

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: P153304

Luminaire Tested: **VXS-F03-LED-E1-SLR-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153304
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-F03-LED-E1-SLR-7030
Description: VISION SITE SMALL LED 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: 6293.9 lumens
Efficiency: N/A
Efficacy: 80.4 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: 25 FT



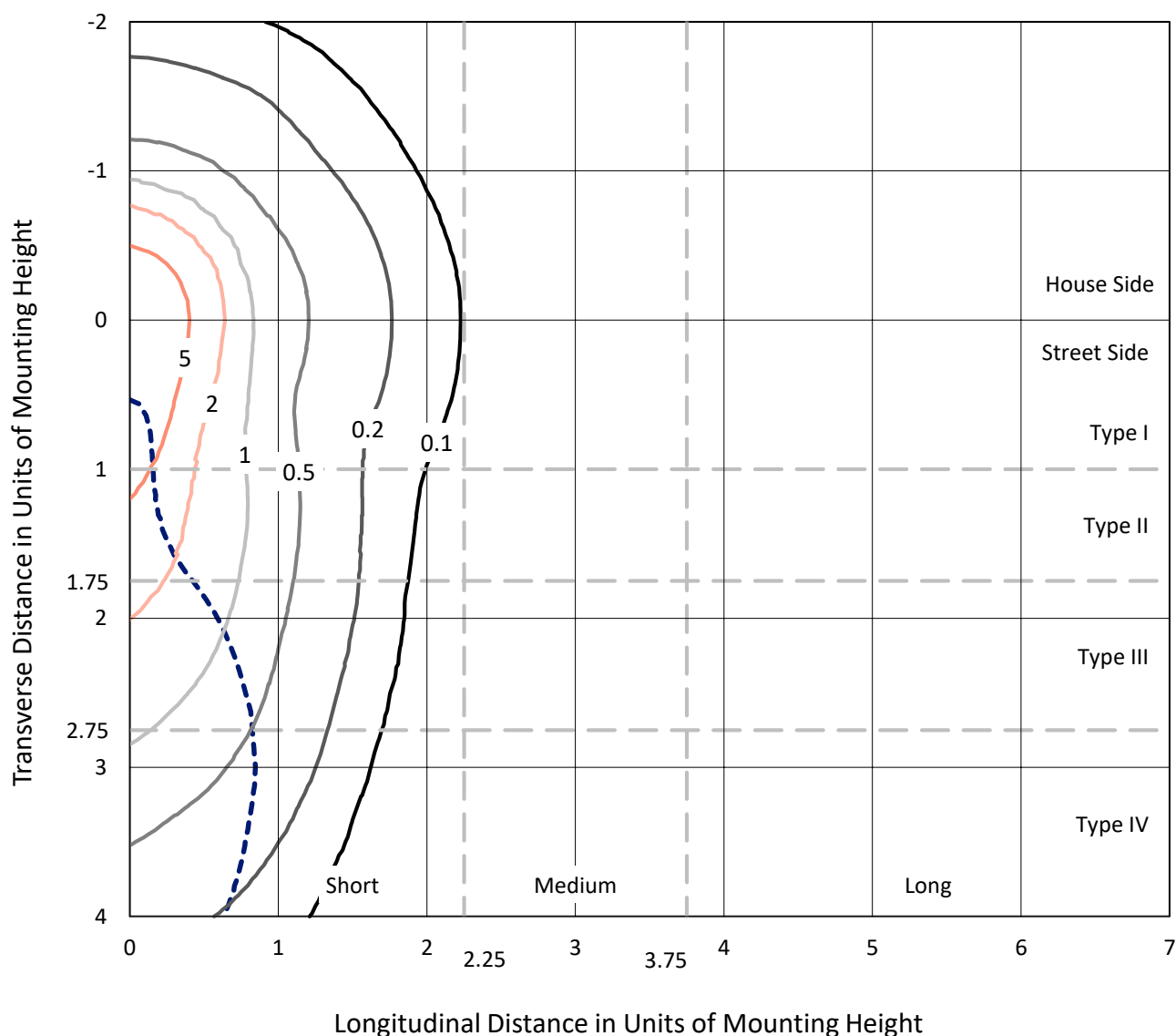
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

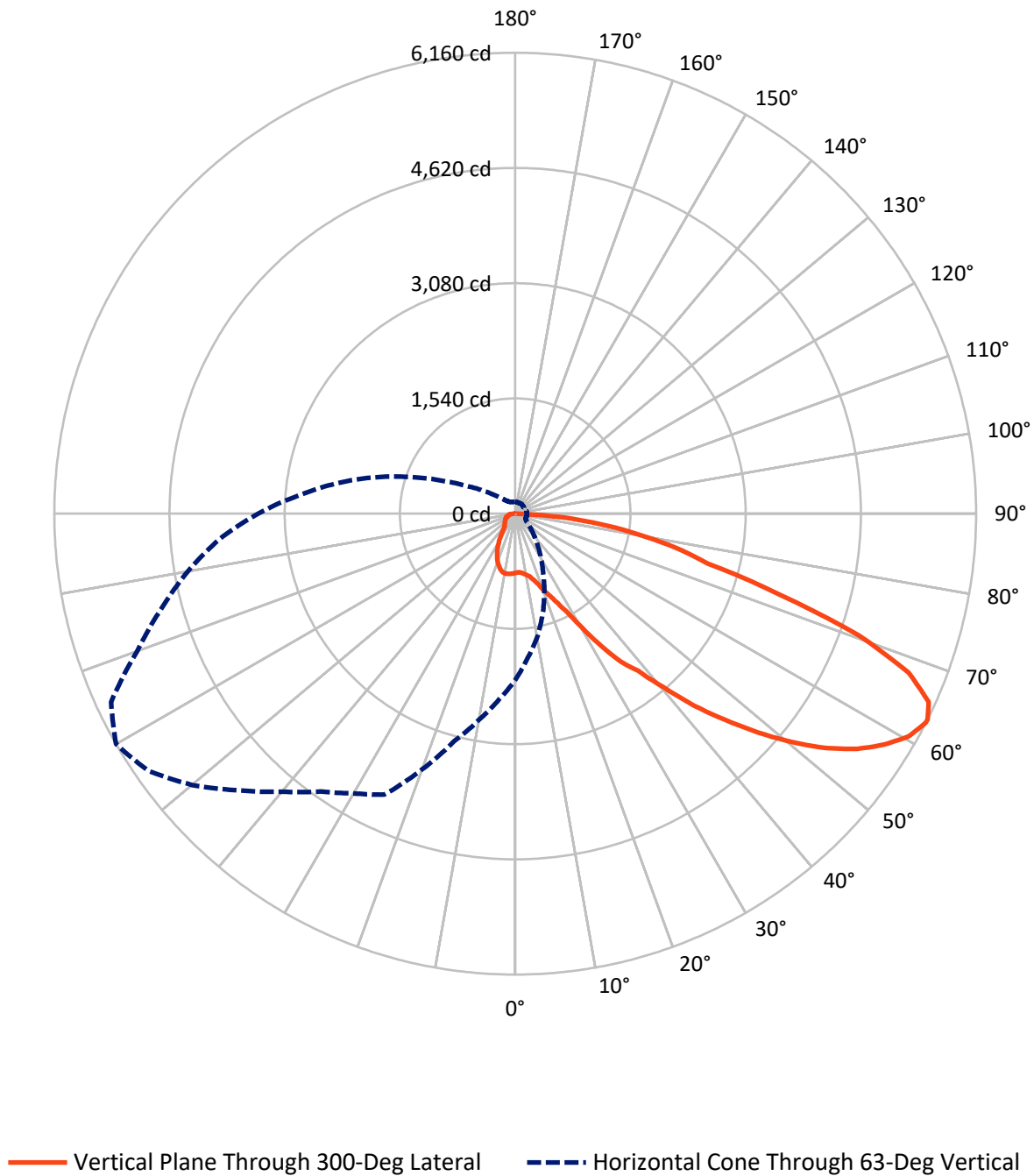


Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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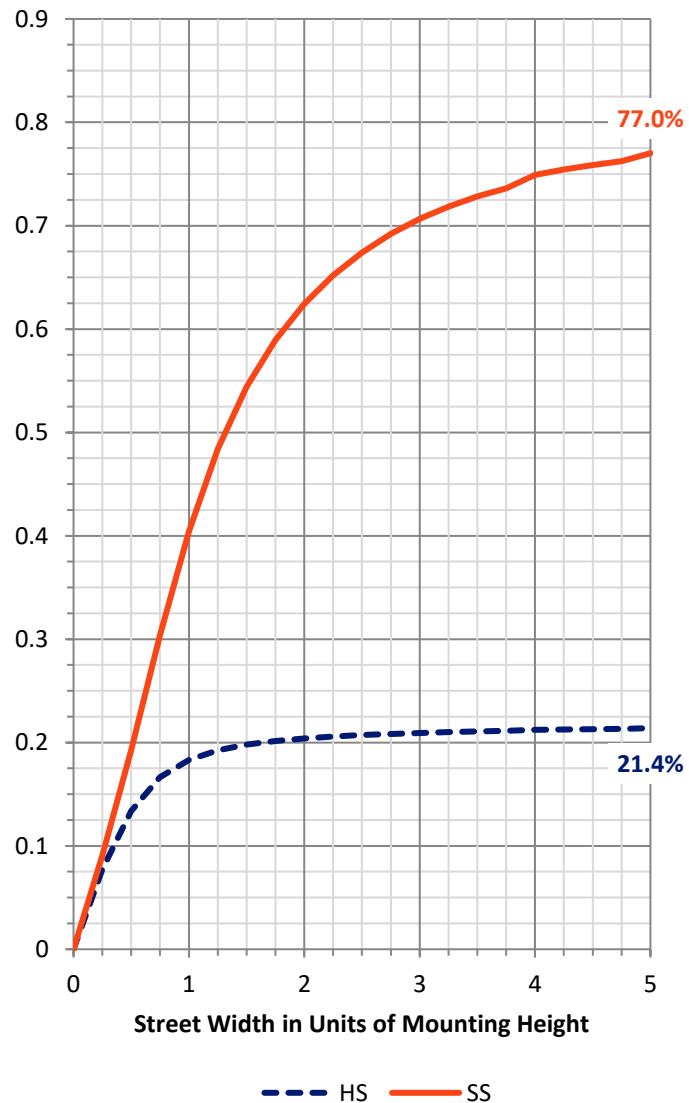
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1364.8	0.0	1364.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4929.1	0.0	4929.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	6293.9	0.0	6293.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	1.2
10°-20°	239.8	3.8
20°-30°	426.0	6.8
30°-40°	670.8	10.7
40°-50°	987.3	15.7
50°-60°	1311.4	20.8
60°-70°	1444.5	23.0
70°-80°	906.3	14.4
80°-90°	230.8	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°	6293.9	100.0
0°-180°	6293.9	100.0

Coefficient of Utilization



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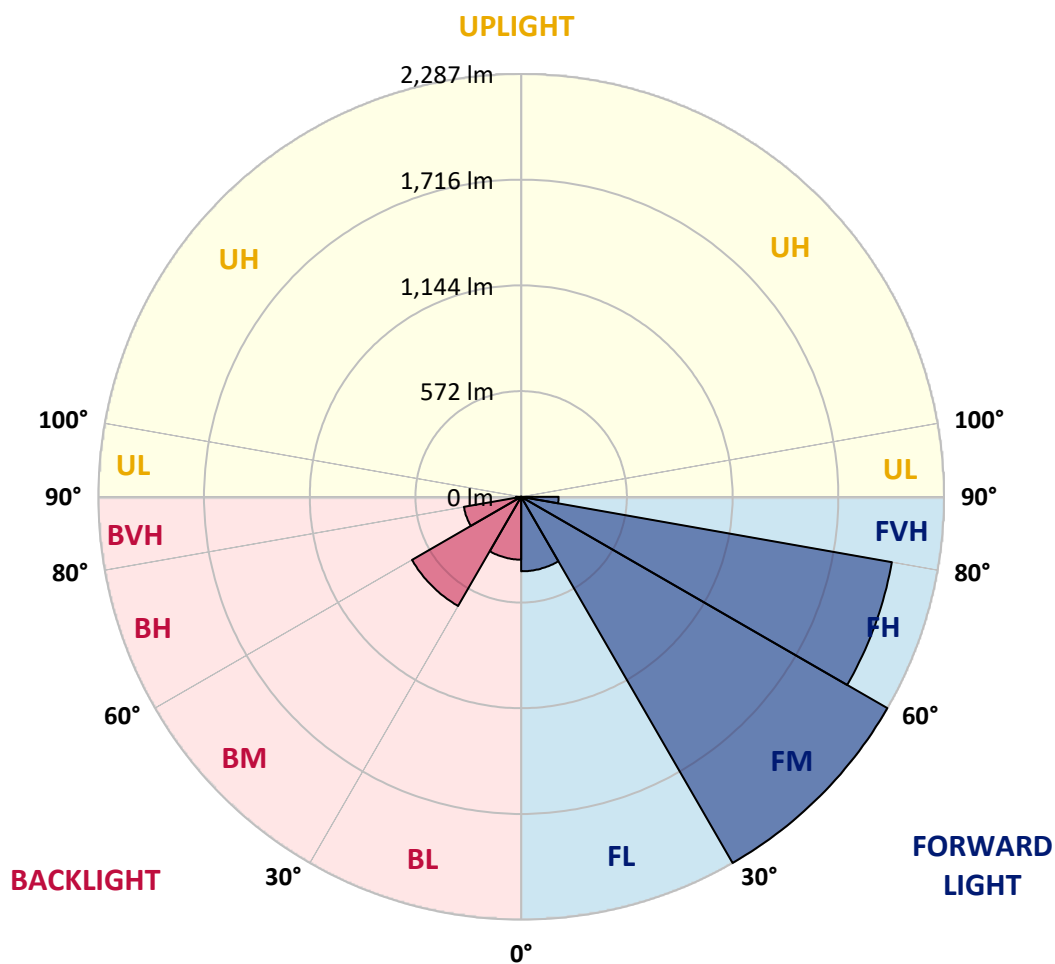
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	403.0	6.4			
FM	(30°-60°)	2287.3	36.3			
FH	(60°-80°)	2036.2	32.4			G2/5000
FVH	(80°-90°)	202.6	3.2			G2/225
BL	(0°-30°)	339.8	5.4	B1/500		
BM	(30°-60°)	682.2	10.8	B1/1000		
BH	(60°-80°)	314.6	5.0	B1/500		G1/500
BVH	(80°-90°)	28.3	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°	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0
2.5°	780.4	782.7	781.9	781.9	783.4	782.7	782.7	783.4	783.4	785.7	788.7
5°	774.3	773.6	772.1	773.6	773.6	773.6	770.6	772.8	773.6	775.1	775.1
7.5°	781.9	779.6	776.6	777.4	777.4	775.9	773.6	774.3	773.6	773.6	772.8
10°	791.7	786.4	782.7	782.7	782.7	781.1	777.4	779.6	779.6	778.9	779.6
12.5°	809.0	803.0	798.4	797.0	797.0	794.7	791.7	794.7	793.2	793.2	791.7
15°	837.7	830.9	825.6	821.1	821.9	821.9	818.1	815.9	812.8	809.0	801.5
17.5°	880.6	873.2	866.3	862.6	863.3	858.0	847.5	836.9	822.6	808.3	792.4
20°	941.8	939.5	930.5	926.6	917.6	904.8	875.3	850.5	822.6	795.4	768.3
22.5°	1047.3	1036.8	1027.7	1013.4	983.2	947.8	898.8	855.0	811.3	772.8	736.7
25°	1189.0	1170.2	1125.7	1082.0	1020.1	956.8	890.5	833.9	779.6	729.1	684.7
27.5°	1328.5	1271.2	1192.0	1112.8	1022.4	939.5	856.6	789.4	726.1	671.1	622.1
30°	1497.4	1400.9	1279.5	1154.4	1026.2	914.6	815.0	736.7	663.5	605.5	554.2
32.5°	1655.8	1516.3	1357.2	1192.8	1034.5	891.2	767.6	678.5	603.2	530.1	479.6
35°	1764.4	1583.4	1390.4	1196.6	1014.1	846.7	708.0	603.2	527.8	459.9	400.4
37.5°	1829.2	1612.7	1391.9	1169.4	966.6	786.4	632.6	528.6	459.2	394.3	347.6
40°	1869.9	1619.6	1372.2	1130.3	906.3	710.3	557.2	463.7	400.4	348.4	312.1
42.5°	1889.5	1609.0	1340.6	1080.5	845.2	642.4	504.5	416.2	361.1	324.2	297.1
45°	1892.5	1590.2	1306.6	1035.2	791.0	593.4	468.2	396.6	351.4	320.4	293.3
47.5°	1892.5	1573.6	1279.5	1002.1	755.5	572.3	465.2	404.9	360.4	325.7	293.3
50°	1894.0	1568.3	1268.2	985.5	743.4	583.6	490.9	430.6	380.0	334.8	292.5
52.5°	1900.8	1575.1	1277.3	998.2	765.3	628.8	539.1	469.0	405.7	345.3	292.5
55°	1915.9	1597.7	1315.8	1042.8	824.1	697.4	597.2	510.5	426.0	349.8	288.0
57.5°	1958.1	1655.0	1385.8	1128.7	924.4	776.6	649.9	539.9	433.6	346.1	279.0
60°	2042.6	1768.9	1505.7	1249.3	1030.7	844.5	680.8	544.4	426.7	334.0	264.7
62.5°	2177.5	1899.3	1651.3	1380.5	1125.0	882.2	684.7	533.1	408.7	312.1	243.5
63°	2224.2	1931.7	1682.2	1405.5	1137.0	885.2	681.7	528.6	404.1	306.1	240.5
65°	2354.7	2068.2	1789.2	1493.0	1171.0	885.9	665.0	505.9	383.0	282.8	219.4
67.5°	2598.2	2247.7	1924.1	1561.6	1183.0	861.9	622.8	463.7	338.5	246.5	193.1
70°	2752.1	2348.0	1976.2	1563.0	1147.6	793.2	549.6	395.1	282.0	204.4	165.9
72.5°	2712.1	2249.1	1839.0	1422.1	994.5	662.8	441.9	310.7	220.2	163.6	138.0
75°	2323.0	1872.1	1500.4	1101.6	751.7	487.0	323.4	221.7	162.9	128.2	115.3
77.5°	1672.3	1347.4	1076.0	784.9	506.6	315.1	214.9	158.3	123.6	105.6	95.0
80°	1065.4	790.2	658.2	472.0	296.3	195.2	147.8	119.9	101.8	88.2	81.5
82.5°	556.5	389.8	316.7	241.2	164.4	128.9	108.6	98.0	83.7	73.2	69.3
85°	346.8	229.9	170.4	119.2	82.2	73.9	67.9	66.3	59.6	52.7	50.5
87.5°	39.2	35.4	37.0	23.4	17.3	18.9	18.1	24.1	23.4	17.3	18.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0
2.5°	785.7	787.2	787.2	789.4	789.4	791.0	792.4	792.4	794.0	794.7	796.2
5°	776.6	776.6	776.6	779.6	780.4	784.9	786.4	787.9	789.4	794.7	797.7
7.5°	774.3	771.3	772.8	772.8	775.1	778.9	782.7	784.9	787.2	794.0	798.4
10°	778.9	776.6	774.3	774.3	775.1	776.6	779.6	781.9	783.4	790.2	794.0
12.5°	791.0	785.7	781.1	777.4	774.3	773.6	772.1	772.8	774.3	778.1	783.4
15°	793.2	783.4	773.6	763.8	756.3	751.7	748.0	746.4	746.4	748.7	754.7
17.5°	778.1	761.6	747.3	734.4	726.1	717.8	714.0	711.0	709.5	712.5	713.3
20°	745.7	726.1	706.5	691.4	676.4	674.1	668.1	669.5	671.1	675.5	677.8
22.5°	701.2	677.8	653.7	637.9	625.8	615.2	608.5	611.5	613.8	618.2	620.5
25°	646.9	613.0	587.4	571.5	558.8	549.6	542.1	545.2	542.1	547.4	555.6
27.5°	582.8	542.9	515.8	497.6	488.6	481.0	473.5	473.5	481.0	481.0	487.9
30°	505.2	475.8	440.3	421.5	410.2	405.7	404.9	403.4	408.7	411.7	419.2
32.5°	432.0	395.9	361.9	343.8	334.0	328.7	329.5	330.3	332.5	337.0	349.1
35°	358.1	326.5	302.4	282.0	272.2	262.4	262.4	260.9	263.1	268.4	282.8
37.5°	310.7	282.8	263.9	248.1	238.2	232.2	226.9	224.7	224.7	226.9	232.2
40°	284.2	263.9	246.5	233.0	223.9	218.7	215.6	213.4	211.9	211.9	212.6
42.5°	272.2	251.1	233.8	221.7	214.9	211.9	211.1	210.4	208.1	207.4	206.6
45°	266.1	242.1	222.4	212.6	207.4	205.8	206.6	206.6	205.8	204.4	201.3
47.5°	261.7	233.8	214.1	205.1	202.8	202.8	202.8	202.8	202.1	201.3	199.1
50°	254.1	220.9	199.8	193.1	191.5	191.5	192.2	192.2	193.8	192.2	190.8
52.5°	245.8	208.8	187.8	181.8	180.9	180.2	180.2	180.2	180.9	180.9	180.2
55°	236.8	199.8	181.8	177.2	177.9	177.2	176.5	175.6	175.6	174.9	173.4
57.5°	227.7	192.2	177.2	174.2	174.9	174.9	173.4	171.9	171.2	168.9	167.4
60°	214.1	181.8	168.2	166.6	168.9	168.9	168.9	168.2	168.2	167.4	163.6
62.5°	196.1	166.6	156.1	156.8	157.6	159.1	159.1	159.1	159.1	157.6	153.8
63°	192.2	163.6	153.8	153.8	156.1	156.1	156.8	156.1	156.8	155.3	150.8
65°	177.2	153.8	146.3	147.0	148.5	148.5	148.5	147.8	147.8	145.5	143.2
67.5°	159.9	141.8	137.2	138.0	138.8	140.2	139.5	139.5	140.2	138.8	136.5
70°	140.2	128.9	125.9	126.6	127.5	127.5	126.6	126.6	127.5	125.9	123.6
72.5°	125.2	120.6	118.3	118.3	116.9	116.9	115.3	114.6	113.9	113.9	111.6
75°	105.6	104.8	105.6	107.0	105.6	104.0	103.3	101.0	99.5	99.5	98.8
77.5°	90.5	90.5	92.0	94.3	95.0	95.0	92.7	89.0	88.2	88.2	88.2
80°	78.4	76.9	76.9	79.2	81.5	80.7	76.9	73.2	73.2	76.9	77.6
82.5°	68.6	68.6	66.3	67.2	66.3	65.6	61.9	59.6	58.9	61.9	64.9
85°	54.3	55.0	54.3	53.6	52.7	50.5	47.5	45.3	44.5	47.5	52.0
87.5°	21.9	21.1	20.3	21.1	20.3	21.9	21.1	19.6	18.9	21.1	25.6
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°	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0
2.5°	797.0	798.4	800.0	800.0	801.5	800.7	801.5	802.3	802.3	803.0	803.0
5°	801.5	803.7	806.7	809.7	810.6	812.8	815.0	813.6	815.9	818.9	818.9
7.5°	803.0	808.3	810.6	815.0	815.9	818.9	824.1	820.3	824.9	827.2	827.9
10°	800.7	806.0	809.7	815.0	817.3	822.6	827.9	826.4	831.6	835.4	836.2
12.5°	787.2	792.4	800.7	808.3	814.3	822.6	832.4	829.4	836.9	841.5	843.7
15°	760.8	766.0	775.1	787.2	798.4	811.3	824.1	826.4	833.9	839.2	841.5
17.5°	719.3	726.1	735.9	748.7	763.0	784.9	801.5	809.7	820.3	823.3	827.2
20°	680.8	687.7	693.7	701.2	711.8	732.8	754.7	771.3	784.9	796.2	799.3
22.5°	629.5	635.6	643.1	649.2	656.7	671.8	689.9	708.7	729.8	736.7	744.1
25°	567.8	571.5	582.1	585.8	591.1	603.9	618.2	631.8	652.2	666.5	670.3
27.5°	501.5	505.2	515.0	517.2	524.0	536.1	546.6	551.9	570.8	585.8	597.9
30°	424.5	434.3	446.3	447.9	455.4	462.9	472.7	478.0	495.3	511.2	526.3
32.5°	358.1	368.0	377.7	383.8	387.6	393.6	403.4	408.7	425.3	439.6	454.6
35°	290.3	302.4	313.0	321.2	324.2	331.7	339.3	344.6	361.9	374.7	385.3
37.5°	239.1	248.1	259.4	267.7	276.0	281.2	290.3	297.8	308.4	315.1	326.5
40°	214.1	218.7	224.7	231.5	238.2	244.2	251.1	257.1	263.9	273.0	280.5
42.5°	205.8	206.6	206.6	208.8	212.6	215.6	221.7	226.2	230.7	237.5	241.2
45°	199.8	199.1	197.5	196.1	196.8	198.3	202.1	205.1	210.4	213.4	214.1
47.5°	196.8	193.8	190.8	188.5	187.8	188.5	191.5	194.5	197.5	199.8	200.5
50°	186.9	184.8	180.2	177.2	175.6	177.2	180.9	182.5	185.5	187.8	188.5
52.5°	177.2	174.2	171.2	168.2	168.2	168.9	171.9	174.9	177.9	178.7	180.2
55°	171.2	166.6	163.6	161.3	159.9	162.1	164.4	168.2	171.9	172.6	174.2
57.5°	165.1	160.6	157.6	155.3	153.8	156.1	158.3	163.6	168.2	168.2	168.2
60°	161.3	157.6	153.1	150.8	148.5	150.8	153.8	159.1	163.6	162.9	162.1
62.5°	150.8	147.0	144.8	144.8	142.5	146.3	149.3	155.3	156.1	154.6	153.1
63°	147.8	144.8	143.2	143.2	141.8	145.5	148.5	153.8	153.8	152.3	150.8
65°	140.2	138.0	136.5	138.0	138.0	141.8	142.5	146.3	145.5	143.2	142.5
67.5°	134.2	132.7	131.2	131.2	131.2	131.9	132.7	134.2	133.5	132.7	133.5
70°	124.5	123.6	122.2	122.2	121.3	121.3	121.3	122.2	122.2	122.9	123.6
72.5°	112.3	110.9	110.9	111.6	110.1	110.9	111.6	110.9	112.3	112.3	113.1
75°	98.8	98.0	99.5	101.0	100.3	100.3	101.0	101.0	101.8	101.8	102.6
77.5°	88.2	89.0	89.7	91.2	92.0	92.0	92.0	91.2	92.0	92.0	92.7
80°	78.4	79.9	81.5	82.9	83.7	83.7	83.7	82.9	82.9	82.9	82.9
82.5°	70.9	73.2	74.6	75.4	75.4	75.4	75.4	75.4	75.4	73.9	72.3
85°	59.6	64.0	64.0	64.9	62.6	61.0	59.6	60.3	61.0	58.0	57.3
87.5°	30.2	30.2	31.7	33.2	33.9	33.9	38.4	36.2	35.4	34.7	33.2
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°	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0
2.5°	803.7	803.0	804.6	803.0	803.7	804.6	803.0	805.3	806.7	804.6	802.3
5°	820.3	820.3	824.1	825.6	826.4	830.9	828.6	830.2	831.6	830.9	831.6
7.5°	830.9	833.9	837.7	841.5	842.2	846.0	845.2	847.5	849.0	852.7	852.7
10°	840.0	843.7	849.0	852.7	856.6	859.6	861.0	865.6	866.3	869.3	869.3
12.5°	848.3	852.7	858.0	864.0	867.9	873.9	874.6	881.5	883.7	884.5	882.2
15°	846.7	852.0	858.0	864.9	871.6	879.2	883.7	890.5	894.2	895.8	892.0
17.5°	832.4	836.9	844.5	853.5	861.9	871.6	879.9	889.7	895.8	897.2	896.5
20°	804.6	807.6	817.3	829.4	839.2	854.3	866.3	881.5	891.2	898.8	901.0
22.5°	749.4	757.0	766.8	780.4	794.7	813.6	830.9	852.7	873.9	892.0	910.1
25°	683.1	696.7	711.8	729.8	747.3	766.8	786.4	811.3	842.2	879.9	922.9
27.5°	616.1	639.4	658.2	681.7	702.0	721.6	743.4	770.6	804.6	849.7	904.8
30°	548.2	574.5	594.9	622.1	649.2	675.5	697.4	726.1	759.3	805.3	865.6
32.5°	475.8	502.2	526.3	551.2	581.3	613.0	639.4	674.8	710.3	757.7	818.9
35°	401.1	424.5	444.9	471.3	504.5	538.3	573.1	613.8	652.2	702.0	766.8
37.5°	336.3	352.8	372.4	395.9	421.5	457.7	496.9	545.2	588.9	643.1	709.5
40°	282.8	291.8	303.1	322.7	346.1	381.6	420.0	471.3	524.0	583.6	647.7
42.5°	241.2	245.8	248.8	261.7	280.5	315.1	352.1	401.9	459.9	524.8	589.6
45°	214.1	216.4	217.1	223.9	237.5	267.7	306.1	348.4	404.1	467.5	535.3
47.5°	201.3	203.6	205.1	206.6	214.9	238.2	273.0	313.0	364.1	422.3	491.6
50°	190.8	193.1	195.2	194.5	198.3	213.4	242.8	279.7	328.0	381.6	450.2
52.5°	180.2	181.8	181.8	181.8	183.9	193.8	214.9	248.8	293.3	343.8	411.7
55°	174.2	175.6	176.5	177.2	177.9	183.2	199.1	226.2	264.7	311.4	372.4
57.5°	168.2	168.9	170.4	171.2	172.6	175.6	185.5	205.1	237.5	276.7	328.0
60°	162.9	164.4	167.4	168.2	169.6	170.4	174.9	186.9	208.1	238.2	279.7
62.5°	154.6	156.8	159.9	160.6	162.1	162.9	163.6	170.4	180.2	198.3	229.2
63°	152.3	154.6	158.3	159.1	159.9	159.9	160.6	165.1	174.2	190.1	212.6
65°	144.0	147.0	149.3	150.1	150.8	150.8	150.1	151.5	152.3	159.1	172.6
67.5°	134.9	137.2	138.8	139.5	138.8	139.5	138.8	137.2	135.8	137.2	143.2
70°	125.9	127.5	127.5	128.2	128.9	129.6	128.2	126.6	125.2	124.5	128.2
72.5°	115.3	116.9	116.9	117.6	117.6	119.2	119.2	118.3	118.3	119.2	119.9
75°	104.8	106.3	105.6	107.0	107.0	109.3	109.3	110.1	111.6	110.9	110.1
77.5°	95.0	95.8	95.8	96.5	97.3	101.0	103.3	104.0	104.0	102.6	101.0
80°	84.5	84.5	82.9	82.2	82.9	86.7	91.2	92.0	94.3	93.5	94.3
82.5°	70.9	67.9	65.6	65.6	67.2	69.3	70.9	72.3	73.9	73.9	75.4
85°	54.3	51.3	49.0	49.7	52.0	52.7	52.0	52.0	55.0	57.3	55.0
87.5°	32.4	29.4	27.9	25.6	26.4	28.6	27.9	25.6	26.4	21.1	19.6
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0
2.5°	803.7	803.0	801.5	799.3	798.4	797.0	797.7	795.4	794.0	792.4	790.2
5°	831.6	831.6	827.2	827.2	824.9	824.1	818.9	816.6	812.0	813.6	808.3
7.5°	851.3	853.5	848.3	847.5	844.5	843.7	836.9	834.7	830.9	829.4	824.9
10°	865.6	865.6	858.8	853.5	849.7	846.0	839.2	836.2	833.2	833.9	830.9
12.5°	876.9	871.6	861.9	854.3	849.0	845.2	840.0	837.7	836.9	842.2	843.0
15°	885.9	878.4	866.3	861.0	856.6	855.8	855.8	858.0	863.3	873.2	880.6
17.5°	891.2	886.7	880.6	879.2	886.7	891.2	897.2	904.0	911.6	925.2	933.5
20°	901.0	904.0	908.6	914.6	926.6	937.9	945.5	955.3	964.4	980.9	994.5
22.5°	926.6	944.0	958.3	970.4	988.5	1004.4	1014.1	1027.7	1034.5	1045.8	1066.9
25°	959.8	995.2	1025.4	1051.1	1079.0	1095.5	1109.1	1126.4	1137.0	1155.9	1174.7
27.5°	950.1	1000.5	1045.8	1093.3	1131.7	1174.7	1204.9	1233.6	1251.6	1279.5	1304.5
30°	919.9	980.2	1041.2	1103.8	1164.9	1226.7	1284.0	1336.1	1376.1	1416.0	1456.7
32.5°	879.2	948.5	1023.2	1100.1	1180.0	1265.9	1345.1	1423.5	1489.8	1548.0	1604.5
35°	832.4	910.8	988.5	1083.5	1182.3	1291.6	1401.7	1510.3	1611.3	1713.8	1783.2
37.5°	776.6	856.6	943.2	1052.5	1168.7	1303.6	1443.9	1585.7	1728.9	1866.8	1986.7
40°	717.1	798.4	889.7	1008.1	1139.3	1296.2	1471.1	1661.8	1858.5	2058.4	2217.5
42.5°	664.2	748.0	847.5	967.4	1109.8	1286.3	1493.0	1727.4	1967.9	2215.2	2449.0
45°	613.0	705.0	809.7	938.8	1097.1	1293.9	1525.3	1788.5	2065.9	2366.0	2651.1
47.5°	567.0	660.5	762.3	903.3	1078.2	1297.6	1557.0	1849.5	2158.7	2483.6	2822.2
50°	525.5	616.1	716.3	858.0	1048.8	1295.3	1585.7	1904.6	2238.7	2576.4	2954.2
52.5°	484.8	576.8	679.4	814.3	1012.6	1282.6	1599.2	1949.8	2312.5	2669.8	3060.4
55°	444.9	535.3	638.7	772.8	965.1	1249.3	1597.7	1979.3	2371.3	2758.1	3163.0
57.5°	398.1	484.0	585.1	726.8	914.6	1198.1	1575.1	1992.8	2421.9	2845.6	3285.9
60°	340.0	420.7	518.0	659.8	848.3	1132.5	1527.6	1985.3	2451.2	2910.5	3390.7
62.5°	268.4	338.5	427.6	566.2	765.3	1038.2	1438.7	1916.7	2404.5	2901.3	3439.7
63°	253.4	319.7	406.4	543.6	729.8	1012.6	1412.2	1889.5	2381.9	2882.5	3433.0
65°	203.6	246.5	316.0	438.9	610.8	886.7	1281.0	1750.1	2260.5	2749.8	3334.9
67.5°	156.1	177.9	214.9	300.8	432.0	697.4	1037.5	1483.1	1961.9	2421.9	3019.0
70°	133.5	143.2	159.1	199.8	274.4	440.3	728.4	1106.1	1520.8	1919.7	2456.5
72.5°	121.3	125.9	134.2	151.5	188.5	263.9	464.5	720.1	1034.5	1368.5	1783.2
75°	111.6	115.3	122.2	131.2	144.8	175.6	264.7	440.3	672.5	898.8	1203.4
77.5°	101.8	104.0	111.6	119.9	128.9	144.8	174.9	253.4	386.8	530.1	725.4
80°	93.5	92.0	97.3	110.9	119.9	128.9	138.0	164.4	220.2	290.3	392.1
82.5°	74.6	76.2	80.7	94.3	98.0	95.8	97.3	101.8	122.9	134.2	200.5
85°	50.5	46.7	46.0	47.5	47.5	45.3	45.3	44.5	49.0	55.8	95.8
87.5°	13.6	6.7	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°	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	0°
2.5°	788.7	787.9	788.7	784.9	784.9	784.1	783.4	781.9	781.9	778.9	781.1	2.5°
5°	803.7	802.3	799.3	794.7	792.4	789.4	789.4	786.4	784.1	781.1	781.9	5°
7.5°	821.1	821.9	816.6	812.8	811.3	808.3	809.0	804.6	805.3	803.0	801.5	7.5°
10°	830.9	830.9	832.4	831.6	833.2	833.2	835.4	832.4	830.9	828.6	828.6	10°
12.5°	846.7	849.7	855.8	855.8	860.3	861.9	862.6	864.0	861.0	859.6	854.3	12.5°
15°	885.9	893.5	898.8	906.3	915.3	918.3	918.3	915.3	913.9	911.6	901.8	15°
17.5°	950.8	967.4	971.9	983.9	985.5	989.2	999.8	993.8	989.9	974.2	971.2	17.5°
20°	1017.1	1038.2	1059.4	1074.4	1082.0	1097.1	1099.3	1096.3	1081.2	1066.1	1059.4	20°
22.5°	1097.1	1128.7	1152.8	1176.3	1187.6	1195.1	1211.7	1207.9	1195.9	1173.3	1164.1	22.5°
25°	1210.2	1249.3	1275.0	1303.6	1318.8	1326.3	1342.9	1342.9	1330.1	1323.2	1322.5	25°
27.5°	1352.6	1400.9	1443.1	1453.0	1492.1	1501.2	1517.0	1517.0	1505.0	1496.7	1536.7	27.5°
30°	1511.0	1561.6	1634.6	1683.6	1731.2	1777.9	1777.2	1780.2	1794.5	1802.1	1819.4	30°
32.5°	1669.3	1731.9	1809.5	1915.9	2017.7	2104.4	2216.8	2288.4	2266.5	2205.4	2181.3	32.5°
35°	1861.7	1931.0	2025.2	2132.3	2318.5	2430.9	2485.2	2523.6	2528.2	2536.5	2553.8	35°
37.5°	2075.8	2191.8	2301.1	2422.6	2525.9	2662.4	2788.3	2889.3	2912.6	2960.2	2933.1	37.5°
40°	2346.4	2476.2	2590.7	2747.6	2886.3	3050.7	3230.9	3369.6	3425.4	3407.3	3271.6	40°
42.5°	2629.9	2790.6	2924.8	3109.4	3289.6	3506.8	3693.1	3886.8	3921.6	3782.1	3579.2	42.5°
45°	2890.8	3089.8	3256.5	3448.8	3668.9	3929.0	4177.9	4376.9	4370.2	4131.1	3859.7	45°
47.5°	3125.3	3369.6	3573.2	3823.5	4060.2	4370.2	4656.0	4802.9	4716.3	4433.5	4100.9	47.5°
50°	3319.1	3623.7	3874.8	4128.1	4428.9	4802.2	5077.4	5160.3	4993.0	4685.3	4335.4	50°
52.5°	3475.1	3857.4	4139.4	4431.2	4811.2	5204.0	5440.8	5409.9	5193.5	4877.6	4529.2	52.5°
55°	3607.2	4036.2	4372.4	4717.0	5188.2	5550.2	5707.8	5624.8	5322.5	5002.0	4662.0	55°
57.5°	3743.6	4209.5	4586.5	4986.1	5511.0	5821.6	5909.0	5738.7	5383.5	5049.5	4719.3	57.5°
60°	3880.0	4354.3	4775.8	5221.5	5755.2	6043.2	6019.2	5764.2	5365.4	5014.8	4680.8	60°
62.5°	3972.0	4440.3	4885.9	5366.2	5938.4	6156.4	6008.6	5673.1	5260.6	4878.3	4566.2	62.5°
63°	3974.3	4443.3	4892.6	5376.0	5958.9	6160.1	5988.2	5640.6	5227.5	4850.5	4532.2	63°
65°	3926.8	4386.7	4832.3	5331.5	5941.5	6073.4	5812.5	5449.1	5038.1	4657.4	4355.9	65°
67.5°	3684.0	4153.0	4546.6	5017.1	5630.8	5668.5	5342.1	5048.7	4679.3	4285.0	3969.7	67.5°
70°	3194.7	3584.5	3970.6	4363.3	4878.3	4871.5	4564.7	4415.3	4091.9	3642.6	3389.9	70°
72.5°	2540.9	2890.8	3162.3	3425.4	3764.7	3696.1	3498.5	3540.0	3330.4	2994.8	2844.8	72.5°
75°	1886.5	2271.0	2403.7	2510.8	2654.1	2654.8	2709.1	2826.7	2823.7	2637.5	2448.2	75°
77.5°	1237.3	1658.0	1702.5	1788.5	1960.4	2194.1	2435.4	2694.8	2759.6	2612.5	2332.8	77.5°
80°	689.9	1127.3	1076.0	1149.8	1335.3	1652.7	2008.6	2295.1	2464.0	2381.9	2085.6	80°
82.5°	352.8	649.9	621.2	723.8	873.9	1149.8	1385.1	1605.3	1804.4	1793.0	1680.6	82.5°
85°	183.2	355.9	404.9	458.4	533.8	632.6	721.6	785.7	868.6	1014.9	1064.7	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.0	54.3	39.2	107.8	153.8	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°
791.0	791.0	791.0	791.0	791.0	791.0	791.0
781.9	782.7	781.1	781.1	781.9	781.9	780.4
780.4	780.4	778.9	777.4	775.9	775.9	774.3
797.7	797.7	792.4	790.2	786.4	783.4	781.9
823.3	818.9	812.8	808.3	802.3	795.4	791.7
849.0	842.2	834.7	827.9	820.3	812.8	809.0
891.2	882.2	872.3	864.0	853.5	842.2	837.7
956.1	941.8	928.9	916.9	898.0	889.7	880.6
1042.0	1020.9	1004.4	983.9	960.6	953.1	941.8
1146.1	1128.0	1094.8	1079.7	1056.4	1045.1	1047.3
1304.5	1281.0	1242.6	1228.3	1226.0	1201.1	1189.0
1511.0	1512.5	1477.1	1438.7	1417.5	1378.3	1328.5
1805.1	1784.7	1743.2	1704.0	1654.3	1580.4	1497.4
2160.9	2115.8	2047.0	1974.0	1885.7	1771.9	1655.8
2508.5	2429.3	2320.0	2197.9	2070.5	1928.7	1764.4
2813.9	2691.0	2527.4	2387.2	2206.9	2029.7	1829.2
3092.8	2940.6	2729.4	2547.8	2335.1	2107.5	1869.9
3362.8	3169.7	2911.2	2665.4	2424.9	2159.5	1889.5
3619.9	3371.1	3064.2	2771.7	2490.5	2193.4	1892.5
3817.5	3546.0	3201.5	2848.6	2535.6	2219.0	1892.5
4000.7	3693.8	3306.2	2908.9	2577.9	2236.4	1894.0
4143.2	3797.8	3374.1	2951.9	2611.1	2249.1	1900.8
4246.5	3865.7	3419.4	2978.2	2635.2	2267.3	1915.9
4318.9	3910.3	3444.2	3001.7	2664.7	2299.0	1958.1
4353.6	3992.4	3485.7	3048.4	2715.1	2366.0	2042.6
4327.2	4119.8	3604.0	3127.6	2785.3	2470.9	2177.5
4315.9	4143.2	3636.5	3144.9	2801.0	2493.5	2224.2
4227.7	4166.5	3769.9	3232.3	2876.5	2593.8	2354.7
3954.0	4074.6	3882.3	3380.1	3038.5	2837.3	2598.2
3599.6	3938.1	3862.0	3399.0	3141.9	3037.1	2752.1
3175.0	3525.7	3454.8	3147.9	3028.1	3039.4	2712.1
2498.8	2761.9	2715.1	2607.4	2631.4	2714.4	2323.0
2001.9	1966.4	1858.5	1866.1	2005.6	2102.9	1672.3
1635.4	1324.0	1183.7	1187.6	1431.1	1532.1	1065.4
1556.3	1252.3	1020.1	891.2	1041.2	1002.8	556.5
1108.4	1110.7	921.3	748.7	725.4	616.8	346.8
262.4	210.4	150.1	111.6	117.6	77.6	39.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)