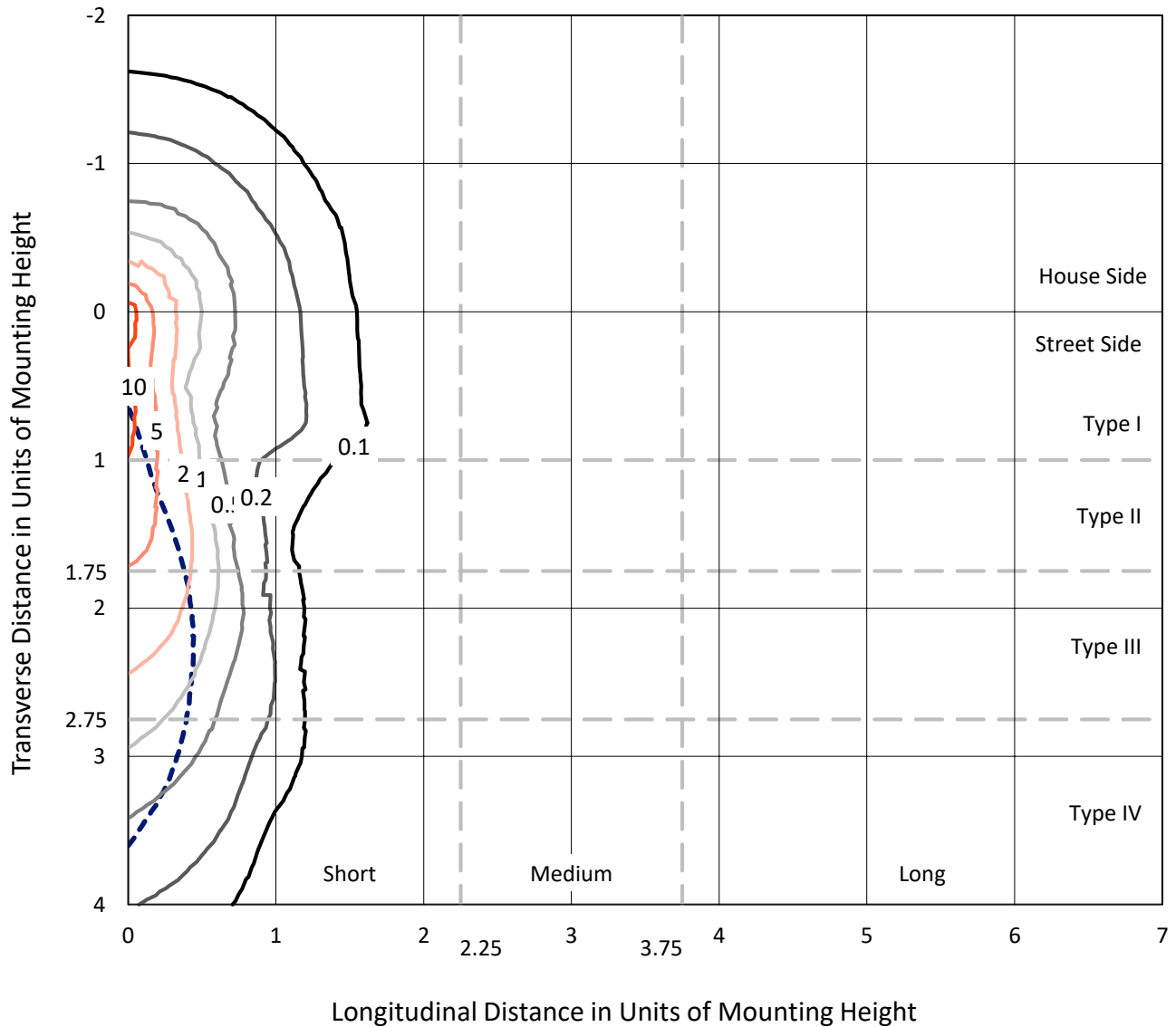
Input Watts (W): 82.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

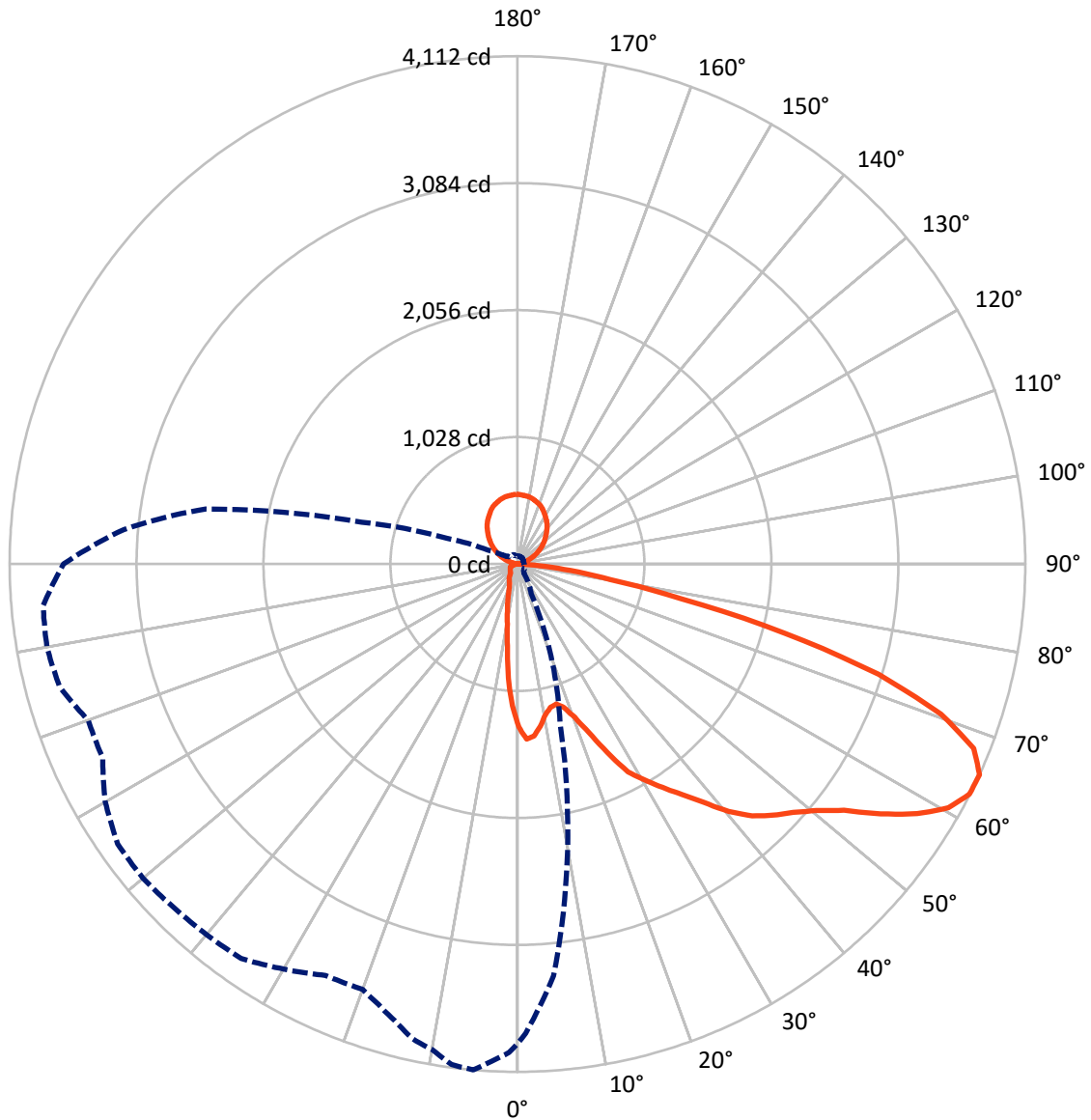


Based on 10 foot mounting height. Maximum calculated value = 13.2 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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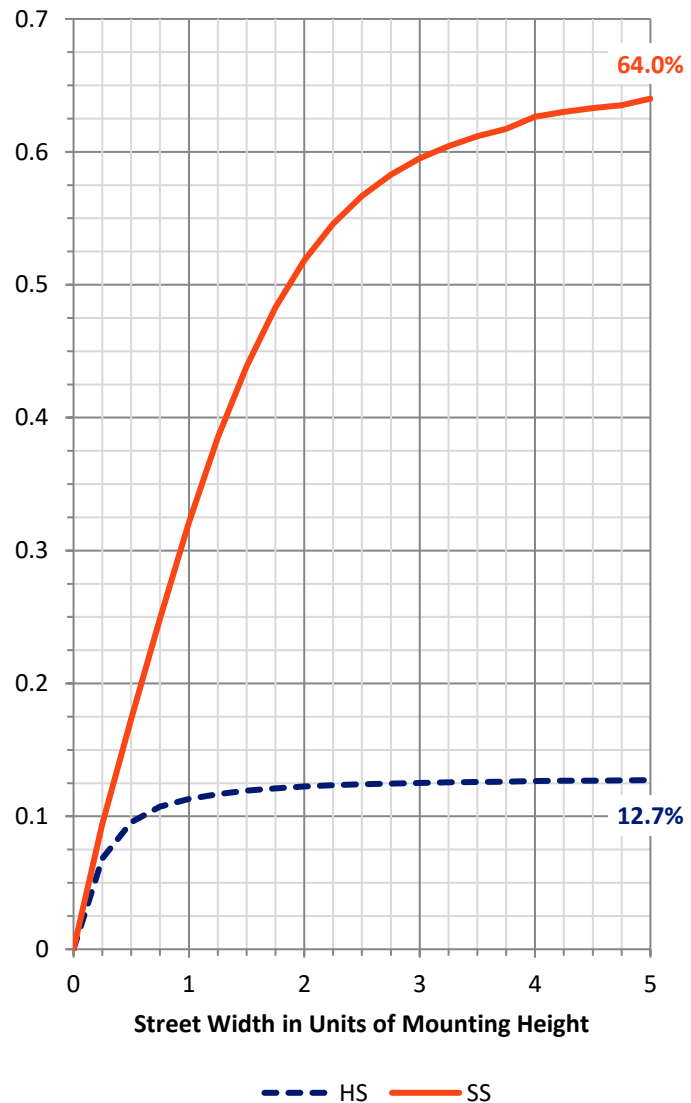
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	792.8	699.9	1492.7
	% Fixture	12.9	11.3	24.2
<b>Street Side</b>	Lumens	3975.2	699.9	4675.1
	% Fixture	64.5	11.3	75.8
<b>Total</b>	Lumens	4768.0	1399.8	6167.8
	% Fixture	77.3	22.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.3	1.6
10°-20°	208.8	3.4
20°-30°	303.5	4.9
30°-40°	448.9	7.3
40°-50°	654.0	10.6
50°-60°	980.4	15.9
60°-70°	1221.7	19.8
70°-80°	715.7	11.6
80°-90°	133.8	2.2
90°-100°	4.7	0.1
100°-110°	67.7	1.1
110°-120°	150.2	2.4
120°-130°	219.7	3.6
130°-140°	260.7	4.2
140°-150°	264.3	4.3
150°-160°	226.8	3.7
160°-170°	152.2	2.5
170°-180°	53.3	0.9
0°-90°	4768.0	77.3
0°-180°	6167.8	100.0



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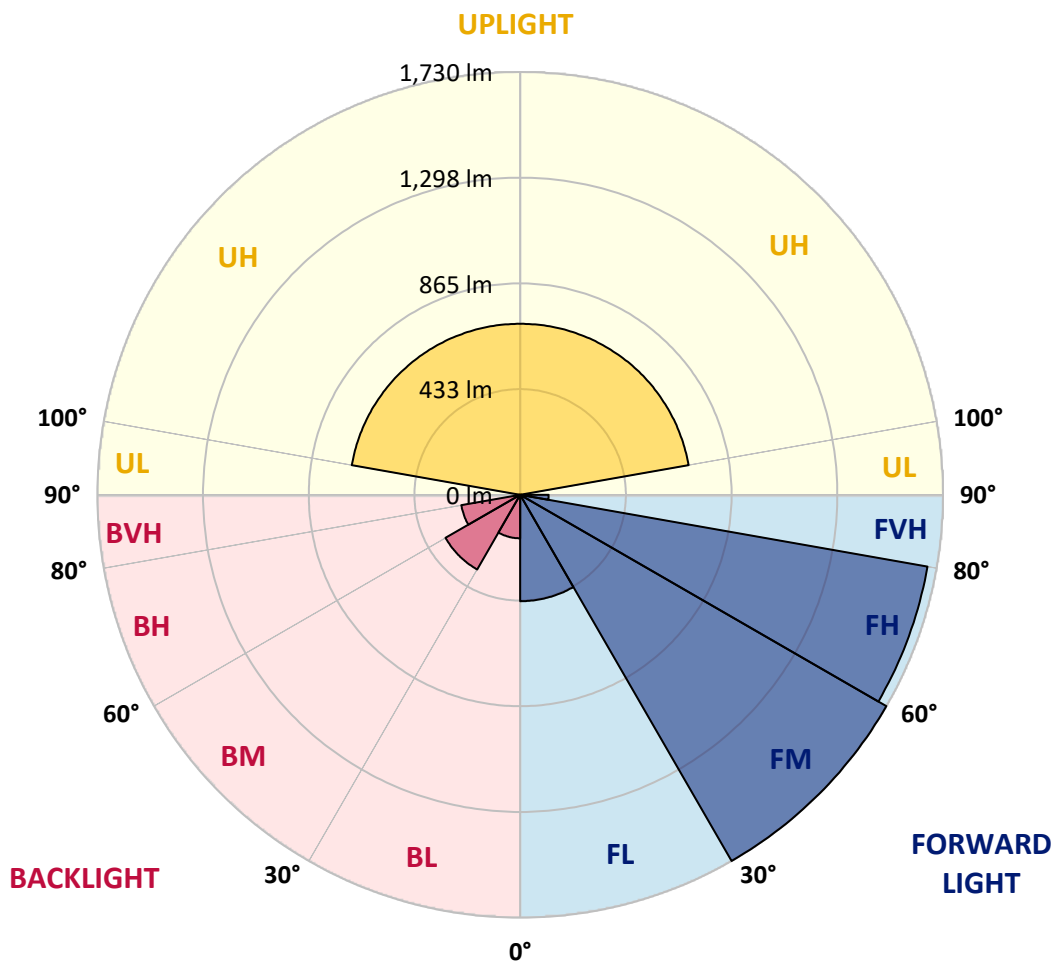
CATALOG NUMBER: ISS-AF-1200-LED-E1-SLR-7027-ULG

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	435.6	7.1			
FM	(30°-60°)	1730.4	28.1			
FH	(60°-80°)	1692.6	27.4			G1/1800
FVH	(80°-90°)	116.6	1.9			G2/225
BL	(0°-30°)	178.0	2.9	B1/500		
BM	(30°-60°)	352.9	5.7	B1/1000		
BH	(60°-80°)	244.7	4.0	B1/500		G1/500
BVH	(80°-90°)	17.2	0.3			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	699.9	11.3		U4/1000	

**BUG Rating: B1-U5-G2**

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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1400.6	1389.4	1366.7	1321.4	1274.2	1228.9	1221.3	1204.4	1206.2	1196.8	1192.9
5°	1355.4	1340.3	1293.1	1198.7	1117.5	1034.5	1028.8	994.9	998.6	977.9	966.5
7.5°	1255.3	1234.6	1181.7	1051.5	938.2	828.7	817.4	777.8	772.0	751.3	734.4
10°	1157.2	1136.4	1070.3	921.2	791.0	709.8	696.5	677.7	662.6	653.2	636.2
12.5°	1094.9	1083.5	1004.2	832.5	730.5	664.5	647.5	628.6	613.5	596.6	579.6
15°	1081.6	1059.0	977.9	804.2	685.2	604.1	583.3	562.5	545.5	528.6	503.9
17.5°	1117.5	1094.9	1004.2	791.0	634.2	536.1	509.7	481.3	464.3	443.7	417.3
20°	1202.5	1166.6	1055.1	772.0	579.6	456.8	424.7	390.8	371.9	336.1	317.1
22.5°	1338.4	1293.1	1142.0	772.0	528.6	373.8	337.9	307.7	286.9	254.8	234.1
25°	1532.8	1493.2	1283.7	792.8	483.3	304.0	268.1	237.8	217.1	194.4	181.2
27.5°	1714.1	1651.7	1434.6	823.0	447.4	254.8	219.0	194.4	179.3	168.1	160.4
30°	1850.0	1798.9	1566.8	843.8	394.5	213.3	190.7	175.6	168.1	162.3	158.6
32.5°	1974.6	1916.1	1661.1	857.1	362.5	181.2	160.4	149.1	141.6	134.0	132.1
35°	2106.6	2050.0	1772.5	855.2	341.6	166.2	145.3	132.1	124.5	122.7	118.9
37.5°	2289.8	2212.3	1900.9	855.2	334.1	160.4	135.9	122.7	117.0	113.3	111.4
40°	2467.3	2380.4	2042.5	860.8	326.5	156.7	135.9	122.7	113.3	109.5	105.7
42.5°	2633.3	2537.0	2170.8	870.3	322.9	145.3	128.4	120.8	117.0	109.5	103.8
45°	2759.9	2684.3	2270.9	889.1	322.9	137.8	120.8	115.2	113.3	113.3	111.4
47.5°	2882.5	2797.6	2386.1	925.0	328.5	132.1	115.2	107.5	107.5	107.5	109.5
50°	3041.1	2941.1	2544.6	998.6	328.5	130.3	109.5	102.0	100.0	103.8	103.8
52.5°	3256.3	3184.5	2776.8	1104.3	324.6	128.4	107.5	96.3	94.4	96.3	100.0
55°	3560.3	3479.0	3058.1	1234.6	321.0	124.5	103.8	94.4	90.5	88.8	90.5
57.5°	3822.6	3752.8	3316.7	1338.4	311.4	115.2	100.0	92.4	86.9	84.9	83.0
60°	3937.7	3879.2	3482.8	1408.3	294.5	105.7	94.4	88.8	83.0	81.2	79.3
62.5°	3956.7	3883.0	3484.6	1423.4	275.6	96.3	88.8	83.0	79.3	77.4	75.5
65°	3883.0	3799.9	3346.8	1330.7	260.5	96.3	84.9	79.3	73.6	71.8	69.9
67.5°	3716.8	3588.5	2997.6	1128.8	247.3	98.2	83.0	73.6	69.9	67.9	66.0
70°	3316.7	3173.3	2531.4	896.7	241.6	100.0	83.0	69.9	64.2	62.3	62.3
72.5°	2657.8	2493.7	1974.6	675.7	232.2	102.0	81.2	66.0	60.4	56.6	56.6
75°	1798.9	1655.6	1338.4	456.8	192.6	88.8	73.6	60.4	52.9	49.0	47.3
77.5°	1002.4	955.2	851.3	241.6	122.7	66.0	56.6	49.0	43.4	41.5	39.6
80°	589.0	564.5	502.2	134.0	75.5	37.8	34.0	32.1	28.3	28.3	28.3
82.5°	360.6	336.1	311.4	60.4	35.8	18.9	18.9	15.1	15.1	13.3	13.3
85°	98.2	90.5	126.5	13.3	3.8	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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1177.9	1174.2	1174.2	1145.9	1145.9	1130.8	1126.9	1126.9	1132.7	1128.8	1106.3
5°	947.6	936.3	928.8	894.8	885.3	868.3	860.8	858.9	864.6	855.2	824.9
7.5°	713.5	704.1	692.9	666.4	655.0	653.2	630.5	624.8	621.1	613.5	594.6
10°	623.0	609.7	600.2	581.5	568.2	558.7	539.9	530.4	522.9	511.6	505.8
12.5°	560.6	547.4	534.2	509.7	492.7	481.3	470.0	451.2	443.7	430.4	422.8
15°	483.3	468.2	453.0	426.7	404.0	392.6	370.0	358.6	351.1	336.1	328.5
17.5°	388.9	368.0	351.1	326.5	315.2	296.4	283.1	264.3	249.2	243.5	237.8
20°	292.6	273.7	258.6	237.8	226.6	211.4	203.8	190.7	183.2	179.3	175.6
22.5°	215.2	200.1	190.7	179.3	173.6	168.1	164.2	160.4	156.7	154.8	154.8
25°	169.9	164.2	160.4	156.7	154.8	152.9	149.1	147.2	145.3	143.5	143.5
27.5°	154.8	151.1	149.1	147.2	145.3	141.6	141.6	137.8	135.9	135.9	134.0
30°	156.7	156.7	156.7	152.9	151.1	147.2	145.3	139.7	135.9	132.1	130.3
32.5°	128.4	128.4	126.5	122.7	120.8	118.9	118.9	115.2	113.3	113.3	117.0
35°	117.0	115.2	113.3	109.5	107.5	103.8	102.0	100.0	98.2	96.3	96.3
37.5°	111.4	109.5	107.5	103.8	102.0	100.0	98.2	94.4	92.4	92.4	90.5
40°	105.7	105.7	105.7	102.0	100.0	96.3	94.4	92.4	90.5	88.8	88.8
42.5°	102.0	102.0	102.0	100.0	98.2	96.3	92.4	90.5	88.8	86.9	84.9
45°	103.8	102.0	102.0	100.0	98.2	94.4	92.4	88.8	86.9	84.9	83.0
47.5°	111.4	109.5	105.7	102.0	98.2	94.4	90.5	86.9	84.9	83.0	81.2
50°	105.7	113.3	115.2	109.5	100.0	94.4	90.5	86.9	83.0	81.2	79.3
52.5°	103.8	105.7	113.3	113.3	103.8	96.3	90.5	86.9	83.0	79.3	77.4
55°	94.4	100.0	102.0	103.8	102.0	94.4	88.8	83.0	81.2	77.4	73.6
57.5°	83.0	86.9	88.8	92.4	94.4	92.4	84.9	79.3	77.4	73.6	69.9
60°	77.4	77.4	77.4	79.3	88.8	96.3	88.8	77.4	71.8	69.9	66.0
62.5°	71.8	71.8	69.9	71.8	73.6	83.0	81.2	73.6	69.9	67.9	64.2
65°	69.9	67.9	66.0	66.0	66.0	66.0	66.0	66.0	64.2	64.2	62.3
67.5°	64.2	62.3	62.3	60.4	60.4	60.4	60.4	60.4	58.5	58.5	56.6
70°	60.4	58.5	56.6	56.6	56.6	54.8	54.8	54.8	52.9	52.9	52.9
72.5°	54.8	52.9	52.9	52.9	50.9	50.9	50.9	49.0	49.0	47.3	47.3
75°	47.3	47.3	45.4	45.4	45.4	43.4	43.4	43.4	43.4	41.5	41.5
77.5°	39.6	37.8	39.6	37.8	37.8	37.8	37.8	37.8	35.8	35.8	34.0
80°	26.4	26.4	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	26.4
82.5°	15.1	13.3	15.1	15.1	15.1	17.0	17.0	18.9	17.0	17.0	15.1
85°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	3.8	3.8	3.8	3.8
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



REPORT NUMBER: P271616

CATALOG NUMBER: ISS-AF-1200-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



REPORT NUMBER: P271616

CATALOG NUMBER: ISS-AF-1200-LED-E1-SLR-7027-ULG

**CANDELA DISTRIBUTION (continued):**

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1117.5	1115.7	1096.7	1100.5	1094.9	1083.5	1085.4	1087.3	1091.1	1083.5	1079.8
5°	840.1	841.9	817.4	824.9	819.3	817.4	823.0	832.5	838.2	836.2	830.7
7.5°	596.6	598.5	577.6	575.7	570.1	568.2	575.7	585.2	590.8	589.0	590.8
10°	492.7	487.0	468.2	454.9	441.8	430.4	428.5	428.5	428.5	424.7	420.9
12.5°	407.7	402.1	379.4	368.0	356.8	341.6	339.8	337.9	332.2	326.5	319.0
15°	317.1	311.4	292.6	285.0	275.6	269.9	268.1	268.1	264.3	260.5	256.7
17.5°	230.2	226.6	215.2	207.7	205.7	207.7	209.6	213.3	215.2	217.1	217.1
20°	173.6	171.8	168.1	168.1	169.9	175.6	177.4	183.2	185.1	188.7	192.6
22.5°	152.9	152.9	151.1	151.1	154.8	160.4	164.2	166.2	168.1	169.9	169.9
25°	141.6	141.6	139.7	143.5	149.1	149.1	149.1	149.1	145.3	143.5	143.5
27.5°	134.0	134.0	134.0	135.9	134.0	132.1	132.1	132.1	130.3	130.3	128.4
30°	128.4	128.4	128.4	126.5	126.5	124.5	124.5	122.7	122.7	120.8	120.8
32.5°	118.9	115.2	118.9	115.2	115.2	113.3	115.2	115.2	111.4	111.4	111.4
35°	94.4	92.4	92.4	92.4	90.5	92.4	96.3	96.3	96.3	96.3	96.3
37.5°	88.8	88.8	86.9	84.9	84.9	83.0	84.9	83.0	83.0	83.0	84.9
40°	86.9	84.9	83.0	83.0	81.2	79.3	79.3	79.3	79.3	79.3	79.3
42.5°	83.0	83.0	79.3	77.4	77.4	75.5	75.5	75.5	75.5	75.5	75.5
45°	81.2	79.3	77.4	75.5	73.6	73.6	73.6	73.6	73.6	73.6	71.8
47.5°	79.3	77.4	75.5	73.6	71.8	69.9	69.9	69.9	69.9	69.9	69.9
50°	77.4	75.5	71.8	71.8	69.9	67.9	67.9	67.9	67.9	67.9	67.9
52.5°	73.6	73.6	69.9	67.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
55°	69.9	69.9	66.0	64.2	62.3	62.3	62.3	62.3	64.2	64.2	64.2
57.5°	67.9	66.0	62.3	62.3	58.5	58.5	58.5	60.4	60.4	62.3	62.3
60°	64.2	62.3	60.4	58.5	58.5	56.6	56.6	56.6	56.6	58.5	58.5
62.5°	62.3	60.4	56.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
65°	58.5	58.5	54.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
67.5°	54.8	54.8	50.9	49.0	49.0	49.0	50.9	49.0	49.0	49.0	49.0
70°	50.9	49.0	47.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
72.5°	45.4	45.4	43.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	43.4
75°	39.6	37.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
77.5°	34.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	32.1
80°	24.5	22.6	22.6	22.6	22.6	24.5	24.5	24.5	24.5	24.5	24.5
82.5°	15.1	13.3	13.3	13.3	15.1	17.0	17.0	17.0	17.0	18.9	18.9
85°	3.8	3.8	3.8	3.8	7.5	9.4	9.4	9.4	11.3	9.4	9.4
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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REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°	115°	115°
1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	112.5°	133.5
1076.0	1098.6	1098.6	1083.5	1091.1	1083.5	1081.6	1094.9	1102.4	1126.9	1142.0	115°	155.0
832.5	860.8	862.7	855.2	864.6	858.9	864.6	881.6	894.8	911.8	926.9	117.5°	177.7
594.6	621.1	626.7	621.1	638.1	636.2	640.0	658.7	670.1	679.6	681.5	120°	200.2
419.1	422.8	437.9	434.2	445.5	443.7	449.3	464.3	479.4	485.2	488.9	122.5°	223.8
315.2	311.4	317.1	309.6	315.2	315.2	317.1	326.5	345.5	353.0	371.9	125°	249.3
254.8	251.1	251.1	247.3	247.3	245.3	247.3	254.8	268.1	279.5	294.5	127.5°	271.8
217.1	217.1	217.1	215.2	213.3	213.3	215.2	219.0	226.6	234.1	241.6	130°	295.5
194.4	198.2	200.1	202.0	203.8	205.7	207.7	213.3	211.4	203.8	194.4	132.5°	319.0
169.9	169.9	171.8	171.8	169.9	169.9	169.9	169.9	169.9	175.6	181.2	135°	341.5
141.6	141.6	141.6	143.5	141.6	141.6	143.5	143.5	145.3	149.1	154.8	137.5°	362.2
128.4	128.4	128.4	128.4	128.4	128.4	128.4	130.3	132.1	137.8	141.6	140°	382.8
118.9	118.9	117.0	117.0	117.0	115.2	117.0	117.0	118.9	126.5	132.1	142.5°	404.3
109.5	107.5	107.5	107.5	105.7	105.7	105.7	109.5	111.4	115.2	120.8	145°	425.0
96.3	96.3	96.3	98.2	98.2	98.2	98.2	102.0	102.0	103.8	103.8	147.5°	443.7
86.9	86.9	88.8	90.5	90.5	92.4	92.4	94.4	96.3	94.4	92.4	150°	460.3
79.3	81.2	81.2	84.9	84.9	84.9	86.9	88.8	90.5	86.9	86.9	152.5°	477.0
75.5	75.5	75.5	77.4	77.4	77.4	79.3	81.2	83.0	83.0	83.0	155°	493.7
71.8	71.8	71.8	73.6	71.8	71.8	71.8	73.6	77.4	77.4	79.3	157.5°	507.5
69.9	69.9	69.9	67.9	67.9	67.9	67.9	69.9	71.8	75.5	77.4	160°	520.2
67.9	66.0	66.0	66.0	66.0	66.0	66.0	67.9	69.9	71.8	75.5	162.5°	530.0
64.2	64.2	64.2	64.2	64.2	64.2	64.2	66.0	67.9	69.9	71.8	165°	539.8
64.2	64.2	62.3	62.3	64.2	64.2	64.2	66.0	67.9	69.9	69.9	167.5°	547.7
62.3	60.4	60.4	62.3	62.3	62.3	62.3	64.2	66.0	67.9	67.9	170°	553.5
58.5	58.5	58.5	58.5	60.4	60.4	62.3	64.2	64.2	66.0	66.0	172.5°	556.5
54.8	56.6	56.6	56.6	58.5	58.5	60.4	62.3	64.2	66.0	64.2	175°	559.5
52.9	54.8	54.8	54.8	56.6	56.6	56.6	60.4	62.3	62.3	64.2	177.5°	563.3
50.9	50.9	50.9	52.9	52.9	54.8	54.8	58.5	58.5	60.4	62.3	180°	565.3
47.3	47.3	47.3	49.0	49.0	50.9	52.9	54.8	54.8	56.6	58.5		
43.4	43.4	43.4	45.4	45.4	47.3	49.0	52.9	50.9	52.9	52.9		
37.8	37.8	39.6	39.6	41.5	43.4	45.4	45.4	45.4	45.4	45.4		
32.1	32.1	34.0	34.0	35.8	37.8	37.8	37.8	39.6	37.8	37.8		
26.4	26.4	28.3	28.3	28.3	28.3	30.3	28.3	30.3	28.3	30.3		
18.9	18.9	20.8	18.9	20.8	18.9	18.9	17.0	20.8	18.9	18.9		
7.5	9.4	9.4	9.4	9.4	7.5	7.5	5.7	7.5	7.5	5.7		
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°	1319.5	1319.5
155.0	155.0	155.0	155.0	154.6	154.1	153.1	151.2	148.2	146.2	2.5°	1147.8	1145.9
177.4	177.1	176.9	176.7	176.4	176.2	175.7	173.7	170.8	168.8	5°	928.8	925.0
200.2	200.2	200.2	200.2	199.7	199.2	198.3	197.3	194.3	192.3	7.5°	664.5	656.9
223.8	223.8	223.8	223.8	223.6	223.3	222.8	221.8	218.8	216.9	10°	490.8	496.4
249.1	248.8	248.5	248.3	248.1	247.8	247.3	246.3	243.4	242.5	12.5°	392.6	415.3
272.1	272.4	272.6	272.8	272.4	271.8	270.9	269.0	267.0	265.0	15°	315.2	328.5
295.5	295.5	295.5	295.5	294.9	294.5	293.5	292.5	288.5	287.5	17.5°	243.5	249.2
319.0	319.0	319.0	319.0	318.2	317.6	316.0	315.0	312.1	311.2	20°	194.4	194.4
341.5	341.5	341.5	341.5	340.7	340.1	338.6	338.6	334.7	332.7	22.5°	169.9	168.1
362.2	362.2	362.2	362.2	361.7	361.2	360.2	360.2	357.3	356.3	25°	160.4	158.6
382.8	382.8	382.8	382.8	382.6	382.3	381.8	380.8	378.8	377.8	27.5°	145.3	147.2
404.3	404.3	404.3	404.3	403.9	403.4	402.4	402.4	399.5	400.5	30°	135.9	137.8
425.2	425.4	425.8	426.0	425.4	425.0	424.0	423.0	420.0	420.0	32.5°	124.5	126.5
444.1	444.6	445.1	445.6	445.4	445.1	444.6	443.7	439.7	438.7	35°	102.0	102.0
460.8	461.3	461.8	462.3	462.1	461.8	461.3	460.3	456.4	455.4	37.5°	94.4	94.4
477.2	477.4	477.8	478.0	477.8	477.4	477.0	476.0	473.0	474.0	40°	88.8	90.5
493.9	494.2	494.4	494.7	494.4	494.2	493.7	493.7	491.7	492.7	42.5°	84.9	84.9
507.9	508.4	508.9	509.4	509.4	509.4	509.4	509.4	506.5	507.5	45°	81.2	83.0
520.7	521.2	521.6	522.2	522.2	522.2	522.2	522.2	519.2	519.2	47.5°	79.3	79.3
530.4	531.0	531.4	532.0	531.8	531.4	531.0	531.0	528.0	529.0	50°	75.5	77.4
540.6	541.3	541.9	542.8	542.6	542.3	541.8	541.8	537.8	538.8	52.5°	73.6	75.5
548.1	548.7	549.1	549.7	549.7	549.7	549.7	550.6	547.7	548.7	55°	71.8	71.8
553.7	554.1	554.3	554.5	554.7	555.1	555.5	556.5	554.5	555.5	57.5°	67.9	69.9
556.9	557.5	557.9	558.5	558.3	557.9	557.5	558.5	556.5	558.5	60°	67.9	67.9
560.3	560.9	561.6	562.4	562.2	561.9	561.4	561.4	558.5	559.5	62.5°	66.0	66.0
564.1	564.9	565.6	566.3	566.3	566.3	566.3	567.3	563.3	564.3	65°	64.2	64.2
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	60.4	60.4
										70°	56.6	56.6
										72.5°	52.9	50.9
										75°	45.4	45.4
										77.5°	37.8	37.8
										80°	28.3	26.4
										82.5°	17.0	15.1
										85°	5.7	5.7
										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°
1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	112.5°	121.7	121.7	121.7
1174.2	1194.9	1208.1	1259.2	1281.7	1310.1	1323.2	1342.2	1361.0	115°	144.3	143.3	144.3
958.9	985.4	1008.1	1081.6	1125.0	1164.7	1196.8	1227.1	1270.5	117.5°	166.8	165.8	166.8
679.6	702.3	732.4	811.7	887.3	940.1	987.2	1038.2	1094.9	120°	191.4	189.5	191.4
519.1	553.1	592.7	653.2	713.5	751.3	792.8	849.4	917.3	122.5°	216.0	215.0	216.0
434.2	475.7	522.9	590.8	655.0	685.2	715.4	743.8	779.5	125°	241.5	239.5	241.5
343.5	383.1	439.8	519.1	594.6	628.6	664.5	698.4	730.5	127.5°	264.0	262.0	264.0
256.7	285.0	336.1	430.4	513.4	556.9	598.5	645.6	689.0	130°	286.6	284.7	286.6
196.3	209.6	245.3	319.0	420.9	475.7	528.6	589.0	651.2	132.5°	308.2	307.2	308.2
169.9	175.6	192.6	236.0	328.5	392.6	460.7	536.1	613.5	135°	330.8	329.8	330.8
156.7	160.4	169.9	190.7	256.7	324.6	394.5	485.2	579.6	137.5°	353.3	352.3	353.3
149.1	152.9	160.4	171.8	213.3	264.3	341.6	441.8	555.1	140°	375.9	375.0	375.9
139.7	143.5	156.7	169.9	194.4	226.6	292.6	390.8	517.2	142.5°	398.5	396.5	398.5
128.4	130.3	134.0	149.1	166.2	192.6	249.2	345.5	477.6	145°	418.1	417.2	418.1
103.8	109.5	117.0	132.1	149.1	169.9	222.8	315.2	453.0	147.5°	435.8	435.8	435.8
96.3	102.0	109.5	122.7	137.8	156.7	211.4	304.0	430.4	150°	453.5	452.5	453.5
90.5	96.3	103.8	118.9	128.4	151.1	205.7	286.9	407.7	152.5°	471.1	470.2	471.1
86.9	92.4	102.0	113.3	126.5	147.2	190.7	271.8	394.5	155°	490.7	489.8	490.7
83.0	88.8	100.0	109.5	128.4	139.7	181.2	260.5	383.1	157.5°	505.5	503.5	505.5
81.2	86.9	98.2	111.4	124.5	132.1	171.8	251.1	373.8	160°	517.2	515.3	517.2
79.3	84.9	96.3	122.7	118.9	126.5	164.2	243.5	368.0	162.5°	526.0	525.1	526.0
77.4	83.0	96.3	124.5	115.2	118.9	158.6	236.0	364.4	165°	536.8	535.9	536.8
73.6	81.2	96.3	115.2	107.5	115.2	147.2	224.7	354.9	167.5°	545.7	544.7	545.7
71.8	77.4	94.4	105.7	102.0	109.5	135.9	205.7	341.6	170°	552.5	551.6	552.5
69.9	75.5	94.4	94.4	96.3	103.8	122.7	183.2	319.0	172.5°	555.5	554.5	555.5
67.9	75.5	96.3	84.9	90.5	98.2	113.3	164.2	290.7	175°	558.5	556.5	558.5
66.0	71.8	83.0	81.2	86.9	92.4	109.5	151.1	266.2	177.5°	562.4	561.4	562.4
62.3	67.9	73.6	75.5	83.0	88.8	107.5	149.1	243.5	180°	565.3	565.3	565.3
56.6	62.3	66.0	71.8	77.4	84.9	107.5	147.2	226.6				
52.9	56.6	60.4	64.2	69.9	79.3	105.7	149.1	219.0				
45.4	49.0	52.9	56.6	62.3	73.6	100.0	139.7	196.3				
35.8	41.5	45.4	47.3	52.9	64.2	86.9	118.9	158.6				
26.4	32.1	34.0	37.8	41.5	49.0	67.9	86.9	117.0				
15.1	20.8	22.6	24.5	32.1	35.8	45.4	56.6	79.3				
5.7	9.4	11.3	13.3	18.9	20.8	28.3	35.8	41.5				
0.0	0.0	0.0	0.0	3.8	5.7	9.4	11.3	9.4				
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°	1319.5	1319.5	1319.5	1319.5
146.2	148.2	151.2	153.1	154.1	155.0	155.0	155.0	2.5°	1383.7	1402.5	1427.0	1449.8
168.8	170.8	173.7	175.7	176.2	176.7	177.1	177.7	5°	1304.4	1340.3	1393.1	1436.5
192.3	194.3	197.3	198.3	199.2	200.2	200.2	200.2	7.5°	1143.9	1192.9	1259.2	1319.5
216.9	218.8	221.8	222.8	223.3	223.8	223.8	223.8	10°	976.0	1043.9	1113.8	1191.2
242.5	243.4	246.3	247.3	247.8	248.3	248.8	249.3	12.5°	838.2	915.6	994.9	1091.1
265.0	267.0	269.0	270.9	271.8	272.8	272.4	271.8	15°	779.5	847.6	940.1	1045.8
287.5	288.5	292.5	293.5	294.5	295.5	295.5	295.5	17.5°	755.0	841.9	947.6	1059.0
311.2	312.1	315.0	316.0	317.6	319.0	319.0	319.0	20°	728.6	847.6	989.1	1125.0
332.7	334.7	338.6	338.6	340.1	341.5	341.5	341.5	22.5°	713.5	866.4	1042.0	1232.7
356.3	357.3	360.2	360.2	361.2	362.2	362.2	362.2	25°	709.8	909.8	1132.7	1385.5
377.8	378.8	380.8	381.8	382.3	382.8	382.8	382.8	27.5°	713.5	958.9	1245.9	1549.8
400.5	399.5	402.4	402.4	403.4	404.3	404.3	404.3	30°	696.5	1010.0	1359.1	1693.2
420.0	420.0	423.0	424.0	425.0	426.0	425.4	425.0	32.5°	668.2	1047.6	1459.2	1808.4
438.7	439.7	443.7	444.6	445.1	445.6	444.6	443.7	35°	636.2	1064.7	1530.9	1916.1
455.4	456.4	460.3	461.3	461.8	462.3	461.3	460.3	37.5°	602.1	1066.6	1598.9	2029.3
474.0	473.0	476.0	477.0	477.4	478.0	477.4	477.0	40°	583.3	1059.0	1668.7	2169.0
492.7	491.7	493.7	493.7	494.2	494.7	494.2	493.7	42.5°	575.7	1045.8	1719.6	2274.7
507.5	506.5	509.4	509.4	509.4	509.4	508.4	507.5	45°	575.7	1032.6	1766.9	2354.0
519.2	519.2	522.2	522.2	522.2	522.2	521.2	520.2	47.5°	577.6	1038.2	1823.5	2482.4
529.0	528.0	531.0	531.0	531.4	532.0	531.0	530.0	50°	587.1	1102.4	1919.8	2623.9
538.8	537.8	541.8	541.8	542.3	542.8	541.3	539.8	52.5°	602.1	1204.4	2086.0	2791.9
548.7	547.7	550.6	549.7	549.7	549.7	548.7	547.7	55°	617.2	1308.2	2303.1	3073.2
555.5	554.5	556.5	555.5	555.1	554.5	554.1	553.5	57.5°	630.5	1385.5	2514.4	3352.6
558.5	556.5	558.5	557.5	557.9	558.5	557.5	556.5	60°	643.7	1446.0	2637.2	3477.2
559.5	558.5	561.4	561.4	561.9	562.4	560.9	559.5	62.5°	636.2	1423.4	2671.1	3414.9
564.3	563.3	567.3	566.3	566.3	566.3	564.9	563.3	65°	607.8	1304.4	2563.5	3199.7
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	530.4	1096.7	2233.2	2859.8
								70°	439.8	860.8	1821.7	2435.1
								72.5°	370.0	643.7	1400.6	1885.8
								75°	307.7	454.9	985.4	1298.7
								77.5°	228.3	309.6	713.5	908.0
								80°	152.9	190.7	454.9	634.2
								82.5°	92.4	111.4	262.3	443.7
								85°	50.9	69.9	160.4	290.7
								87.5°	13.3	15.1	35.8	13.3
								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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**CANDELA DISTRIBUTION (continued):**

270°	275°	280°	285°	290°	295°	300°		250°	255°	260°	265°	270°
1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	112.5°	132.9	132.5	133.5	134.5	132.5
1466.8	1481.8	1500.7	1500.7	1523.3	1530.9	1546.1	115°	155.0	155.0	156.0	157.0	156.0
1489.4	1540.3	1587.6	1614.0	1659.3	1689.5	1719.6	117.5°	177.1	176.7	177.7	178.7	176.7
1397.0	1480.0	1557.3	1629.1	1704.6	1768.9	1815.9	120°	200.2	200.2	201.2	202.2	200.2
1274.2	1362.9	1457.3	1553.6	1644.2	1734.8	1812.2	122.5°	224.3	224.8	226.7	228.7	227.7
1187.4	1281.7	1393.1	1476.2	1570.6	1661.1	1736.7	125°	249.3	249.3	250.8	252.2	251.3
1147.8	1244.1	1347.9	1432.8	1521.5	1595.1	1648.0	127.5°	272.4	272.8	274.3	275.8	272.8
1168.4	1285.6	1378.0	1449.8	1515.8	1549.8	1557.3	130°	295.9	296.4	297.9	299.3	297.4
1259.2	1381.9	1449.8	1496.9	1508.3	1506.4	1478.1	132.5°	319.4	320.0	321.4	322.9	321.0
1400.6	1544.2	1591.3	1581.8	1534.8	1474.3	1427.0	135°	342.1	342.5	343.5	344.5	343.5
1591.3	1734.8	1761.3	1708.4	1602.7	1485.7	1406.4	137.5°	362.6	363.2	365.1	367.0	365.1
1791.4	1938.6	1929.2	1850.0	1699.0	1534.8	1408.3	140°	383.8	384.7	386.7	388.7	386.7
1933.1	2055.7	2018.0	1899.1	1731.0	1566.8	1432.8	142.5°	404.9	405.3	406.8	408.3	407.3
2080.3	2172.7	2104.8	1976.5	1802.8	1634.7	1496.9	145°	425.4	426.0	427.4	428.9	427.0
2238.8	2287.9	2178.4	2048.1	1889.6	1719.6	1570.6	147.5°	444.1	444.6	446.1	447.5	444.6
2391.6	2412.5	2253.8	2114.3	1959.5	1806.5	1670.6	150°	460.3	460.3	462.3	464.2	461.3
2555.9	2527.7	2333.2	2169.0	2016.1	1899.1	1787.6	152.5°	477.0	477.0	478.4	480.0	477.0
2697.5	2635.3	2406.8	2223.8	2086.0	1987.8	1910.3	155°	494.2	494.7	496.1	497.6	495.7
2803.3	2722.0	2476.6	2276.6	2153.9	2093.5	2055.7	157.5°	507.9	508.4	510.9	513.3	510.3
2893.8	2805.1	2531.4	2354.0	2248.3	2225.6	2238.8	160°	520.2	520.2	521.6	523.2	521.2
3007.1	2893.8	2605.1	2440.9	2376.6	2399.2	2474.8	162.5°	529.0	528.0	529.0	530.0	527.0
3182.7	3035.5	2727.7	2565.4	2535.2	2616.3	2759.9	165°	538.8	537.8	538.8	539.8	537.8
3465.8	3292.2	2944.8	2782.5	2746.6	2871.3	3077.0	167.5°	548.1	548.7	550.6	552.5	550.6
3711.2	3579.0	3231.7	3035.5	3020.3	3154.4	3379.0	170°	554.5	555.5	557.9	560.5	558.5
3822.6	3809.4	3528.1	3346.8	3324.3	3448.9	3662.1	172.5°	556.9	557.5	558.9	560.5	557.5
3813.1	3922.7	3769.7	3641.4	3563.9	3667.8	3875.5	175°	558.5	557.5	558.9	560.5	557.5
3675.3	3854.6	3867.9	3837.6	3698.1	3705.6	3852.8	177.5°	563.3	563.3	564.9	566.3	563.3
3405.5	3618.7	3841.5	3832.0	3654.6	3497.9	3528.1	180°	565.3	565.3	565.3	565.3	565.3
3022.2	3205.3	3560.3	3631.9	3379.0	3086.4	2948.6						
2421.9	2635.3	3161.9	3261.9	2916.4	2504.9	2291.7						
1670.6	1951.8	2759.9	2769.3	2367.1	1970.7	1740.5						
1147.8	1389.4	2231.3	2255.8	1878.3	1495.0	1296.8						
772.0	930.6	1636.6	1532.8	1240.2	1036.4	985.4						
487.0	579.6	1028.8	960.8	817.4	747.5	766.4						
226.6	317.1	562.5	549.3	515.4	451.2	392.6						
5.7	17.0	109.5	71.8	71.8	41.5	15.1						
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						
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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
157.0	156.0	155.0	155.0	155.0	155.0	2.5°	1532.8	1538.4	1536.6	1523.3	1489.4	1476.2
178.7	177.7	176.7	177.1	177.7	177.1	5°	1717.8	1727.2	1715.9	1683.9	1597.0	1555.4
202.2	201.2	200.2	200.2	200.2	200.2	7.5°	1848.0	1855.6	1836.8	1763.1	1608.3	1538.4
228.7	226.7	224.8	224.3	223.8	223.8	10°	1872.6	1889.6	1868.8	1763.1	1583.8	1496.9
252.2	250.8	249.3	249.3	249.3	248.8	12.5°	1802.8	1838.7	1823.5	1746.1	1572.4	1480.0
275.8	274.3	272.8	272.4	271.8	272.4	15°	1695.1	1699.0	1708.4	1706.5	1551.7	1461.0
299.3	297.9	296.4	295.9	295.5	295.5	17.5°	1576.3	1572.4	1583.8	1619.6	1546.1	1474.3
322.9	321.4	320.0	319.4	319.0	319.0	20°	1468.5	1463.0	1474.3	1510.2	1523.3	1506.4
344.5	343.5	342.5	342.1	341.5	341.5	22.5°	1400.6	1381.9	1379.9	1432.8	1534.8	1580.0
367.0	365.1	363.2	362.6	362.2	362.2	25°	1362.9	1342.2	1351.6	1412.0	1581.8	1666.9
388.7	386.7	384.7	383.8	382.8	382.8	27.5°	1351.6	1329.0	1342.2	1410.1	1631.0	1772.5
408.3	406.8	405.3	404.9	404.3	404.3	30°	1359.1	1336.5	1342.2	1423.4	1655.6	1797.1
428.9	427.4	426.0	425.4	425.0	425.4	32.5°	1402.5	1362.9	1359.1	1463.0	1700.9	1851.9
447.5	446.1	444.6	444.1	443.7	444.6	35°	1461.0	1404.4	1397.0	1527.2	1759.3	1921.7
464.2	462.3	460.3	460.3	460.3	461.3	37.5°	1559.3	1489.4	1478.1	1634.7	1838.7	1980.2
480.0	478.4	477.0	477.0	477.0	477.4	40°	1691.4	1621.5	1621.5	1772.5	1946.2	2061.4
497.6	496.1	494.7	494.2	493.7	494.2	42.5°	1840.4	1795.3	1802.8	1938.6	2069.0	2163.3
513.3	510.9	508.4	507.9	507.5	508.4	45°	2038.7	2014.2	2051.9	2148.2	2193.5	2257.7
523.2	521.6	520.2	520.2	520.2	521.2	47.5°	2270.9	2291.7	2344.6	2374.7	2320.1	2354.0
530.0	529.0	528.0	529.0	530.0	531.0	50°	2561.6	2616.3	2667.3	2659.8	2476.6	2465.4
539.8	538.8	537.8	538.8	539.8	541.3	52.5°	2895.8	2967.6	3003.3	2961.8	2652.2	2586.1
552.5	550.6	548.7	548.1	547.7	548.7	55°	3235.5	3322.3	3311.1	3263.8	2842.9	2754.1
560.5	557.9	555.5	554.5	553.5	554.1	57.5°	3543.3	3611.2	3641.4	3539.4	3075.1	2958.0
560.5	558.9	557.5	556.9	556.5	557.5	60°	3786.7	3860.4	3860.4	3760.3	3328.0	3192.0
560.5	558.9	557.5	558.5	559.5	560.9	62.5°	3964.2	4022.7	4001.9	3905.7	3545.1	3441.2
566.3	564.9	563.3	563.3	563.3	564.9	65°	3950.9	3956.7	3933.9	3898.1	3675.3	3664.1
565.3	565.3	565.3	565.3	565.3	565.3	67.5°	3579.0	3580.9	3626.3	3611.2	3577.2	3716.8
						70°	2933.4	2963.7	3041.1	3018.5	3192.0	3479.0
						72.5°	2233.2	2252.1	2344.6	2323.7	2559.7	2874.9
						75°	1625.3	1623.5	1663.0	1632.8	1931.2	2282.2
						77.5°	1251.6	1217.6	1209.9	1213.8	1368.6	1659.3
						80°	1010.0	1010.0	998.6	957.1	838.2	970.3
						82.5°	806.0	774.0	717.4	636.2	537.9	573.8
						85°	402.1	390.8	341.6	283.1	236.0	313.4
						87.5°	1.9	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°
1319.5	1319.5	1319.5	1319.5	1319.5	112.5°	133.5	132.5	131.5	129.5	126.6	125.1	124.4
1470.5	1455.4	1438.5	1438.5	1423.4	115°	155.0	154.1	153.1	151.2	148.2	147.2	146.7
1530.9	1500.7	1476.2	1453.5	1430.9	117.5°	176.7	176.2	175.7	173.7	170.8	169.8	169.3
1500.7	1464.9	1434.6	1395.0	1359.1	120°	200.2	199.2	198.3	197.3	194.3	193.3	192.9
1455.4	1415.8	1372.4	1330.7	1279.8	122.5°	223.8	223.3	222.8	221.8	218.8	217.9	217.4
1430.9	1383.7	1330.7	1287.5	1228.9	125°	248.3	247.8	247.3	246.3	243.4	242.9	242.6
1412.0	1362.9	1315.7	1274.2	1223.2	127.5°	272.8	271.8	270.9	269.0	267.0	266.0	265.4
1442.2	1395.0	1361.0	1313.8	1274.2	130°	295.5	294.5	293.5	292.5	288.5	288.1	287.7
1493.2	1464.9	1438.5	1408.3	1376.1	132.5°	319.0	317.6	316.0	315.0	312.1	311.6	311.4
1589.4	1585.7	1583.8	1561.2	1538.4	135°	341.5	340.1	338.6	338.6	334.7	333.7	333.2
1710.2	1725.4	1746.1	1746.1	1746.1	137.5°	362.2	361.2	360.2	360.2	357.3	356.8	356.4
1834.9	1872.6	1912.2	1929.2	1940.6	140°	382.8	382.3	381.8	380.8	378.8	378.4	378.1
1870.7	1925.4	1987.8	2029.3	2057.6	142.5°	404.3	403.4	402.4	402.4	399.5	399.9	400.3
1929.2	1991.5	2061.4	2108.5	2159.5	145°	426.0	425.0	424.0	423.0	420.0	420.0	420.0
1999.1	2053.9	2125.6	2189.8	2263.4	147.5°	445.6	445.1	444.6	443.7	439.7	439.2	438.9
2057.6	2129.3	2206.8	2289.8	2384.2	150°	462.3	461.8	461.3	460.3	456.4	455.9	455.6
2146.3	2221.8	2306.8	2418.1	2533.3	152.5°	478.0	477.4	477.0	476.0	473.0	473.6	473.9
2244.4	2325.6	2414.4	2525.8	2659.8	155°	494.7	494.2	493.7	493.7	491.7	492.2	492.5
2329.5	2401.2	2497.5	2612.6	2765.5	157.5°	509.4	509.4	509.4	509.4	506.5	506.9	507.3
2410.6	2476.6	2589.9	2707.0	2858.0	160°	522.2	522.2	522.2	522.2	519.2	519.2	519.2
2518.2	2569.2	2682.4	2816.5	2976.9	162.5°	532.0	531.4	531.0	531.0	528.0	528.6	528.8
2629.6	2699.4	2824.0	2976.9	3156.3	165°	542.8	542.3	541.8	541.8	537.8	538.4	538.6
2780.6	2863.7	3016.6	3190.2	3416.7	167.5°	549.7	549.7	549.7	550.6	547.7	548.1	548.4
2988.2	3075.1	3237.4	3431.9	3664.1	170°	554.5	555.1	555.5	556.5	554.5	555.1	555.3
3243.2	3328.0	3467.6	3660.2	3877.4	172.5°	558.5	557.9	557.5	558.5	556.5	557.5	557.9
3480.9	3597.9	3724.5	3867.9	4039.7	175°	562.4	561.9	561.4	561.4	558.5	558.9	559.3
3739.6	3830.1	3935.8	3990.6	4086.9	177.5°	566.3	566.3	566.3	567.3	563.3	563.9	564.1
3815.0	3890.6	3983.1	3983.1	3971.8	180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3
3592.3	3707.5	3788.6	3788.6	3692.3								
3124.1	3316.7	3396.0	3445.1	3322.3								
2539.0	2778.6	2908.9	2950.4	2727.7								
1863.2	2016.1	2033.0	2038.7	1738.6								
1074.1	1194.9	1238.3	1300.7	1042.0								
623.0	668.2	741.9	768.3	634.2								
349.2	353.0	353.0	326.5	266.2								
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								
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°	1319.5	1319.5	1319.5
146.2	145.7	145.3	144.8	2.5°	1419.5	1397.0	1400.6
168.8	168.3	167.8	167.4	5°	1398.8	1366.7	1355.4
192.3	192.1	191.9	191.6	7.5°	1327.1	1272.3	1255.3
216.9	216.7	216.4	216.1	10°	1240.2	1170.4	1157.2
242.5	242.3	241.9	241.6	12.5°	1191.2	1111.8	1094.9
265.0	264.8	264.6	264.2	15°	1176.0	1100.5	1081.6
287.5	287.4	287.1	286.8	17.5°	1221.3	1140.2	1117.5
311.2	310.4	309.6	308.9	20°	1325.2	1228.9	1202.5
332.7	332.2	331.7	331.3	22.5°	1480.0	1370.5	1338.4
356.3	355.5	354.8	354.1	25°	1689.5	1564.8	1532.8
377.8	377.4	376.9	376.4	27.5°	1904.7	1755.6	1714.1
400.5	399.9	399.5	398.9	30°	2029.3	1891.5	1850.0
420.0	419.6	419.1	418.6	32.5°	2155.8	2023.6	1974.6
438.7	437.9	437.3	436.6	35°	2289.8	2155.8	2106.6
455.4	454.9	454.5	453.9	37.5°	2446.4	2333.2	2289.8
474.0	473.2	472.6	471.9	40°	2633.3	2529.4	2467.3
492.7	492.2	491.7	491.2	42.5°	2788.1	2692.0	2633.3
507.5	506.9	506.5	505.9	45°	2901.3	2820.2	2759.9
519.2	518.7	518.2	517.7	47.5°	3005.2	2942.9	2882.5
529.0	528.2	527.6	526.9	50°	3135.4	3082.6	3041.1
538.8	538.4	537.8	537.4	52.5°	3311.1	3292.2	3256.3
548.7	547.9	547.2	546.5	55°	3569.7	3611.2	3560.3
555.5	554.7	554.1	553.4	57.5°	3815.0	3845.3	3822.6
558.5	557.7	556.9	556.3	60°	4007.6	3966.1	3937.7
559.5	559.3	558.9	558.7	62.5°	4105.7	4003.8	3956.7
564.3	563.9	563.3	562.9	65°	4111.5	3954.8	3883.0
565.3	565.3	565.3	565.3	67.5°	3983.1	3799.9	3716.8
				70°	3637.6	3426.1	3316.7
				72.5°	3056.2	2731.5	2657.8
				75°	2240.7	1842.4	1798.9
				77.5°	1357.2	1059.0	1002.4
				80°	764.5	607.8	589.0
				82.5°	434.2	341.6	360.6
				85°	177.4	88.8	98.2
				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)