

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: P228639

Luminaire Tested: **ISC-AF-800-LED-E1-SLR-7030-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228639  
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-800-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: 5038.2 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U5 - G1  
  
Input Watts (W): 60.2  
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

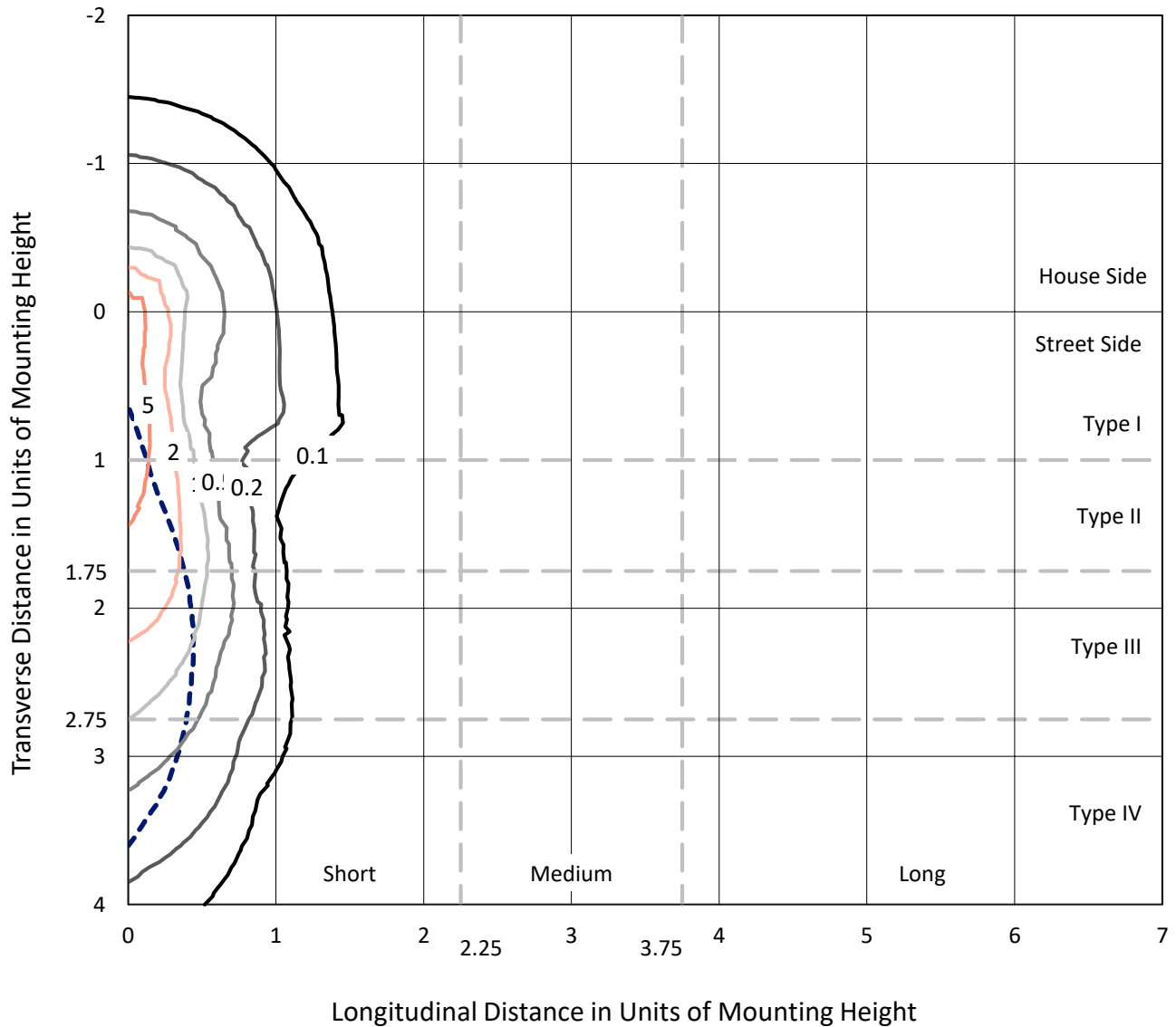


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

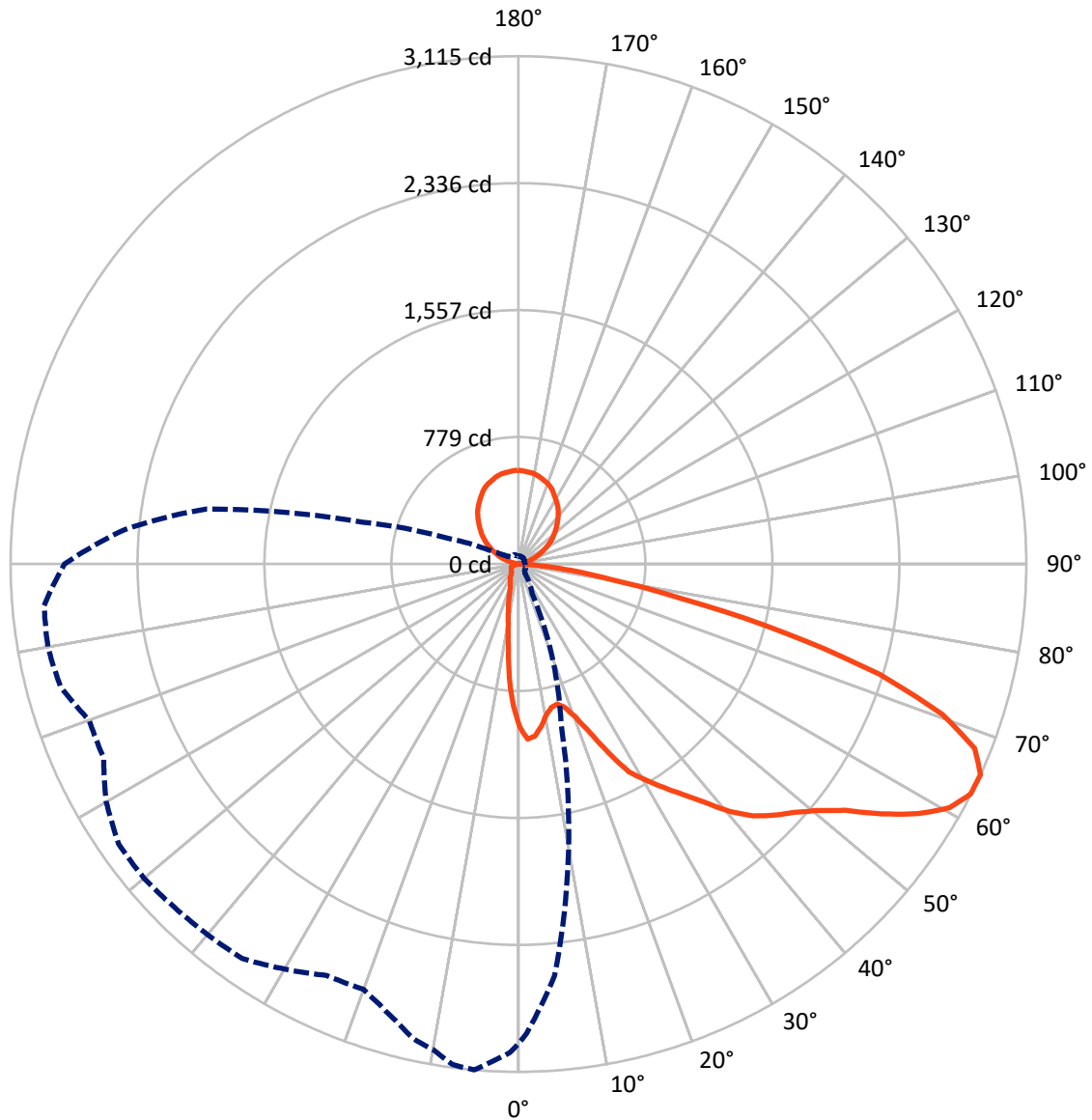


Based on 10 foot mounting height. Maximum calculated value = 10 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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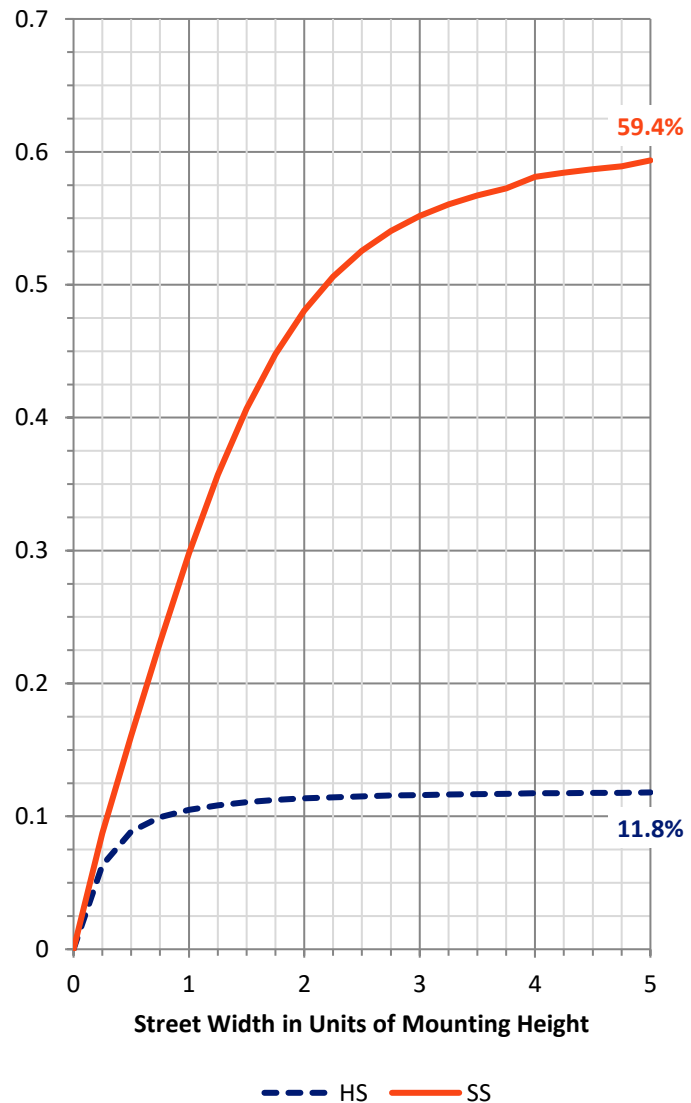
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	600.6	713.1	1313.7
	% Fixture	11.9	14.2	26.1
<b>Street Side</b>	Lumens	3011.4	713.1	3724.5
	% Fixture	59.8	14.2	73.9
<b>Total</b>	Lumens	3612.0	1426.2	5038.2
	% Fixture	71.7	28.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.7	1.5
10°-20°	158.2	3.1
20°-30°	229.9	4.6
30°-40°	340.0	6.7
40°-50°	495.4	9.8
50°-60°	742.7	14.7
60°-70°	925.5	18.4
70°-80°	542.1	10.8
80°-90°	101.4	2.0
90°-100°	4.7	0.1
100°-110°	69.0	1.4
110°-120°	153.0	3.0
120°-130°	223.9	4.4
130°-140°	265.6	5.3
140°-150°	269.3	5.3
150°-160°	231.1	4.6
160°-170°	155.1	3.1
170°-180°	54.3	1.1
0°-90°	3612.0	71.7
0°-180°	5038.2	100.0



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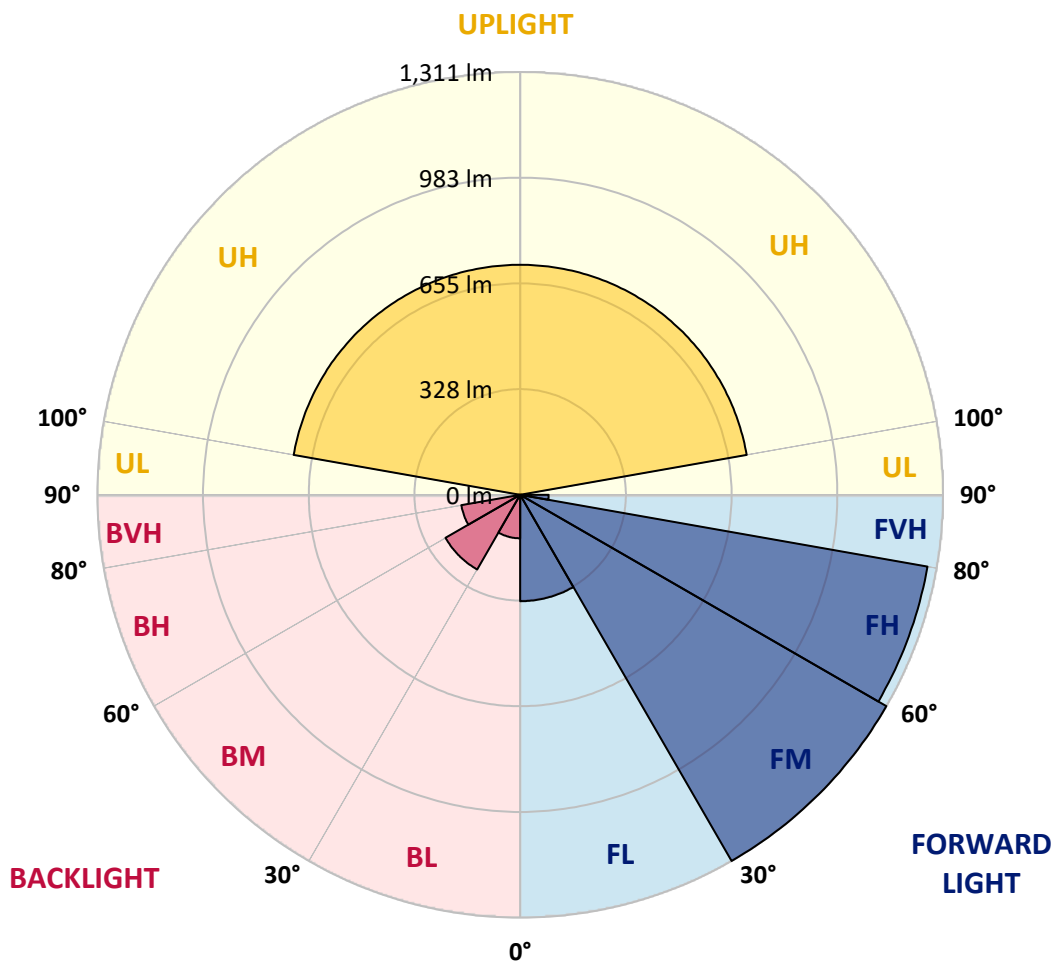
CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7030-ULG

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	330.0	6.5			
FM	(30°-60°)	1310.9	26.0			
FH	(60°-80°)	1282.3	25.5			G1/1800
FVH	(80°-90°)	88.3	1.8			G1/100
BL	(0°-30°)	134.9	2.7	B1/500		
BM	(30°-60°)	267.3	5.3	B1/1000		
BH	(60°-80°)	185.4	3.7	B1/500		G1/500
BVH	(80°-90°)	13.1	0.3			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	713.1	14.2		U4/1000	

**BUG Rating: B1-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°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	1061.1	1052.5	1035.3	1001.0	965.3	930.9	925.2	912.4	913.8	906.6	903.8
5°	1026.8	1015.3	979.6	908.1	846.6	783.7	779.4	753.6	756.5	740.7	732.2
7.5°	951.0	935.2	895.2	796.5	710.7	627.8	619.2	589.2	584.9	569.1	556.3
10°	876.6	860.9	810.8	697.8	599.2	537.7	527.7	513.4	501.9	494.8	481.9
12.5°	829.4	820.8	760.8	630.6	553.4	503.4	490.5	476.2	464.8	451.9	439.0
15°	819.4	802.2	740.7	609.2	519.1	457.6	441.9	426.1	413.3	400.4	381.8
17.5°	846.6	829.4	760.8	599.2	480.5	406.1	386.1	364.7	351.8	336.1	316.0
20°	910.9	883.8	799.4	584.9	439.0	346.1	321.8	296.0	281.7	254.5	240.2
22.5°	1013.9	979.6	865.2	584.9	400.4	283.1	256.0	233.1	217.4	193.1	177.3
25°	1161.2	1131.1	972.4	600.6	366.1	230.2	203.1	180.2	164.5	147.3	137.3
27.5°	1298.5	1251.3	1086.8	623.5	338.9	193.1	165.9	147.3	135.9	127.3	121.6
30°	1401.4	1362.8	1186.9	639.2	298.9	161.6	144.4	133.0	127.3	123.0	120.1
32.5°	1495.8	1451.5	1258.4	649.2	274.6	137.3	121.6	113.0	107.3	101.5	100.1
35°	1595.9	1553.0	1342.8	647.8	258.8	125.8	110.1	100.1	94.4	93.0	90.1
37.5°	1734.6	1676.0	1440.0	647.8	253.1	121.6	103.0	93.0	88.7	85.8	84.4
40°	1869.0	1803.3	1547.3	652.1	247.4	118.7	103.0	93.0	85.8	82.9	80.1
42.5°	1994.9	1921.9	1644.5	659.2	244.5	110.1	97.2	91.5	88.7	82.9	78.7
45°	2090.7	2033.5	1720.3	673.5	244.5	104.4	91.5	87.2	85.8	85.8	84.4
47.5°	2183.6	2119.3	1807.5	700.7	248.8	100.1	87.2	81.5	81.5	81.5	82.9
50°	2303.8	2228.0	1927.7	756.5	248.8	98.7	82.9	77.2	75.8	78.7	78.7
52.5°	2466.8	2412.4	2103.6	836.6	246.0	97.2	81.5	72.9	71.5	72.9	75.8
55°	2697.0	2635.5	2316.6	935.2	243.1	94.4	78.7	71.5	68.6	67.2	68.6
57.5°	2895.8	2842.9	2512.5	1013.9	236.0	87.2	75.8	70.1	65.8	64.4	62.9
60°	2983.0	2938.7	2638.4	1066.8	223.1	80.1	71.5	67.2	62.9	61.5	60.1
62.5°	2997.3	2941.5	2639.8	1078.2	208.8	72.9	67.2	62.9	60.1	58.6	57.2
65°	2941.5	2878.6	2535.4	1008.2	197.3	72.9	64.4	60.1	55.8	54.3	52.9
67.5°	2815.7	2718.5	2270.9	855.2	187.3	74.4	62.9	55.8	52.9	51.5	50.1
70°	2512.5	2403.9	1917.7	679.3	183.0	75.8	62.9	52.9	48.6	47.2	47.2
72.5°	2013.5	1889.1	1495.8	511.9	175.9	77.2	61.5	50.1	45.8	42.9	42.9
75°	1362.8	1254.1	1013.9	346.1	145.9	67.2	55.8	45.8	40.0	37.2	35.8
77.5°	759.3	723.6	644.9	183.0	93.0	50.1	42.9	37.2	32.9	31.5	30.0
80°	446.2	427.6	380.4	101.5	57.2	28.6	25.7	24.3	21.5	21.5	21.5
82.5°	273.1	254.5	236.0	45.8	27.2	14.3	14.3	11.4	11.4	10.0	10.0
85°	74.4	68.6	95.8	10.0	2.9	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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**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°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	892.3	889.5	889.5	868.0	868.0	856.6	853.7	853.7	858.0	855.2	838.0
5°	717.9	709.3	703.6	677.8	670.7	657.8	652.1	650.7	654.9	647.8	624.9
7.5°	540.5	533.4	524.8	504.8	496.2	494.8	477.6	473.3	470.5	464.8	450.5
10°	471.9	461.9	454.7	440.4	430.4	423.3	409.0	401.8	396.1	387.5	383.2
12.5°	424.7	414.7	404.7	386.1	373.2	364.7	356.1	341.8	336.1	326.0	320.3
15°	366.1	354.6	343.2	323.2	306.0	297.4	280.3	271.7	266.0	254.5	248.8
17.5°	294.6	278.9	266.0	247.4	238.8	224.5	214.5	200.2	188.8	184.5	180.2
20°	221.7	207.4	195.9	180.2	171.6	160.2	154.4	144.4	138.7	135.9	133.0
22.5°	163.0	151.6	144.4	135.9	131.6	127.3	124.4	121.6	118.7	117.3	117.3
25°	128.7	124.4	121.6	118.7	117.3	115.8	113.0	111.5	110.1	108.7	108.7
27.5°	117.3	114.4	113.0	111.5	110.1	107.3	107.3	104.4	103.0	103.0	101.5
30°	118.7	118.7	118.7	115.8	114.4	111.5	110.1	105.8	103.0	100.1	98.7
32.5°	97.2	97.2	95.8	93.0	91.5	90.1	90.1	87.2	85.8	85.8	88.7
35°	88.7	87.2	85.8	82.9	81.5	78.7	77.2	75.8	74.4	72.9	72.9
37.5°	84.4	82.9	81.5	78.7	77.2	75.8	74.4	71.5	70.1	70.1	68.6
40°	80.1	80.1	80.1	77.2	75.8	72.9	71.5	70.1	68.6	67.2	67.2
42.5°	77.2	77.2	77.2	75.8	74.4	72.9	70.1	68.6	67.2	65.8	64.4
45°	78.7	77.2	77.2	75.8	74.4	71.5	70.1	67.2	65.8	64.4	62.9
47.5°	84.4	82.9	80.1	77.2	74.4	71.5	68.6	65.8	64.4	62.9	61.5
50°	80.1	85.8	87.2	82.9	75.8	71.5	68.6	65.8	62.9	61.5	60.1
52.5°	78.7	80.1	85.8	85.8	78.7	72.9	68.6	65.8	62.9	60.1	58.6
55°	71.5	75.8	77.2	78.7	77.2	71.5	67.2	62.9	61.5	58.6	55.8
57.5°	62.9	65.8	67.2	70.1	71.5	70.1	64.4	60.1	58.6	55.8	52.9
60°	58.6	58.6	58.6	60.1	67.2	72.9	67.2	58.6	54.3	52.9	50.1
62.5°	54.3	54.3	52.9	54.3	55.8	62.9	61.5	55.8	52.9	51.5	48.6
65°	52.9	51.5	50.1	50.1	50.1	50.1	50.1	50.1	48.6	48.6	47.2
67.5°	48.6	47.2	47.2	45.8	45.8	45.8	45.8	45.8	44.3	44.3	42.9
70°	45.8	44.3	42.9	42.9	42.9	41.5	41.5	41.5	40.0	40.0	40.0
72.5°	41.5	40.0	40.0	40.0	38.6	38.6	38.6	37.2	37.2	35.8	35.8
75°	35.8	35.8	34.3	34.3	34.3	32.9	32.9	32.9	32.9	31.5	31.5
77.5°	30.0	28.6	30.0	28.6	28.6	28.6	28.6	28.6	27.2	27.2	25.7
80°	20.0	20.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.0
82.5°	11.4	10.0	11.4	11.4	11.4	12.9	12.9	14.3	12.9	12.9	11.4
85°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.9	2.9	2.9	2.9
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



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CATALOG NUMBER: ISC-AF-800-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: P228639

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7030-ULG

**CANDELA DISTRIBUTION (continued):**

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	846.6	845.1	830.8	833.7	829.4	820.8	822.3	823.7	826.6	820.8	818.0
5°	636.4	637.8	619.2	624.9	620.6	619.2	623.5	630.6	634.9	633.5	629.2
7.5°	451.9	453.3	437.6	436.2	431.9	430.4	436.2	443.3	447.6	446.2	447.6
10°	373.2	368.9	354.6	344.6	334.6	326.0	324.6	324.6	324.6	321.8	318.9
12.5°	308.9	304.6	287.4	278.9	270.3	258.8	257.4	256.0	251.7	247.4	241.7
15°	240.2	236.0	221.7	215.9	208.8	204.5	203.1	203.1	200.2	197.3	194.5
17.5°	174.5	171.6	163.0	157.3	155.9	157.3	158.7	161.6	163.0	164.5	164.5
20°	131.6	130.1	127.3	127.3	128.7	133.0	134.4	138.7	140.1	143.0	145.9
22.5°	115.8	115.8	114.4	114.4	117.3	121.6	124.4	125.8	127.3	128.7	128.7
25°	107.3	107.3	105.8	108.7	113.0	113.0	113.0	113.0	110.1	108.7	108.7
27.5°	101.5	101.5	101.5	103.0	101.5	100.1	100.1	100.1	98.7	98.7	97.2
30°	97.2	97.2	97.2	95.8	95.8	94.4	94.4	93.0	93.0	91.5	91.5
32.5°	90.1	87.2	90.1	87.2	87.2	85.8	87.2	87.2	84.4	84.4	84.4
35°	71.5	70.1	70.1	70.1	68.6	70.1	72.9	72.9	72.9	72.9	72.9
37.5°	67.2	67.2	65.8	64.4	64.4	62.9	64.4	62.9	62.9	62.9	64.4
40°	65.8	64.4	62.9	62.9	61.5	60.1	60.1	60.1	60.1	60.1	60.1
42.5°	62.9	62.9	60.1	58.6	58.6	57.2	57.2	57.2	57.2	57.2	57.2
45°	61.5	60.1	58.6	57.2	55.8	55.8	55.8	55.8	55.8	55.8	54.3
47.5°	60.1	58.6	57.2	55.8	54.3	52.9	52.9	52.9	52.9	52.9	52.9
50°	58.6	57.2	54.3	54.3	52.9	51.5	51.5	51.5	51.5	51.5	51.5
52.5°	55.8	55.8	52.9	51.5	50.1	50.1	50.1	50.1	50.1	50.1	50.1
55°	52.9	52.9	50.1	48.6	47.2	47.2	47.2	47.2	48.6	48.6	48.6
57.5°	51.5	50.1	47.2	47.2	44.3	44.3	44.3	45.8	45.8	47.2	47.2
60°	48.6	47.2	45.8	44.3	44.3	42.9	42.9	42.9	42.9	44.3	44.3
62.5°	47.2	45.8	42.9	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
65°	44.3	44.3	41.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
67.5°	41.5	41.5	38.6	37.2	37.2	37.2	38.6	37.2	37.2	37.2	37.2
70°	38.6	37.2	35.8	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
72.5°	34.3	34.3	32.9	31.5	31.5	31.5	31.5	31.5	31.5	31.5	32.9
75°	30.0	28.6	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
77.5°	25.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	24.3
80°	18.6	17.2	17.2	17.2	17.2	18.6	18.6	18.6	18.6	18.6	18.6
82.5°	11.4	10.0	10.0	10.0	11.4	12.9	12.9	12.9	12.9	14.3	14.3
85°	2.9	2.9	2.9	2.9	5.7	7.2	7.2	7.2	8.6	7.2	7.2
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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 NUMBER: ISC-AF-800-LED-E1-SLR-7030-ULG

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°	115°	115°
999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	112.5°	136.0
815.1	832.3	832.3	820.8	826.6	820.8	819.4	829.4	835.1	853.7	865.2	115°	158.0
630.6	652.1	653.5	647.8	654.9	650.7	654.9	667.8	677.8	690.7	702.1	117.5°	181.0
450.5	470.5	474.8	470.5	483.3	481.9	484.8	499.1	507.7	514.8	516.2	120°	204.0
317.5	320.3	331.8	328.9	337.5	336.1	340.3	351.8	363.2	367.5	370.4	122.5°	228.0
238.8	236.0	240.2	234.5	238.8	238.8	240.2	247.4	261.7	267.4	281.7	125°	254.0
193.1	190.2	190.2	187.3	187.3	185.9	187.3	193.1	203.1	211.6	223.1	127.5°	277.0
164.5	164.5	164.5	163.0	161.6	161.6	163.0	165.9	171.6	177.3	183.0	130°	301.0
147.3	150.2	151.6	153.0	154.4	155.9	157.3	161.6	160.2	154.4	147.3	132.5°	325.0
128.7	128.7	130.1	130.1	128.7	128.7	128.7	128.7	128.7	133.0	137.3	135°	348.0
107.3	107.3	107.3	108.7	107.3	107.3	108.7	108.7	110.1	113.0	117.3	137.5°	369.0
97.2	97.2	97.2	97.2	97.2	97.2	97.2	98.7	100.1	104.4	107.3	140°	390.0
90.1	90.1	88.7	88.7	88.7	87.2	88.7	88.7	90.1	95.8	100.1	142.5°	412.0
82.9	81.5	81.5	81.5	80.1	80.1	80.1	82.9	84.4	87.2	91.5	145°	433.0
72.9	72.9	72.9	74.4	74.4	74.4	74.4	77.2	77.2	78.7	78.7	147.5°	452.0
65.8	65.8	67.2	68.6	68.6	70.1	70.1	71.5	72.9	71.5	70.1	150°	469.0
60.1	61.5	61.5	64.4	64.4	64.4	65.8	67.2	68.6	65.8	65.8	152.5°	486.0
57.2	57.2	57.2	58.6	58.6	58.6	60.1	61.5	62.9	62.9	62.9	155°	503.0
54.3	54.3	54.3	55.8	54.3	54.3	54.3	55.8	58.6	58.6	60.1	157.5°	517.0
52.9	52.9	52.9	51.5	51.5	51.5	51.5	52.9	54.3	57.2	58.6	160°	530.0
51.5	50.1	50.1	50.1	50.1	50.1	50.1	51.5	52.9	54.3	57.2	162.5°	540.0
48.6	48.6	48.6	48.6	48.6	48.6	48.6	50.1	51.5	52.9	54.3	165°	550.0
48.6	48.6	47.2	47.2	48.6	48.6	48.6	50.1	51.5	52.9	52.9	167.5°	558.0
47.2	45.8	45.8	47.2	47.2	47.2	47.2	48.6	50.1	51.5	51.5	170°	564.0
44.3	44.3	44.3	44.3	45.8	45.8	47.2	48.6	48.6	50.1	50.1	172.5°	567.0
41.5	42.9	42.9	42.9	44.3	44.3	45.8	47.2	48.6	50.1	48.6	175°	570.0
40.0	41.5	41.5	41.5	42.9	42.9	42.9	45.8	47.2	47.2	48.6	177.5°	574.0
38.6	38.6	38.6	40.0	40.0	41.5	41.5	44.3	44.3	45.8	47.2	180°	576.0
35.8	35.8	35.8	37.2	37.2	38.6	40.0	41.5	41.5	42.9	44.3		
32.9	32.9	32.9	34.3	34.3	35.8	37.2	40.0	38.6	40.0	40.0		
28.6	28.6	30.0	30.0	31.5	32.9	34.3	34.3	34.3	34.3	34.3		
24.3	24.3	25.7	25.7	27.2	28.6	28.6	28.6	30.0	28.6	28.6		
20.0	20.0	21.5	21.5	21.5	21.5	22.9	21.5	22.9	21.5	22.9		
14.3	14.3	15.7	14.3	15.7	14.3	14.3	12.9	15.7	14.3	14.3		
5.7	7.2	7.2	7.2	7.2	5.7	5.7	4.3	5.7	5.7	4.3		
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	0.0	0.0	0.0	0.0	0.0	0.0	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		

'228639  
 ISC-AF-800-LED-E1-SLR-7030-ULG

REPORT NUMBER: P228639  
 CATALOG NUMBER: ISC-AF-80

**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°	999.6	999.6
158.0	158.0	158.0	158.0	157.5	157.0	156.0	154.0	151.0	149.0	2.5°	869.5	868.0
180.8	180.5	180.2	180.0	179.8	179.5	179.0	177.0	174.0	172.0	5°	703.6	700.7
204.0	204.0	204.0	204.0	203.5	203.0	202.0	201.0	198.0	196.0	7.5°	503.4	497.6
228.0	228.0	228.0	228.0	227.8	227.5	227.0	226.0	223.0	221.0	10°	371.8	376.1
253.8	253.5	253.2	253.0	252.8	252.5	252.0	251.0	248.0	247.0	12.5°	297.4	314.6
277.2	277.5	277.8	278.0	277.5	277.0	276.0	274.0	272.0	270.0	15°	238.8	248.8
301.0	301.0	301.0	301.0	300.5	300.0	299.0	298.0	294.0	293.0	17.5°	184.5	188.8
325.0	325.0	325.0	325.0	324.2	323.5	322.0	321.0	318.0	317.0	20°	147.3	147.3
348.0	348.0	348.0	348.0	347.2	346.5	345.0	345.0	341.0	339.0	22.5°	128.7	127.3
369.0	369.0	369.0	369.0	368.5	368.0	367.0	367.0	364.0	363.0	25°	121.6	120.1
390.0	390.0	390.0	390.0	389.8	389.5	389.0	388.0	386.0	385.0	27.5°	110.1	111.5
412.0	412.0	412.0	412.0	411.5	411.0	410.0	410.0	407.0	408.0	30°	103.0	104.4
433.2	433.5	433.8	434.0	433.5	433.0	432.0	431.0	428.0	428.0	32.5°	94.4	95.8
452.5	453.0	453.5	454.0	453.8	453.5	453.0	452.0	448.0	447.0	35°	77.2	77.2
469.5	470.0	470.5	471.0	470.8	470.5	470.0	469.0	465.0	464.0	37.5°	71.5	71.5
486.2	486.5	486.8	487.0	486.8	486.5	486.0	485.0	482.0	483.0	40°	67.2	68.6
503.2	503.5	503.8	504.0	503.8	503.5	503.0	503.0	501.0	502.0	42.5°	64.4	64.4
517.5	518.0	518.5	519.0	519.0	519.0	519.0	519.0	516.0	517.0	45°	61.5	62.9
530.5	531.0	531.5	532.0	532.0	532.0	532.0	532.0	529.0	529.0	47.5°	60.1	60.1
540.5	541.0	541.5	542.0	541.8	541.5	541.0	541.0	538.0	539.0	50°	57.2	58.6
550.8	551.5	552.2	553.0	552.8	552.5	552.0	552.0	548.0	549.0	52.5°	55.8	57.2
558.5	559.0	559.5	560.0	560.0	560.0	560.0	561.0	558.0	559.0	55°	54.3	54.3
564.2	564.5	564.8	565.0	565.2	565.5	566.0	567.0	565.0	566.0	57.5°	51.5	52.9
567.5	568.0	568.5	569.0	568.8	568.5	568.0	569.0	567.0	569.0	60°	51.5	51.5
570.8	571.5	572.2	573.0	572.8	572.5	572.0	572.0	569.0	570.0	62.5°	50.1	50.1
574.8	575.5	576.2	577.0	577.0	577.0	577.0	578.0	574.0	575.0	65°	48.6	48.6
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	45.8	45.8
										70°	42.9	42.9
										72.5°	40.0	38.6
										75°	34.3	34.3
										77.5°	28.6	28.6
										80°	21.5	20.0
										82.5°	12.9	11.4
										85°	4.3	4.3
										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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0-LED-E1-SLR-7030-ULG

**tinued):**

**CANDELA DISTRIBUTION (continued):**

185°	195°	205°	215°	225°	230°	235°	240°	245°		175°	180°	185°
999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	112.5°	124.0	124.0	124.0
889.5	905.2	915.2	953.8	971.0	992.4	1002.4	1016.7	1031.0	115°	147.0	146.0	147.0
726.4	746.5	763.6	819.4	852.3	882.3	906.6	929.5	962.4	117.5°	170.0	169.0	170.0
514.8	532.0	554.8	614.9	672.1	712.1	747.9	786.5	829.4	120°	195.0	193.0	195.0
393.3	419.0	449.0	494.8	540.5	569.1	600.6	643.5	695.0	122.5°	220.0	219.0	220.0
328.9	360.4	396.1	447.6	496.2	519.1	542.0	563.4	590.6	125°	246.0	244.0	246.0
260.3	290.3	333.2	393.3	450.5	476.2	503.4	529.1	553.4	127.5°	269.0	267.0	269.0
194.5	215.9	254.5	326.0	389.0	421.9	453.3	489.1	522.0	130°	292.0	290.0	292.0
148.7	158.7	185.9	241.7	318.9	360.4	400.4	446.2	493.4	132.5°	314.0	313.0	314.0
128.7	133.0	145.9	178.8	248.8	297.4	348.9	406.1	464.8	135°	337.0	336.0	337.0
118.7	121.6	128.7	144.4	194.5	246.0	298.9	367.5	439.0	137.5°	360.0	359.0	360.0
113.0	115.8	121.6	130.1	161.6	200.2	258.8	334.6	420.4	140°	383.0	382.0	383.0
105.8	108.7	118.7	128.7	147.3	171.6	221.7	296.0	391.8	142.5°	406.0	404.0	406.0
97.2	98.7	101.5	113.0	125.8	145.9	188.8	261.7	361.8	145°	426.0	425.0	426.0
78.7	82.9	88.7	100.1	113.0	128.7	168.7	238.8	343.2	147.5°	444.0	444.0	444.0
72.9	77.2	82.9	93.0	104.4	118.7	160.2	230.2	326.0	150°	462.0	461.0	462.0
68.6	72.9	78.7	90.1	97.2	114.4	155.9	217.4	308.9	152.5°	480.0	479.0	480.0
65.8	70.1	77.2	85.8	95.8	111.5	144.4	205.9	298.9	155°	500.0	499.0	500.0
62.9	67.2	75.8	82.9	97.2	105.8	137.3	197.3	290.3	157.5°	515.0	513.0	515.0
61.5	65.8	74.4	84.4	94.4	100.1	130.1	190.2	283.1	160°	527.0	525.0	527.0
60.1	64.4	72.9	93.0	90.1	95.8	124.4	184.5	278.9	162.5°	536.0	535.0	536.0
58.6	62.9	72.9	94.4	87.2	90.1	120.1	178.8	276.0	165°	547.0	546.0	547.0
55.8	61.5	72.9	87.2	81.5	87.2	111.5	170.2	268.8	167.5°	556.0	555.0	556.0
54.3	58.6	71.5	80.1	77.2	82.9	103.0	155.9	258.8	170°	563.0	562.0	563.0
52.9	57.2	71.5	71.5	72.9	78.7	93.0	138.7	241.7	172.5°	566.0	565.0	566.0
51.5	57.2	72.9	64.4	68.6	74.4	85.8	124.4	220.2	175°	569.0	567.0	569.0
50.1	54.3	62.9	61.5	65.8	70.1	82.9	114.4	201.6	177.5°	573.0	572.0	573.0
47.2	51.5	55.8	57.2	62.9	67.2	81.5	113.0	184.5	180°	576.0	576.0	576.0
42.9	47.2	50.1	54.3	58.6	64.4	81.5	111.5	171.6				
40.0	42.9	45.8	48.6	52.9	60.1	80.1	113.0	165.9				
34.3	37.2	40.0	42.9	47.2	55.8	75.8	105.8	148.7				
27.2	31.5	34.3	35.8	40.0	48.6	65.8	90.1	120.1				
20.0	24.3	25.7	28.6	31.5	37.2	51.5	65.8	88.7				
11.4	15.7	17.2	18.6	24.3	27.2	34.3	42.9	60.1				
4.3	7.2	8.6	10.0	14.3	15.7	21.5	27.2	31.5				
0.0	0.0	0.0	0.0	2.9	4.3	7.2	8.6	7.2				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	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°	999.6	999.6	999.6	999.6
149.0	151.0	154.0	156.0	157.0	158.0	158.0	158.0	2.5°	1048.2	1062.5	1081.1	1098.3
172.0	174.0	177.0	179.0	179.5	180.0	180.5	181.0	5°	988.1	1015.3	1055.4	1088.2
196.0	198.0	201.0	202.0	203.0	204.0	204.0	204.0	7.5°	866.6	903.8	953.8	999.6
221.0	223.0	226.0	227.0	227.5	228.0	228.0	228.0	10°	739.3	790.8	843.7	902.3
247.0	248.0	251.0	252.0	252.5	253.0	253.5	254.0	12.5°	634.9	693.6	753.6	826.6
270.0	272.0	274.0	276.0	277.0	278.0	277.5	277.0	15°	590.6	642.1	712.1	792.2
293.0	294.0	298.0	299.0	300.0	301.0	301.0	301.0	17.5°	572.0	637.8	717.9	802.2
317.0	318.0	321.0	322.0	323.5	325.0	325.0	325.0	20°	552.0	642.1	749.3	852.3
339.0	341.0	345.0	345.0	346.5	348.0	348.0	348.0	22.5°	540.5	656.4	789.4	933.8
363.0	364.0	367.0	367.0	368.0	369.0	369.0	369.0	25°	537.7	689.3	858.0	1049.6
385.0	386.0	388.0	389.0	389.5	390.0	390.0	390.0	27.5°	540.5	726.4	943.8	1174.0
408.0	407.0	410.0	410.0	411.0	412.0	412.0	412.0	30°	527.7	765.1	1029.6	1282.7
428.0	428.0	431.0	432.0	433.0	434.0	433.5	433.0	32.5°	506.2	793.7	1105.4	1370.0
447.0	448.0	452.0	453.0	453.5	454.0	453.0	452.0	35°	481.9	806.5	1159.7	1451.5
464.0	465.0	469.0	470.0	470.5	471.0	470.0	469.0	37.5°	456.2	808.0	1211.2	1537.3
483.0	482.0	485.0	486.0	486.5	487.0	486.5	486.0	40°	441.9	802.2	1264.1	1643.1
502.0	501.0	503.0	503.0	503.5	504.0	503.5	503.0	42.5°	436.2	792.2	1302.7	1723.2
517.0	516.0	519.0	519.0	519.0	519.0	518.0	517.0	45°	436.2	782.2	1338.5	1783.2
529.0	529.0	532.0	532.0	532.0	532.0	531.0	530.0	47.5°	437.6	786.5	1381.4	1880.5
539.0	538.0	541.0	541.0	541.5	542.0	541.0	540.0	50°	444.7	835.1	1454.3	1987.7
549.0	548.0	552.0	552.0	552.5	553.0	551.5	550.0	52.5°	456.2	912.4	1580.2	2115.0
559.0	558.0	561.0	560.0	560.0	560.0	559.0	558.0	55°	467.6	991.0	1744.6	2328.1
566.0	565.0	567.0	566.0	565.5	565.0	564.5	564.0	57.5°	477.6	1049.6	1904.8	2539.7
569.0	567.0	569.0	568.0	568.5	569.0	568.0	567.0	60°	487.6	1095.4	1997.7	2634.1
570.0	569.0	572.0	572.0	572.5	573.0	571.5	570.0	62.5°	481.9	1078.2	2023.5	2586.9
575.0	574.0	578.0	577.0	577.0	577.0	575.5	574.0	65°	460.5	988.1	1942.0	2423.9
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	401.8	830.8	1691.7	2166.5
								70°	333.2	652.1	1380.0	1844.7
								72.5°	280.3	487.6	1061.1	1428.6
								75°	233.1	344.6	746.5	983.9
								77.5°	173.0	234.5	540.5	687.8
								80°	115.8	144.4	344.6	480.5
								82.5°	70.1	84.4	198.8	336.1
								85°	38.6	52.9	121.6	220.2
								87.5°	10.0	11.4	27.2	10.0
								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°	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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CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7030-ULG

JLG

**CANDELA DISTRIBUTION (continued):**

270°	275°	280°	285°	290°	295°	300°		250°	255°	260°	265°	270°
999.6	999.6	999.6	999.6	999.6	999.6	999.6	112.5°	135.5	135.0	136.0	137.0	135.0
1111.1	1122.6	1136.9	1136.9	1154.0	1159.7	1171.2	115°	158.0	158.0	159.0	160.0	159.0
1128.3	1166.9	1202.6	1222.7	1257.0	1279.9	1302.7	117.5°	180.5	180.0	181.0	182.0	180.0
1058.2	1121.1	1179.8	1234.1	1291.3	1339.9	1375.7	120°	204.0	204.0	205.0	206.0	204.0
965.3	1032.5	1104.0	1176.9	1245.5	1314.2	1372.8	122.5°	228.5	229.0	231.0	233.0	232.0
899.5	971.0	1055.4	1118.3	1189.8	1258.4	1315.6	125°	254.0	254.0	255.5	257.0	256.0
869.5	942.4	1021.0	1085.4	1152.6	1208.4	1248.4	127.5°	277.5	278.0	279.5	281.0	278.0
885.2	973.8	1043.9	1098.3	1148.3	1174.0	1179.8	130°	301.5	302.0	303.5	305.0	303.0
953.8	1046.8	1098.3	1134.0	1142.6	1141.2	1119.7	132.5°	325.5	326.0	327.5	329.0	327.0
1061.1	1169.8	1205.5	1198.4	1162.6	1116.8	1081.1	135°	348.5	349.0	350.0	351.0	350.0
1205.5	1314.2	1334.2	1294.2	1214.1	1125.4	1065.4	137.5°	369.5	370.0	372.0	374.0	372.0
1357.1	1468.6	1461.5	1401.4	1287.0	1162.6	1066.8	140°	391.0	392.0	394.0	396.0	394.0
1464.3	1557.3	1528.7	1438.6	1311.3	1186.9	1085.4	142.5°	412.5	413.0	414.5	416.0	415.0
1575.9	1646.0	1594.5	1497.2	1365.7	1238.4	1134.0	145°	433.5	434.0	435.5	437.0	435.0
1696.0	1733.2	1650.2	1551.6	1431.4	1302.7	1189.8	147.5°	452.5	453.0	454.5	456.0	453.0
1811.8	1827.6	1707.4	1601.6	1484.4	1368.5	1265.6	150°	469.0	469.0	471.0	473.0	470.0
1936.2	1914.8	1767.5	1643.1	1527.3	1438.6	1354.2	152.5°	486.0	486.0	487.5	489.0	486.0
2043.5	1996.3	1823.3	1684.6	1580.2	1505.8	1447.2	155°	503.5	504.0	505.5	507.0	505.0
2123.6	2062.1	1876.2	1724.6	1631.7	1585.9	1557.3	157.5°	517.5	518.0	520.5	523.0	520.0
2192.2	2125.0	1917.7	1783.2	1703.2	1686.0	1696.0	160°	530.0	530.0	531.5	533.0	531.0
2278.0	2192.2	1973.4	1849.0	1800.4	1817.6	1874.8	162.5°	539.0	538.0	539.0	540.0	537.0
2411.0	2299.5	2066.4	1943.4	1920.5	1982.0	2090.7	165°	549.0	548.0	549.0	550.0	548.0
2625.5	2494.0	2230.8	2107.8	2080.7	2175.1	2330.9	167.5°	558.5	559.0	561.0	563.0	561.0
2811.4	2711.3	2448.2	2299.5	2288.0	2389.6	2559.7	170°	565.0	566.0	568.5	571.0	569.0
2895.8	2885.8	2672.7	2535.4	2518.3	2612.6	2774.2	172.5°	567.5	568.0	569.5	571.0	568.0
2888.6	2971.6	2855.7	2758.5	2699.9	2778.5	2935.8	175°	569.0	568.0	569.5	571.0	568.0
2784.2	2920.1	2930.1	2907.2	2801.4	2807.1	2918.7	177.5°	574.0	574.0	575.5	577.0	574.0
2579.8	2741.3	2910.1	2902.9	2768.5	2649.8	2672.7	180°	576.0	576.0	576.0	576.0	576.0
2289.5	2428.2	2697.0	2751.4	2559.7	2338.1	2233.7						
1834.7	1996.3	2395.3	2471.1	2209.4	1897.6	1736.0						
1265.6	1478.6	2090.7	2097.8	1793.2	1492.9	1318.5						
869.5	1052.5	1690.3	1708.9	1422.9	1132.6	982.4						
584.9	705.0	1239.8	1161.2	939.5	785.1	746.5						
368.9	439.0	779.4	727.9	619.2	566.3	580.6						
171.6	240.2	426.1	416.1	390.4	341.8	297.4						
4.3	12.9	82.9	54.3	54.3	31.5	11.4						
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						
4.0	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°	999.6	999.6	999.6	999.6	999.6	999.6
160.0	159.0	158.0	158.0	158.0	158.0	2.5°	1161.2	1165.5	1164.0	1154.0	1128.3	1118.3
182.0	181.0	180.0	180.5	181.0	180.5	5°	1301.3	1308.5	1299.9	1275.6	1209.8	1178.3
206.0	205.0	204.0	204.0	204.0	204.0	7.5°	1400.0	1405.7	1391.4	1335.6	1218.4	1165.5
233.0	231.0	229.0	228.5	228.0	228.0	10°	1418.6	1431.4	1415.7	1335.6	1199.8	1134.0
257.0	255.5	254.0	254.0	254.0	253.5	12.5°	1365.7	1392.8	1381.4	1322.8	1191.2	1121.1
281.0	279.5	278.0	277.5	277.0	277.5	15°	1284.2	1287.0	1294.2	1292.7	1175.5	1106.8
305.0	303.5	302.0	301.5	301.0	301.0	17.5°	1194.1	1191.2	1199.8	1227.0	1171.2	1116.8
329.0	327.5	326.0	325.5	325.0	325.0	20°	1112.6	1108.3	1116.8	1144.0	1154.0	1141.2
351.0	350.0	349.0	348.5	348.0	348.0	22.5°	1061.1	1046.8	1045.3	1085.4	1162.6	1196.9
374.0	372.0	370.0	369.5	369.0	369.0	25°	1032.5	1016.7	1023.9	1069.7	1198.4	1262.7
396.0	394.0	392.0	391.0	390.0	390.0	27.5°	1023.9	1006.7	1016.7	1068.2	1235.5	1342.8
416.0	414.5	413.0	412.5	412.0	412.0	30°	1029.6	1012.5	1016.7	1078.2	1254.1	1361.4
437.0	435.5	434.0	433.5	433.0	433.5	32.5°	1062.5	1032.5	1029.6	1108.3	1288.4	1402.8
456.0	454.5	453.0	452.5	452.0	453.0	35°	1106.8	1063.9	1058.2	1156.9	1332.8	1455.8
473.0	471.0	469.0	469.0	469.0	470.0	37.5°	1181.2	1128.3	1119.7	1238.4	1392.8	1500.1
489.0	487.5	486.0	486.0	486.0	486.5	40°	1281.3	1228.4	1228.4	1342.8	1474.3	1561.6
507.0	505.5	504.0	503.5	503.0	503.5	42.5°	1394.3	1359.9	1365.7	1468.6	1567.3	1638.8
523.0	520.5	518.0	517.5	517.0	518.0	45°	1544.4	1525.8	1554.4	1627.4	1661.7	1710.3
533.0	531.5	530.0	530.0	530.0	531.0	47.5°	1720.3	1736.0	1776.1	1799.0	1757.5	1783.2
540.0	539.0	538.0	539.0	540.0	541.0	50°	1940.5	1982.0	2020.6	2014.9	1876.2	1867.6
550.0	549.0	548.0	549.0	550.0	551.5	52.5°	2193.6	2248.0	2275.2	2243.7	2009.2	1959.1
563.0	561.0	559.0	558.5	558.0	559.0	55°	2451.1	2516.8	2508.3	2472.5	2153.6	2086.4
571.0	568.5	566.0	565.0	564.0	564.5	57.5°	2684.1	2735.6	2758.5	2681.3	2329.5	2240.8
571.0	569.5	568.0	567.5	567.0	568.0	60°	2868.6	2924.4	2924.4	2848.6	2521.1	2418.2
571.0	569.5	568.0	569.0	570.0	571.5	62.5°	3003.0	3047.4	3031.6	2958.7	2685.6	2606.9
577.0	575.5	574.0	574.0	574.0	575.5	65°	2993.0	2997.3	2980.2	2953.0	2784.2	2775.7
576.0	576.0	576.0	576.0	576.0	576.0	67.5°	2711.3	2712.7	2747.1	2735.6	2709.9	2815.7
						70°	2222.2	2245.1	2303.8	2286.6	2418.2	2635.5
						72.5°	1691.7	1706.0	1776.1	1760.4	1939.1	2177.9
						75°	1231.2	1229.8	1259.8	1237.0	1462.9	1728.9
						77.5°	948.1	922.4	916.6	919.5	1036.8	1257.0
						80°	765.1	765.1	756.5	725.0	634.9	735.0
						82.5°	610.6	586.3	543.4	481.9	407.6	434.7
						85°	304.6	296.0	258.8	214.5	178.8	237.4
						87.5°	1.4	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°
999.6	999.6	999.6	999.6	999.6	112.5°	136.0	135.0	134.0	132.0	129.0	127.5	126.8
1114.0	1102.5	1089.7	1089.7	1078.2	115°	158.0	157.0	156.0	154.0	151.0	150.0	149.5
1159.7	1136.9	1118.3	1101.1	1084.0	117.5°	180.0	179.5	179.0	177.0	174.0	173.0	172.5
1136.9	1109.7	1086.8	1056.8	1029.6	120°	204.0	203.0	202.0	201.0	198.0	197.0	196.5
1102.5	1072.5	1039.6	1008.2	969.6	122.5°	228.0	227.5	227.0	226.0	223.0	222.0	221.5
1084.0	1048.2	1008.2	975.3	930.9	125°	253.0	252.5	252.0	251.0	248.0	247.5	247.2
1069.7	1032.5	996.7	965.3	926.7	127.5°	278.0	277.0	276.0	274.0	272.0	271.0	270.5
1092.5	1056.8	1031.0	995.3	965.3	130°	301.0	300.0	299.0	298.0	294.0	293.5	293.2
1131.1	1109.7	1089.7	1066.8	1042.5	132.5°	325.0	323.5	322.0	321.0	318.0	317.5	317.2
1204.1	1201.2	1199.8	1182.6	1165.5	135°	348.0	346.5	345.0	345.0	341.0	340.0	339.5
1295.6	1307.0	1322.8	1322.8	1322.8	137.5°	369.0	368.0	367.0	367.0	364.0	363.5	363.2
1390.0	1418.6	1448.6	1461.5	1470.1	140°	390.0	389.5	389.0	388.0	386.0	385.5	385.2
1417.1	1458.6	1505.8	1537.3	1558.7	142.5°	412.0	411.0	410.0	410.0	407.0	407.5	407.8
1461.5	1508.7	1561.6	1597.3	1635.9	145°	434.0	433.0	432.0	431.0	428.0	428.0	428.0
1514.4	1555.9	1610.2	1658.8	1714.6	147.5°	454.0	453.5	453.0	452.0	448.0	447.5	447.2
1558.7	1613.1	1671.7	1734.6	1806.1	150°	471.0	470.5	470.0	469.0	465.0	464.5	464.2
1625.9	1683.1	1747.5	1831.9	1919.1	152.5°	487.0	486.5	486.0	485.0	482.0	482.5	482.8
1700.3	1761.8	1829.0	1913.4	2014.9	155°	504.0	503.5	503.0	503.0	501.0	501.5	501.8
1764.6	1819.0	1891.9	1979.1	2095.0	157.5°	519.0	519.0	519.0	519.0	516.0	516.5	516.8
1826.1	1876.2	1962.0	2050.6	2165.0	160°	532.0	532.0	532.0	532.0	529.0	529.0	529.0
1907.6	1946.3	2032.1	2133.6	2255.1	162.5°	542.0	541.5	541.0	541.0	538.0	538.5	538.8
1992.0	2044.9	2139.3	2255.1	2391.0	165°	553.0	552.5	552.0	552.0	548.0	548.5	548.8
2106.4	2169.3	2285.2	2416.7	2588.3	167.5°	560.0	560.0	560.0	561.0	558.0	558.5	558.8
2263.7	2329.5	2452.5	2599.8	2775.7	170°	565.0	565.5	566.0	567.0	565.0	565.5	565.8
2456.8	2521.1	2626.9	2772.8	2937.3	172.5°	569.0	568.5	568.0	569.0	567.0	568.0	568.5
2637.0	2725.6	2821.4	2930.1	3060.2	175°	573.0	572.5	572.0	572.0	569.0	569.5	569.8
2832.9	2901.5	2981.6	3023.1	3096.0	177.5°	577.0	577.0	577.0	578.0	574.0	574.5	574.8
2890.1	2947.3	3017.3	3017.3	3008.8	180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0
2721.3	2808.6	2870.0	2870.0	2797.1								
2366.7	2512.5	2572.6	2609.8	2516.8								
1923.4	2105.0	2203.7	2235.1	2066.4								
1411.4	1527.3	1540.1	1544.4	1317.0								
813.7	905.2	938.1	985.3	789.4								
471.9	506.2	562.0	582.0	480.5								
264.6	267.4	267.4	247.4	201.6								
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								
2.2	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°	999.6	999.6	999.6
149.0	148.5	148.0	147.5	2.5°	1075.4	1058.2	1061.1
172.0	171.5	171.0	170.5	5°	1059.6	1035.3	1026.8
196.0	195.8	195.5	195.2	7.5°	1005.3	963.8	951.0
221.0	220.8	220.5	220.2	10°	939.5	886.6	876.6
247.0	246.8	246.5	246.2	12.5°	902.3	842.3	829.4
270.0	269.8	269.5	269.2	15°	890.9	833.7	819.4
293.0	292.8	292.5	292.2	17.5°	925.2	863.7	846.6
317.0	316.2	315.5	314.8	20°	1003.9	930.9	910.9
339.0	338.5	338.0	337.5	22.5°	1121.1	1038.2	1013.9
363.0	362.2	361.5	360.8	25°	1279.9	1185.5	1161.2
385.0	384.5	384.0	383.5	27.5°	1442.9	1329.9	1298.5
408.0	407.5	407.0	406.5	30°	1537.3	1432.9	1401.4
428.0	427.5	427.0	426.5	32.5°	1633.1	1533.0	1495.8
447.0	446.2	445.5	444.8	35°	1734.6	1633.1	1595.9
464.0	463.5	463.0	462.5	37.5°	1853.3	1767.5	1734.6
483.0	482.2	481.5	480.8	40°	1994.9	1916.2	1869.0
502.0	501.5	501.0	500.5	42.5°	2112.1	2039.2	1994.9
517.0	516.5	516.0	515.5	45°	2197.9	2136.4	2090.7
529.0	528.5	528.0	527.5	47.5°	2276.6	2229.4	2183.6
539.0	538.2	537.5	536.8	50°	2375.3	2335.2	2303.8
549.0	548.5	548.0	547.5	52.5°	2508.3	2494.0	2466.8
559.0	558.2	557.5	556.8	55°	2704.2	2735.6	2697.0
566.0	565.2	564.5	563.8	57.5°	2890.1	2912.9	2895.8
569.0	568.2	567.5	566.8	60°	3035.9	3004.5	2983.0
570.0	569.8	569.5	569.2	62.5°	3110.3	3033.1	2997.3
575.0	574.5	574.0	573.5	65°	3114.6	2995.9	2941.5
576.0	576.0	576.0	576.0	67.5°	3017.3	2878.6	2815.7
				70°	2755.6	2595.5	2512.5
				72.5°	2315.2	2069.2	2013.5
				75°	1697.4	1395.7	1362.8
				77.5°	1028.2	802.2	759.3
				80°	579.2	460.5	446.2
				82.5°	328.9	258.8	273.1
				85°	134.4	67.2	74.4
				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)