

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: P153286

Luminaire Tested: **VXS-F01-LED-E1-SLR-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153286
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: VXS-F01-LED-E1-SLR-7050
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2357 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
Input Voltage (V): NR
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

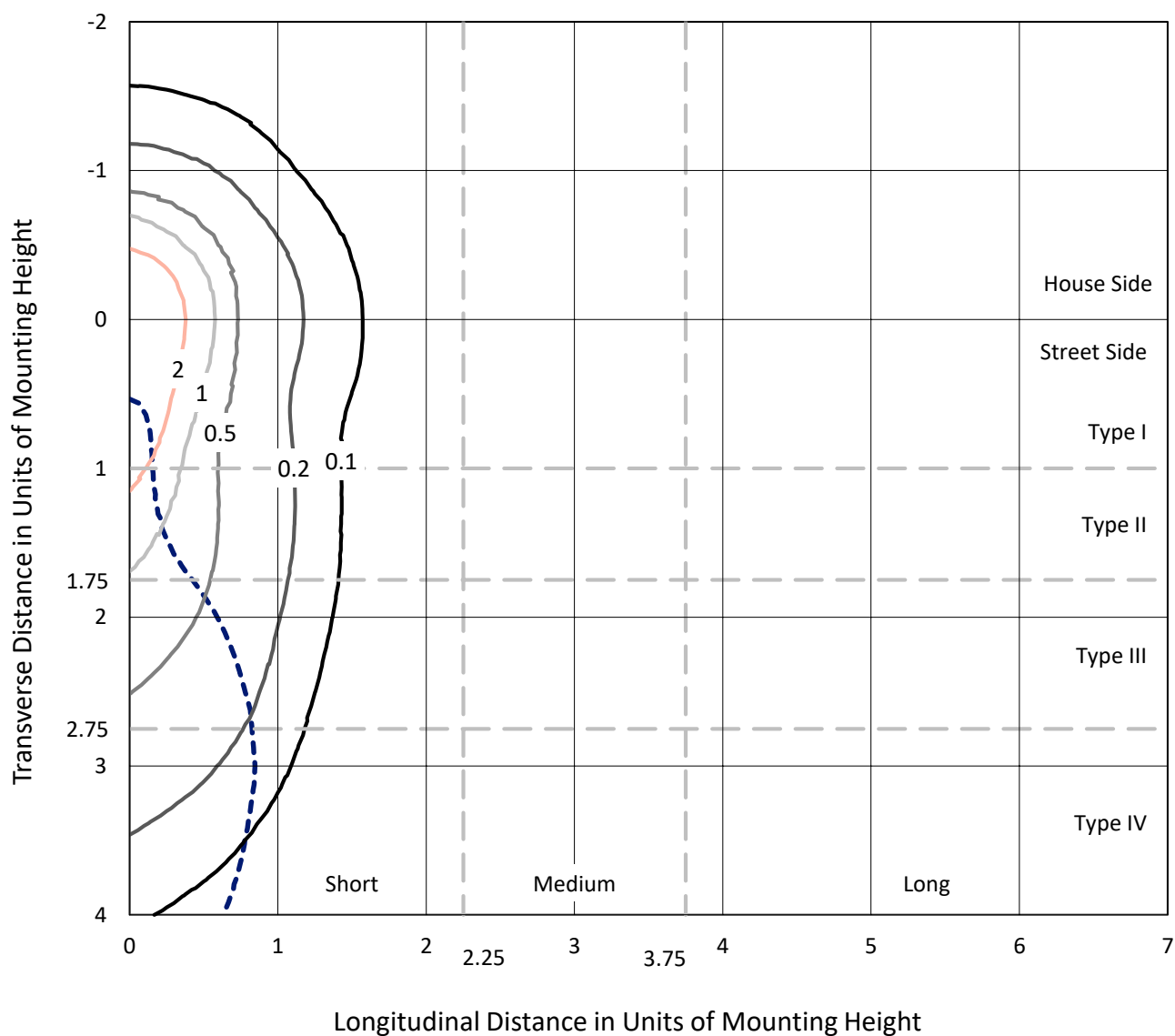


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

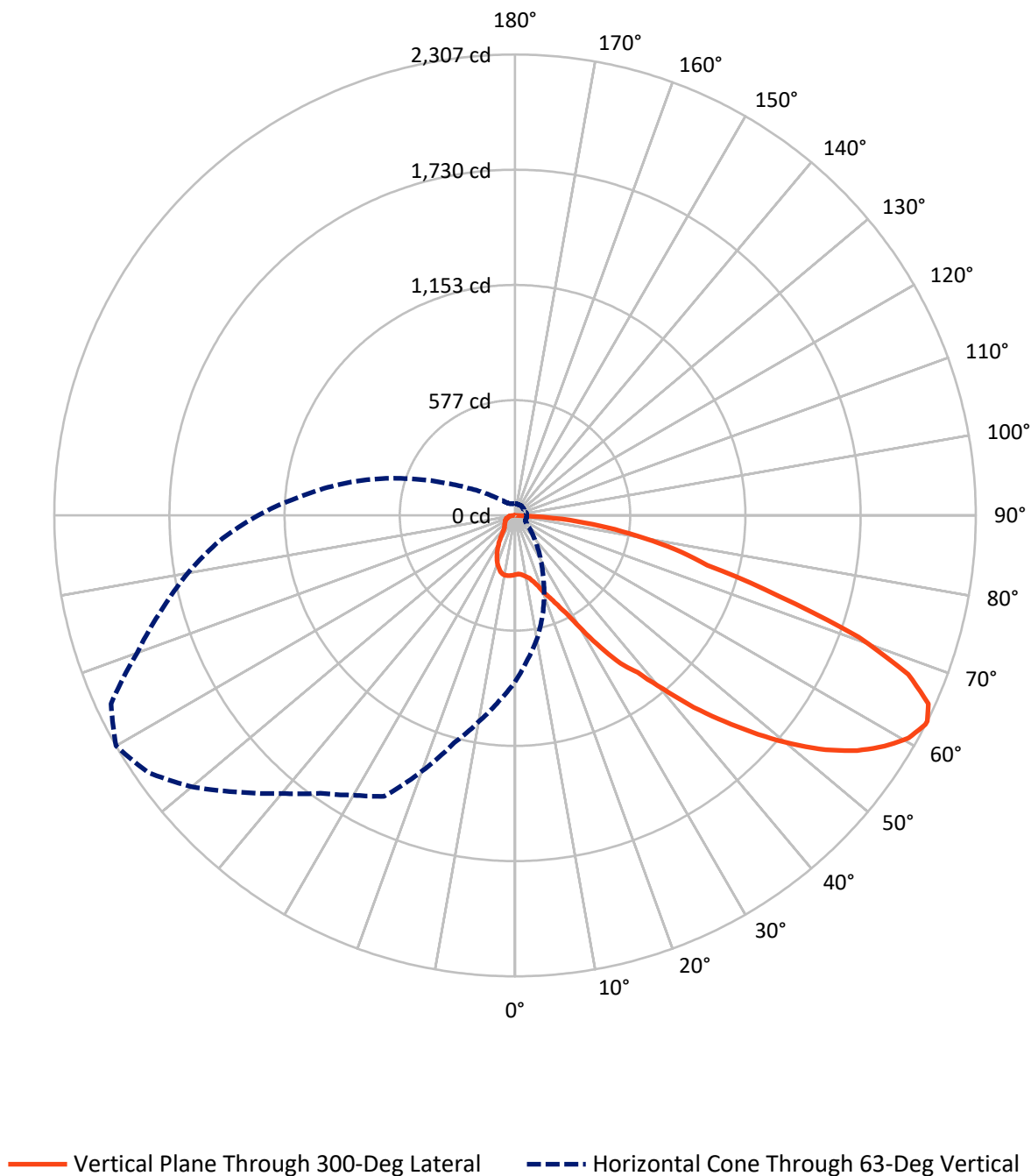


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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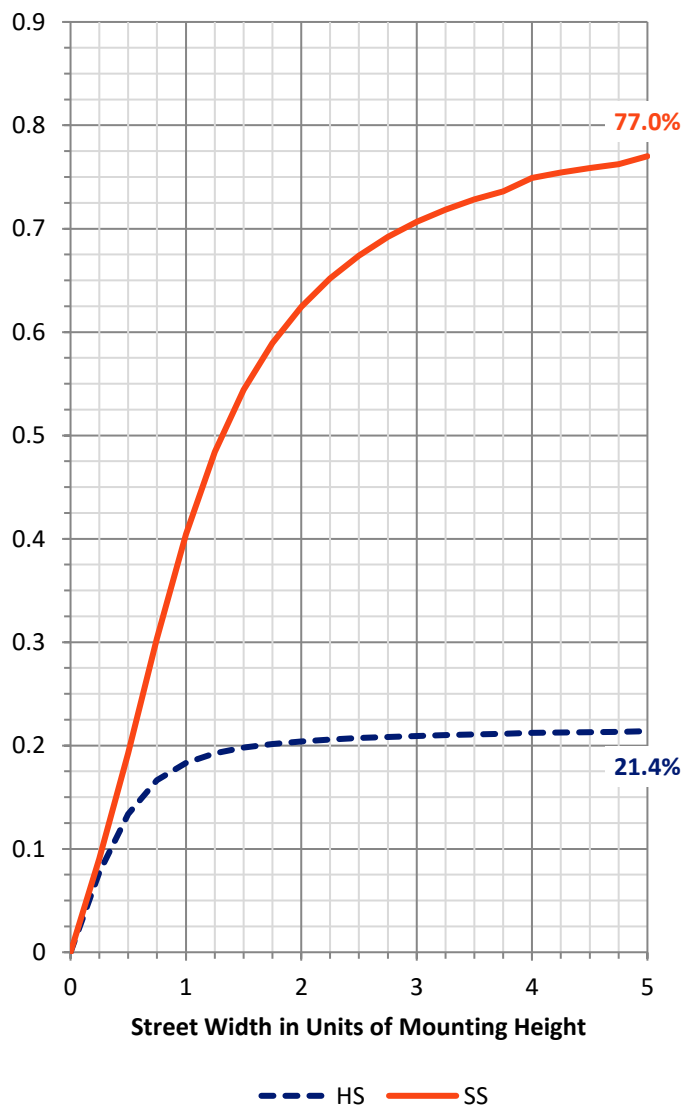
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	511.1	0.0	511.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1845.9	0.0	1845.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	2357.0	0.0	2357.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	1.2
10°-20°	89.8	3.8
20°-30°	159.5	6.8
30°-40°	251.2	10.7
40°-50°	369.7	15.7
50°-60°	491.1	20.8
60°-70°	540.9	23.0
70°-80°	339.4	14.4
80°-90°	86.4	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°	2357.0	100.0
0°-180°	2357.0	100.0

Coefficient of Utilization



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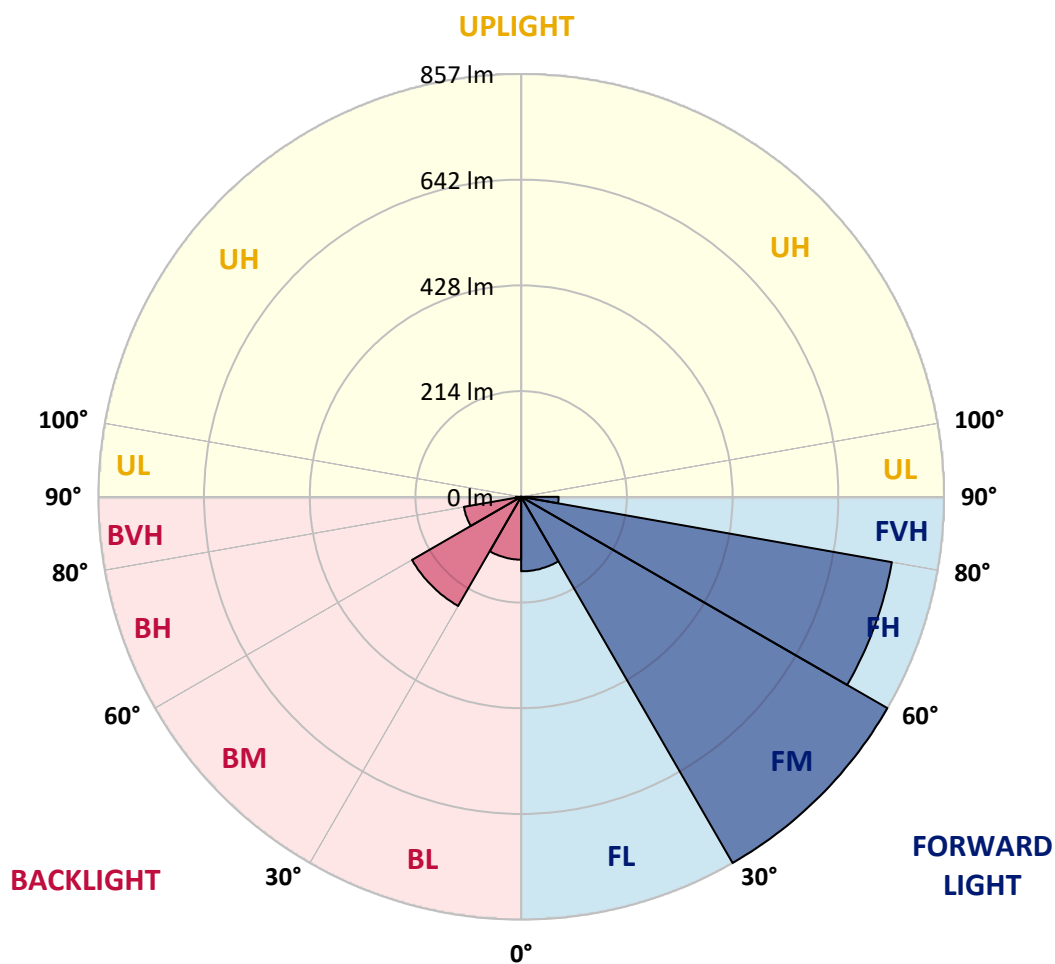
CATALOG NUMBER: VXS-F01-LED-E1-SLR-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.9	6.4			
FM	(30°-60°)	856.6	36.3			
FH	(60°-80°)	762.5	32.4			G1/1800
FVH	(80°-90°)	75.9	3.2			G1/100
BL	(0°-30°)	127.2	5.4	B1/500		
BM	(30°-60°)	255.5	10.8	B1/1000		
BH	(60°-80°)	117.8	5.0	B1/500		G1/500
BVH	(80°-90°)	10.6	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°	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2
2.5°	292.2	293.1	292.8	292.8	293.4	293.1	293.1	293.4	293.4	294.2	295.3
5°	289.9	289.7	289.1	289.7	289.7	289.7	288.6	289.4	289.7	290.3	290.3
7.5°	292.8	291.9	290.9	291.1	291.1	290.6	289.7	289.9	289.7	289.7	289.4
10°	296.5	294.5	293.1	293.1	293.1	292.5	291.1	291.9	291.9	291.7	291.9
12.5°	303.0	300.7	299.1	298.4	298.4	297.6	296.5	297.6	297.0	297.0	296.5
15°	313.7	311.2	309.2	307.5	307.8	307.8	306.3	305.5	304.4	303.0	300.1
17.5°	329.8	326.9	324.5	323.0	323.3	321.3	317.4	313.4	308.1	302.7	296.8
20°	352.6	351.8	348.4	347.0	343.6	338.9	327.8	318.5	308.1	297.9	287.8
22.5°	392.2	388.3	384.9	379.5	368.2	354.9	336.6	320.2	303.8	289.4	275.9
25°	445.3	438.2	421.6	405.2	382.1	358.3	333.5	312.3	291.9	273.1	256.4
27.5°	497.5	476.1	446.4	416.8	382.9	351.8	320.7	295.6	271.9	251.3	233.0
30°	560.7	524.7	479.2	432.3	384.2	342.5	305.2	275.9	248.5	226.7	207.6
32.5°	620.1	567.8	508.3	446.7	387.4	333.8	287.5	254.1	225.9	198.5	179.6
35°	660.7	593.0	520.6	448.1	379.8	317.1	265.2	225.9	197.6	172.2	149.9
37.5°	685.0	603.9	521.2	437.9	362.0	294.5	236.9	197.9	171.9	147.7	130.2
40°	700.2	606.5	513.9	423.2	339.4	266.0	208.7	173.7	149.9	130.5	116.9
42.5°	707.6	602.6	502.1	404.7	316.5	240.5	188.9	155.9	135.2	121.5	111.3
45°	708.7	595.5	489.3	387.7	296.2	222.2	175.3	148.5	131.6	120.0	109.8
47.5°	708.7	589.3	479.2	375.2	282.9	214.3	174.2	151.6	134.9	122.0	109.8
50°	709.3	587.4	474.9	369.0	278.4	218.5	183.8	161.2	142.3	125.4	109.5
52.5°	711.8	589.8	478.3	373.9	286.6	235.4	201.9	175.6	151.9	129.3	109.5
55°	717.5	598.3	492.7	390.5	308.6	261.1	223.6	191.2	159.5	131.0	107.9
57.5°	733.3	619.8	519.0	422.7	346.2	290.9	243.4	202.2	162.4	129.6	104.5
60°	764.9	662.4	563.8	467.9	386.0	316.3	254.9	203.8	159.8	125.1	99.1
62.5°	815.4	711.3	618.3	517.0	421.2	330.4	256.4	199.6	153.1	116.9	91.2
63°	833.0	723.4	629.9	526.3	425.8	331.5	255.2	197.9	151.3	114.6	90.1
65°	881.8	774.5	670.1	559.1	438.5	331.8	249.0	189.4	143.4	105.9	82.2
67.5°	973.1	841.8	720.6	584.8	443.0	322.7	233.3	173.7	126.7	92.3	72.3
70°	1030.6	879.3	740.1	585.3	429.7	297.0	205.8	148.0	105.6	76.5	62.1
72.5°	1015.6	842.3	688.7	532.5	372.4	248.2	165.5	116.4	82.5	61.2	51.7
75°	869.9	701.1	561.9	412.5	281.6	182.4	121.1	83.0	61.0	48.0	43.2
77.5°	626.3	504.6	402.9	293.9	189.7	118.0	80.5	59.3	46.3	39.5	35.5
80°	399.0	296.0	246.5	176.8	111.0	73.2	55.3	44.9	38.1	33.1	30.5
82.5°	208.4	146.0	118.5	90.4	61.6	48.3	40.6	36.7	31.3	27.4	26.0
85°	129.8	86.1	63.8	44.7	30.8	27.7	25.4	24.9	22.3	19.8	19.0
87.5°	14.7	13.3	13.9	8.7	6.5	7.0	6.7	9.0	8.7	6.5	6.7
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°	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2
2.5°	294.2	294.8	294.8	295.6	295.6	296.2	296.8	296.8	297.3	297.6	298.1
5°	290.9	290.9	290.9	291.9	292.2	293.9	294.5	295.0	295.6	297.6	298.8
7.5°	289.9	288.8	289.4	289.4	290.3	291.7	293.1	293.9	294.8	297.3	299.1
10°	291.7	290.9	289.9	289.9	290.3	290.9	291.9	292.8	293.4	296.0	297.3
12.5°	296.2	294.2	292.5	291.1	289.9	289.7	289.1	289.4	289.9	291.4	293.4
15°	297.0	293.4	289.7	286.0	283.2	281.6	280.1	279.6	279.6	280.4	282.6
17.5°	291.4	285.2	279.8	275.0	271.9	268.8	267.4	266.2	265.7	266.8	267.2
20°	279.3	271.9	264.6	259.0	253.3	252.4	250.2	250.8	251.3	253.0	253.9
22.5°	262.6	253.9	244.8	238.9	234.4	230.4	227.9	229.0	229.8	231.5	232.3
25°	242.3	229.5	220.0	214.0	209.2	205.8	203.0	204.1	203.0	205.0	208.1
27.5°	218.2	203.3	193.2	186.3	183.0	180.1	177.3	177.3	180.1	180.1	182.7
30°	189.2	178.1	164.9	157.8	153.6	151.9	151.6	151.1	153.1	154.2	157.0
32.5°	161.8	148.2	135.5	128.7	125.1	123.1	123.4	123.6	124.6	126.2	130.8
35°	134.1	122.3	113.3	105.6	102.0	98.2	98.2	97.7	98.5	100.5	105.9
37.5°	116.4	105.9	98.9	92.8	89.2	86.9	85.0	84.1	84.1	85.0	86.9
40°	106.4	98.9	92.3	87.3	83.8	81.9	80.7	79.9	79.4	79.4	79.6
42.5°	102.0	94.0	87.6	83.0	80.5	79.4	79.1	78.8	77.9	77.6	77.4
45°	99.7	90.7	83.3	79.6	77.6	77.1	77.4	77.4	77.1	76.5	75.4
47.5°	97.9	87.6	80.2	76.8	76.0	76.0	76.0	76.0	75.6	75.4	74.5
50°	95.1	82.7	74.8	72.3	71.7	71.7	72.0	72.0	72.5	72.0	71.4
52.5°	92.0	78.2	70.3	68.1	67.8	67.5	67.5	67.5	67.8	67.8	67.5
55°	88.7	74.8	68.1	66.3	66.6	66.3	66.1	65.8	65.8	65.5	65.0
57.5°	85.3	72.0	66.3	65.2	65.5	65.5	65.0	64.4	64.1	63.2	62.7
60°	80.2	68.1	63.0	62.4	63.2	63.2	63.2	63.0	63.0	62.7	61.2
62.5°	73.4	62.4	58.4	58.8	59.0	59.6	59.6	59.6	59.6	59.0	57.6
63°	72.0	61.2	57.6	57.6	58.4	58.4	58.8	58.4	58.8	58.1	56.5
65°	66.3	57.6	54.8	55.0	55.6	55.6	55.6	55.3	55.3	54.5	53.7
67.5°	59.9	53.1	51.4	51.7	51.9	52.5	52.2	52.2	52.5	51.9	51.1
70°	52.5	48.3	47.2	47.5	47.7	47.7	47.5	47.5	47.7	47.2	46.3
72.5°	46.8	45.2	44.4	44.4	43.7	43.7	43.2	42.9	42.6	42.6	41.8
75°	39.5	39.3	39.5	40.1	39.5	39.0	38.7	37.8	37.3	37.3	37.0
77.5°	33.9	33.9	34.4	35.3	35.5	35.5	34.7	33.4	33.1	33.1	33.1
80°	29.3	28.8	28.8	29.6	30.5	30.3	28.8	27.4	27.4	28.8	29.1
82.5°	25.7	25.7	24.9	25.2	24.9	24.6	23.1	22.3	22.1	23.1	24.2
85°	20.3	20.6	20.3	20.0	19.8	19.0	17.8	16.9	16.7	17.8	19.5
87.5°	8.2	7.9	7.7	7.9	7.7	8.2	7.9	7.4	7.0	7.9	9.6
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°	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2
2.5°	298.4	299.1	299.6	299.6	300.1	299.9	300.1	300.4	300.4	300.7	300.7
5°	300.1	301.0	302.1	303.2	303.5	304.4	305.2	304.7	305.5	306.6	306.6
7.5°	300.7	302.7	303.5	305.2	305.5	306.6	308.6	307.3	308.9	309.7	310.1
10°	299.9	301.9	303.2	305.2	306.1	308.1	310.1	309.4	311.4	312.8	313.2
12.5°	294.8	296.8	299.9	302.7	305.0	308.1	311.7	310.6	313.4	315.1	316.0
15°	284.9	286.8	290.3	294.8	299.1	303.8	308.6	309.4	312.3	314.3	315.1
17.5°	269.3	271.9	275.5	280.4	285.7	293.9	300.1	303.2	307.3	308.3	309.7
20°	254.9	257.5	259.8	262.6	266.5	274.4	282.6	288.8	293.9	298.1	299.3
22.5°	235.8	238.0	240.8	243.1	245.9	251.6	258.3	265.4	273.4	275.9	278.7
25°	212.6	214.0	218.0	219.4	221.3	226.2	231.5	236.6	244.2	249.6	251.0
27.5°	187.8	189.2	192.8	193.7	196.3	200.7	204.7	206.7	213.8	219.4	223.9
30°	159.0	162.6	167.2	167.8	170.6	173.4	177.0	179.0	185.5	191.4	197.1
32.5°	134.1	137.8	141.5	143.7	145.2	147.4	151.1	153.1	159.3	164.7	170.3
35°	108.7	113.3	117.2	120.3	121.5	124.2	127.0	129.0	135.5	140.3	144.2
37.5°	89.5	92.8	97.1	100.2	103.3	105.3	108.7	111.5	115.4	118.0	122.3
40°	80.2	81.9	84.1	86.7	89.2	91.5	94.0	96.3	98.9	102.2	105.1
42.5°	77.1	77.4	77.4	78.2	79.6	80.7	83.0	84.7	86.4	88.9	90.4
45°	74.8	74.5	74.0	73.4	73.7	74.3	75.6	76.8	78.8	79.9	80.2
47.5°	73.7	72.5	71.4	70.6	70.3	70.6	71.7	72.8	74.0	74.8	75.1
50°	70.1	69.2	67.5	66.3	65.8	66.3	67.8	68.3	69.4	70.3	70.6
52.5°	66.3	65.2	64.1	63.0	63.0	63.2	64.4	65.5	66.6	66.9	67.5
55°	64.1	62.4	61.2	60.4	59.9	60.7	61.6	63.0	64.4	64.7	65.2
57.5°	61.9	60.1	59.0	58.1	57.6	58.4	59.3	61.2	63.0	63.0	63.0
60°	60.4	59.0	57.3	56.5	55.6	56.5	57.6	59.6	61.2	61.0	60.7
62.5°	56.5	55.0	54.2	54.2	53.4	54.8	56.0	58.1	58.4	57.9	57.3
63°	55.3	54.2	53.7	53.7	53.1	54.5	55.6	57.6	57.6	57.0	56.5
65°	52.5	51.7	51.1	51.7	51.7	53.1	53.4	54.8	54.5	53.7	53.4
67.5°	50.3	49.7	49.1	49.1	49.1	49.4	49.7	50.3	49.9	49.7	49.9
70°	46.6	46.3	45.7	45.7	45.5	45.5	45.5	45.7	45.7	46.0	46.3
72.5°	42.1	41.6	41.6	41.8	41.2	41.6	41.8	41.6	42.1	42.1	42.4
75°	37.0	36.7	37.3	37.8	37.5	37.5	37.8	37.8	38.1	38.1	38.4
77.5°	33.1	33.4	33.6	34.2	34.4	34.4	34.4	34.2	34.4	34.4	34.7
80°	29.3	29.9	30.5	31.1	31.3	31.3	31.3	31.1	31.1	31.1	31.1
82.5°	26.5	27.4	28.0	28.2	28.2	28.2	28.2	28.2	28.2	27.7	27.2
85°	22.3	24.0	24.0	24.2	23.4	22.9	22.3	22.6	22.9	21.8	21.5
87.5°	11.3	11.3	11.8	12.4	12.7	12.7	14.4	13.6	13.3	13.0	12.4
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°	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2
2.5°	301.0	300.7	301.2	300.7	301.0	301.2	300.7	301.6	302.1	301.2	300.4
5°	307.3	307.3	308.6	309.2	309.4	311.2	310.4	310.9	311.4	311.2	311.4
7.5°	311.2	312.3	313.7	315.1	315.4	316.8	316.5	317.4	317.9	319.4	319.4
10°	314.5	316.0	317.9	319.4	320.7	321.9	322.5	324.1	324.5	325.6	325.6
12.5°	317.6	319.4	321.3	323.6	325.0	327.3	327.6	330.1	330.9	331.2	330.4
15°	317.1	319.1	321.3	323.8	326.4	329.2	330.9	333.5	334.9	335.4	334.0
17.5°	311.7	313.4	316.3	319.6	322.7	326.4	329.5	333.2	335.4	336.0	335.8
20°	301.2	302.4	306.1	310.6	314.3	319.9	324.5	330.1	333.8	336.6	337.4
22.5°	280.6	283.5	287.2	292.2	297.6	304.7	311.2	319.4	327.3	334.0	340.8
25°	255.9	260.9	266.5	273.4	279.8	287.2	294.5	303.8	315.4	329.5	345.6
27.5°	230.7	239.5	246.5	255.2	262.9	270.3	278.4	288.6	301.2	318.2	338.9
30°	205.3	215.1	222.8	233.0	243.1	253.0	261.1	271.9	284.4	301.6	324.1
32.5°	178.1	188.1	197.1	206.4	217.7	229.5	239.5	252.7	266.0	283.7	306.6
35°	150.3	159.0	166.6	176.5	188.9	201.6	214.6	229.8	244.2	262.9	287.2
37.5°	125.9	132.1	139.5	148.2	157.8	171.4	186.1	204.1	220.5	240.8	265.7
40°	105.9	109.2	113.5	120.8	129.6	142.9	157.3	176.5	196.3	218.5	242.6
42.5°	90.4	92.0	93.2	97.9	105.1	118.0	131.8	150.5	172.2	196.5	220.8
45°	80.2	81.0	81.3	83.8	88.9	100.2	114.6	130.5	151.3	175.0	200.5
47.5°	75.4	76.3	76.8	77.4	80.5	89.2	102.2	117.2	136.4	158.1	184.1
50°	71.4	72.3	73.2	72.8	74.3	79.9	90.9	104.8	122.8	142.9	168.6
52.5°	67.5	68.1	68.1	68.1	68.9	72.5	80.5	93.2	109.8	128.7	154.2
55°	65.2	65.8	66.1	66.3	66.6	68.6	74.5	84.7	99.1	116.6	139.5
57.5°	63.0	63.2	63.8	64.1	64.7	65.8	69.4	76.8	88.9	103.6	122.8
60°	61.0	61.6	62.7	63.0	63.5	63.8	65.5	70.1	77.9	89.2	104.8
62.5°	57.9	58.8	59.9	60.1	60.7	61.0	61.2	63.8	67.5	74.3	85.8
63°	57.0	57.9	59.3	59.6	59.9	59.9	60.1	61.9	65.2	71.2	79.6
65°	53.9	55.0	56.0	56.2	56.5	56.5	56.2	56.8	57.0	59.6	64.7
67.5°	50.6	51.4	51.9	52.2	51.9	52.2	51.9	51.4	50.8	51.4	53.7
70°	47.2	47.7	47.7	48.0	48.3	48.6	48.0	47.5	46.8	46.6	48.0
72.5°	43.2	43.7	43.7	44.0	44.0	44.7	44.7	44.4	44.4	44.7	44.9
75°	39.3	39.8	39.5	40.1	40.1	40.9	40.9	41.2	41.8	41.6	41.2
77.5°	35.5	35.9	35.9	36.2	36.4	37.8	38.7	39.0	39.0	38.4	37.8
80°	31.6	31.6	31.1	30.8	31.1	32.4	34.2	34.4	35.3	35.0	35.3
82.5°	26.5	25.4	24.6	24.6	25.2	26.0	26.5	27.2	27.7	27.7	28.2
85°	20.3	19.2	18.3	18.7	19.5	19.8	19.5	19.5	20.6	21.5	20.6
87.5°	12.1	11.0	10.5	9.6	9.8	10.8	10.5	9.6	9.8	7.9	7.4
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°	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2
2.5°	301.0	300.7	300.1	299.3	299.1	298.4	298.8	297.9	297.3	296.8	296.0
5°	311.4	311.4	309.7	309.7	308.9	308.6	306.6	305.8	304.1	304.7	302.7
7.5°	318.8	319.6	317.6	317.4	316.3	316.0	313.4	312.5	311.2	310.6	308.9
10°	324.1	324.1	321.7	319.6	318.2	316.8	314.3	313.2	312.0	312.3	311.2
12.5°	328.4	326.4	322.7	319.9	317.9	316.5	314.5	313.7	313.4	315.4	315.6
15°	331.8	328.9	324.5	322.5	320.7	320.5	320.5	321.3	323.3	326.9	329.8
17.5°	333.8	332.0	329.8	329.2	332.0	333.8	336.0	338.5	341.3	346.4	349.5
20°	337.4	338.5	340.2	342.5	347.0	351.3	354.1	357.7	361.1	367.4	372.4
22.5°	347.0	353.5	358.9	363.4	370.2	376.1	379.8	384.9	387.4	391.6	399.6
25°	359.5	372.7	384.0	393.6	404.0	410.3	415.3	421.9	425.8	432.8	439.9
27.5°	355.8	374.7	391.6	409.4	423.8	439.9	451.2	462.0	468.7	479.2	488.5
30°	344.5	367.0	389.9	413.4	436.3	459.4	480.8	500.3	515.3	530.3	545.5
32.5°	329.2	355.2	383.1	411.9	441.9	474.1	503.7	533.1	557.9	579.7	600.8
35°	311.7	341.1	370.2	405.7	442.7	483.7	524.9	565.6	603.4	641.8	667.8
37.5°	290.9	320.7	353.3	394.2	437.6	488.2	540.7	593.8	647.5	699.2	744.0
40°	268.5	299.1	333.2	377.5	426.6	485.4	550.9	622.3	696.1	770.9	830.5
42.5°	248.8	280.1	317.4	362.3	415.6	481.7	559.1	646.8	737.0	829.5	917.1
45°	229.5	264.0	303.2	351.5	410.9	484.6	571.2	669.7	773.7	886.0	992.7
47.5°	212.3	247.4	285.5	338.2	403.7	485.9	583.1	692.6	808.4	930.1	1056.9
50°	196.8	230.7	268.3	321.3	392.7	485.1	593.8	713.3	838.3	964.9	1106.3
52.5°	181.6	216.0	254.4	305.0	379.2	480.3	598.9	730.2	866.0	999.8	1146.1
55°	166.6	200.5	239.2	289.4	361.5	467.9	598.3	741.1	888.0	1032.8	1184.5
57.5°	149.1	181.2	219.1	272.2	342.5	448.7	589.8	746.3	906.9	1065.6	1230.6
60°	127.4	157.5	194.0	247.0	317.6	424.1	572.0	743.4	917.9	1089.9	1269.7
62.5°	100.5	126.7	160.1	212.0	286.6	388.8	538.8	717.7	900.4	1086.5	1288.1
63°	94.9	119.7	152.2	203.6	273.4	379.2	528.8	707.6	892.0	1079.5	1285.6
65°	76.3	92.3	118.3	164.4	228.7	332.0	479.7	655.3	846.5	1029.7	1248.9
67.5°	58.4	66.6	80.5	112.6	161.8	261.1	388.5	555.4	734.7	906.9	1130.6
70°	49.9	53.7	59.6	74.8	102.8	164.9	272.7	414.2	569.5	718.9	919.9
72.5°	45.5	47.2	50.3	56.8	70.6	98.9	173.9	269.6	387.4	512.4	667.8
75°	41.8	43.2	45.7	49.1	54.2	65.8	99.1	164.9	251.8	336.6	450.7
77.5°	38.1	39.0	41.8	44.9	48.3	54.2	65.5	94.9	144.9	198.5	271.6
80°	35.0	34.4	36.4	41.6	44.9	48.3	51.7	61.6	82.5	108.7	146.8
82.5°	28.0	28.5	30.3	35.3	36.7	35.9	36.4	38.1	46.0	50.3	75.1
85°	19.0	17.5	17.2	17.8	17.8	16.9	16.9	16.7	18.3	20.9	35.9
87.5°	5.1	2.6	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°	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	0°
2.5°	295.3	295.0	295.3	293.9	293.9	293.7	293.4	292.8	292.8	291.7	292.5	2.5°
5°	301.0	300.4	299.3	297.6	296.8	295.6	295.6	294.5	293.7	292.5	292.8	5°
7.5°	307.5	307.8	305.8	304.4	303.8	302.7	303.0	301.2	301.6	300.7	300.1	7.5°
10°	311.2	311.2	311.7	311.4	312.0	312.0	312.8	311.7	311.2	310.4	310.4	10°
12.5°	317.1	318.2	320.5	320.5	322.2	322.7	323.0	323.6	322.5	321.9	319.9	12.5°
15°	331.8	334.6	336.6	339.4	342.8	343.9	343.9	342.8	342.2	341.3	337.7	15°
17.5°	356.1	362.3	363.9	368.5	369.0	370.5	374.4	372.1	370.8	364.8	363.6	17.5°
20°	380.9	388.8	396.7	402.4	405.2	410.9	411.7	410.6	404.9	399.3	396.7	20°
22.5°	410.9	422.7	431.7	440.5	444.7	447.6	453.8	452.3	447.8	439.4	436.0	22.5°
25°	453.2	467.9	477.5	488.2	493.9	496.7	502.9	502.9	498.0	495.5	495.2	25°
27.5°	506.5	524.7	540.4	544.1	558.8	562.2	568.1	568.1	563.6	560.5	575.4	27.5°
30°	565.8	584.8	612.1	630.5	648.3	665.8	665.5	666.6	672.0	674.8	681.3	30°
32.5°	625.2	648.6	677.6	717.5	755.5	788.1	830.2	857.0	848.8	825.9	816.9	32.5°
35°	697.1	723.1	758.4	798.5	868.3	910.4	930.7	945.1	946.7	949.8	956.4	35°
37.5°	777.3	820.8	861.8	907.3	945.9	997.0	1044.1	1082.0	1090.8	1108.5	1098.3	37.5°
40°	878.7	927.3	970.2	1028.9	1080.8	1142.4	1209.9	1261.9	1282.8	1276.0	1225.2	40°
42.5°	984.9	1045.0	1095.2	1164.5	1231.9	1313.3	1383.0	1455.5	1468.5	1416.3	1340.3	42.5°
45°	1082.6	1157.1	1219.5	1291.5	1374.0	1471.4	1564.6	1639.1	1636.6	1547.0	1445.4	45°
47.5°	1170.4	1261.9	1338.1	1431.8	1520.5	1636.6	1743.5	1798.7	1766.1	1660.3	1535.8	47.5°
50°	1242.9	1357.0	1451.1	1545.9	1658.5	1798.3	1901.5	1932.4	1869.7	1754.6	1623.5	50°
52.5°	1301.3	1444.6	1550.2	1659.4	1801.8	1948.8	2037.5	2025.9	1944.9	1826.5	1696.2	52.5°
55°	1350.8	1511.5	1637.4	1766.4	1942.9	2078.4	2137.4	2106.4	1993.2	1873.2	1745.8	55°
57.5°	1401.9	1576.4	1717.6	1867.3	2063.7	2180.1	2212.8	2149.0	2016.1	1891.0	1767.3	57.5°
60°	1453.1	1630.6	1788.5	1955.3	2155.2	2263.1	2254.1	2158.7	2009.2	1877.9	1752.8	60°
62.5°	1487.5	1662.8	1829.6	2009.5	2223.8	2305.5	2250.2	2124.5	1970.1	1826.8	1709.9	62.5°
63°	1488.3	1663.9	1832.2	2013.3	2231.5	2306.8	2242.5	2112.3	1957.6	1816.4	1697.3	63°
65°	1470.6	1642.8	1809.6	1996.6	2225.0	2274.4	2176.7	2040.6	1886.7	1744.1	1631.2	65°
67.5°	1379.6	1555.2	1702.6	1878.9	2108.7	2122.8	2000.5	1890.7	1752.3	1604.7	1486.6	67.5°
70°	1196.4	1342.4	1486.9	1634.0	1826.8	1824.4	1709.4	1653.5	1532.3	1364.0	1269.5	70°
72.5°	951.5	1082.6	1184.2	1282.8	1409.8	1384.1	1310.2	1325.7	1247.2	1121.6	1065.4	72.5°
75°	706.4	850.5	900.2	940.2	993.9	994.2	1014.5	1058.5	1057.4	987.7	916.8	75°
77.5°	463.3	620.9	637.6	669.7	734.1	821.7	912.0	1009.1	1033.5	978.3	873.6	77.5°
80°	258.3	422.2	402.9	430.6	500.1	619.0	752.2	859.5	922.8	892.0	781.0	80°
82.5°	132.1	243.4	232.6	271.1	327.3	430.6	518.7	601.1	675.6	671.4	629.3	82.5°
85°	68.6	133.3	151.6	171.7	199.9	236.9	270.3	294.2	325.3	380.1	398.7	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.0	20.3	14.7	40.4	57.6	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°
296.2	296.2	296.2	296.2	296.2	296.2	296.2
292.8	293.1	292.5	292.5	292.8	292.8	292.2
292.2	292.2	291.7	291.1	290.6	290.6	289.9
298.8	298.8	296.8	296.0	294.5	293.4	292.8
308.3	306.6	304.4	302.7	300.4	297.9	296.5
317.9	315.4	312.5	310.1	307.3	304.4	303.0
333.8	330.4	326.7	323.6	319.6	315.4	313.7
358.0	352.6	347.9	343.3	336.3	333.2	329.8
390.3	382.3	376.1	368.5	359.7	356.9	352.6
429.2	422.4	409.9	404.4	395.5	391.4	392.2
488.5	479.7	465.3	460.0	459.1	449.8	445.3
565.8	566.4	553.2	538.8	530.9	516.2	497.5
676.0	668.4	652.8	638.1	619.5	591.8	560.7
809.2	792.3	766.6	739.2	706.2	663.5	620.1
939.4	909.7	868.8	823.1	775.3	722.3	660.7
1053.8	1007.8	946.4	894.0	826.4	760.1	685.0
1158.2	1101.2	1022.2	954.1	874.5	789.2	700.2
1259.3	1187.0	1090.2	998.1	908.1	808.7	707.6
1355.6	1262.4	1147.5	1037.9	932.6	821.3	708.7
1429.5	1328.0	1198.9	1066.7	949.5	831.0	708.7
1498.2	1383.3	1238.1	1089.3	965.4	837.5	709.3
1551.6	1422.3	1263.5	1105.4	977.8	842.3	711.8
1590.3	1447.7	1280.5	1115.3	986.8	849.0	717.5
1617.3	1464.4	1289.8	1124.0	997.8	860.9	733.3
1630.4	1495.1	1305.4	1141.6	1016.8	886.0	764.9
1620.4	1542.8	1349.6	1171.2	1043.0	925.3	815.4
1616.3	1551.6	1361.9	1177.7	1048.9	933.8	833.0
1583.2	1560.3	1411.8	1210.5	1077.2	971.3	881.8
1480.7	1525.9	1453.9	1265.8	1137.9	1062.5	973.1
1348.0	1474.7	1446.2	1272.8	1176.6	1137.3	1030.6
1189.0	1320.3	1293.8	1178.9	1134.0	1138.2	1015.6
935.8	1034.3	1016.8	976.4	985.4	1016.5	869.9
749.6	736.4	696.1	698.9	751.1	787.5	626.3
612.4	495.9	443.3	444.7	536.0	573.8	399.0
582.8	469.0	382.1	333.8	389.9	375.5	208.4
415.0	416.0	345.1	280.4	271.6	231.0	129.8
98.2	78.8	56.2	41.8	44.0	29.1	14.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)