

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: P159088

Luminaire Tested: **VST-E03-LED-E-U-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159088
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-E03-LED-E-U-SLR-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6804.1 lumens
Efficiency: N/A
Efficacy: 90.5 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 - G3

Input Watts (W): 75.2
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

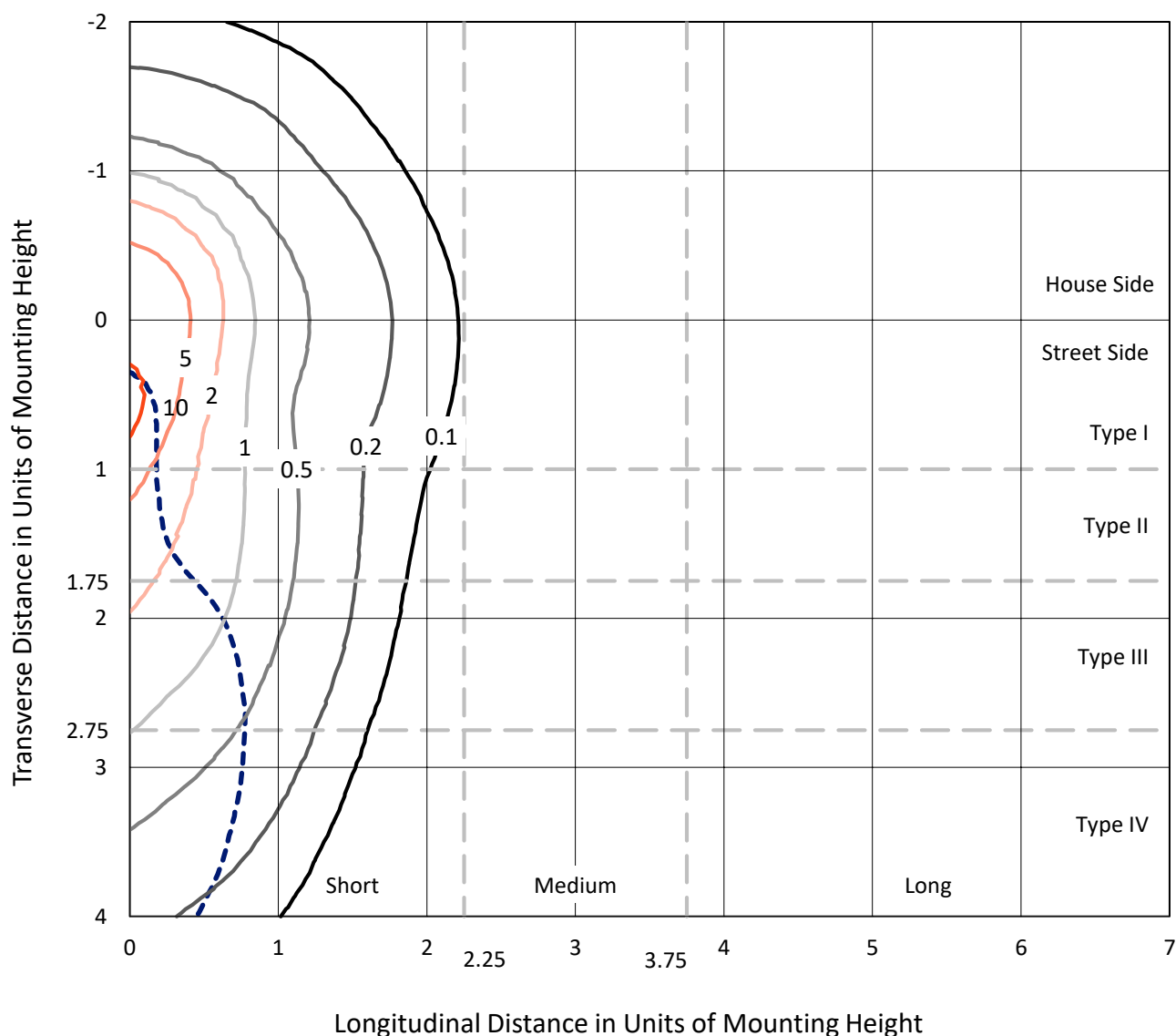


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

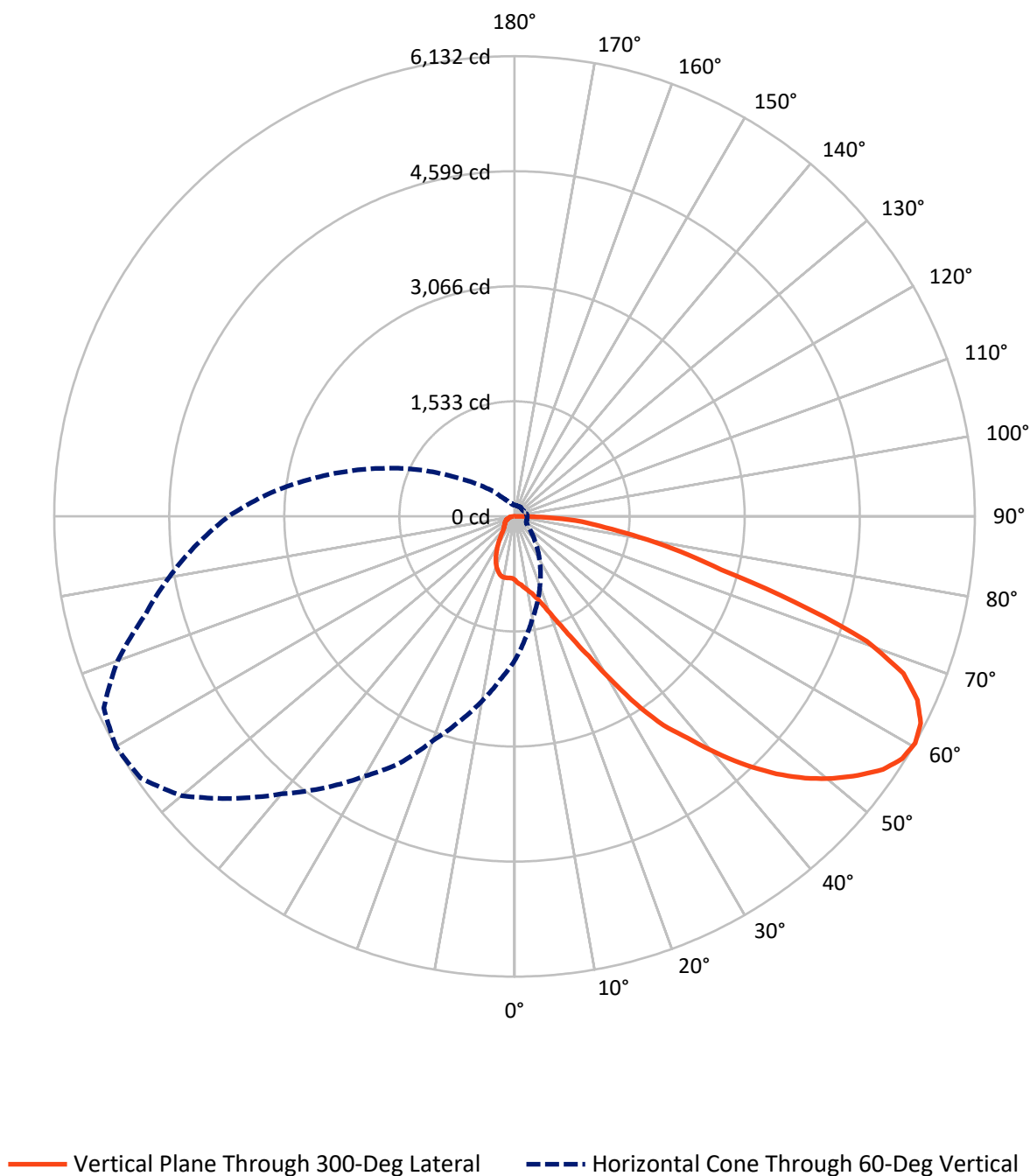


Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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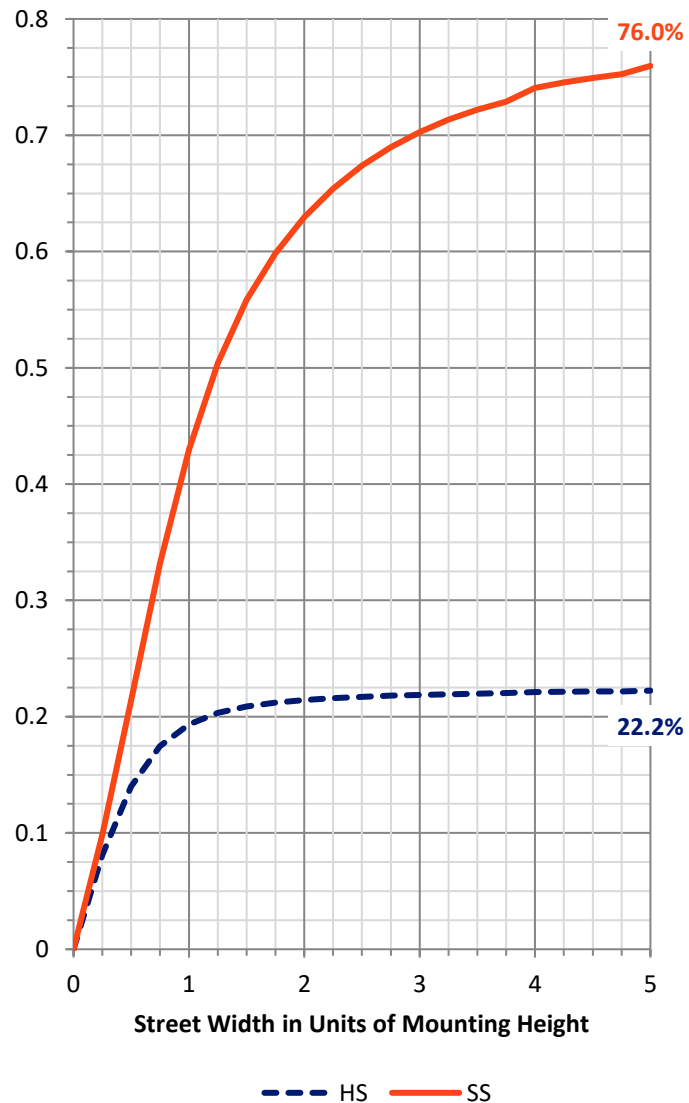
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1532.1	0.0	1532.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	5272.0	0.0	5272.0
	% Fixture	77.5	0.0	77.5
Total	Lumens	6804.1	0.0	6804.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	1.2
10°-20°	269.5	4.0
20°-30°	511.5	7.5
30°-40°	805.5	11.8
40°-50°	1124.3	16.5
50°-60°	1390.5	20.4
60°-70°	1441.3	21.2
70°-80°	906.9	13.3
80°-90°	271.1	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°	6804.1	100.0
0°-180°	6804.1	100.0

Coefficient of Utilization



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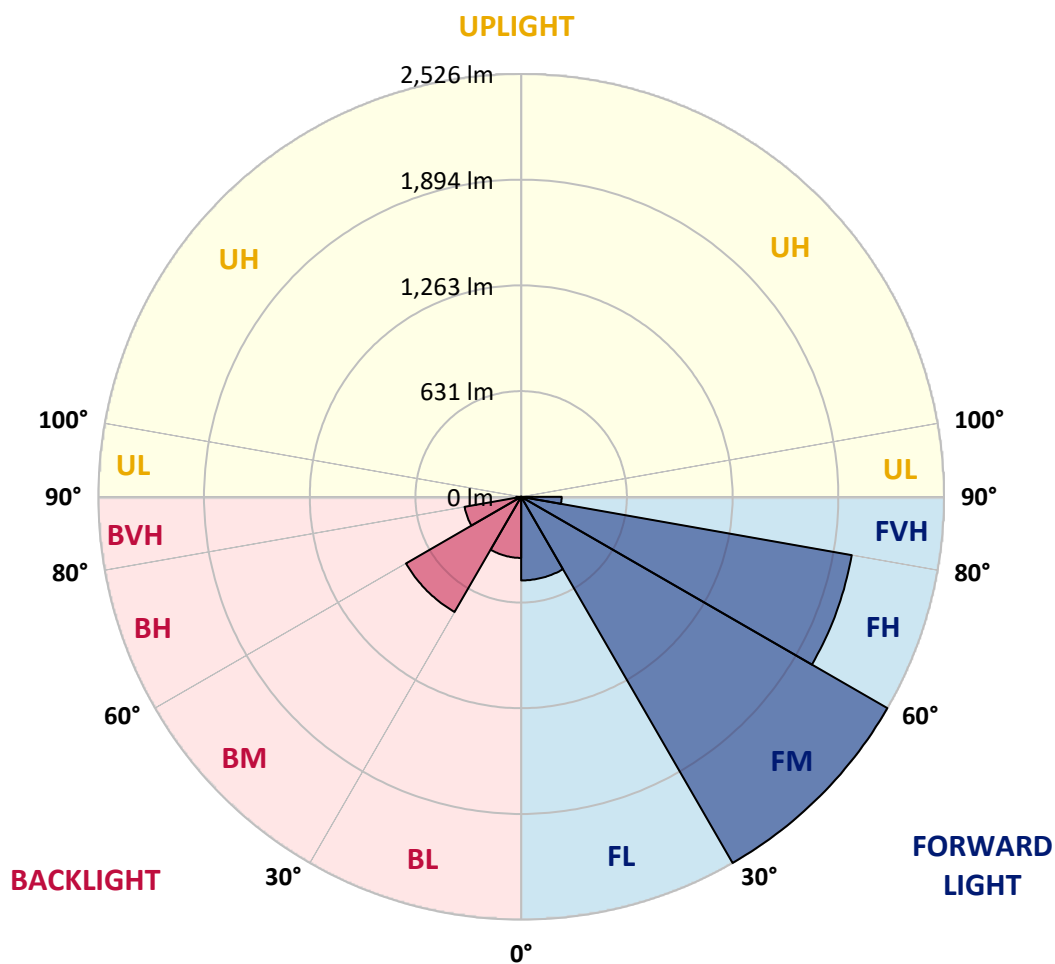
CATALOG NUMBER: VST-E03-LED-E-U-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	499.5	7.3			
FM	(30°-60°)	2525.8	37.1			
FH	(60°-80°)	2005.1	29.5			G2/5000
FVH	(80°-90°)	241.6	3.6			G3/500
BL	(0°-30°)	365.0	5.4	B1/500		
BM	(30°-60°)	794.5	11.7	B1/1000		
BH	(60°-80°)	343.1	5.0	B1/500		G1/500
BVH	(80°-90°)	29.5	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	896.3	842.6	843.7	842.2	842.2	841.1	842.2	841.1	840.1	840.1	840.6
5°	908.0	848.7	848.7	847.2	846.2	845.2	846.2	845.2	844.7	843.7	844.1
7.5°	919.1	852.2	850.3	848.2	845.7	846.7	846.7	846.2	846.7	846.2	847.2
10°	937.3	863.9	858.8	854.3	853.8	852.8	852.8	851.2	851.2	850.3	850.7
12.5°	983.9	899.9	894.3	886.2	884.7	880.1	877.6	874.6	869.5	864.9	861.4
15°	1062.4	959.6	949.0	941.9	938.9	929.8	915.5	904.4	889.7	877.1	863.9
17.5°	1158.7	1039.6	1027.0	1017.8	1002.7	977.8	954.1	926.7	898.3	872.5	848.7
20°	1293.4	1154.6	1129.7	1108.0	1070.0	1027.5	982.9	935.3	891.8	851.2	816.3
22.5°	1475.6	1303.0	1256.9	1198.6	1128.2	1056.4	985.4	919.6	861.4	808.7	762.1
25°	1685.3	1444.7	1361.7	1261.4	1153.6	1054.3	961.1	876.5	808.7	740.9	690.2
27.5°	1839.7	1563.2	1440.7	1309.0	1171.3	1044.7	930.2	827.9	745.9	676.6	615.2
30°	1927.9	1631.1	1483.7	1329.3	1174.3	1028.5	891.2	772.7	678.1	595.5	536.8
32.5°	1984.6	1667.6	1488.3	1309.0	1137.8	980.4	832.0	709.0	606.2	518.0	455.8
35°	2032.1	1682.2	1467.0	1264.0	1069.0	907.4	756.1	633.0	524.1	443.1	379.3
37.5°	2051.4	1679.7	1433.1	1203.7	1001.6	827.9	678.5	552.5	455.2	383.8	329.2
40°	2047.9	1656.4	1387.0	1139.4	922.7	744.9	596.5	485.6	406.6	346.4	306.4
42.5°	2024.0	1625.5	1335.8	1074.1	850.3	676.0	540.8	442.6	378.8	333.2	298.3
45°	1994.2	1588.6	1289.3	1014.3	793.0	626.9	508.4	430.4	375.2	331.7	294.2
47.5°	1953.7	1547.5	1242.2	971.8	762.7	612.2	507.9	437.5	378.3	328.1	287.1
50°	1909.6	1517.6	1216.4	953.5	759.1	621.4	525.7	448.7	380.3	324.6	277.5
52.5°	1878.7	1504.5	1215.8	960.1	777.8	646.7	546.4	462.8	387.9	326.6	275.5
55°	1840.7	1502.5	1229.0	988.5	818.8	689.7	579.3	487.1	403.6	334.2	277.0
57.5°	1843.3	1542.5	1280.2	1058.3	892.8	748.0	621.4	517.0	418.8	338.8	274.4
60°	1923.3	1635.7	1381.0	1177.9	989.5	816.3	664.4	533.2	417.8	328.7	262.3
62.5°	2088.4	1775.4	1531.9	1318.1	1087.7	869.0	680.1	528.7	402.6	306.9	242.6
65°	2285.3	1939.0	1678.7	1427.0	1147.5	881.1	666.4	503.3	372.2	278.5	218.8
67.5°	2482.3	2054.9	1763.3	1457.9	1123.2	832.0	615.8	446.6	320.5	240.1	191.9
70°	2553.2	2078.8	1756.7	1388.5	1012.8	710.0	506.9	359.5	257.2	196.5	161.5
72.5°	2446.9	1929.8	1561.7	1179.9	823.4	550.4	371.7	265.4	196.5	154.0	131.6
75°	2052.4	1554.1	1234.6	888.7	594.5	389.4	268.4	193.4	147.8	122.0	105.4
77.5°	1463.0	1082.2	841.1	583.9	385.9	269.9	192.4	145.3	117.5	97.7	85.6
80°	919.1	664.4	512.5	350.4	240.5	183.3	138.2	115.0	94.7	79.5	71.4
82.5°	553.5	386.9	301.8	217.7	158.0	125.6	101.8	90.1	75.5	65.8	61.3
85°	375.7	284.6	198.0	128.6	95.2	73.9	69.4	62.3	56.2	47.1	45.6
87.5°	71.9	101.8	88.6	52.7	34.9	29.9	26.3	25.3	22.8	18.2	20.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	837.6	836.6	834.5	834.5	833.0	830.0	829.5	827.5	824.9	825.4	824.9
5°	840.6	838.6	836.0	835.0	833.0	830.0	828.5	825.9	823.4	823.4	823.4
7.5°	844.1	841.6	839.6	836.0	832.0	829.0	824.9	821.9	820.4	819.8	820.4
10°	847.2	845.7	842.6	837.6	832.0	825.9	821.9	817.8	813.8	814.3	814.8
12.5°	853.8	848.7	840.6	833.0	824.4	816.8	809.7	804.7	799.6	799.6	800.1
15°	849.2	834.5	823.4	808.7	799.1	787.0	778.9	774.3	771.2	770.2	770.8
17.5°	822.4	804.7	787.9	774.8	761.6	752.0	748.4	745.4	741.4	743.4	741.4
20°	781.9	760.1	736.3	720.6	704.9	698.3	692.2	689.2	686.7	695.8	695.8
22.5°	723.7	697.3	673.0	653.8	636.1	628.9	622.9	619.3	620.8	632.0	633.0
25°	650.2	618.3	586.4	574.7	557.0	551.5	547.9	547.4	548.9	560.1	562.6
27.5°	572.2	538.8	511.4	484.6	476.5	472.0	465.4	473.0	474.5	486.7	491.7
30°	489.2	453.2	424.4	406.6	389.4	391.9	386.4	395.5	399.5	412.2	416.3
32.5°	404.1	370.2	341.3	323.6	311.5	313.0	308.9	317.0	321.1	336.2	343.9
35°	334.2	305.3	282.1	266.9	261.3	255.7	254.7	255.7	259.8	271.4	285.1
37.5°	294.2	270.4	253.7	242.6	235.0	231.4	229.4	229.4	229.4	231.9	238.5
40°	277.0	255.7	241.0	230.4	225.4	223.3	221.8	220.3	217.7	216.7	217.3
42.5°	269.4	245.1	229.4	221.3	218.3	218.3	218.3	217.3	214.7	212.2	209.6
45°	261.8	235.5	219.8	214.2	212.7	213.2	213.2	213.2	211.1	208.1	203.6
47.5°	252.2	224.8	209.2	205.6	205.6	207.1	207.6	207.6	205.6	202.6	199.0
50°	240.5	211.1	197.0	193.9	192.4	192.4	192.4	192.4	190.9	188.9	186.4
52.5°	234.5	203.6	188.9	185.8	185.8	184.3	183.8	182.3	180.8	179.3	175.7
55°	232.4	200.5	185.3	182.8	182.8	181.3	179.8	178.3	175.7	173.2	169.6
57.5°	226.9	193.9	180.8	178.7	178.7	177.7	176.2	174.7	172.2	168.6	164.1
60°	214.2	182.8	171.7	171.2	171.2	170.6	169.6	169.6	167.1	163.6	158.0
62.5°	198.0	171.2	160.5	160.5	160.0	159.5	157.5	157.0	154.0	149.4	144.3
65°	182.3	161.0	154.0	151.9	150.9	149.4	148.4	145.9	143.3	139.3	134.2
67.5°	162.5	145.9	141.3	139.3	137.2	135.7	134.2	132.7	129.7	126.6	122.5
70°	141.3	129.1	126.6	126.1	123.5	122.0	121.6	120.0	117.0	113.9	108.9
72.5°	121.0	113.9	111.9	111.9	108.9	106.9	105.8	105.4	103.3	100.8	96.2
75°	97.7	92.7	92.2	94.7	94.7	93.2	92.2	93.2	90.1	88.6	84.1
77.5°	80.0	77.5	76.0	77.0	80.0	78.5	76.4	76.4	76.4	73.9	72.4
80°	67.9	65.8	64.3	65.3	64.8	64.3	63.3	61.3	61.3	61.3	60.8
82.5°	61.3	60.8	55.2	55.2	53.2	51.7	50.6	49.6	48.6	48.6	51.1
85°	46.1	47.6	44.6	44.0	41.5	39.5	37.5	36.5	35.5	37.0	42.1
87.5°	22.3	22.3	21.2	23.8	21.8	20.8	19.3	18.2	19.3	23.8	28.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	823.9	823.4	822.9	821.9	819.8	819.4	818.3	818.3	817.8	816.8	817.8
5°	822.4	823.4	823.4	822.9	821.4	822.4	822.4	823.9	823.9	824.9	827.5
7.5°	820.4	822.9	824.9	826.4	828.5	830.0	833.0	837.6	839.6	843.1	844.7
10°	816.3	820.9	824.4	829.0	834.1	839.6	844.1	851.2	853.8	858.8	861.4
12.5°	804.7	812.3	818.3	827.5	836.0	844.7	852.8	861.9	866.5	872.0	875.6
15°	776.3	784.9	793.5	801.6	816.8	833.5	846.7	858.8	865.4	872.5	876.1
17.5°	742.4	748.0	755.0	765.7	780.4	795.1	816.3	833.5	843.7	851.8	852.8
20°	702.9	711.0	716.0	720.1	731.8	741.8	764.6	784.4	797.6	807.2	809.7
22.5°	642.6	651.2	659.8	662.9	672.0	685.1	697.8	719.1	737.8	752.0	760.6
25°	573.7	581.8	593.5	602.6	604.6	615.2	627.9	652.3	671.5	694.3	704.4
27.5°	504.9	512.0	524.6	529.7	535.7	546.4	556.5	576.8	597.1	623.4	634.5
30°	424.4	439.6	454.3	463.9	468.9	481.6	488.7	508.4	527.2	546.4	562.6
32.5°	355.5	369.2	385.9	398.0	404.1	413.7	424.9	441.6	456.2	475.0	493.7
35°	292.2	310.9	322.1	332.7	348.4	353.0	364.1	379.3	387.9	408.2	429.4
37.5°	247.6	258.8	269.9	280.6	293.7	299.8	310.4	323.1	333.2	345.4	364.6
40°	220.3	226.4	234.5	241.6	251.2	258.8	264.4	275.0	282.5	294.7	308.4
42.5°	207.6	209.2	210.2	215.2	220.3	225.4	231.4	236.0	245.1	254.2	262.8
45°	200.5	197.5	196.0	196.5	198.5	201.5	206.6	211.7	217.7	223.3	228.4
47.5°	194.5	190.4	185.8	183.3	183.8	184.9	188.9	193.0	196.0	200.5	202.6
50°	180.3	176.8	172.7	169.1	169.6	170.2	173.7	176.8	178.7	180.3	182.8
52.5°	171.2	166.1	162.5	159.0	158.5	160.0	163.1	166.1	167.1	168.1	168.6
55°	164.6	159.5	155.0	151.4	149.9	153.4	154.4	158.5	160.0	160.0	160.5
57.5°	159.5	153.4	148.9	145.3	142.8	145.3	147.8	152.4	152.9	151.9	151.9
60°	151.9	147.4	142.8	139.3	136.7	138.8	140.8	145.9	145.9	143.3	142.8
62.5°	138.8	136.2	133.2	131.6	131.2	133.2	134.7	138.8	137.2	134.2	133.2
65°	129.1	127.1	124.1	123.1	122.5	125.6	126.1	128.6	126.6	125.1	124.6
67.5°	117.5	116.0	114.4	113.9	112.4	112.4	113.5	115.0	113.9	113.9	114.4
70°	104.3	102.3	100.8	101.3	100.3	100.3	100.8	101.8	101.3	102.3	103.3
72.5°	92.2	89.6	89.1	89.1	88.1	88.6	88.6	89.1	90.1	90.7	93.2
75°	80.5	78.0	78.0	77.5	77.5	77.5	78.0	79.0	80.0	80.5	81.5
77.5°	69.9	68.3	68.9	68.3	68.3	68.3	68.3	69.9	70.4	70.9	72.4
80°	60.2	60.2	60.8	60.8	60.2	59.8	60.2	61.3	61.8	62.3	62.8
82.5°	54.7	55.2	55.2	55.2	52.7	51.7	53.2	54.2	55.2	55.7	56.7
85°	47.1	45.1	47.1	46.6	43.0	42.5	42.5	43.0	44.0	43.0	43.0
87.5°	30.4	27.4	28.9	28.9	25.3	20.8	26.3	28.4	25.3	26.8	26.8
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	819.4	818.3	818.8	818.8	819.8	818.3	820.4	822.4	822.9	822.9	823.4
5°	830.0	829.0	832.5	831.0	834.5	834.1	836.6	838.6	839.6	839.6	839.6
7.5°	846.7	850.3	852.2	857.8	858.4	861.4	863.9	866.5	865.4	865.9	865.4
10°	865.4	870.0	875.0	880.6	881.1	884.7	888.7	891.2	890.2	889.7	888.2
12.5°	881.6	884.7	890.8	896.3	899.3	904.9	909.0	911.0	911.0	909.5	908.0
15°	880.6	885.2	891.8	899.9	905.5	913.6	920.6	925.2	925.7	924.2	923.6
17.5°	858.4	864.9	871.0	882.1	892.3	903.4	915.1	921.7	927.7	931.3	933.3
20°	818.3	826.4	835.0	849.7	863.4	878.1	891.8	901.4	910.5	921.1	933.8
22.5°	771.2	783.4	795.5	814.3	831.0	847.7	863.4	875.0	889.2	907.4	931.3
25°	716.0	728.7	743.9	765.7	787.0	811.3	834.5	857.8	885.2	916.6	953.5
27.5°	650.7	664.9	684.7	711.0	735.3	760.1	796.6	833.5	878.1	918.6	960.7
30°	585.9	604.1	625.4	651.7	676.0	711.5	748.0	793.5	840.6	886.2	936.3
32.5°	516.0	538.8	565.1	586.9	614.3	650.2	686.7	735.3	785.4	839.1	894.3
35°	448.7	470.5	491.2	515.5	542.9	576.8	612.2	658.8	722.1	779.3	845.2
37.5°	380.3	400.6	415.3	434.5	458.3	495.8	533.8	587.4	647.2	717.5	783.4
40°	320.5	337.3	353.9	369.2	389.4	424.9	465.4	518.0	576.8	645.1	718.6
42.5°	272.9	285.6	303.8	322.1	339.3	369.7	407.6	459.3	517.6	587.4	660.8
45°	232.9	241.6	256.3	271.4	292.7	318.0	354.5	407.2	466.4	536.8	614.3
47.5°	204.1	208.1	218.3	233.9	253.7	278.5	309.9	357.5	415.3	486.1	567.7
50°	184.3	188.9	193.9	207.1	224.8	250.1	276.0	317.5	370.2	439.6	520.6
52.5°	170.6	172.7	174.7	182.8	199.0	220.3	247.6	279.0	332.2	398.5	471.5
55°	162.5	163.1	164.6	168.6	180.8	200.5	224.3	254.2	295.7	358.5	433.0
57.5°	152.9	154.0	155.5	158.0	165.6	183.3	203.6	227.9	262.3	315.0	386.4
60°	143.8	146.3	148.9	150.4	154.4	165.1	182.3	201.5	229.4	268.9	325.6
62.5°	134.2	137.2	139.3	140.8	142.3	148.9	161.5	174.2	191.4	217.3	259.8
65°	125.6	127.6	129.1	130.1	131.2	133.2	138.8	143.8	148.9	164.6	195.5
67.5°	116.0	117.0	117.5	118.0	117.5	117.5	118.0	120.0	122.0	128.1	142.8
70°	104.8	106.3	106.3	106.9	106.9	105.4	105.4	105.4	105.4	106.9	115.0
72.5°	94.2	96.2	96.2	96.7	96.2	95.7	95.7	95.7	97.2	98.2	101.3
75°	84.1	86.1	85.6	86.1	86.6	86.6	87.6	88.1	89.6	90.1	92.2
77.5°	73.9	75.5	76.0	75.5	76.4	77.5	79.5	80.5	81.0	81.5	82.0
80°	64.3	65.3	64.8	63.3	65.8	67.4	70.4	73.9	72.9	73.4	74.5
82.5°	53.2	51.7	50.6	51.7	53.2	55.2	58.3	62.8	63.3	65.8	65.3
85°	41.0	36.5	35.9	38.5	38.0	40.5	45.6	49.1	52.1	54.7	52.1
87.5°	24.3	21.8	18.2	17.2	18.7	24.8	25.8	31.4	33.9	34.9	31.4
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°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	869.5	872.0	872.0	873.0	874.6	875.0	877.1	880.6	881.1	881.1	882.7
5°	885.7	888.2	888.2	890.2	890.8	893.3	895.8	899.9	901.9	901.4	908.0
7.5°	912.0	910.0	908.5	911.5	913.0	916.1	921.1	924.7	928.2	933.8	942.9
10°	934.3	931.3	929.8	931.7	932.8	936.3	939.4	944.4	953.0	961.6	972.8
12.5°	952.5	949.0	944.9	946.0	947.5	952.0	957.1	963.7	976.3	987.5	1004.2
15°	967.7	962.6	958.6	960.7	964.2	970.3	978.8	990.5	1011.2	1030.5	1052.8
17.5°	982.4	981.4	979.9	986.5	989.0	1003.1	1015.8	1037.1	1065.5	1094.3	1126.2
20°	996.6	1007.7	1013.3	1026.5	1034.6	1053.8	1073.0	1098.9	1134.8	1174.3	1217.9
22.5°	1016.3	1046.7	1065.5	1092.3	1106.0	1126.7	1155.1	1189.0	1229.0	1279.7	1335.4
25°	1063.4	1108.0	1145.5	1187.5	1222.0	1253.8	1287.8	1328.8	1386.5	1432.6	1505.5
27.5°	1084.2	1147.0	1203.2	1262.5	1314.1	1363.2	1416.9	1466.5	1534.9	1597.1	1685.3
30°	1064.5	1135.3	1208.3	1285.7	1361.2	1435.6	1513.6	1589.6	1668.6	1755.7	1849.4
32.5°	1028.0	1107.5	1189.5	1280.7	1374.4	1471.1	1572.4	1682.8	1794.2	1902.5	1998.2
35°	991.0	1076.6	1167.7	1272.1	1382.5	1502.5	1628.0	1767.8	1915.2	2052.4	2177.5
37.5°	937.3	1031.5	1135.9	1256.3	1387.5	1535.4	1696.9	1869.1	2055.5	2244.4	2408.4
40°	872.5	972.3	1086.2	1225.0	1382.5	1569.3	1779.5	2000.3	2239.8	2470.2	2671.7
42.5°	813.2	910.5	1032.1	1183.0	1369.3	1599.2	1858.0	2132.9	2416.5	2674.3	2937.6
45°	761.1	868.4	990.5	1153.6	1362.7	1624.5	1916.2	2232.2	2556.8	2863.7	3174.6
47.5°	713.5	824.9	961.6	1137.4	1359.7	1639.7	1956.7	2297.0	2656.6	3009.0	3370.1
50°	664.4	772.7	919.1	1119.7	1352.1	1639.2	1978.0	2341.1	2726.4	3121.9	3504.8
52.5°	611.7	720.6	867.5	1087.2	1335.8	1630.1	1983.5	2371.0	2781.6	3191.3	3619.2
55°	563.6	665.4	812.3	1033.0	1301.9	1607.8	1970.9	2383.6	2820.6	3260.2	3699.7
57.5°	508.4	614.3	754.0	958.6	1238.2	1568.3	1934.9	2365.9	2831.8	3306.2	3763.5
60°	432.5	536.3	680.1	870.5	1138.4	1484.8	1868.1	2312.2	2796.3	3314.3	3809.1
62.5°	345.4	435.0	573.7	749.0	998.1	1353.6	1744.5	2191.7	2685.9	3238.4	3785.8
65°	256.7	316.5	436.0	589.9	835.6	1156.1	1545.5	1989.6	2470.2	3027.2	3639.5
67.5°	178.7	221.8	295.2	409.7	607.7	892.8	1261.4	1674.1	2136.5	2636.3	3335.6
70°	135.2	155.0	194.9	258.8	393.5	608.2	917.1	1284.7	1713.7	2195.2	2854.0
72.5°	115.4	125.6	147.8	177.2	241.0	369.7	575.8	884.2	1264.4	1656.4	2189.6
75°	103.8	112.4	126.6	145.3	170.6	224.3	337.7	559.6	837.6	1109.5	1527.8
77.5°	94.2	101.8	114.4	124.1	137.8	161.5	215.2	334.7	501.8	685.7	948.0
80°	84.1	88.6	100.3	109.9	120.5	134.2	154.4	210.2	288.1	406.1	559.1
82.5°	71.9	75.5	84.1	97.2	105.4	110.9	117.0	139.3	172.7	220.3	310.4
85°	55.7	58.3	65.8	75.5	79.0	79.5	80.5	86.6	107.3	165.1	267.4
87.5°	28.4	31.4	39.5	42.5	35.9	39.0	39.5	42.1	55.7	90.7	92.2
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	0°
2.5°	882.7	884.2	887.7	887.2	889.7	889.7	889.7	892.3	890.8	892.3	894.8	2.5°
5°	908.0	910.5	915.5	915.5	916.1	914.5	917.6	919.6	917.1	916.1	916.6	5°
7.5°	944.9	949.0	953.0	957.1	960.1	958.6	959.1	954.5	953.5	950.0	945.4	7.5°
10°	980.9	992.0	999.6	1006.7	1007.2	1005.7	1006.2	998.6	997.1	990.0	985.4	10°
12.5°	1017.8	1032.1	1044.2	1051.8	1056.4	1057.4	1057.9	1057.9	1050.8	1044.7	1034.0	12.5°
15°	1072.6	1097.3	1116.1	1124.2	1130.8	1136.9	1138.4	1140.4	1134.8	1126.7	1125.2	15°
17.5°	1159.1	1182.4	1207.3	1229.0	1243.7	1244.7	1257.4	1256.3	1268.0	1258.9	1256.3	17.5°
20°	1261.9	1312.6	1338.4	1367.3	1384.0	1392.1	1421.5	1412.3	1420.9	1435.6	1420.9	20°
22.5°	1390.6	1454.9	1492.3	1531.9	1559.2	1579.0	1600.2	1616.9	1640.2	1651.4	1641.2	22.5°
25°	1561.2	1634.6	1679.2	1733.9	1777.4	1812.9	1849.9	1894.4	1893.9	1920.8	1939.5	25°
27.5°	1757.2	1850.9	1915.7	2011.9	2049.4	2109.1	2172.4	2241.3	2253.5	2288.4	2306.1	27.5°
30°	1941.5	2057.5	2186.1	2300.6	2430.2	2518.8	2592.2	2640.8	2714.3	2696.0	2685.9	30°
32.5°	2111.6	2266.1	2449.4	2637.3	2842.9	2983.2	3112.8	3173.0	3218.6	3121.9	2993.8	32.5°
35°	2332.4	2517.3	2726.9	2958.8	3220.1	3419.2	3552.8	3571.6	3545.8	3421.7	3209.5	35°
37.5°	2605.9	2799.8	3038.3	3283.4	3560.9	3747.8	3900.2	3927.6	3859.3	3637.9	3415.1	37.5°
40°	2875.8	3103.2	3362.0	3652.1	3939.7	4145.3	4298.3	4306.4	4195.0	3936.2	3675.4	40°
42.5°	3171.1	3419.7	3707.8	4029.4	4326.7	4534.7	4645.1	4680.1	4522.6	4190.9	3940.7	42.5°
45°	3425.8	3723.0	4044.1	4385.9	4696.8	4894.3	5006.7	4995.6	4805.2	4477.6	4184.3	45°
47.5°	3673.9	4001.0	4339.3	4702.4	5011.3	5210.8	5326.3	5316.1	5074.6	4697.3	4374.7	47.5°
50°	3894.7	4249.7	4611.2	4999.1	5307.0	5489.8	5631.1	5586.5	5281.2	4874.0	4497.3	50°
52.5°	4048.1	4444.1	4821.9	5241.2	5558.2	5731.4	5911.1	5767.9	5403.2	4982.4	4563.1	52.5°
55°	4145.3	4577.8	4971.8	5435.6	5747.1	5954.2	6070.1	5866.6	5450.3	5012.3	4585.9	55°
57.5°	4211.2	4651.3	5059.9	5548.1	5917.2	6090.9	6119.3	5870.1	5419.9	4965.2	4563.1	57.5°
60°	4243.6	4673.0	5099.9	5627.0	6036.7	6131.9	6080.3	5788.1	5315.1	4826.9	4416.2	60°
62.5°	4240.0	4645.7	5079.1	5653.4	6060.5	6072.7	5955.2	5648.3	5122.2	4536.8	4172.2	62.5°
65°	4149.9	4545.9	4962.2	5555.6	5949.6	5897.5	5749.6	5386.0	4747.0	4158.0	3973.7	65°
67.5°	3890.1	4269.9	4656.3	5235.6	5637.2	5586.5	5362.7	4870.5	4310.9	3822.8	3723.5	67.5°
70°	3455.6	3777.7	4117.0	4625.9	5047.3	4978.9	4587.4	4288.1	3879.0	3435.4	3400.9	70°
72.5°	2889.0	3133.1	3379.2	3758.0	4048.1	3908.3	3662.2	3646.6	3315.9	2977.1	2984.2	72.5°
75°	2259.5	2442.8	2557.8	2780.6	2973.5	2848.4	2863.1	2950.3	2841.4	2574.5	2487.9	75°
77.5°	1637.2	1812.9	1849.4	1981.5	2117.2	2259.5	2447.9	2653.0	2687.5	2537.5	2223.6	77.5°
80°	1071.5	1265.0	1193.0	1240.1	1431.1	1690.9	2034.7	2372.5	2488.4	2353.7	1967.3	80°
82.5°	632.0	902.9	788.5	869.0	990.0	1216.4	1453.9	1708.6	1902.5	1759.2	1643.3	82.5°
85°	480.1	712.0	754.0	851.8	891.2	900.9	942.4	1025.5	1125.7	1163.2	1160.2	85°
87.5°	250.1	553.5	621.4	574.7	536.3	464.9	362.6	390.4	357.0	488.2	462.4	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°
846.2	846.2	846.2	846.2	846.2	846.2	846.2
895.3	893.8	894.8	895.3	895.3	895.3	896.3
916.1	912.0	910.5	910.5	910.0	908.5	908.0
938.3	931.3	928.7	925.7	923.2	921.7	919.1
978.4	972.3	959.6	952.5	946.0	941.4	937.3
1032.1	1023.4	1011.2	1002.2	992.0	989.0	983.9
1115.1	1107.5	1096.9	1086.7	1080.7	1070.0	1062.4
1244.7	1229.5	1218.9	1205.7	1191.1	1169.3	1158.7
1415.4	1385.0	1363.7	1352.1	1322.7	1319.2	1293.4
1611.4	1602.2	1569.8	1555.6	1527.3	1516.1	1475.6
1904.5	1897.4	1831.1	1824.1	1780.5	1748.1	1685.3
2289.9	2231.7	2156.8	2104.6	2030.2	1946.6	1839.7
2626.7	2507.6	2393.2	2271.7	2168.9	2048.9	1927.9
2841.4	2681.9	2534.5	2410.0	2282.8	2140.0	1984.6
3029.8	2868.7	2708.2	2560.9	2406.9	2224.1	2032.1
3255.1	3095.1	2914.3	2707.2	2509.7	2285.9	2051.4
3486.0	3298.7	3072.8	2819.1	2570.9	2316.2	2047.9
3722.5	3483.0	3182.7	2893.6	2609.9	2320.8	2024.0
3914.4	3611.6	3264.2	2931.5	2618.0	2305.1	1994.2
4050.1	3694.1	3300.7	2944.7	2608.0	2280.3	1953.7
4127.6	3739.2	3309.8	2935.1	2587.1	2244.8	1909.6
4156.0	3752.9	3300.7	2915.3	2568.4	2206.9	1878.7
4153.0	3745.3	3267.2	2869.3	2518.3	2156.2	1840.7
4095.7	3674.9	3198.9	2814.1	2475.8	2132.9	1843.3
3998.5	3630.4	3178.6	2825.2	2498.0	2183.0	1923.3
3954.4	3719.5	3292.6	2936.6	2612.5	2326.4	2088.4
3929.6	3864.3	3455.6	3056.6	2748.2	2500.1	2285.3
3828.4	3905.8	3548.3	3125.0	2869.3	2674.3	2482.3
3664.8	3809.1	3477.9	3111.8	2936.1	2807.9	2553.2
3323.5	3475.9	3164.5	2917.9	2852.5	2810.0	2446.9
2692.5	2771.5	2594.3	2538.5	2562.8	2563.4	2052.4
1985.6	1938.0	1858.0	1862.0	2025.6	2000.3	1463.0
1621.0	1326.8	1213.3	1256.3	1458.4	1349.5	919.1
1508.5	1183.4	976.9	986.9	1101.4	869.5	553.5
1219.9	1078.6	864.9	776.3	753.5	579.3	375.7
510.4	469.4	349.4	315.0	258.2	158.0	71.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)