

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: P228654

Luminaire Tested: **ISC-AF-350-LED-E1-SLR-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228654
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: ISC-AF-350-LED-E1-SLR-7030-ULG
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT, 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

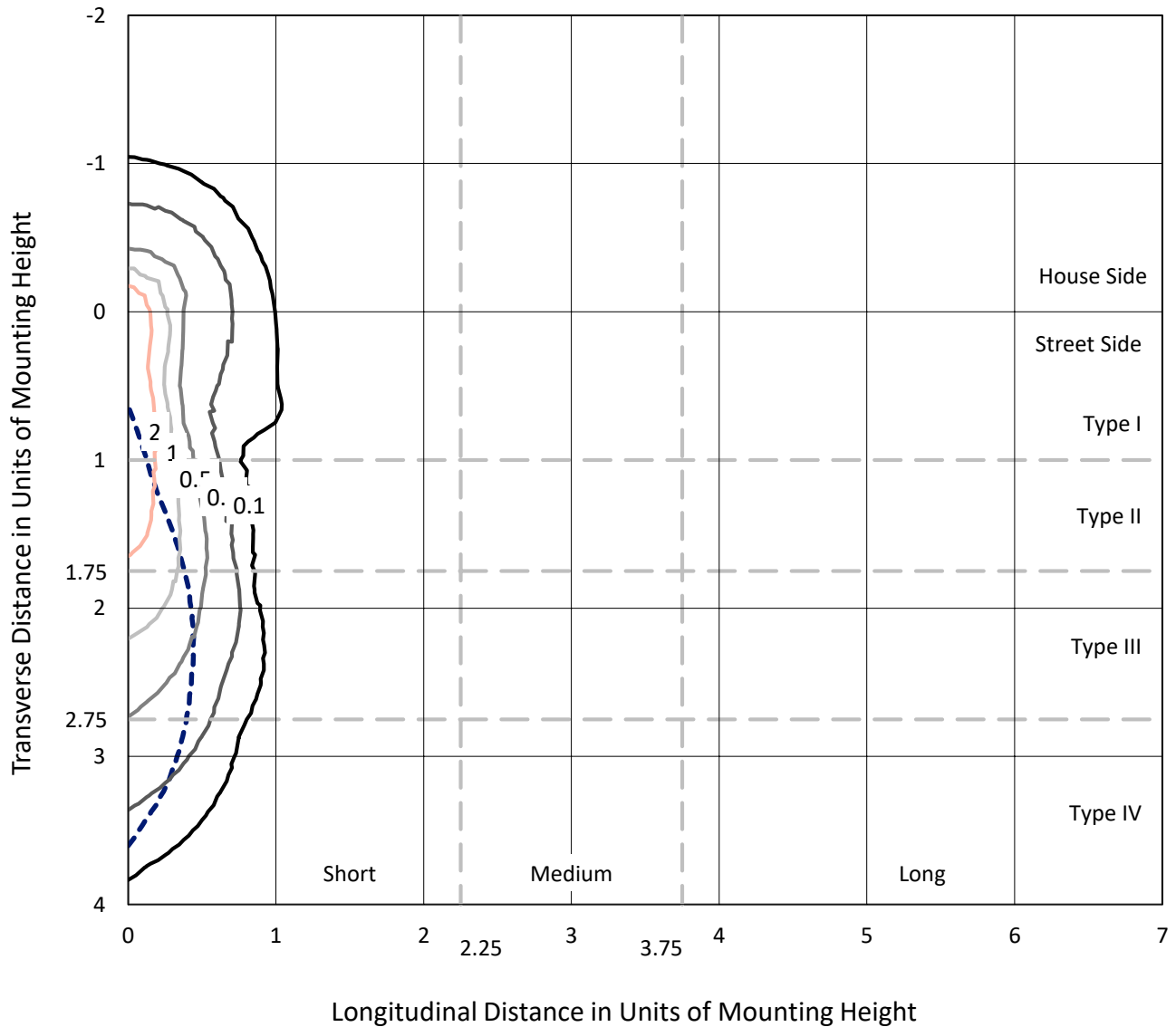


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

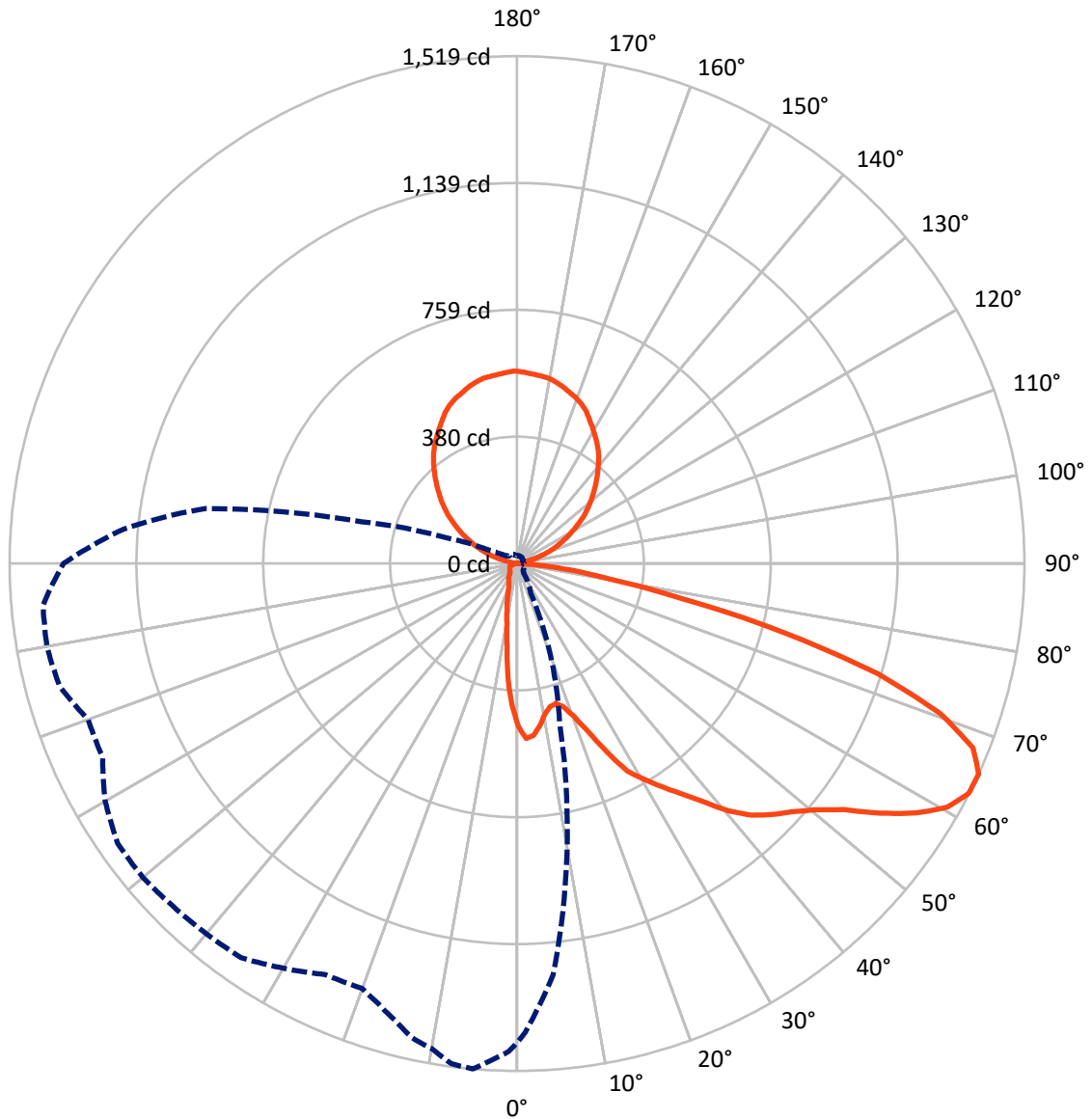


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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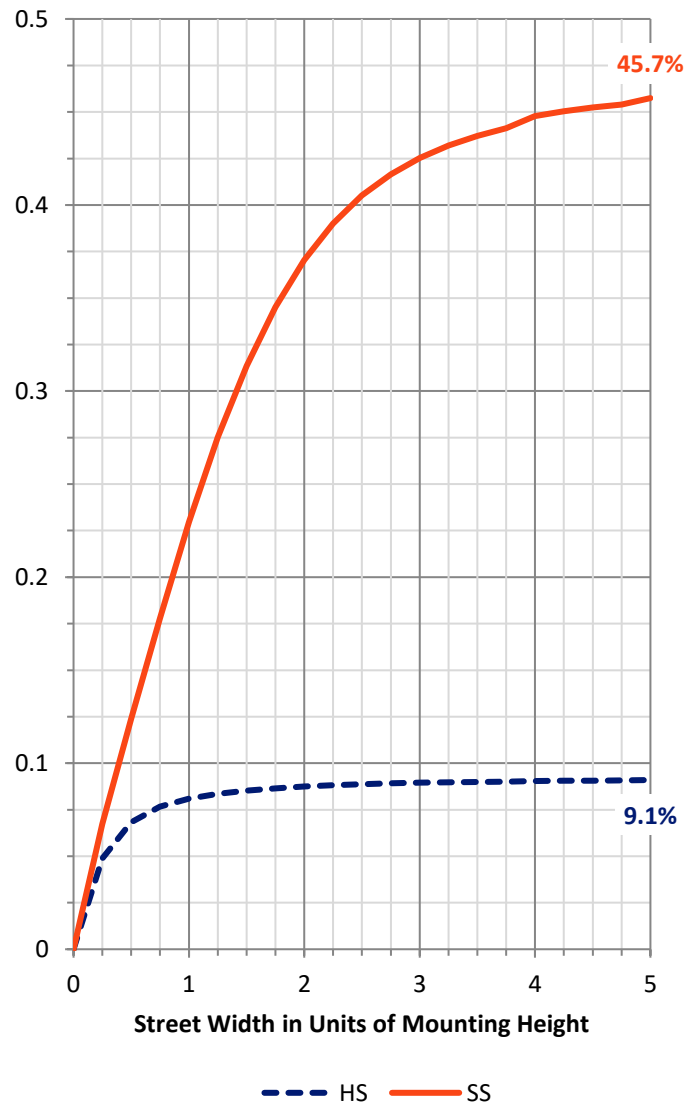
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	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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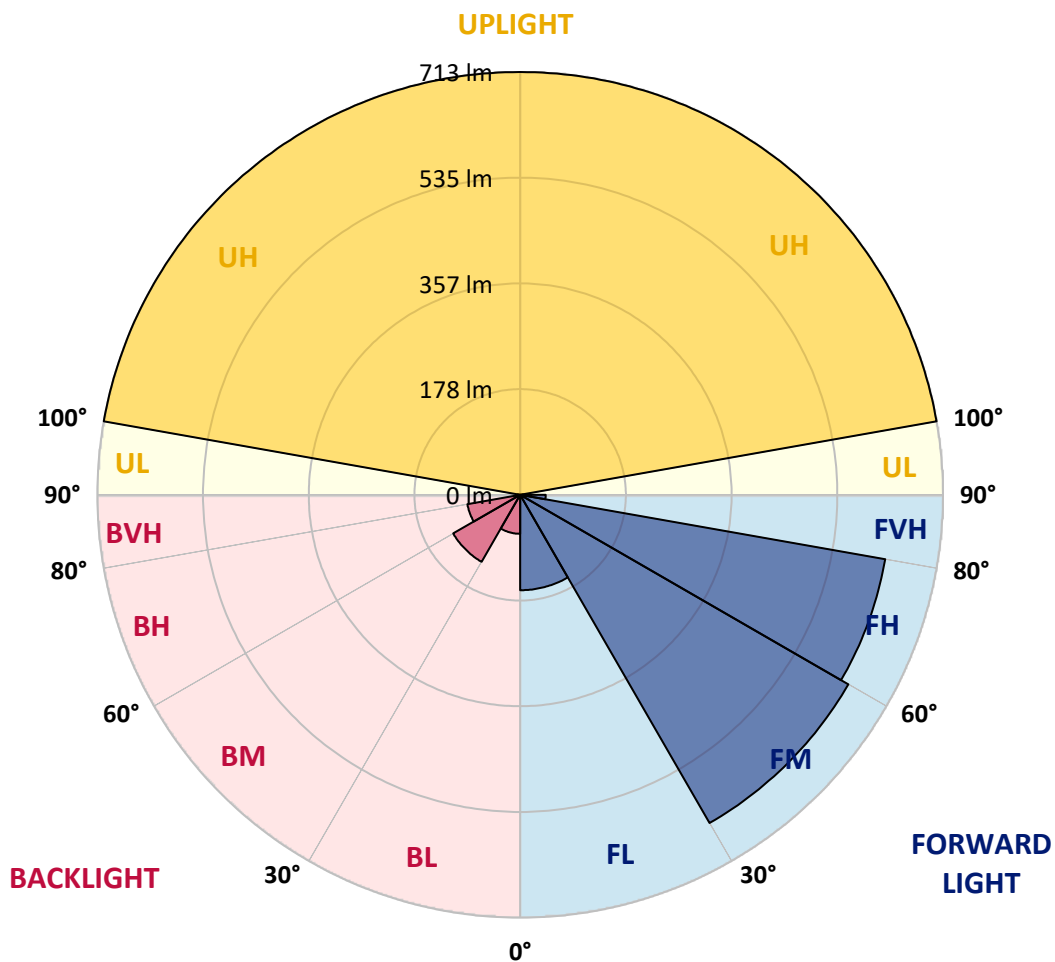
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	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°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
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	513.1	504.8	488.0	470.6	453.9	451.1	444.8	445.5	442.0	440.6
5°	500.6	495.0	477.6	442.7	412.7	382.1	380.0	367.4	368.8	361.1	357.0
7.5°	463.6	456.0	436.4	388.3	346.5	306.1	301.9	287.2	285.2	277.5	271.2
10°	427.4	419.7	395.3	340.2	292.1	262.1	257.3	250.3	244.7	241.2	235.0
12.5°	404.4	400.2	370.9	307.5	269.8	245.4	239.1	232.2	226.6	220.3	214.0
15°	399.5	391.1	361.1	297.0	253.1	223.1	215.4	207.8	201.5	195.2	186.2
17.5°	412.7	404.4	370.9	292.1	234.3	198.0	188.2	177.8	171.5	163.8	154.1
20°	444.1	430.9	389.7	285.2	214.0	168.7	156.9	144.3	137.3	124.1	117.1
22.5°	494.3	477.6	421.8	285.2	195.2	138.0	124.8	113.6	106.0	94.1	86.5
25°	566.1	551.5	474.1	292.8	178.5	112.2	99.0	87.8	80.2	71.8	66.9
27.5°	633.1	610.0	529.9	304.0	165.2	94.1	80.9	71.8	66.2	62.1	59.3
30°	683.2	664.4	578.7	311.6	145.7	78.8	70.4	64.8	62.1	60.0	58.6
32.5°	729.3	707.7	613.5	316.5	133.9	66.9	59.3	55.1	52.3	49.5	48.8
35°	778.1	757.2	654.7	315.8	126.2	61.4	53.7	48.8	46.0	45.3	43.9
37.5°	845.7	817.1	702.1	315.8	123.4	59.3	50.2	45.3	43.2	41.8	41.1
40°	911.2	879.2	754.4	317.9	120.6	57.9	50.2	45.3	41.8	40.4	39.0
42.5°	972.6	937.0	801.8	321.4	119.2	53.7	47.4	44.6	43.2	40.4	38.3
45°	1019.3	991.4	838.7	328.4	119.2	50.9	44.6	42.5	41.8	41.8	41.1
47.5°	1064.6	1033.2	881.3	341.6	121.3	48.8	42.5	39.7	39.7	39.7	40.4
50°	1123.2	1086.2	939.8	368.8	121.3	48.1	40.4	37.6	37.0	38.3	38.3
52.5°	1202.7	1176.2	1025.6	407.9	119.9	47.4	39.7	35.6	34.9	35.6	37.0
55°	1314.9	1284.9	1129.5	456.0	118.5	46.0	38.3	34.9	33.5	32.8	33.5
57.5°	1411.8	1386.0	1225.0	494.3	115.0	42.5	37.0	34.2	32.1	31.4	30.7
60°	1454.3	1432.7	1286.3	520.1	108.8	39.0	34.9	32.8	30.7	30.0	29.3
62.5°	1461.3	1434.1	1287.0	525.7	101.8	35.6	32.8	30.7	29.3	28.6	27.9
65°	1434.1	1403.5	1236.1	491.5	96.2	35.6	31.4	29.3	27.2	26.5	25.8
67.5°	1372.8	1325.4	1107.1	416.9	91.3	36.3	30.7	27.2	25.8	25.1	24.4
70°	1225.0	1172.0	934.9	331.2	89.2	37.0	30.7	25.8	23.7	23.0	23.0
72.5°	981.6	921.0	729.3	249.6	85.8	37.6	30.0	24.4	22.3	20.9	20.9
75°	664.4	611.4	494.3	168.7	71.1	32.8	27.2	22.3	19.5	18.1	17.4
77.5°	370.2	352.8	314.4	89.2	45.3	24.4	20.9	18.1	16.0	15.3	14.6
80°	217.5	208.5	185.5	49.5	27.9	13.9	12.5	11.9	10.5	10.5	10.5
82.5°	133.2	124.1	115.0	22.3	13.2	7.0	7.0	5.6	5.6	4.9	4.9
85°	36.3	33.5	46.7	4.9	1.4	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	5.2	6.5	7.8	9.0	10.0
100°	8.0	8.0	8.0	10.0	14.0	22.0	24.0	26.0	28.0	30.0	30.5
102.5°	28.0	28.0	28.0	32.0	38.0	45.0	46.2	47.5	48.8	50.0	50.2
105°	54.0	54.0	54.0	56.0	61.0	66.0	67.0	68.0	69.0	70.0	70.2
107.5°	78.0	77.8	77.0	80.0	84.0	88.0	88.8	89.5	90.2	91.0	91.5
110°	101.0	101.2	102.0	103.0	106.0	110.0	110.5	111.0	111.5	112.0	112.5



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CATALOG NUMBER: ISC-AF-350-LED-E1-SLR-7030-ULG

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
112.5°	124.0	124.0	124.0	126.0	129.0	132.0	132.5	133.0	133.5	134.0	134.5
115°	146.0	146.2	147.0	149.0	151.0	154.0	154.5	155.0	155.5	156.0	156.5
117.5°	169.0	169.2	170.0	172.0	174.0	177.0	177.5	178.0	178.5	179.0	179.2
120°	193.0	193.4	195.0	196.0	198.0	201.0	201.2	201.5	201.8	202.0	202.5
122.5°	219.0	219.2	220.0	221.0	223.0	226.0	226.2	226.5	226.8	227.0	227.2
125°	244.0	244.4	246.0	247.0	248.0	251.0	251.2	251.5	251.8	252.0	252.2
127.5°	267.0	267.4	269.0	270.0	272.0	274.0	274.5	275.0	275.5	276.0	276.5
130°	290.0	290.4	292.0	293.0	294.0	298.0	298.2	298.5	298.8	299.0	299.5
132.5°	313.0	313.2	314.0	317.0	318.0	321.0	321.2	321.5	321.8	322.0	322.8
135°	336.0	336.2	337.0	339.0	341.0	345.0	345.0	345.0	345.0	345.0	345.8
137.5°	359.0	359.2	360.0	363.0	364.0	367.0	367.0	367.0	367.0	367.0	367.5
140°	382.0	382.2	383.0	385.0	386.0	388.0	388.2	388.5	388.8	389.0	389.2
142.5°	404.0	404.4	406.0	408.0	407.0	410.0	410.0	410.0	410.0	410.0	410.5
145°	425.0	425.2	426.0	428.0	428.0	431.0	431.2	431.5	431.8	432.0	432.5
147.5°	444.0	444.0	444.0	447.0	448.0	452.0	452.2	452.5	452.8	453.0	453.2
150°	461.0	461.2	462.0	464.0	465.0	469.0	469.2	469.5	469.8	470.0	470.2
152.5°	479.0	479.2	480.0	483.0	482.0	485.0	485.2	485.5	485.8	486.0	486.2
155°	499.0	499.2	500.0	502.0	501.0	503.0	503.0	503.0	503.0	503.0	503.2
157.5°	513.0	513.4	515.0	517.0	516.0	519.0	519.0	519.0	519.0	519.0	519.0
160°	525.0	525.4	527.0	529.0	529.0	532.0	532.0	532.0	532.0	532.0	532.0
162.5°	535.0	535.2	536.0	539.0	538.0	541.0	541.0	541.0	541.0	541.0	541.2
165°	546.0	546.2	547.0	549.0	548.0	552.0	552.0	552.0	552.0	552.0	552.2
167.5°	555.0	555.2	556.0	559.0	558.0	561.0	560.8	560.5	560.2	560.0	560.0
170°	562.0	562.2	563.0	566.0	565.0	567.0	566.8	566.5	566.2	566.0	565.8
172.5°	565.0	565.2	566.0	569.0	567.0	569.0	568.8	568.5	568.2	568.0	568.2
175°	567.0	567.4	569.0	570.0	569.0	572.0	572.0	572.0	572.0	572.0	572.2
177.5°	572.0	572.2	573.0	575.0	574.0	578.0	577.8	577.5	577.2	577.0	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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CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
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°	435.0	433.7	433.7	423.2	423.2	417.6	416.2	416.2	418.3	416.9	408.6
5°	350.0	345.8	343.0	330.5	327.0	320.7	317.9	317.2	319.3	315.8	304.7
7.5°	263.5	260.1	255.9	246.1	241.9	241.2	232.9	230.8	229.4	226.6	219.6
10°	230.1	225.2	221.7	214.7	209.9	206.4	199.4	195.9	193.1	188.9	186.8
12.5°	207.1	202.2	197.3	188.2	182.0	177.8	173.6	166.6	163.8	159.0	156.2
15°	178.5	172.9	167.3	157.6	149.2	145.0	136.6	132.5	129.7	124.1	121.3
17.5°	143.6	136.0	129.7	120.6	116.4	109.5	104.6	97.6	92.0	89.9	87.8
20°	108.1	101.1	95.5	87.8	83.7	78.1	75.3	70.4	67.6	66.2	64.8
22.5°	79.5	73.9	70.4	66.2	64.1	62.1	60.7	59.3	57.9	57.2	57.2
25°	62.7	60.7	59.3	57.9	57.2	56.5	55.1	54.4	53.7	53.0	53.0
27.5°	57.2	55.8	55.1	54.4	53.7	52.3	52.3	50.9	50.2	50.2	49.5
30°	57.9	57.9	57.9	56.5	55.8	54.4	53.7	51.6	50.2	48.8	48.1
32.5°	47.4	47.4	46.7	45.3	44.6	43.9	43.9	42.5	41.8	41.8	43.2
35°	43.2	42.5	41.8	40.4	39.7	38.3	37.6	37.0	36.3	35.6	35.6
37.5°	41.1	40.4	39.7	38.3	37.6	37.0	36.3	34.9	34.2	34.2	33.5
40°	39.0	39.0	39.0	37.6	37.0	35.6	34.9	34.2	33.5	32.8	32.8
42.5°	37.6	37.6	37.6	37.0	36.3	35.6	34.2	33.5	32.8	32.1	31.4
45°	38.3	37.6	37.6	37.0	36.3	34.9	34.2	32.8	32.1	31.4	30.7
47.5°	41.1	40.4	39.0	37.6	36.3	34.9	33.5	32.1	31.4	30.7	30.0
50°	39.0	41.8	42.5	40.4	37.0	34.9	33.5	32.1	30.7	30.0	29.3
52.5°	38.3	39.0	41.8	41.8	38.3	35.6	33.5	32.1	30.7	29.3	28.6
55°	34.9	37.0	37.6	38.3	37.6	34.9	32.8	30.7	30.0	28.6	27.2
57.5°	30.7	32.1	32.8	34.2	34.9	34.2	31.4	29.3	28.6	27.2	25.8
60°	28.6	28.6	28.6	29.3	32.8	35.6	32.8	28.6	26.5	25.8	24.4
62.5°	26.5	26.5	25.8	26.5	27.2	30.7	30.0	27.2	25.8	25.1	23.7
65°	25.8	25.1	24.4	24.4	24.4	24.4	24.4	24.4	23.7	23.7	23.0
67.5°	23.7	23.0	23.0	22.3	22.3	22.3	22.3	22.3	21.6	21.6	20.9
70°	22.3	21.6	20.9	20.9	20.9	20.2	20.2	20.2	19.5	19.5	19.5
72.5°	20.2	19.5	19.5	19.5	18.8	18.8	18.8	18.1	18.1	17.4	17.4
75°	17.4	17.4	16.7	16.7	16.7	16.0	16.0	16.0	16.0	15.3	15.3
77.5°	14.6	13.9	14.6	13.9	13.9	13.9	13.9	13.9	13.2	13.2	12.5
80°	9.8	9.8	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	9.8
82.5°	5.6	4.9	5.6	5.6	5.6	6.3	6.3	7.0	6.3	6.3	5.6
85°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4	1.4	1.4	1.4
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°	11.0	12.0	13.0	11.5	10.0	8.5	7.0	6.5	6.0	5.5	5.0
100°	31.0	31.5	32.0	31.5	31.0	30.5	30.0	29.2	28.5	27.8	27.0
102.5°	50.5	50.8	51.0	50.8	50.5	50.2	50.0	49.5	49.0	48.5	48.0
105°	70.5	70.8	71.0	71.0	71.0	71.0	71.0	70.5	70.0	69.5	69.0
107.5°	92.0	92.5	93.0	92.8	92.5	92.2	92.0	91.8	91.5	91.2	91.0
110°	113.0	113.5	114.0	114.0	114.0	114.0	114.0	113.8	113.5	113.2	113.0



REPORT NUMBER: P228654

CATALOG NUMBER: ISC-AF-350-LED-E1-SLR-7030-ULG

CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
112.5°	135.0	135.5	136.0	136.0	136.0	136.0	136.0	135.8	135.5	135.2	135.0
115°	157.0	157.5	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0
117.5°	179.5	179.8	180.0	180.2	180.5	180.8	181.0	180.8	180.5	180.2	180.0
120°	203.0	203.5	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0
122.5°	227.5	227.8	228.0	228.0	228.0	228.0	228.0	228.2	228.5	228.8	229.0
125°	252.5	252.8	253.0	253.2	253.5	253.8	254.0	254.0	254.0	254.0	254.0
127.5°	277.0	277.5	278.0	277.8	277.5	277.2	277.0	277.2	277.5	277.8	278.0
130°	300.0	300.5	301.0	301.0	301.0	301.0	301.0	301.2	301.5	301.8	302.0
132.5°	323.5	324.2	325.0	325.0	325.0	325.0	325.0	325.2	325.5	325.8	326.0
135°	346.5	347.2	348.0	348.0	348.0	348.0	348.0	348.2	348.5	348.8	349.0
137.5°	368.0	368.5	369.0	369.0	369.0	369.0	369.0	369.2	369.5	369.8	370.0
140°	389.5	389.8	390.0	390.0	390.0	390.0	390.0	390.5	391.0	391.5	392.0
142.5°	411.0	411.5	412.0	412.0	412.0	412.0	412.0	412.2	412.5	412.8	413.0
145°	433.0	433.5	434.0	433.8	433.5	433.2	433.0	433.2	433.5	433.8	434.0
147.5°	453.5	453.8	454.0	453.5	453.0	452.5	452.0	452.2	452.5	452.8	453.0
150°	470.5	470.8	471.0	470.5	470.0	469.5	469.0	469.0	469.0	469.0	469.0
152.5°	486.5	486.8	487.0	486.8	486.5	486.2	486.0	486.0	486.0	486.0	486.0
155°	503.5	503.8	504.0	503.8	503.5	503.2	503.0	503.2	503.5	503.8	504.0
157.5°	519.0	519.0	519.0	518.5	518.0	517.5	517.0	517.2	517.5	517.8	518.0
160°	532.0	532.0	532.0	531.5	531.0	530.5	530.0	530.0	530.0	530.0	530.0
162.5°	541.5	541.8	542.0	541.5	541.0	540.5	540.0	539.5	539.0	538.5	538.0
165°	552.5	552.8	553.0	552.2	551.5	550.8	550.0	549.5	549.0	548.5	548.0
167.5°	560.0	560.0	560.0	559.5	559.0	558.5	558.0	558.2	558.5	558.8	559.0
170°	565.5	565.2	565.0	564.8	564.5	564.2	564.0	564.5	565.0	565.5	566.0
172.5°	568.5	568.8	569.0	568.5	568.0	567.5	567.0	567.2	567.5	567.8	568.0
175°	572.5	572.8	573.0	572.2	571.5	570.8	570.0	569.5	569.0	568.5	568.0
177.5°	577.0	577.0	577.0	576.2	575.5	574.8	574.0	574.0	574.0	574.0	574.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



REPORT NUMBER: P228654

CATALOG NUMBER: ISC-AF-350-LED-E1-SLR-7030-ULG

CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
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°	412.7	412.0	405.1	406.5	404.4	400.2	400.9	401.6	403.0	400.2	398.8
5°	310.3	310.9	301.9	304.7	302.6	301.9	304.0	307.5	309.6	308.9	306.8
7.5°	220.3	221.0	213.3	212.6	210.6	209.9	212.6	216.1	218.2	217.5	218.2
10°	182.0	179.9	172.9	168.0	163.1	159.0	158.3	158.3	158.3	156.9	155.5
12.5°	150.6	148.5	140.1	136.0	131.8	126.2	125.5	124.8	122.7	120.6	117.8
15°	117.1	115.0	108.1	105.3	101.8	99.7	99.0	99.0	97.6	96.2	94.8
17.5°	85.1	83.7	79.5	76.7	76.0	76.7	77.4	78.8	79.5	80.2	80.2
20°	64.1	63.4	62.1	62.1	62.7	64.8	65.5	67.6	68.3	69.7	71.1
22.5°	56.5	56.5	55.8	55.8	57.2	59.3	60.7	61.4	62.1	62.7	62.7
25°	52.3	52.3	51.6	53.0	55.1	55.1	55.1	55.1	53.7	53.0	53.0
27.5°	49.5	49.5	49.5	50.2	49.5	48.8	48.8	48.8	48.1	48.1	47.4
30°	47.4	47.4	47.4	46.7	46.7	46.0	46.0	45.3	45.3	44.6	44.6
32.5°	43.9	42.5	43.9	42.5	42.5	41.8	42.5	42.5	41.1	41.1	41.1
35°	34.9	34.2	34.2	34.2	33.5	34.2	35.6	35.6	35.6	35.6	35.6
37.5°	32.8	32.8	32.1	31.4	31.4	30.7	31.4	30.7	30.7	30.7	31.4
40°	32.1	31.4	30.7	30.7	30.0	29.3	29.3	29.3	29.3	29.3	29.3
42.5°	30.7	30.7	29.3	28.6	28.6	27.9	27.9	27.9	27.9	27.9	27.9
45°	30.0	29.3	28.6	27.9	27.2	27.2	27.2	27.2	27.2	27.2	26.5
47.5°	29.3	28.6	27.9	27.2	26.5	25.8	25.8	25.8	25.8	25.8	25.8
50°	28.6	27.9	26.5	26.5	25.8	25.1	25.1	25.1	25.1	25.1	25.1
52.5°	27.2	27.2	25.8	25.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4
55°	25.8	25.8	24.4	23.7	23.0	23.0	23.0	23.0	23.7	23.7	23.7
57.5°	25.1	24.4	23.0	23.0	21.6	21.6	21.6	22.3	22.3	23.0	23.0
60°	23.7	23.0	22.3	21.6	21.6	20.9	20.9	20.9	20.9	21.6	21.6
62.5°	23.0	22.3	20.9	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
65°	21.6	21.6	20.2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
67.5°	20.2	20.2	18.8	18.1	18.1	18.1	18.8	18.1	18.1	18.1	18.1
70°	18.8	18.1	17.4	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
72.5°	16.7	16.7	16.0	15.3	15.3	15.3	15.3	15.3	15.3	15.3	16.0
75°	14.6	13.9	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
77.5°	12.5	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.9
80°	9.1	8.4	8.4	8.4	8.4	9.1	9.1	9.1	9.1	9.1	9.1
82.5°	5.6	4.9	4.9	4.9	5.6	6.3	6.3	6.3	6.3	7.0	7.0
85°	1.4	1.4	1.4	1.4	2.8	3.5	3.5	3.5	4.2	3.5	3.5
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°	4.8	4.5	4.0	4.0	4.0	4.5	4.8	5.0	5.5	6.0	6.5
100°	26.8	26.5	26.0	25.0	26.0	26.5	26.8	27.0	27.8	28.5	29.2
102.5°	48.2	48.5	49.0	48.0	49.0	48.5	48.2	48.0	48.5	49.0	49.5
105°	69.5	70.0	71.0	69.0	71.0	70.0	69.5	69.0	69.5	70.0	70.5
107.5°	91.2	91.5	92.0	91.0	92.0	91.5	91.2	91.0	91.2	91.5	91.8
110°	113.2	113.5	114.0	113.0	114.0	113.5	113.2	113.0	113.2	113.5	113.8

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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°	135.5	136.0	137.0	135.0	137.0	136.0	135.5	135.0	135.2	135.5	135.8	0°
115°	158.5	159.0	160.0	159.0	160.0	159.0	158.5	158.0	158.0	158.0	158.0	2.5°
117.5°	180.5	181.0	182.0	180.0	182.0	181.0	180.5	180.0	180.2	180.5	180.8	5°
120°	204.5	205.0	206.0	204.0	206.0	205.0	204.5	204.0	204.0	204.0	204.0	7.5°
122.5°	230.0	231.0	233.0	232.0	233.0	231.0	230.0	229.0	228.8	228.5	228.2	10°
125°	254.8	255.5	257.0	256.0	257.0	255.5	254.8	254.0	254.0	254.0	254.0	12.5°
127.5°	278.8	279.5	281.0	278.0	281.0	279.5	278.8	278.0	277.8	277.5	277.2	15°
130°	302.8	303.5	305.0	303.0	305.0	303.5	302.8	302.0	301.8	301.5	301.2	17.5°
132.5°	326.8	327.5	329.0	327.0	329.0	327.5	326.8	326.0	325.8	325.5	325.2	20°
135°	349.5	350.0	351.0	350.0	351.0	350.0	349.5	349.0	348.8	348.5	348.2	22.5°
137.5°	371.0	372.0	374.0	372.0	374.0	372.0	371.0	370.0	369.8	369.5	369.2	25°
140°	393.0	394.0	396.0	394.0	396.0	394.0	393.0	392.0	391.5	391.0	390.5	27.5°
142.5°	413.8	414.5	416.0	415.0	416.0	414.5	413.8	413.0	412.8	412.5	412.2	30°
145°	434.8	435.5	437.0	435.0	437.0	435.5	434.8	434.0	433.8	433.5	433.2	32.5°
147.5°	453.8	454.5	456.0	453.0	456.0	454.5	453.8	453.0	452.8	452.5	452.2	35°
150°	470.0	471.0	473.0	470.0	473.0	471.0	470.0	469.0	469.0	469.0	469.0	37.5°
152.5°	486.8	487.5	489.0	486.0	489.0	487.5	486.8	486.0	486.0	486.0	486.0	40°
155°	504.8	505.5	507.0	505.0	507.0	505.5	504.8	504.0	503.8	503.5	503.2	42.5°
157.5°	519.2	520.5	523.0	520.0	523.0	520.5	519.2	518.0	517.8	517.5	517.2	45°
160°	530.8	531.5	533.0	531.0	533.0	531.5	530.8	530.0	530.0	530.0	530.0	47.5°
162.5°	538.5	539.0	540.0	537.0	540.0	539.0	538.5	538.0	538.5	539.0	539.5	50°
165°	548.5	549.0	550.0	548.0	550.0	549.0	548.5	548.0	548.5	549.0	549.5	52.5°
167.5°	560.0	561.0	563.0	561.0	563.0	561.0	560.0	559.0	558.8	558.5	558.2	55°
170°	567.2	568.5	571.0	569.0	571.0	568.5	567.2	566.0	565.5	565.0	564.5	57.5°
172.5°	568.8	569.5	571.0	568.0	571.0	569.5	568.8	568.0	567.8	567.5	567.2	60°
175°	568.8	569.5	571.0	568.0	571.0	569.5	568.8	568.0	568.5	569.0	569.5	62.5°
177.5°	574.8	575.5	577.0	574.0	577.0	575.5	574.8	574.0	574.0	574.0	574.0	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

115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°	115°	
487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	112.5°	136.0
397.4	405.8	405.8	400.2	403.0	400.2	399.5	404.4	407.2	416.2	421.8	115°	158.0
307.5	317.9	318.6	315.8	319.3	317.2	319.3	325.6	330.5	336.7	342.3	117.5°	181.0
219.6	229.4	231.5	229.4	235.7	235.0	236.3	243.3	247.5	251.0	251.7	120°	204.0
154.8	156.2	161.7	160.4	164.5	163.8	165.9	171.5	177.1	179.2	180.6	122.5°	228.0
116.4	115.0	117.1	114.3	116.4	116.4	117.1	120.6	127.6	130.4	137.3	125°	254.0
94.1	92.7	92.7	91.3	91.3	90.6	91.3	94.1	99.0	103.2	108.8	127.5°	277.0
80.2	80.2	80.2	79.5	78.8	78.8	79.5	80.9	83.7	86.5	89.2	130°	301.0
71.8	73.2	73.9	74.6	75.3	76.0	76.7	78.8	78.1	75.3	71.8	132.5°	325.0
62.7	62.7	63.4	63.4	62.7	62.7	62.7	62.7	62.7	64.8	66.9	135°	348.0
52.3	52.3	52.3	53.0	52.3	52.3	53.0	53.0	53.7	55.1	57.2	137.5°	369.0
47.4	47.4	47.4	47.4	47.4	47.4	47.4	48.1	48.8	50.9	52.3	140°	390.0
43.9	43.9	43.2	43.2	43.2	42.5	43.2	43.2	43.9	46.7	48.8	142.5°	412.0
40.4	39.7	39.7	39.7	39.0	39.0	39.0	40.4	41.1	42.5	44.6	145°	433.0
35.6	35.6	35.6	36.3	36.3	36.3	36.3	37.6	37.6	38.3	38.3	147.5°	452.0
32.1	32.1	32.8	33.5	33.5	34.2	34.2	34.9	35.6	34.9	34.2	150°	469.0
29.3	30.0	30.0	31.4	31.4	31.4	32.1	32.8	33.5	32.1	32.1	152.5°	486.0
27.9	27.9	27.9	28.6	28.6	28.6	29.3	30.0	30.7	30.7	30.7	155°	503.0
26.5	26.5	26.5	27.2	26.5	26.5	26.5	27.2	28.6	28.6	29.3	157.5°	517.0
25.8	25.8	25.8	25.1	25.1	25.1	25.1	25.8	26.5	27.9	28.6	160°	530.0
25.1	24.4	24.4	24.4	24.4	24.4	24.4	25.1	25.8	26.5	27.9	162.5°	540.0
23.7	23.7	23.7	23.7	23.7	23.7	23.7	24.4	25.1	25.8	26.5	165°	550.0
23.7	23.7	23.0	23.0	23.7	23.7	23.7	24.4	25.1	25.8	25.8	167.5°	558.0
23.0	22.3	22.3	23.0	23.0	23.0	23.0	23.7	24.4	25.1	25.1	170°	564.0
21.6	21.6	21.6	21.6	22.3	22.3	23.0	23.7	23.7	24.4	24.4	172.5°	567.0
20.2	20.9	20.9	20.9	21.6	21.6	22.3	23.0	23.7	24.4	23.7	175°	570.0
19.5	20.2	20.2	20.2	20.9	20.9	20.9	22.3	23.0	23.0	23.7	177.5°	574.0
18.8	18.8	18.8	19.5	19.5	20.2	20.2	21.6	21.6	22.3	23.0	180°	576.0
17.4	17.4	17.4	18.1	18.1	18.8	19.5	20.2	20.2	20.9	21.6		
16.0	16.0	16.0	16.7	16.7	17.4	18.1	19.5	18.8	19.5	19.5		
13.9	13.9	14.6	14.6	15.3	16.0	16.7	16.7	16.7	16.7	16.7		
11.9	11.9	12.5	12.5	13.2	13.9	13.9	13.9	14.6	13.9	13.9		
9.8	9.8	10.5	10.5	10.5	10.5	11.2	10.5	11.2	10.5	11.2		
7.0	7.0	7.7	7.0	7.7	7.0	7.0	6.3	7.7	7.0	7.0		
2.8	3.5	3.5	3.5	3.5	2.8	2.8	2.1	2.8	2.8	2.1		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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		
7.0	8.5	10.0	11.5	13.0	12.0	11.0	9.0	4.0	3.0	2.0		
30.0	30.5	31.0	31.5	32.0	31.5	31.0	30.0	22.0	14.0	10.0		
50.0	50.2	50.5	50.8	51.0	50.8	50.5	50.0	45.0	38.0	32.0		
71.0	71.0	71.0	71.0	71.0	70.8	70.5	70.0	66.0	61.0	56.0		
92.0	92.2	92.5	92.8	93.0	92.5	92.0	91.0	88.0	84.0	80.0		
114.0	114.0	114.0	114.0	114.0	113.5	113.0	112.0	110.0	106.0	103.0		

'228654
 ISC-AF-350-LED-E1-SLR-7030-ULG

REPORT NUMBER: P228654
 CATALOG NUMBER: ISC-AF-35

TION (continued):

CANDELA DISTRIBUTION (con

117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°		175°	180°
136.0	136.0	136.0	136.0	135.5	135.0	134.0	132.0	129.0	126.0	0°	487.3	487.3
158.0	158.0	158.0	158.0	157.5	157.0	156.0	154.0	151.0	149.0	2.5°	423.9	423.2
180.8	180.5	180.2	180.0	179.8	179.5	179.0	177.0	174.0	172.0	5°	343.0	341.6
204.0	204.0	204.0	204.0	203.5	203.0	202.0	201.0	198.0	196.0	7.5°	245.4	242.6
228.0	228.0	228.0	228.0	227.8	227.5	227.0	226.0	223.0	221.0	10°	181.3	183.4
253.8	253.5	253.2	253.0	252.8	252.5	252.0	251.0	248.0	247.0	12.5°	145.0	153.4
277.2	277.5	277.8	278.0	277.5	277.0	276.0	274.0	272.0	270.0	15°	116.4	121.3
301.0	301.0	301.0	301.0	300.5	300.0	299.0	298.0	294.0	293.0	17.5°	89.9	92.0
325.0	325.0	325.0	325.0	324.2	323.5	322.0	321.0	318.0	317.0	20°	71.8	71.8
348.0	348.0	348.0	348.0	347.2	346.5	345.0	345.0	341.0	339.0	22.5°	62.7	62.1
369.0	369.0	369.0	369.0	368.5	368.0	367.0	367.0	364.0	363.0	25°	59.3	58.6
390.0	390.0	390.0	390.0	389.8	389.5	389.0	388.0	386.0	385.0	27.5°	53.7	54.4
412.0	412.0	412.0	412.0	411.5	411.0	410.0	410.0	407.0	408.0	30°	50.2	50.9
433.2	433.5	433.8	434.0	433.5	433.0	432.0	431.0	428.0	428.0	32.5°	46.0	46.7
452.5	453.0	453.5	454.0	453.8	453.5	453.0	452.0	448.0	447.0	35°	37.6	37.6
469.5	470.0	470.5	471.0	470.8	470.5	470.0	469.0	465.0	464.0	37.5°	34.9	34.9
486.2	486.5	486.8	487.0	486.8	486.5	486.0	485.0	482.0	483.0	40°	32.8	33.5
503.2	503.5	503.8	504.0	503.8	503.5	503.0	503.0	501.0	502.0	42.5°	31.4	31.4
517.5	518.0	518.5	519.0	519.0	519.0	519.0	519.0	516.0	517.0	45°	30.0	30.7
530.5	531.0	531.5	532.0	532.0	532.0	532.0	532.0	529.0	529.0	47.5°	29.3	29.3
540.5	541.0	541.5	542.0	541.8	541.5	541.0	541.0	538.0	539.0	50°	27.9	28.6
550.8	551.5	552.2	553.0	552.8	552.5	552.0	552.0	548.0	549.0	52.5°	27.2	27.9
558.5	559.0	559.5	560.0	560.0	560.0	560.0	561.0	558.0	559.0	55°	26.5	26.5
564.2	564.5	564.8	565.0	565.2	565.5	566.0	567.0	565.0	566.0	57.5°	25.1	25.8
567.5	568.0	568.5	569.0	568.8	568.5	568.0	569.0	567.0	569.0	60°	25.1	25.1
570.8	571.5	572.2	573.0	572.8	572.5	572.0	572.0	569.0	570.0	62.5°	24.4	24.4
574.8	575.5	576.2	577.0	577.0	577.0	577.0	578.0	574.0	575.0	65°	23.7	23.7
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	22.3	22.3
										70°	20.9	20.9
										72.5°	19.5	18.8
										75°	16.7	16.7
										77.5°	13.9	13.9
										80°	10.5	9.8
										82.5°	6.3	5.6
										85°	2.1	2.1
										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°	8.0	8.0
										102.5°	28.0	28.0
										105°	54.0	54.0
										107.5°	77.0	78.0
										110°	102.0	101.0



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CATALOG NUMBER: ISC-AF-350-LED-E1-S

0-LED-E1-SLR-7030-ULG

tinued):

CANDELA DISTRIBUTION (continued):

185°	195°	205°	215°	225°	230°	235°	240°	245°		175°	180°	185°
487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	112.5°	124.0	124.0	124.0
433.7	441.3	446.2	465.0	473.4	483.9	488.7	495.7	502.7	115°	147.0	146.0	147.0
354.2	363.9	372.3	399.5	415.5	430.2	442.0	453.2	469.2	117.5°	170.0	169.0	170.0
251.0	259.4	270.5	299.8	327.7	347.2	364.6	383.5	404.4	120°	195.0	193.0	195.0
191.7	204.3	218.9	241.2	263.5	277.5	292.8	313.7	338.8	122.5°	220.0	219.0	220.0
160.4	175.7	193.1	218.2	241.9	253.1	264.2	274.7	287.9	125°	246.0	244.0	246.0
126.9	141.5	162.4	191.7	219.6	232.2	245.4	258.0	269.8	127.5°	269.0	267.0	269.0
94.8	105.3	124.1	159.0	189.6	205.7	221.0	238.4	254.5	130°	292.0	290.0	292.0
72.5	77.4	90.6	117.8	155.5	175.7	195.2	217.5	240.5	132.5°	314.0	313.0	314.0
62.7	64.8	71.1	87.1	121.3	145.0	170.1	198.0	226.6	135°	337.0	336.0	337.0
57.9	59.3	62.7	70.4	94.8	119.9	145.7	179.2	214.0	137.5°	360.0	359.0	360.0
55.1	56.5	59.3	63.4	78.8	97.6	126.2	163.1	205.0	140°	383.0	382.0	383.0
51.6	53.0	57.9	62.7	71.8	83.7	108.1	144.3	191.0	142.5°	406.0	404.0	406.0
47.4	48.1	49.5	55.1	61.4	71.1	92.0	127.6	176.4	145°	426.0	425.0	426.0
38.3	40.4	43.2	48.8	55.1	62.7	82.3	116.4	167.3	147.5°	444.0	444.0	444.0
35.6	37.6	40.4	45.3	50.9	57.9	78.1	112.2	159.0	150°	462.0	461.0	462.0
33.5	35.6	38.3	43.9	47.4	55.8	76.0	106.0	150.6	152.5°	480.0	479.0	480.0
32.1	34.2	37.6	41.8	46.7	54.4	70.4	100.4	145.7	155°	500.0	499.0	500.0
30.7	32.8	37.0	40.4	47.4	51.6	66.9	96.2	141.5	157.5°	515.0	513.0	515.0
30.0	32.1	36.3	41.1	46.0	48.8	63.4	92.7	138.0	160°	527.0	525.0	527.0
29.3	31.4	35.6	45.3	43.9	46.7	60.7	89.9	136.0	162.5°	536.0	535.0	536.0
28.6	30.7	35.6	46.0	42.5	43.9	58.6	87.1	134.6	165°	547.0	546.0	547.0
27.2	30.0	35.6	42.5	39.7	42.5	54.4	83.0	131.1	167.5°	556.0	555.0	556.0
26.5	28.6	34.9	39.0	37.6	40.4	50.2	76.0	126.2	170°	563.0	562.0	563.0
25.8	27.9	34.9	34.9	35.6	38.3	45.3	67.6	117.8	172.5°	566.0	565.0	566.0
25.1	27.9	35.6	31.4	33.5	36.3	41.8	60.7	107.4	175°	569.0	567.0	569.0
24.4	26.5	30.7	30.0	32.1	34.2	40.4	55.8	98.3	177.5°	573.0	572.0	573.0
23.0	25.1	27.2	27.9	30.7	32.8	39.7	55.1	89.9	180°	576.0	576.0	576.0
20.9	23.0	24.4	26.5	28.6	31.4	39.7	54.4	83.7				
19.5	20.9	22.3	23.7	25.8	29.3	39.0	55.1	80.9				
16.7	18.1	19.5	20.9	23.0	27.2	37.0	51.6	72.5				
13.2	15.3	16.7	17.4	19.5	23.7	32.1	43.9	58.6				
9.8	11.9	12.5	13.9	15.3	18.1	25.1	32.1	43.2				
5.6	7.7	8.4	9.1	11.9	13.2	16.7	20.9	29.3				
2.1	3.5	4.2	4.9	7.0	7.7	10.5	13.2	15.3				
0.0	0.0	0.0	0.0	1.4	2.1	3.5	4.2	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				
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	9.0	11.0	13.0	10.0	7.0				
8.0	10.0	14.0	22.0	30.0	31.0	32.0	31.0	30.0				
28.0	32.0	38.0	45.0	50.0	50.5	51.0	50.5	50.0				
54.0	56.0	61.0	66.0	70.0	70.5	71.0	71.0	71.0				
77.0	80.0	84.0	88.0	91.0	92.0	93.0	92.5	92.0				
102.0	103.0	106.0	110.0	112.0	113.0	114.0	114.0	114.0				



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SLR-7030-ULG

CANDELA DISTRIBUTION (continued):

195°	205°	215°	225°	230°	235°	240°	245°		250°	255°	260°	265°
126.0	129.0	132.0	134.0	135.0	136.0	136.0	136.0	0°	487.3	487.3	487.3	487.3
149.0	151.0	154.0	156.0	157.0	158.0	158.0	158.0	2.5°	511.0	518.0	527.1	535.4
172.0	174.0	177.0	179.0	179.5	180.0	180.5	181.0	5°	481.8	495.0	514.5	530.6
196.0	198.0	201.0	202.0	203.0	204.0	204.0	204.0	7.5°	422.5	440.6	465.0	487.3
221.0	223.0	226.0	227.0	227.5	228.0	228.0	228.0	10°	360.4	385.5	411.3	439.9
247.0	248.0	251.0	252.0	252.5	253.0	253.5	254.0	12.5°	309.6	338.1	367.4	403.0
270.0	272.0	274.0	276.0	277.0	278.0	277.5	277.0	15°	287.9	313.0	347.2	386.2
293.0	294.0	298.0	299.0	300.0	301.0	301.0	301.0	17.5°	278.9	310.9	350.0	391.1
317.0	318.0	321.0	322.0	323.5	325.0	325.0	325.0	20°	269.1	313.0	365.3	415.5
339.0	341.0	345.0	345.0	346.5	348.0	348.0	348.0	22.5°	263.5	320.0	384.9	455.3
363.0	364.0	367.0	367.0	368.0	369.0	369.0	369.0	25°	262.1	336.0	418.3	511.7
385.0	386.0	388.0	389.0	389.5	390.0	390.0	390.0	27.5°	263.5	354.2	460.1	572.4
408.0	407.0	410.0	410.0	411.0	412.0	412.0	412.0	30°	257.3	373.0	502.0	625.4
428.0	428.0	431.0	432.0	433.0	434.0	433.5	433.0	32.5°	246.8	386.9	538.9	667.9
447.0	448.0	452.0	453.0	453.5	454.0	453.0	452.0	35°	235.0	393.2	565.4	707.7
464.0	465.0	469.0	470.0	470.5	471.0	470.0	469.0	37.5°	222.4	393.9	590.5	749.5
483.0	482.0	485.0	486.0	486.5	487.0	486.5	486.0	40°	215.4	391.1	616.3	801.1
502.0	501.0	503.0	503.0	503.5	504.0	503.5	503.0	42.5°	212.6	386.2	635.1	840.1
517.0	516.0	519.0	519.0	519.0	519.0	518.0	517.0	45°	212.6	381.4	652.6	869.4
529.0	529.0	532.0	532.0	532.0	532.0	531.0	530.0	47.5°	213.3	383.5	673.5	916.8
539.0	538.0	541.0	541.0	541.5	542.0	541.0	540.0	50°	216.8	407.2	709.0	969.1
549.0	548.0	552.0	552.0	552.5	553.0	551.5	550.0	52.5°	222.4	444.8	770.4	1031.1
559.0	558.0	561.0	560.0	560.0	560.0	559.0	558.0	55°	228.0	483.2	850.6	1135.0
566.0	565.0	567.0	566.0	565.5	565.0	564.5	564.0	57.5°	232.9	511.7	928.7	1238.2
569.0	567.0	569.0	568.0	568.5	569.0	568.0	567.0	60°	237.7	534.1	974.0	1284.2
570.0	569.0	572.0	572.0	572.5	573.0	571.5	570.0	62.5°	235.0	525.7	986.5	1261.2
575.0	574.0	578.0	577.0	577.0	577.0	575.5	574.0	65°	224.5	481.8	946.8	1181.7
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	195.9	405.1	824.8	1056.2
								70°	162.4	317.9	672.8	899.4
								72.5°	136.6	237.7	517.3	696.5
								75°	113.6	168.0	363.9	479.7
								77.5°	84.4	114.3	263.5	335.4
								80°	56.5	70.4	168.0	234.3
								82.5°	34.2	41.1	96.9	163.8
								85°	18.8	25.8	59.3	107.4
								87.5°	4.9	5.6	13.2	4.9
								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°	6.0	5.0	4.5	4.0
								100°	28.5	27.0	26.5	26.0
								102.5°	49.0	48.0	48.5	49.0
								105°	70.0	69.0	70.0	71.0
								107.5°	91.5	91.0	91.5	92.0
								110°	113.5	113.0	113.5	114.0

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JLG

CANDELA DISTRIBUTION (continued):

270°	275°	280°	285°	290°	295°	300°		250°	255°	260°	265°	270°
487.3	487.3	487.3	487.3	487.3	487.3	487.3	112.5°	135.5	135.0	136.0	137.0	135.0
541.7	547.3	554.3	554.3	562.6	565.4	571.0	115°	158.0	158.0	159.0	160.0	159.0
550.1	568.9	586.3	596.1	612.8	624.0	635.1	117.5°	180.5	180.0	181.0	182.0	180.0
515.9	546.6	575.2	601.7	629.6	653.3	670.7	120°	204.0	204.0	205.0	206.0	204.0
470.6	503.4	538.2	573.8	607.3	640.7	669.3	122.5°	228.5	229.0	231.0	233.0	232.0
438.5	473.4	514.5	545.2	580.1	613.5	641.4	125°	254.0	254.0	255.5	257.0	256.0
423.9	459.5	497.8	529.2	561.9	589.1	608.6	127.5°	277.5	278.0	279.5	281.0	278.0
431.6	474.8	509.0	535.4	559.8	572.4	575.2	130°	301.5	302.0	303.5	305.0	303.0
465.0	510.3	535.4	552.9	557.1	556.4	545.9	132.5°	325.5	326.0	327.5	329.0	327.0
517.3	570.3	587.7	584.2	566.8	544.5	527.1	135°	348.5	349.0	350.0	351.0	350.0
587.7	640.7	650.5	631.0	591.9	548.7	519.4	137.5°	369.5	370.0	372.0	374.0	372.0
661.6	716.0	712.5	683.2	627.5	566.8	520.1	140°	391.0	392.0	394.0	396.0	394.0
713.9	759.2	745.3	701.4	639.3	578.7	529.2	142.5°	412.5	413.0	414.5	416.0	415.0
768.3	802.5	777.4	730.0	665.8	603.8	552.9	145°	433.5	434.0	435.5	437.0	435.0
826.9	845.0	804.6	756.5	697.9	635.1	580.1	147.5°	452.5	453.0	454.5	456.0	453.0
883.3	891.0	832.4	780.9	723.7	667.2	617.0	150°	469.0	469.0	471.0	473.0	470.0
944.0	933.5	861.7	801.1	744.6	701.4	660.2	152.5°	486.0	486.0	487.5	489.0	486.0
996.3	973.3	888.9	821.3	770.4	734.1	705.6	155°	503.5	504.0	505.5	507.0	505.0
1035.3	1005.4	914.7	840.8	795.5	773.2	759.2	157.5°	517.5	518.0	520.5	523.0	520.0
1068.8	1036.0	934.9	869.4	830.4	822.0	826.9	160°	530.0	530.0	531.5	533.0	531.0
1110.6	1068.8	962.1	901.5	877.8	886.1	914.0	162.5°	539.0	538.0	539.0	540.0	537.0
1175.5	1121.1	1007.4	947.5	936.3	966.3	1019.3	165°	549.0	548.0	549.0	550.0	548.0
1280.0	1215.9	1087.6	1027.7	1014.4	1060.4	1136.4	167.5°	558.5	559.0	561.0	563.0	561.0
1370.7	1321.9	1193.6	1121.1	1115.5	1165.0	1248.0	170°	565.0	566.0	568.5	571.0	569.0
1411.8	1406.9	1303.1	1236.1	1227.8	1273.8	1352.6	172.5°	567.5	568.0	569.5	571.0	568.0
1408.3	1448.8	1392.3	1344.9	1316.3	1354.6	1431.3	175°	569.0	568.0	569.5	571.0	568.0
1357.4	1423.7	1428.5	1417.4	1365.8	1368.6	1423.0	177.5°	574.0	574.0	575.5	577.0	574.0
1257.7	1336.5	1418.8	1415.3	1349.8	1291.9	1303.1	180°	576.0	576.0	576.0	576.0	576.0
1116.2	1183.8	1314.9	1341.4	1248.0	1139.9	1089.0						
894.5	973.3	1167.8	1204.8	1077.2	925.2	846.4						
617.0	720.9	1019.3	1022.8	874.3	727.9	642.8						
423.9	513.1	824.1	833.1	693.7	552.2	479.0						
285.2	343.7	604.5	566.1	458.1	382.8	363.9						
179.9	214.0	380.0	354.9	301.9	276.1	283.1						
83.7	117.1	207.8	202.9	190.3	166.6	145.0						
2.1	6.3	40.4	26.5	26.5	15.3	5.6						
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						
1.0	1.0	1.0	1.0	1.0	1.0	1.0						
4.0	4.0	4.5	5.0	6.0	7.0	10.0						
25.0	26.0	26.5	27.0	28.5	30.0	31.0						
48.0	49.0	48.5	48.0	49.0	50.0	50.5						
69.0	71.0	70.0	69.0	70.0	71.0	71.0						
91.0	92.0	91.5	91.0	91.5	92.0	92.5						
113.0	114.0	113.5	113.0	113.5	114.0	114.0						



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CANDELA DISTRIBUTION (continued):

275°	280°	285°	290°	295°	300°		305°	310°	315°	325°	335°	340°
137.0	136.0	135.0	135.5	136.0	136.0	0°	487.3	487.3	487.3	487.3	487.3	487.3
160.0	159.0	158.0	158.0	158.0	158.0	2.5°	566.1	568.2	567.5	562.6	550.1	545.2
182.0	181.0	180.0	180.5	181.0	180.5	5°	634.4	637.9	633.7	621.9	589.8	574.5
206.0	205.0	204.0	204.0	204.0	204.0	7.5°	682.6	685.3	678.4	651.2	594.0	568.2
233.0	231.0	229.0	228.5	228.0	228.0	10°	691.6	697.9	690.2	651.2	584.9	552.9
257.0	255.5	254.0	254.0	254.0	253.5	12.5°	665.8	679.1	673.5	644.9	580.8	546.6
281.0	279.5	278.0	277.5	277.0	277.5	15°	626.1	627.5	631.0	630.3	573.1	539.6
305.0	303.5	302.0	301.5	301.0	301.0	17.5°	582.2	580.8	584.9	598.2	571.0	544.5
329.0	327.5	326.0	325.5	325.0	325.0	20°	542.4	540.3	544.5	557.8	562.6	556.4
351.0	350.0	349.0	348.5	348.0	348.0	22.5°	517.3	510.3	509.6	529.2	566.8	583.6
374.0	372.0	370.0	369.5	369.0	369.0	25°	503.4	495.7	499.2	521.5	584.2	615.6
396.0	394.0	392.0	391.0	390.0	390.0	27.5°	499.2	490.8	495.7	520.8	602.4	654.7
416.0	414.5	413.0	412.5	412.0	412.0	30°	502.0	493.6	495.7	525.7	611.4	663.7
437.0	435.5	434.0	433.5	433.0	433.5	32.5°	518.0	503.4	502.0	540.3	628.2	683.9
456.0	454.5	453.0	452.5	452.0	453.0	35°	539.6	518.7	515.9	564.0	649.8	709.7
473.0	471.0	469.0	469.0	469.0	470.0	37.5°	575.9	550.1	545.9	603.8	679.1	731.4
489.0	487.5	486.0	486.0	486.0	486.5	40°	624.7	598.9	598.9	654.7	718.8	761.3
507.0	505.5	504.0	503.5	503.0	503.5	42.5°	679.8	663.0	665.8	716.0	764.1	799.0
523.0	520.5	518.0	517.5	517.0	518.0	45°	753.0	743.9	757.8	793.4	810.1	833.8
533.0	531.5	530.0	530.0	530.0	531.0	47.5°	838.7	846.4	865.9	877.1	856.9	869.4
540.0	539.0	538.0	539.0	540.0	541.0	50°	946.1	966.3	985.1	982.3	914.7	910.5
550.0	549.0	548.0	549.0	550.0	551.5	52.5°	1069.5	1096.0	1109.2	1093.9	979.6	955.2
563.0	561.0	559.0	558.5	558.0	559.0	55°	1195.0	1227.1	1222.9	1205.4	1050.0	1017.2
571.0	568.5	566.0	565.0	564.0	564.5	57.5°	1308.6	1333.7	1344.9	1307.2	1135.7	1092.5
571.0	569.5	568.0	567.5	567.0	568.0	60°	1398.6	1425.8	1425.8	1388.8	1229.2	1179.0
571.0	569.5	568.0	569.0	570.0	571.5	62.5°	1464.1	1485.7	1478.1	1442.5	1309.3	1271.0
577.0	575.5	574.0	574.0	574.0	575.5	65°	1459.2	1461.3	1453.0	1439.7	1357.4	1353.3
576.0	576.0	576.0	576.0	576.0	576.0	67.5°	1321.9	1322.6	1339.3	1333.7	1321.2	1372.8
						70°	1083.4	1094.6	1123.2	1114.8	1179.0	1284.9
						72.5°	824.8	831.8	865.9	858.2	945.4	1061.8
						75°	600.3	599.6	614.2	603.1	713.2	842.9
						77.5°	462.2	449.7	446.9	448.3	505.5	612.8
						80°	373.0	373.0	368.8	353.5	309.6	358.4
						82.5°	297.7	285.8	264.9	235.0	198.7	211.9
						85°	148.5	144.3	126.2	104.6	87.1	115.7
						87.5°	0.7	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°	13.0	11.0	9.0	4.0	3.0	2.5
						100°	32.0	31.0	30.0	22.0	14.0	12.0
						102.5°	51.0	50.5	50.0	45.0	38.0	35.0
						105°	71.0	70.5	70.0	66.0	61.0	58.5
						107.5°	93.0	92.0	91.0	88.0	84.0	82.0
						110°	114.0	113.0	112.0	110.0	106.0	104.5

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CANDELA DISTRIBUTION (continued):

342.5°	345°	347.5°	350°	352.5°		305°	310°	315°	325°	335°	340°	342.5°
487.3	487.3	487.3	487.3	487.3	112.5°	136.0	135.0	134.0	132.0	129.0	127.5	126.8
543.1	537.5	531.3	531.3	525.7	115°	158.0	157.0	156.0	154.0	151.0	150.0	149.5
565.4	554.3	545.2	536.8	528.5	117.5°	180.0	179.5	179.0	177.0	174.0	173.0	172.5
554.3	541.0	529.9	515.2	502.0	120°	204.0	203.0	202.0	201.0	198.0	197.0	196.5
537.5	522.9	506.9	491.5	472.7	122.5°	228.0	227.5	227.0	226.0	223.0	222.0	221.5
528.5	511.0	491.5	475.5	453.9	125°	253.0	252.5	252.0	251.0	248.0	247.5	247.2
521.5	503.4	485.9	470.6	451.8	127.5°	278.0	277.0	276.0	274.0	272.0	271.0	270.5
532.7	515.2	502.7	485.2	470.6	130°	301.0	300.0	299.0	298.0	294.0	293.5	293.2
551.5	541.0	531.3	520.1	508.3	132.5°	325.0	323.5	322.0	321.0	318.0	317.5	317.2
587.0	585.6	584.9	576.6	568.2	135°	348.0	346.5	345.0	345.0	341.0	340.0	339.5
631.7	637.2	644.9	644.9	644.9	137.5°	369.0	368.0	367.0	367.0	364.0	363.5	363.2
677.7	691.6	706.3	712.5	716.7	140°	390.0	389.5	389.0	388.0	386.0	385.5	385.2
690.9	711.1	734.1	749.5	759.9	142.5°	412.0	411.0	410.0	410.0	407.0	407.5	407.8
712.5	735.5	761.3	778.8	797.6	145°	434.0	433.0	432.0	431.0	428.0	428.0	428.0
738.3	758.5	785.0	808.7	835.9	147.5°	454.0	453.5	453.0	452.0	448.0	447.5	447.2
759.9	786.4	815.0	845.7	880.6	150°	471.0	470.5	470.0	469.0	465.0	464.5	464.2
792.7	820.6	852.0	893.1	935.6	152.5°	487.0	486.5	486.0	485.0	482.0	482.5	482.8
829.0	858.9	891.7	932.8	982.3	155°	504.0	503.5	503.0	503.0	501.0	501.5	501.8
860.3	886.8	922.4	964.9	1021.4	157.5°	519.0	519.0	519.0	519.0	516.0	516.5	516.8
890.3	914.7	956.5	999.8	1055.6	160°	532.0	532.0	532.0	532.0	529.0	529.0	529.0
930.1	948.9	990.7	1040.2	1099.5	162.5°	542.0	541.5	541.0	541.0	538.0	538.5	538.8
971.2	997.0	1043.0	1099.5	1165.7	165°	553.0	552.5	552.0	552.0	548.0	548.5	548.8
1027.0	1057.6	1114.1	1178.3	1261.9	167.5°	560.0	560.0	560.0	561.0	558.0	558.5	558.8
1103.7	1135.7	1195.7	1267.5	1353.3	170°	565.0	565.5	566.0	567.0	565.0	565.5	565.8
1197.8	1229.2	1280.7	1351.9	1432.0	172.5°	569.0	568.5	568.0	569.0	567.0	568.0	568.5
1285.6	1328.9	1375.6	1428.5	1492.0	175°	573.0	572.5	572.0	572.0	569.0	569.5	569.8
1381.1	1414.6	1453.6	1473.9	1509.4	177.5°	577.0	577.0	577.0	578.0	574.0	574.5	574.8
1409.0	1436.9	1471.1	1471.1	1466.9	180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0
1326.8	1369.3	1399.3	1399.3	1363.7								
1153.9	1225.0	1254.3	1272.4	1227.1								
937.7	1026.3	1074.4	1089.7	1007.4								
688.1	744.6	750.9	753.0	642.1								
396.7	441.3	457.4	480.4	384.9								
230.1	246.8	274.0	283.8	234.3								
129.0	130.4	130.4	120.6	98.3								
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	0.0								
1.0	1.0	1.0	1.0	1.0								
2.2	2.0	2.0	2.0	2.0								
11.0	10.0	9.5	9.0	8.5								
33.5	32.0	31.0	30.0	29.0								
57.2	56.0	55.5	55.0	54.5								
81.0	80.0	79.2	78.5	77.8								
103.8	103.0	102.8	102.5	102.2								

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CANDELA DISTRIBUTION (continued):

345°	347.5°	350°	352.5°		355°	359°	360°
126.0	125.5	125.0	124.5	0°	487.3	487.3	487.3
149.0	148.5	148.0	147.5	2.5°	524.3	515.9	517.3
172.0	171.5	171.0	170.5	5°	516.6	504.8	500.6
196.0	195.8	195.5	195.2	7.5°	490.1	469.9	463.6
221.0	220.8	220.5	220.2	10°	458.1	432.3	427.4
247.0	246.8	246.5	246.2	12.5°	439.9	410.6	404.4
270.0	269.8	269.5	269.2	15°	434.4	406.5	399.5
293.0	292.8	292.5	292.2	17.5°	451.1	421.1	412.7
317.0	316.2	315.5	314.8	20°	489.4	453.9	444.1
339.0	338.5	338.0	337.5	22.5°	546.6	506.2	494.3
363.0	362.2	361.5	360.8	25°	624.0	578.0	566.1
385.0	384.5	384.0	383.5	27.5°	703.5	648.4	633.1
408.0	407.5	407.0	406.5	30°	749.5	698.6	683.2
428.0	427.5	427.0	426.5	32.5°	796.2	747.4	729.3
447.0	446.2	445.5	444.8	35°	845.7	796.2	778.1
464.0	463.5	463.0	462.5	37.5°	903.6	861.7	845.7
483.0	482.2	481.5	480.8	40°	972.6	934.2	911.2
502.0	501.5	501.0	500.5	42.5°	1029.8	994.2	972.6
517.0	516.5	516.0	515.5	45°	1071.6	1041.6	1019.3
529.0	528.5	528.0	527.5	47.5°	1109.9	1086.9	1064.6
539.0	538.2	537.5	536.8	50°	1158.0	1138.5	1123.2
549.0	548.5	548.0	547.5	52.5°	1222.9	1215.9	1202.7
559.0	558.2	557.5	556.8	55°	1318.4	1333.7	1314.9
566.0	565.2	564.5	563.8	57.5°	1409.0	1420.2	1411.8
569.0	568.2	567.5	566.8	60°	1480.1	1464.8	1454.3
570.0	569.8	569.5	569.2	62.5°	1516.4	1478.7	1461.3
575.0	574.5	574.0	573.5	65°	1518.5	1460.6	1434.1
576.0	576.0	576.0	576.0	67.5°	1471.1	1403.5	1372.8
				70°	1343.5	1265.4	1225.0
				72.5°	1128.8	1008.8	981.6
				75°	827.6	680.5	664.4
				77.5°	501.3	391.1	370.2
				80°	282.4	224.5	217.5
				82.5°	160.4	126.2	133.2
				85°	65.5	32.8	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)