

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: P228459

Luminaire Tested: **ISS-AF-350-LED-E1-SLL-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228459
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-SLL-7030-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT, WITH
UPLIGHT GLOW
Light Source: (16) 3000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3187.2 lumens
Efficiency: N/A
Efficacy: 86.6 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: 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

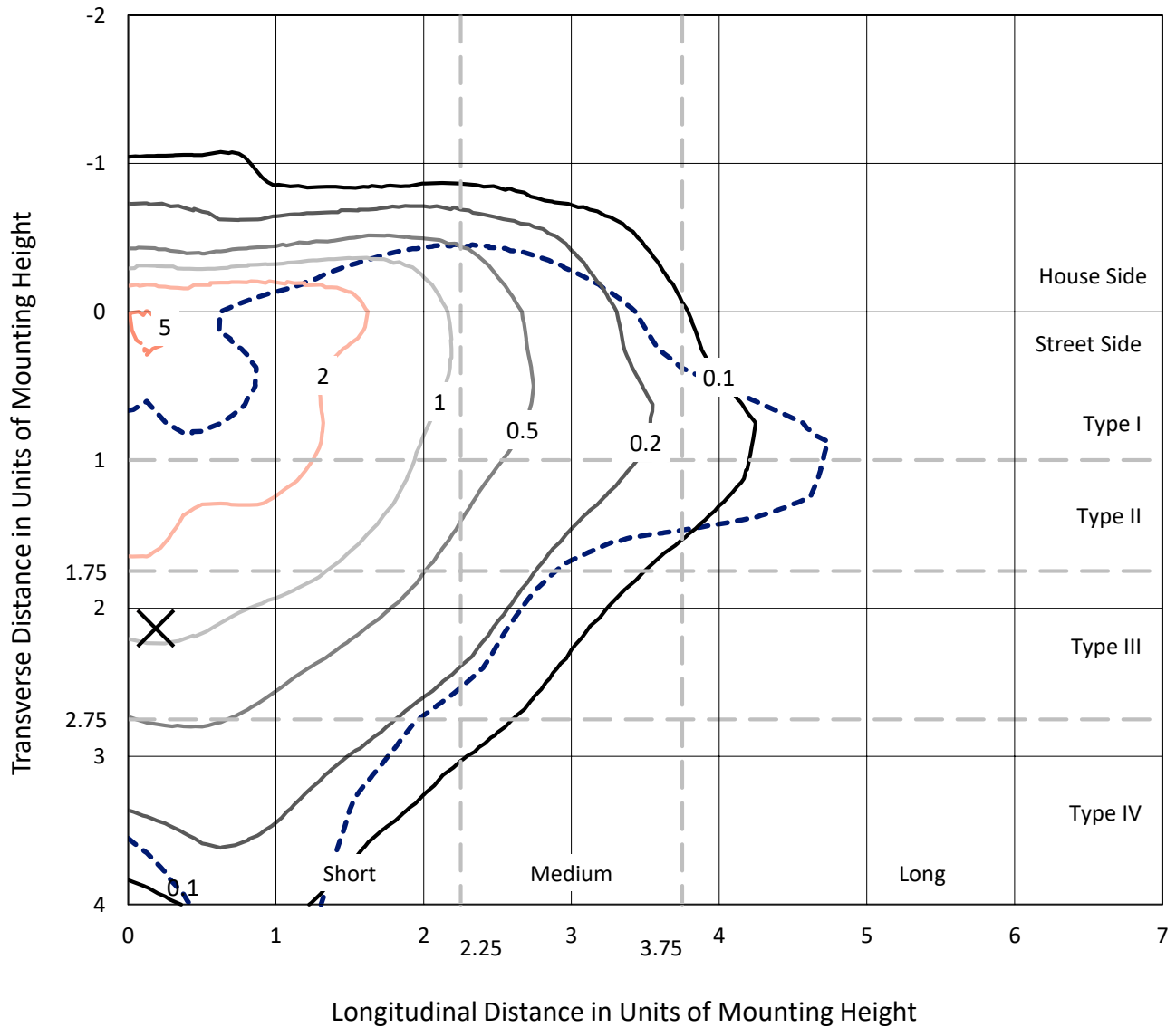


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

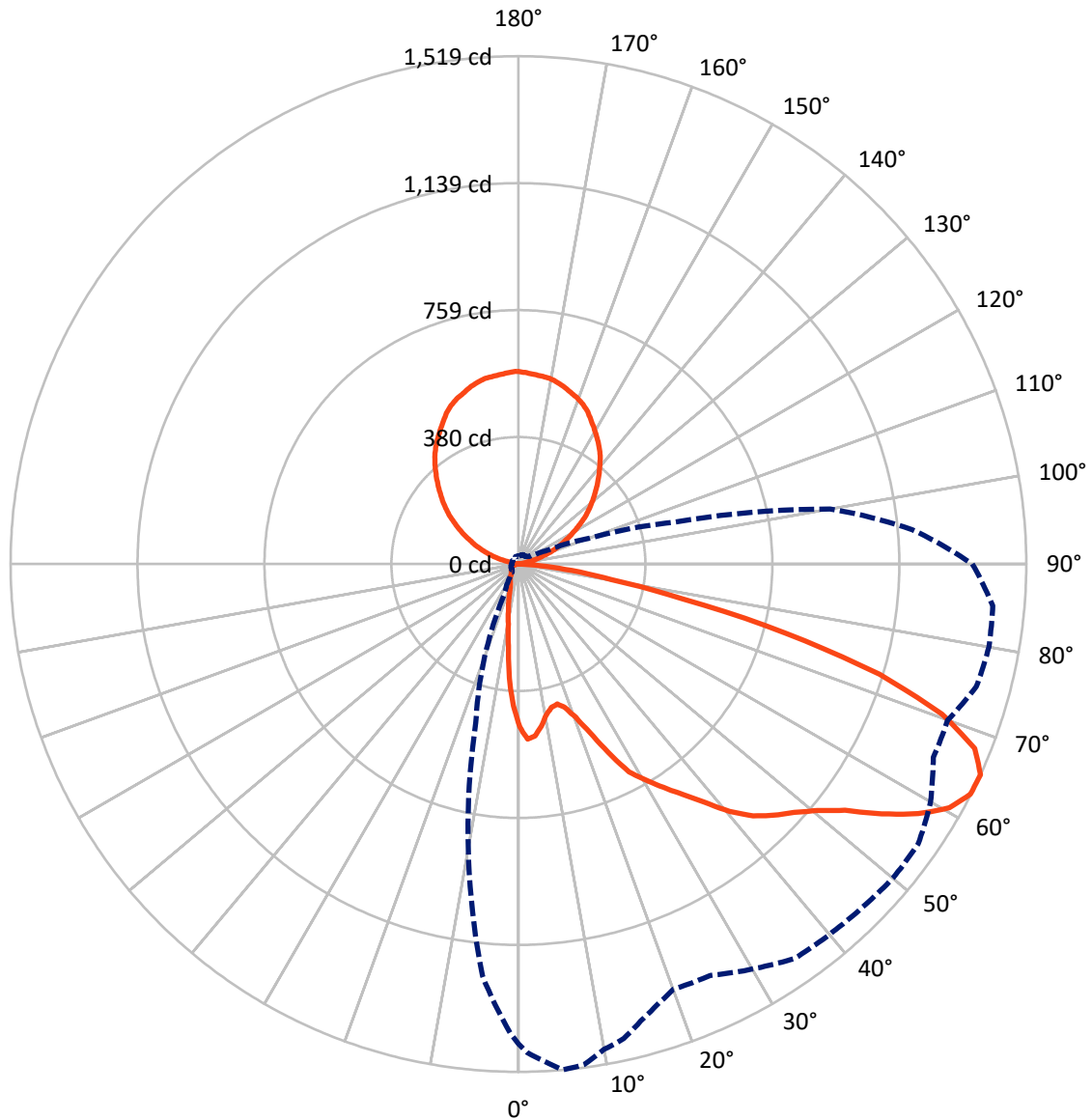


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral

- - - Horizontal Cone Through 65-Deg Vertical

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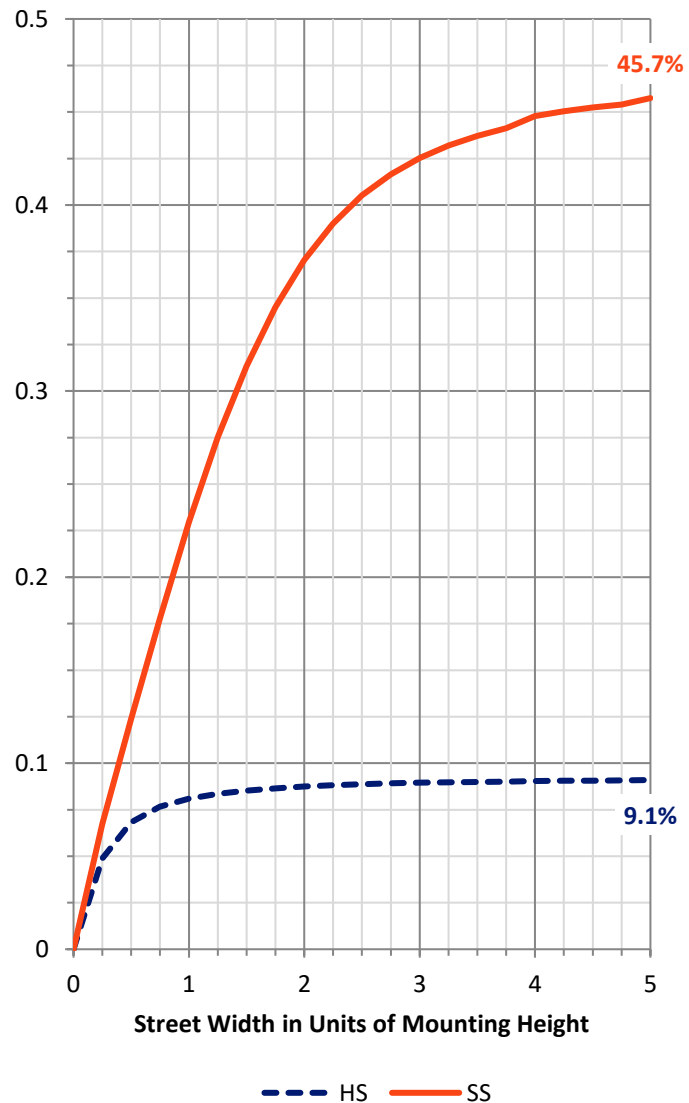
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	292.8	713.1	1005.9
	% Fixture	9.2	22.4	31.6
Street Side	Lumens	1468.2	713.1	2181.3
	% Fixture	46.1	22.4	68.4
Total	Lumens	1761.0	1426.2	3187.2
	% Fixture	55.3	44.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	1.2
10°-20°	77.1	2.4
20°-30°	112.1	3.5
30°-40°	165.8	5.2
40°-50°	241.6	7.6
50°-60°	362.1	11.4
60°-70°	451.2	14.2
70°-80°	264.3	8.3
80°-90°	49.4	1.6
90°-100°	4.7	0.1
100°-110°	69.0	2.2
110°-120°	153.0	4.8
120°-130°	223.9	7.0
130°-140°	265.6	8.3
140°-150°	269.3	8.4
150°-160°	231.1	7.3
160°-170°	155.1	4.9
170°-180°	54.3	1.7
0°-90°	1761.0	55.3
0°-180°	3187.2	100.0



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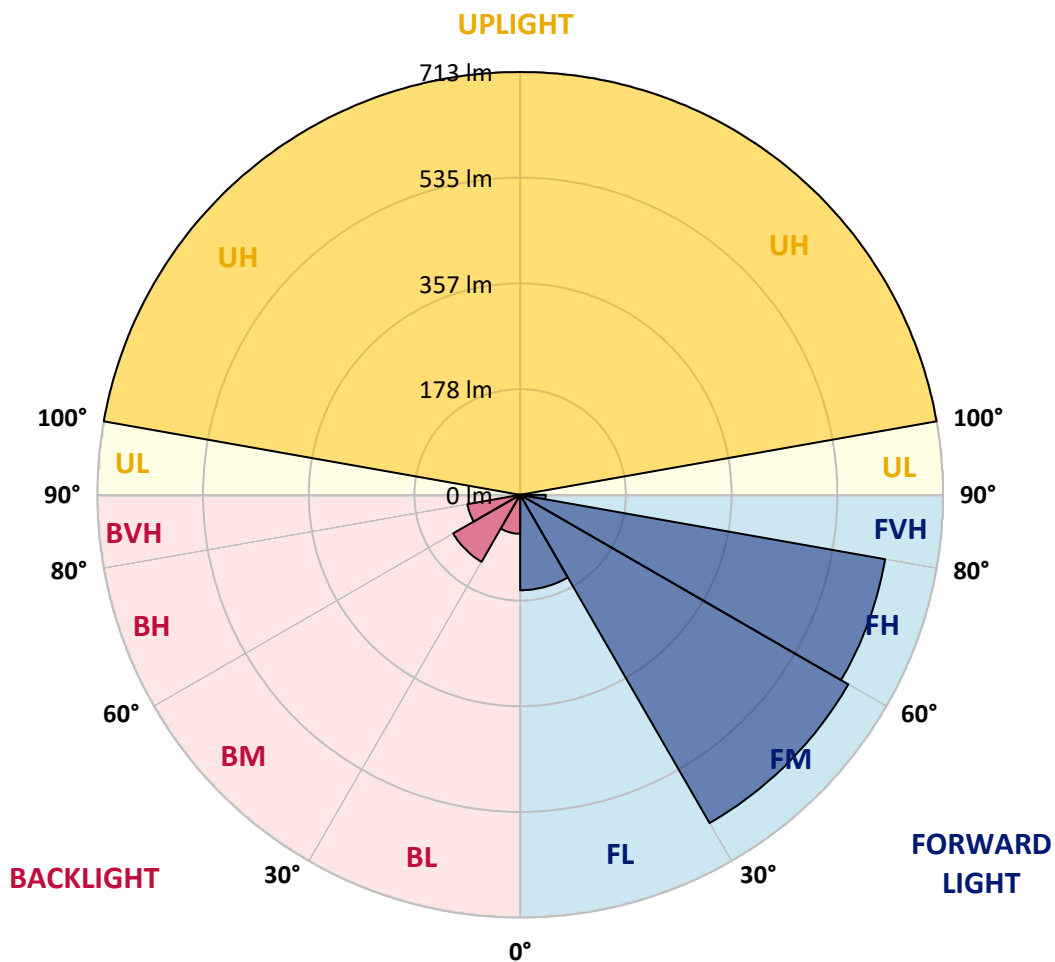
CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.9	5.0			
FM (30°-60°)	639.1	20.1			
FH (60°-80°)	625.2	19.6			G0/660
FVH (80°-90°)	43.1	1.4			G1/100
BL (0°-30°)	65.7	2.1	B0/110		
BM (30°-60°)	130.3	4.1	B0/220		
BH (60°-80°)	90.4	2.8	B0/110		G0/110
BVH (80°-90°)	6.4	0.2			G0/10
UL (90°-100°)	4.7	0.1		U1/10	
UH (100°-180°)	713.1	22.4		U4/1000	

BUG Rating: B0-U5-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
0°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3
2.5°	517.3	515.9	524.3	525.7	531.3	531.3	537.5	543.1	545.2	550.1	562.6
5°	500.6	504.8	516.6	528.5	536.8	545.2	554.3	565.4	574.5	589.8	621.9
7.5°	463.6	469.9	490.1	502.0	515.2	529.9	541.0	554.3	568.2	594.0	651.2
10°	427.4	432.3	458.1	472.7	491.5	506.9	522.9	537.5	552.9	584.9	651.2
12.5°	404.4	410.6	439.9	453.9	475.5	491.5	511.0	528.5	546.6	580.8	644.9
15°	399.5	406.5	434.4	451.8	470.6	485.9	503.4	521.5	539.6	573.1	630.3
17.5°	412.7	421.1	451.1	470.6	485.2	502.7	515.2	532.7	544.5	571.0	598.2
20°	444.1	453.9	489.4	508.3	520.1	531.3	541.0	551.5	556.4	562.6	557.8
22.5°	494.3	506.2	546.6	568.2	576.6	584.9	585.6	587.0	583.6	566.8	529.2
25°	566.1	578.0	624.0	644.9	644.9	644.9	637.2	631.7	615.6	584.2	521.5
27.5°	633.1	648.4	703.5	716.7	712.5	706.3	691.6	677.7	654.7	602.4	520.8
30°	683.2	698.6	749.5	759.9	749.5	734.1	711.1	690.9	663.7	611.4	525.7
32.5°	729.3	747.4	796.2	797.6	778.8	761.3	735.5	712.5	683.9	628.2	540.3
35°	778.1	796.2	845.7	835.9	808.7	785.0	758.5	738.3	709.7	649.8	564.0
37.5°	845.7	861.7	903.6	880.6	845.7	815.0	786.4	759.9	731.4	679.1	603.8
40°	911.2	934.2	972.6	935.6	893.1	852.0	820.6	792.7	761.3	718.8	654.7
42.5°	972.6	994.2	1029.8	982.3	932.8	891.7	858.9	829.0	799.0	764.1	716.0
45°	1019.3	1041.6	1071.6	1021.4	964.9	922.4	886.8	860.3	833.8	810.1	793.4
47.5°	1064.6	1086.9	1109.9	1055.6	999.8	956.5	914.7	890.3	869.4	856.9	877.1
50°	1123.2	1138.5	1158.0	1099.5	1040.2	990.7	948.9	930.1	910.5	914.7	982.3
52.5°	1202.7	1215.9	1222.9	1165.7	1099.5	1043.0	997.0	971.2	955.2	979.6	1093.9
55°	1314.9	1333.7	1318.4	1261.9	1178.3	1114.1	1057.6	1027.0	1017.2	1050.0	1205.4
57.5°	1411.8	1420.2	1409.0	1353.3	1267.5	1195.7	1135.7	1103.7	1092.5	1135.7	1307.2
60°	1454.3	1464.8	1480.1	1432.0	1351.9	1280.7	1229.2	1197.8	1179.0	1229.2	1388.8
62.5°	1461.3	1478.7	1516.4	1492.0	1428.5	1375.6	1328.9	1285.6	1271.0	1309.3	1442.5
65°	1434.1	1460.6	1518.5	1509.4	1473.9	1453.6	1414.6	1381.1	1353.3	1357.4	1439.7
67.5°	1372.8	1403.5	1471.1	1466.9	1471.1	1471.1	1436.9	1409.0	1372.8	1321.2	1333.7
70°	1225.0	1265.4	1343.5	1363.7	1399.3	1399.3	1369.3	1326.8	1284.9	1179.0	1114.8
72.5°	981.6	1008.8	1128.8	1227.1	1272.4	1254.3	1225.0	1153.9	1061.8	945.4	858.2
75°	664.4	680.5	827.6	1007.4	1089.7	1074.4	1026.3	937.7	842.9	713.2	603.1
77.5°	370.2	391.1	501.3	642.1	753.0	750.9	744.6	688.1	612.8	505.5	448.3
80°	217.5	224.5	282.4	384.9	480.4	457.4	441.3	396.7	358.4	309.6	353.5
82.5°	133.2	126.2	160.4	234.3	283.8	274.0	246.8	230.1	211.9	198.7	235.0
85°	36.3	32.8	65.5	98.3	120.6	130.4	130.4	129.0	115.7	87.1	104.6
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.5	3.0	4.0
100°	8.0	8.0	8.0	8.5	9.0	9.5	10.0	11.0	12.0	14.0	22.0
102.5°	28.0	28.0	28.0	29.0	30.0	31.0	32.0	33.5	35.0	38.0	45.0
105°	54.0	54.0	54.0	54.5	55.0	55.5	56.0	57.2	58.5	61.0	66.0
107.5°	78.0	77.8	77.0	77.8	78.5	79.2	80.0	81.0	82.0	84.0	88.0
110°	101.0	101.2	102.0	102.2	102.5	102.8	103.0	103.8	104.5	106.0	110.0



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CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030-ULG

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
112.5°	124.0	124.0	124.0	124.5	125.0	125.5	126.0	126.8	127.5	129.0	132.0
115°	146.0	146.2	147.0	147.5	148.0	148.5	149.0	149.5	150.0	151.0	154.0
117.5°	169.0	169.2	170.0	170.5	171.0	171.5	172.0	172.5	173.0	174.0	177.0
120°	193.0	193.4	195.0	195.2	195.5	195.8	196.0	196.5	197.0	198.0	201.0
122.5°	219.0	219.2	220.0	220.2	220.5	220.8	221.0	221.5	222.0	223.0	226.0
125°	244.0	244.4	246.0	246.2	246.5	246.8	247.0	247.2	247.5	248.0	251.0
127.5°	267.0	267.4	269.0	269.2	269.5	269.8	270.0	270.5	271.0	272.0	274.0
130°	290.0	290.4	292.0	292.2	292.5	292.8	293.0	293.2	293.5	294.0	298.0
132.5°	313.0	313.2	314.0	314.8	315.5	316.2	317.0	317.2	317.5	318.0	321.0
135°	336.0	336.2	337.0	337.5	338.0	338.5	339.0	339.5	340.0	341.0	345.0
137.5°	359.0	359.2	360.0	360.8	361.5	362.2	363.0	363.2	363.5	364.0	367.0
140°	382.0	382.2	383.0	383.5	384.0	384.5	385.0	385.2	385.5	386.0	388.0
142.5°	404.0	404.4	406.0	406.5	407.0	407.5	408.0	407.8	407.5	407.0	410.0
145°	425.0	425.2	426.0	426.5	427.0	427.5	428.0	428.0	428.0	428.0	431.0
147.5°	444.0	444.0	444.0	444.8	445.5	446.2	447.0	447.2	447.5	448.0	452.0
150°	461.0	461.2	462.0	462.5	463.0	463.5	464.0	464.2	464.5	465.0	469.0
152.5°	479.0	479.2	480.0	480.8	481.5	482.2	483.0	482.8	482.5	482.0	485.0
155°	499.0	499.2	500.0	500.5	501.0	501.5	502.0	501.8	501.5	501.0	503.0
157.5°	513.0	513.4	515.0	515.5	516.0	516.5	517.0	516.8	516.5	516.0	519.0
160°	525.0	525.4	527.0	527.5	528.0	528.5	529.0	529.0	529.0	529.0	532.0
162.5°	535.0	535.2	536.0	536.8	537.5	538.2	539.0	538.8	538.5	538.0	541.0
165°	546.0	546.2	547.0	547.5	548.0	548.5	549.0	548.8	548.5	548.0	552.0
167.5°	555.0	555.2	556.0	556.8	557.5	558.2	559.0	558.8	558.5	558.0	561.0
170°	562.0	562.2	563.0	563.8	564.5	565.2	566.0	565.8	565.5	565.0	567.0
172.5°	565.0	565.2	566.0	566.8	567.5	568.2	569.0	568.5	568.0	567.0	569.0
175°	567.0	567.4	569.0	569.2	569.5	569.8	570.0	569.8	569.5	569.0	572.0
177.5°	572.0	572.2	573.0	573.5	574.0	574.5	575.0	574.8	574.5	574.0	578.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



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CANDELA DISTRIBUTION (continued):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3
2.5°	567.5	568.2	566.1	571.0	565.4	562.6	554.3	554.3	547.3	541.7	535.4
5°	633.7	637.9	634.4	635.1	624.0	612.8	596.1	586.3	568.9	550.1	530.6
7.5°	678.4	685.3	682.6	670.7	653.3	629.6	601.7	575.2	546.6	515.9	487.3
10°	690.2	697.9	691.6	669.3	640.7	607.3	573.8	538.2	503.4	470.6	439.9
12.5°	673.5	679.1	665.8	641.4	613.5	580.1	545.2	514.5	473.4	438.5	403.0
15°	631.0	627.5	626.1	608.6	589.1	561.9	529.2	497.8	459.5	423.9	386.2
17.5°	584.9	580.8	582.2	575.2	572.4	559.8	535.4	509.0	474.8	431.6	391.1
20°	544.5	540.3	542.4	545.9	556.4	557.1	552.9	535.4	510.3	465.0	415.5
22.5°	509.6	510.3	517.3	527.1	544.5	566.8	584.2	587.7	570.3	517.3	455.3
25°	499.2	495.7	503.4	519.4	548.7	591.9	631.0	650.5	640.7	587.7	511.7
27.5°	495.7	490.8	499.2	520.1	566.8	627.5	683.2	712.5	716.0	661.6	572.4
30°	495.7	493.6	502.0	529.2	578.7	639.3	701.4	745.3	759.2	713.9	625.4
32.5°	502.0	503.4	518.0	552.9	603.8	665.8	730.0	777.4	802.5	768.3	667.9
35°	515.9	518.7	539.6	580.1	635.1	697.9	756.5	804.6	845.0	826.9	707.7
37.5°	545.9	550.1	575.9	617.0	667.2	723.7	780.9	832.4	891.0	883.3	749.5
40°	598.9	598.9	624.7	660.2	701.4	744.6	801.1	861.7	933.5	944.0	801.1
42.5°	665.8	663.0	679.8	705.6	734.1	770.4	821.3	888.9	973.3	996.3	840.1
45°	757.8	743.9	753.0	759.2	773.2	795.5	840.8	914.7	1005.4	1035.3	869.4
47.5°	865.9	846.4	838.7	826.9	822.0	830.4	869.4	934.9	1036.0	1068.8	916.8
50°	985.1	966.3	946.1	914.0	886.1	877.8	901.5	962.1	1068.8	1110.6	969.1
52.5°	1109.2	1096.0	1069.5	1019.3	966.3	936.3	947.5	1007.4	1121.1	1175.5	1031.1
55°	1222.9	1227.1	1195.0	1136.4	1060.4	1014.4	1027.7	1087.6	1215.9	1280.0	1135.0
57.5°	1344.9	1333.7	1308.6	1248.0	1165.0	1115.5	1121.1	1193.6	1321.9	1370.7	1238.2
60°	1425.8	1425.8	1398.6	1352.6	1273.8	1227.8	1236.1	1303.1	1406.9	1411.8	1284.2
62.5°	1478.1	1485.7	1464.1	1431.3	1354.6	1316.3	1344.9	1392.3	1448.8	1408.3	1261.2
65°	1453.0	1461.3	1459.2	1423.0	1368.6	1365.8	1417.4	1428.5	1423.7	1357.4	1181.7
67.5°	1339.3	1322.6	1321.9	1303.1	1291.9	1349.8	1415.3	1418.8	1336.5	1257.7	1056.2
70°	1123.2	1094.6	1083.4	1089.0	1139.9	1248.0	1341.4	1314.9	1183.8	1116.2	899.4
72.5°	865.9	831.8	824.8	846.4	925.2	1077.2	1204.8	1167.8	973.3	894.5	696.5
75°	614.2	599.6	600.3	642.8	727.9	874.3	1022.8	1019.3	720.9	617.0	479.7
77.5°	446.9	449.7	462.2	479.0	552.2	693.7	833.1	824.1	513.1	423.9	335.4
80°	368.8	373.0	373.0	363.9	382.8	458.1	566.1	604.5	343.7	285.2	234.3
82.5°	264.9	285.8	297.7	283.1	276.1	301.9	354.9	380.0	214.0	179.9	163.8
85°	126.2	144.3	148.5	145.0	166.6	190.3	202.9	207.8	117.1	83.7	107.4
87.5°	0.0	0.0	0.7	5.6	15.3	26.5	26.5	40.4	6.3	2.1	4.9
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°	9.0	11.0	13.0	10.0	7.0	6.0	5.0	4.5	4.0	4.0	4.0
100°	30.0	31.0	32.0	31.0	30.0	28.5	27.0	26.5	26.0	25.0	26.0
102.5°	50.0	50.5	51.0	50.5	50.0	49.0	48.0	48.5	49.0	48.0	49.0
105°	70.0	70.5	71.0	71.0	71.0	70.0	69.0	70.0	71.0	69.0	71.0
107.5°	91.0	92.0	93.0	92.5	92.0	91.5	91.0	91.5	92.0	91.0	92.0
110°	112.0	113.0	114.0	114.0	114.0	113.5	113.0	113.5	114.0	113.0	114.0



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CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030-ULG

CANDELA DISTRIBUTION (continued):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
112.5°	134.0	135.0	136.0	136.0	136.0	135.5	135.0	136.0	137.0	135.0	137.0
115°	156.0	157.0	158.0	158.0	158.0	158.0	158.0	159.0	160.0	159.0	160.0
117.5°	179.0	179.5	180.0	180.5	181.0	180.5	180.0	181.0	182.0	180.0	182.0
120°	202.0	203.0	204.0	204.0	204.0	204.0	204.0	205.0	206.0	204.0	206.0
122.5°	227.0	227.5	228.0	228.0	228.0	228.5	229.0	231.0	233.0	232.0	233.0
125°	252.0	252.5	253.0	253.5	254.0	254.0	254.0	255.5	257.0	256.0	257.0
127.5°	276.0	277.0	278.0	277.5	277.0	277.5	278.0	279.5	281.0	278.0	281.0
130°	299.0	300.0	301.0	301.0	301.0	301.5	302.0	303.5	305.0	303.0	305.0
132.5°	322.0	323.5	325.0	325.0	325.0	325.5	326.0	327.5	329.0	327.0	329.0
135°	345.0	346.5	348.0	348.0	348.0	348.5	349.0	350.0	351.0	350.0	351.0
137.5°	367.0	368.0	369.0	369.0	369.0	369.5	370.0	372.0	374.0	372.0	374.0
140°	389.0	389.5	390.0	390.0	390.0	391.0	392.0	394.0	396.0	394.0	396.0
142.5°	410.0	411.0	412.0	412.0	412.0	412.5	413.0	414.5	416.0	415.0	416.0
145°	432.0	433.0	434.0	433.5	433.0	433.5	434.0	435.5	437.0	435.0	437.0
147.5°	453.0	453.5	454.0	453.0	452.0	452.5	453.0	454.5	456.0	453.0	456.0
150°	470.0	470.5	471.0	470.0	469.0	469.0	469.0	471.0	473.0	470.0	473.0
152.5°	486.0	486.5	487.0	486.5	486.0	486.0	486.0	487.5	489.0	486.0	489.0
155°	503.0	503.5	504.0	503.5	503.0	503.5	504.0	505.5	507.0	505.0	507.0
157.5°	519.0	519.0	519.0	518.0	517.0	517.5	518.0	520.5	523.0	520.0	523.0
160°	532.0	532.0	532.0	531.0	530.0	530.0	530.0	531.5	533.0	531.0	533.0
162.5°	541.0	541.5	542.0	541.0	540.0	539.0	538.0	539.0	540.0	537.0	540.0
165°	552.0	552.5	553.0	551.5	550.0	549.0	548.0	549.0	550.0	548.0	550.0
167.5°	560.0	560.0	560.0	559.0	558.0	558.5	559.0	561.0	563.0	561.0	563.0
170°	566.0	565.5	565.0	564.5	564.0	565.0	566.0	568.5	571.0	569.0	571.0
172.5°	568.0	568.5	569.0	568.0	567.0	567.5	568.0	569.5	571.0	568.0	571.0
175°	572.0	572.5	573.0	571.5	570.0	569.0	568.0	569.5	571.0	568.0	571.0
177.5°	577.0	577.0	577.0	575.5	574.0	574.0	574.0	575.5	577.0	574.0	577.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



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CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030-ULG

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3
2.5°	527.1	518.0	511.0	502.7	495.7	488.7	483.9	473.4	465.0	446.2	441.3
5°	514.5	495.0	481.8	469.2	453.2	442.0	430.2	415.5	399.5	372.3	363.9
7.5°	465.0	440.6	422.5	404.4	383.5	364.6	347.2	327.7	299.8	270.5	259.4
10°	411.3	385.5	360.4	338.8	313.7	292.8	277.5	263.5	241.2	218.9	204.3
12.5°	367.4	338.1	309.6	287.9	274.7	264.2	253.1	241.9	218.2	193.1	175.7
15°	347.2	313.0	287.9	269.8	258.0	245.4	232.2	219.6	191.7	162.4	141.5
17.5°	350.0	310.9	278.9	254.5	238.4	221.0	205.7	189.6	159.0	124.1	105.3
20°	365.3	313.0	269.1	240.5	217.5	195.2	175.7	155.5	117.8	90.6	77.4
22.5°	384.9	320.0	263.5	226.6	198.0	170.1	145.0	121.3	87.1	71.1	64.8
25°	418.3	336.0	262.1	214.0	179.2	145.7	119.9	94.8	70.4	62.7	59.3
27.5°	460.1	354.2	263.5	205.0	163.1	126.2	97.6	78.8	63.4	59.3	56.5
30°	502.0	373.0	257.3	191.0	144.3	108.1	83.7	71.8	62.7	57.9	53.0
32.5°	538.9	386.9	246.8	176.4	127.6	92.0	71.1	61.4	55.1	49.5	48.1
35°	565.4	393.2	235.0	167.3	116.4	82.3	62.7	55.1	48.8	43.2	40.4
37.5°	590.5	393.9	222.4	159.0	112.2	78.1	57.9	50.9	45.3	40.4	37.6
40°	616.3	391.1	215.4	150.6	106.0	76.0	55.8	47.4	43.9	38.3	35.6
42.5°	635.1	386.2	212.6	145.7	100.4	70.4	54.4	46.7	41.8	37.6	34.2
45°	652.6	381.4	212.6	141.5	96.2	66.9	51.6	47.4	40.4	37.0	32.8
47.5°	673.5	383.5	213.3	138.0	92.7	63.4	48.8	46.0	41.1	36.3	32.1
50°	709.0	407.2	216.8	136.0	89.9	60.7	46.7	43.9	45.3	35.6	31.4
52.5°	770.4	444.8	222.4	134.6	87.1	58.6	43.9	42.5	46.0	35.6	30.7
55°	850.6	483.2	228.0	131.1	83.0	54.4	42.5	39.7	42.5	35.6	30.0
57.5°	928.7	511.7	232.9	126.2	76.0	50.2	40.4	37.6	39.0	34.9	28.6
60°	974.0	534.1	237.7	117.8	67.6	45.3	38.3	35.6	34.9	34.9	27.9
62.5°	986.5	525.7	235.0	107.4	60.7	41.8	36.3	33.5	31.4	35.6	27.9
65°	946.8	481.8	224.5	98.3	55.8	40.4	34.2	32.1	30.0	30.7	26.5
67.5°	824.8	405.1	195.9	89.9	55.1	39.7	32.8	30.7	27.9	27.2	25.1
70°	672.8	317.9	162.4	83.7	54.4	39.7	31.4	28.6	26.5	24.4	23.0
72.5°	517.3	237.7	136.6	80.9	55.1	39.0	29.3	25.8	23.7	22.3	20.9
75°	363.9	168.0	113.6	72.5	51.6	37.0	27.2	23.0	20.9	19.5	18.1
77.5°	263.5	114.3	84.4	58.6	43.9	32.1	23.7	19.5	17.4	16.7	15.3
80°	168.0	70.4	56.5	43.2	32.1	25.1	18.1	15.3	13.9	12.5	11.9
82.5°	96.9	41.1	34.2	29.3	20.9	16.7	13.2	11.9	9.1	8.4	7.7
85°	59.3	25.8	18.8	15.3	13.2	10.5	7.7	7.0	4.9	4.2	3.5
87.5°	13.2	5.6	4.9	3.5	4.2	3.5	2.1	1.4	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°	4.5	5.0	6.0	7.0	10.0	13.0	11.0	9.0	4.0	3.0	2.0
100°	26.5	27.0	28.5	30.0	31.0	32.0	31.0	30.0	22.0	14.0	10.0
102.5°	48.5	48.0	49.0	50.0	50.5	51.0	50.5	50.0	45.0	38.0	32.0
105°	70.0	69.0	70.0	71.0	71.0	71.0	70.5	70.0	66.0	61.0	56.0
107.5°	91.5	91.0	91.5	92.0	92.5	93.0	92.0	91.0	88.0	84.0	80.0
110°	113.5	113.0	113.5	114.0	114.0	114.0	113.0	112.0	110.0	106.0	103.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°	
112.5°	136.0	135.0	135.5	136.0	136.0	136.0	135.0	134.0	132.0	129.0	126.0	0°
115°	159.0	158.0	158.0	158.0	158.0	158.0	157.0	156.0	154.0	151.0	149.0	2.5°
117.5°	181.0	180.0	180.5	181.0	180.5	180.0	179.5	179.0	177.0	174.0	172.0	5°
120°	205.0	204.0	204.0	204.0	204.0	204.0	203.0	202.0	201.0	198.0	196.0	7.5°
122.5°	231.0	229.0	228.5	228.0	228.0	228.0	227.5	227.0	226.0	223.0	221.0	10°
125°	255.5	254.0	254.0	254.0	253.5	253.0	252.5	252.0	251.0	248.0	247.0	12.5°
127.5°	279.5	278.0	277.5	277.0	277.5	278.0	277.0	276.0	274.0	272.0	270.0	15°
130°	303.5	302.0	301.5	301.0	301.0	301.0	300.0	299.0	298.0	294.0	293.0	17.5°
132.5°	327.5	326.0	325.5	325.0	325.0	325.0	323.5	322.0	321.0	318.0	317.0	20°
135°	350.0	349.0	348.5	348.0	348.0	348.0	346.5	345.0	345.0	341.0	339.0	22.5°
137.5°	372.0	370.0	369.5	369.0	369.0	369.0	368.0	367.0	367.0	364.0	363.0	25°
140°	394.0	392.0	391.0	390.0	390.0	390.0	389.5	389.0	388.0	386.0	385.0	27.5°
142.5°	414.5	413.0	412.5	412.0	412.0	412.0	411.0	410.0	410.0	407.0	408.0	30°
145°	435.5	434.0	433.5	433.0	433.5	434.0	433.0	432.0	431.0	428.0	428.0	32.5°
147.5°	454.5	453.0	452.5	452.0	453.0	454.0	453.5	453.0	452.0	448.0	447.0	35°
150°	471.0	469.0	469.0	469.0	470.0	471.0	470.5	470.0	469.0	465.0	464.0	37.5°
152.5°	487.5	486.0	486.0	486.0	486.5	487.0	486.5	486.0	485.0	482.0	483.0	40°
155°	505.5	504.0	503.5	503.0	503.5	504.0	503.5	503.0	503.0	501.0	502.0	42.5°
157.5°	520.5	518.0	517.5	517.0	518.0	519.0	519.0	519.0	519.0	516.0	517.0	45°
160°	531.5	530.0	530.0	530.0	531.0	532.0	532.0	532.0	532.0	529.0	529.0	47.5°
162.5°	539.0	538.0	539.0	540.0	541.0	542.0	541.5	541.0	541.0	538.0	539.0	50°
165°	549.0	548.0	549.0	550.0	551.5	553.0	552.5	552.0	552.0	548.0	549.0	52.5°
167.5°	561.0	559.0	558.5	558.0	559.0	560.0	560.0	560.0	561.0	558.0	559.0	55°
170°	568.5	566.0	565.0	564.0	564.5	565.0	565.5	566.0	567.0	565.0	566.0	57.5°
172.5°	569.5	568.0	567.5	567.0	568.0	569.0	568.5	568.0	569.0	567.0	569.0	60°
175°	569.5	568.0	569.0	570.0	571.5	573.0	572.5	572.0	572.0	569.0	570.0	62.5°
177.5°	575.5	574.0	574.0	574.0	575.5	577.0	577.0	577.0	578.0	574.0	575.0	65°
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	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
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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°	175°	175°
487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	112.5°	124.0
433.7	423.2	423.9	421.8	416.2	407.2	404.4	399.5	400.2	403.0	400.2	115°	147.0
354.2	341.6	343.0	342.3	336.7	330.5	325.6	319.3	317.2	319.3	315.8	117.5°	170.0
251.0	242.6	245.4	251.7	251.0	247.5	243.3	236.3	235.0	235.7	229.4	120°	195.0
191.7	183.4	181.3	180.6	179.2	177.1	171.5	165.9	163.8	164.5	160.4	122.5°	220.0
160.4	153.4	145.0	137.3	130.4	127.6	120.6	117.1	116.4	116.4	114.3	125°	246.0
126.9	121.3	116.4	108.8	103.2	99.0	94.1	91.3	90.6	91.3	91.3	127.5°	269.0
94.8	92.0	89.9	89.2	86.5	83.7	80.9	79.5	78.8	78.8	79.5	130°	292.0
72.5	71.8	71.8	71.8	75.3	78.1	78.8	76.7	76.0	75.3	74.6	132.5°	314.0
62.7	62.1	62.7	66.9	64.8	62.7	62.7	62.7	62.7	62.7	63.4	135°	337.0
57.9	58.6	59.3	57.2	55.1	53.7	53.0	53.0	52.3	52.3	53.0	137.5°	360.0
55.1	54.4	53.7	52.3	50.9	48.8	48.1	47.4	47.4	47.4	47.4	140°	383.0
51.6	50.9	50.2	48.8	46.7	43.9	43.2	43.2	42.5	43.2	43.2	142.5°	406.0
47.4	46.7	46.0	44.6	42.5	41.1	40.4	39.0	39.0	39.0	39.7	145°	426.0
38.3	37.6	37.6	38.3	38.3	37.6	37.6	36.3	36.3	36.3	36.3	147.5°	444.0
35.6	34.9	34.9	34.2	34.9	35.6	34.9	34.2	34.2	33.5	33.5	150°	462.0
33.5	33.5	32.8	32.1	32.1	33.5	32.8	32.1	31.4	31.4	31.4	152.5°	480.0
32.1	31.4	31.4	30.7	30.7	30.7	30.0	29.3	28.6	28.6	28.6	155°	500.0
30.7	30.7	30.0	29.3	28.6	28.6	27.2	26.5	26.5	26.5	27.2	157.5°	515.0
30.0	29.3	29.3	28.6	27.9	26.5	25.8	25.1	25.1	25.1	25.1	160°	527.0
29.3	28.6	27.9	27.9	26.5	25.8	25.1	24.4	24.4	24.4	24.4	162.5°	536.0
28.6	27.9	27.2	26.5	25.8	25.1	24.4	23.7	23.7	23.7	23.7	165°	547.0
27.2	26.5	26.5	25.8	25.8	25.1	24.4	23.7	23.7	23.7	23.0	167.5°	556.0
26.5	25.8	25.1	25.1	25.1	24.4	23.7	23.0	23.0	23.0	23.0	170°	563.0
25.8	25.1	25.1	24.4	24.4	23.7	23.7	23.0	22.3	22.3	21.6	172.5°	566.0
25.1	24.4	24.4	23.7	24.4	23.7	23.0	22.3	21.6	21.6	20.9	175°	569.0
24.4	23.7	23.7	23.7	23.0	23.0	22.3	20.9	20.9	20.9	20.2	177.5°	573.0
23.0	22.3	22.3	23.0	22.3	21.6	21.6	20.2	20.2	19.5	19.5	180°	576.0
20.9	20.9	20.9	21.6	20.9	20.2	20.2	19.5	18.8	18.1	18.1		
19.5	18.8	19.5	19.5	19.5	18.8	19.5	18.1	17.4	16.7	16.7		
16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.0	15.3	14.6		
13.2	13.9	13.9	13.9	13.9	14.6	13.9	13.9	13.9	13.2	12.5		
9.8	9.8	10.5	11.2	10.5	11.2	10.5	11.2	10.5	10.5	10.5		
5.6	5.6	6.3	7.0	7.0	7.7	6.3	7.0	7.0	7.7	7.0		
2.1	2.1	2.1	2.1	2.8	2.8	2.1	2.8	2.8	3.5	3.5		
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		
2.0	2.0	2.0	2.0	3.0	4.0	9.0	11.0	12.0	13.0	11.5		
8.0	8.0	8.0	10.0	14.0	22.0	30.0	31.0	31.5	32.0	31.5		
28.0	28.0	28.0	32.0	38.0	45.0	50.0	50.5	50.8	51.0	50.8		
54.0	54.0	54.0	56.0	61.0	66.0	70.0	70.5	70.8	71.0	71.0		
77.0	78.0	77.0	80.0	84.0	88.0	91.0	92.0	92.5	93.0	92.8		
102.0	101.0	102.0	103.0	106.0	110.0	112.0	113.0	113.5	114.0	114.0		

'228459
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 CATALOG NUMBER: ISS-AF-350

TION (continued):

CANDELA DISTRIBUTION (con

180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°		240°	242.5°
124.0	124.0	126.0	129.0	132.0	134.0	135.0	135.5	136.0	136.0	0°	487.3	487.3
146.0	147.0	149.0	151.0	154.0	156.0	157.0	157.5	158.0	158.0	2.5°	405.8	405.8
169.0	170.0	172.0	174.0	177.0	179.0	179.5	179.8	180.0	180.2	5°	318.6	317.9
193.0	195.0	196.0	198.0	201.0	202.0	203.0	203.5	204.0	204.0	7.5°	231.5	229.4
219.0	220.0	221.0	223.0	226.0	227.0	227.5	227.8	228.0	228.0	10°	161.7	156.2
244.0	246.0	247.0	248.0	251.0	252.0	252.5	252.8	253.0	253.2	12.5°	117.1	115.0
267.0	269.0	270.0	272.0	274.0	276.0	277.0	277.5	278.0	277.8	15°	92.7	92.7
290.0	292.0	293.0	294.0	298.0	299.0	300.0	300.5	301.0	301.0	17.5°	80.2	80.2
313.0	314.0	317.0	318.0	321.0	322.0	323.5	324.2	325.0	325.0	20°	73.9	73.2
336.0	337.0	339.0	341.0	345.0	345.0	346.5	347.2	348.0	348.0	22.5°	63.4	62.7
359.0	360.0	363.0	364.0	367.0	367.0	368.0	368.5	369.0	369.0	25°	52.3	52.3
382.0	383.0	385.0	386.0	388.0	389.0	389.5	389.8	390.0	390.0	27.5°	47.4	47.4
404.0	406.0	408.0	407.0	410.0	410.0	411.0	411.5	412.0	412.0	30°	43.2	43.9
425.0	426.0	428.0	428.0	431.0	432.0	433.0	433.5	434.0	433.8	32.5°	39.7	39.7
444.0	444.0	447.0	448.0	452.0	453.0	453.5	453.8	454.0	453.5	35°	35.6	35.6
461.0	462.0	464.0	465.0	469.0	470.0	470.5	470.8	471.0	470.5	37.5°	32.8	32.1
479.0	480.0	483.0	482.0	485.0	486.0	486.5	486.8	487.0	486.8	40°	30.0	30.0
499.0	500.0	502.0	501.0	503.0	503.0	503.5	503.8	504.0	503.8	42.5°	27.9	27.9
513.0	515.0	517.0	516.0	519.0	519.0	519.0	519.0	519.0	518.5	45°	26.5	26.5
525.0	527.0	529.0	529.0	532.0	532.0	532.0	532.0	532.0	531.5	47.5°	25.8	25.8
535.0	536.0	539.0	538.0	541.0	541.0	541.5	541.8	542.0	541.5	50°	24.4	24.4
546.0	547.0	549.0	548.0	552.0	552.0	552.5	552.8	553.0	552.2	52.5°	23.7	23.7
555.0	556.0	559.0	558.0	561.0	560.0	560.0	560.0	560.0	559.5	55°	23.0	23.7
562.0	563.0	566.0	565.0	567.0	566.0	565.5	565.2	565.0	564.8	57.5°	22.3	22.3
565.0	566.0	569.0	567.0	569.0	568.0	568.5	568.8	569.0	568.5	60°	21.6	21.6
567.0	569.0	570.0	569.0	572.0	572.0	572.5	572.8	573.0	572.2	62.5°	20.9	20.9
572.0	573.0	575.0	574.0	578.0	577.0	577.0	577.0	577.0	576.2	65°	20.2	20.2
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	18.8	18.8
										70°	17.4	17.4
										72.5°	16.0	16.0
										75°	14.6	13.9
										77.5°	12.5	11.9
										80°	10.5	9.8
										82.5°	7.7	7.0
										85°	3.5	3.5
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	10.0	8.5
										100°	31.0	30.5
										102.5°	50.5	50.2
										105°	71.0	71.0
										107.5°	92.5	92.2
										110°	114.0	114.0

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0-LED-E1-SLL-7030-ULG

tinued):

CANDELA DISTRIBUTION (continued):

245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°		240°	242.5°	245°
487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	112.5°	136.0	136.0	136.0
397.4	398.8	400.2	403.0	401.6	400.9	400.2	404.4	406.5	115°	158.0	158.0	158.0
307.5	306.8	308.9	309.6	307.5	304.0	301.9	302.6	304.7	117.5°	180.5	180.8	181.0
219.6	218.2	217.5	218.2	216.1	212.6	209.9	210.6	212.6	120°	204.0	204.0	204.0
154.8	155.5	156.9	158.3	158.3	158.3	159.0	163.1	168.0	122.5°	228.0	228.0	228.0
116.4	117.8	120.6	122.7	124.8	125.5	126.2	131.8	136.0	125°	253.5	253.8	254.0
94.1	94.8	96.2	97.6	99.0	99.0	99.7	101.8	105.3	127.5°	277.5	277.2	277.0
80.2	80.2	80.2	79.5	78.8	77.4	76.7	76.0	76.7	130°	301.0	301.0	301.0
71.8	71.1	69.7	68.3	67.6	65.5	64.8	62.7	62.1	132.5°	325.0	325.0	325.0
62.7	62.7	62.7	62.1	61.4	60.7	59.3	57.2	55.8	135°	348.0	348.0	348.0
52.3	53.0	53.0	53.7	55.1	55.1	55.1	55.1	53.0	137.5°	369.0	369.0	369.0
47.4	47.4	48.1	48.1	48.8	48.8	48.8	49.5	50.2	140°	390.0	390.0	390.0
43.9	44.6	44.6	45.3	45.3	46.0	46.0	46.7	46.7	142.5°	412.0	412.0	412.0
40.4	41.1	41.1	41.1	42.5	42.5	41.8	42.5	42.5	145°	433.5	433.2	433.0
35.6	35.6	35.6	35.6	35.6	35.6	34.2	33.5	34.2	147.5°	453.0	452.5	452.0
32.1	31.4	30.7	30.7	30.7	31.4	30.7	31.4	31.4	150°	470.0	469.5	469.0
29.3	29.3	29.3	29.3	29.3	29.3	29.3	30.0	30.7	152.5°	486.5	486.2	486.0
27.9	27.9	27.9	27.9	27.9	27.9	27.9	28.6	28.6	155°	503.5	503.2	503.0
26.5	26.5	27.2	27.2	27.2	27.2	27.2	27.2	27.9	157.5°	518.0	517.5	517.0
25.8	25.8	25.8	25.8	25.8	25.8	25.8	26.5	27.2	160°	531.0	530.5	530.0
25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.8	26.5	162.5°	541.0	540.5	540.0
23.7	24.4	24.4	24.4	24.4	24.4	24.4	24.4	25.1	165°	551.5	550.8	550.0
23.7	23.7	23.7	23.7	23.0	23.0	23.0	23.0	23.7	167.5°	559.0	558.5	558.0
23.0	23.0	23.0	22.3	22.3	21.6	21.6	21.6	23.0	170°	564.5	564.2	564.0
21.6	21.6	21.6	20.9	20.9	20.9	20.9	21.6	21.6	172.5°	568.0	567.5	567.0
20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	175°	571.5	570.8	570.0
19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	177.5°	575.5	574.8	574.0
18.8	18.1	18.1	18.1	18.1	18.8	18.1	18.1	18.1	180°	576.0	576.0	576.0
17.4	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7				
16.0	16.0	15.3	15.3	15.3	15.3	15.3	15.3	15.3				
13.9	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2				
11.9	11.9	11.2	11.2	11.2	11.2	11.2	11.2	11.2				
9.8	9.1	9.1	9.1	9.1	9.1	9.1	8.4	8.4				
7.0	7.0	7.0	6.3	6.3	6.3	6.3	5.6	4.9				
2.8	3.5	3.5	4.2	3.5	3.5	3.5	2.8	1.4				
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				
0.0	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				
7.0	6.5	6.0	5.5	5.0	4.8	4.5	4.0	4.0				
30.0	29.2	28.5	27.8	27.0	26.8	26.5	26.0	25.0				
50.0	49.5	49.0	48.5	48.0	48.2	48.5	49.0	48.0				
71.0	70.5	70.0	69.5	69.0	69.5	70.0	71.0	69.0				
92.0	91.8	91.5	91.2	91.0	91.2	91.5	92.0	91.0				
114.0	113.8	113.5	113.2	113.0	113.2	113.5	114.0	113.0				



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SLL-7030-ULG

CANDELA DISTRIBUTION (continued):

247.5°	250°	252.5°	255°	257.5°	260°	265°	270°		275°	280°	282.5°	285°
135.8	135.5	135.2	135.0	135.5	136.0	137.0	135.0	0°	487.3	487.3	487.3	487.3
158.0	158.0	158.0	158.0	158.5	159.0	160.0	159.0	2.5°	405.1	412.0	412.7	408.6
180.8	180.5	180.2	180.0	180.5	181.0	182.0	180.0	5°	301.9	310.9	310.3	304.7
204.0	204.0	204.0	204.0	204.5	205.0	206.0	204.0	7.5°	213.3	221.0	220.3	219.6
228.2	228.5	228.8	229.0	230.0	231.0	233.0	232.0	10°	172.9	179.9	182.0	186.8
254.0	254.0	254.0	254.0	254.8	255.5	257.0	256.0	12.5°	140.1	148.5	150.6	156.2
277.2	277.5	277.8	278.0	278.8	279.5	281.0	278.0	15°	108.1	115.0	117.1	121.3
301.2	301.5	301.8	302.0	302.8	303.5	305.0	303.0	17.5°	79.5	83.7	85.1	87.8
325.2	325.5	325.8	326.0	326.8	327.5	329.0	327.0	20°	62.1	63.4	64.1	64.8
348.2	348.5	348.8	349.0	349.5	350.0	351.0	350.0	22.5°	55.8	56.5	56.5	57.2
369.2	369.5	369.8	370.0	371.0	372.0	374.0	372.0	25°	51.6	52.3	52.3	53.0
390.5	391.0	391.5	392.0	393.0	394.0	396.0	394.0	27.5°	49.5	49.5	49.5	49.5
412.2	412.5	412.8	413.0	413.8	414.5	416.0	415.0	30°	47.4	47.4	47.4	48.1
433.2	433.5	433.8	434.0	434.8	435.5	437.0	435.0	32.5°	43.9	42.5	43.9	43.2
452.2	452.5	452.8	453.0	453.8	454.5	456.0	453.0	35°	34.2	34.2	34.9	35.6
469.0	469.0	469.0	469.0	470.0	471.0	473.0	470.0	37.5°	32.1	32.8	32.8	33.5
486.0	486.0	486.0	486.0	486.8	487.5	489.0	486.0	40°	30.7	31.4	32.1	32.8
503.2	503.5	503.8	504.0	504.8	505.5	507.0	505.0	42.5°	29.3	30.7	30.7	31.4
517.2	517.5	517.8	518.0	519.2	520.5	523.0	520.0	45°	28.6	29.3	30.0	30.7
530.0	530.0	530.0	530.0	530.8	531.5	533.0	531.0	47.5°	27.9	28.6	29.3	30.0
539.5	539.0	538.5	538.0	538.5	539.0	540.0	537.0	50°	26.5	27.9	28.6	29.3
549.5	549.0	548.5	548.0	548.5	549.0	550.0	548.0	52.5°	25.8	27.2	27.2	28.6
558.2	558.5	558.8	559.0	560.0	561.0	563.0	561.0	55°	24.4	25.8	25.8	27.2
564.5	565.0	565.5	566.0	567.2	568.5	571.0	569.0	57.5°	23.0	24.4	25.1	25.8
567.2	567.5	567.8	568.0	568.8	569.5	571.0	568.0	60°	22.3	23.0	23.7	24.4
569.5	569.0	568.5	568.0	568.8	569.5	571.0	568.0	62.5°	20.9	22.3	23.0	23.7
574.0	574.0	574.0	574.0	574.8	575.5	577.0	574.0	65°	20.2	21.6	21.6	23.0
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	18.8	20.2	20.2	20.9
								70°	17.4	18.1	18.8	19.5
								72.5°	16.0	16.7	16.7	17.4
								75°	13.2	13.9	14.6	15.3
								77.5°	11.2	11.2	12.5	12.5
								80°	8.4	8.4	9.1	9.8
								82.5°	4.9	4.9	5.6	5.6
								85°	1.4	1.4	1.4	1.4
								87.5°	0.0	0.0	0.0	0.0
								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°	4.0	4.5	4.8	5.0
								100°	26.0	26.5	26.8	27.0
								102.5°	49.0	48.5	48.2	48.0
								105°	71.0	70.0	69.5	69.0
								107.5°	92.0	91.5	91.2	91.0
								110°	114.0	113.5	113.2	113.0



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CANDELA DISTRIBUTION (continued):

287.5°	290°	292.5°	295°	297.5°	300°	302.5°		275°	280°	282.5°	285°	287.5°
487.3	487.3	487.3	487.3	487.3	487.3	487.3	112.5°	137.0	136.0	135.5	135.0	135.2
416.9	418.3	416.2	416.2	417.6	423.2	423.2	115°	160.0	159.0	158.5	158.0	158.0
315.8	319.3	317.2	317.9	320.7	327.0	330.5	117.5°	182.0	181.0	180.5	180.0	180.2
226.6	229.4	230.8	232.9	241.2	241.9	246.1	120°	206.0	205.0	204.5	204.0	204.0
188.9	193.1	195.9	199.4	206.4	209.9	214.7	122.5°	233.0	231.0	230.0	229.0	228.8
159.0	163.8	166.6	173.6	177.8	182.0	188.2	125°	257.0	255.5	254.8	254.0	254.0
124.1	129.7	132.5	136.6	145.0	149.2	157.6	127.5°	281.0	279.5	278.8	278.0	277.8
89.9	92.0	97.6	104.6	109.5	116.4	120.6	130°	305.0	303.5	302.8	302.0	301.8
66.2	67.6	70.4	75.3	78.1	83.7	87.8	132.5°	329.0	327.5	326.8	326.0	325.8
57.2	57.9	59.3	60.7	62.1	64.1	66.2	135°	351.0	350.0	349.5	349.0	348.8
53.0	53.7	54.4	55.1	56.5	57.2	57.9	137.5°	374.0	372.0	371.0	370.0	369.8
50.2	50.2	50.9	52.3	52.3	53.7	54.4	140°	396.0	394.0	393.0	392.0	391.5
48.8	50.2	51.6	53.7	54.4	55.8	56.5	142.5°	416.0	414.5	413.8	413.0	412.8
41.8	41.8	42.5	43.9	43.9	44.6	45.3	145°	437.0	435.5	434.8	434.0	433.8
35.6	36.3	37.0	37.6	38.3	39.7	40.4	147.5°	456.0	454.5	453.8	453.0	452.8
34.2	34.2	34.9	36.3	37.0	37.6	38.3	150°	473.0	471.0	470.0	469.0	469.0
32.8	33.5	34.2	34.9	35.6	37.0	37.6	152.5°	489.0	487.5	486.8	486.0	486.0
32.1	32.8	33.5	34.2	35.6	36.3	37.0	155°	507.0	505.5	504.8	504.0	503.8
31.4	32.1	32.8	34.2	34.9	36.3	37.0	157.5°	523.0	520.5	519.2	518.0	517.8
30.7	31.4	32.1	33.5	34.9	36.3	37.6	160°	533.0	531.5	530.8	530.0	530.0
30.0	30.7	32.1	33.5	34.9	37.0	40.4	162.5°	540.0	539.0	538.5	538.0	538.5
29.3	30.7	32.1	33.5	35.6	38.3	41.8	165°	550.0	549.0	548.5	548.0	548.5
28.6	30.0	30.7	32.8	34.9	37.6	38.3	167.5°	563.0	561.0	560.0	559.0	558.8
27.2	28.6	29.3	31.4	34.2	34.9	34.2	170°	571.0	568.5	567.2	566.0	565.5
25.8	26.5	28.6	32.8	35.6	32.8	29.3	172.5°	571.0	569.5	568.8	568.0	567.8
25.1	25.8	27.2	30.0	30.7	27.2	26.5	175°	571.0	569.5	568.8	568.0	568.5
23.7	23.7	24.4	24.4	24.4	24.4	24.4	177.5°	577.0	575.5	574.8	574.0	574.0
21.6	21.6	22.3	22.3	22.3	22.3	22.3	180°	576.0	576.0	576.0	576.0	576.0
19.5	19.5	20.2	20.2	20.2	20.9	20.9						
17.4	18.1	18.1	18.8	18.8	18.8	19.5						
15.3	16.0	16.0	16.0	16.0	16.7	16.7						
13.2	13.2	13.9	13.9	13.9	13.9	13.9						
10.5	10.5	10.5	10.5	10.5	10.5	10.5						
6.3	6.3	7.0	6.3	6.3	5.6	5.6						
1.4	1.4	1.4	0.7	0.7	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						
1.0	1.0	1.0	1.0	1.0	1.0	1.0						
5.5	6.0	6.5	7.0	8.5	10.0	11.5						
27.8	28.5	29.2	30.0	30.5	31.0	31.5						
48.5	49.0	49.5	50.0	50.2	50.5	50.8						
69.5	70.0	70.5	71.0	71.0	71.0	71.0						
91.2	91.5	91.8	92.0	92.2	92.5	92.8						
113.2	113.5	113.8	114.0	114.0	114.0	114.0						



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CANDELA DISTRIBUTION (continued):

290°	292.5°	295°	297.5°	300°	302.5°		305°	307.5°	310°	312.5°	315°	317.5°
135.5	135.8	136.0	136.0	136.0	136.0	0°	487.3	487.3	487.3	487.3	487.3	487.3
158.0	158.0	158.0	158.0	158.0	158.0	2.5°	433.7	433.7	435.0	440.6	442.0	445.5
180.5	180.8	181.0	180.8	180.5	180.2	5°	343.0	345.8	350.0	357.0	361.1	368.8
204.0	204.0	204.0	204.0	204.0	204.0	7.5°	255.9	260.1	263.5	271.2	277.5	285.2
228.5	228.2	228.0	228.0	228.0	228.0	10°	221.7	225.2	230.1	235.0	241.2	244.7
254.0	254.0	254.0	253.8	253.5	253.2	12.5°	197.3	202.2	207.1	214.0	220.3	226.6
277.5	277.2	277.0	277.2	277.5	277.8	15°	167.3	172.9	178.5	186.2	195.2	201.5
301.5	301.2	301.0	301.0	301.0	301.0	17.5°	129.7	136.0	143.6	154.1	163.8	171.5
325.5	325.2	325.0	325.0	325.0	325.0	20°	95.5	101.1	108.1	117.1	124.1	137.3
348.5	348.2	348.0	348.0	348.0	348.0	22.5°	70.4	73.9	79.5	86.5	94.1	106.0
369.5	369.2	369.0	369.0	369.0	369.0	25°	59.3	60.7	62.7	66.9	71.8	80.2
391.0	390.5	390.0	390.0	390.0	390.0	27.5°	55.1	55.8	57.2	59.3	62.1	66.2
412.5	412.2	412.0	412.0	412.0	412.0	30°	57.9	57.9	57.9	58.6	60.0	62.1
433.5	433.2	433.0	433.2	433.5	433.8	32.5°	46.7	47.4	47.4	48.8	49.5	52.3
452.5	452.2	452.0	452.5	453.0	453.5	35°	41.8	42.5	43.2	43.9	45.3	46.0
469.0	469.0	469.0	469.5	470.0	470.5	37.5°	39.7	40.4	41.1	41.1	41.8	43.2
486.0	486.0	486.0	486.2	486.5	486.8	40°	39.0	39.0	39.0	39.0	40.4	41.8
503.5	503.2	503.0	503.2	503.5	503.8	42.5°	37.6	37.6	37.6	38.3	40.4	43.2
517.5	517.2	517.0	517.5	518.0	518.5	45°	37.6	37.6	38.3	41.1	41.8	41.8
530.0	530.0	530.0	530.5	531.0	531.5	47.5°	39.0	40.4	41.1	40.4	39.7	39.7
539.0	539.5	540.0	540.5	541.0	541.5	50°	42.5	41.8	39.0	38.3	38.3	37.0
549.0	549.5	550.0	550.8	551.5	552.2	52.5°	41.8	39.0	38.3	37.0	35.6	34.9
558.5	558.2	558.0	558.5	559.0	559.5	55°	37.6	37.0	34.9	33.5	32.8	33.5
565.0	564.5	564.0	564.2	564.5	564.8	57.5°	32.8	32.1	30.7	30.7	31.4	32.1
567.5	567.2	567.0	567.5	568.0	568.5	60°	28.6	28.6	28.6	29.3	30.0	30.7
569.0	569.5	570.0	570.8	571.5	572.2	62.5°	25.8	26.5	26.5	27.9	28.6	29.3
574.0	574.0	574.0	574.8	575.5	576.2	65°	24.4	25.1	25.8	25.8	26.5	27.2
576.0	576.0	576.0	576.0	576.0	576.0	67.5°	23.0	23.0	23.7	24.4	25.1	25.8
						70°	20.9	21.6	22.3	23.0	23.0	23.7
						72.5°	19.5	19.5	20.2	20.9	20.9	22.3
						75°	16.7	17.4	17.4	17.4	18.1	19.5
						77.5°	14.6	13.9	14.6	14.6	15.3	16.0
						80°	10.5	9.8	9.8	10.5	10.5	10.5
						82.5°	5.6	4.9	5.6	4.9	4.9	5.6
						85°	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
						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°	13.0	12.0	11.0	10.0	9.0	7.8
						100°	32.0	31.5	31.0	30.5	30.0	28.0
						102.5°	51.0	50.8	50.5	50.2	50.0	48.8
						105°	71.0	70.8	70.5	70.2	70.0	69.0
						107.5°	93.0	92.5	92.0	91.5	91.0	90.2
						110°	114.0	113.5	113.0	112.5	112.0	111.5



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CANDELA DISTRIBUTION (continued):

320°	322.5°	325°	335°	345°		305°	307.5°	310°	312.5°	315°	317.5°	320°
487.3	487.3	487.3	487.3	487.3	112.5°	136.0	135.5	135.0	134.5	134.0	133.5	133.0
444.8	451.1	453.9	470.6	488.0	115°	158.0	157.5	157.0	156.5	156.0	155.5	155.0
367.4	380.0	382.1	412.7	442.7	117.5°	180.0	179.8	179.5	179.2	179.0	178.5	178.0
287.2	301.9	306.1	346.5	388.3	120°	204.0	203.5	203.0	202.5	202.0	201.8	201.5
250.3	257.3	262.1	292.1	340.2	122.5°	228.0	227.8	227.5	227.2	227.0	226.8	226.5
232.2	239.1	245.4	269.8	307.5	125°	253.0	252.8	252.5	252.2	252.0	251.8	251.5
207.8	215.4	223.1	253.1	297.0	127.5°	278.0	277.5	277.0	276.5	276.0	275.5	275.0
177.8	188.2	198.0	234.3	292.1	130°	301.0	300.5	300.0	299.5	299.0	298.8	298.5
144.3	156.9	168.7	214.0	285.2	132.5°	325.0	324.2	323.5	322.8	322.0	321.8	321.5
113.6	124.8	138.0	195.2	285.2	135°	348.0	347.2	346.5	345.8	345.0	345.0	345.0
87.8	99.0	112.2	178.5	292.8	137.5°	369.0	368.5	368.0	367.5	367.0	367.0	367.0
71.8	80.9	94.1	165.2	304.0	140°	390.0	389.8	389.5	389.2	389.0	388.8	388.5
64.8	70.4	78.8	145.7	311.6	142.5°	412.0	411.5	411.0	410.5	410.0	410.0	410.0
55.1	59.3	66.9	133.9	316.5	145°	434.0	433.5	433.0	432.5	432.0	431.8	431.5
48.8	53.7	61.4	126.2	315.8	147.5°	454.0	453.8	453.5	453.2	453.0	452.8	452.5
45.3	50.2	59.3	123.4	315.8	150°	471.0	470.8	470.5	470.2	470.0	469.8	469.5
45.3	50.2	57.9	120.6	317.9	152.5°	487.0	486.8	486.5	486.2	486.0	485.8	485.5
44.6	47.4	53.7	119.2	321.4	155°	504.0	503.8	503.5	503.2	503.0	503.0	503.0
42.5	44.6	50.9	119.2	328.4	157.5°	519.0	519.0	519.0	519.0	519.0	519.0	519.0
39.7	42.5	48.8	121.3	341.6	160°	532.0	532.0	532.0	532.0	532.0	532.0	532.0
37.6	40.4	48.1	121.3	368.8	162.5°	542.0	541.8	541.5	541.2	541.0	541.0	541.0
35.6	39.7	47.4	119.9	407.9	165°	553.0	552.8	552.5	552.2	552.0	552.0	552.0
34.9	38.3	46.0	118.5	456.0	167.5°	560.0	560.0	560.0	560.0	560.0	560.2	560.5
34.2	37.0	42.5	115.0	494.3	170°	565.0	565.2	565.5	565.8	566.0	566.2	566.5
32.8	34.9	39.0	108.8	520.1	172.5°	569.0	568.8	568.5	568.2	568.0	568.2	568.5
30.7	32.8	35.6	101.8	525.7	175°	573.0	572.8	572.5	572.2	572.0	572.0	572.0
29.3	31.4	35.6	96.2	491.5	177.5°	577.0	577.0	577.0	577.0	577.0	577.2	577.5
27.2	30.7	36.3	91.3	416.9	180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0
25.8	30.7	37.0	89.2	331.2								
24.4	30.0	37.6	85.8	249.6								
22.3	27.2	32.8	71.1	168.7								
18.1	20.9	24.4	45.3	89.2								
11.9	12.5	13.9	27.9	49.5								
5.6	7.0	7.0	13.2	22.3								
0.0	0.0	0.0	1.4	4.9								
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								
6.5	5.2	4.0	3.0	2.0								
26.0	24.0	22.0	14.0	10.0								
47.5	46.2	45.0	38.0	32.0								
68.0	67.0	66.0	61.0	56.0								
89.5	88.8	88.0	84.0	80.0								
111.0	110.5	110.0	106.0	103.0								

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CANDELA DISTRIBUTION (continued):

322.5°	325°	335°	345°		355°	359°	360°
132.5	132.0	129.0	126.0	0°	487.3	487.3	487.3
154.5	154.0	151.0	149.0	2.5°	504.8	513.1	517.3
177.5	177.0	174.0	172.0	5°	477.6	495.0	500.6
201.2	201.0	198.0	196.0	7.5°	436.4	456.0	463.6
226.2	226.0	223.0	221.0	10°	395.3	419.7	427.4
251.2	251.0	248.0	247.0	12.5°	370.9	400.2	404.4
274.5	274.0	272.0	270.0	15°	361.1	391.1	399.5
298.2	298.0	294.0	293.0	17.5°	370.9	404.4	412.7
321.2	321.0	318.0	317.0	20°	389.7	430.9	444.1
345.0	345.0	341.0	339.0	22.5°	421.8	477.6	494.3
367.0	367.0	364.0	363.0	25°	474.1	551.5	566.1
388.2	388.0	386.0	385.0	27.5°	529.9	610.0	633.1
410.0	410.0	407.0	408.0	30°	578.7	664.4	683.2
431.2	431.0	428.0	428.0	32.5°	613.5	707.7	729.3
452.2	452.0	448.0	447.0	35°	654.7	757.2	778.1
469.2	469.0	465.0	464.0	37.5°	702.1	817.1	845.7
485.2	485.0	482.0	483.0	40°	754.4	879.2	911.2
503.0	503.0	501.0	502.0	42.5°	801.8	937.0	972.6
519.0	519.0	516.0	517.0	45°	838.7	991.4	1019.3
532.0	532.0	529.0	529.0	47.5°	881.3	1033.2	1064.6
541.0	541.0	538.0	539.0	50°	939.8	1086.2	1123.2
552.0	552.0	548.0	549.0	52.5°	1025.6	1176.2	1202.7
560.8	561.0	558.0	559.0	55°	1129.5	1284.9	1314.9
566.8	567.0	565.0	566.0	57.5°	1225.0	1386.0	1411.8
568.8	569.0	567.0	569.0	60°	1286.3	1432.7	1454.3
572.0	572.0	569.0	570.0	62.5°	1287.0	1434.1	1461.3
577.8	578.0	574.0	575.0	65°	1236.1	1403.5	1434.1
576.0	576.0	576.0	576.0	67.5°	1107.1	1325.4	1372.8
				70°	934.9	1172.0	1225.0
				72.5°	729.3	921.0	981.6
				75°	494.3	611.4	664.4
				77.5°	314.4	352.8	370.2
				80°	185.5	208.5	217.5
				82.5°	115.0	124.1	133.2
				85°	46.7	33.5	36.3
				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°	8.0	8.0	8.0
				102.5°	28.0	28.0	28.0
				105°	54.0	54.0	54.0
				107.5°	77.0	77.8	78.0
				110°	102.0	101.2	101.0

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CANDELA DISTRIBUTION (continued):

	355°	359°	360°
112.5°	124.0	124.0	124.0
115°	147.0	146.2	146.0
117.5°	170.0	169.2	169.0
120°	195.0	193.4	193.0
122.5°	220.0	219.2	219.0
125°	246.0	244.4	244.0
127.5°	269.0	267.4	267.0
130°	292.0	290.4	290.0
132.5°	314.0	313.2	313.0
135°	337.0	336.2	336.0
137.5°	360.0	359.2	359.0
140°	383.0	382.2	382.0
142.5°	406.0	404.4	404.0
145°	426.0	425.2	425.0
147.5°	444.0	444.0	444.0
150°	462.0	461.2	461.0
152.5°	480.0	479.2	479.0
155°	500.0	499.2	499.0
157.5°	515.0	513.4	513.0
160°	527.0	525.4	525.0
162.5°	536.0	535.2	535.0
165°	547.0	546.2	546.0
167.5°	556.0	555.2	555.0
170°	563.0	562.2	562.0
172.5°	566.0	565.2	565.0
175°	569.0	567.4	567.0
177.5°	573.0	572.2	572.0
180°	576.0	576.0	576.0

(END OF REPORT)