

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: P227331

Luminaire Tested: **ISW-AF-1000-LED-E1-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227331
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-1000-LED-E1-SLR-8030
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4260.8 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U1 - G2

Input Watts (W): 54.6
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

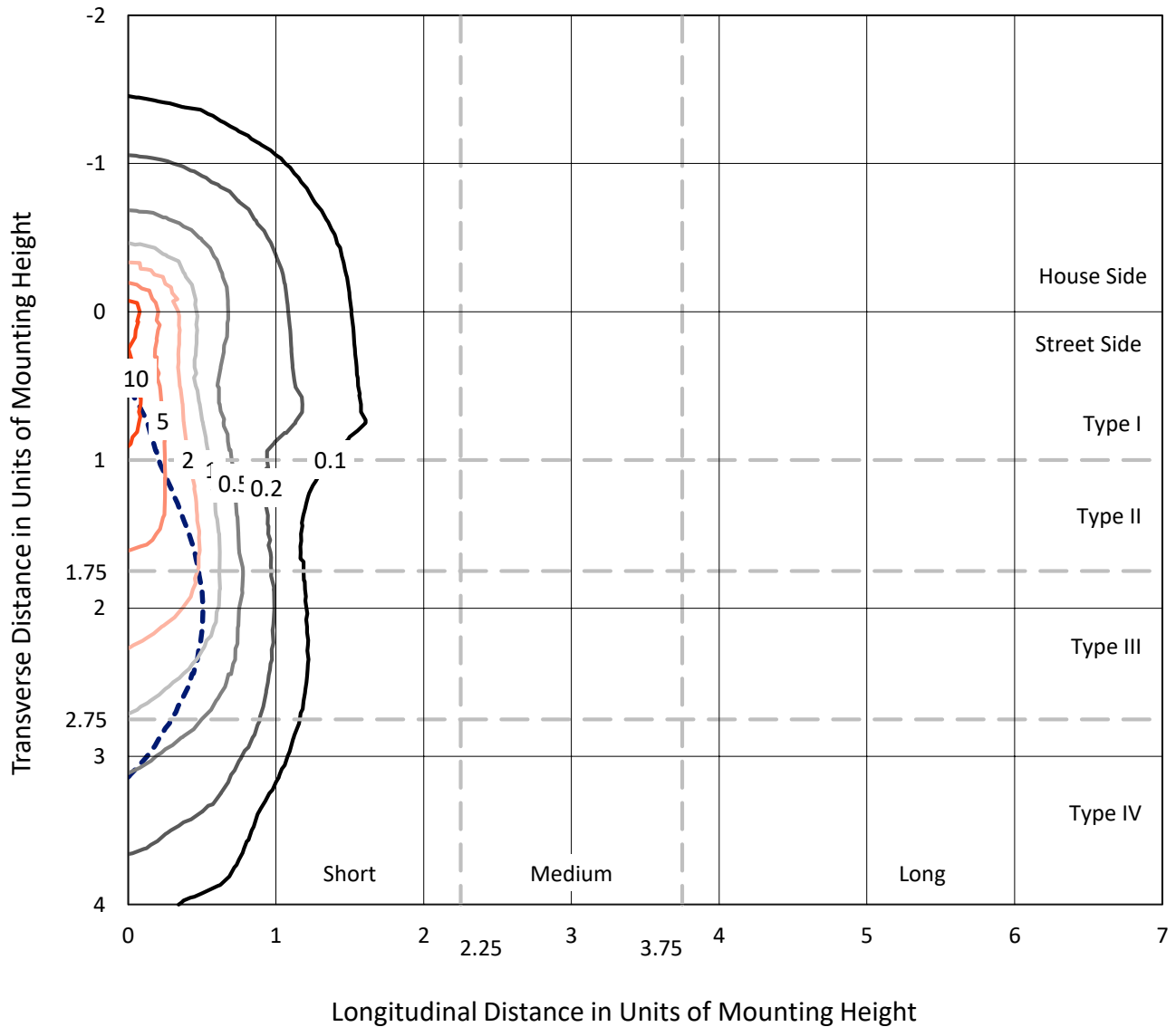


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Iso-Footcandle Lines of Horizontal Illumination

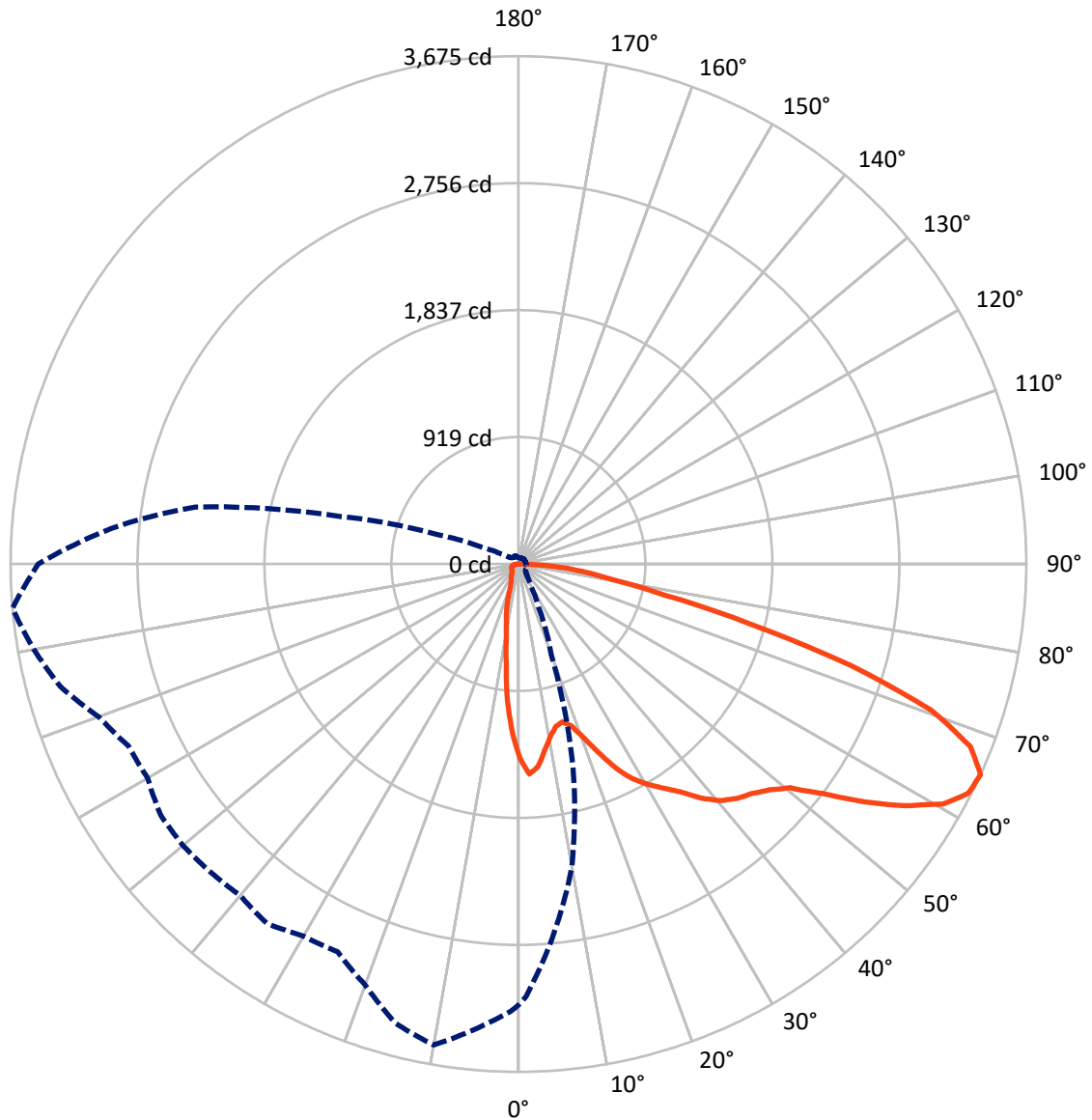
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	730.9	0.0	730.9
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	3529.7	0.2	3529.9
	% Fixture	82.8	0.0	82.8
Total	Lumens	4260.6	0.2	4260.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	2.4
10°-20°	200.7	4.7
20°-30°	286.1	6.7
30°-40°	415.1	9.7
40°-50°	593.8	13.9
50°-60°	911.7	21.4
60°-70°	1055.3	24.8
70°-80°	538.3	12.6
80°-90°	155.4	3.6
90°-100°	0.2	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4260.6	100.0
0°-180°	4260.8	100.0



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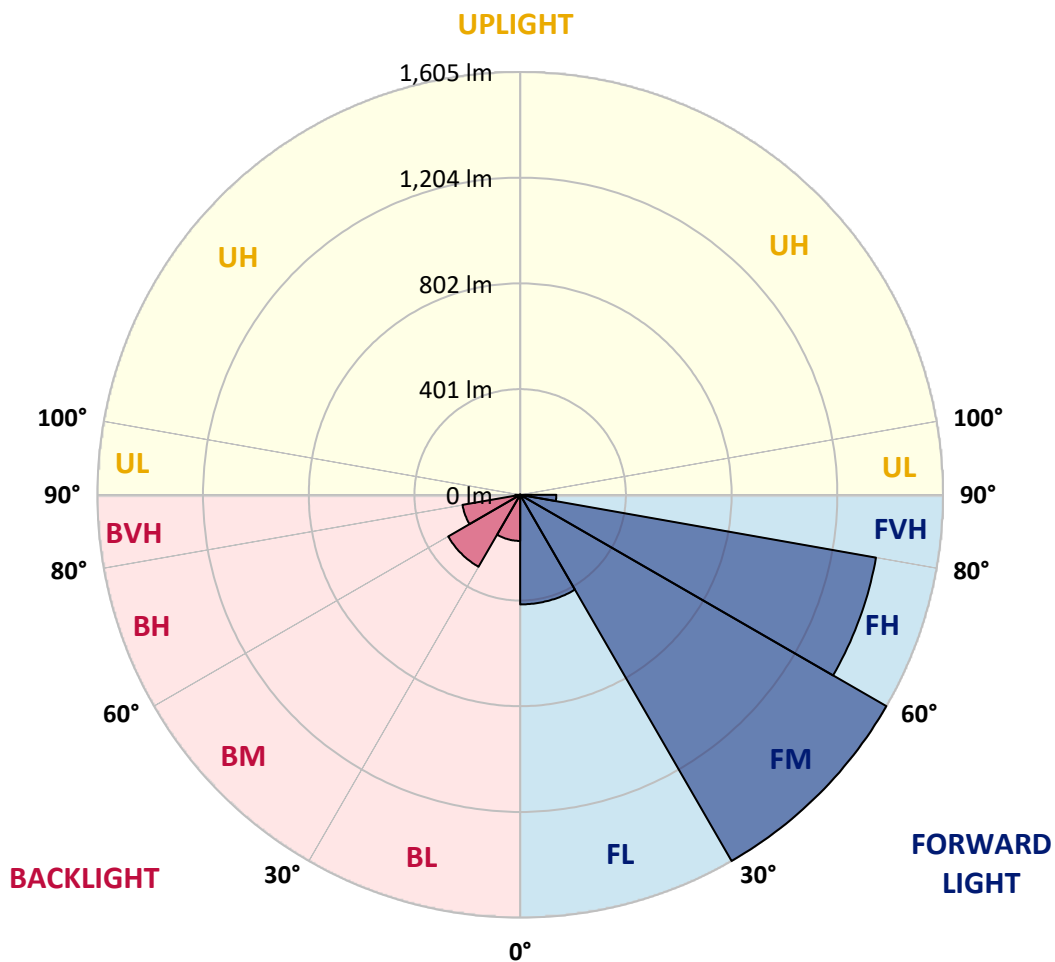
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	416.1	9.8			
FM	(30°-60°)	1605.0	37.7			
FH	(60°-80°)	1371.3	32.2			G1/1800
FVH	(80°-90°)	137.3	3.2			G2/225
BL	(0°-30°)	174.9	4.1	B1/500		
BM	(30°-60°)	315.6	7.4	B1/1000		
BH	(60°-80°)	222.3	5.2	B1/500		G1/500
BVH	(80°-90°)	18.1	0.4			G1/100
UL	(90°-100°)	0.2	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

BUG Rating: B1-U1-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1457.1	1448.5	1437.7	1419.1	1402.6	1378.9	1373.2	1343.8	1325.1	1329.4	1295.7
5°	1368.2	1363.1	1336.6	1295.0	1267.8	1214.0	1183.2	1167.4	1122.9	1117.2	1105.0
7.5°	1243.4	1228.3	1185.3	1133.7	1087.1	1047.6	998.1	960.1	926.4	905.6	869.1
10°	1136.5	1120.8	1074.2	1011.1	955.1	899.9	859.8	810.3	762.2	724.9	695.5
12.5°	1084.9	1067.7	1013.2	940.1	877.7	808.8	752.2	703.4	676.9	658.3	633.9
15°	1105.0	1079.9	1014.6	927.2	849.7	776.6	716.3	664.0	632.4	603.8	575.1
17.5°	1186.0	1155.2	1080.6	975.2	867.6	773.0	686.9	627.4	577.2	534.2	495.5
20°	1325.1	1302.2	1193.9	1046.2	906.4	775.1	661.8	583.7	522.7	468.2	416.6
22.5°	1487.9	1453.5	1347.4	1142.3	955.8	788.1	646.1	547.1	474.7	401.6	345.6
25°	1658.6	1632.0	1491.5	1271.3	1031.9	814.6	633.9	514.8	418.0	337.0	275.4
27.5°	1796.2	1772.6	1633.5	1395.4	1101.4	837.5	616.0	484.0	372.9	275.4	207.2
30°	1908.8	1888.7	1743.2	1497.2	1186.0	845.4	590.9	448.2	322.7	222.3	171.4
32.5°	2035.0	2012.8	1848.6	1568.2	1224.0	838.2	562.2	414.5	282.5	196.5	147.0
35°	2173.4	2147.6	1966.2	1644.9	1255.6	813.1	537.8	390.1	263.2	178.5	130.5
37.5°	2296.7	2280.3	2072.3	1720.9	1291.4	771.6	514.1	363.5	250.3	165.6	117.6
40°	2392.8	2388.5	2189.9	1784.0	1319.4	741.4	494.8	342.8	233.8	160.6	113.3
42.5°	2470.3	2468.8	2286.0	1840.7	1326.6	714.9	479.7	324.1	218.7	148.4	115.4
45°	2544.8	2544.1	2379.2	1919.6	1331.6	716.3	468.2	312.6	205.8	140.5	109.0
47.5°	2615.8	2626.6	2476.7	2029.3	1384.6	740.7	463.9	301.9	195.8	131.9	103.3
50°	2734.9	2724.1	2630.9	2177.7	1470.0	788.1	456.8	292.6	186.4	124.1	97.5
52.5°	2960.7	2948.6	2865.4	2376.3	1563.2	836.8	447.4	279.7	175.7	115.4	91.1
55°	3236.8	3253.3	3137.9	2618.0	1690.1	877.7	437.4	262.4	161.3	105.4	86.8
57.5°	3398.9	3385.2	3253.3	2757.1	1768.3	898.5	431.0	242.4	139.1	96.8	82.5
59°	3436.9	3413.9	3233.9	2780.8	1789.1	888.4	427.4	223.0	127.6	92.5	80.3
60°	3433.3	3405.3	3203.1	2765.7	1794.8	876.2	421.6	211.5	121.2	90.3	79.6
62.5°	3359.4	3315.7	3028.1	2583.6	1714.5	815.3	398.0	184.3	112.6	87.5	75.3
65°	3191.6	3130.0	2734.2	2227.9	1530.2	694.1	344.2	174.2	114.7	86.0	72.4
67.5°	2901.9	2852.5	2356.3	1843.6	1219.7	560.7	297.6	169.9	117.6	87.5	68.1
70°	2360.6	2318.3	1838.5	1380.3	913.5	446.0	270.3	167.8	115.4	83.9	64.5
72.5°	1665.0	1591.9	1221.9	966.6	579.4	358.5	234.5	158.5	112.6	81.0	58.8
75°	1013.2	1026.8	776.6	704.2	365.7	246.0	184.3	133.4	99.7	72.4	53.1
77.5°	668.3	667.6	572.9	496.9	185.7	152.7	130.5	102.5	78.2	59.5	45.9
80°	453.2	458.2	415.9	339.2	103.3	91.8	85.3	74.6	57.4	45.2	38.0
82.5°	278.9	279.7	322.0	253.8	68.8	58.1	54.5	50.2	40.9	35.1	29.4
85°	96.8	99.0	112.6	179.3	46.6	38.0	38.0	35.1	30.8	23.7	19.4
87.5°	41.6	40.9	48.8	48.8	22.9	19.4	17.9	17.9	17.2	12.9	10.8
90°	2.9	2.2	2.2	2.9	3.6	5.0	4.3	5.0	5.0	4.3	2.9
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1285.7	1277.8	1255.6	1249.8	1257.0	1242.7	1239.1	1235.5	1209.0	1222.6	1206.8
5°	1074.9	1072.7	1027.5	1036.9	1027.5	1011.8	1005.3	1020.4	993.8	999.6	1003.2
7.5°	826.1	817.4	787.3	767.3	755.1	744.3	730.7	708.5	725.7	722.1	749.3
10°	670.5	651.8	633.2	605.2	589.4	574.4	558.6	550.0	529.9	527.8	518.4
12.5°	614.5	588.0	564.3	539.9	523.5	493.3	468.2	452.5	439.6	419.5	404.4
15°	539.9	517.7	486.9	463.2	437.4	410.2	385.8	365.7	356.4	337.7	329.1
17.5°	464.7	431.0	393.7	370.0	334.2	306.2	286.1	273.2	259.6	248.1	238.1
20°	374.3	330.6	290.4	260.3	232.3	205.1	195.8	180.0	174.2	169.9	173.5
22.5°	284.7	239.5	197.9	175.0	159.9	152.7	144.8	142.0	139.8	139.1	140.5
25°	208.7	170.7	150.6	142.0	136.2	131.9	129.1	126.9	125.5	124.8	125.5
27.5°	161.3	141.3	131.2	125.5	121.2	118.3	116.9	114.7	114.0	113.3	114.0
30°	139.8	129.1	121.9	116.2	111.1	106.1	104.0	103.3	104.0	104.7	104.0
32.5°	121.9	114.0	106.1	101.1	97.5	94.7	94.7	93.2	93.2	95.4	96.1
35°	110.4	102.5	96.8	90.3	86.0	83.2	81.0	79.6	80.3	80.3	82.5
37.5°	101.1	95.4	90.3	84.6	80.3	77.4	76.0	74.6	73.9	73.1	73.1
40°	94.7	91.1	86.8	81.0	76.7	73.9	72.4	71.0	70.3	69.6	69.6
42.5°	94.7	87.5	84.6	79.6	74.6	71.7	69.6	68.1	66.7	66.7	66.7
45°	104.0	89.6	84.6	78.9	73.9	70.3	68.1	66.0	64.5	64.5	63.8
47.5°	101.1	100.4	86.0	78.9	74.6	70.3	67.4	65.3	63.8	63.1	62.4
50°	96.1	104.7	96.1	81.0	74.6	69.6	66.7	64.5	62.4	61.7	61.7
52.5°	93.2	97.5	99.7	83.9	75.3	69.6	66.0	63.8	62.4	61.0	60.2
55°	86.0	91.8	95.4	82.5	75.3	68.1	64.5	62.4	60.2	59.5	58.8
57.5°	78.9	83.2	91.8	82.5	73.1	67.4	63.1	60.2	58.8	58.1	57.4
59°	76.7	76.7	81.7	84.6	71.7	66.7	62.4	59.5	58.1	57.4	55.9
60°	74.6	74.6	77.4	86.8	71.0	66.0	61.7	58.8	56.6	56.6	55.9
62.5°	71.7	69.6	71.0	81.0	68.8	64.5	60.2	57.4	55.2	55.2	54.5
65°	68.1	65.3	65.3	67.4	64.5	61.7	58.8	55.9	53.1	53.1	53.8
67.5°	64.5	61.7	61.0	61.0	59.5	58.8	55.9	53.1	51.6	51.6	51.6
70°	59.5	57.4	56.6	55.2	55.2	54.5	52.3	50.2	48.8	49.5	48.8
72.5°	53.8	52.3	50.9	50.9	50.2	49.5	47.3	45.9	45.2	45.9	45.9
75°	48.0	45.9	45.9	44.5	44.5	43.7	41.6	40.9	40.2	40.9	41.6
77.5°	40.9	39.4	38.7	38.7	38.7	38.7	35.9	35.1	35.1	36.6	36.6
80°	33.7	33.0	32.3	32.3	32.3	31.6	30.1	29.4	29.4	30.1	30.8
82.5°	25.8	24.4	24.4	25.1	25.8	25.8	23.7	22.2	22.2	23.7	25.1
85°	17.2	17.2	17.2	17.9	17.9	18.6	17.2	15.1	15.8	16.5	18.6
87.5°	9.3	10.0	9.3	8.6	10.0	9.3	9.3	8.6	9.3	10.0	10.8
90°	2.9	2.9	2.2	1.4	0.7	1.4	1.4	2.2	0.7	0.7	1.4
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1221.2	1209.0	1202.5	1227.6	1225.5	1203.9	1203.9	1219.0	1219.7	1206.8	1221.9
5°	1007.5	995.3	1006.8	996.7	1002.5	1001.7	1010.3	994.6	1001.0	995.3	981.7
7.5°	747.2	771.6	784.5	768.0	788.8	799.5	784.5	799.5	775.9	756.5	775.1
10°	514.1	541.4	536.4	562.9	572.9	578.7	589.4	575.8	559.3	554.3	540.7
12.5°	398.7	392.9	390.8	401.6	408.0	398.7	406.6	398.0	389.4	374.3	373.6
15°	311.9	302.6	296.1	284.0	279.7	281.8	285.4	285.4	268.2	268.9	275.4
17.5°	236.6	234.5	229.5	219.4	213.0	215.1	214.4	210.8	208.7	210.1	218.0
20°	177.8	175.7	178.5	181.4	179.3	180.0	177.1	173.5	172.1	173.5	175.0
22.5°	140.5	143.4	147.0	151.3	152.0	155.6	154.9	155.6	152.7	151.3	147.7
25°	128.4	129.8	127.6	128.4	128.4	131.9	131.2	131.2	128.4	127.6	128.4
27.5°	113.3	112.6	112.6	114.0	114.0	116.2	117.6	116.2	113.3	112.6	113.3
30°	104.7	104.0	103.3	104.0	103.3	104.0	105.4	105.4	104.0	101.8	102.5
32.5°	96.1	96.1	95.4	96.1	95.4	95.4	96.8	94.7	94.7	93.9	93.9
35°	84.6	86.0	87.5	88.2	88.2	88.2	89.6	87.5	86.8	86.0	86.0
37.5°	73.1	74.6	78.9	81.0	81.7	83.2	83.9	82.5	81.0	79.6	78.2
40°	69.6	69.6	71.0	73.9	76.7	77.4	78.9	76.7	76.0	73.9	71.7
42.5°	66.7	67.4	67.4	68.1	68.8	70.3	72.4	70.3	68.8	67.4	65.3
45°	64.5	64.5	64.5	64.5	63.8	63.8	64.5	63.1	62.4	61.7	61.7
47.5°	63.1	62.4	61.7	61.0	60.2	59.5	59.5	58.1	58.1	58.1	58.1
50°	61.7	60.2	59.5	58.8	57.4	57.4	57.4	55.9	55.2	55.2	55.9
52.5°	59.5	58.8	58.1	57.4	56.6	55.9	55.9	54.5	53.8	53.8	53.8
55°	58.8	58.1	56.6	55.9	55.2	55.9	55.2	54.5	53.1	53.1	53.1
57.5°	56.6	57.4	56.6	55.2	55.2	55.2	55.2	53.8	53.1	51.6	52.3
59°	55.9	56.6	55.9	55.2	54.5	55.2	55.2	53.1	52.3	51.6	51.6
60°	55.2	55.9	55.2	54.5	54.5	55.2	54.5	53.8	52.3	50.2	50.9
62.5°	54.5	54.5	53.8	53.8	53.1	53.8	53.1	51.6	50.2	48.8	48.0
65°	53.1	53.1	52.3	52.3	51.6	51.6	51.6	50.2	48.8	47.3	47.3
67.5°	52.3	51.6	50.9	50.9	50.2	50.2	50.2	48.8	46.6	45.9	45.2
70°	49.5	48.8	48.8	48.0	47.3	48.0	48.8	46.6	44.5	43.0	42.3
72.5°	46.6	45.9	45.9	45.2	45.2	45.9	46.6	44.5	41.6	40.2	39.4
75°	42.3	41.6	41.6	41.6	41.6	43.0	43.0	40.9	38.7	36.6	35.1
77.5°	36.6	37.3	37.3	37.3	37.3	38.7	38.7	37.3	35.1	33.7	31.6
80°	31.6	31.6	32.3	32.3	33.0	33.0	32.3	31.6	30.8	29.4	26.5
82.5°	26.5	26.5	26.5	26.5	26.5	25.8	24.4	25.8	25.8	24.4	22.2
85°	20.8	20.8	20.8	21.5	21.5	19.4	17.2	17.2	19.4	18.6	17.2
87.5°	12.2	12.2	12.9	15.1	13.6	12.9	10.8	11.5	10.8	12.2	10.0
90°	2.9	2.2	2.2	0.7	1.4	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°



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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	110°	0.0
1223.3	1226.2	1232.6	1230.5	1254.1	1247.0	1263.5	1285.7	1306.5	1296.4	1299.3	112.5°	0.0
1006.0	1009.6	982.4	998.9	1023.2	1013.2	1009.6	1042.6	1034.7	1072.0	1041.2	115°	0.0
745.0	736.4	723.5	717.1	699.1	699.1	732.8	747.9	745.7	771.6	798.1	117.5°	0.0
523.5	513.4	497.6	493.3	511.3	519.9	534.9	550.0	570.1	599.5	616.7	120°	0.0
384.3	380.8	384.3	395.1	411.6	423.8	446.7	473.3	495.5	519.2	542.1	122.5°	0.0
290.4	297.6	306.9	314.1	327.0	349.9	362.1	391.5	411.6	432.4	458.9	125°	0.0
225.9	230.2	232.3	235.2	246.0	262.4	262.4	292.6	319.1	346.3	368.6	127.5°	0.0
172.1	172.1	164.9	169.2	170.7	169.2	177.8	195.0	212.3	230.2	265.3	130°	0.0
144.1	139.8	137.7	137.0	137.7	140.5	145.6	152.0	154.9	162.8	176.4	132.5°	0.0
127.6	126.9	124.8	124.8	126.2	126.9	131.9	137.7	139.1	141.3	146.3	135°	0.0
112.6	114.0	116.2	115.4	116.2	117.6	121.2	126.2	129.1	129.8	133.4	137.5°	0.0
101.8	103.3	104.0	106.1	106.1	106.8	109.7	114.7	116.9	120.5	124.1	140°	0.0
94.7	95.4	96.1	95.4	96.1	96.1	99.7	104.7	107.6	109.7	111.9	142.5°	0.0
86.8	86.0	86.0	86.0	83.9	83.2	84.6	89.6	90.3	92.5	97.5	145°	0.0
77.4	75.3	73.9	73.9	73.9	74.6	78.2	83.2	83.9	86.0	90.3	147.5°	0.0
68.8	68.1	68.1	68.8	69.6	71.0	73.9	78.9	79.6	81.7	85.3	150°	0.0
64.5	64.5	64.5	65.3	66.0	66.7	70.3	75.3	76.7	78.9	83.2	152.5°	0.0
61.7	62.4	61.7	61.7	62.4	63.8	67.4	73.1	75.3	77.4	81.7	155°	0.0
59.5	59.5	59.5	60.2	60.2	61.7	66.0	71.7	73.1	76.0	82.5	157.5°	0.0
56.6	58.1	57.4	58.1	58.8	60.2	64.5	70.3	72.4	76.7	83.9	160°	0.0
55.2	55.2	55.2	55.9	57.4	58.1	61.7	68.1	71.0	76.7	88.2	162.5°	0.0
54.5	53.1	53.1	53.8	55.2	56.6	60.2	66.7	70.3	76.0	87.5	165°	0.0
53.8	51.6	50.9	51.6	53.1	53.8	58.1	64.5	69.6	73.9	84.6	167.5°	0.0
51.6	50.2	49.5	50.2	51.6	53.1	56.6	63.1	66.7	72.4	81.0	170°	0.0
50.9	48.8	48.8	49.5	50.9	51.6	55.2	61.7	65.3	73.1	83.2	172.5°	0.0
48.0	47.3	47.3	48.0	48.0	49.5	53.8	60.2	63.1	74.6	69.6	175°	0.0
45.9	45.9	45.9	45.9	46.6	47.3	52.3	58.8	60.2	64.5	59.5	177.5°	0.0
44.5	44.5	44.5	44.5	44.5	45.9	50.2	56.6	57.4	56.6	54.5	180°	0.0
41.6	41.6	41.6	41.6	42.3	43.0	47.3	53.1	53.1	51.6	51.6		
39.4	38.7	38.7	38.7	38.7	39.4	43.7	49.5	48.8	48.0	48.0		
35.1	35.1	35.1	35.1	35.1	35.1	39.4	45.2	44.5	43.7	43.0		
30.8	30.8	31.6	30.8	30.1	29.4	33.7	40.2	40.2	39.4	38.7		
26.5	25.8	26.5	25.8	24.4	24.4	28.0	33.7	34.4	33.7	32.3		
21.5	20.8	20.8	20.8	17.9	17.9	21.5	27.2	27.2	26.5	25.1		
16.5	15.8	15.1	14.3	12.2	12.2	15.1	20.1	20.8	17.9	17.2		
8.6	8.6	8.6	6.5	5.7	5.0	7.9	12.2	12.2	10.0	8.6		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

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 ISW-AF-1000-LED-E1-SLR-8030

REPORT NUMBER: P227331
 CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-8030

TION (continued):

CANDELA DISTRIBUTION (con

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		215°	220°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1407.6	1407.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1317.2	1323.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1064.1	1089.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	804.5	838.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	644.6	667.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	565.8	598.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	485.5	521.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	398.0	441.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	304.0	347.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	213.7	250.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	155.6	172.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	138.4	144.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	129.8	134.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	116.9	121.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	102.5	108.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	95.4	99.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	91.1	91.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	87.5	87.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	85.3	87.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	86.8	96.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	97.5	94.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	99.7	88.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	91.1	85.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	81.7	74.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	73.1	68.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	68.1	66.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	62.4	63.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	58.1	61.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	55.9	58.1
										70°	52.3	53.8
										72.5°	48.8	49.5
										75°	43.7	44.5
										77.5°	38.7	38.7
										80°	31.6	31.6
										82.5°	24.4	23.7
										85°	15.8	15.1
										87.5°	7.2	5.7
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	0.0	0.0
										97.5°	0.0	0.0
										100°	0.0	0.0
										102.5°	0.0	0.0
										105°	0.0	0.0
										107.5°	0.0	0.0



REPORT NUMBER: P227331

CATALOG NUMBER: ISW-AF-1000-LED-E:

000-LED-E1-SLR-8030

<u>tinued):</u>										<u>CANDELA DISTRIBUTION (continued):</u>		
225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	110°	0.0	0.0	0.0
1356.0	1376.0	1391.8	1388.9	1422.6	1442.7	1445.6	1466.4	1486.5	112.5°	0.0	0.0	0.0
1109.3	1137.3	1164.5	1184.6	1237.6	1281.4	1315.1	1350.9	1393.2	115°	0.0	0.0	0.0
884.1	907.8	952.3	984.5	1040.5	1091.4	1140.8	1197.5	1245.5	117.5°	0.0	0.0	0.0
692.7	722.8	764.4	824.6	874.8	932.9	995.3	1049.1	1129.4	120°	0.0	0.0	0.0
622.4	641.1	675.5	704.2	766.5	828.2	898.5	972.3	1046.2	122.5°	0.0	0.0	0.0
550.0	583.0	615.2	656.8	711.3	778.7	854.7	934.3	1017.5	125°	0.0	0.0	0.0
479.7	523.5	558.6	603.8	664.7	750.0	849.0	948.0	1045.5	127.5°	0.0	0.0	0.0
393.7	434.5	496.2	542.1	621.7	728.5	855.5	992.4	1124.4	130°	0.0	0.0	0.0
309.8	353.5	423.8	491.9	579.4	717.1	881.3	1065.6	1241.9	132.5°	0.0	0.0	0.0
221.6	281.1	350.6	436.7	542.8	709.9	916.4	1155.9	1393.2	135°	0.0	0.0	0.0
165.6	207.2	291.8	385.8	501.9	697.0	953.7	1239.8	1496.5	137.5°	0.0	0.0	0.0
147.7	177.1	232.3	331.3	451.7	671.9	981.7	1319.4	1590.4	140°	0.0	0.0	0.0
129.1	152.0	195.8	279.7	406.6	633.2	993.8	1361.7	1655.7	142.5°	0.0	0.0	0.0
113.3	134.8	179.3	259.6	383.6	589.4	991.7	1404.0	1737.4	145°	0.0	0.0	0.0
103.3	121.9	172.1	254.6	365.7	549.3	993.8	1472.1	1858.6	147.5°	0.0	0.0	0.0
95.4	116.9	166.4	243.8	357.1	527.0	1002.5	1532.4	1962.6	150°	0.0	0.0	0.0
95.4	115.4	152.0	228.7	352.8	529.2	1006.0	1579.0	2040.0	152.5°	0.0	0.0	0.0
100.4	108.3	141.3	220.1	355.7	545.0	1001.7	1626.3	2115.3	155°	0.0	0.0	0.0
95.4	101.1	134.1	218.7	355.7	556.4	1014.6	1685.1	2214.3	157.5°	0.0	0.0	0.0
90.3	93.9	131.9	216.6	348.5	567.2	1067.7	1794.8	2343.4	160°	0.0	0.0	0.0
83.9	88.2	129.1	213.0	340.6	580.8	1161.6	1979.1	2557.0	162.5°	0.0	0.0	0.0
76.0	84.6	124.8	207.2	335.6	605.2	1257.7	2165.5	2811.6	165°	0.0	0.0	0.0
73.1	81.0	114.7	193.6	330.6	631.7	1360.3	2344.1	3040.3	167.5°	0.0	0.0	0.0
71.0	78.2	106.1	183.6	326.3	644.6	1391.1	2412.2	3128.5	170°	0.0	0.0	0.0
69.6	76.7	101.1	175.0	321.2	645.4	1413.3	2438.0	3141.4	172.5°	0.0	0.0	0.0
67.4	73.9	91.1	157.0	305.5	644.6	1415.5	2454.5	3104.2	175°	0.0	0.0	0.0
63.8	71.0	91.8	147.7	276.8	614.5	1326.6	2374.9	2955.7	177.5°	0.0	0.0	0.0
61.0	68.8	96.8	149.9	246.7	537.1	1160.2	2127.5	2638.1	180°	0.0	0.0	0.0
56.6	67.4	101.1	154.9	238.1	446.0	877.7	1737.4	2209.3				
52.3	66.7	104.7	158.5	228.7	367.1	608.1	1231.9	1653.5				
47.3	61.0	95.4	134.8	189.3	266.7	391.5	806.0	1140.1				
40.9	48.8	69.6	94.7	139.1	186.4	231.6	486.9	745.7				
33.7	36.6	49.5	61.0	92.5	110.4	128.4	274.6	521.3				
25.1	25.8	33.7	38.7	52.3	61.0	76.7	168.5	422.3				
14.3	16.5	22.9	25.8	31.6	38.7	50.2	107.6	331.3				
5.7	7.2	13.6	15.1	17.2	21.5	28.0	62.4	103.3				
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	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				



REPORT NUMBER: P227331

CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-803C

1-SLR-8030

CANDELA DISTRIBUTION (continued):

230°	235°	240°	245°	250°	255°	260°	265°		270°	275°	280°	285°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1407.6	1407.6	1407.6	1407.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1506.5	1521.6	1534.5	1544.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1438.4	1473.6	1515.9	1551.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1317.2	1361.7	1430.5	1472.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	1202.5	1267.8	1343.1	1404.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1124.4	1205.4	1277.1	1345.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	1102.8	1185.3	1249.8	1312.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1145.9	1228.3	1283.5	1321.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	1247.0	1335.2	1370.3	1367.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1385.4	1477.9	1477.9	1449.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	1568.2	1634.9	1598.3	1543.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	1698.0	1760.4	1696.6	1606.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	1805.6	1851.5	1770.4	1662.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	1900.2	1933.9	1827.1	1720.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	2013.5	2025.7	1885.9	1771.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	2139.0	2149.0	1970.5	1828.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	2286.7	2250.9	2032.9	1880.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	2377.8	2319.0	2078.0	1908.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	2449.5	2369.2	2098.8	1923.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	2537.7	2443.0	2135.4	1952.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	2653.8	2545.6	2227.9	2033.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	2891.9	2757.8	2394.3	2174.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	3165.8	3038.9	2660.3	2407.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	3385.2	3299.9	2897.6	2618.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	3466.3	3429.7	3065.4	2797.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	3496.4	3527.9	3154.4	2906.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	3517.2	3654.1	3443.3	3231.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	3474.2	3674.9	3560.2	3430.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	3287.0	3527.2	3505.0	3391.0
								70°	2904.1	3171.6	3249.0	3086.9
								72.5°	2184.9	2516.9	2939.2	2685.4
								75°	1423.4	1730.3	2509.7	2300.3
								77.5°	891.3	1079.9	1790.5	1611.2
								80°	593.0	694.1	1136.5	1034.7
								82.5°	446.0	491.9	781.6	735.0
								85°	235.2	299.7	608.1	770.8
								87.5°	88.2	98.2	457.5	689.1
								90°	0.0	0.0	0.7	0.0
								92.5°	0.0	0.0	0.0	0.0
								95°	0.0	0.0	0.0	0.0
								97.5°	0.0	0.0	0.0	0.0
								100°	0.0	0.0	0.0	0.0
								102.5°	0.0	0.0	0.0	0.0
								105°	0.0	0.0	0.0	0.0
								107.5°	0.0	0.0	0.0	0.0



REPORT NUMBER: P227331

CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	110°	0.0	0.0	0.0	0.0	0.0
1553.2	1566.1	1573.9	1568.2	1577.5	1579.7	1569.6	112.5°	0.0	0.0	0.0	0.0	0.0
1581.8	1617.7	1643.5	1661.4	1668.6	1675.1	1672.2	115°	0.0	0.0	0.0	0.0	0.0
1528.8	1584.0	1632.0	1665.0	1676.5	1685.1	1677.2	117.5°	0.0	0.0	0.0	0.0	0.0
1470.0	1527.3	1572.5	1605.5	1604.8	1613.4	1598.3	120°	0.0	0.0	0.0	0.0	0.0
1414.8	1470.7	1510.8	1509.4	1499.4	1474.3	1470.0	122.5°	0.0	0.0	0.0	0.0	0.0
1371.0	1400.4	1410.5	1408.3	1379.6	1365.3	1363.1	125°	0.0	0.0	0.0	0.0	0.0
1349.5	1348.1	1325.1	1300.0	1272.8	1271.3	1252.7	127.5°	0.0	0.0	0.0	0.0	0.0
1353.1	1306.5	1264.2	1221.2	1191.8	1185.3	1187.5	130°	0.0	0.0	0.0	0.0	0.0
1398.3	1315.8	1236.2	1192.5	1158.1	1148.0	1152.3	132.5°	0.0	0.0	0.0	0.0	0.0
1454.9	1344.5	1245.5	1178.8	1150.9	1138.7	1140.8	135°	0.0	0.0	0.0	0.0	0.0
1492.9	1377.5	1276.4	1193.9	1155.9	1144.4	1151.6	137.5°	0.0	0.0	0.0	0.0	0.0
1541.7	1422.6	1318.0	1232.6	1176.0	1160.9	1165.9	140°	0.0	0.0	0.0	0.0	0.0
1589.7	1471.4	1376.8	1280.0	1211.1	1183.2	1191.0	142.5°	0.0	0.0	0.0	0.0	0.0
1641.4	1528.1	1432.7	1344.5	1263.5	1219.7	1229.8	145°	0.0	0.0	0.0	0.0	0.0
1701.6	1594.0	1512.3	1431.3	1348.1	1311.5	1315.8	147.5°	0.0	0.0	0.0	0.0	0.0
1759.7	1658.6	1606.2	1546.0	1497.2	1441.3	1441.3	150°	0.0	0.0	0.0	0.0	0.0
1794.1	1742.5	1728.1	1710.9	1682.2	1642.1	1633.5	152.5°	0.0	0.0	0.0	0.0	0.0
1836.4	1842.1	1875.1	1909.5	1918.1	1878.7	1866.5	155°	0.0	0.0	0.0	0.0	0.0
1916.0	1976.2	2084.5	2178.4	2197.1	2229.3	2192.1	157.5°	0.0	0.0	0.0	0.0	0.0
2027.8	2139.0	2321.8	2475.3	2519.0	2521.9	2524.8	160°	0.0	0.0	0.0	0.0	0.0
2155.5	2314.7	2556.3	2739.2	2817.3	2838.1	2823.1	162.5°	0.0	0.0	0.0	0.0	0.0
2374.2	2518.3	2782.9	2980.1	3080.5	3129.3	3116.3	165°	0.0	0.0	0.0	0.0	0.0
2590.7	2770.0	3003.1	3197.4	3304.2	3358.7	3370.2	167.5°	0.0	0.0	0.0	0.0	0.0
2738.5	2906.2	3121.4	3300.6	3406.0	3471.3	3477.0	170°	0.0	0.0	0.0	0.0	0.0
2828.8	2982.3	3192.4	3350.1	3455.5	3510.7	3530.8	172.5°	0.0	0.0	0.0	0.0	0.0
3102.7	3130.7	3274.1	3378.1	3451.9	3477.0	3492.1	175°	0.0	0.0	0.0	0.0	0.0
3231.1	3114.2	3097.7	3162.2	3168.7	3152.2	3131.4	177.5°	0.0	0.0	0.0	0.0	0.0
3052.5	2779.3	2678.2	2669.6	2643.1	2632.3	2566.4	180°	0.0	0.0	0.0	0.0	0.0
2651.0	2257.3	2078.8	1982.0	2040.8	2038.6	1971.2						
2233.6	1832.8	1601.2	1462.1	1444.9	1442.0	1383.2						
1814.2	1438.4	1235.5	1168.1	1087.1	1062.7	1072.7						
1307.9	1026.8	983.8	1035.4	1041.9	1023.2	1010.3						
823.9	772.3	813.9	907.8	963.0	938.6	948.0						
686.9	608.1	610.9	709.9	747.2	752.9	733.6						
762.2	608.8	499.1	486.9	474.0	298.3	415.2						
686.9	471.1	277.5	228.7	140.5	81.0	83.9						
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	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						



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CANDELA DISTRIBUTION (continued):

295°	300°	305°	310°	315°	320°		325°	330°	335°	340°	345°	350°
0.0	0.0	0.0	0.0	0.0	0.0	0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1567.5	1553.9	1538.8	1518.7	1522.3	1497.9
0.0	0.0	0.0	0.0	0.0	0.0	5°	1650.0	1626.3	1594.0	1553.2	1515.2	1466.4
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1641.4	1603.3	1549.6	1487.9	1437.7	1367.4
0.0	0.0	0.0	0.0	0.0	0.0	10°	1567.5	1518.0	1474.3	1410.5	1345.2	1283.5
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1464.2	1436.3	1398.3	1350.2	1287.1	1224.0
0.0	0.0	0.0	0.0	0.0	0.0	15°	1351.7	1353.8	1330.9	1318.0	1286.4	1236.2
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1259.2	1280.7	1292.9	1312.9	1316.5	1292.1
0.0	0.0	0.0	0.0	0.0	0.0	20°	1197.5	1227.6	1265.6	1320.8	1378.9	1404.0
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1163.1	1200.4	1261.3	1361.7	1467.8	1531.6
0.0	0.0	0.0	0.0	0.0	0.0	25°	1156.6	1206.1	1291.4	1414.0	1551.7	1641.4
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	1167.4	1231.9	1333.0	1472.8	1608.4	1738.2
0.0	0.0	0.0	0.0	0.0	0.0	30°	1201.8	1277.1	1387.5	1538.1	1678.6	1807.7
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	1234.8	1328.0	1449.9	1596.9	1738.2	1866.5
0.0	0.0	0.0	0.0	0.0	0.0	35°	1287.8	1381.8	1506.5	1642.1	1779.0	1924.6
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	1368.9	1451.3	1551.0	1677.2	1819.9	1970.5
0.0	0.0	0.0	0.0	0.0	0.0	40°	1484.3	1538.8	1603.3	1703.0	1840.0	2001.3
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	1657.1	1668.6	1690.8	1742.5	1857.9	2037.2
0.0	0.0	0.0	0.0	0.0	0.0	45°	1880.1	1845.7	1826.4	1819.2	1898.1	2060.1
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	2139.0	2071.6	1994.1	1956.9	1975.5	2096.7
0.0	0.0	0.0	0.0	0.0	0.0	50°	2476.0	2366.3	2214.3	2106.7	2097.4	2204.2
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	2785.1	2641.7	2450.2	2323.3	2271.6	2405.0
0.0	0.0	0.0	0.0	0.0	0.0	55°	3076.9	2966.5	2749.9	2592.2	2574.2	2671.1
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	3332.9	3237.5	3060.4	2854.6	2861.8	2955.7
0.0	0.0	0.0	0.0	0.0	0.0	59°	3465.6	3386.0	3221.8	3012.4	3028.1	3157.2
0.0	0.0	0.0	0.0	0.0	0.0	60°	3512.9	3446.2	3289.9	3113.5	3133.6	3267.6
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	3509.3	3466.3	3353.0	3269.8	3372.3	3470.6
0.0	0.0	0.0	0.0	0.0	0.0	65°	3174.4	3109.2	3096.3	3241.8	3439.7	3534.4
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	2524.8	2555.6	2678.2	2928.5	3260.5	3398.2
						70°	1875.1	1929.6	2093.1	2407.2	2863.2	3101.3
						72.5°	1378.9	1433.4	1584.0	1928.2	2355.5	2566.4
						75°	1082.0	1098.5	1206.8	1477.1	1856.5	2029.3
						77.5°	999.6	950.1	905.6	1050.5	1252.0	1400.4
						80°	930.7	836.8	732.1	775.9	824.6	982.4
						82.5°	722.8	660.4	578.7	634.6	657.5	662.6
						85°	423.1	376.5	476.8	675.5	668.3	585.1
						87.5°	149.1	193.6	218.0	374.3	452.5	391.5
						90°	0.0	2.2	6.5	7.2	10.8	3.6
						92.5°	0.0	0.0	0.0	0.0	0.0	0.0
						95°	0.0	0.0	0.0	0.0	0.0	0.0
						97.5°	0.0	0.0	0.0	0.0	0.0	0.0
						100°	0.0	0.0	0.0	0.0	0.0	0.0
						102.5°	0.0	0.0	0.0	0.0	0.0	0.0
						105°	0.0	0.0	0.0	0.0	0.0	0.0
						107.5°	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
1407.6	1407.6	1407.6	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1478.6	1458.5	1457.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1427.7	1382.5	1368.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1306.5	1254.1	1243.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1204.7	1146.6	1136.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1152.3	1097.1	1084.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1172.4	1111.4	1105.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1247.7	1183.2	1186.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1376.8	1335.2	1325.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1546.0	1500.8	1487.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1690.1	1667.2	1658.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1794.1	1804.8	1796.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1877.3	1913.1	1908.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1962.6	2032.2	2035.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025.7	2148.3	2173.4	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2106.7	2270.9	2296.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2168.4	2361.3	2392.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2228.6	2435.9	2470.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2278.1	2509.7	2544.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2334.0	2581.4	2615.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2434.4	2694.0	2734.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2650.3	2902.7	2960.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2962.2	3190.9	3236.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3243.3	3386.7	3398.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3358.7	3440.5	3436.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3443.3	3453.4	3433.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3489.2	3393.8	3359.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3369.5	3236.8	3191.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3023.8	2953.6	2901.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2572.1	2394.3	2360.6								
1949.7	1715.2	1665.0								
1362.4	1081.3	1013.2								
895.6	694.1	668.3								
580.8	461.1	453.2								
405.1	302.6	278.9								
248.8	101.1	96.8								
77.4	46.6	41.6								
2.2	2.9	2.9								
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								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								

