

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: P271606

Luminaire Tested: **ISS-AF-1000-LED-E1-SLR-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271606
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-1000-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: 5589.7 lumens
Efficiency: N/A
Efficacy: 78.4 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): 71.3
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

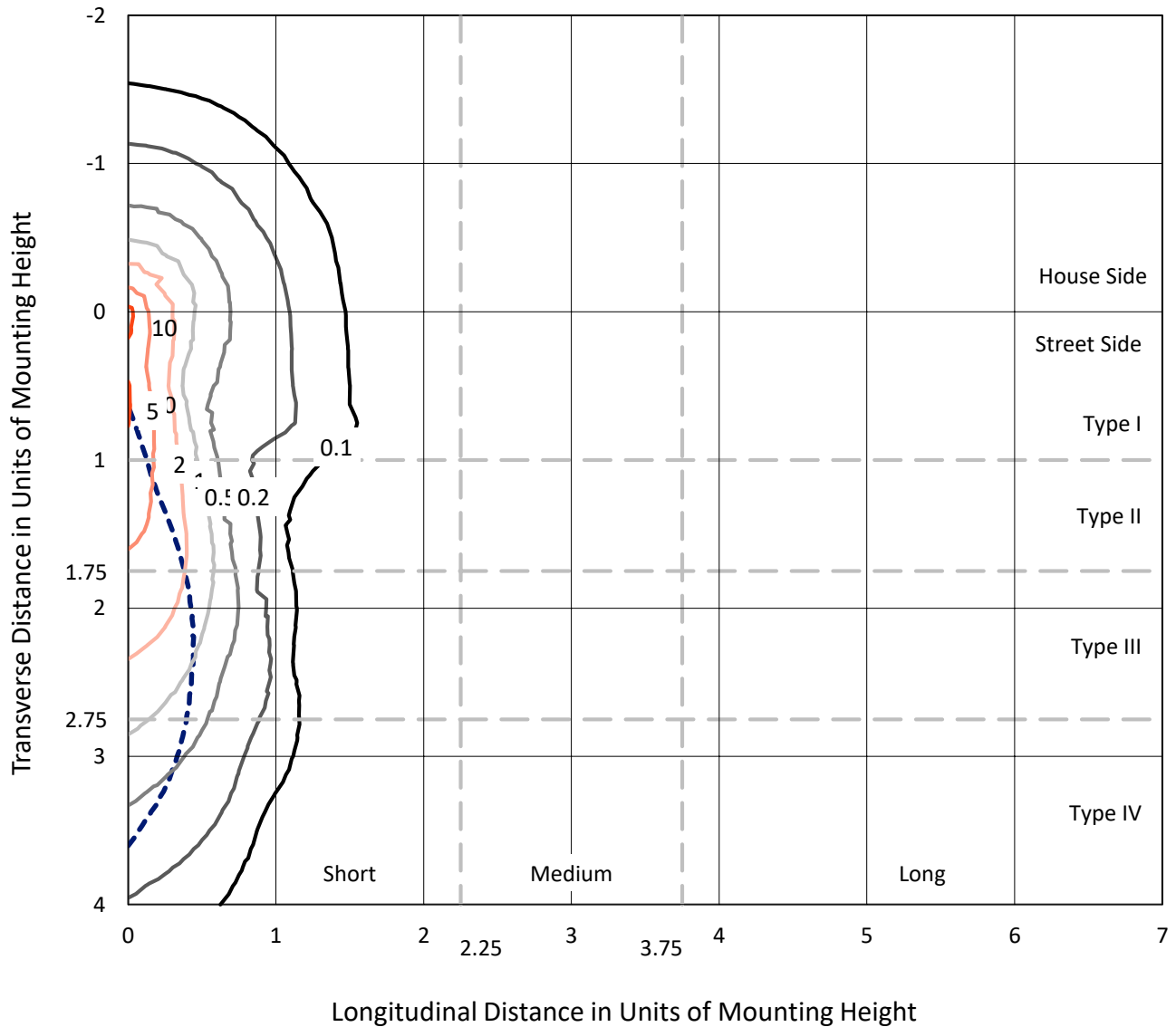


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

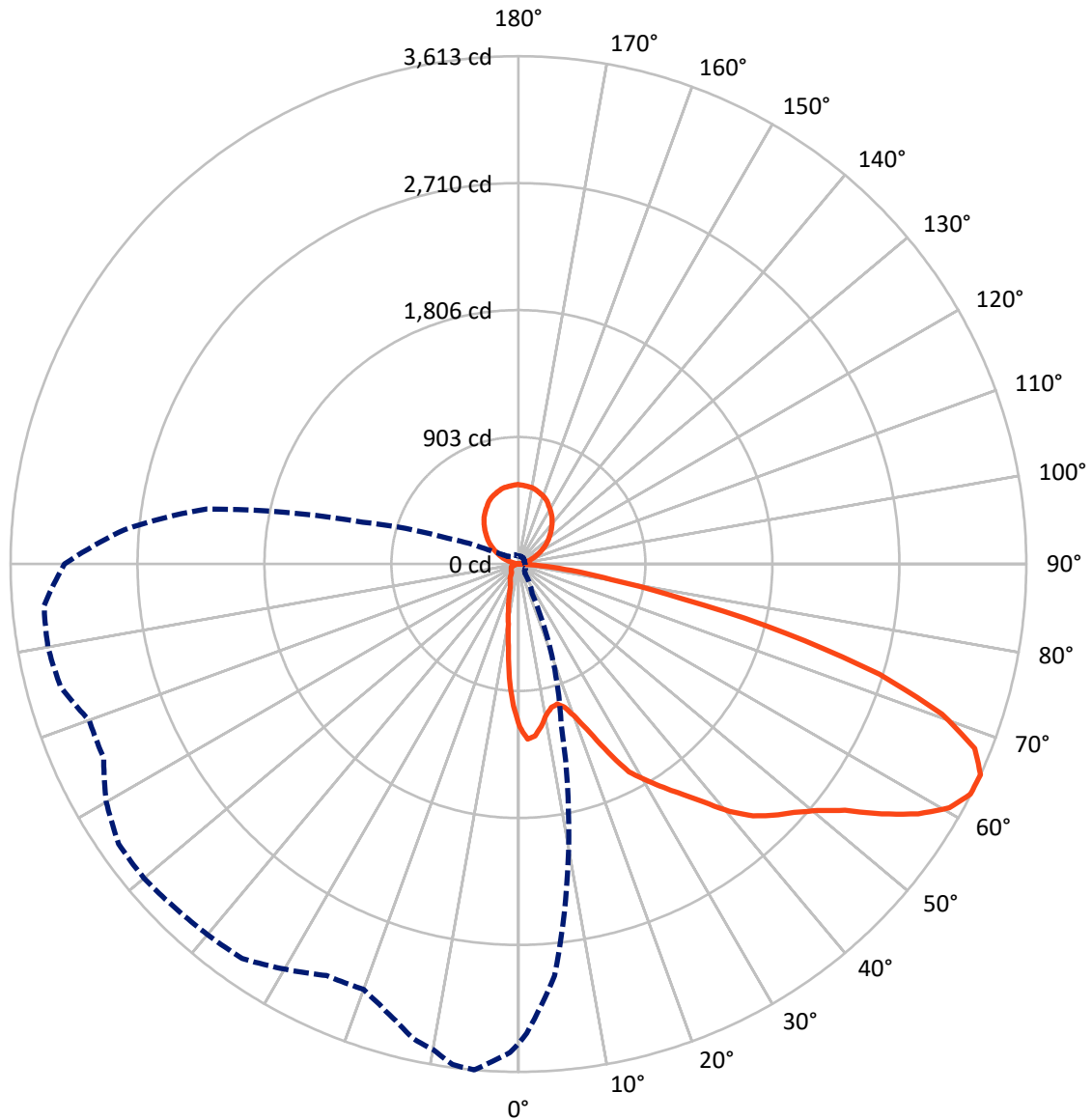


Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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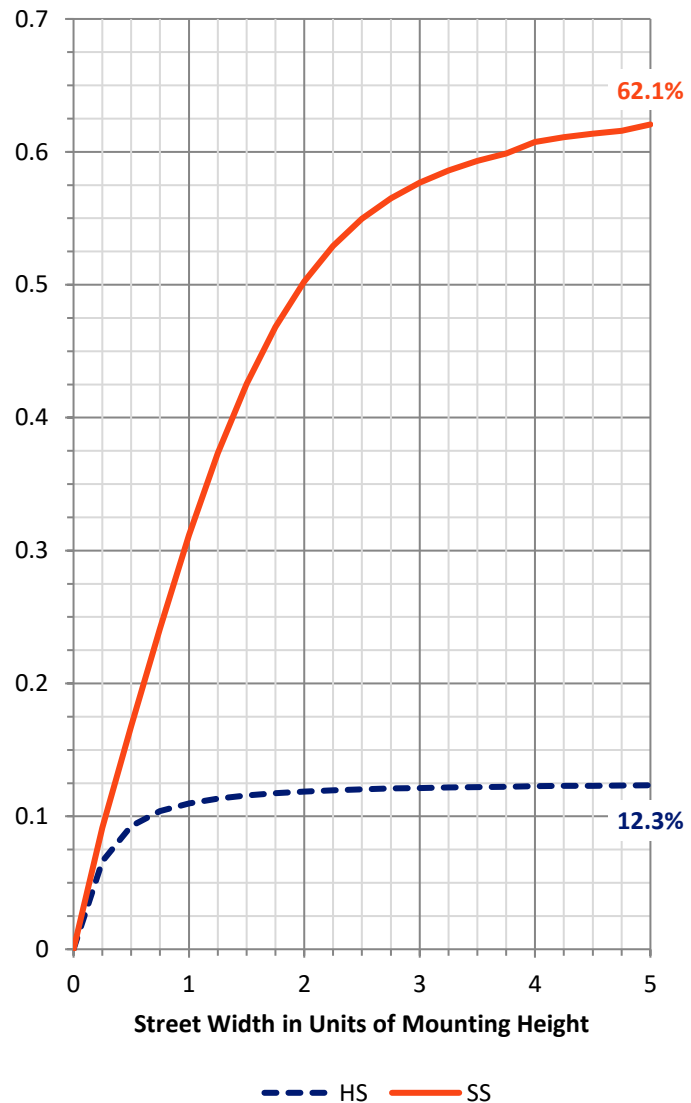
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	696.7	699.9	1396.6
	% Fixture	12.5	12.5	25.0
Street Side	Lumens	3493.3	699.9	4193.1
	% Fixture	62.5	12.5	75.0
Total	Lumens	4190.0	1399.8	5589.7
	% Fixture	75.0	25.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	1.6
10°-20°	183.5	3.3
20°-30°	266.7	4.8
30°-40°	394.5	7.1
40°-50°	574.7	10.3
50°-60°	861.5	15.4
60°-70°	1073.6	19.2
70°-80°	628.9	11.3
80°-90°	117.6	2.1
90°-100°	4.7	0.1
100°-110°	67.7	1.2
110°-120°	150.2	2.7
120°-130°	219.7	3.9
130°-140°	260.7	4.7
140°-150°	264.3	4.7
150°-160°	226.8	4.1
160°-170°	152.2	2.7
170°-180°	53.3	1.0
0°-90°	4190.0	75.0
0°-180°	5589.7	100.0



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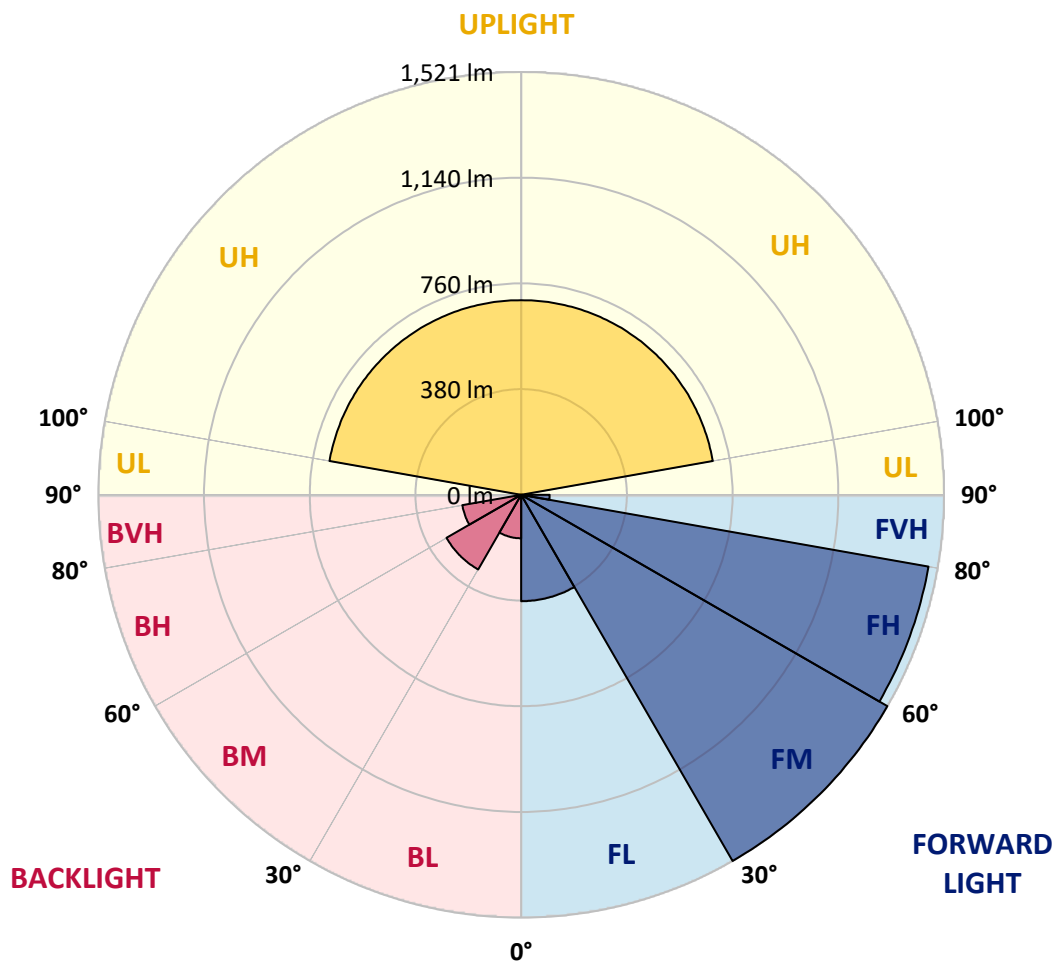
CATALOG NUMBER: ISS-AF-1000-LED-E1-SLR-7027-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.8	6.8			
FM	(30°-60°)	1520.6	27.2			
FH	(60°-80°)	1487.4	26.6			G1/1800
FVH	(80°-90°)	102.4	1.8			G2/225
BL	(0°-30°)	156.4	2.8	B1/500		
BM	(30°-60°)	310.1	5.5	B1/1000		
BH	(60°-80°)	215.0	3.8	B1/500		G1/500
BVH	(80°-90°)	15.2	0.3			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	699.9	12.5		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°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1230.9	1220.9	1201.0	1161.1	1119.6	1079.9	1073.3	1058.3	1060.0	1051.6	1048.4
5°	1191.1	1177.8	1136.3	1053.4	982.0	909.1	904.1	874.2	877.6	859.3	849.3
7.5°	1103.1	1084.8	1038.4	924.0	824.5	728.3	718.3	683.4	678.5	660.3	645.3
10°	1016.8	998.6	940.5	809.6	695.1	623.7	612.1	595.6	582.2	573.9	559.0
12.5°	962.2	952.1	882.5	731.5	642.0	583.9	569.0	552.4	539.2	524.3	509.2
15°	950.5	930.6	859.3	706.7	602.1	530.8	512.7	494.3	479.3	464.4	443.0
17.5°	982.0	962.2	882.5	695.1	557.4	471.1	447.9	423.0	408.1	389.9	366.6
20°	1056.7	1025.1	927.3	678.5	509.2	401.5	373.2	343.4	326.8	295.3	278.7
22.5°	1176.2	1136.3	1003.6	678.5	464.4	328.4	296.9	270.4	252.2	223.9	205.7
25°	1347.0	1312.2	1128.0	696.7	424.7	267.1	235.5	209.0	190.8	170.9	159.3
27.5°	1506.2	1451.5	1260.7	723.2	393.2	223.9	192.5	170.9	157.7	147.6	141.0
30°	1625.7	1580.8	1376.8	741.6	346.7	187.5	167.5	154.3	147.6	142.7	139.3
32.5°	1735.2	1683.7	1459.7	753.0	318.4	159.3	141.0	131.1	124.4	117.8	116.2
35°	1851.2	1801.6	1557.6	751.4	300.2	146.0	127.6	116.2	109.4	107.9	104.6
37.5°	2012.1	1944.1	1670.5	751.4	293.7	141.0	119.5	107.9	102.9	99.5	97.8
40°	2168.1	2091.8	1794.8	756.5	287.0	137.7	119.5	107.9	99.5	96.2	92.9
42.5°	2314.0	2229.4	1907.6	764.7	283.7	127.6	112.7	106.2	102.9	96.2	91.3
45°	2425.2	2358.9	1995.6	781.3	283.7	121.1	106.2	101.1	99.5	99.5	97.8
47.5°	2533.0	2458.4	2096.7	812.9	288.6	116.2	101.1	94.5	94.5	94.5	96.2
50°	2672.4	2584.4	2236.2	877.6	288.6	114.4	96.2	89.7	87.9	91.3	91.3
52.5°	2861.6	2798.4	2440.2	970.3	285.3	112.7	94.5	84.6	82.9	84.6	87.9
55°	3128.5	3057.2	2687.3	1084.8	282.0	109.4	91.3	82.9	79.6	78.0	79.6
57.5°	3359.1	3297.8	2914.6	1176.2	273.7	101.1	87.9	81.3	76.3	74.6	73.0
60°	3460.3	3408.9	3060.5	1237.4	258.8	92.9	82.9	78.0	73.0	71.3	69.7
62.5°	3476.9	3412.2	3062.2	1250.8	242.3	84.6	78.0	73.0	69.7	68.0	66.4
65°	3412.2	3339.2	2941.1	1169.4	228.9	84.6	74.6	69.7	64.7	63.0	61.4
67.5°	3266.2	3153.4	2634.2	992.0	217.3	86.2	73.0	64.7	61.4	59.6	58.1
70°	2914.6	2788.5	2224.6	787.9	212.3	87.9	73.0	61.4	56.4	54.8	54.8
72.5°	2335.6	2191.3	1735.2	593.9	204.1	89.7	71.3	58.1	53.1	49.8	49.8
75°	1580.8	1454.7	1176.2	401.5	169.2	78.0	64.7	53.1	46.4	43.1	41.5
77.5°	880.9	839.4	748.1	212.3	107.9	58.1	49.8	43.1	38.2	36.5	34.9
80°	517.5	496.0	441.2	117.8	66.4	33.1	29.8	28.2	25.0	25.0	25.0
82.5°	316.8	295.3	273.7	53.1	31.5	16.6	16.6	13.3	13.3	11.6	11.6
85°	86.2	79.6	111.1	11.6	3.3	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°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1035.0	1031.8	1031.8	1006.9	1006.9	993.6	990.3	990.3	995.3	992.0	972.1
5°	832.7	822.8	816.1	786.3	778.0	763.1	756.5	754.8	759.8	751.4	724.9
7.5°	627.1	618.8	608.8	585.5	575.6	573.9	554.1	549.0	545.8	539.2	522.5
10°	547.3	535.7	527.6	511.0	499.3	491.0	474.5	466.1	459.6	449.5	444.6
12.5°	492.7	481.0	469.5	447.9	432.9	423.0	413.0	396.4	389.9	378.2	371.6
15°	424.7	411.4	398.1	375.0	355.0	344.9	325.2	315.1	308.6	295.3	288.6
17.5°	341.7	323.5	308.6	287.0	277.0	260.5	248.8	232.2	219.0	214.0	209.0
20°	257.2	240.6	227.2	209.0	199.1	185.8	179.1	167.5	160.9	157.7	154.3
22.5°	189.1	175.9	167.5	157.7	152.6	147.6	144.3	141.0	137.7	136.0	136.0
25°	149.3	144.3	141.0	137.7	136.0	134.4	131.1	129.4	127.6	126.0	126.0
27.5°	136.0	132.7	131.1	129.4	127.6	124.4	124.4	121.1	119.5	119.5	117.8
30°	137.7	137.7	137.7	134.4	132.7	129.4	127.6	122.8	119.5	116.2	114.4
32.5°	112.7	112.7	111.1	107.9	106.2	104.6	104.6	101.1	99.5	99.5	102.9
35°	102.9	101.1	99.5	96.2	94.5	91.3	89.7	87.9	86.2	84.6	84.6
37.5°	97.8	96.2	94.5	91.3	89.7	87.9	86.2	82.9	81.3	81.3	79.6
40°	92.9	92.9	92.9	89.7	87.9	84.6	82.9	81.3	79.6	78.0	78.0
42.5°	89.7	89.7	89.7	87.9	86.2	84.6	81.3	79.6	78.0	76.3	74.6
45°	91.3	89.7	89.7	87.9	86.2	82.9	81.3	78.0	76.3	74.6	73.0
47.5°	97.8	96.2	92.9	89.7	86.2	82.9	79.6	76.3	74.6	73.0	71.3
50°	92.9	99.5	101.1	96.2	87.9	82.9	79.6	76.3	73.0	71.3	69.7
52.5°	91.3	92.9	99.5	99.5	91.3	84.6	79.6	76.3	73.0	69.7	68.0
55°	82.9	87.9	89.7	91.3	89.7	82.9	78.0	73.0	71.3	68.0	64.7
57.5°	73.0	76.3	78.0	81.3	82.9	81.3	74.6	69.7	68.0	64.7	61.4
60°	68.0	68.0	68.0	69.7	78.0	84.6	78.0	68.0	63.0	61.4	58.1
62.5°	63.0	63.0	61.4	63.0	64.7	73.0	71.3	64.7	61.4	59.6	56.4
65°	61.4	59.6	58.1	58.1	58.1	58.1	58.1	58.1	56.4	56.4	54.8
67.5°	56.4	54.8	54.8	53.1	53.1	53.1	53.1	53.1	51.5	51.5	49.8
70°	53.1	51.5	49.8	49.8	49.8	48.1	48.1	48.1	46.4	46.4	46.4
72.5°	48.1	46.4	46.4	46.4	44.7	44.7	44.7	43.1	43.1	41.5	41.5
75°	41.5	41.5	39.9	39.9	39.9	38.2	38.2	38.2	38.2	36.5	36.5
77.5°	34.9	33.1	34.9	33.1	33.1	33.1	33.1	33.1	31.5	31.5	29.8
80°	23.3	23.3	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	23.3
82.5°	13.3	11.6	13.3	13.3	13.3	14.9	14.9	16.6	14.9	14.9	13.3
85°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	3.3	3.3	3.3	3.3
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-1000-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: P271606

CATALOG NUMBER: ISS-AF-1000-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	982.0	980.4	963.8	967.0	962.2	952.1	953.8	955.4	958.9	952.1	948.9
5°	738.1	739.8	718.3	724.9	719.9	718.3	723.2	731.5	736.5	734.8	730.0
7.5°	524.3	525.9	507.6	505.9	501.0	499.3	505.9	514.2	519.2	517.5	519.2
10°	432.9	428.0	411.4	399.7	388.2	378.2	376.6	376.6	376.6	373.2	369.9
12.5°	358.3	353.3	333.5	323.5	313.5	300.2	298.6	296.9	291.9	287.0	280.3
15°	278.7	273.7	257.2	250.4	242.3	237.2	235.5	235.5	232.2	228.9	225.7
17.5°	202.4	199.1	189.1	182.4	180.8	182.4	184.2	187.5	189.1	190.8	190.8
20°	152.6	150.9	147.6	147.6	149.3	154.3	155.9	160.9	162.5	165.8	169.2
22.5°	134.4	134.4	132.7	132.7	136.0	141.0	144.3	146.0	147.6	149.3	149.3
25°	124.4	124.4	122.8	126.0	131.1	131.1	131.1	131.1	127.6	126.0	126.0
27.5°	117.8	117.8	117.8	119.5	117.8	116.2	116.2	116.2	114.4	114.4	112.7
30°	112.7	112.7	112.7	111.1	111.1	109.4	109.4	107.9	107.9	106.2	106.2
32.5°	104.6	101.1	104.6	101.1	101.1	99.5	101.1	101.1	97.8	97.8	97.8
35°	82.9	81.3	81.3	81.3	79.6	81.3	84.6	84.6	84.6	84.6	84.6
37.5°	78.0	78.0	76.3	74.6	74.6	73.0	74.6	73.0	73.0	73.0	74.6
40°	76.3	74.6	73.0	73.0	71.3	69.7	69.7	69.7	69.7	69.7	69.7
42.5°	73.0	73.0	69.7	68.0	68.0	66.4	66.4	66.4	66.4	66.4	66.4
45°	71.3	69.7	68.0	66.4	64.7	64.7	64.7	64.7	64.7	64.7	63.0
47.5°	69.7	68.0	66.4	64.7	63.0	61.4	61.4	61.4	61.4	61.4	61.4
50°	68.0	66.4	63.0	63.0	61.4	59.6	59.6	59.6	59.6	59.6	59.6
52.5°	64.7	64.7	61.4	59.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1
55°	61.4	61.4	58.1	56.4	54.8	54.8	54.8	54.8	56.4	56.4	56.4
57.5°	59.6	58.1	54.8	54.8	51.5	51.5	51.5	53.1	53.1	54.8	54.8
60°	56.4	54.8	53.1	51.5	51.5	49.8	49.8	49.8	49.8	51.5	51.5
62.5°	54.8	53.1	49.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
65°	51.5	51.5	48.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
67.5°	48.1	48.1	44.7	43.1	43.1	43.1	44.7	43.1	43.1	43.1	43.1
70°	44.7	43.1	41.5	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
72.5°	39.9	39.9	38.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5	38.2
75°	34.9	33.1	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
77.5°	29.8	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	28.2
80°	21.6	19.9	19.9	19.9	19.9	21.6	21.6	21.6	21.6	21.6	21.6
82.5°	13.3	11.6	11.6	11.6	13.3	14.9	14.9	14.9	14.9	16.6	16.6
85°	3.3	3.3	3.3	3.3	6.6	8.4	8.4	8.4	9.9	8.4	8.4
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°
1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	112.5°	133.5
945.6	965.5	965.5	952.1	958.9	952.1	950.5	962.2	968.7	990.3	1003.6	115°	155.0
731.5	756.5	758.1	751.4	759.8	754.8	759.8	774.7	786.3	801.2	814.5	117.5°	177.7
522.5	545.8	550.8	545.8	560.7	559.0	562.4	579.0	588.9	597.1	598.8	120°	200.2
368.2	371.6	384.8	381.5	391.5	389.9	394.9	408.1	421.3	426.3	429.6	122.5°	223.8
277.0	273.7	278.7	272.1	277.0	277.0	278.7	287.0	303.5	310.3	326.8	125°	249.3
223.9	220.6	220.6	217.3	217.3	215.6	217.3	223.9	235.5	245.5	258.8	127.5°	271.8
190.8	190.8	190.8	189.1	187.5	187.5	189.1	192.5	199.1	205.7	212.3	130°	295.5
170.9	174.2	175.9	177.4	179.1	180.8	182.4	187.5	185.8	179.1	170.9	132.5°	319.0
149.3	149.3	150.9	150.9	149.3	149.3	149.3	149.3	149.3	154.3	159.3	135°	341.5
124.4	124.4	124.4	126.0	124.4	124.4	126.0	126.0	127.6	131.1	136.0	137.5°	362.2
112.7	112.7	112.7	112.7	112.7	112.7	112.7	114.4	116.2	121.1	124.4	140°	382.8
104.6	104.6	102.9	102.9	102.9	101.1	102.9	102.9	104.6	111.1	116.2	142.5°	404.3
96.2	94.5	94.5	94.5	92.9	92.9	92.9	96.2	97.8	101.1	106.2	145°	425.0
84.6	84.6	84.6	86.2	86.2	86.2	86.2	89.7	89.7	91.3	91.3	147.5°	443.7
76.3	76.3	78.0	79.6	79.6	81.3	81.3	82.9	84.6	82.9	81.3	150°	460.3
69.7	71.3	71.3	74.6	74.6	74.6	76.3	78.0	79.6	76.3	76.3	152.5°	477.0
66.4	66.4	66.4	68.0	68.0	68.0	69.7	71.3	73.0	73.0	73.0	155°	493.7
63.0	63.0	63.0	64.7	63.0	63.0	63.0	64.7	68.0	68.0	69.7	157.5°	507.5
61.4	61.4	61.4	59.6	59.6	59.6	59.6	61.4	63.0	66.4	68.0	160°	520.2
59.6	58.1	58.1	58.1	58.1	58.1	58.1	59.6	61.4	63.0	66.4	162.5°	530.0
56.4	56.4	56.4	56.4	56.4	56.4	56.4	58.1	59.6	61.4	63.0	165°	539.8
56.4	56.4	54.8	54.8	56.4	56.4	56.4	58.1	59.6	61.4	61.4	167.5°	547.7
54.8	53.1	53.1	54.8	54.8	54.8	54.8	56.4	58.1	59.6	59.6	170°	553.5
51.5	51.5	51.5	51.5	53.1	53.1	54.8	56.4	56.4	58.1	58.1	172.5°	556.5
48.1	49.8	49.8	49.8	51.5	51.5	53.1	54.8	56.4	58.1	56.4	175°	559.5
46.4	48.1	48.1	48.1	49.8	49.8	49.8	53.1	54.8	54.8	56.4	177.5°	563.3
44.7	44.7	44.7	46.4	46.4	48.1	48.1	51.5	51.5	53.1	54.8	180°	565.3
41.5	41.5	41.5	43.1	43.1	44.7	46.4	48.1	48.1	49.8	51.5		
38.2	38.2	38.2	39.9	39.9	41.5	43.1	46.4	44.7	46.4	46.4		
33.1	33.1	34.9	34.9	36.5	38.2	39.9	39.9	39.9	39.9	39.9		
28.2	28.2	29.8	29.8	31.5	33.1	33.1	33.1	34.9	33.1	33.1		
23.3	23.3	25.0	25.0	25.0	25.0	26.5	25.0	26.5	25.0	26.5		
16.6	16.6	18.2	16.6	18.2	16.6	16.6	14.9	18.2	16.6	16.6		
6.6	8.4	8.4	8.4	8.4	6.6	6.6	5.0	6.6	6.6	5.0		
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	0.0		
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		

'271606
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REPORT NUMBER: P271606
 CATALOG NUMBER: ISS-AF-10

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°	1159.5	1159.5
155.0	155.0	155.0	155.0	154.6	154.1	153.1	151.2	148.2	146.2	2.5°	1008.5	1006.9
177.4	177.1	176.9	176.7	176.4	176.2	175.7	173.7	170.8	168.8	5°	816.1	812.9
200.2	200.2	200.2	200.2	199.7	199.2	198.3	197.3	194.3	192.3	7.5°	583.9	577.3
223.8	223.8	223.8	223.8	223.6	223.3	222.8	221.8	218.8	216.9	10°	431.3	436.3
249.1	248.8	248.5	248.3	248.1	247.8	247.3	246.3	243.4	242.5	12.5°	344.9	364.9
272.1	272.4	272.6	272.8	272.4	271.8	270.9	269.0	267.0	265.0	15°	277.0	288.6
295.5	295.5	295.5	295.5	294.9	294.5	293.5	292.5	288.5	287.5	17.5°	214.0	219.0
319.0	319.0	319.0	319.0	318.2	317.6	316.0	315.0	312.1	311.2	20°	170.9	170.9
341.5	341.5	341.5	341.5	340.7	340.1	338.6	338.6	334.7	332.7	22.5°	149.3	147.6
362.2	362.2	362.2	362.2	361.7	361.2	360.2	360.2	357.3	356.3	25°	141.0	139.3
382.8	382.8	382.8	382.8	382.6	382.3	381.8	380.8	378.8	377.8	27.5°	127.6	129.4
404.3	404.3	404.3	404.3	403.9	403.4	402.4	402.4	399.5	400.5	30°	119.5	121.1
425.2	425.4	425.8	426.0	425.4	425.0	424.0	423.0	420.0	420.0	32.5°	109.4	111.1
444.1	444.6	445.1	445.6	445.4	445.1	444.6	443.7	439.7	438.7	35°	89.7	89.7
460.8	461.3	461.8	462.3	462.1	461.8	461.3	460.3	456.4	455.4	37.5°	82.9	82.9
477.2	477.4	477.8	478.0	477.8	477.4	477.0	476.0	473.0	474.0	40°	78.0	79.6
493.9	494.2	494.4	494.7	494.4	494.2	493.7	493.7	491.7	492.7	42.5°	74.6	74.6
507.9	508.4	508.9	509.4	509.4	509.4	509.4	509.4	506.5	507.5	45°	71.3	73.0
520.7	521.2	521.6	522.2	522.2	522.2	522.2	522.2	519.2	519.2	47.5°	69.7	69.7
530.4	531.0	531.4	532.0	531.8	531.4	531.0	531.0	528.0	529.0	50°	66.4	68.0
540.6	541.3	541.9	542.8	542.6	542.3	541.8	541.8	537.8	538.8	52.5°	64.7	66.4
548.1	548.7	549.1	549.7	549.7	549.7	549.7	550.6	547.7	548.7	55°	63.0	63.0
553.7	554.1	554.3	554.5	554.7	555.1	555.5	556.5	554.5	555.5	57.5°	59.6	61.4
556.9	557.5	557.9	558.5	558.3	557.9	557.5	558.5	556.5	558.5	60°	59.6	59.6
560.3	560.9	561.6	562.4	562.2	561.9	561.4	561.4	558.5	559.5	62.5°	58.1	58.1
564.1	564.9	565.6	566.3	566.3	566.3	566.3	567.3	563.3	564.3	65°	56.4	56.4
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	53.1	53.1
										70°	49.8	49.8
										72.5°	46.4	44.7
										75°	39.9	39.9
										77.5°	33.1	33.1
										80°	25.0	23.3
										82.5°	14.9	13.3
										85°	5.0	5.0
										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°
1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	112.5°	121.7	121.7	121.7
1031.8	1050.1	1061.7	1106.4	1126.4	1151.3	1162.9	1179.5	1196.0	115°	144.3	143.3	144.3
842.7	865.9	885.8	950.5	988.7	1023.5	1051.6	1078.2	1116.4	117.5°	166.8	165.8	166.8
597.1	617.0	643.6	713.3	779.7	826.1	867.5	912.4	962.2	120°	191.4	189.5	191.4
456.2	486.1	520.8	573.9	627.1	660.3	696.7	746.5	806.2	122.5°	216.0	215.0	216.0
381.5	418.0	459.6	519.2	575.6	602.1	628.7	653.6	685.0	125°	241.5	239.5	241.5
301.9	336.8	386.5	456.2	522.5	552.4	583.9	613.7	642.0	127.5°	264.0	262.0	264.0
225.7	250.4	295.3	378.2	451.2	489.4	525.9	567.3	605.5	130°	286.6	284.7	286.6
172.6	184.2	215.6	280.3	369.9	418.0	464.4	517.5	572.3	132.5°	308.2	307.2	308.2
149.3	154.3	169.2	207.4	288.6	344.9	404.8	471.1	539.2	135°	330.8	329.8	330.8
137.7	141.0	149.3	167.5	225.7	285.3	346.7	426.3	509.2	137.5°	353.3	352.3	353.3
131.1	134.4	141.0	150.9	187.5	232.2	300.2	388.2	487.7	140°	375.9	375.0	375.9
122.8	126.0	137.7	149.3	170.9	199.1	257.2	343.4	454.5	142.5°	398.5	396.5	398.5
112.7	114.4	117.8	131.1	146.0	169.2	219.0	303.5	419.7	145°	418.1	417.2	418.1
91.3	96.2	102.9	116.2	131.1	149.3	195.7	277.0	398.1	147.5°	435.8	435.8	435.8
84.6	89.7	96.2	107.9	121.1	137.7	185.8	267.1	378.2	150°	453.5	452.5	453.5
79.6	84.6	91.3	104.6	112.7	132.7	180.8	252.2	358.3	152.5°	471.1	470.2	471.1
76.3	81.3	89.7	99.5	111.1	129.4	167.5	238.9	346.7	155°	490.7	489.8	490.7
73.0	78.0	87.9	96.2	112.7	122.8	159.3	228.9	336.8	157.5°	505.5	503.5	505.5
71.3	76.3	86.2	97.8	109.4	116.2	150.9	220.6	328.4	160°	517.2	515.3	517.2
69.7	74.6	84.6	107.9	104.6	111.1	144.3	214.0	323.5	162.5°	526.0	525.1	526.0
68.0	73.0	84.6	109.4	101.1	104.6	139.3	207.4	320.2	165°	536.8	535.9	536.8
64.7	71.3	84.6	101.1	94.5	101.1	129.4	197.4	311.8	167.5°	545.7	544.7	545.7
63.0	68.0	82.9	92.9	89.7	96.2	119.5	180.8	300.2	170°	552.5	551.6	552.5
61.4	66.4	82.9	82.9	84.6	91.3	107.9	160.9	280.3	172.5°	555.5	554.5	555.5
59.6	66.4	84.6	74.6	79.6	86.2	99.5	144.3	255.5	175°	558.5	556.5	558.5
58.1	63.0	73.0	71.3	76.3	81.3	96.2	132.7	233.9	177.5°	562.4	561.4	562.4
54.8	59.6	64.7	66.4	73.0	78.0	94.5	131.1	214.0	180°	565.3	565.3	565.3
49.8	54.8	58.1	63.0	68.0	74.6	94.5	129.4	199.1				
46.4	49.8	53.1	56.4	61.4	69.7	92.9	131.1	192.5				
39.9	43.1	46.4	49.8	54.8	64.7	87.9	122.8	172.6				
31.5	36.5	39.9	41.5	46.4	56.4	76.3	104.6	139.3				
23.3	28.2	29.8	33.1	36.5	43.1	59.6	76.3	102.9				
13.3	18.2	19.9	21.6	28.2	31.5	39.9	49.8	69.7				
5.0	8.4	9.9	11.6	16.6	18.2	25.0	31.5	36.5				
0.0	0.0	0.0	0.0	3.3	5.0	8.4	9.9	8.4				
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°	1159.5	1159.5	1159.5	1159.5
146.2	148.2	151.2	153.1	154.1	155.0	155.0	155.0	2.5°	1215.9	1232.6	1254.0	1274.0
168.8	170.8	173.7	175.7	176.2	176.7	177.1	177.7	5°	1146.2	1177.8	1224.2	1262.4
192.3	194.3	197.3	198.3	199.2	200.2	200.2	200.2	7.5°	1005.2	1048.4	1106.4	1159.5
216.9	218.8	221.8	222.8	223.3	223.8	223.8	223.8	10°	857.6	917.3	978.7	1046.7
242.5	243.4	246.3	247.3	247.8	248.3	248.8	249.3	12.5°	736.5	804.5	874.2	958.9
265.0	267.0	269.0	270.9	271.8	272.8	272.4	271.8	15°	685.0	744.9	826.1	919.0
287.5	288.5	292.5	293.5	294.5	295.5	295.5	295.5	17.5°	663.6	739.8	832.7	930.6
311.2	312.1	315.0	316.0	317.6	319.0	319.0	319.0	20°	640.3	744.9	869.2	988.7
332.7	334.7	338.6	338.6	340.1	341.5	341.5	341.5	22.5°	627.1	761.4	915.7	1083.3
356.3	357.3	360.2	360.2	361.2	362.2	362.2	362.2	25°	623.7	799.5	995.3	1217.7
377.8	378.8	380.8	381.8	382.3	382.8	382.8	382.8	27.5°	627.1	842.7	1094.9	1361.9
400.5	399.5	402.4	402.4	403.4	404.3	404.3	404.3	30°	612.1	887.4	1194.4	1488.0
420.0	420.0	423.0	424.0	425.0	426.0	425.4	425.0	32.5°	587.2	920.7	1282.3	1589.1
438.7	439.7	443.7	444.6	445.1	445.6	444.6	443.7	35°	559.0	935.6	1345.3	1683.7
455.4	456.4	460.3	461.3	461.8	462.3	461.3	460.3	37.5°	529.2	937.2	1404.9	1783.2
474.0	473.0	476.0	477.0	477.4	478.0	477.4	477.0	40°	512.7	930.6	1466.4	1906.0
492.7	491.7	493.7	493.7	494.2	494.7	494.2	493.7	42.5°	505.9	919.0	1511.2	1998.9
507.5	506.5	509.4	509.4	509.4	509.4	508.4	507.5	45°	505.9	907.4	1552.7	2068.5
519.2	519.2	522.2	522.2	522.2	522.2	521.2	520.2	47.5°	507.6	912.4	1602.5	2181.4
529.0	528.0	531.0	531.0	531.4	532.0	531.0	530.0	50°	515.9	968.7	1687.1	2305.8
538.8	537.8	541.8	541.8	542.3	542.8	541.3	539.8	52.5°	529.2	1058.3	1833.0	2453.5
548.7	547.7	550.6	549.7	549.7	549.7	548.7	547.7	55°	542.5	1149.7	2023.8	2700.6
555.5	554.5	556.5	555.5	555.1	554.5	554.1	553.5	57.5°	554.1	1217.7	2209.7	2946.1
558.5	556.5	558.5	557.5	557.9	558.5	557.5	556.5	60°	565.7	1270.7	2317.4	3055.6
559.5	558.5	561.4	561.4	561.9	562.4	560.9	559.5	62.5°	559.0	1250.8	2347.2	3000.8
564.3	563.3	567.3	566.3	566.3	566.3	564.9	563.3	65°	534.1	1146.2	2252.7	2811.8
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	466.1	963.8	1962.3	2513.1
								70°	386.5	756.5	1600.8	2139.9
								72.5°	325.2	565.7	1230.9	1657.1
								75°	270.4	399.7	865.9	1141.3
								77.5°	200.7	272.1	627.1	798.0
								80°	134.4	167.5	399.7	557.4
								82.5°	81.3	97.8	230.5	389.9
								85°	44.7	61.4	141.0	255.5
								87.5°	11.6	13.3	31.5	11.6
								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°
1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	112.5°	132.9	132.5	133.5	134.5	132.5
1288.9	1302.3	1318.8	1318.8	1338.7	1345.3	1358.6	115°	155.0	155.0	156.0	157.0	156.0
1308.8	1353.6	1395.1	1418.3	1458.1	1484.7	1511.2	117.5°	177.1	176.7	177.7	178.7	176.7
1227.5	1300.6	1368.6	1431.6	1497.9	1554.3	1595.7	120°	200.2	200.2	201.2	202.2	200.2
1119.6	1197.7	1280.6	1365.2	1444.8	1524.4	1592.4	122.5°	224.3	224.8	226.7	228.7	227.7
1043.4	1126.4	1224.2	1297.2	1380.2	1459.7	1526.1	125°	249.3	249.3	250.8	252.2	251.3
1008.5	1093.1	1184.4	1259.1	1336.9	1401.7	1448.2	127.5°	272.4	272.8	274.3	275.8	272.8
1026.9	1129.7	1210.9	1274.0	1332.1	1361.9	1368.6	130°	295.9	296.4	297.9	299.3	297.4
1106.4	1214.3	1274.0	1315.5	1325.4	1323.7	1298.9	132.5°	319.4	320.0	321.4	322.9	321.0
1230.9	1356.9	1398.4	1390.0	1348.6	1295.5	1254.0	135°	342.1	342.5	343.5	344.5	343.5
1398.4	1524.4	1547.7	1501.2	1408.4	1305.5	1235.8	137.5°	362.6	363.2	365.1	367.0	365.1
1574.2	1703.6	1695.3	1625.7	1492.9	1348.6	1237.4	140°	383.8	384.7	386.7	388.7	386.7
1698.7	1806.5	1773.3	1668.8	1521.1	1376.8	1259.1	142.5°	404.9	405.3	406.8	408.3	407.3
1828.1	1909.3	1849.6	1736.9	1584.3	1436.6	1315.5	145°	425.4	426.0	427.4	428.9	427.0
1967.4	2010.5	1914.3	1799.8	1660.4	1511.2	1380.2	147.5°	444.1	444.6	446.1	447.5	444.6
2101.8	2120.0	1980.7	1857.9	1721.9	1587.6	1468.1	150°	460.3	460.3	462.3	464.2	461.3
2246.0	2221.1	2050.3	1906.0	1771.6	1668.8	1571.0	152.5°	477.0	477.0	478.4	480.0	477.0
2370.4	2315.7	2115.0	1954.2	1833.0	1746.8	1678.8	155°	494.2	494.7	496.1	497.6	495.7
2463.3	2392.1	2176.4	2000.5	1892.7	1839.7	1806.5	157.5°	507.9	508.4	510.9	513.3	510.3
2543.0	2464.9	2224.6	2068.5	1975.6	1955.8	1967.4	160°	520.2	520.2	521.6	523.2	521.2
2642.5	2543.0	2289.2	2144.8	2088.5	2108.4	2174.8	162.5°	529.0	528.0	529.0	530.0	527.0
2796.9	2667.3	2396.9	2254.4	2227.8	2299.1	2425.2	165°	538.8	537.8	538.8	539.8	537.8
3045.6	2893.0	2587.7	2445.2	2413.6	2523.1	2703.9	167.5°	548.1	548.7	550.6	552.5	550.6
3261.3	3145.1	2839.9	2667.3	2654.1	2771.9	2969.3	170°	554.5	555.5	557.9	560.5	558.5
3359.1	3347.5	3100.4	2941.1	2921.2	3030.7	3218.2	172.5°	556.9	557.5	558.9	560.5	557.5
3350.9	3447.1	3312.7	3199.9	3131.9	3223.1	3405.6	175°	558.5	557.5	558.9	560.5	557.5
3229.8	3387.3	3399.0	3372.3	3249.7	3256.3	3385.7	177.5°	563.3	563.3	564.9	566.3	563.3
2992.5	3180.0	3375.7	3367.5	3211.5	3073.8	3100.4	180°	565.3	565.3	565.3	565.3	565.3
2655.7	2816.6	3128.5	3191.6	2969.3	2712.3	2591.1						
2128.3	2315.7	2778.5	2866.4	2563.0	2201.3	2013.8						
1468.1	1715.2	2425.2	2433.5	2080.1	1731.8	1529.5						
1008.5	1220.9	1960.7	1982.3	1650.5	1313.8	1139.6						
678.5	817.7	1438.2	1347.0	1089.8	910.7	865.9						
428.0	509.2	904.1	844.4	718.3	656.9	673.5						
199.1	278.7	494.3	482.7	452.8	396.4	344.9						
5.0	14.9	96.2	63.0	63.0	36.5	13.3						
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°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
157.0	156.0	155.0	155.0	155.0	155.0	2.5°	1347.0	1351.9	1350.3	1338.7	1308.8	1297.2
178.7	177.7	176.7	177.1	177.7	177.1	5°	1509.5	1517.9	1507.9	1479.7	1403.4	1367.0
202.2	201.2	200.2	200.2	200.2	200.2	7.5°	1624.0	1630.6	1614.1	1549.4	1413.3	1351.9
228.7	226.7	224.8	224.3	223.8	223.8	10°	1645.5	1660.4	1642.2	1549.4	1391.7	1315.5
252.2	250.8	249.3	249.3	249.3	248.8	12.5°	1584.3	1615.7	1602.5	1534.5	1381.9	1300.6
275.8	274.3	272.8	272.4	271.8	272.4	15°	1489.6	1492.9	1501.2	1499.6	1363.5	1283.9
299.3	297.9	296.4	295.9	295.5	295.5	17.5°	1385.2	1381.9	1391.7	1423.3	1358.6	1295.5
322.9	321.4	320.0	319.4	319.0	319.0	20°	1290.5	1285.7	1295.5	1327.1	1338.7	1323.7
344.5	343.5	342.5	342.1	341.5	341.5	22.5°	1230.9	1214.3	1212.6	1259.1	1348.6	1388.4
367.0	365.1	363.2	362.6	362.2	362.2	25°	1197.7	1179.5	1187.6	1240.8	1390.0	1464.8
388.7	386.7	384.7	383.8	382.8	382.8	27.5°	1187.6	1167.9	1179.5	1239.1	1433.2	1557.6
408.3	406.8	405.3	404.9	404.3	404.3	30°	1194.4	1174.4	1179.5	1250.8	1454.7	1579.2
428.9	427.4	426.0	425.4	425.0	425.4	32.5°	1232.6	1197.7	1194.4	1285.7	1494.6	1627.3
447.5	446.1	444.6	444.1	443.7	444.6	35°	1283.9	1234.2	1227.5	1342.0	1546.1	1688.7
464.2	462.3	460.3	460.3	460.3	461.3	37.5°	1370.2	1308.8	1298.9	1436.6	1615.7	1740.1
480.0	478.4	477.0	477.0	477.0	477.4	40°	1486.3	1424.9	1424.9	1557.6	1710.2	1811.4
497.6	496.1	494.7	494.2	493.7	494.2	42.5°	1617.4	1577.5	1584.3	1703.6	1818.1	1901.0
513.3	510.9	508.4	507.9	507.5	508.4	45°	1791.5	1770.0	1803.2	1887.8	1927.5	1984.0
523.2	521.6	520.2	520.2	520.2	521.2	47.5°	1995.6	2013.8	2060.3	2086.9	2038.7	2068.5
530.0	529.0	528.0	529.0	530.0	531.0	50°	2251.1	2299.1	2343.9	2337.3	2176.4	2166.4
539.8	538.8	537.8	538.8	539.8	541.3	52.5°	2544.7	2607.7	2639.2	2602.7	2330.7	2272.6
552.5	550.6	548.7	548.1	547.7	548.7	55°	2843.2	2919.5	2909.6	2868.1	2498.2	2420.2
560.5	557.9	555.5	554.5	553.5	554.1	57.5°	3113.6	3173.4	3199.9	3110.3	2702.2	2599.3
560.5	558.9	557.5	556.9	556.5	557.5	60°	3327.6	3392.3	3392.3	3304.3	2924.5	2805.0
560.5	558.9	557.5	558.5	559.5	560.9	62.5°	3483.5	3535.0	3516.8	3432.2	3115.3	3024.1
566.3	564.9	563.3	563.3	563.3	564.9	65°	3471.9	3476.9	3456.9	3425.5	3229.8	3219.7
565.3	565.3	565.3	565.3	565.3	565.3	67.5°	3145.1	3146.9	3186.6	3173.4	3143.5	3266.2
						70°	2577.9	2604.4	2672.4	2652.4	2805.0	3057.2
						72.5°	1962.3	1979.0	2060.3	2042.0	2249.4	2526.4
						75°	1428.2	1426.6	1461.5	1435.0	1697.0	2005.6
						77.5°	1099.9	1069.9	1063.3	1066.6	1202.7	1458.1
						80°	887.4	887.4	877.6	841.0	736.5	852.6
						82.5°	708.3	680.2	630.3	559.0	472.8	504.3
						85°	353.3	343.4	300.2	248.8	207.4	275.4
						87.5°	1.7	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°
1159.5	1159.5	1159.5	1159.5	1159.5	112.5°	133.5	132.5	131.5	129.5	126.6	125.1	124.4
1292.2	1279.0	1264.1	1264.1	1250.8	115°	155.0	154.1	153.1	151.2	148.2	147.2	146.7
1345.3	1318.8	1297.2	1277.3	1257.4	117.5°	176.7	176.2	175.7	173.7	170.8	169.8	169.3
1318.8	1287.2	1260.7	1225.8	1194.4	120°	200.2	199.2	198.3	197.3	194.3	193.3	192.9
1279.0	1244.2	1206.0	1169.4	1124.7	122.5°	223.8	223.3	222.8	221.8	218.8	217.9	217.4
1257.4	1215.9	1169.4	1131.3	1079.9	125°	248.3	247.8	247.3	246.3	243.4	242.9	242.6
1240.8	1197.7	1156.2	1119.6	1074.9	127.5°	272.8	271.8	270.9	269.0	267.0	266.0	265.4
1267.4	1225.8	1196.0	1154.5	1119.6	130°	295.5	294.5	293.5	292.5	288.5	288.1	287.7
1312.2	1287.2	1264.1	1237.4	1209.3	132.5°	319.0	317.6	316.0	315.0	312.1	311.6	311.4
1396.8	1393.5	1391.7	1371.8	1351.9	135°	341.5	340.1	338.6	338.6	334.7	333.7	333.2
1503.0	1516.2	1534.5	1534.5	1534.5	137.5°	362.2	361.2	360.2	360.2	357.3	356.8	356.4
1612.4	1645.5	1680.4	1695.3	1705.3	140°	382.8	382.3	381.8	380.8	378.8	378.4	378.1
1643.9	1692.0	1746.8	1783.2	1808.1	142.5°	404.3	403.4	402.4	402.4	399.5	399.9	400.3
1695.3	1750.1	1811.4	1852.9	1897.7	145°	426.0	425.0	424.0	423.0	420.0	420.0	420.0
1756.6	1804.9	1867.8	1924.3	1988.9	147.5°	445.6	445.1	444.6	443.7	439.7	439.2	438.9
1808.1	1871.2	1939.2	2012.1	2095.0	150°	462.3	461.8	461.3	460.3	456.4	455.9	455.6
1886.1	1952.5	2027.0	2125.0	2226.2	152.5°	478.0	477.4	477.0	476.0	473.0	473.6	473.9
1972.4	2043.6	2121.7	2219.5	2337.3	155°	494.7	494.2	493.7	493.7	491.7	492.2	492.5
2047.0	2110.0	2194.6	2295.8	2430.2	157.5°	509.4	509.4	509.4	509.4	506.5	506.9	507.3
2118.3	2176.4	2275.9	2378.7	2511.5	160°	522.2	522.2	522.2	522.2	519.2	519.2	519.2
2212.9	2257.7	2357.2	2475.0	2616.0	162.5°	532.0	531.4	531.0	531.0	528.0	528.6	528.8
2310.8	2372.2	2481.6	2616.0	2773.6	165°	542.8	542.3	541.8	541.8	537.8	538.4	538.6
2443.5	2516.4	2650.8	2803.4	3002.5	167.5°	549.7	549.7	549.7	550.6	547.7	548.1	548.4
2625.9	2702.2	2844.9	3015.8	3219.7	170°	554.5	555.1	555.5	556.5	554.5	555.1	555.3
2849.9	2924.5	3047.3	3216.5	3407.2	172.5°	558.5	557.9	557.5	558.5	556.5	557.5	557.9
3058.9	3161.8	3272.9	3399.0	3549.9	175°	562.4	561.9	561.4	561.4	558.5	558.9	559.3
3286.1	3365.8	3458.7	3506.7	3591.3	177.5°	566.3	566.3	566.3	567.3	563.3	563.9	564.1
3352.6	3418.9	3500.2	3500.2	3490.2	180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3
3156.7	3258.0	3329.3	3329.3	3244.7								
2745.4	2914.6	2984.2	3027.4	2919.5								
2231.1	2441.9	2556.3	2592.8	2396.9								
1637.3	1771.6	1786.5	1791.5	1527.7								
943.8	1050.1	1088.2	1142.9	915.7								
547.3	587.2	651.9	675.2	557.4								
307.0	310.3	310.3	287.0	233.9								
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°	1159.5	1159.5	1159.5
146.2	145.7	145.3	144.8	2.5°	1247.5	1227.5	1230.9
168.8	168.3	167.8	167.4	5°	1229.2	1201.0	1191.1
192.3	192.1	191.9	191.6	7.5°	1166.2	1118.0	1103.1
216.9	216.7	216.4	216.1	10°	1089.8	1028.5	1016.8
242.5	242.3	241.9	241.6	12.5°	1046.7	977.1	962.2
265.0	264.8	264.6	264.2	15°	1033.5	967.0	950.5
287.5	287.4	287.1	286.8	17.5°	1073.3	1001.9	982.0
311.2	310.4	309.6	308.9	20°	1164.6	1079.9	1056.7
332.7	332.2	331.7	331.3	22.5°	1300.6	1204.3	1176.2
356.3	355.5	354.8	354.1	25°	1484.7	1375.1	1347.0
377.8	377.4	376.9	376.4	27.5°	1673.7	1542.7	1506.2
400.5	399.9	399.5	398.9	30°	1783.2	1662.1	1625.7
420.0	419.6	419.1	418.6	32.5°	1894.3	1778.3	1735.2
438.7	437.9	437.3	436.6	35°	2012.1	1894.3	1851.2
455.4	454.9	454.5	453.9	37.5°	2149.8	2050.3	2012.1
474.0	473.2	472.6	471.9	40°	2314.0	2222.9	2168.1
492.7	492.2	491.7	491.2	42.5°	2450.0	2365.5	2314.0
507.5	506.9	506.5	505.9	45°	2549.6	2478.3	2425.2
519.2	518.7	518.2	517.7	47.5°	2640.8	2586.1	2533.0
529.0	528.2	527.6	526.9	50°	2755.3	2708.9	2672.4
538.8	538.4	537.8	537.4	52.5°	2909.6	2893.0	2861.6
548.7	547.9	547.2	546.5	55°	3136.8	3173.4	3128.5
555.5	554.7	554.1	553.4	57.5°	3352.6	3379.1	3359.1
558.5	557.7	556.9	556.3	60°	3521.6	3485.2	3460.3
559.5	559.3	558.9	558.7	62.5°	3608.0	3518.4	3476.9
564.3	563.9	563.3	562.9	65°	3612.9	3475.3	3412.2
565.3	565.3	565.3	565.3	67.5°	3500.2	3339.2	3266.2
				70°	3196.6	3010.8	2914.6
				72.5°	2685.7	2400.3	2335.6
				75°	1969.1	1619.0	1580.8
				77.5°	1192.7	930.6	880.9
				80°	671.8	534.1	517.5
				82.5°	381.5	300.2	316.8
				85°	155.9	78.0	86.2
				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)