

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: P153291

Luminaire Tested: **VXS-E02-LED-E1-SLR-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153291
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-E02-LED-E1-SLR-7050
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5710.2 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 52.1
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



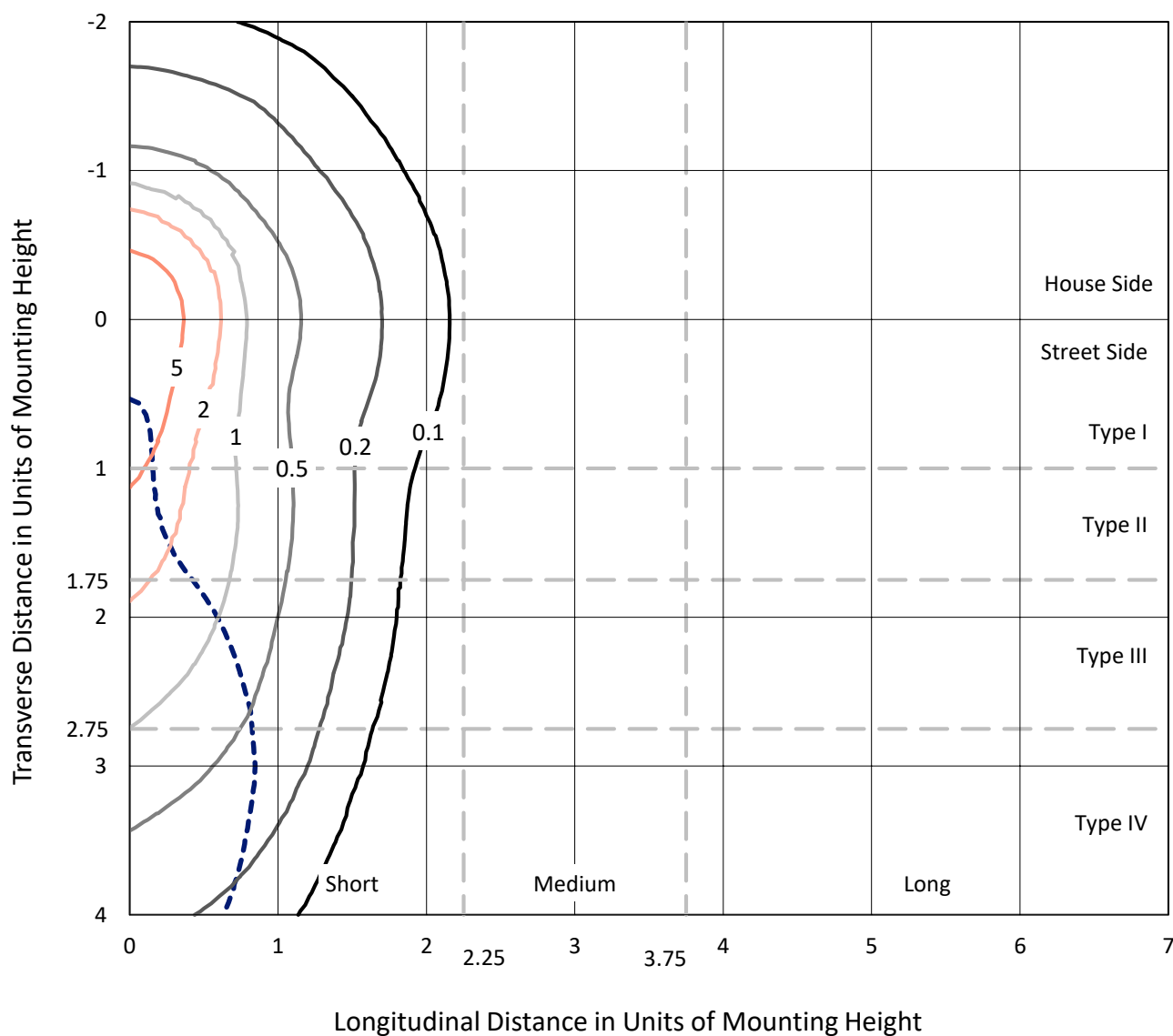
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

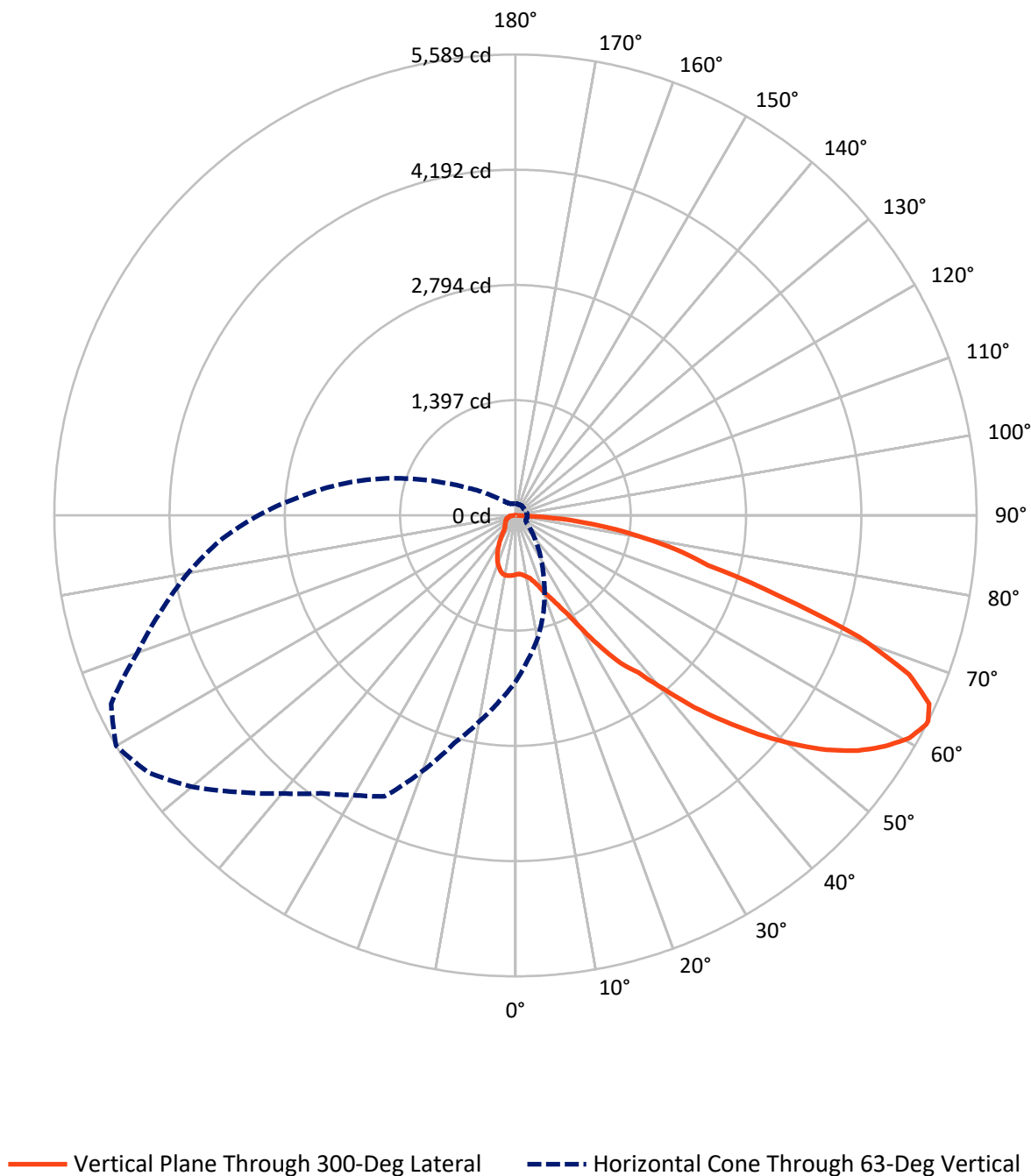


Based on 10 foot mounting height. Maximum calculated value = 9 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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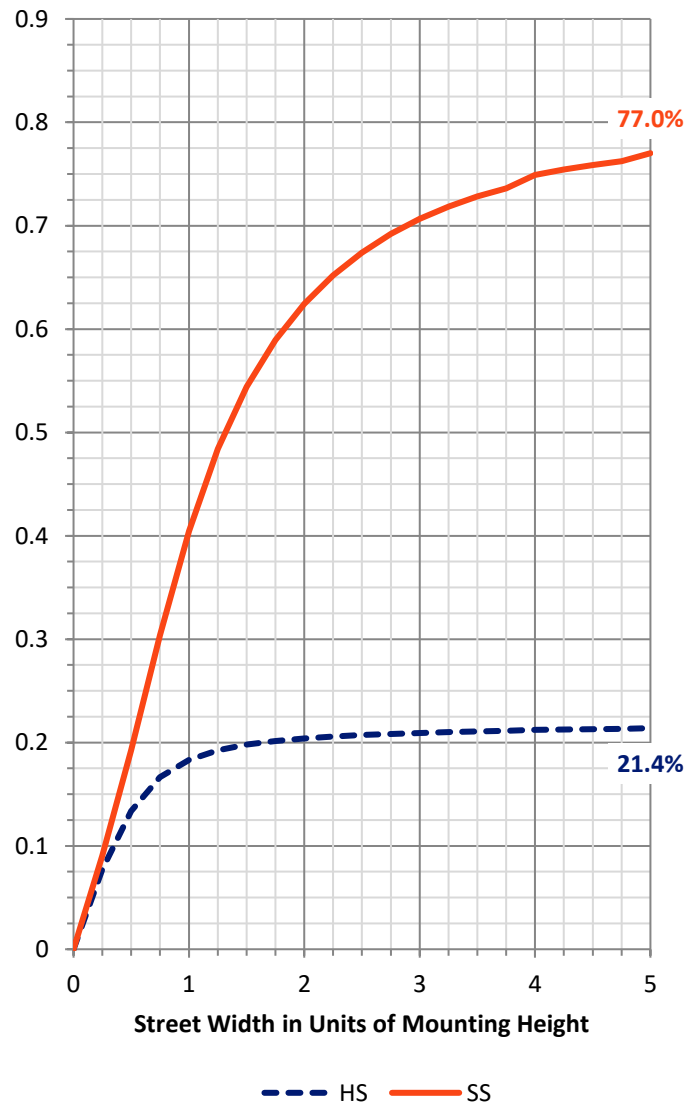
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1238.2	0.0	1238.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4471.9	0.0	4471.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	5710.2	0.0	5710.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	1.2
10°-20°	217.6	3.8
20°-30°	386.5	6.8
30°-40°	608.6	10.7
40°-50°	895.7	15.7
50°-60°	1189.8	20.8
60°-70°	1310.5	23.0
70°-80°	822.2	14.4
80°-90°	209.4	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°	5710.2	100.0
0°-180°	5710.2	100.0

Coefficient of Utilization



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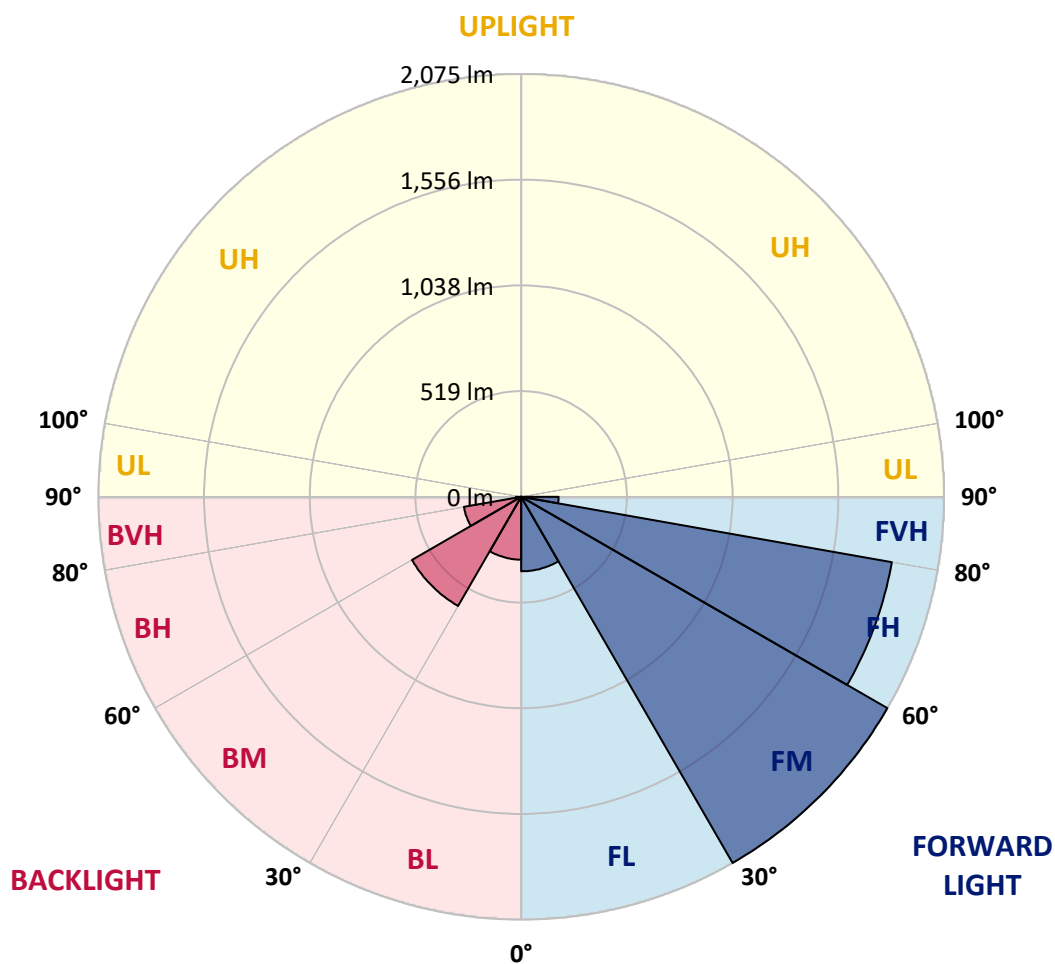
CATALOG NUMBER: VXS-E02-LED-E1-SLR-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	365.6	6.4			
FM	(30°-60°)	2075.2	36.3			
FH	(60°-80°)	1847.3	32.4			G2/5000
FVH	(80°-90°)	183.8	3.2			G2/225
BL	(0°-30°)	308.3	5.4	B1/500		
BM	(30°-60°)	618.9	10.8	B1/1000		
BH	(60°-80°)	285.4	5.0	B1/500		G1/500
BVH	(80°-90°)	25.6	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-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	708.0	710.1	709.4	709.4	710.8	710.1	710.1	710.8	710.8	712.8	715.5
5°	702.6	701.9	700.5	701.9	701.9	701.9	699.2	701.1	701.9	703.2	703.2
7.5°	709.4	707.4	704.6	705.3	705.3	703.9	701.9	702.6	701.9	701.9	701.1
10°	718.2	713.5	710.1	710.1	710.1	708.7	705.3	707.4	707.4	706.6	707.4
12.5°	734.0	728.5	724.5	723.1	723.1	721.0	718.2	721.0	719.7	719.7	718.2
15°	760.0	753.9	749.0	745.0	745.6	745.6	742.2	740.2	737.4	734.0	727.2
17.5°	799.0	792.1	786.0	782.6	783.2	778.4	768.9	759.3	746.3	733.4	719.0
20°	854.4	852.3	844.1	840.7	832.5	820.9	794.2	771.6	746.3	721.7	697.1
22.5°	950.2	940.6	932.4	919.4	892.0	859.9	815.4	775.8	736.1	701.1	668.3
25°	1078.8	1061.7	1021.3	981.7	925.6	868.1	807.9	756.6	707.4	661.5	621.1
27.5°	1205.3	1153.4	1081.6	1009.6	927.6	852.3	777.1	716.3	658.8	608.8	564.4
30°	1358.5	1271.0	1160.8	1047.4	931.0	829.7	739.5	668.3	602.0	549.3	502.8
32.5°	1502.2	1375.6	1231.3	1082.2	938.5	808.6	696.4	615.6	547.3	480.9	435.0
35°	1600.7	1436.6	1261.5	1085.6	920.1	768.2	642.4	547.3	478.9	417.3	363.2
37.5°	1659.6	1463.2	1262.8	1061.0	877.0	713.5	573.9	479.5	416.6	357.7	315.3
40°	1696.5	1469.4	1245.0	1025.4	822.3	644.4	505.5	420.7	363.2	316.1	283.2
42.5°	1714.3	1459.8	1216.3	980.3	766.8	582.8	457.6	377.6	327.7	294.2	269.5
45°	1717.0	1442.7	1185.5	939.3	717.6	538.3	424.8	359.8	318.8	290.8	266.1
47.5°	1717.0	1427.7	1160.8	909.1	685.4	519.2	422.1	367.4	326.9	295.5	266.1
50°	1718.3	1422.9	1150.6	894.1	674.5	529.4	445.3	390.6	344.8	303.7	265.4
52.5°	1724.6	1429.0	1158.9	905.7	694.3	570.5	489.1	425.5	368.0	313.3	265.4
55°	1738.2	1449.5	1193.7	946.1	747.7	632.7	541.8	463.1	386.5	317.4	261.3
57.5°	1776.6	1501.6	1257.3	1024.0	838.7	704.6	589.6	489.8	393.4	314.0	253.1
60°	1853.2	1604.9	1366.1	1133.5	935.1	766.1	617.7	493.9	387.2	303.0	240.1
62.5°	1975.5	1723.2	1498.1	1252.5	1020.6	800.3	621.1	483.6	370.8	283.2	220.9
63°	2018.0	1752.5	1526.1	1275.1	1031.6	803.1	618.4	479.5	366.6	277.7	218.2
65°	2136.4	1876.4	1623.3	1354.5	1062.4	803.8	603.3	459.0	347.5	256.5	199.1
67.5°	2357.3	2039.2	1745.7	1416.7	1073.3	781.9	565.1	420.7	307.2	223.7	175.1
70°	2496.9	2130.2	1793.0	1418.0	1041.1	719.7	498.7	358.4	255.9	185.4	150.5
72.5°	2460.6	2040.6	1668.5	1290.2	902.3	601.3	400.8	281.9	199.8	148.4	125.2
75°	2107.7	1698.5	1361.3	999.4	682.0	441.9	293.5	201.1	147.8	116.3	104.7
77.5°	1517.3	1222.4	976.2	712.1	459.7	285.9	194.9	143.6	112.2	95.8	86.2
80°	966.6	716.9	597.2	428.2	268.8	177.2	134.1	108.8	92.3	80.0	73.9
82.5°	504.9	353.7	287.4	218.9	149.1	117.0	98.5	88.9	76.0	66.3	62.9
85°	314.7	208.6	154.6	108.1	74.6	67.0	61.6	60.2	54.1	47.9	45.8
87.5°	35.5	32.1	33.5	21.2	15.8	17.1	16.4	21.9	21.2	15.8	16.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	712.8	714.2	714.2	716.3	716.3	717.6	719.0	719.0	720.3	721.0	722.4
5°	704.6	704.6	704.6	707.4	708.0	712.1	713.5	714.8	716.3	721.0	723.7
7.5°	702.6	699.8	701.1	701.1	703.2	706.6	710.1	712.1	714.2	720.3	724.5
10°	706.6	704.6	702.6	702.6	703.2	704.6	707.4	709.4	710.8	716.9	720.3
12.5°	717.6	712.8	708.7	705.3	702.6	701.9	700.5	701.1	702.6	706.0	710.8
15°	719.7	710.8	701.9	693.0	686.1	682.0	678.5	677.2	677.2	679.3	684.8
17.5°	706.0	690.9	677.9	666.3	658.8	651.2	647.8	645.1	643.7	646.4	647.2
20°	676.6	658.8	640.9	627.3	613.6	611.6	606.1	607.5	608.8	613.0	615.0
22.5°	636.2	615.0	593.1	578.8	567.8	558.2	552.0	554.8	556.8	560.9	563.0
25°	586.9	556.2	532.8	518.5	506.9	498.7	491.8	494.6	491.8	496.7	504.1
27.5°	528.8	492.5	467.9	451.5	443.3	436.5	429.6	429.6	436.5	436.5	442.6
30°	458.3	431.6	399.5	382.4	372.1	368.0	367.4	366.0	370.8	373.5	380.3
32.5°	392.0	359.2	328.4	311.9	303.0	298.2	299.0	299.6	301.7	305.8	316.7
35°	325.0	296.2	274.3	255.9	246.9	238.0	238.0	236.7	238.8	243.5	256.5
37.5°	281.9	256.5	239.4	225.1	216.2	210.7	205.9	203.8	203.8	205.9	210.7
40°	257.9	239.4	223.7	211.4	203.2	198.3	195.6	193.6	192.2	192.2	193.0
42.5°	246.9	227.8	212.0	201.1	194.9	192.2	191.5	190.9	188.8	188.1	187.5
45°	241.5	219.6	201.8	193.0	188.1	186.7	187.5	187.5	186.7	185.4	182.7
47.5°	237.4	212.0	194.3	186.1	184.0	184.0	184.0	184.0	183.3	182.7	180.6
50°	230.6	200.4	181.2	175.1	173.8	173.8	174.4	174.4	175.9	174.4	173.1
52.5°	223.0	189.5	170.4	164.9	164.1	163.5	163.5	163.5	164.1	164.1	163.5
55°	214.8	181.2	164.9	160.7	161.5	160.7	160.1	159.4	159.4	158.7	157.3
57.5°	206.6	174.4	160.7	158.0	158.7	158.7	157.3	156.0	155.2	153.3	151.8
60°	194.3	164.9	152.5	151.2	153.3	153.3	153.3	152.5	152.5	151.8	148.4
62.5°	177.8	151.2	141.6	142.3	143.0	144.4	144.4	144.4	144.4	143.0	139.6
63°	174.4	148.4	139.6	139.6	141.6	141.6	142.3	141.6	142.3	140.9	136.8
65°	160.7	139.6	132.7	133.4	134.7	134.7	134.7	134.1	134.1	132.0	129.9
67.5°	145.0	128.6	124.5	125.2	125.9	127.3	126.5	126.5	127.3	125.9	123.8
70°	127.3	117.0	114.2	114.9	115.6	115.6	114.9	114.9	115.6	114.2	112.2
72.5°	113.6	109.4	107.4	107.4	106.0	106.0	104.7	103.9	103.3	103.3	101.2
75°	95.8	95.1	95.8	97.1	95.8	94.4	93.7	91.7	90.3	90.3	89.6
77.5°	82.1	82.1	83.4	85.5	86.2	86.2	84.1	80.7	80.0	80.0	80.0
80°	71.2	69.7	69.7	71.8	73.9	73.2	69.7	66.3	66.3	69.7	70.5
82.5°	62.3	62.3	60.2	60.9	60.2	59.5	56.1	54.1	53.4	56.1	58.9
85°	49.2	49.9	49.2	48.6	47.9	45.8	43.1	41.0	40.3	43.1	47.2
87.5°	19.8	19.2	18.4	19.2	18.4	19.8	19.2	17.8	17.1	19.2	23.2
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°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	723.1	724.5	725.8	725.8	727.2	726.5	727.2	727.9	727.9	728.5	728.5
5°	727.2	729.2	731.9	734.7	735.3	737.4	739.5	738.1	740.2	742.9	742.9
7.5°	728.5	733.4	735.3	739.5	740.2	742.9	747.7	744.2	748.4	750.5	751.1
10°	726.5	731.3	734.7	739.5	741.6	746.3	751.1	749.7	754.5	757.9	758.7
12.5°	714.2	719.0	726.5	733.4	738.8	746.3	755.2	752.4	759.3	763.4	765.5
15°	690.3	695.0	703.2	714.2	724.5	736.1	747.7	749.7	756.6	761.3	763.4
17.5°	652.6	658.8	667.7	679.3	692.2	712.1	727.2	734.7	744.2	747.0	750.5
20°	617.7	623.8	629.3	636.2	645.8	664.9	684.8	699.8	712.1	722.4	725.1
22.5°	571.2	576.7	583.5	589.0	595.9	609.5	625.9	643.0	662.2	668.3	675.1
25°	515.1	518.5	528.1	531.5	536.3	548.0	560.9	573.3	591.7	604.8	608.2
27.5°	454.9	458.3	467.3	469.2	475.4	486.4	496.0	500.7	517.8	531.5	542.5
30°	385.2	394.0	405.0	406.3	413.2	420.0	428.9	433.7	449.4	463.8	477.5
32.5°	325.0	333.8	342.7	348.2	351.6	357.1	366.0	370.8	385.8	398.9	412.5
35°	263.3	274.3	283.9	291.4	294.2	301.0	307.9	312.6	328.4	340.0	349.5
37.5°	216.9	225.1	235.3	242.8	250.4	255.1	263.3	270.3	279.8	285.9	296.2
40°	194.3	198.3	203.8	210.1	216.2	221.7	227.8	233.3	239.4	247.7	254.5
42.5°	186.7	187.5	187.5	189.5	193.0	195.6	201.1	205.2	209.3	215.4	218.9
45°	181.2	180.6	179.3	177.8	178.5	179.9	183.3	186.1	190.9	193.6	194.3
47.5°	178.5	175.9	173.1	171.0	170.4	171.0	173.8	176.5	179.3	181.2	182.0
50°	169.6	167.6	163.5	160.7	159.4	160.7	164.1	165.6	168.3	170.4	171.0
52.5°	160.7	158.0	155.2	152.5	152.5	153.3	156.0	158.7	161.5	162.2	163.5
55°	155.2	151.2	148.4	146.4	145.0	147.0	149.1	152.5	156.0	156.7	158.0
57.5°	149.8	145.7	143.0	140.9	139.6	141.6	143.6	148.4	152.5	152.5	152.5
60°	146.4	143.0	138.9	136.8	134.7	136.8	139.6	144.4	148.4	147.8	147.0
62.5°	136.8	133.4	131.3	131.3	129.3	132.7	135.4	140.9	141.6	140.2	138.9
63°	134.1	131.3	129.9	129.9	128.6	132.0	134.7	139.6	139.6	138.1	136.8
65°	127.3	125.2	123.8	125.2	125.2	128.6	129.3	132.7	132.0	129.9	129.3
67.5°	121.8	120.4	119.1	119.1	119.1	119.7	120.4	121.8	121.0	120.4	121.0
70°	112.8	112.2	110.8	110.8	110.2	110.2	110.2	110.8	110.8	111.5	112.2
72.5°	102.0	100.5	100.5	101.2	99.9	100.5	101.2	100.5	102.0	102.0	102.6
75°	89.6	88.9	90.3	91.7	91.0	91.0	91.7	91.7	92.3	92.3	93.1
77.5°	80.0	80.7	81.5	82.8	83.4	83.4	83.4	82.8	83.4	83.4	84.1
80°	71.2	72.5	73.9	75.2	76.0	76.0	76.0	75.2	75.2	75.2	75.2
82.5°	64.4	66.3	67.8	68.4	68.4	68.4	68.4	68.4	68.4	67.0	65.7
85°	54.1	58.1	58.1	58.9	56.8	55.4	54.1	54.7	55.4	52.6	52.0
87.5°	27.4	27.4	28.7	30.1	30.8	30.8	34.9	32.8	32.1	31.5	30.1
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°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	729.2	728.5	729.9	728.5	729.2	729.9	728.5	730.6	731.9	729.9	727.9
5°	744.2	744.2	747.7	749.0	749.7	753.9	751.8	753.2	754.5	753.9	754.5
7.5°	753.9	756.6	760.0	763.4	764.1	767.6	766.8	768.9	770.3	773.7	773.7
10°	762.1	765.5	770.3	773.7	777.1	779.8	781.2	785.3	786.0	788.7	788.7
12.5°	769.5	773.7	778.4	783.9	787.4	792.8	793.5	799.7	801.8	802.4	800.3
15°	768.2	773.0	778.4	784.7	790.8	797.6	801.8	807.9	811.3	812.6	809.2
17.5°	755.2	759.3	766.1	774.4	781.9	790.8	798.3	807.3	812.6	814.1	813.4
20°	729.9	732.6	741.6	752.4	761.3	775.0	786.0	799.7	808.6	815.4	817.5
22.5°	680.0	686.8	695.8	708.0	721.0	738.1	753.9	773.7	792.8	809.2	825.7
25°	619.8	632.1	645.8	662.2	677.9	695.8	713.5	736.1	764.1	798.3	837.3
27.5°	558.9	580.1	597.2	618.4	636.9	654.6	674.5	699.2	729.9	771.0	820.9
30°	497.3	521.2	539.7	564.4	589.0	613.0	632.7	658.8	688.8	730.6	785.3
32.5°	431.6	455.5	477.5	500.1	527.5	556.2	580.1	612.2	644.4	687.5	742.9
35°	363.9	385.2	403.6	427.6	457.6	488.4	519.9	556.8	591.7	636.9	695.8
37.5°	305.1	320.1	337.9	359.2	382.4	415.2	450.8	494.6	534.3	583.5	643.7
40°	256.5	264.8	275.0	292.7	314.0	346.1	381.0	427.6	475.4	529.4	587.6
42.5°	218.9	223.0	225.7	237.4	254.5	285.9	319.5	364.6	417.3	476.1	534.9
45°	194.3	196.4	197.0	203.2	215.4	242.8	277.7	316.1	366.6	424.1	485.7
47.5°	182.7	184.7	186.1	187.5	194.9	216.2	247.7	283.9	330.4	383.1	446.0
50°	173.1	175.1	177.2	176.5	179.9	193.6	220.3	253.8	297.6	346.1	408.4
52.5°	163.5	164.9	164.9	164.9	166.9	175.9	194.9	225.7	266.1	311.9	373.5
55°	158.0	159.4	160.1	160.7	161.5	166.2	180.6	205.2	240.1	282.5	337.9
57.5°	152.5	153.3	154.6	155.2	156.7	159.4	168.3	186.1	215.4	251.1	297.6
60°	147.8	149.1	151.8	152.5	153.9	154.6	158.7	169.6	188.8	216.2	253.8
62.5°	140.2	142.3	145.0	145.7	147.0	147.8	148.4	154.6	163.5	179.9	208.0
63°	138.1	140.2	143.6	144.4	145.0	145.0	145.7	149.8	158.0	172.4	193.0
65°	130.7	133.4	135.4	136.2	136.8	136.8	136.2	137.5	138.1	144.4	156.7
67.5°	122.5	124.5	125.9	126.5	125.9	126.5	125.9	124.5	123.1	124.5	129.9
70°	114.2	115.6	115.6	116.3	117.0	117.6	116.3	114.9	113.6	112.8	116.3
72.5°	104.7	106.0	106.0	106.7	106.7	108.1	108.1	107.4	107.4	108.1	108.8
75°	95.1	96.5	95.8	97.1	97.1	99.2	99.2	99.9	101.2	100.5	99.9
77.5°	86.2	86.8	86.8	87.6	88.3	91.7	93.7	94.4	94.4	93.1	91.7
80°	76.6	76.6	75.2	74.6	75.2	78.7	82.8	83.4	85.5	84.9	85.5
82.5°	64.4	61.6	59.5	59.5	60.9	62.9	64.4	65.7	67.0	67.0	68.4
85°	49.2	46.5	44.5	45.2	47.2	47.9	47.2	47.2	49.9	52.0	49.9
87.5°	29.4	26.6	25.3	23.2	23.9	26.0	25.3	23.2	23.9	19.2	17.8
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°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	729.2	728.5	727.2	725.1	724.5	723.1	723.7	721.7	720.3	719.0	716.9
5°	754.5	754.5	750.5	750.5	748.4	747.7	742.9	740.8	736.8	738.1	733.4
7.5°	772.3	774.4	769.5	768.9	766.1	765.5	759.3	757.3	753.9	752.4	748.4
10°	785.3	785.3	779.2	774.4	771.0	767.6	761.3	758.7	755.9	756.6	753.9
12.5°	795.5	790.8	781.9	775.0	770.3	766.8	762.1	760.0	759.3	764.1	764.8
15°	803.8	796.9	786.0	781.2	777.1	776.4	776.4	778.4	783.2	792.1	799.0
17.5°	808.6	804.5	799.0	797.6	804.5	808.6	814.1	820.2	827.0	839.4	846.8
20°	817.5	820.2	824.4	829.7	840.7	851.0	857.8	866.7	874.9	889.9	902.3
22.5°	840.7	856.5	869.4	880.4	896.8	911.2	920.1	932.4	938.5	948.8	968.0
25°	870.8	903.0	930.4	953.6	978.9	994.0	1006.2	1022.0	1031.6	1048.7	1065.8
27.5°	862.0	907.8	948.8	991.9	1026.8	1065.8	1093.2	1119.2	1135.5	1160.8	1183.4
30°	834.6	889.3	944.7	1001.5	1056.9	1113.0	1165.0	1212.1	1248.4	1284.7	1321.7
32.5°	797.6	860.5	928.3	998.0	1070.6	1148.6	1220.4	1291.5	1351.7	1404.4	1455.8
35°	755.2	826.3	896.8	983.0	1072.6	1171.8	1271.7	1370.2	1461.9	1554.9	1617.8
37.5°	704.6	777.1	855.8	954.9	1060.3	1182.8	1309.9	1438.5	1568.6	1693.8	1802.5
40°	650.6	724.5	807.3	914.6	1033.7	1176.0	1334.6	1507.7	1686.2	1867.5	2011.8
42.5°	602.7	678.5	768.9	877.6	1006.9	1167.0	1354.5	1567.3	1785.4	2009.8	2221.9
45°	556.2	639.6	734.7	851.7	995.3	1173.9	1383.8	1622.6	1874.4	2146.6	2405.2
47.5°	514.4	599.3	691.6	819.5	978.2	1177.3	1412.6	1678.0	1958.4	2253.4	2560.5
50°	476.8	558.9	649.8	778.4	951.5	1175.2	1438.5	1728.0	2031.0	2337.5	2680.2
52.5°	439.9	523.3	616.4	738.8	918.8	1163.6	1450.9	1769.0	2098.0	2422.3	2776.7
55°	403.6	485.7	579.4	701.1	875.6	1133.5	1449.5	1795.6	2151.4	2502.3	2869.6
57.5°	361.1	439.2	530.9	659.5	829.7	1086.9	1429.0	1808.0	2197.2	2581.7	2981.1
60°	308.5	381.8	469.9	598.5	769.5	1027.5	1385.9	1801.1	2223.9	2640.5	3076.3
62.5°	243.5	307.2	387.9	513.8	694.3	942.0	1305.2	1738.9	2181.5	2632.3	3120.7
63°	229.8	290.1	368.7	493.3	662.2	918.8	1281.2	1714.3	2160.9	2615.2	3114.6
65°	184.7	223.7	286.6	398.1	554.1	804.5	1162.3	1587.8	2050.9	2494.8	3025.6
67.5°	141.6	161.5	194.9	273.0	392.0	632.7	941.2	1345.6	1780.0	2197.2	2739.1
70°	121.0	129.9	144.4	181.2	249.0	399.5	660.8	1003.5	1379.8	1741.7	2228.7
72.5°	110.2	114.2	121.8	137.5	171.0	239.4	421.3	653.3	938.5	1241.6	1617.8
75°	101.2	104.7	110.8	119.1	131.3	159.4	240.1	399.5	610.2	815.4	1091.8
77.5°	92.3	94.4	101.2	108.8	117.0	131.3	158.7	229.8	350.9	480.9	658.0
80°	84.9	83.4	88.3	100.5	108.8	117.0	125.2	149.1	199.8	263.3	355.8
82.5°	67.8	69.1	73.2	85.5	88.9	86.8	88.3	92.3	111.5	121.8	182.0
85°	45.8	42.4	41.8	43.1	43.1	41.0	41.0	40.3	44.5	50.6	86.8
87.5°	12.3	6.1	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°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	0°
2.5°	715.5	714.8	715.5	712.1	712.1	711.4	710.8	709.4	709.4	706.6	708.7	2.5°
5°	729.2	727.9	725.1	721.0	719.0	716.3	716.3	713.5	711.4	708.7	709.4	5°
7.5°	745.0	745.6	740.8	737.4	736.1	733.4	734.0	729.9	730.6	728.5	727.2	7.5°
10°	753.9	753.9	755.2	754.5	755.9	755.9	757.9	755.2	753.9	751.8	751.8	10°
12.5°	768.2	771.0	776.4	776.4	780.5	781.9	782.6	783.9	781.2	779.8	775.0	12.5°
15°	803.8	810.7	815.4	822.3	830.5	833.2	833.2	830.5	829.1	827.0	818.1	15°
17.5°	862.6	877.6	881.8	892.7	894.1	897.5	907.0	901.6	898.1	883.8	881.0	17.5°
20°	922.8	942.0	961.1	974.8	981.7	995.3	997.4	994.6	980.9	967.3	961.1	20°
22.5°	995.3	1024.0	1045.9	1067.2	1077.4	1084.2	1099.3	1095.9	1085.0	1064.5	1056.2	22.5°
25°	1097.9	1133.5	1156.8	1182.8	1196.5	1203.3	1218.3	1218.3	1206.7	1200.5	1199.9	25°
27.5°	1227.3	1271.0	1309.3	1318.2	1353.8	1362.0	1376.4	1376.4	1365.4	1357.9	1394.1	27.5°
30°	1370.9	1416.7	1483.1	1527.6	1570.7	1613.1	1612.3	1615.1	1628.1	1634.9	1650.7	30°
32.5°	1514.5	1571.3	1641.8	1738.2	1830.6	1909.2	2011.2	2076.2	2056.3	2000.9	1979.0	32.5°
35°	1689.0	1751.9	1837.4	1934.5	2103.5	2205.5	2254.7	2289.5	2293.7	2301.2	2317.0	35°
37.5°	1883.2	1988.6	2087.8	2197.9	2291.6	2415.4	2529.7	2621.3	2642.6	2685.7	2661.0	37.5°
40°	2128.8	2246.5	2350.5	2492.7	2618.7	2767.8	2931.2	3057.1	3107.8	3091.3	2968.2	40°
42.5°	2386.0	2531.7	2653.5	2821.1	2984.6	3181.7	3350.6	3526.4	3557.8	3431.3	3247.3	42.5°
45°	2622.7	2803.3	2954.5	3128.9	3328.7	3564.7	3790.5	3971.0	3964.9	3748.0	3501.8	45°
47.5°	2835.4	3057.1	3241.8	3468.9	3683.7	3964.9	4224.1	4357.5	4278.9	4022.4	3720.6	47.5°
50°	3011.3	3287.7	3515.4	3745.3	4018.2	4356.9	4606.5	4681.8	4529.9	4250.8	3933.4	50°
52.5°	3152.8	3499.7	3755.5	4020.3	4365.1	4721.5	4936.3	4908.2	4711.9	4425.3	4109.2	52.5°
55°	3272.6	3661.9	3966.9	4279.6	4707.0	5035.4	5178.4	5103.2	4828.8	4538.1	4229.6	55°
57.5°	3396.4	3819.2	4161.2	4523.7	4999.9	5281.7	5361.0	5206.4	4884.2	4581.2	4281.6	57.5°
60°	3520.2	3950.5	4332.8	4737.2	5221.6	5482.8	5460.9	5229.7	4867.9	4549.7	4246.7	60°
62.5°	3603.7	4028.5	4432.7	4868.5	5387.8	5585.4	5451.4	5146.9	4772.7	4425.9	4142.7	62.5°
63°	3605.7	4031.2	4439.0	4877.4	5406.2	5588.8	5432.8	5117.5	4742.7	4400.6	4111.9	63°
65°	3562.6	3979.9	4384.2	4837.1	5390.5	5510.2	5273.5	4943.7	4571.0	4225.5	3951.9	65°
67.5°	3342.4	3767.9	4125.0	4551.8	5108.6	5142.8	4846.6	4580.5	4245.4	3887.6	3601.7	67.5°
70°	2898.4	3252.0	3602.3	3958.8	4425.9	4419.8	4141.3	4005.9	3712.4	3304.8	3075.5	70°
72.5°	2305.3	2622.7	2869.0	3107.8	3415.5	3353.3	3174.1	3211.7	3021.6	2717.1	2581.0	72.5°
75°	1711.5	2060.4	2180.8	2277.9	2407.9	2408.6	2457.8	2564.6	2561.9	2392.8	2221.1	75°
77.5°	1122.6	1504.2	1544.7	1622.6	1778.5	1990.7	2209.5	2444.9	2503.7	2370.3	2116.5	77.5°
80°	625.9	1022.7	976.2	1043.2	1211.5	1499.5	1822.4	2082.3	2235.5	2160.9	1892.1	80°
82.5°	320.1	589.6	563.6	656.7	792.8	1043.2	1256.7	1456.4	1637.0	1626.7	1524.8	82.5°
85°	166.2	322.9	367.4	416.0	484.4	573.9	654.6	712.8	788.1	920.7	965.9	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.0	49.2	35.5	97.8	139.6	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°
717.6	717.6	717.6	717.6	717.6	717.6	717.6
709.4	710.1	708.7	708.7	709.4	709.4	708.0
708.0	708.0	706.6	705.3	703.9	703.9	702.6
723.7	723.7	719.0	716.9	713.5	710.8	709.4
747.0	742.9	737.4	733.4	727.9	721.7	718.2
770.3	764.1	757.3	751.1	744.2	737.4	734.0
808.6	800.3	791.5	783.9	774.4	764.1	760.0
867.4	854.4	842.8	831.8	814.7	807.3	799.0
945.4	926.2	911.2	892.7	871.5	864.7	854.4
1039.8	1023.4	993.3	979.6	958.3	948.1	950.2
1183.4	1162.3	1127.4	1114.3	1112.3	1089.7	1078.8
1370.9	1372.2	1340.1	1305.2	1286.0	1250.5	1205.3
1637.6	1619.2	1581.6	1546.0	1500.8	1433.8	1358.5
1960.5	1919.5	1857.2	1790.9	1710.9	1607.6	1502.2
2275.9	2204.0	2104.9	1994.1	1878.4	1749.8	1600.7
2553.0	2441.5	2293.0	2165.8	2002.3	1841.6	1659.6
2806.0	2667.9	2476.4	2311.5	2118.5	1912.0	1696.5
3051.0	2875.9	2641.2	2418.2	2200.0	1959.2	1714.3
3284.2	3058.4	2780.1	2514.6	2259.5	1989.9	1717.0
3463.4	3217.2	2904.6	2584.5	2300.5	2013.3	1717.0
3629.6	3351.3	2999.7	2639.2	2338.9	2028.9	1718.3
3759.0	3445.7	3061.2	2678.1	2368.9	2040.6	1724.6
3852.6	3507.3	3102.3	2702.1	2390.8	2057.0	1738.2
3918.3	3547.6	3124.9	2723.3	2417.5	2085.7	1776.6
3949.8	3622.2	3162.5	2765.7	2463.3	2146.6	1853.2
3925.9	3737.7	3269.8	2837.5	2526.9	2241.7	1975.5
3915.6	3759.0	3299.3	2853.3	2541.3	2262.2	2018.0
3835.5	3780.2	3420.3	2932.6	2609.7	2353.2	2136.4
3587.3	3696.7	3522.3	3066.7	2756.8	2574.2	2357.3
3265.8	3572.8	3503.8	3083.8	2850.6	2755.4	2496.9
2880.6	3198.8	3134.4	2856.0	2747.3	2757.5	2460.6
2267.0	2505.7	2463.3	2365.5	2387.4	2462.7	2107.7
1816.2	1784.0	1686.2	1693.1	1819.6	1907.9	1517.3
1483.7	1201.2	1074.0	1077.4	1298.3	1390.1	966.6
1411.9	1136.3	925.6	808.6	944.7	909.8	504.9
1005.6	1007.7	836.0	679.3	658.0	559.6	314.7
238.0	190.9	136.2	101.2	106.7	70.5	35.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)