

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: INVUE

Report Number: P181118

Luminaire Tested: **ICS-E01-LED-E1-SLR**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181118  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-E01-LED-E1-SLR  
Description: ICON SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

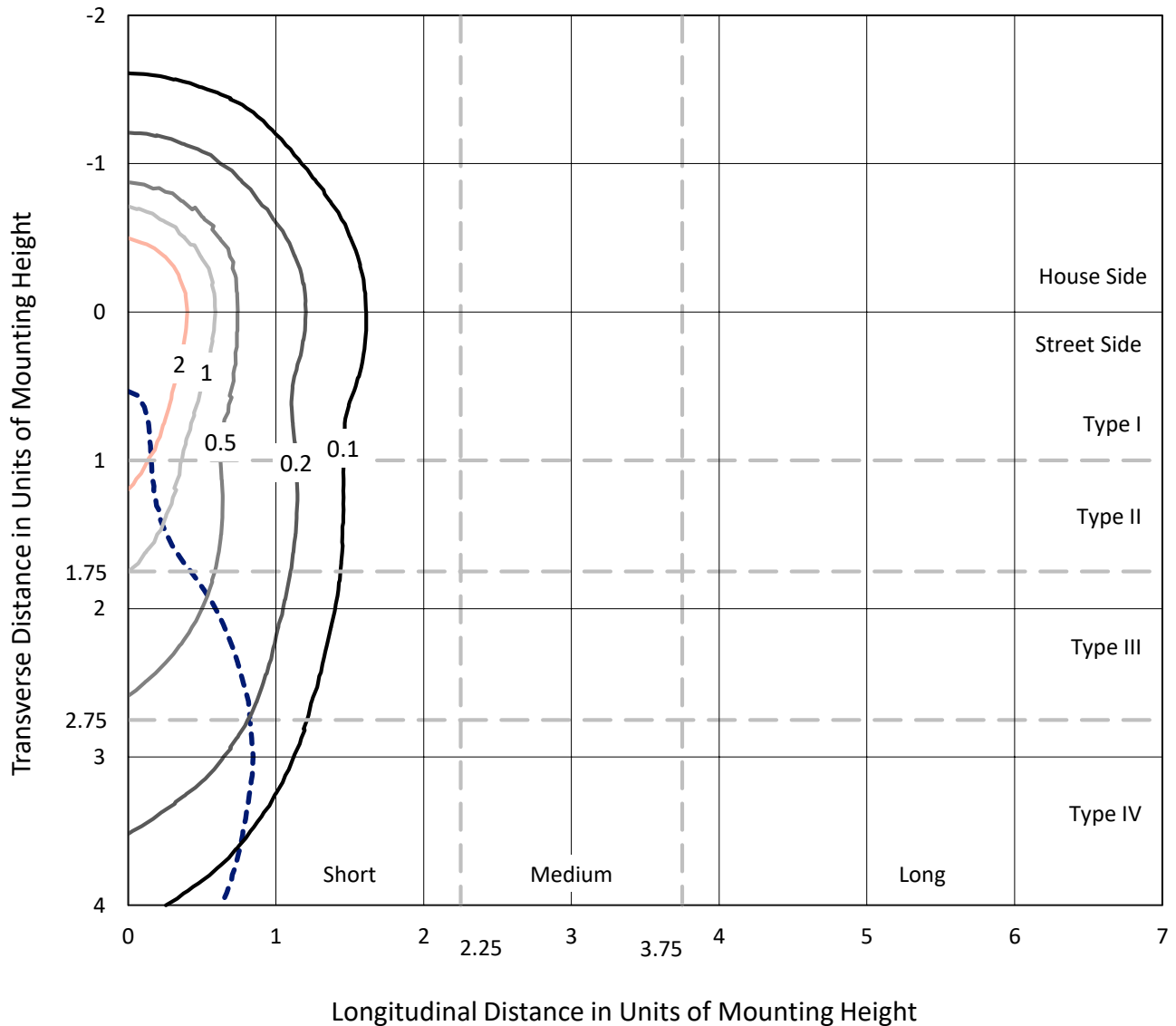
Lumens per Lamp: N/A  
Luminaire Lumens: 2504.3 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

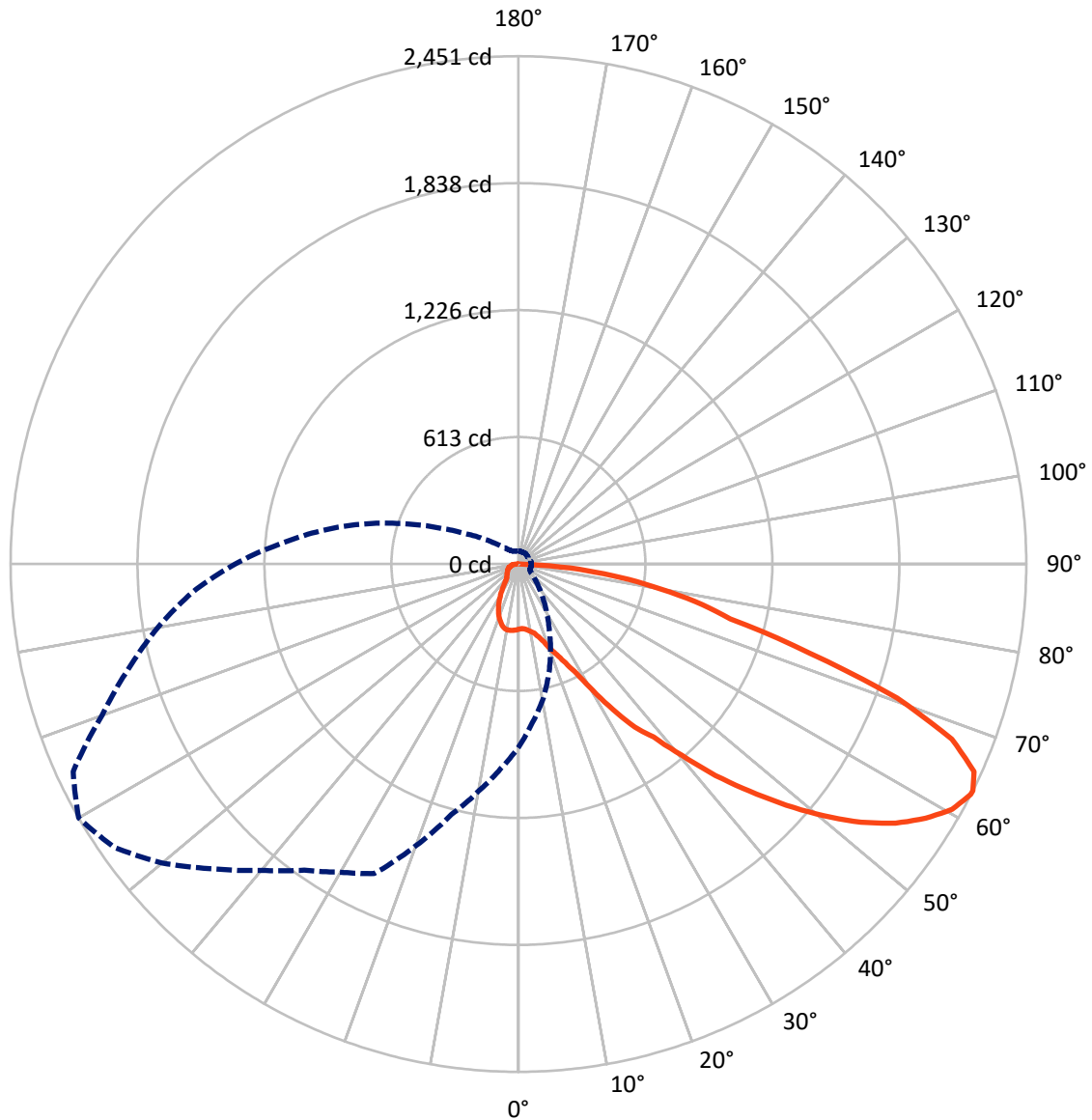
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

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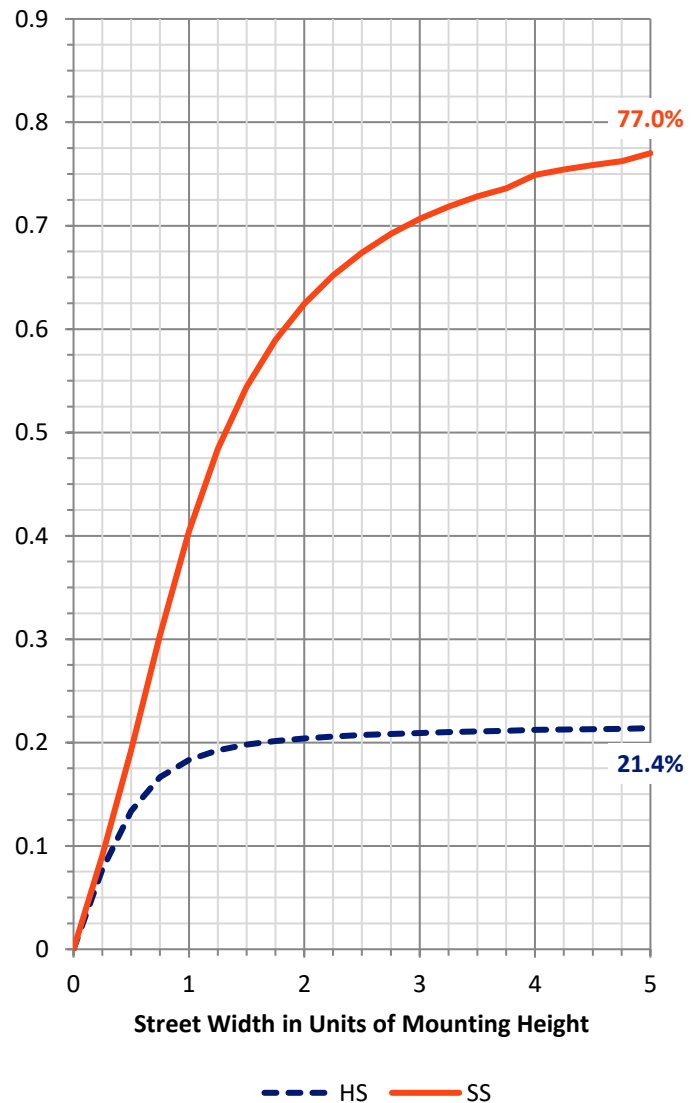
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	543.0	0.0	543.0
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	1961.3	0.0	1961.3
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	2504.3	0.0	2504.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.6	1.2
10°-20°	95.4	3.8
20°-30°	169.5	6.8
30°-40°	266.9	10.7
40°-50°	392.8	15.7
50°-60°	521.8	20.8
60°-70°	574.8	23.0
70°-80°	360.6	14.4
80°-90°	91.8	3.7
90°-100°	0.0	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°	2504.3	100.0
0°-180°	2504.3	100.0



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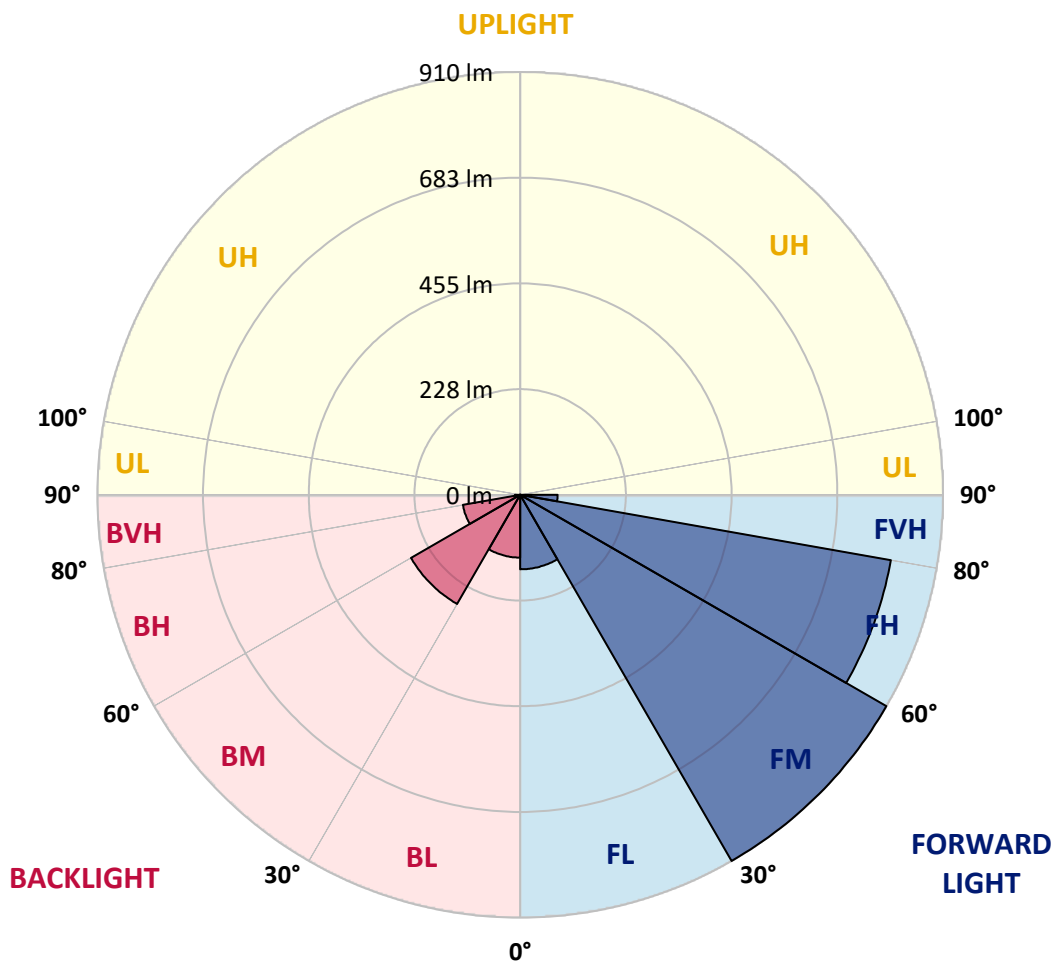
CATALOG NUMBER: ICS-E01-LED-E1-SLR

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.3	6.4			
FM (30°-60°)	910.1	36.3			
FH (60°-80°)	810.2	32.4			G1/1800
FVH (80°-90°)	80.6	3.2			G1/100
BL (0°-30°)	135.2	5.4	B1/500		
BM (30°-60°)	271.4	10.8	B1/1000		
BH (60°-80°)	125.2	5.0	B1/500		G1/500
BVH (80°-90°)	11.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7
2.5°	310.5	311.4	311.1	311.1	311.7	311.4	311.4	311.7	311.7	312.6	313.8
5°	308.1	307.8	307.2	307.8	307.8	307.8	306.6	307.5	307.8	308.4	308.4
7.5°	311.1	310.2	309.0	309.3	309.3	308.7	307.8	308.1	307.8	307.8	307.5
10°	315.0	312.9	311.4	311.4	311.4	310.8	309.3	310.2	310.2	309.9	310.2
12.5°	321.9	319.5	317.7	317.1	317.1	316.2	315.0	316.2	315.6	315.6	315.0
15°	333.3	330.6	328.5	326.7	327.0	327.0	325.5	324.6	323.4	321.9	318.9
17.5°	350.4	347.4	344.7	343.2	343.5	341.4	337.2	333.0	327.3	321.6	315.3
20°	374.7	373.8	370.2	368.7	365.1	360.0	348.3	338.4	327.3	316.5	305.7
22.5°	416.7	412.5	408.9	403.2	391.2	377.1	357.6	340.2	322.8	307.5	293.1
25°	473.1	465.6	447.9	430.5	405.9	380.7	354.3	331.8	310.2	290.1	272.4
27.5°	528.6	505.8	474.3	442.8	406.8	373.8	340.8	314.1	288.9	267.0	247.5
30°	595.8	557.4	509.1	459.3	408.3	363.9	324.3	293.1	264.0	240.9	220.5
32.5°	658.8	603.3	540.0	474.6	411.6	354.6	305.4	270.0	240.0	210.9	190.8
35°	702.0	630.0	553.2	476.1	403.5	336.9	281.7	240.0	210.0	183.0	159.3
37.5°	727.8	641.7	553.8	465.3	384.6	312.9	251.7	210.3	182.7	156.9	138.3
40°	744.0	644.4	546.0	449.7	360.6	282.6	221.7	184.5	159.3	138.6	124.2
42.5°	751.8	640.2	533.4	429.9	336.3	255.6	200.7	165.6	143.7	129.0	118.2
45°	753.0	632.7	519.9	411.9	314.7	236.1	186.3	157.8	139.8	127.5	116.7
47.5°	753.0	626.1	509.1	398.7	300.6	227.7	185.1	161.1	143.4	129.6	116.7
50°	753.6	624.0	504.6	392.1	295.8	232.2	195.3	171.3	151.2	133.2	116.4
52.5°	756.3	626.7	508.2	397.2	304.5	250.2	214.5	186.6	161.4	137.4	116.4
55°	762.3	635.7	523.5	414.9	327.9	277.5	237.6	203.1	169.5	139.2	114.6
57.5°	779.1	658.5	551.4	449.1	367.8	309.0	258.6	214.8	172.5	137.7	111.0
60°	812.7	703.8	599.1	497.1	410.1	336.0	270.9	216.6	169.8	132.9	105.3
62.5°	866.4	755.7	657.0	549.3	447.6	351.0	272.4	212.1	162.6	124.2	96.9
63°	885.0	768.6	669.3	559.2	452.4	352.2	271.2	210.3	160.8	121.8	95.7
65°	937.0	822.9	711.9	594.0	465.9	352.5	264.6	201.3	152.4	112.5	87.3
67.5°	1033.9	894.3	765.6	621.3	470.7	342.9	247.8	184.5	134.7	98.1	76.8
70°	1095.1	934.3	786.3	621.9	456.6	315.6	218.7	157.2	112.2	81.3	66.0
72.5°	1079.2	894.9	731.7	565.8	395.7	263.7	175.8	123.6	87.6	65.1	54.9
75°	924.4	744.9	597.0	438.3	299.1	193.8	128.7	88.2	64.8	51.0	45.9
77.5°	665.4	536.1	428.1	312.3	201.6	125.4	85.5	63.0	49.2	42.0	37.8
80°	423.9	314.4	261.9	187.8	117.9	77.7	58.8	47.7	40.5	35.1	32.4
82.5°	221.4	155.1	126.0	96.0	65.4	51.3	43.2	39.0	33.3	29.1	27.6
85°	138.0	91.5	67.8	47.4	32.7	29.4	27.0	26.4	23.7	21.0	20.1
87.5°	15.6	14.1	14.7	9.3	6.9	7.5	7.2	9.6	9.3	6.9	7.2
90°	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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7
2.5°	312.6	313.2	313.2	314.1	314.1	314.7	315.3	315.3	315.9	316.2	316.8
5°	309.0	309.0	309.0	310.2	310.5	312.3	312.9	313.5	314.1	316.2	317.4
7.5°	308.1	306.9	307.5	307.5	308.4	309.9	311.4	312.3	313.2	315.9	317.7
10°	309.9	309.0	308.1	308.1	308.4	309.0	310.2	311.1	311.7	314.4	315.9
12.5°	314.7	312.6	310.8	309.3	308.1	307.8	307.2	307.5	308.1	309.6	311.7
15°	315.6	311.7	307.8	303.9	300.9	299.1	297.6	297.0	297.0	297.9	300.3
17.5°	309.6	303.0	297.3	292.2	288.9	285.6	284.1	282.9	282.3	283.5	283.8
20°	296.7	288.9	281.1	275.1	269.1	268.2	265.8	266.4	267.0	268.8	269.7
22.5°	279.0	269.7	260.1	253.8	249.0	244.8	242.1	243.3	244.2	246.0	246.9
25°	257.4	243.9	233.7	227.4	222.3	218.7	215.7	216.9	215.7	217.8	221.1
27.5°	231.9	216.0	205.2	198.0	194.4	191.4	188.4	188.4	191.4	191.4	194.1
30°	201.0	189.3	175.2	167.7	163.2	161.4	161.1	160.5	162.6	163.8	166.8
32.5°	171.9	157.5	144.0	136.8	132.9	130.8	131.1	131.4	132.3	134.1	138.9
35°	142.5	129.9	120.3	112.2	108.3	104.4	104.4	103.8	104.7	106.8	112.5
37.5°	123.6	112.5	105.0	98.7	94.8	92.4	90.3	89.4	89.4	90.3	92.4
40°	113.1	105.0	98.1	92.7	89.1	87.0	85.8	84.9	84.3	84.3	84.6
42.5°	108.3	99.9	93.0	88.2	85.5	84.3	84.0	83.7	82.8	82.5	82.2
45°	105.9	96.3	88.5	84.6	82.5	81.9	82.2	82.2	81.9	81.3	80.1
47.5°	104.1	93.0	85.2	81.6	80.7	80.7	80.7	80.7	80.4	80.1	79.2
50°	101.1	87.9	79.5	76.8	76.2	76.2	76.5	76.5	77.1	76.5	75.9
52.5°	97.8	83.1	74.7	72.3	72.0	71.7	71.7	71.7	72.0	72.0	71.7
55°	94.2	79.5	72.3	70.5	70.8	70.5	70.2	69.9	69.9	69.6	69.0
57.5°	90.6	76.5	70.5	69.3	69.6	69.6	69.0	68.4	68.1	67.2	66.6
60°	85.2	72.3	66.9	66.3	67.2	67.2	67.2	66.9	66.9	66.6	65.1
62.5°	78.0	66.3	62.1	62.4	62.7	63.3	63.3	63.3	63.3	62.7	61.2
63°	76.5	65.1	61.2	61.2	62.1	62.1	62.4	62.1	62.4	61.8	60.0
65°	70.5	61.2	58.2	58.5	59.1	59.1	59.1	58.8	58.8	57.9	57.0
67.5°	63.6	56.4	54.6	54.9	55.2	55.8	55.5	55.5	55.8	55.2	54.3
70°	55.8	51.3	50.1	50.4	50.7	50.7	50.4	50.4	50.7	50.1	49.2
72.5°	49.8	48.0	47.1	47.1	46.5	46.5	45.9	45.6	45.3	45.3	44.4
75°	42.0	41.7	42.0	42.6	42.0	41.4	41.1	40.2	39.6	39.6	39.3
77.5°	36.0	36.0	36.6	37.5	37.8	37.8	36.9	35.4	35.1	35.1	35.1
80°	31.2	30.6	30.6	31.5	32.4	32.1	30.6	29.1	29.1	30.6	30.9
82.5°	27.3	27.3	26.4	26.7	26.4	26.1	24.6	23.7	23.4	24.6	25.8
85°	21.6	21.9	21.6	21.3	21.0	20.1	18.9	18.0	17.7	18.9	20.7
87.5°	8.7	8.4	8.1	8.4	8.1	8.7	8.4	7.8	7.5	8.4	10.2
90°	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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7
2.5°	317.1	317.7	318.3	318.3	318.9	318.6	318.9	319.2	319.2	319.5	319.5
5°	318.9	319.8	321.0	322.2	322.5	323.4	324.3	323.7	324.6	325.8	325.8
7.5°	319.5	321.6	322.5	324.3	324.6	325.8	327.9	326.4	328.2	329.1	329.4
10°	318.6	320.7	322.2	324.3	325.2	327.3	329.4	328.8	330.9	332.4	332.7
12.5°	313.2	315.3	318.6	321.6	324.0	327.3	331.2	330.0	333.0	334.8	335.7
15°	302.7	304.8	308.4	313.2	317.7	322.8	327.9	328.8	331.8	333.9	334.8
17.5°	286.2	288.9	292.8	297.9	303.6	312.3	318.9	322.2	326.4	327.6	329.1
20°	270.9	273.6	276.0	279.0	283.2	291.6	300.3	306.9	312.3	316.8	318.0
22.5°	250.5	252.9	255.9	258.3	261.3	267.3	274.5	282.0	290.4	293.1	296.1
25°	225.9	227.4	231.6	233.1	235.2	240.3	246.0	251.4	259.5	265.2	266.7
27.5°	199.5	201.0	204.9	205.8	208.5	213.3	217.5	219.6	227.1	233.1	237.9
30°	168.9	172.8	177.6	178.2	181.2	184.2	188.1	190.2	197.1	203.4	209.4
32.5°	142.5	146.4	150.3	152.7	154.2	156.6	160.5	162.6	169.2	174.9	180.9
35°	115.5	120.3	124.5	127.8	129.0	132.0	135.0	137.1	144.0	149.1	153.3
37.5°	95.1	98.7	103.2	106.5	109.8	111.9	115.5	118.5	122.7	125.4	129.9
40°	85.2	87.0	89.4	92.1	94.8	97.2	99.9	102.3	105.0	108.6	111.6
42.5°	81.9	82.2	82.2	83.1	84.6	85.8	88.2	90.0	91.8	94.5	96.0
45°	79.5	79.2	78.6	78.0	78.3	78.9	80.4	81.6	83.7	84.9	85.2
47.5°	78.3	77.1	75.9	75.0	74.7	75.0	76.2	77.4	78.6	79.5	79.8
50°	74.4	73.5	71.7	70.5	69.9	70.5	72.0	72.6	73.8	74.7	75.0
52.5°	70.5	69.3	68.1	66.9	66.9	67.2	68.4	69.6	70.8	71.1	71.7
55°	68.1	66.3	65.1	64.2	63.6	64.5	65.4	66.9	68.4	68.7	69.3
57.5°	65.7	63.9	62.7	61.8	61.2	62.1	63.0	65.1	66.9	66.9	66.9
60°	64.2	62.7	60.9	60.0	59.1	60.0	61.2	63.3	65.1	64.8	64.5
62.5°	60.0	58.5	57.6	57.6	56.7	58.2	59.4	61.8	62.1	61.5	60.9
63°	58.8	57.6	57.0	57.0	56.4	57.9	59.1	61.2	61.2	60.6	60.0
65°	55.8	54.9	54.3	54.9	54.9	56.4	56.7	58.2	57.9	57.0	56.7
67.5°	53.4	52.8	52.2	52.2	52.2	52.5	52.8	53.4	53.1	52.8	53.1
70°	49.5	49.2	48.6	48.6	48.3	48.3	48.3	48.6	48.6	48.9	49.2
72.5°	44.7	44.1	44.1	44.4	43.8	44.1	44.4	44.1	44.7	44.7	45.0
75°	39.3	39.0	39.6	40.2	39.9	39.9	40.2	40.2	40.5	40.5	40.8
77.5°	35.1	35.4	35.7	36.3	36.6	36.6	36.6	36.3	36.6	36.6	36.9
80°	31.2	31.8	32.4	33.0	33.3	33.3	33.3	33.0	33.0	33.0	33.0
82.5°	28.2	29.1	29.7	30.0	30.0	30.0	30.0	30.0	30.0	29.4	28.8
85°	23.7	25.5	25.5	25.8	24.9	24.3	23.7	24.0	24.3	23.1	22.8
87.5°	12.0	12.0	12.6	13.2	13.5	13.5	15.3	14.4	14.1	13.8	13.2
90°	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):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7
2.5°	319.8	319.5	320.1	319.5	319.8	320.1	319.5	320.4	321.0	320.1	319.2
5°	326.4	326.4	327.9	328.5	328.8	330.6	329.7	330.3	330.9	330.6	330.9
7.5°	330.6	331.8	333.3	334.8	335.1	336.6	336.3	337.2	337.8	339.3	339.3
10°	334.2	335.7	337.8	339.3	340.8	342.0	342.6	344.4	344.7	345.9	345.9
12.5°	337.5	339.3	341.4	343.8	345.3	347.7	348.0	350.7	351.6	351.9	351.0
15°	336.9	339.0	341.4	344.1	346.8	349.8	351.6	354.3	355.8	356.4	354.9
17.5°	331.2	333.0	336.0	339.6	342.9	346.8	350.1	354.0	356.4	357.0	356.7
20°	320.1	321.3	325.2	330.0	333.9	339.9	344.7	350.7	354.6	357.6	358.5
22.5°	298.2	301.2	305.1	310.5	316.2	323.7	330.6	339.3	347.7	354.9	362.1
25°	271.8	277.2	283.2	290.4	297.3	305.1	312.9	322.8	335.1	350.1	367.2
27.5°	245.1	254.4	261.9	271.2	279.3	287.1	295.8	306.6	320.1	338.1	360.0
30°	218.1	228.6	236.7	247.5	258.3	268.8	277.5	288.9	302.1	320.4	344.4
32.5°	189.3	199.8	209.4	219.3	231.3	243.9	254.4	268.5	282.6	301.5	325.8
35°	159.6	168.9	177.0	187.5	200.7	214.2	228.0	244.2	259.5	279.3	305.1
37.5°	133.8	140.4	148.2	157.5	167.7	182.1	197.7	216.9	234.3	255.9	282.3
40°	112.5	116.1	120.6	128.4	137.7	151.8	167.1	187.5	208.5	232.2	257.7
42.5°	96.0	97.8	99.0	104.1	111.6	125.4	140.1	159.9	183.0	208.8	234.6
45°	85.2	86.1	86.4	89.1	94.5	106.5	121.8	138.6	160.8	186.0	213.0
47.5°	80.1	81.0	81.6	82.2	85.5	94.8	108.6	124.5	144.9	168.0	195.6
50°	75.9	76.8	77.7	77.4	78.9	84.9	96.6	111.3	130.5	151.8	179.1
52.5°	71.7	72.3	72.3	72.3	73.2	77.1	85.5	99.0	116.7	136.8	163.8
55°	69.3	69.9	70.2	70.5	70.8	72.9	79.2	90.0	105.3	123.9	148.2
57.5°	66.9	67.2	67.8	68.1	68.7	69.9	73.8	81.6	94.5	110.1	130.5
60°	64.8	65.4	66.6	66.9	67.5	67.8	69.6	74.4	82.8	94.8	111.3
62.5°	61.5	62.4	63.6	63.9	64.5	64.8	65.1	67.8	71.7	78.9	91.2
63°	60.6	61.5	63.0	63.3	63.6	63.6	63.9	65.7	69.3	75.6	84.6
65°	57.3	58.5	59.4	59.7	60.0	60.0	59.7	60.3	60.6	63.3	68.7
67.5°	53.7	54.6	55.2	55.5	55.2	55.5	55.2	54.6	54.0	54.6	57.0
70°	50.1	50.7	50.7	51.0	51.3	51.6	51.0	50.4	49.8	49.5	51.0
72.5°	45.9	46.5	46.5	46.8	46.8	47.4	47.4	47.1	47.1	47.4	47.7
75°	41.7	42.3	42.0	42.6	42.6	43.5	43.5	43.8	44.4	44.1	43.8
77.5°	37.8	38.1	38.1	38.4	38.7	40.2	41.1	41.4	41.4	40.8	40.2
80°	33.6	33.6	33.0	32.7	33.0	34.5	36.3	36.6	37.5	37.2	37.5
82.5°	28.2	27.0	26.1	26.1	26.7	27.6	28.2	28.8	29.4	29.4	30.0
85°	21.6	20.4	19.5	19.8	20.7	21.0	20.7	20.7	21.9	22.8	21.9
87.5°	12.9	11.7	11.1	10.2	10.5	11.4	11.1	10.2	10.5	8.4	7.8
90°	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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7
2.5°	319.8	319.5	318.9	318.0	317.7	317.1	317.4	316.5	315.9	315.3	314.4
5°	330.9	330.9	329.1	329.1	328.2	327.9	325.8	324.9	323.1	323.7	321.6
7.5°	338.7	339.6	337.5	337.2	336.0	335.7	333.0	332.1	330.6	330.0	328.2
10°	344.4	344.4	341.7	339.6	338.1	336.6	333.9	332.7	331.5	331.8	330.6
12.5°	348.9	346.8	342.9	339.9	337.8	336.3	334.2	333.3	333.0	335.1	335.4
15°	352.5	349.5	344.7	342.6	340.8	340.5	340.5	341.4	343.5	347.4	350.4
17.5°	354.6	352.8	350.4	349.8	352.8	354.6	357.0	359.7	362.7	368.1	371.4
20°	358.5	359.7	361.5	363.9	368.7	373.2	376.2	380.1	383.7	390.3	395.7
22.5°	368.7	375.6	381.3	386.1	393.3	399.6	403.5	408.9	411.6	416.1	424.5
25°	381.9	396.0	408.0	418.2	429.3	435.9	441.3	448.2	452.4	459.9	467.4
27.5°	378.0	398.1	416.1	435.0	450.3	467.4	479.4	490.8	498.0	509.1	519.0
30°	366.0	390.0	414.3	439.2	463.5	488.1	510.9	531.6	547.5	563.4	579.6
32.5°	349.8	377.4	407.1	437.7	469.5	503.7	535.2	566.4	592.8	615.9	638.4
35°	331.2	362.4	393.3	431.1	470.4	513.9	557.7	600.9	641.1	681.9	709.5
37.5°	309.0	340.8	375.3	418.8	465.0	518.7	574.5	630.9	687.9	742.8	790.5
40°	285.3	317.7	354.0	401.1	453.3	515.7	585.3	661.2	739.5	819.0	882.3
42.5°	264.3	297.6	337.2	384.9	441.6	511.8	594.0	687.3	783.0	881.4	974.5
45°	243.9	280.5	322.2	373.5	436.5	514.8	606.9	711.6	822.0	941.5	1054.9
47.5°	225.6	262.8	303.3	359.4	429.0	516.3	619.5	735.9	858.9	988.3	1123.0
50°	209.1	245.1	285.0	341.4	417.3	515.4	630.9	757.8	890.7	1025.2	1175.5
52.5°	192.9	229.5	270.3	324.0	402.9	510.3	636.3	775.8	920.2	1062.4	1217.8
55°	177.0	213.0	254.1	307.5	384.0	497.1	635.7	787.5	943.6	1097.5	1258.6
57.5°	158.4	192.6	232.8	289.2	363.9	476.7	626.7	792.9	963.7	1132.3	1307.5
60°	135.3	167.4	206.1	262.5	337.5	450.6	607.8	789.9	975.4	1158.1	1349.2
62.5°	106.8	134.7	170.1	225.3	304.5	413.1	572.4	762.6	956.8	1154.5	1368.7
63°	100.8	127.2	161.7	216.3	290.4	402.9	561.9	751.8	947.8	1147.0	1366.0
65°	81.0	98.1	125.7	174.6	243.0	352.8	509.7	696.3	899.4	1094.2	1327.0
67.5°	62.1	70.8	85.5	119.7	171.9	277.5	412.8	590.1	780.6	963.7	1201.3
70°	53.1	57.0	63.3	79.5	109.2	175.2	289.8	440.1	605.1	763.8	977.5
72.5°	48.3	50.1	53.4	60.3	75.0	105.0	184.8	286.5	411.6	544.5	709.5
75°	44.4	45.9	48.6	52.2	57.6	69.9	105.3	175.2	267.6	357.6	478.8
77.5°	40.5	41.4	44.4	47.7	51.3	57.6	69.6	100.8	153.9	210.9	288.6
80°	37.2	36.6	38.7	44.1	47.7	51.3	54.9	65.4	87.6	115.5	156.0
82.5°	29.7	30.3	32.1	37.5	39.0	38.1	38.7	40.5	48.9	53.4	79.8
85°	20.1	18.6	18.3	18.9	18.9	18.0	18.0	17.7	19.5	22.2	38.1
87.5°	5.4	2.7	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

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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	0°
2.5°	313.8	313.5	313.8	312.3	312.3	312.0	311.7	311.1	311.1	309.9	310.8	2.5°
5°	319.8	319.2	318.0	316.2	315.3	314.1	314.1	312.9	312.0	310.8	311.1	5°
7.5°	326.7	327.0	324.9	323.4	322.8	321.6	321.9	320.1	320.4	319.5	318.9	7.5°
10°	330.6	330.6	331.2	330.9	331.5	331.5	332.4	331.2	330.6	329.7	329.7	10°
12.5°	336.9	338.1	340.5	340.5	342.3	342.9	343.2	343.8	342.6	342.0	339.9	12.5°
15°	352.5	355.5	357.6	360.6	364.2	365.4	365.4	364.2	363.6	362.7	358.8	15°
17.5°	378.3	384.9	386.7	391.5	392.1	393.6	397.8	395.4	393.9	387.6	386.4	17.5°
20°	404.7	413.1	421.5	427.5	430.5	436.5	437.4	436.2	430.2	424.2	421.5	20°
22.5°	436.5	449.1	458.7	468.0	472.5	475.5	482.1	480.6	475.8	466.8	463.2	22.5°
25°	481.5	497.1	507.3	518.7	524.7	527.7	534.3	534.3	529.2	526.5	526.2	25°
27.5°	538.2	557.4	574.2	578.1	593.7	597.3	603.6	603.6	598.8	595.5	611.4	27.5°
30°	601.2	621.3	650.4	669.9	688.8	707.4	707.1	708.3	714.0	717.0	723.9	30°
32.5°	664.2	689.1	720.0	762.3	802.8	837.3	882.0	910.5	901.8	877.5	867.9	32.5°
35°	740.7	768.3	805.8	848.4	922.6	967.3	988.9	1004.2	1006.0	1009.3	1016.2	35°
37.5°	825.9	872.1	915.6	964.0	1005.1	1059.4	1109.5	1149.7	1159.0	1177.9	1167.1	37.5°
40°	933.7	985.3	1030.9	1093.3	1148.5	1213.9	1285.6	1340.8	1363.0	1355.8	1301.8	40°
42.5°	1046.5	1110.4	1163.8	1237.3	1309.0	1395.4	1469.5	1546.6	1560.4	1504.9	1424.2	42.5°
45°	1150.3	1229.5	1295.8	1372.3	1459.9	1563.4	1662.4	1741.6	1738.9	1643.8	1535.8	45°
47.5°	1243.6	1340.8	1421.8	1521.4	1615.6	1738.9	1852.6	1911.1	1876.6	1764.1	1631.8	47.5°
50°	1320.7	1441.9	1541.8	1642.6	1762.3	1910.8	2020.3	2053.3	1986.7	1864.3	1725.1	50°
52.5°	1382.8	1534.9	1647.1	1763.2	1914.4	2070.7	2164.9	2152.6	2066.5	1940.8	1802.2	52.5°
55°	1435.3	1606.0	1739.8	1876.9	2064.4	2208.4	2271.1	2238.1	2117.8	1990.3	1855.0	55°
57.5°	1489.6	1675.0	1825.0	1984.0	2192.8	2316.4	2351.2	2283.4	2142.1	2009.2	1877.8	57.5°
60°	1543.9	1732.6	1900.3	2077.6	2290.0	2404.6	2395.0	2293.6	2134.9	1995.4	1862.5	60°
62.5°	1580.5	1766.8	1944.1	2135.2	2362.9	2449.6	2390.8	2257.3	2093.2	1941.1	1816.9	62.5°
63°	1581.4	1768.0	1946.8	2139.1	2371.0	2451.1	2382.7	2244.4	2080.0	1930.0	1803.4	63°
65°	1562.5	1745.5	1922.8	2121.4	2364.1	2416.6	2312.8	2168.2	2004.7	1853.2	1733.2	65°
67.5°	1465.9	1652.5	1809.1	1996.3	2240.5	2255.5	2125.6	2008.9	1861.9	1705.0	1579.6	67.5°
70°	1271.2	1426.3	1579.9	1736.2	1941.1	1938.4	1816.3	1756.9	1628.2	1449.4	1348.9	70°
72.5°	1011.1	1150.3	1258.3	1363.0	1498.0	1470.7	1392.1	1408.6	1325.2	1191.7	1132.0	72.5°
75°	750.6	903.6	956.5	999.1	1056.1	1056.4	1078.0	1124.8	1123.6	1049.5	974.2	75°
77.5°	492.3	659.7	677.4	711.6	780.0	873.0	969.1	1072.3	1098.1	1039.6	928.3	77.5°
80°	274.5	448.5	428.1	457.5	531.3	657.6	799.2	913.2	980.5	947.8	829.8	80°
82.5°	140.4	258.6	247.2	288.0	347.7	457.5	551.1	638.7	717.9	713.4	668.7	82.5°
85°	72.9	141.6	161.1	182.4	212.4	251.7	287.1	312.6	345.6	403.8	423.6	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.0	21.6	15.6	42.9	61.2	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
314.7	314.7	314.7	314.7	314.7	314.7	314.7
311.1	311.4	310.8	310.8	311.1	311.1	310.5
310.5	310.5	309.9	309.3	308.7	308.7	308.1
317.4	317.4	315.3	314.4	312.9	311.7	311.1
327.6	325.8	323.4	321.6	319.2	316.5	315.0
337.8	335.1	332.1	329.4	326.4	323.4	321.9
354.6	351.0	347.1	343.8	339.6	335.1	333.3
380.4	374.7	369.6	364.8	357.3	354.0	350.4
414.6	406.2	399.6	391.5	382.2	379.2	374.7
456.0	448.8	435.6	429.6	420.3	415.8	416.7
519.0	509.7	494.4	488.7	487.8	477.9	473.1
601.2	601.8	587.7	572.4	564.0	548.4	528.6
718.2	710.1	693.6	678.0	658.2	628.8	595.8
859.8	841.8	814.5	785.4	750.3	705.0	658.8
998.2	966.7	923.2	874.5	823.8	767.4	702.0
1119.7	1070.8	1005.7	949.9	878.1	807.6	727.8
1230.7	1170.1	1086.1	1013.8	929.2	838.5	744.0
1338.1	1261.3	1158.4	1060.6	964.9	859.2	751.8
1440.4	1341.4	1219.3	1102.9	991.0	872.7	753.0
1519.0	1411.0	1273.9	1133.5	1009.0	882.9	753.0
1591.9	1469.8	1315.6	1157.5	1025.8	889.8	753.6
1648.6	1511.2	1342.6	1174.6	1039.0	894.9	756.3
1689.7	1538.2	1360.6	1185.1	1048.6	902.1	762.3
1718.5	1555.9	1370.5	1194.4	1060.3	914.7	779.1
1732.3	1588.6	1387.0	1213.0	1080.4	941.5	812.7
1721.8	1639.3	1434.1	1244.5	1108.3	983.2	866.4
1717.3	1648.6	1447.0	1251.4	1114.6	992.2	885.0
1682.2	1657.9	1500.1	1286.2	1144.6	1032.1	937.0
1573.3	1621.3	1544.8	1345.0	1209.1	1129.0	1033.9
1432.3	1567.0	1536.7	1352.5	1250.2	1208.5	1095.1
1263.4	1402.9	1374.7	1252.6	1204.9	1209.4	1079.2
994.3	1099.0	1080.4	1037.5	1047.1	1080.1	924.4
796.5	782.4	739.5	742.5	798.0	836.7	665.4
650.7	526.8	471.0	472.5	569.4	609.6	423.9
619.2	498.3	405.9	354.6	414.3	399.0	221.4
441.0	441.9	366.6	297.9	288.6	245.4	138.0
104.4	83.7	59.7	44.4	46.8	30.9	15.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)