

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: P228585

Luminaire Tested: **ISS-AF-350-LED-E1-SLR-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228585
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-350-LED-E1-SLR-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) 4000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3494.6 lumens
Efficiency: N/A
Efficacy: 95.0 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: B0 - U5 - G1

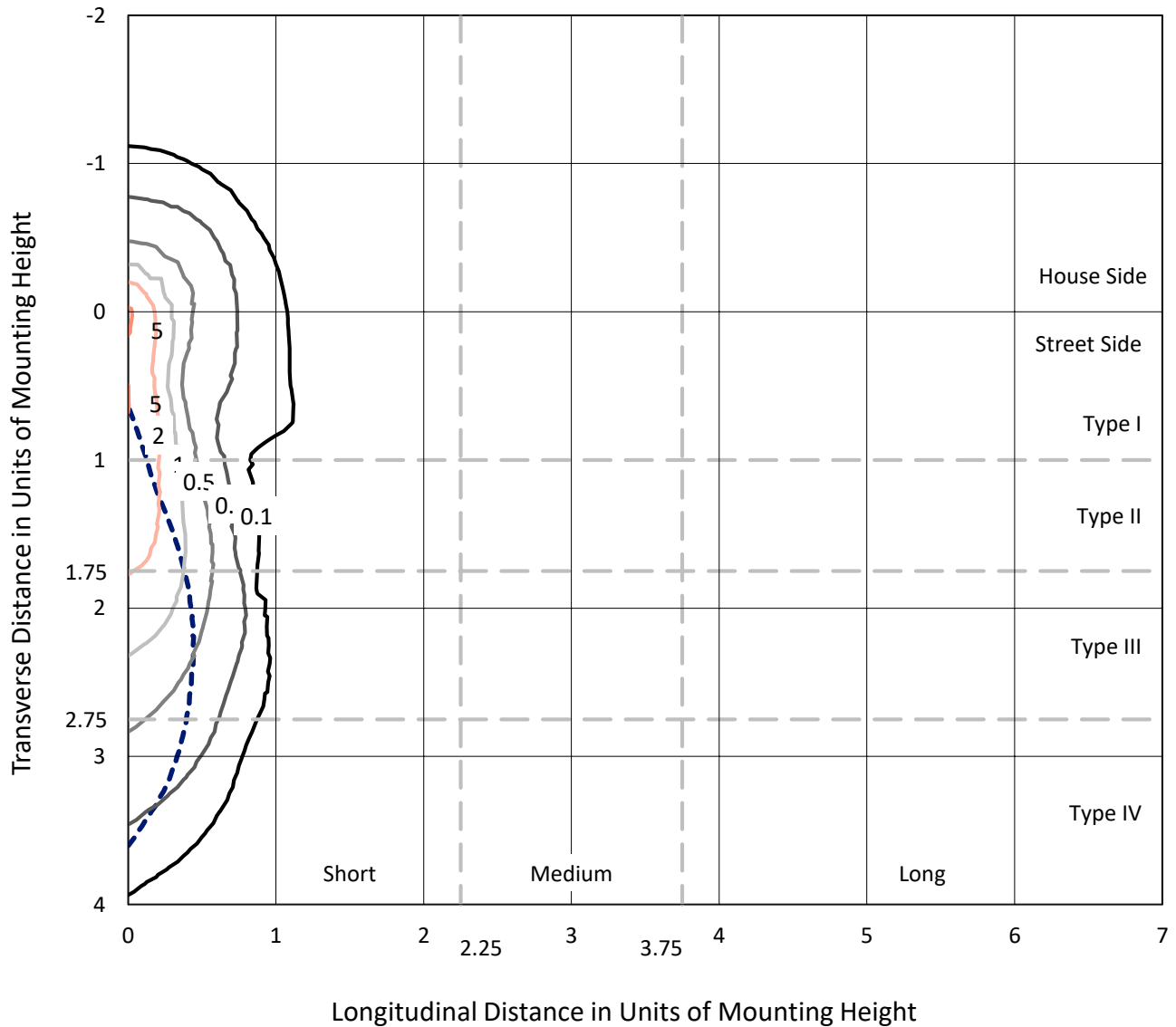
Input Watts (W): 36.79
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

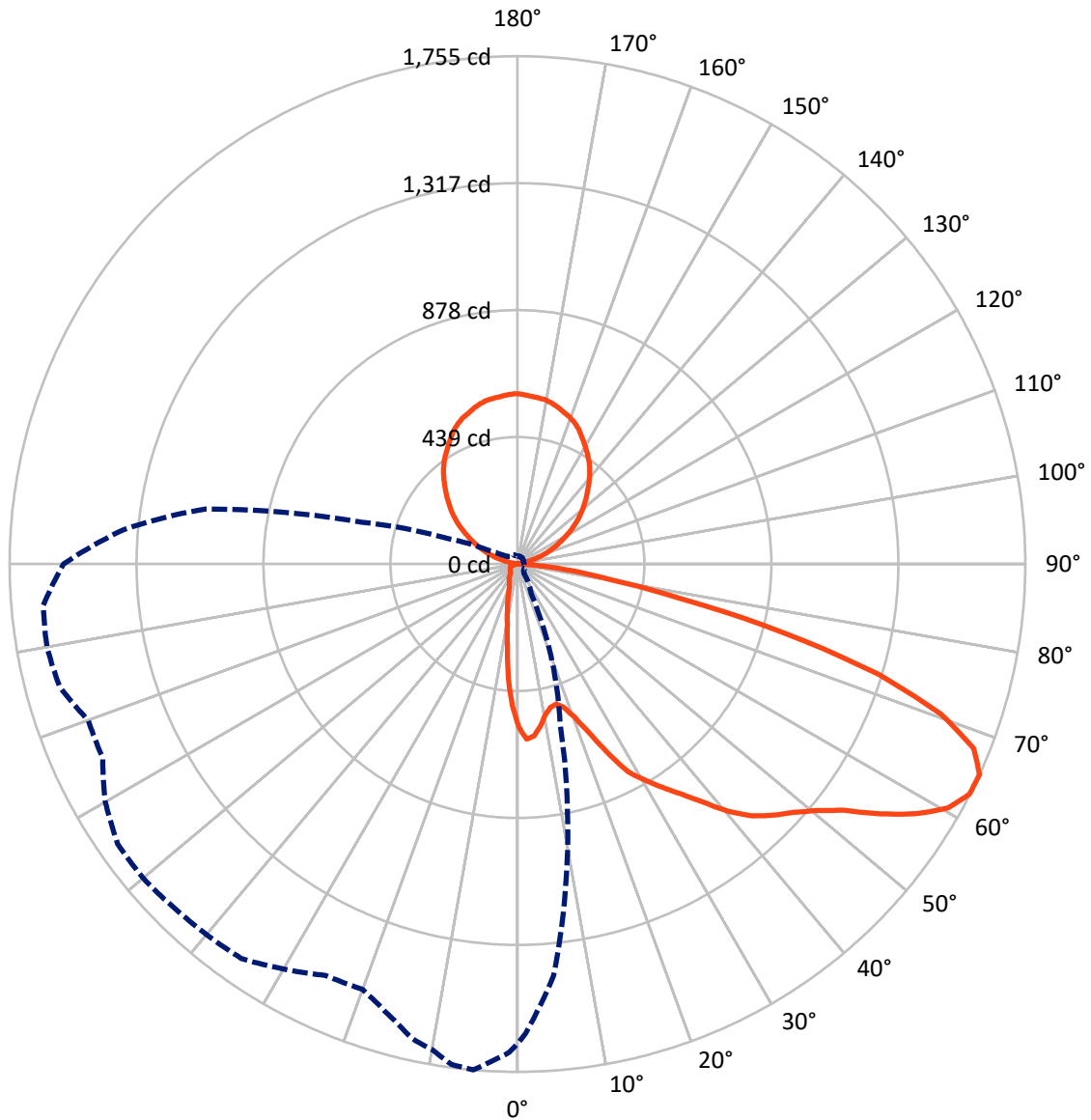
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 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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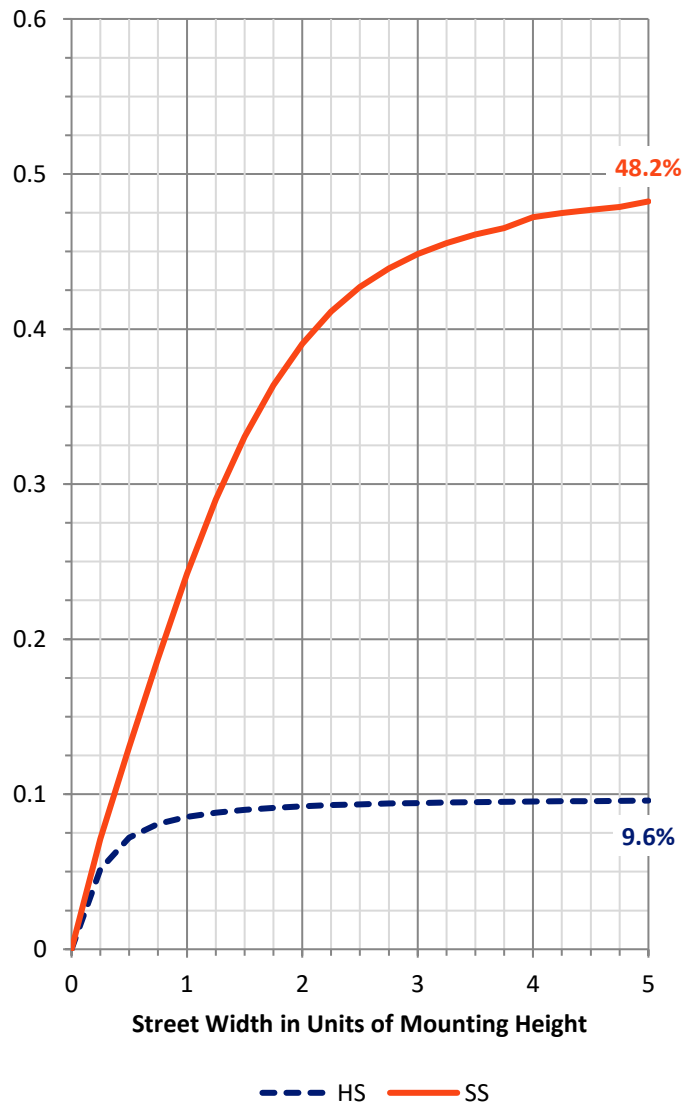
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	338.5	729.4	1067.9
	% Fixture	9.7	20.9	30.6
Street Side	Lumens	1697.2	729.4	2426.6
	% Fixture	48.6	20.9	69.4
Total	Lumens	2035.7	1458.9	3494.6
	% Fixture	58.3	41.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	1.2
10°-20°	89.1	2.6
20°-30°	129.6	3.7
30°-40°	191.6	5.5
40°-50°	279.2	8.0
50°-60°	418.6	12.0
60°-70°	521.6	14.9
70°-80°	305.5	8.7
80°-90°	57.1	1.6
90°-100°	4.8	0.1
100°-110°	70.6	2.0
110°-120°	156.6	4.5
120°-130°	229.0	6.6
130°-140°	271.7	7.8
140°-150°	275.5	7.9
150°-160°	236.4	6.8
160°-170°	158.7	4.5
170°-180°	55.6	1.6
0°-90°	2035.7	58.3
0°-180°	3494.6	100.0



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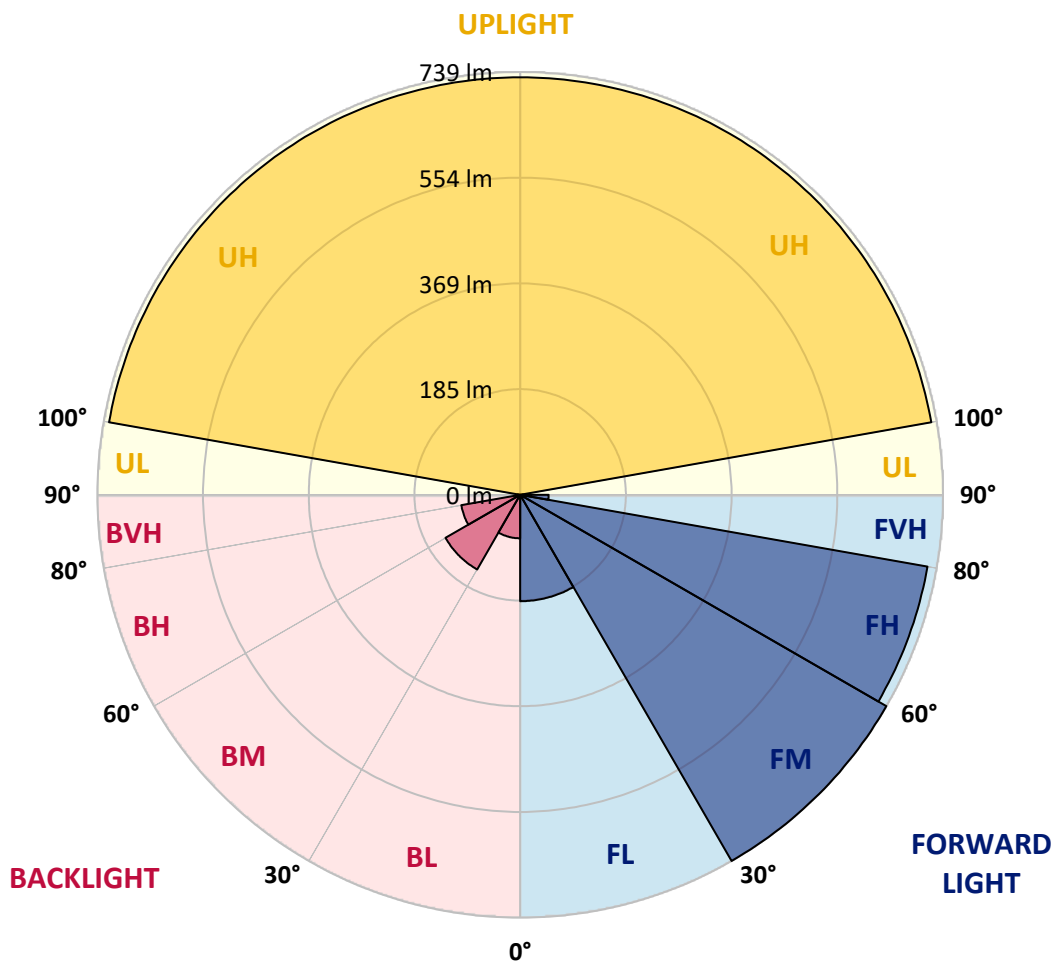
CATALOG NUMBER: ISS-AF-350-LED-E1-SLR-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.0	5.3			
FM (30°-60°)	738.8	21.1			
FH (60°-80°)	722.7	20.7			G1/1800
FVH (80°-90°)	49.8	1.4			G1/100
BL (0°-30°)	76.0	2.2	B0/110		
BM (30°-60°)	150.7	4.3	B0/220		
BH (60°-80°)	104.5	3.0	B0/110		G0/110
BVH (80°-90°)	7.4	0.2			G0/10
UL (90°-100°)	4.8	0.1		U1/10	
UH (100°-180°)	729.4	20.9		U4/1000	

BUG Rating: B0-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°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	598.0	593.2	583.5	564.2	544.0	524.7	521.4	514.2	515.0	511.0	509.3
5°	578.7	572.2	552.1	511.8	477.1	441.6	439.3	424.7	426.4	417.5	412.7
7.5°	535.9	527.1	504.5	448.9	400.6	353.8	348.9	332.0	329.6	320.8	313.5
10°	494.1	485.2	457.0	393.3	337.7	303.0	297.4	289.3	282.8	278.9	271.6
12.5°	467.5	462.6	428.7	355.4	311.9	283.7	276.4	268.4	262.0	254.7	247.5
15°	461.8	452.1	417.5	343.3	292.6	257.9	249.0	240.2	232.9	225.7	215.2
17.5°	477.1	467.5	428.7	337.7	270.8	228.9	217.6	205.5	198.2	189.3	178.1
20°	513.4	498.1	450.5	329.6	247.5	195.1	181.4	166.8	158.8	143.4	135.4
22.5°	571.4	552.1	487.6	329.6	225.7	159.6	144.2	131.3	122.5	108.8	99.9
25°	654.4	637.5	548.0	338.5	206.3	129.7	114.5	101.6	92.7	83.0	77.3
27.5°	731.8	705.2	612.5	351.4	191.0	108.8	93.5	83.0	76.5	71.7	68.5
30°	789.8	768.0	668.9	360.3	168.5	91.0	81.4	75.0	71.7	69.4	67.7
32.5°	843.0	818.1	709.2	365.9	154.8	77.3	68.5	63.6	60.5	57.2	56.4
35°	899.4	875.2	756.8	365.1	145.9	70.9	62.1	56.4	53.2	52.4	50.7
37.5°	977.6	944.6	811.6	365.1	142.7	68.5	58.0	52.4	49.9	48.4	47.6
40°	1053.3	1016.3	872.1	367.5	139.4	66.9	58.0	52.4	48.4	46.7	45.1
42.5°	1124.3	1083.2	926.8	371.5	137.8	62.1	54.8	51.6	49.9	46.7	44.3
45°	1178.2	1146.0	969.6	379.6	137.8	58.8	51.6	49.2	48.4	48.4	47.6
47.5°	1230.7	1194.4	1018.8	394.9	140.2	56.4	49.2	45.9	45.9	45.9	46.7
50°	1298.3	1255.7	1086.4	426.4	140.2	55.6	46.7	43.5	42.8	44.3	44.3
52.5°	1390.3	1359.6	1185.5	471.5	138.6	54.8	45.9	41.1	40.3	41.1	42.8
55°	1520.0	1485.3	1305.6	527.1	137.0	53.2	44.3	40.3	38.7	37.8	38.7
57.5°	1632.0	1602.2	1416.1	571.4	133.0	49.2	42.8	39.5	37.0	36.3	35.5
60°	1681.2	1656.2	1487.0	601.2	125.7	45.1	40.3	37.8	35.5	34.7	33.9
62.5°	1689.2	1657.8	1487.8	607.6	117.6	41.1	37.8	35.5	33.9	33.0	32.2
65°	1657.8	1622.4	1429.0	568.1	111.2	41.1	36.3	33.9	31.4	30.6	29.9
67.5°	1586.9	1532.1	1279.8	481.9	105.6	41.9	35.5	31.4	29.9	29.1	28.2
70°	1416.1	1354.8	1080.7	382.8	103.1	42.8	35.5	29.9	27.4	26.6	26.6
72.5°	1134.8	1064.7	843.0	288.6	99.1	43.5	34.7	28.2	25.8	24.1	24.1
75°	768.0	706.9	571.4	195.1	82.2	37.8	31.4	25.8	22.6	21.0	20.2
77.5°	428.0	407.9	363.5	103.1	52.4	28.2	24.1	21.0	18.5	17.7	16.9
80°	251.4	241.0	214.4	57.2	32.2	16.2	14.5	13.7	12.1	12.1	12.1
82.5°	154.0	143.4	133.0	25.8	15.3	8.1	8.1	6.4	6.4	5.6	5.6
85°	41.9	38.7	54.0	5.6	1.6	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	3.1	4.1	5.3	6.6	8.0	9.2	10.2
100°	8.2	8.2	8.2	10.2	14.3	22.5	24.6	26.6	28.6	30.7	31.2
102.5°	28.6	28.6	28.6	32.7	38.9	46.0	47.3	48.6	49.9	51.1	51.4
105°	55.2	55.2	55.2	57.3	62.4	67.5	68.5	69.6	70.6	71.6	71.8
107.5°	79.8	79.6	78.8	81.8	85.9	90.0	90.8	91.6	92.3	93.1	93.6
110°	103.3	103.5	104.3	105.4	108.4	112.5	113.0	113.5	114.1	114.6	115.1



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CATALOG NUMBER: ISS-AF-350-LED-E1-SLR-ULG

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
112.5°	126.8	126.8	126.8	128.9	132.0	135.0	135.5	136.1	136.6	137.1	137.6
115°	149.4	149.6	150.4	152.4	154.5	157.5	158.0	158.6	159.1	159.6	160.1
117.5°	172.9	173.1	173.9	175.9	178.0	181.1	181.6	182.1	182.6	183.1	183.3
120°	197.4	197.8	199.5	200.5	202.5	205.6	205.8	206.1	206.4	206.6	207.1
122.5°	224.0	224.2	225.0	226.1	228.1	231.2	231.4	231.7	232.0	232.2	232.4
125°	249.6	250.0	251.6	252.7	253.7	256.8	257.0	257.3	257.6	257.8	258.0
127.5°	273.1	273.5	275.2	276.2	278.2	280.3	280.8	281.3	281.8	282.3	282.8
130°	296.7	297.1	298.7	299.7	300.7	304.8	305.0	305.4	305.7	305.9	306.4
132.5°	320.2	320.4	321.2	324.3	325.3	328.4	328.6	328.9	329.2	329.4	330.2
135°	343.7	343.9	344.7	346.8	348.8	352.9	352.9	352.9	352.9	352.9	353.7
137.5°	367.2	367.4	368.3	371.3	372.4	375.4	375.4	375.4	375.4	375.4	375.9
140°	390.8	391.0	391.8	393.8	394.9	396.9	397.1	397.4	397.7	397.9	398.1
142.5°	413.3	413.7	415.3	417.4	416.3	419.4	419.4	419.4	419.4	419.4	419.9
145°	434.8	435.0	435.8	437.8	437.8	440.9	441.1	441.4	441.7	441.9	442.4
147.5°	454.2	454.2	454.2	457.3	458.3	462.4	462.6	462.9	463.2	463.4	463.6
150°	471.6	471.8	472.6	474.6	475.7	479.8	480.0	480.3	480.6	480.8	481.0
152.5°	490.0	490.2	491.0	494.1	493.1	496.1	496.3	496.6	496.9	497.2	497.4
155°	510.5	510.7	511.5	513.5	512.5	514.5	514.5	514.5	514.5	514.5	514.7
157.5°	524.8	525.2	526.8	528.9	527.8	530.9	530.9	530.9	530.9	530.9	530.9
160°	537.0	537.5	539.1	541.1	541.1	544.2	544.2	544.2	544.2	544.2	544.2
162.5°	547.3	547.5	548.3	551.4	550.3	553.4	553.4	553.4	553.4	553.4	553.6
165°	558.5	558.7	559.6	561.6	560.6	564.7	564.7	564.7	564.7	564.7	564.9
167.5°	567.7	567.9	568.8	571.8	570.8	573.9	573.7	573.4	573.1	572.9	572.9
170°	574.9	575.1	575.9	579.0	578.0	580.0	579.8	579.5	579.2	579.0	578.8
172.5°	578.0	578.2	579.0	582.1	580.0	582.1	581.9	581.5	581.2	581.0	581.2
175°	580.0	580.4	582.1	583.1	582.1	585.1	585.1	585.1	585.1	585.1	585.3
177.5°	585.1	585.3	586.2	588.2	587.2	591.3	591.1	590.8	590.4	590.2	590.2
180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2



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CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	502.9	501.2	501.2	489.2	489.2	482.7	481.2	481.2	483.5	481.9	472.3
5°	404.6	399.8	396.5	382.0	378.0	370.7	367.5	366.7	369.1	365.1	352.2
7.5°	304.6	300.6	295.7	284.5	279.7	278.9	269.1	266.8	265.1	262.0	253.9
10°	266.0	260.3	256.2	248.3	242.5	238.6	230.5	226.5	223.2	218.4	215.9
12.5°	239.4	233.7	228.1	217.6	210.3	205.5	200.7	192.6	189.3	183.7	180.6
15°	206.3	199.9	193.4	182.2	172.5	167.7	157.9	153.1	149.9	143.4	140.2
17.5°	166.0	157.1	149.9	139.4	134.6	126.5	120.9	112.8	106.4	103.9	101.6
20°	124.9	116.8	110.4	101.6	96.7	90.2	87.1	81.4	78.2	76.5	75.0
22.5°	91.9	85.4	81.4	76.5	74.2	71.7	70.1	68.5	66.9	66.1	66.1
25°	72.5	70.1	68.5	66.9	66.1	65.3	63.6	62.9	62.1	61.3	61.3
27.5°	66.1	64.4	63.6	62.9	62.1	60.5	60.5	58.8	58.0	58.0	57.2
30°	66.9	66.9	66.9	65.3	64.4	62.9	62.1	59.6	58.0	56.4	55.6
32.5°	54.8	54.8	54.0	52.4	51.6	50.7	50.7	49.2	48.4	48.4	49.9
35°	49.9	49.2	48.4	46.7	45.9	44.3	43.5	42.8	41.9	41.1	41.1
37.5°	47.6	46.7	45.9	44.3	43.5	42.8	41.9	40.3	39.5	39.5	38.7
40°	45.1	45.1	45.1	43.5	42.8	41.1	40.3	39.5	38.7	37.8	37.8
42.5°	43.5	43.5	43.5	42.8	41.9	41.1	39.5	38.7	37.8	37.0	36.3
45°	44.3	43.5	43.5	42.8	41.9	40.3	39.5	37.8	37.0	36.3	35.5
47.5°	47.6	46.7	45.1	43.5	41.9	40.3	38.7	37.0	36.3	35.5	34.7
50°	45.1	48.4	49.2	46.7	42.8	40.3	38.7	37.0	35.5	34.7	33.9
52.5°	44.3	45.1	48.4	48.4	44.3	41.1	38.7	37.0	35.5	33.9	33.0
55°	40.3	42.8	43.5	44.3	43.5	40.3	37.8	35.5	34.7	33.0	31.4
57.5°	35.5	37.0	37.8	39.5	40.3	39.5	36.3	33.9	33.0	31.4	29.9
60°	33.0	33.0	33.0	33.9	37.8	41.1	37.8	33.0	30.6	29.9	28.2
62.5°	30.6	30.6	29.9	30.6	31.4	35.5	34.7	31.4	29.9	29.1	27.4
65°	29.9	29.1	28.2	28.2	28.2	28.2	28.2	28.2	27.4	27.4	26.6
67.5°	27.4	26.6	26.6	25.8	25.8	25.8	25.8	25.8	25.0	25.0	24.1
70°	25.8	25.0	24.1	24.1	24.1	23.3	23.3	23.3	22.6	22.6	22.6
72.5°	23.3	22.6	22.6	22.6	21.8	21.8	21.8	21.0	21.0	20.2	20.2
75°	20.2	20.2	19.3	19.3	19.3	18.5	18.5	18.5	18.5	17.7	17.7
77.5°	16.9	16.2	16.9	16.2	16.2	16.2	16.2	16.2	15.3	15.3	14.5
80°	11.3	11.3	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	11.3
82.5°	6.4	5.6	6.4	6.4	6.4	7.3	7.3	8.1	7.3	7.3	6.4
85°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	1.6	1.6
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°	11.3	12.3	13.3	11.8	10.2	8.7	7.2	6.6	6.1	5.6	5.1
100°	31.7	32.2	32.7	32.2	31.7	31.2	30.7	29.9	29.2	28.4	27.6
102.5°	51.7	52.0	52.2	52.0	51.7	51.4	51.1	50.6	50.1	49.6	49.1
105°	72.1	72.4	72.6	72.6	72.6	72.6	72.6	72.1	71.6	71.1	70.6
107.5°	94.1	94.6	95.1	94.9	94.6	94.3	94.1	93.9	93.6	93.3	93.1
110°	115.6	116.1	116.6	116.6	116.6	116.6	116.6	116.4	116.1	115.8	115.6



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CATALOG NUMBER: ISS-AF-350-LED-E1-SLR-ULG

CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
112.5°	138.1	138.6	139.1	139.1	139.1	139.1	139.1	138.9	138.6	138.3	138.1
115°	160.6	161.1	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6
117.5°	183.6	183.9	184.1	184.3	184.6	184.9	185.2	184.9	184.6	184.3	184.1
120°	207.7	208.2	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7
122.5°	232.7	233.0	233.2	233.2	233.2	233.2	233.2	233.4	233.7	234.1	234.3
125°	258.3	258.6	258.8	259.0	259.3	259.6	259.8	259.8	259.8	259.8	259.8
127.5°	283.4	283.9	284.4	284.2	283.9	283.6	283.4	283.6	283.9	284.2	284.4
130°	306.9	307.4	307.9	307.9	307.9	307.9	307.9	308.1	308.4	308.7	308.9
132.5°	330.9	331.6	332.5	332.5	332.5	332.5	332.5	332.7	333.0	333.3	333.5
135°	354.5	355.2	356.0	356.0	356.0	356.0	356.0	356.2	356.5	356.8	357.0
137.5°	376.4	377.0	377.5	377.5	377.5	377.5	377.5	377.7	378.0	378.3	378.5
140°	398.4	398.7	399.0	399.0	399.0	399.0	399.0	399.5	400.0	400.5	401.0
142.5°	420.4	420.9	421.5	421.5	421.5	421.5	421.5	421.7	422.0	422.3	422.5
145°	442.9	443.4	444.0	443.8	443.4	443.1	442.9	443.1	443.4	443.8	444.0
147.5°	463.9	464.2	464.4	463.9	463.4	462.9	462.4	462.6	462.9	463.2	463.4
150°	481.3	481.6	481.8	481.3	480.8	480.3	479.8	479.8	479.8	479.8	479.8
152.5°	497.7	498.0	498.2	498.0	497.7	497.4	497.2	497.2	497.2	497.2	497.2
155°	515.1	515.4	515.6	515.4	515.1	514.7	514.5	514.7	515.1	515.4	515.6
157.5°	530.9	530.9	530.9	530.4	529.9	529.4	528.9	529.1	529.4	529.7	529.9
160°	544.2	544.2	544.2	543.7	543.2	542.7	542.2	542.2	542.2	542.2	542.2
162.5°	553.9	554.2	554.4	553.9	553.4	552.9	552.4	551.9	551.4	550.9	550.3
165°	565.2	565.5	565.7	564.9	564.2	563.4	562.6	562.1	561.6	561.1	560.6
167.5°	572.9	572.9	572.9	572.3	571.8	571.3	570.8	571.0	571.3	571.6	571.8
170°	578.5	578.2	578.0	577.8	577.5	577.1	576.9	577.5	578.0	578.5	579.0
172.5°	581.5	581.9	582.1	581.5	581.0	580.5	580.0	580.2	580.5	580.8	581.0
175°	585.6	585.9	586.2	585.3	584.6	583.9	583.1	582.6	582.1	581.5	581.0
177.5°	590.2	590.2	590.2	589.4	588.7	588.0	587.2	587.2	587.2	587.2	587.2
180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2



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CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	477.1	476.3	468.2	469.8	467.5	462.6	463.4	464.2	465.9	462.6	461.0
5°	358.6	359.5	348.9	352.2	349.7	348.9	351.4	355.4	357.8	357.0	354.7
7.5°	254.7	255.5	246.6	245.8	243.4	242.5	245.8	249.8	252.3	251.4	252.3
10°	210.3	208.0	199.9	194.3	188.6	183.7	182.9	182.9	182.9	181.4	179.7
12.5°	174.1	171.7	162.0	157.1	152.3	145.9	145.1	144.2	141.9	139.4	136.2
15°	135.4	133.0	124.9	121.7	117.6	115.3	114.5	114.5	112.8	111.2	109.6
17.5°	98.3	96.7	91.9	88.7	87.9	88.7	89.5	91.0	91.9	92.7	92.7
20°	74.2	73.3	71.7	71.7	72.5	75.0	75.8	78.2	79.0	80.6	82.2
22.5°	65.3	65.3	64.4	64.4	66.1	68.5	70.1	70.9	71.7	72.5	72.5
25°	60.5	60.5	59.6	61.3	63.6	63.6	63.6	63.6	62.1	61.3	61.3
27.5°	57.2	57.2	57.2	58.0	57.2	56.4	56.4	56.4	55.6	55.6	54.8
30°	54.8	54.8	54.8	54.0	54.0	53.2	53.2	52.4	52.4	51.6	51.6
32.5°	50.7	49.2	50.7	49.2	49.2	48.4	49.2	49.2	47.6	47.6	47.6
35°	40.3	39.5	39.5	39.5	38.7	39.5	41.1	41.1	41.1	41.1	41.1
37.5°	37.8	37.8	37.0	36.3	36.3	35.5	36.3	35.5	35.5	35.5	36.3
40°	37.0	36.3	35.5	35.5	34.7	33.9	33.9	33.9	33.9	33.9	33.9
42.5°	35.5	35.5	33.9	33.0	33.0	32.2	32.2	32.2	32.2	32.2	32.2
45°	34.7	33.9	33.0	32.2	31.4	31.4	31.4	31.4	31.4	31.4	30.6
47.5°	33.9	33.0	32.2	31.4	30.6	29.9	29.9	29.9	29.9	29.9	29.9
50°	33.0	32.2	30.6	30.6	29.9	29.1	29.1	29.1	29.1	29.1	29.1
52.5°	31.4	31.4	29.9	29.1	28.2	28.2	28.2	28.2	28.2	28.2	28.2
55°	29.9	29.9	28.2	27.4	26.6	26.6	26.6	26.6	27.4	27.4	27.4
57.5°	29.1	28.2	26.6	26.6	25.0	25.0	25.0	25.8	25.8	26.6	26.6
60°	27.4	26.6	25.8	25.0	25.0	24.1	24.1	24.1	24.1	25.0	25.0
62.5°	26.6	25.8	24.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
65°	25.0	25.0	23.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
67.5°	23.3	23.3	21.8	21.0	21.0	21.0	21.8	21.0	21.0	21.0	21.0
70°	21.8	21.0	20.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
72.5°	19.3	19.3	18.5	17.7	17.7	17.7	17.7	17.7	17.7	17.7	18.5
75°	16.9	16.2	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
77.5°	14.5	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.7
80°	10.4	9.7	9.7	9.7	9.7	10.4	10.4	10.4	10.4	10.4	10.4
82.5°	6.4	5.6	5.6	5.6	6.4	7.3	7.3	7.3	7.3	8.1	8.1
85°	1.6	1.6	1.6	1.6	3.3	4.0	4.0	4.0	4.8	4.0	4.0
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°	4.9	4.6	4.1	4.1	4.1	4.6	4.9	5.1	5.6	6.1	6.6
100°	27.4	27.1	26.6	25.6	26.6	27.1	27.4	27.6	28.4	29.2	29.9
102.5°	49.3	49.6	50.1	49.1	50.1	49.6	49.3	49.1	49.6	50.1	50.6
105°	71.1	71.6	72.6	70.6	72.6	71.6	71.1	70.6	71.1	71.6	72.1
107.5°	93.3	93.6	94.1	93.1	94.1	93.6	93.3	93.1	93.3	93.6	93.9
110°	115.8	116.1	116.6	115.6	116.6	116.1	115.8	115.6	115.8	116.1	116.4



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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°	138.6	139.1	140.1	138.1	140.1	139.1	138.6	138.1	138.3	138.6	138.9	0°
115°	162.1	162.6	163.7	162.6	163.7	162.6	162.1	161.6	161.6	161.6	161.6	2.5°
117.5°	184.6	185.2	186.2	184.1	186.2	185.2	184.6	184.1	184.3	184.6	184.9	5°
120°	209.2	209.7	210.7	208.7	210.7	209.7	209.2	208.7	208.7	208.7	208.7	7.5°
122.5°	235.3	236.3	238.3	237.3	238.3	236.3	235.3	234.3	234.1	233.7	233.4	10°
125°	260.6	261.4	262.9	261.9	262.9	261.4	260.6	259.8	259.8	259.8	259.8	12.5°
127.5°	285.2	285.9	287.4	284.4	287.4	285.9	285.2	284.4	284.2	283.9	283.6	15°
130°	309.7	310.5	312.0	310.0	312.0	310.5	309.7	308.9	308.7	308.4	308.1	17.5°
132.5°	334.3	335.0	336.6	334.5	336.6	335.0	334.3	333.5	333.3	333.0	332.7	20°
135°	357.5	358.0	359.1	358.0	359.1	358.0	357.5	357.0	356.8	356.5	356.2	22.5°
137.5°	379.5	380.5	382.6	380.5	382.6	380.5	379.5	378.5	378.3	378.0	377.7	25°
140°	402.0	403.0	405.1	403.0	405.1	403.0	402.0	401.0	400.5	400.0	399.5	27.5°
142.5°	423.3	424.0	425.5	424.5	425.5	424.0	423.3	422.5	422.3	422.0	421.7	30°
145°	444.8	445.5	447.0	445.0	447.0	445.5	444.8	444.0	443.8	443.4	443.1	32.5°
147.5°	464.2	464.9	466.5	463.4	466.5	464.9	464.2	463.4	463.2	462.9	462.6	35°
150°	480.8	481.8	483.9	480.8	483.9	481.8	480.8	479.8	479.8	479.8	479.8	37.5°
152.5°	498.0	498.7	500.2	497.2	500.2	498.7	498.0	497.2	497.2	497.2	497.2	40°
155°	516.4	517.1	518.6	516.6	518.6	517.1	516.4	515.6	515.4	515.1	514.7	42.5°
157.5°	531.1	532.4	535.0	531.9	535.0	532.4	531.1	529.9	529.7	529.4	529.1	45°
160°	543.0	543.7	545.2	543.2	545.2	543.7	543.0	542.2	542.2	542.2	542.2	47.5°
162.5°	550.9	551.4	552.4	549.3	552.4	551.4	550.9	550.3	550.9	551.4	551.9	50°
165°	561.1	561.6	562.6	560.6	562.6	561.6	561.1	560.6	561.1	561.6	562.1	52.5°
167.5°	572.9	573.9	575.9	573.9	575.9	573.9	572.9	571.8	571.6	571.3	571.0	55°
170°	580.2	581.5	584.1	582.1	584.1	581.5	580.2	579.0	578.5	578.0	577.5	57.5°
172.5°	581.9	582.6	584.1	581.0	584.1	582.6	581.9	581.0	580.8	580.5	580.2	60°
175°	581.9	582.6	584.1	581.0	584.1	582.6	581.9	581.0	581.5	582.1	582.6	62.5°
177.5°	588.0	588.7	590.2	587.2	590.2	588.7	588.0	587.2	587.2	587.2	587.2	65°
180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	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°
563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	112.5°	139.1
459.4	469.0	469.0	462.6	465.9	462.6	461.8	467.5	470.7	481.2	487.6	115°	161.6
355.4	367.5	368.4	365.1	369.1	366.7	369.1	376.3	382.0	389.2	395.7	117.5°	185.2
253.9	265.1	267.6	265.1	272.4	271.6	273.2	281.3	286.1	290.1	290.9	120°	208.7
178.9	180.6	187.0	185.4	190.2	189.3	191.8	198.2	204.7	207.1	208.8	122.5°	233.2
134.6	133.0	135.4	132.2	134.6	134.6	135.4	139.4	147.5	150.7	158.8	125°	259.8
108.8	107.2	107.2	105.6	105.6	104.8	105.6	108.8	114.5	119.3	125.7	127.5°	283.4
92.7	92.7	92.7	91.9	91.0	91.0	91.9	93.5	96.7	99.9	103.1	130°	307.9
83.0	84.6	85.4	86.2	87.1	87.9	88.7	91.0	90.2	87.1	83.0	132.5°	332.5
72.5	72.5	73.3	73.3	72.5	72.5	72.5	72.5	72.5	75.0	77.3	135°	356.0
60.5	60.5	60.5	61.3	60.5	60.5	61.3	61.3	62.1	63.6	66.1	137.5°	377.5
54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.6	56.4	58.8	60.5	140°	399.0
50.7	50.7	49.9	49.9	49.9	49.2	49.9	49.9	50.7	54.0	56.4	142.5°	421.5
46.7	45.9	45.9	45.9	45.1	45.1	45.1	46.7	47.6	49.2	51.6	145°	442.9
41.1	41.1	41.1	41.9	41.9	41.9	41.9	43.5	43.5	44.3	44.3	147.5°	462.4
37.0	37.0	37.8	38.7	38.7	39.5	39.5	40.3	41.1	40.3	39.5	150°	479.8
33.9	34.7	34.7	36.3	36.3	36.3	37.0	37.8	38.7	37.0	37.0	152.5°	497.2
32.2	32.2	32.2	33.0	33.0	33.0	33.9	34.7	35.5	35.5	35.5	155°	514.5
30.6	30.6	30.6	31.4	30.6	30.6	30.6	31.4	33.0	33.0	33.9	157.5°	528.9
29.9	29.9	29.9	29.1	29.1	29.1	29.1	29.9	30.6	32.2	33.0	160°	542.2
29.1	28.2	28.2	28.2	28.2	28.2	28.2	29.1	29.9	30.6	32.2	162.5°	552.4
27.4	27.4	27.4	27.4	27.4	27.4	27.4	28.2	29.1	29.9	30.6	165°	562.6
27.4	27.4	26.6	26.6	27.4	27.4	27.4	28.2	29.1	29.9	29.9	167.5°	570.8
26.6	25.8	25.8	26.6	26.6	26.6	26.6	27.4	28.2	29.1	29.1	170°	576.9
25.0	25.0	25.0	25.0	25.8	25.8	26.6	27.4	27.4	28.2	28.2	172.5°	580.0
23.3	24.1	24.1	24.1	25.0	25.0	25.8	26.6	27.4	28.2	27.4	175°	583.1
22.6	23.3	23.3	23.3	24.1	24.1	24.1	25.8	26.6	26.6	27.4	177.5°	587.2
21.8	21.8	21.8	22.6	22.6	23.3	23.3	25.0	25.0	25.8	26.6	180°	589.2
20.2	20.2	20.2	21.0	21.0	21.8	22.6	23.3	23.3	24.1	25.0		
18.5	18.5	18.5	19.3	19.3	20.2	21.0	22.6	21.8	22.6	22.6		
16.2	16.2	16.9	16.9	17.7	18.5	19.3	19.3	19.3	19.3	19.3		
13.7	13.7	14.5	14.5	15.3	16.2	16.2	16.2	16.9	16.2	16.2		
11.3	11.3	12.1	12.1	12.1	12.1	12.9	12.1	12.9	12.1	12.9		
8.1	8.1	8.9	8.1	8.9	8.1	8.1	7.3	8.9	8.1	8.1		
3.3	4.0	4.0	4.0	4.0	3.3	3.3	2.5	3.3	3.3	2.5		
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		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
7.2	8.7	10.2	11.8	13.3	12.3	11.3	9.2	4.1	3.1	2.0		
30.7	31.2	31.7	32.2	32.7	32.2	31.7	30.7	22.5	14.3	10.2		
51.1	51.4	51.7	52.0	52.2	52.0	51.7	51.1	46.0	38.9	32.7		
72.6	72.6	72.6	72.6	72.6	72.4	72.1	71.6	67.5	62.4	57.3		
94.1	94.3	94.6	94.9	95.1	94.6	94.1	93.1	90.0	85.9	81.8		
116.6	116.6	116.6	116.6	116.6	116.1	115.6	114.6	112.5	108.4	105.4		

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TION (continued):

CANDELA DISTRIBUTION (con

117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°		175°	180°
139.1	139.1	139.1	139.1	138.6	138.1	137.1	135.0	132.0	128.9	0°	563.3	563.3
161.6	161.6	161.6	161.6	161.1	160.6	159.6	157.5	154.5	152.4	2.5°	490.0	489.2
184.9	184.6	184.3	184.1	183.9	183.6	183.1	181.1	178.0	175.9	5°	396.5	394.9
208.7	208.7	208.7	208.7	208.2	207.7	206.6	205.6	202.5	200.5	7.5°	283.7	280.5
233.2	233.2	233.2	233.2	233.0	232.7	232.2	231.2	228.1	226.1	10°	209.5	212.0
259.6	259.3	259.0	258.8	258.6	258.3	257.8	256.8	253.7	252.7	12.5°	167.7	177.3
283.6	283.9	284.2	284.4	283.9	283.4	282.3	280.3	278.2	276.2	15°	134.6	140.2
307.9	307.9	307.9	307.9	307.4	306.9	305.9	304.8	300.7	299.7	17.5°	103.9	106.4
332.5	332.5	332.5	332.5	331.6	330.9	329.4	328.4	325.3	324.3	20°	83.0	83.0
356.0	356.0	356.0	356.0	355.2	354.5	352.9	352.9	348.8	346.8	22.5°	72.5	71.7
377.5	377.5	377.5	377.5	377.0	376.4	375.4	375.4	372.4	371.3	25°	68.5	67.7
399.0	399.0	399.0	399.0	398.7	398.4	397.9	396.9	394.9	393.8	27.5°	62.1	62.9
421.5	421.5	421.5	421.5	420.9	420.4	419.4	419.4	416.3	417.4	30°	58.0	58.8
443.1	443.4	443.8	444.0	443.4	442.9	441.9	440.9	437.8	437.8	32.5°	53.2	54.0
462.9	463.4	463.9	464.4	464.2	463.9	463.4	462.4	458.3	457.3	35°	43.5	43.5
480.3	480.8	481.3	481.8	481.6	481.3	480.8	479.8	475.7	474.6	37.5°	40.3	40.3
497.4	497.7	498.0	498.2	498.0	497.7	497.2	496.1	493.1	494.1	40°	37.8	38.7
514.7	515.1	515.4	515.6	515.4	515.1	514.5	514.5	512.5	513.5	42.5°	36.3	36.3
529.4	529.9	530.4	530.9	530.9	530.9	530.9	530.9	527.8	528.9	45°	34.7	35.5
542.7	543.2	543.7	544.2	544.2	544.2	544.2	544.2	541.1	541.1	47.5°	33.9	33.9
552.9	553.4	553.9	554.4	554.2	553.9	553.4	553.4	550.3	551.4	50°	32.2	33.0
563.4	564.2	564.9	565.7	565.5	565.2	564.7	564.7	560.6	561.6	52.5°	31.4	32.2
571.3	571.8	572.3	572.9	572.9	572.9	572.9	573.9	570.8	571.8	55°	30.6	30.6
577.1	577.5	577.8	578.0	578.2	578.5	579.0	580.0	578.0	579.0	57.5°	29.1	29.9
580.5	581.0	581.5	582.1	581.9	581.5	581.0	582.1	580.0	582.1	60°	29.1	29.1
583.9	584.6	585.3	586.2	585.9	585.6	585.1	585.1	582.1	583.1	62.5°	28.2	28.2
588.0	588.7	589.4	590.2	590.2	590.2	590.2	591.3	587.2	588.2	65°	27.4	27.4
589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	67.5°	25.8	25.8
										70°	24.1	24.1
										72.5°	22.6	21.8
										75°	19.3	19.3
										77.5°	16.2	16.2
										80°	12.1	11.3
										82.5°	7.3	6.4
										85°	2.5	2.5
										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°	8.2	8.2
										102.5°	28.6	28.6
										105°	55.2	55.2
										107.5°	78.8	79.8
										110°	104.3	103.3

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0-LED-E1-SLR-ULG

tinued):

CANDELA DISTRIBUTION (continued):

185°	195°	205°	215°	225°	230°	235°	240°	245°		175°	180°	185°
563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	112.5°	126.8	126.8	126.8
501.2	510.1	515.8	537.6	547.3	559.3	565.0	573.1	581.0	115°	150.4	149.4	150.4
409.4	420.7	430.4	461.8	480.4	497.3	511.0	523.9	542.4	117.5°	173.9	172.9	173.9
290.1	299.8	312.7	346.6	378.8	401.4	421.5	443.2	467.5	120°	199.5	197.4	199.5
221.7	236.1	253.1	278.9	304.6	320.8	338.5	362.6	391.7	122.5°	225.0	224.0	225.0
185.4	203.1	223.2	252.3	279.7	292.6	305.5	317.5	332.9	125°	251.6	249.6	251.6
146.7	163.6	187.8	221.7	253.9	268.4	283.7	298.2	311.9	127.5°	275.2	273.1	275.2
109.6	121.7	143.4	183.7	219.2	237.7	255.5	275.6	294.2	130°	298.7	296.7	298.7
83.8	89.5	104.8	136.2	179.7	203.1	225.7	251.4	278.0	132.5°	321.2	320.2	321.2
72.5	75.0	82.2	100.8	140.2	167.7	196.6	228.9	262.0	135°	344.7	343.7	344.7
66.9	68.5	72.5	81.4	109.6	138.6	168.5	207.1	247.5	137.5°	368.3	367.2	368.3
63.6	65.3	68.5	73.3	91.0	112.8	145.9	188.6	236.9	140°	391.8	390.8	391.8
59.6	61.3	66.9	72.5	83.0	96.7	124.9	166.8	220.9	142.5°	415.3	413.3	415.3
54.8	55.6	57.2	63.6	70.9	82.2	106.4	147.5	203.9	145°	435.8	434.8	435.8
44.3	46.7	49.9	56.4	63.6	72.5	95.1	134.6	193.4	147.5°	454.2	454.2	454.2
41.1	43.5	46.7	52.4	58.8	66.9	90.2	129.7	183.7	150°	472.6	471.6	472.6
38.7	41.1	44.3	50.7	54.8	64.4	87.9	122.5	174.1	152.5°	491.0	490.0	491.0
37.0	39.5	43.5	48.4	54.0	62.9	81.4	116.1	168.5	155°	511.5	510.5	511.5
35.5	37.8	42.8	46.7	54.8	59.6	77.3	111.2	163.6	157.5°	526.8	524.8	526.8
34.7	37.0	41.9	47.6	53.2	56.4	73.3	107.2	159.6	160°	539.1	537.0	539.1
33.9	36.3	41.1	52.4	50.7	54.0	70.1	103.9	157.1	162.5°	548.3	547.3	548.3
33.0	35.5	41.1	53.2	49.2	50.7	67.7	100.8	155.6	165°	559.6	558.5	559.6
31.4	34.7	41.1	49.2	45.9	49.2	62.9	96.0	151.5	167.5°	568.8	567.7	568.8
30.6	33.0	40.3	45.1	43.5	46.7	58.0	87.9	145.9	170°	575.9	574.9	575.9
29.9	32.2	40.3	40.3	41.1	44.3	52.4	78.2	136.2	172.5°	579.0	578.0	579.0
29.1	32.2	41.1	36.3	38.7	41.9	48.4	70.1	124.1	175°	582.1	580.0	582.1
28.2	30.6	35.5	34.7	37.0	39.5	46.7	64.4	113.6	177.5°	586.2	585.1	586.2
26.6	29.1	31.4	32.2	35.5	37.8	45.9	63.6	103.9	180°	589.2	589.2	589.2
24.1	26.6	28.2	30.6	33.0	36.3	45.9	62.9	96.7				
22.6	24.1	25.8	27.4	29.9	33.9	45.1	63.6	93.5				
19.3	21.0	22.6	24.1	26.6	31.4	42.8	59.6	83.8				
15.3	17.7	19.3	20.2	22.6	27.4	37.0	50.7	67.7				
11.3	13.7	14.5	16.2	17.7	21.0	29.1	37.0	49.9				
6.4	8.9	9.7	10.4	13.7	15.3	19.3	24.1	33.9				
2.5	4.0	4.8	5.6	8.1	8.9	12.1	15.3	17.7				
0.0	0.0	0.0	0.0	1.6	2.5	4.0	4.8	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	0.0				
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
2.0	2.0	3.1	4.1	9.2	11.3	13.3	10.2	7.2				
8.2	10.2	14.3	22.5	30.7	31.7	32.7	31.7	30.7				
28.6	32.7	38.9	46.0	51.1	51.7	52.2	51.7	51.1				
55.2	57.3	62.4	67.5	71.6	72.1	72.6	72.6	72.6				
78.8	81.8	85.9	90.0	93.1	94.1	95.1	94.6	94.1				
104.3	105.4	108.4	112.5	114.6	115.6	116.6	116.6	116.6				

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SLR-ULG

CANDELA DISTRIBUTION (continued):

195°	205°	215°	225°	230°	235°	240°	245°		250°	255°	260°	265°
128.9	132.0	135.0	137.1	138.1	139.1	139.1	139.1	0°	563.3	563.3	563.3	563.3
152.4	154.5	157.5	159.6	160.6	161.6	161.6	161.6	2.5°	590.8	598.8	609.3	619.0
175.9	178.0	181.1	183.1	183.6	184.1	184.6	185.2	5°	556.9	572.2	594.7	613.4
200.5	202.5	205.6	206.6	207.7	208.7	208.7	208.7	7.5°	488.4	509.3	537.6	563.3
226.1	228.1	231.2	232.2	232.7	233.2	233.2	233.2	10°	416.6	445.7	475.5	508.5
252.7	253.7	256.8	257.8	258.3	258.8	259.3	259.8	12.5°	357.8	390.9	424.7	465.9
276.2	278.2	280.3	282.3	283.4	284.4	283.9	283.4	15°	332.9	361.8	401.4	446.5
299.7	300.7	304.8	305.9	306.9	307.9	307.9	307.9	17.5°	322.3	359.5	404.6	452.1
324.3	325.3	328.4	329.4	330.9	332.5	332.5	332.5	20°	311.1	361.8	422.3	480.4
346.8	348.8	352.9	352.9	354.5	356.0	356.0	356.0	22.5°	304.6	369.9	444.9	526.3
371.3	372.4	375.4	375.4	376.4	377.5	377.5	377.5	25°	303.0	388.4	483.5	591.6
393.8	394.9	396.9	397.9	398.4	399.0	399.0	399.0	27.5°	304.6	409.4	531.9	661.6
417.4	416.3	419.4	419.4	420.4	421.5	421.5	421.5	30°	297.4	431.2	580.3	722.9
437.8	437.8	440.9	441.9	442.9	444.0	443.4	442.9	32.5°	285.3	447.3	623.0	772.1
457.3	458.3	462.4	463.4	463.9	464.4	463.4	462.4	35°	271.6	454.6	653.7	818.1
474.6	475.7	479.8	480.8	481.3	481.8	480.8	479.8	37.5°	257.1	455.3	682.6	866.3
494.1	493.1	496.1	497.2	497.7	498.2	497.7	497.2	40°	249.0	452.1	712.5	926.0
513.5	512.5	514.5	514.5	515.1	515.6	515.1	514.5	42.5°	245.8	446.5	734.2	971.2
528.9	527.8	530.9	530.9	530.9	530.9	529.9	528.9	45°	245.8	440.9	754.3	1005.0
541.1	541.1	544.2	544.2	544.2	544.2	543.2	542.2	47.5°	246.6	443.2	778.6	1059.8
551.4	550.3	553.4	553.4	553.9	554.4	553.4	552.4	50°	250.6	470.7	819.6	1120.2
561.6	560.6	564.7	564.7	565.2	565.7	564.2	562.6	52.5°	257.1	514.2	890.6	1191.9
571.8	570.8	573.9	572.9	572.9	572.9	571.8	570.8	55°	263.5	558.5	983.3	1312.0
579.0	578.0	580.0	579.0	578.5	578.0	577.5	576.9	57.5°	269.1	591.6	1073.5	1431.3
582.1	580.0	582.1	581.0	581.5	582.1	581.0	580.0	60°	274.9	617.4	1125.9	1484.5
583.1	582.1	585.1	585.1	585.6	586.2	584.6	583.1	62.5°	271.6	607.6	1140.4	1457.9
588.2	587.2	591.3	590.2	590.2	590.2	588.7	587.2	65°	259.5	556.9	1094.5	1366.0
589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	67.5°	226.5	468.2	953.4	1221.0
								70°	187.8	367.5	777.7	1039.6
								72.5°	157.9	274.9	598.0	805.2
								75°	131.3	194.3	420.7	554.4
								77.5°	97.5	132.2	304.6	387.7
								80°	65.3	81.4	194.3	270.8
								82.5°	39.5	47.6	112.0	189.3
								85°	21.8	29.9	68.5	124.1
								87.5°	5.6	6.4	15.3	5.6
								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°	6.1	5.1	4.6	4.1
								100°	29.2	27.6	27.1	26.6
								102.5°	50.1	49.1	49.6	50.1
								105°	71.6	70.6	71.6	72.6
								107.5°	93.6	93.1	93.6	94.1
								110°	116.1	115.6	116.1	116.6



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CANDELA DISTRIBUTION (continued):

270°	275°	280°	285°	290°	295°	300°		250°	255°	260°	265°	270°
563.3	563.3	563.3	563.3	563.3	563.3	563.3	112.5°	138.6	138.1	139.1	140.1	138.1
626.3	632.7	640.7	640.7	650.4	653.7	660.1	115°	161.6	161.6	162.6	163.7	162.6
635.9	657.7	677.8	689.1	708.4	721.3	734.2	117.5°	184.6	184.1	185.2	186.2	184.1
596.4	631.9	664.9	695.5	727.7	755.1	775.3	120°	208.7	208.7	209.7	210.7	208.7
544.0	581.9	622.2	663.3	701.9	740.6	773.7	122.5°	233.7	234.3	236.3	238.3	237.3
507.0	547.3	594.7	630.2	670.5	709.2	741.4	125°	259.8	259.8	261.4	262.9	261.9
490.0	531.1	575.4	611.7	649.6	681.0	703.6	127.5°	283.9	284.4	285.9	287.4	284.4
498.9	548.8	588.3	619.0	647.1	661.6	664.9	130°	308.4	308.9	310.5	312.0	310.0
537.6	589.9	619.0	639.1	643.9	643.1	631.1	132.5°	333.0	333.5	335.0	336.6	334.5
598.0	659.3	679.4	675.4	655.2	629.4	609.3	135°	356.5	357.0	358.0	359.1	358.0
679.4	740.6	752.0	729.4	684.3	634.2	600.5	137.5°	378.0	378.5	380.5	382.6	380.5
764.9	827.7	823.7	789.8	725.4	655.2	601.2	140°	400.0	401.0	403.0	405.1	403.0
825.3	877.7	861.5	810.8	739.1	668.9	611.7	142.5°	422.0	422.5	424.0	425.5	424.5
888.1	927.6	898.7	843.8	769.7	698.0	639.1	145°	443.4	444.0	445.5	447.0	445.0
955.8	976.8	930.1	874.4	806.7	734.2	670.5	147.5°	462.9	463.4	464.9	466.5	463.4
1021.1	1030.0	962.3	902.7	836.6	771.3	713.3	150°	479.8	479.8	481.8	483.9	480.8
1091.3	1079.1	996.1	926.0	860.7	810.8	763.2	152.5°	497.2	497.2	498.7	500.2	497.2
1151.6	1125.0	1027.6	949.4	890.6	848.6	815.6	155°	515.1	515.6	517.1	518.6	516.6
1196.9	1162.2	1057.4	972.0	919.5	893.8	877.7	157.5°	529.4	529.9	532.4	535.0	531.9
1235.5	1197.7	1080.7	1005.0	959.8	950.2	955.8	160°	542.2	542.2	543.7	545.2	543.2
1283.9	1235.5	1112.2	1042.1	1014.7	1024.4	1056.6	162.5°	551.4	550.3	551.4	552.4	549.3
1358.8	1296.0	1164.6	1095.3	1082.4	1117.1	1178.2	165°	561.6	560.6	561.6	562.6	560.6
1479.7	1405.5	1257.3	1188.0	1172.6	1225.8	1313.7	167.5°	571.3	571.8	573.9	575.9	573.9
1584.4	1528.1	1379.8	1296.0	1289.5	1346.7	1442.7	170°	578.0	579.0	581.5	584.1	582.1
1632.0	1626.4	1506.3	1429.0	1419.2	1472.4	1563.5	172.5°	580.5	581.0	582.6	584.1	581.0
1628.0	1674.8	1609.4	1554.7	1521.6	1565.9	1654.6	175°	582.1	581.0	582.6	584.1	581.0
1569.2	1645.7	1651.3	1638.5	1578.8	1582.1	1644.9	177.5°	587.2	587.2	588.7	590.2	587.2
1453.9	1545.0	1640.1	1636.0	1560.3	1493.4	1506.3	180°	589.2	589.2	589.2	589.2	589.2
1290.4	1368.5	1520.0	1550.6	1442.7	1317.7	1258.8						
1034.0	1125.0	1350.0	1392.6	1245.1	1069.5	978.5						
713.3	833.3	1178.2	1182.3	1010.7	841.4	743.1						
490.0	593.2	952.6	963.1	801.9	638.3	553.7						
329.6	397.3	698.8	654.4	529.5	442.4	420.7						
208.0	247.5	439.3	410.2	348.9	319.2	327.2						
96.7	135.4	240.2	234.6	220.0	192.6	167.7						
2.5	7.3	46.7	30.6	30.6	17.7	6.4						
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						
1.0	1.0	1.0	1.0	1.0	1.0	1.0						
4.1	4.1	4.6	5.1	6.1	7.2	10.2						
25.6	26.6	27.1	27.6	29.2	30.7	31.7						
49.1	50.1	49.6	49.1	50.1	51.1	51.7						
70.6	72.6	71.6	70.6	71.6	72.6	72.6						
93.1	94.1	93.6	93.1	93.6	94.1	94.6						
115.6	116.6	116.1	115.6	116.1	116.6	116.6						



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CANDELA DISTRIBUTION (continued):

275°	280°	285°	290°	295°	300°		305°	310°	315°	325°	335°	340°
140.1	139.1	138.1	138.6	139.1	139.1	0°	563.3	563.3	563.3	563.3	563.3	563.3
163.7	162.6	161.6	161.6	161.6	161.6	2.5°	654.4	656.8	656.0	650.4	635.9	630.2
186.2	185.2	184.1	184.6	185.2	184.6	5°	733.4	737.4	732.6	718.9	681.8	664.1
210.7	209.7	208.7	208.7	208.7	208.7	7.5°	789.0	792.3	784.2	752.8	686.7	656.8
238.3	236.3	234.3	233.7	233.2	233.2	10°	799.5	806.7	797.9	752.8	676.2	639.1
262.9	261.4	259.8	259.8	259.8	259.3	12.5°	769.7	785.0	778.6	745.5	671.4	631.9
287.4	285.9	284.4	283.9	283.4	283.9	15°	723.7	725.4	729.4	728.5	662.5	623.8
312.0	310.5	308.9	308.4	307.9	307.9	17.5°	673.0	671.4	676.2	691.5	660.1	629.4
336.6	335.0	333.5	333.0	332.5	332.5	20°	627.1	624.6	629.4	644.8	650.4	643.1
359.1	358.0	357.0	356.5	356.0	356.0	22.5°	598.0	589.9	589.1	611.7	655.2	674.5
382.6	380.5	378.5	378.0	377.5	377.5	25°	581.9	573.1	577.0	602.8	675.4	711.7
405.1	403.0	401.0	400.0	399.0	399.0	27.5°	577.0	567.4	573.1	602.0	696.3	756.8
425.5	424.0	422.5	422.0	421.5	421.5	30°	580.3	570.6	573.1	607.6	706.9	767.2
447.0	445.5	444.0	443.4	442.9	443.4	32.5°	598.8	581.9	580.3	624.6	726.2	790.6
466.5	464.9	463.4	462.9	462.4	463.4	35°	623.8	599.7	596.4	652.0	751.2	820.4
483.9	481.8	479.8	479.8	479.8	480.8	37.5°	665.7	635.9	631.1	698.0	785.0	845.5
500.2	498.7	497.2	497.2	497.2	497.7	40°	722.1	692.3	692.3	756.8	830.9	880.0
518.6	517.1	515.6	515.1	514.5	515.1	42.5°	785.8	766.5	769.7	827.7	883.3	923.6
535.0	532.4	529.9	529.4	528.9	529.9	45°	870.4	859.9	876.1	917.2	936.5	963.9
545.2	543.7	542.2	542.2	542.2	543.2	47.5°	969.6	978.5	1001.0	1013.8	990.5	1005.0
552.4	551.4	550.3	551.4	552.4	553.4	50°	1093.6	1117.1	1138.7	1135.6	1057.4	1052.5
562.6	561.6	560.6	561.6	562.6	564.2	52.5°	1236.3	1266.9	1282.3	1264.5	1132.3	1104.2
575.9	573.9	571.8	571.3	570.8	571.8	55°	1381.4	1418.4	1413.6	1393.5	1213.7	1175.9
584.1	581.5	579.0	578.0	576.9	577.5	57.5°	1512.7	1541.8	1554.7	1511.1	1312.9	1262.9
584.1	582.6	581.0	580.5	580.0	581.0	60°	1616.7	1648.2	1648.2	1605.4	1420.9	1362.9
584.1	582.6	581.0	582.1	583.1	584.6	62.5°	1692.5	1717.4	1708.6	1667.5	1513.6	1469.3
590.2	588.7	587.2	587.2	587.2	588.7	65°	1686.8	1689.2	1679.6	1664.2	1569.2	1564.3
589.2	589.2	589.2	589.2	589.2	589.2	67.5°	1528.1	1528.9	1548.2	1541.8	1527.3	1586.9
						70°	1252.4	1265.3	1298.3	1288.7	1362.9	1485.3
						72.5°	953.4	961.5	1001.0	992.2	1092.8	1227.4
						75°	693.9	693.2	710.0	697.1	824.5	974.4
						77.5°	534.3	519.9	516.6	518.2	584.3	708.4
						80°	431.2	431.2	426.4	408.6	357.8	414.3
						82.5°	344.1	330.4	306.3	271.6	229.7	245.0
						85°	171.7	166.8	145.9	120.9	100.8	133.8
						87.5°	0.8	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°	13.3	11.3	9.2	4.1	3.1	2.6
						100°	32.7	31.7	30.7	22.5	14.3	12.3
						102.5°	52.2	51.7	51.1	46.0	38.9	35.8
						105°	72.6	72.1	71.6	67.5	62.4	59.8
						107.5°	95.1	94.1	93.1	90.0	85.9	83.9
						110°	116.6	115.6	114.6	112.5	108.4	106.9

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CANDELA DISTRIBUTION (continued):

342.5°	345°	347.5°	350°	352.5°		305°	310°	315°	325°	335°	340°	342.5°
563.3	563.3	563.3	563.3	563.3	112.5°	139.1	138.1	137.1	135.0	132.0	130.4	129.7
627.8	621.3	614.1	614.1	607.6	115°	161.6	160.6	159.6	157.5	154.5	153.4	152.9
653.7	640.7	630.2	620.5	610.9	117.5°	184.1	183.6	183.1	181.1	178.0	177.0	176.5
640.7	625.4	612.5	595.6	580.3	120°	208.7	207.7	206.6	205.6	202.5	201.5	201.0
621.3	604.5	585.9	568.1	546.5	122.5°	233.2	232.7	232.2	231.2	228.1	227.1	226.6
610.9	590.8	568.1	549.6	524.7	125°	258.8	258.3	257.8	256.8	253.7	253.2	252.9
602.8	581.9	561.7	544.0	522.2	127.5°	284.4	283.4	282.3	280.3	278.2	277.2	276.7
615.7	595.6	581.0	560.9	544.0	130°	307.9	306.9	305.9	304.8	300.7	300.2	299.9
637.5	625.4	614.1	601.2	587.5	132.5°	332.5	330.9	329.4	328.4	325.3	324.8	324.5
678.6	677.0	676.2	666.6	656.8	135°	356.0	354.5	352.9	352.9	348.8	347.8	347.3
730.2	736.6	745.5	745.5	745.5	137.5°	377.5	376.4	375.4	375.4	372.4	371.8	371.5
783.4	799.5	816.4	823.7	828.5	140°	399.0	398.4	397.9	396.9	394.9	394.3	394.0
798.7	822.0	848.6	866.3	878.5	142.5°	421.5	420.4	419.4	419.4	416.3	416.9	417.2
823.7	850.3	880.0	900.2	922.0	145°	444.0	442.9	441.9	440.9	437.8	437.8	437.8
853.4	876.9	907.5	934.9	966.3	147.5°	464.4	463.9	463.4	462.4	458.3	457.8	457.5
878.5	909.1	942.1	977.6	1017.9	150°	481.8	481.3	480.8	479.8	475.7	475.2	474.9
916.4	948.6	984.9	1032.4	1081.6	152.5°	498.2	497.7	497.2	496.1	493.1	493.6	493.9
958.3	992.9	1030.8	1078.4	1135.6	155°	515.6	515.1	514.5	514.5	512.5	513.0	513.3
994.5	1025.2	1066.2	1115.4	1180.7	157.5°	530.9	530.9	530.9	530.9	527.8	528.4	528.7
1029.2	1057.4	1105.7	1155.7	1220.2	160°	544.2	544.2	544.2	544.2	541.1	541.1	541.1
1075.1	1096.9	1145.2	1202.5	1270.9	162.5°	554.4	553.9	553.4	553.4	550.3	550.9	551.2
1122.7	1152.5	1205.6	1270.9	1347.5	165°	565.7	565.2	564.7	564.7	560.6	561.1	561.4
1187.1	1222.6	1287.9	1362.1	1458.7	167.5°	572.9	572.9	572.9	573.9	570.8	571.3	571.6
1275.8	1312.9	1382.2	1465.2	1564.3	170°	578.0	578.5	579.0	580.0	578.0	578.5	578.8
1384.6	1420.9	1480.5	1562.8	1655.4	172.5°	582.1	581.5	581.0	582.1	580.0	581.0	581.5
1486.1	1536.2	1590.1	1651.3	1724.7	175°	586.2	585.6	585.1	585.1	582.1	582.6	582.9
1596.5	1635.3	1680.4	1703.7	1744.8	177.5°	590.2	590.2	590.2	591.3	587.2	587.7	588.0
1628.8	1661.1	1700.6	1700.6	1695.6	180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2
1533.7	1582.9	1617.5	1617.5	1576.4								
1333.8	1416.1	1449.9	1470.8	1418.4								
1084.0	1186.3	1242.0	1259.7	1164.6								
795.4	860.7	868.0	870.4	742.3								
458.6	510.1	528.7	555.3	444.9								
266.0	285.3	316.7	328.1	270.8								
149.1	150.7	150.7	139.4	113.6								
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								
2.3	2.0	2.0	2.0	2.0								
11.3	10.2	9.7	9.2	8.7								
34.3	32.7	31.7	30.7	29.7								
58.5	57.3	56.8	56.3	55.8								
82.9	81.8	81.0	80.3	79.6								
106.2	105.4	105.2	104.9	104.5								

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CANDELA DISTRIBUTION (continued):

345°	347.5°	350°	352.5°		355°	359°	360°
128.9	128.4	127.9	127.4	0°	563.3	563.3	563.3
152.4	151.9	151.4	150.9	2.5°	606.1	596.4	598.0
175.9	175.4	174.9	174.4	5°	597.2	583.5	578.7
200.5	200.3	200.0	199.7	7.5°	566.6	543.2	535.9
226.1	225.9	225.6	225.3	10°	529.5	499.7	494.1
252.7	252.5	252.2	251.9	12.5°	508.5	474.6	467.5
276.2	276.0	275.7	275.4	15°	502.1	469.8	461.8
299.7	299.5	299.2	298.9	17.5°	521.4	486.8	477.1
324.3	323.5	322.7	322.0	20°	565.8	524.7	513.4
346.8	346.3	345.8	345.2	22.5°	631.9	585.1	571.4
371.3	370.5	369.8	369.1	25°	721.3	668.1	654.4
393.8	393.3	392.8	392.3	27.5°	813.1	749.5	731.8
417.4	416.9	416.3	415.8	30°	866.3	807.5	789.8
437.8	437.3	436.8	436.3	32.5°	920.3	864.0	843.0
457.3	456.4	455.7	455.0	35°	977.6	920.3	899.4
474.6	474.1	473.6	473.1	37.5°	1044.5	996.1	977.6
494.1	493.3	492.6	491.8	40°	1124.3	1079.9	1053.3
513.5	513.0	512.5	512.0	42.5°	1190.4	1149.3	1124.3
528.9	528.4	527.8	527.3	45°	1238.7	1204.1	1178.2
541.1	540.6	540.1	539.6	47.5°	1283.1	1256.5	1230.7
551.4	550.6	549.8	549.1	50°	1338.6	1316.1	1298.3
561.6	561.1	560.6	560.1	52.5°	1413.6	1405.5	1390.3
571.8	571.0	570.3	569.6	55°	1524.0	1541.8	1520.0
579.0	578.2	577.5	576.7	57.5°	1628.8	1641.7	1632.0
582.1	581.2	580.5	579.8	60°	1711.0	1693.3	1681.2
583.1	582.9	582.6	582.3	62.5°	1752.9	1709.4	1689.2
588.2	587.7	587.2	586.7	65°	1755.4	1688.5	1657.8
589.2	589.2	589.2	589.2	67.5°	1700.6	1622.4	1586.9
				70°	1553.0	1462.8	1416.1
				72.5°	1304.8	1166.2	1134.8
				75°	956.7	786.5	768.0
				77.5°	579.5	452.1	428.0
				80°	326.4	259.5	251.4
				82.5°	185.4	145.9	154.0
				85°	75.8	37.8	41.9
				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°	8.2	8.2	8.2
				102.5°	28.6	28.6	28.6
				105°	55.2	55.2	55.2
				107.5°	78.8	79.6	79.8
				110°	104.3	103.5	103.3

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CANDELA DISTRIBUTION (continued):

	355°	359°	360°
112.5°	126.8	126.8	126.8
115°	150.4	149.6	149.4
117.5°	173.9	173.1	172.9
120°	199.5	197.8	197.4
122.5°	225.0	224.2	224.0
125°	251.6	250.0	249.6
127.5°	275.2	273.5	273.1
130°	298.7	297.1	296.7
132.5°	321.2	320.4	320.2
135°	344.7	343.9	343.7
137.5°	368.3	367.4	367.2
140°	391.8	391.0	390.8
142.5°	415.3	413.7	413.3
145°	435.8	435.0	434.8
147.5°	454.2	454.2	454.2
150°	472.6	471.8	471.6
152.5°	491.0	490.2	490.0
155°	511.5	510.7	510.5
157.5°	526.8	525.2	524.8
160°	539.1	537.5	537.0
162.5°	548.3	547.5	547.3
165°	559.6	558.7	558.5
167.5°	568.8	567.9	567.7
170°	575.9	575.1	574.9
172.5°	579.0	578.2	578.0
175°	582.1	580.4	580.0
177.5°	586.2	585.3	585.1
180°	589.2	589.2	589.2

(END OF REPORT)