

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: STREETWORKS

Report Number: P159094

Luminaire Tested: **VST-F03-LED-E-U-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159094
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F03-LED-E-U-SLR-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6078.6 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 78.3
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: 28.75 FT



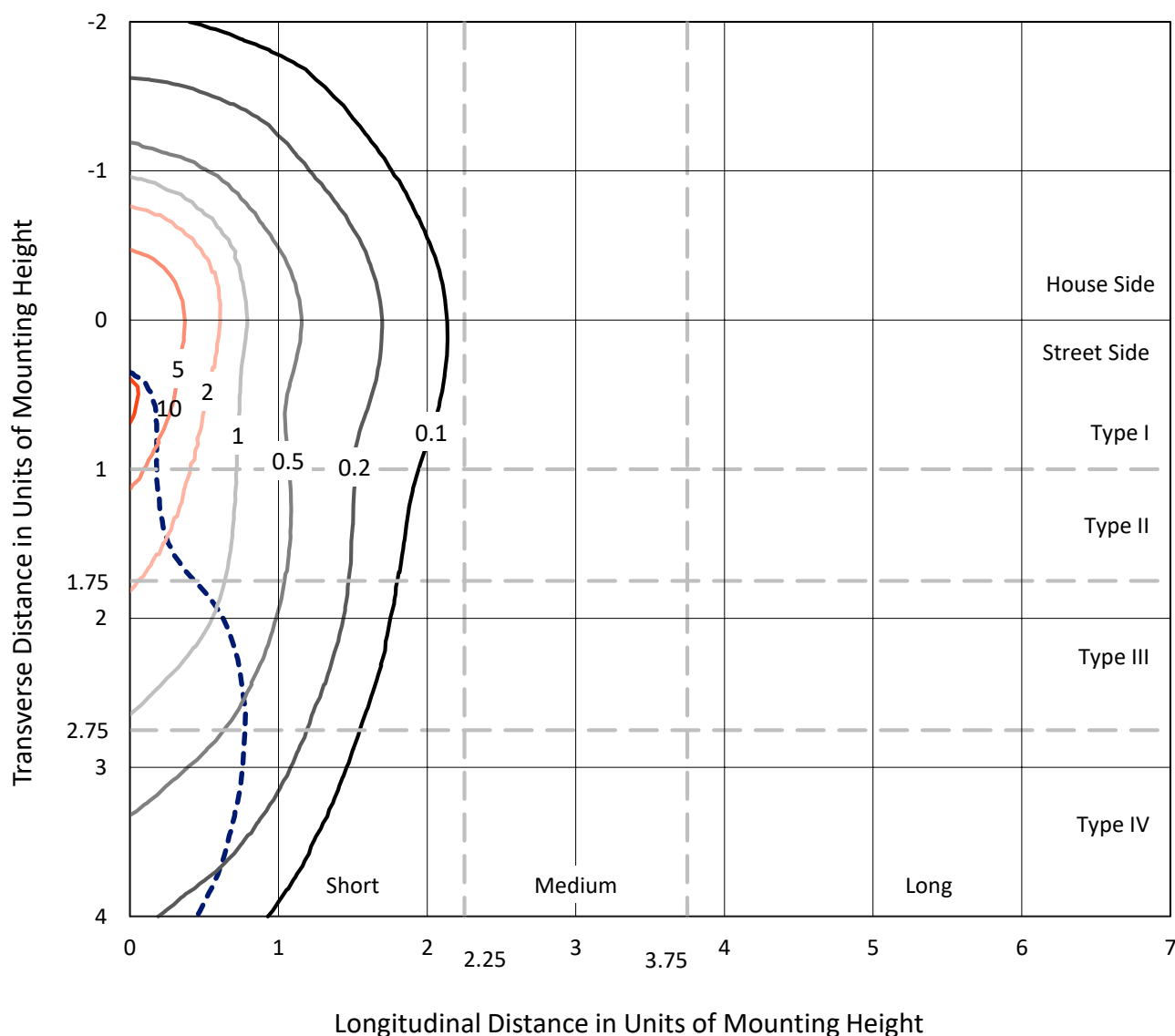
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

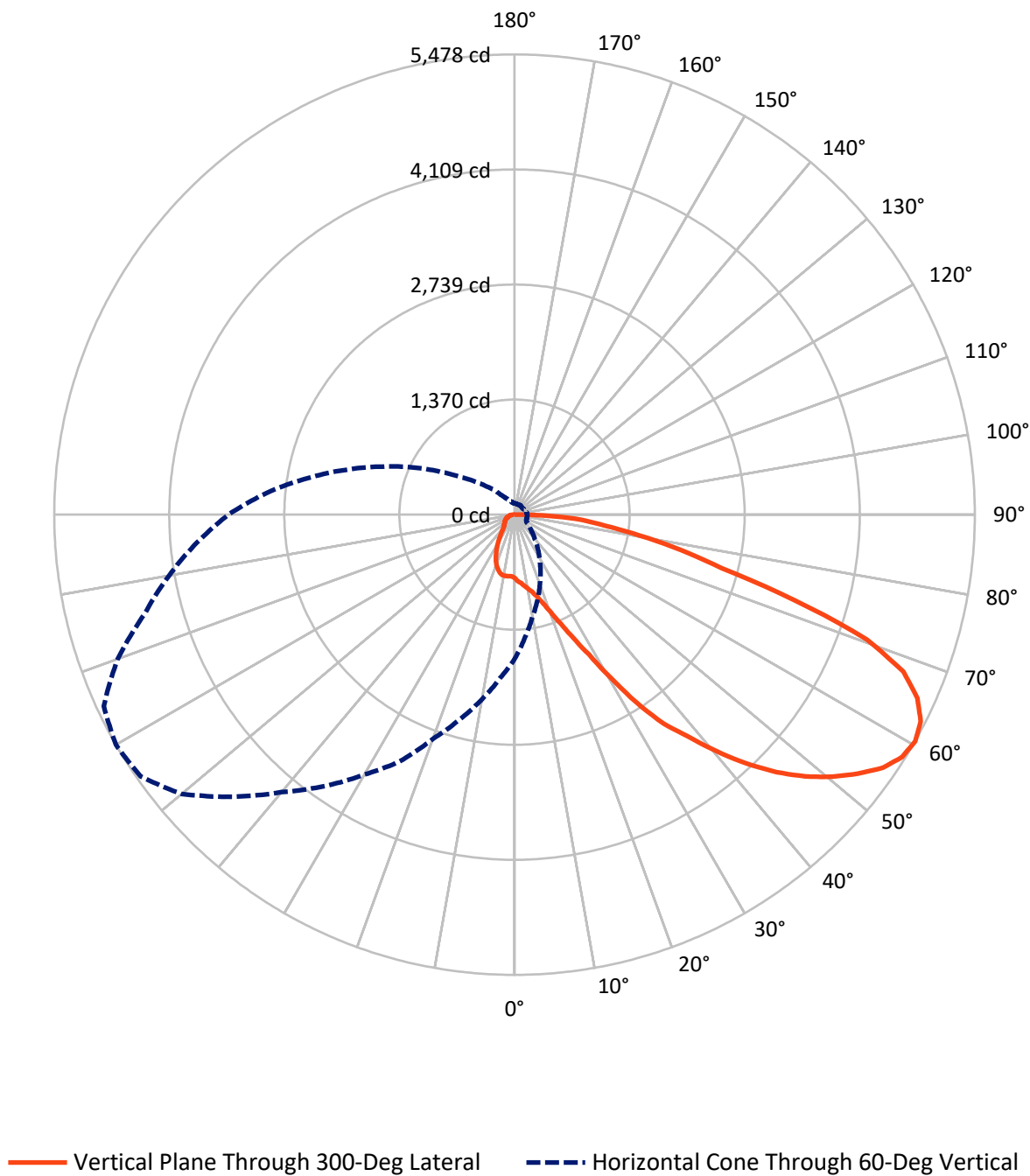


Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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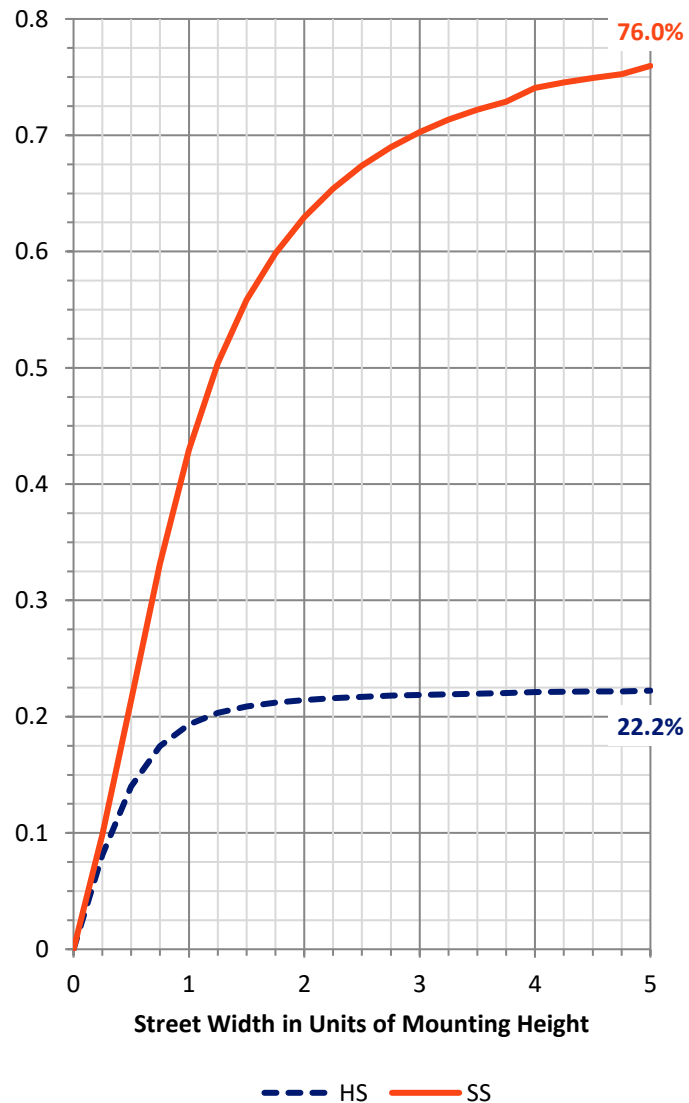
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1368.7	0.0	1368.7
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	4709.9	0.0	4709.9
	% Fixture	77.5	0.0	77.5
Total	Lumens	6078.6	0.0	6078.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	1.2
10°-20°	240.8	4.0
20°-30°	456.9	7.5
30°-40°	719.6	11.8
40°-50°	1004.4	16.5
50°-60°	1242.2	20.4
60°-70°	1287.6	21.2
70°-80°	810.2	13.3
80°-90°	242.2	4.0
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°	6078.6	100.0
0°-180°	6078.6	100.0

Coefficient of Utilization



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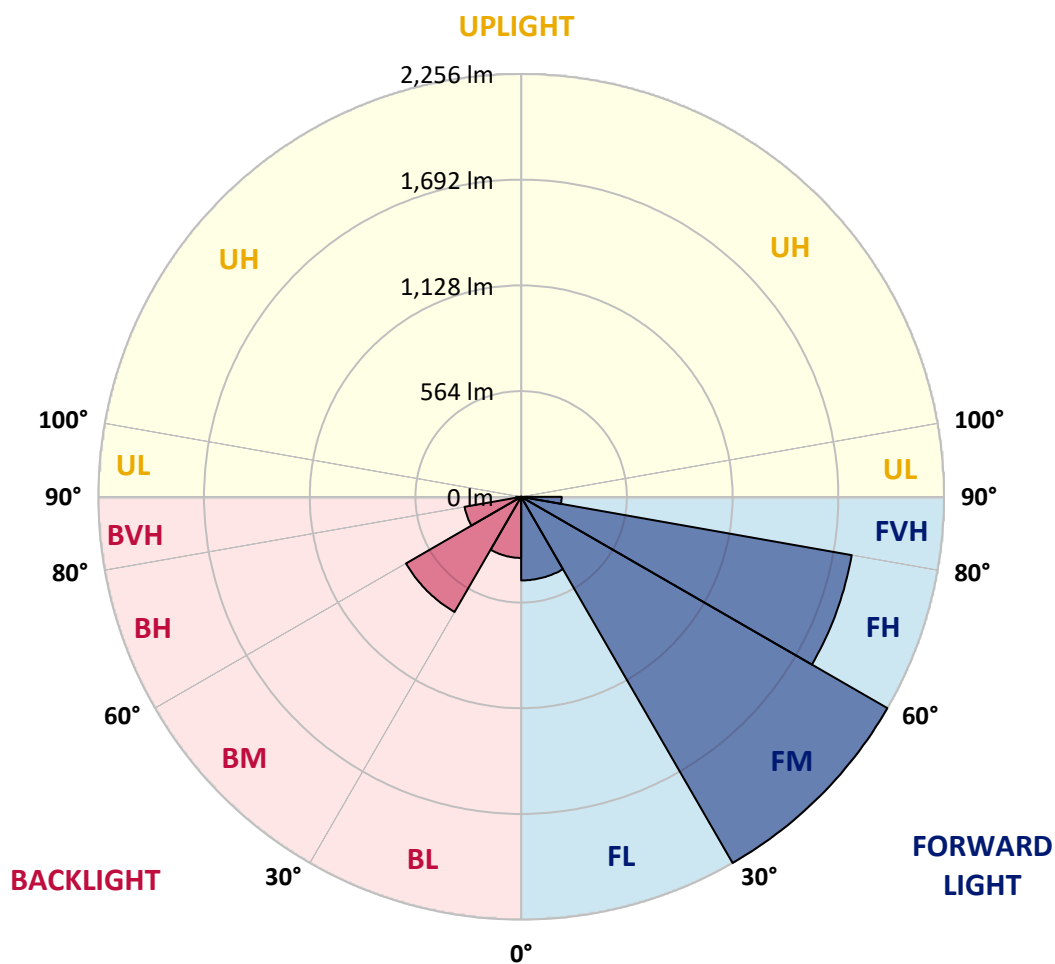
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	446.3	7.3			
FM	(30°-60°)	2256.5	37.1			
FH	(60°-80°)	1791.3	29.5			G1/1800
FVH	(80°-90°)	215.8	3.6			G2/225
BL	(0°-30°)	326.1	5.4	B1/500		
BM	(30°-60°)	709.8	11.7	B1/1000		
BH	(60°-80°)	306.5	5.0	B1/500		G1/500
BVH	(80°-90°)	26.3	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°	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9
2.5°	800.8	752.8	753.7	752.3	752.3	751.4	752.3	751.4	750.5	750.5	751.0
5°	811.1	758.2	758.2	756.8	755.9	755.0	755.9	755.0	754.6	753.7	754.1
7.5°	821.1	761.4	759.6	757.7	755.5	756.4	756.4	755.9	756.4	755.9	756.8
10°	837.4	771.8	767.3	763.2	762.7	761.8	761.8	760.5	760.5	759.6	760.0
12.5°	879.0	803.9	799.0	791.7	790.3	786.2	784.0	781.3	776.8	772.7	769.5
15°	949.1	857.3	847.8	841.4	838.7	830.6	817.9	808.0	794.9	783.5	771.8
17.5°	1035.1	928.7	917.5	909.3	895.7	873.6	852.3	827.9	802.6	779.5	758.2
20°	1155.4	1031.5	1009.3	989.8	955.9	917.9	878.1	835.6	796.7	760.5	729.2
22.5°	1318.3	1164.0	1122.8	1070.8	1007.9	943.7	880.4	821.6	769.5	722.5	680.9
25°	1505.6	1290.7	1216.5	1126.9	1030.6	941.9	858.7	783.1	722.5	661.9	616.6
27.5°	1643.6	1396.6	1287.1	1169.5	1046.4	933.3	831.1	739.7	666.4	604.4	549.7
30°	1722.3	1457.2	1325.5	1187.5	1049.1	918.8	796.2	690.4	605.8	532.0	479.5
32.5°	1772.9	1489.7	1329.6	1169.5	1016.5	875.8	743.3	633.4	541.5	462.8	407.2
35°	1815.5	1502.9	1310.6	1129.2	955.0	810.7	675.4	565.5	468.2	395.8	338.8
37.5°	1832.6	1500.6	1280.3	1075.3	894.8	739.7	606.2	493.6	406.7	342.9	294.1
40°	1829.5	1479.8	1239.1	1017.9	824.3	665.5	532.9	433.9	363.3	309.4	273.7
42.5°	1808.2	1452.2	1193.4	959.5	759.6	604.0	483.2	395.4	338.4	297.7	266.5
45°	1781.5	1419.2	1151.8	906.1	708.5	560.0	454.2	384.5	335.2	296.3	262.9
47.5°	1745.3	1382.5	1109.7	868.1	681.3	547.0	453.8	390.9	337.9	293.2	256.5
50°	1706.0	1355.8	1086.7	851.9	678.1	555.1	469.6	400.8	339.7	290.0	247.9
52.5°	1678.4	1344.1	1086.2	857.8	694.9	577.7	488.2	413.5	346.6	291.8	246.1
55°	1644.5	1342.3	1097.9	883.1	731.5	616.1	517.6	435.2	360.5	298.6	247.4
57.5°	1646.7	1378.0	1143.7	945.5	797.6	668.2	555.1	461.9	374.2	302.6	245.2
60°	1718.2	1461.2	1233.7	1052.3	884.0	729.2	593.5	476.4	373.2	293.6	234.4
62.5°	1865.7	1586.1	1368.5	1177.6	971.8	776.3	607.6	472.3	359.6	274.1	216.7
65°	2041.7	1732.2	1499.7	1274.9	1025.1	787.1	595.4	449.7	332.5	248.8	195.4
67.5°	2217.7	1835.8	1575.2	1302.4	1003.4	743.3	550.1	399.0	286.4	214.4	171.5
70°	2281.0	1857.1	1569.4	1240.5	904.8	634.3	452.8	321.2	229.8	175.5	144.3
72.5°	2186.0	1724.1	1395.2	1054.1	735.6	491.8	332.0	237.1	175.5	137.5	117.6
75°	1833.5	1388.4	1102.9	794.0	531.1	347.9	239.8	172.8	132.1	109.0	94.1
77.5°	1307.0	966.8	751.4	521.6	344.7	241.1	171.9	129.8	104.9	87.3	76.4
80°	821.1	593.5	457.8	313.1	214.9	163.7	123.5	102.7	84.6	71.0	63.8
82.5°	494.5	345.7	269.6	194.5	141.1	112.2	91.0	80.5	67.4	58.8	54.7
85°	335.7	254.2	176.9	114.9	85.1	66.1	62.0	55.6	50.2	42.1	40.7
87.5°	64.3	91.0	79.1	47.0	31.2	26.7	23.5	22.6	20.3	16.3	18.5
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°	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9
2.5°	748.3	747.4	745.6	745.6	744.2	741.5	741.0	739.2	737.0	737.4	737.0
5°	751.0	749.2	746.9	746.0	744.2	741.5	740.1	737.9	735.6	735.6	735.6
7.5°	754.1	751.9	750.1	746.9	743.3	740.6	737.0	734.2	732.9	732.4	732.9
10°	756.8	755.5	752.8	748.3	743.3	737.9	734.2	730.6	727.0	727.4	727.9
12.5°	762.7	758.2	751.0	744.2	736.5	729.7	723.4	718.9	714.4	714.4	714.8
15°	758.6	745.6	735.6	722.5	713.9	703.0	695.8	691.7	689.0	688.1	688.6
17.5°	734.7	718.9	703.9	692.2	680.4	671.8	668.6	665.9	662.3	664.1	662.3
20°	698.5	679.0	657.8	643.7	629.8	623.9	618.4	615.7	613.4	621.6	621.6
22.5°	646.5	622.9	601.3	584.0	568.2	561.9	556.4	553.3	554.6	564.6	565.5
25°	580.9	552.4	523.9	513.5	497.6	492.7	489.5	489.1	490.4	500.3	502.6
27.5°	511.2	481.3	456.9	433.0	425.7	421.6	415.7	422.5	423.9	434.8	439.3
30°	437.0	404.9	379.1	363.3	347.9	350.2	345.2	353.3	356.9	368.3	371.9
32.5°	361.0	330.7	304.9	289.1	278.2	279.6	275.9	283.2	286.8	300.4	307.2
35°	298.6	272.8	252.0	238.4	233.5	228.5	227.6	228.5	232.1	242.5	254.7
37.5°	262.9	241.6	226.7	216.7	209.9	206.8	205.0	205.0	205.0	207.2	213.1
40°	247.4	228.5	215.3	205.9	201.3	199.5	198.1	196.8	194.5	193.6	194.1
42.5°	240.7	218.9	205.0	197.7	195.0	195.0	195.0	194.1	191.8	189.5	187.3
45°	233.9	210.4	196.3	191.3	190.0	190.4	190.4	190.4	188.6	185.9	181.9
47.5°	225.3	200.9	186.8	183.7	183.7	185.0	185.5	185.5	183.7	181.0	177.8
50°	214.9	188.6	176.0	173.3	171.9	171.9	171.9	171.9	170.6	168.7	166.5
52.5°	209.5	181.9	168.7	166.0	166.0	164.7	164.2	162.8	161.5	160.1	157.0
55°	207.7	179.2	165.6	163.3	163.3	161.9	160.6	159.2	157.0	154.7	151.6
57.5°	202.7	173.3	161.5	159.7	159.7	158.8	157.4	156.1	153.8	150.7	146.6
60°	191.3	163.3	153.4	152.9	152.9	152.5	151.6	151.6	149.3	146.1	141.1
62.5°	176.9	152.9	143.4	143.4	143.0	142.5	140.7	140.2	137.5	133.4	128.9
65°	162.8	143.9	137.5	135.7	134.8	133.4	132.5	130.3	128.0	124.4	119.9
67.5°	145.2	130.3	126.2	124.4	122.6	121.3	119.9	118.5	115.8	113.1	109.5
70°	126.2	115.4	113.1	112.6	110.4	109.0	108.6	107.2	104.5	101.8	97.3
72.5°	108.1	101.8	100.0	100.0	97.3	95.5	94.6	94.1	92.3	90.0	86.0
75°	87.3	82.8	82.3	84.6	84.6	83.2	82.3	83.2	80.5	79.1	75.1
77.5°	71.5	69.2	67.9	68.8	71.5	70.1	68.3	68.3	68.3	66.1	64.7
80°	60.6	58.8	57.5	58.4	57.9	57.5	56.5	54.7	54.7	54.7	54.3
82.5°	54.7	54.3	49.3	49.3	47.5	46.1	45.2	44.3	43.4	43.4	45.7
85°	41.2	42.5	39.8	39.4	37.1	35.3	33.5	32.6	31.7	33.0	37.6
87.5°	19.9	19.9	19.0	21.2	19.4	18.5	17.2	16.3	17.2	21.2	25.3
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°	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9
2.5°	736.0	735.6	735.1	734.2	732.4	732.0	731.1	731.1	730.6	729.7	730.6
5°	734.7	735.6	735.6	735.1	733.8	734.7	734.7	736.0	736.0	737.0	739.2
7.5°	732.9	735.1	737.0	738.3	740.1	741.5	744.2	748.3	750.1	753.2	754.6
10°	729.2	733.3	736.5	740.6	745.1	750.1	754.1	760.5	762.7	767.3	769.5
12.5°	718.9	725.6	731.1	739.2	746.9	754.6	761.8	770.0	774.1	779.0	782.2
15°	693.5	701.2	708.9	716.2	729.7	744.7	756.4	767.3	773.2	779.5	782.6
17.5°	663.2	668.2	674.5	684.0	697.1	710.3	729.2	744.7	753.7	760.9	761.8
20°	627.9	635.2	639.7	643.3	653.7	662.8	683.1	700.7	712.5	721.1	723.4
22.5°	574.1	581.8	589.5	592.2	600.3	612.1	623.4	642.4	659.2	671.8	679.5
25°	512.6	519.8	530.2	538.4	540.2	549.7	561.0	582.7	599.9	620.2	629.3
27.5°	451.0	457.4	468.7	473.2	478.6	488.2	497.2	515.3	533.4	556.9	566.9
30°	379.1	392.7	405.8	414.4	418.9	430.2	436.6	454.2	470.9	488.2	502.6
32.5°	317.6	329.8	344.7	355.6	361.0	369.6	379.6	394.5	407.6	424.3	441.1
35°	261.1	277.8	287.7	297.2	311.2	315.3	325.3	338.8	346.6	364.6	383.6
37.5°	221.2	231.2	241.1	250.6	262.4	267.8	277.3	288.6	297.7	308.5	325.7
40°	196.8	202.2	209.5	215.8	224.4	231.2	236.2	245.6	252.4	263.3	275.5
42.5°	185.5	186.8	187.7	192.2	196.8	201.3	206.8	210.8	218.9	227.1	234.8
45°	179.2	176.5	175.1	175.5	177.4	180.1	184.6	189.1	194.5	199.5	204.1
47.5°	173.7	170.1	166.0	163.7	164.2	165.1	168.7	172.4	175.1	179.2	181.0
50°	161.0	157.9	154.3	151.1	151.6	152.0	155.2	157.9	159.7	161.0	163.3
52.5°	152.9	148.4	145.2	142.1	141.6	143.0	145.7	148.4	149.3	150.2	150.7
55°	147.0	142.5	138.4	135.2	133.9	137.1	138.0	141.6	143.0	143.0	143.4
57.5°	142.5	137.1	133.0	129.8	127.6	129.8	132.1	136.2	136.6	135.7	135.7
60°	135.7	131.6	127.6	124.4	122.2	124.0	125.8	130.3	130.3	128.0	127.6
62.5°	124.0	121.7	119.0	117.6	117.2	119.0	120.4	124.0	122.6	119.9	119.0
65°	115.4	113.6	110.8	109.9	109.5	112.2	112.6	114.9	113.1	111.7	111.3
67.5°	104.9	103.6	102.2	101.8	100.4	100.4	101.3	102.7	101.8	101.8	102.2
70°	93.2	91.4	90.0	90.5	89.6	89.6	90.0	91.0	90.5	91.4	92.3
72.5°	82.3	80.1	79.6	79.6	78.7	79.1	79.1	79.6	80.5	81.0	83.2
75°	71.9	69.7	69.7	69.2	69.2	69.2	69.7	70.6	71.5	71.9	72.8
77.5°	62.5	61.1	61.5	61.1	61.1	61.1	61.1	62.5	62.9	63.4	64.7
80°	53.8	53.8	54.3	54.3	53.8	53.4	53.8	54.7	55.2	55.6	56.1
82.5°	48.8	49.3	49.3	49.3	47.0	46.1	47.5	48.4	49.3	49.7	50.6
85°	42.1	40.3	42.1	41.6	38.5	38.0	38.0	38.5	39.4	38.5	38.5
87.5°	27.1	24.4	25.8	25.8	22.6	18.5	23.5	25.3	22.6	24.0	24.0
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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9
2.5°	732.0	731.1	731.5	731.5	732.4	731.1	732.9	734.7	735.1	735.1	735.6
5°	741.5	740.6	743.8	742.4	745.6	745.1	747.4	749.2	750.1	750.1	750.1
7.5°	756.4	759.6	761.4	766.4	766.8	769.5	771.8	774.1	773.2	773.6	773.2
10°	773.2	777.2	781.7	786.7	787.1	790.3	794.0	796.2	795.3	794.9	793.5
12.5°	787.6	790.3	795.8	800.8	803.5	808.4	812.0	813.8	813.8	812.5	811.1
15°	786.7	790.8	796.7	803.9	808.9	816.1	822.5	826.5	827.0	825.6	825.2
17.5°	766.8	772.7	778.1	788.1	797.1	807.1	817.5	823.4	828.8	832.0	833.8
20°	731.1	738.3	746.0	759.1	771.4	784.4	796.7	805.3	813.4	822.9	834.2
22.5°	689.0	699.8	710.7	727.4	742.4	757.3	771.4	781.7	794.4	810.7	832.0
25°	639.7	651.0	664.6	684.0	703.0	724.7	745.6	766.4	790.8	818.8	851.9
27.5°	581.3	594.0	611.6	635.2	656.9	679.0	711.6	744.7	784.4	820.6	858.2
30°	523.4	539.7	558.7	582.2	604.0	635.6	668.2	708.9	751.0	791.7	836.5
32.5°	461.0	481.3	504.9	524.3	548.8	580.9	613.4	656.9	701.6	749.6	799.0
35°	400.8	420.3	438.8	460.6	485.0	515.3	547.0	588.5	645.1	696.2	755.0
37.5°	339.7	357.8	371.0	388.1	409.4	442.9	476.8	524.8	578.2	641.0	699.8
40°	286.4	301.3	316.2	329.8	347.9	379.6	415.7	462.8	515.3	576.4	641.9
42.5°	243.8	255.2	271.4	287.7	303.1	330.2	364.2	410.3	462.4	524.8	590.4
45°	208.1	215.8	228.9	242.5	261.5	284.1	316.7	363.7	416.6	479.5	548.8
47.5°	182.3	185.9	195.0	209.0	226.7	248.8	276.8	319.4	371.0	434.3	507.1
50°	164.7	168.7	173.3	185.0	200.9	223.5	246.5	283.7	330.7	392.7	465.1
52.5°	152.5	154.3	156.1	163.3	177.8	196.8	221.2	249.3	296.8	356.0	421.2
55°	145.2	145.7	147.0	150.7	161.5	179.2	200.4	227.1	264.2	320.3	386.8
57.5°	136.6	137.5	138.9	141.1	148.0	163.7	181.9	203.6	234.4	281.4	345.2
60°	128.5	130.7	133.0	134.3	138.0	147.5	162.8	180.1	205.0	240.2	290.9
62.5°	119.9	122.6	124.4	125.8	127.1	133.0	144.3	155.6	171.0	194.1	232.1
65°	112.2	114.0	115.4	116.3	117.2	119.0	124.0	128.5	133.0	147.0	174.6
67.5°	103.6	104.5	104.9	105.4	104.9	104.9	105.4	107.2	109.0	114.5	127.6
70°	93.7	95.0	95.0	95.5	95.5	94.1	94.1	94.1	94.1	95.5	102.7
72.5°	84.1	86.0	86.0	86.4	86.0	85.5	85.5	85.5	86.9	87.8	90.5
75°	75.1	76.9	76.4	76.9	77.3	77.3	78.2	78.7	80.1	80.5	82.3
77.5°	66.1	67.4	67.9	67.4	68.3	69.2	71.0	71.9	72.4	72.8	73.3
80°	57.5	58.4	57.9	56.5	58.8	60.2	62.9	66.1	65.2	65.6	66.5
82.5°	47.5	46.1	45.2	46.1	47.5	49.3	52.0	56.1	56.5	58.8	58.4
85°	36.7	32.6	32.1	34.4	33.9	36.2	40.7	43.9	46.6	48.8	46.6
87.5°	21.7	19.4	16.3	15.4	16.7	22.1	23.1	28.0	30.3	31.2	28.0
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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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9
2.5°	776.8	779.0	779.0	779.9	781.3	781.7	783.5	786.7	787.1	787.1	788.5
5°	791.2	793.5	793.5	795.3	795.8	798.0	800.3	803.9	805.7	805.3	811.1
7.5°	814.7	812.9	811.6	814.3	815.7	818.4	822.9	826.1	829.3	834.2	842.3
10°	834.7	832.0	830.6	832.4	833.3	836.5	839.2	843.7	851.4	859.1	869.0
12.5°	851.0	847.8	844.2	845.1	846.4	850.5	855.0	860.9	872.2	882.2	897.1
15°	864.5	860.0	856.4	858.2	861.4	866.8	874.5	884.9	903.4	920.6	940.6
17.5°	877.6	876.7	875.4	881.3	883.5	896.2	907.5	926.5	951.8	977.6	1006.1
20°	890.3	900.2	905.2	917.0	924.2	941.5	958.6	981.7	1013.8	1049.1	1088.0
22.5°	908.0	935.1	951.8	975.8	988.0	1006.6	1031.9	1062.2	1097.9	1143.2	1193.0
25°	950.0	989.8	1023.3	1060.9	1091.6	1120.1	1150.4	1187.1	1238.6	1279.8	1345.0
27.5°	968.6	1024.7	1074.9	1127.8	1174.0	1217.9	1265.8	1310.2	1371.2	1426.9	1505.6
30°	950.9	1014.3	1079.4	1148.6	1216.0	1282.6	1352.2	1420.1	1490.6	1568.5	1652.2
32.5°	918.4	989.4	1062.7	1144.1	1227.8	1314.2	1404.7	1503.3	1602.8	1699.7	1785.2
35°	885.4	961.8	1043.2	1136.4	1235.0	1342.3	1454.5	1579.3	1711.0	1833.5	1945.3
37.5°	837.4	921.5	1014.7	1122.4	1239.5	1371.7	1516.0	1669.8	1836.3	2005.0	2151.6
40°	779.5	868.6	970.4	1094.3	1235.0	1402.0	1589.7	1787.0	2000.9	2206.8	2386.9
42.5°	726.5	813.4	922.0	1056.8	1223.3	1428.7	1659.8	1905.5	2158.9	2389.1	2624.3
45°	680.0	775.9	884.9	1030.6	1217.4	1451.3	1711.9	1994.2	2284.1	2558.3	2836.1
47.5°	637.4	737.0	859.1	1016.1	1214.7	1464.8	1748.0	2052.1	2373.2	2688.1	3010.7
50°	593.5	690.4	821.1	1000.3	1207.9	1464.4	1767.1	2091.4	2435.7	2789.0	3131.0
52.5°	546.5	643.7	775.0	971.3	1193.4	1456.3	1772.0	2118.1	2485.0	2851.0	3233.3
55°	503.5	594.4	725.6	922.9	1163.1	1436.3	1760.7	2129.4	2519.8	2912.5	3305.2
57.5°	454.2	548.8	673.6	856.4	1106.1	1401.1	1728.6	2113.6	2529.8	2953.7	3362.2
60°	386.3	479.1	607.6	777.7	1017.0	1326.4	1668.9	2065.6	2498.2	2960.9	3402.9
62.5°	308.5	388.6	512.6	669.1	891.7	1209.2	1558.5	1958.0	2399.5	2893.1	3382.1
65°	229.4	282.7	389.5	527.0	746.5	1032.8	1380.7	1777.4	2206.8	2704.4	3251.4
67.5°	159.7	198.1	263.8	366.0	542.9	797.6	1126.9	1495.6	1908.7	2355.2	2980.0
70°	120.8	138.4	174.2	231.2	351.5	543.3	819.3	1147.7	1530.9	1961.2	2549.7
72.5°	103.1	112.2	132.1	158.3	215.3	330.2	514.4	789.9	1129.6	1479.8	1956.2
75°	92.8	100.4	113.1	129.8	152.5	200.4	301.7	499.9	748.3	991.2	1364.9
77.5°	84.1	91.0	102.2	110.8	123.1	144.3	192.2	299.0	448.3	612.5	846.9
80°	75.1	79.1	89.6	98.2	107.7	119.9	138.0	187.7	257.4	362.8	499.4
82.5°	64.3	67.4	75.1	86.9	94.1	99.1	104.5	124.4	154.3	196.8	277.3
85°	49.7	52.0	58.8	67.4	70.6	71.0	71.9	77.3	95.9	147.5	238.9
87.5°	25.3	28.0	35.3	38.0	32.1	34.9	35.3	37.6	49.7	81.0	82.3
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°	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	0°
2.5°	788.5	789.9	793.1	792.6	794.9	794.9	794.9	797.1	795.8	797.1	799.4	2.5°
5°	811.1	813.4	817.9	817.9	818.4	817.0	819.7	821.6	819.3	818.4	818.8	5°
7.5°	844.2	847.8	851.4	855.0	857.8	856.4	856.9	852.8	851.9	848.7	844.6	7.5°
10°	876.3	886.3	893.0	899.3	899.8	898.4	898.9	892.1	890.8	884.5	880.4	10°
12.5°	909.3	922.0	932.8	939.6	943.7	944.6	945.1	945.1	938.7	933.3	923.8	12.5°
15°	958.2	980.3	997.1	1004.3	1010.2	1015.6	1017.0	1018.8	1013.8	1006.6	1005.2	15°
17.5°	1035.5	1056.4	1078.5	1097.9	1111.1	1112.0	1123.3	1122.4	1132.8	1124.6	1122.4	17.5°
20°	1127.4	1172.6	1195.7	1221.5	1236.4	1243.6	1269.9	1261.7	1269.4	1282.6	1269.4	20°
22.5°	1242.3	1299.7	1333.2	1368.5	1392.9	1410.6	1429.6	1444.5	1465.3	1475.3	1466.2	22.5°
25°	1394.8	1460.3	1500.1	1549.0	1587.9	1619.6	1652.6	1692.4	1691.9	1715.9	1732.7	25°
27.5°	1569.8	1653.5	1711.4	1797.4	1830.8	1884.2	1940.8	2002.3	2013.2	2044.4	2060.2	27.5°
30°	1734.5	1838.1	1953.0	2055.2	2171.0	2250.2	2315.8	2359.3	2424.8	2408.6	2399.5	30°
32.5°	1886.5	2024.5	2188.3	2356.1	2539.7	2665.1	2780.9	2834.7	2875.4	2789.0	2674.6	32.5°
35°	2083.7	2248.9	2436.2	2643.4	2876.8	3054.6	3174.0	3190.7	3167.7	3056.8	2867.3	35°
37.5°	2328.1	2501.3	2714.4	2933.3	3181.3	3348.2	3484.4	3508.8	3447.7	3250.0	3050.9	37.5°
40°	2569.1	2772.3	3003.5	3262.7	3519.7	3703.3	3839.9	3847.2	3747.7	3516.5	3283.5	40°
42.5°	2832.9	3055.0	3312.4	3599.7	3865.3	4051.2	4149.8	4181.0	4040.3	3744.0	3520.6	42.5°
45°	3060.5	3326.0	3612.8	3918.2	4196.0	4372.4	4472.8	4462.9	4292.8	4000.1	3738.1	45°
47.5°	3282.1	3574.4	3876.6	4201.0	4476.9	4655.2	4758.3	4749.2	4533.5	4196.4	3908.2	47.5°
50°	3479.4	3796.5	4119.5	4466.0	4741.1	4904.4	5030.6	4990.9	4718.0	4354.3	4017.7	50°
52.5°	3616.4	3970.2	4307.7	4682.3	4965.5	5120.2	5280.8	5152.8	4827.1	4451.1	4076.5	52.5°
55°	3703.3	4089.7	4441.6	4856.0	5134.3	5319.3	5422.9	5241.0	4869.1	4477.8	4096.9	55°
57.5°	3762.1	4155.2	4520.3	4956.5	5286.2	5441.4	5466.8	5244.2	4842.0	4435.7	4076.5	57.5°
60°	3791.1	4174.7	4556.1	5027.0	5393.0	5478.1	5431.9	5170.9	4748.3	4312.3	3945.4	60°
62.5°	3787.9	4150.3	4537.6	5050.6	5414.3	5425.1	5320.2	5046.0	4576.0	4053.0	3727.3	62.5°
65°	3707.4	4061.2	4433.0	4963.3	5315.2	5268.6	5136.5	4811.7	4240.7	3714.6	3550.0	65°
67.5°	3475.3	3814.6	4159.8	4677.3	5036.1	4990.9	4790.9	4351.1	3851.2	3415.1	3326.5	67.5°
70°	3087.2	3374.9	3678.0	4132.6	4509.1	4448.0	4098.2	3830.9	3465.4	3069.1	3038.3	70°
72.5°	2580.9	2799.0	3018.8	3357.2	3616.4	3491.6	3271.7	3257.7	2962.3	2659.6	2666.0	72.5°
75°	2018.6	2182.4	2285.0	2484.1	2656.4	2544.7	2557.9	2635.7	2538.4	2300.0	2222.6	75°
77.5°	1462.6	1619.6	1652.2	1770.2	1891.4	2018.6	2186.9	2370.1	2400.8	2267.0	1986.5	77.5°
80°	957.3	1130.1	1065.8	1107.9	1278.5	1510.6	1817.7	2119.5	2223.1	2102.8	1757.6	80°
82.5°	564.6	806.6	704.4	776.3	884.5	1086.7	1298.8	1526.4	1699.7	1571.6	1468.0	82.5°
85°	428.9	636.1	673.6	760.9	796.2	804.8	841.9	916.1	1005.7	1039.1	1036.4	85°
87.5°	223.5	494.5	555.1	513.5	479.1	415.3	323.9	348.8	319.0	436.1	413.0	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°
755.9	755.9	755.9	755.9	755.9	755.9	755.9
799.9	798.5	799.4	799.9	799.9	799.9	800.8
818.4	814.7	813.4	813.4	812.9	811.6	811.1
838.3	832.0	829.7	827.0	824.7	823.4	821.1
874.0	868.6	857.3	851.0	845.1	841.0	837.4
922.0	914.3	903.4	895.3	886.3	883.5	879.0
996.2	989.4	979.9	970.9	965.4	955.9	949.1
1112.0	1098.4	1088.9	1077.2	1064.0	1044.6	1035.1
1264.4	1237.3	1218.3	1207.9	1181.6	1178.5	1155.4
1439.5	1431.4	1402.4	1389.8	1364.4	1354.5	1318.3
1701.5	1695.1	1635.8	1629.5	1590.6	1561.7	1505.6
2045.8	1993.7	1926.8	1880.2	1813.7	1739.0	1643.6
2346.6	2240.3	2138.0	2029.4	1937.6	1830.4	1722.3
2538.4	2395.9	2264.2	2153.0	2039.4	1911.8	1772.9
2706.7	2562.8	2419.4	2287.7	2150.2	1986.9	1815.5
2908.0	2765.0	2603.5	2418.5	2242.1	2042.1	1832.6
3114.3	2946.9	2745.1	2518.5	2296.8	2069.3	1829.5
3325.6	3111.6	2843.3	2585.0	2331.7	2073.4	1808.2
3497.0	3226.5	2916.1	2618.9	2338.9	2059.3	1781.5
3618.2	3300.2	2948.7	2630.7	2329.9	2037.1	1745.3
3687.5	3340.5	2956.9	2622.1	2311.3	2005.5	1706.0
3712.8	3352.7	2948.7	2604.4	2294.6	1971.5	1678.4
3710.1	3345.9	2918.9	2563.3	2249.8	1926.3	1644.5
3659.0	3283.0	2857.8	2513.9	2211.8	1905.5	1646.7
3572.1	3243.2	2839.7	2523.9	2231.6	1950.3	1718.2
3532.7	3322.9	2941.5	2623.4	2333.9	2078.3	1865.7
3510.6	3452.2	3087.2	2730.7	2455.1	2233.5	2041.7
3420.1	3489.4	3169.9	2791.7	2563.3	2389.1	2217.7
3274.0	3402.9	3107.0	2780.0	2623.0	2508.5	2281.0
2969.1	3105.2	2827.0	2606.7	2548.3	2510.3	2186.0
2405.4	2476.0	2317.6	2267.9	2289.6	2290.0	1833.5
1773.8	1731.3	1659.8	1663.4	1809.6	1787.0	1307.0
1448.1	1185.3	1084.0	1122.4	1302.9	1205.6	821.1
1347.7	1057.3	872.7	881.7	983.9	776.8	494.5
1089.8	963.6	772.7	693.5	673.1	517.6	335.7
456.0	419.4	312.2	281.4	230.7	141.1	64.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)