

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: P152713

Luminaire Tested: **VXS-F01-LED-E1-SLL-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P152713  
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-SLL-8030  
Description: VISION SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (7) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1938.6 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

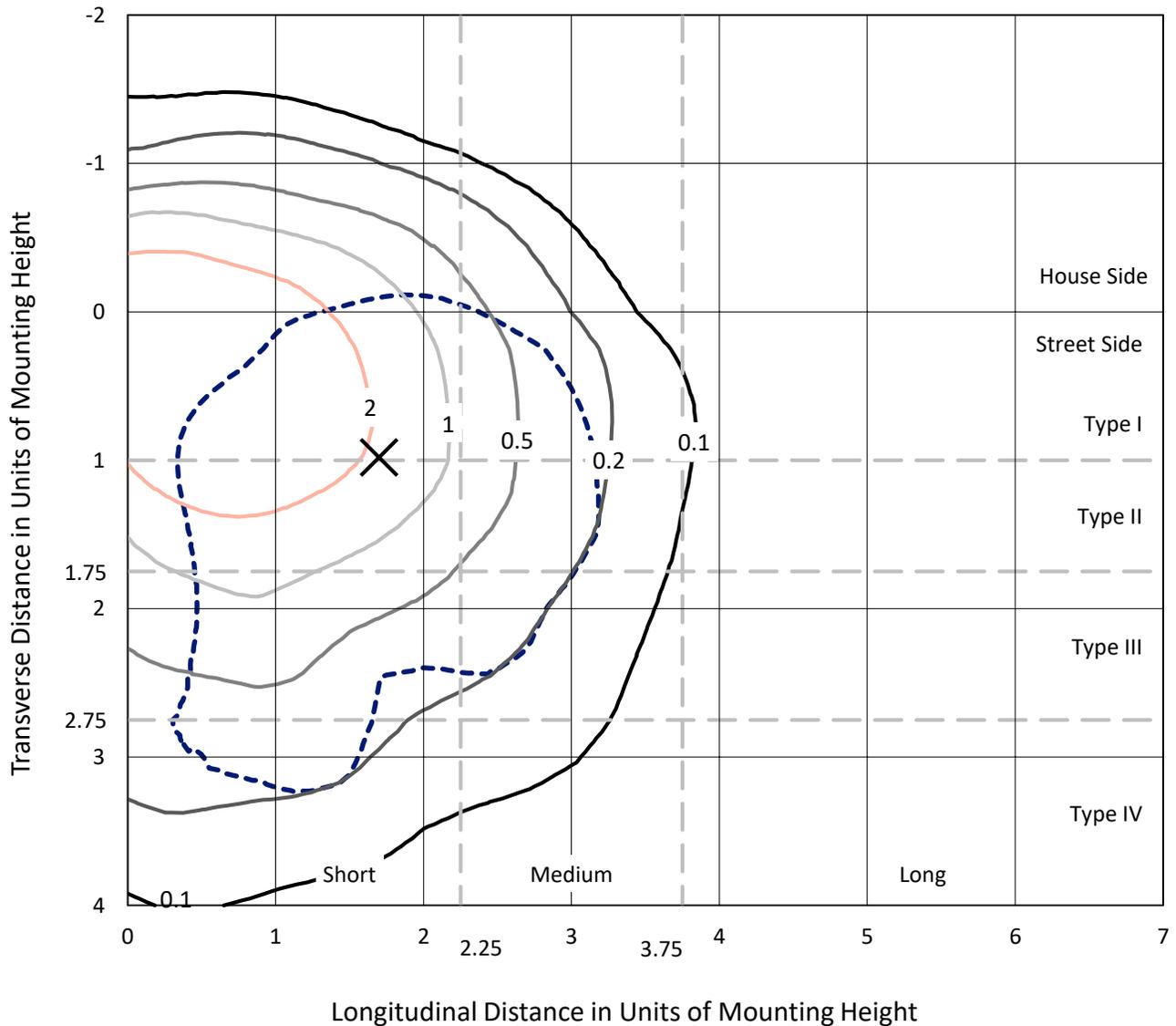
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

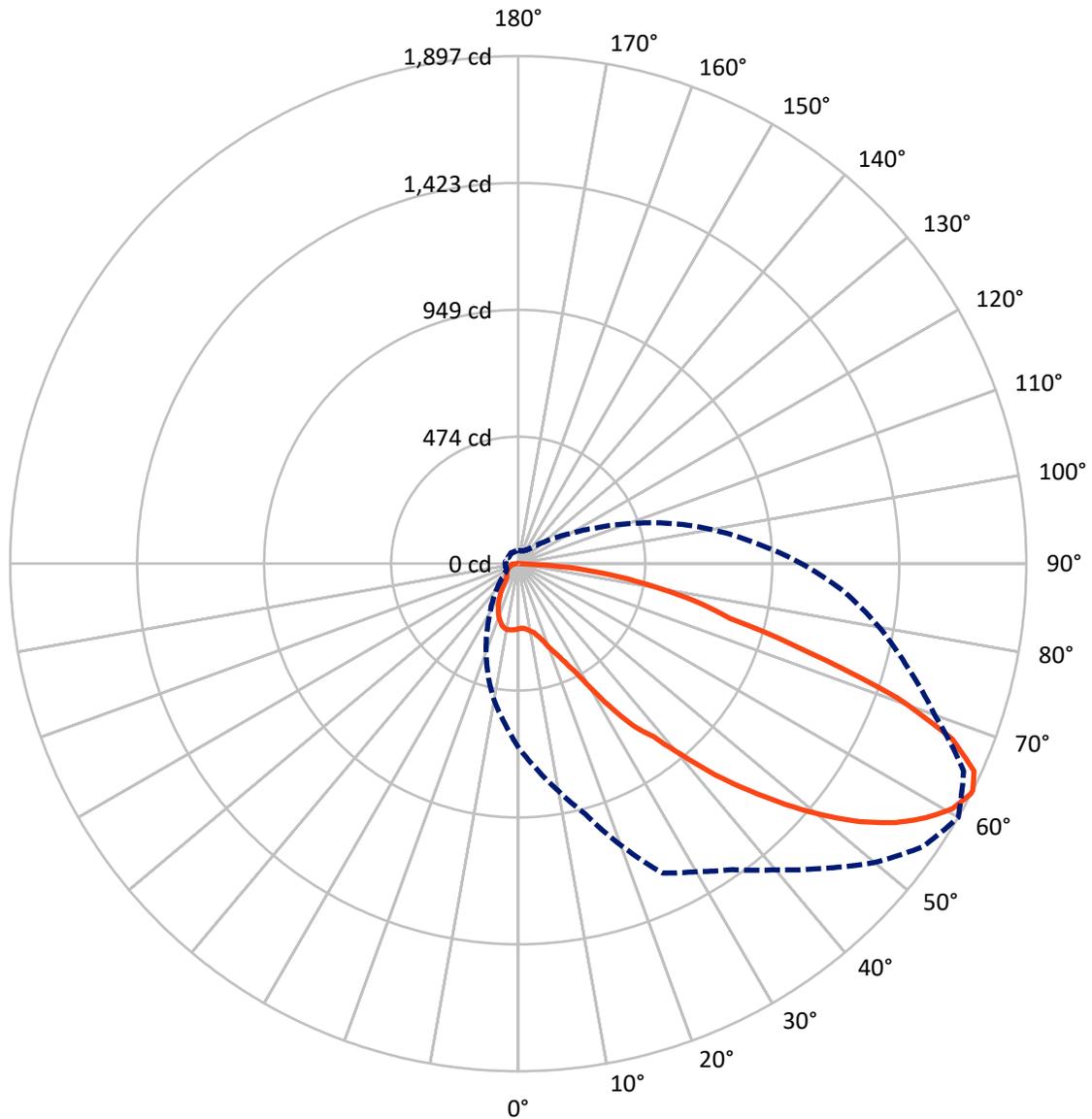
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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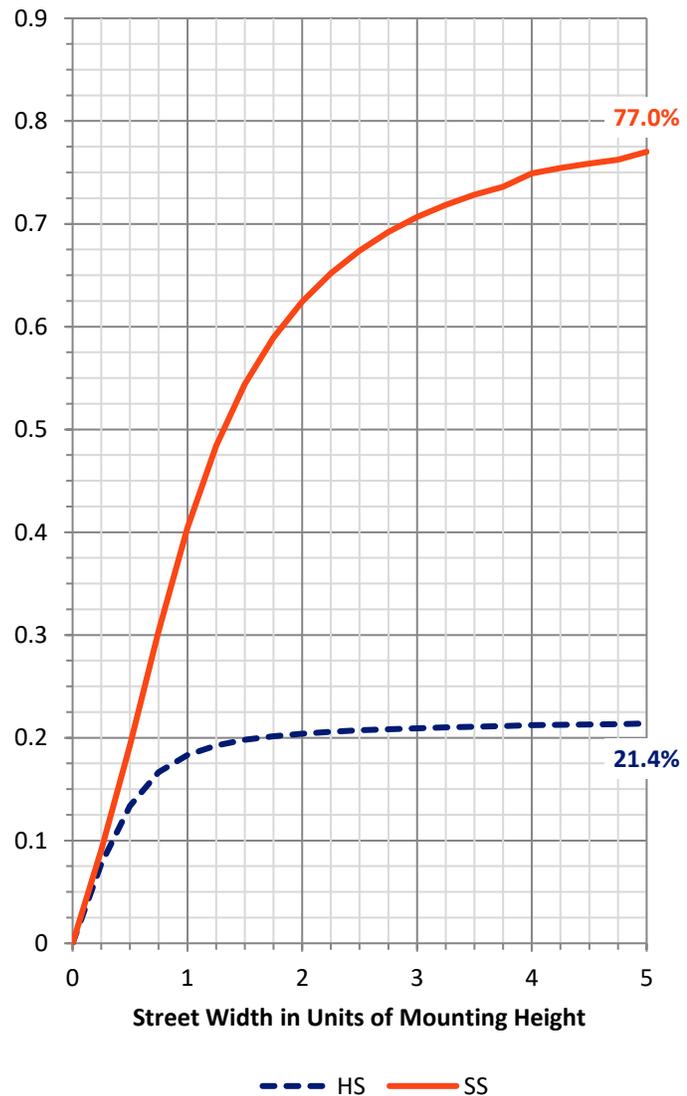
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	420.4	0.0	420.4
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	1518.3	0.0	1518.3
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	1938.6	0.0	1938.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.7	1.2
10°-20°	73.9	3.8
20°-30°	131.2	6.8
30°-40°	206.6	10.7
40°-50°	304.1	15.7
50°-60°	403.9	20.8
60°-70°	444.9	23.0
70°-80°	279.1	14.4
80°-90°	71.1	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°	1938.6	100.0
0°-180°	1938.6	100.0

**Coefficient of Utilization**



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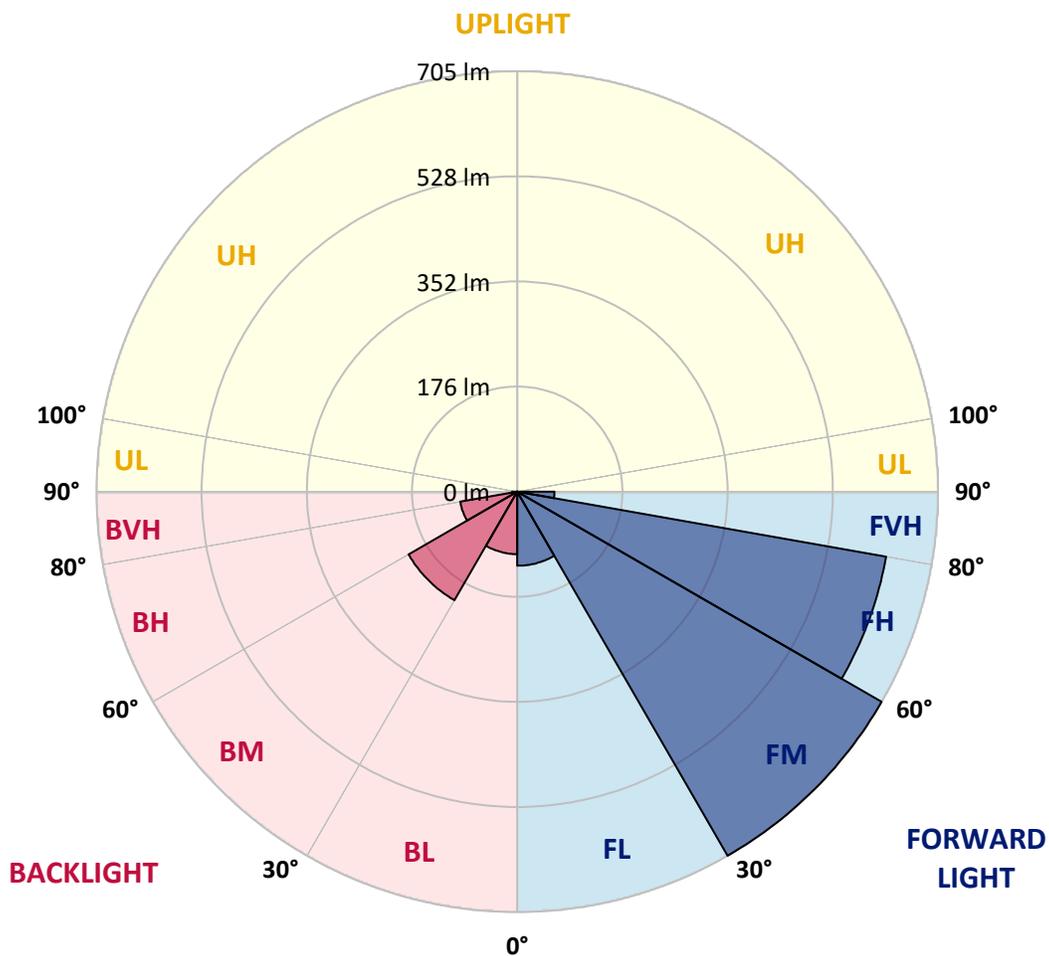
CATALOG NUMBER: VXS-F01-LED-E1-SLL-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.1	6.4			
FM	(30°-60°)	704.5	36.3			
FH	(60°-80°)	627.2	32.4			G0/660
FVH	(80°-90°)	62.4	3.2			G1/100
BL	(0°-30°)	104.7	5.4	B0/110		
BM	(30°-60°)	210.1	10.8	B0/220		
BH	(60°-80°)	96.9	5.0	B0/110		G0/110
BVH	(80°-90°)	8.7	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6
2.5°	240.4	240.8	240.8	240.6	240.6	241.0	240.8	240.6	239.9	240.8	240.8
5°	238.5	239.0	239.0	239.5	239.9	240.4	240.4	240.8	240.6	241.6	242.3
7.5°	240.8	241.3	242.3	243.4	244.0	245.7	245.7	246.8	247.4	248.1	247.8
10°	243.8	245.0	247.2	249.0	250.4	252.2	253.6	255.2	255.2	256.0	256.4
12.5°	249.2	250.4	252.6	255.0	257.1	259.4	261.6	263.1	264.8	265.2	266.1
15°	258.0	259.4	262.9	266.1	268.7	271.7	274.5	277.7	280.8	281.5	282.0
17.5°	271.3	274.1	276.6	282.4	286.1	290.1	294.5	299.2	300.1	305.0	306.1
20°	290.1	293.6	295.9	303.1	309.3	314.5	320.9	326.3	328.4	333.1	337.7
22.5°	322.6	321.9	325.4	332.5	337.2	347.5	353.1	358.5	361.3	368.3	372.0
25°	366.2	369.9	377.6	378.3	382.7	394.6	401.8	407.4	407.6	409.6	413.7
27.5°	409.2	424.6	436.6	443.1	454.9	465.9	465.4	473.3	461.0	463.5	467.3
30°	461.2	486.7	509.5	524.9	537.0	549.7	556.0	560.4	555.0	552.7	548.3
32.5°	510.1	545.8	580.8	608.0	630.6	651.7	665.6	671.9	679.3	698.1	704.9
35°	543.4	594.1	637.7	677.0	714.6	748.3	772.6	786.6	781.2	778.8	777.3
37.5°	563.4	625.2	679.8	735.3	778.4	828.9	866.7	903.4	911.8	897.2	889.9
40°	576.0	649.1	719.3	784.8	840.7	905.8	952.6	1007.7	1049.5	1055.1	1037.9
42.5°	582.0	665.2	746.9	821.0	896.7	976.4	1035.9	1102.5	1165.0	1207.9	1197.2
45°	582.9	675.6	767.2	853.8	943.8	1038.3	1115.0	1188.9	1272.4	1346.1	1348.2
47.5°	582.9	683.5	781.0	877.4	986.1	1092.2	1175.9	1263.2	1365.6	1452.6	1479.4
50°	583.4	688.8	794.1	896.0	1018.4	1137.7	1232.3	1335.4	1443.2	1537.9	1589.5
52.5°	585.5	692.7	804.2	909.2	1039.3	1169.8	1276.2	1395.1	1502.4	1599.7	1666.3
55°	590.2	698.3	811.7	917.4	1053.3	1190.7	1308.0	1436.0	1540.7	1639.4	1732.5
57.5°	603.1	708.1	820.7	924.6	1060.9	1204.5	1330.3	1453.6	1555.3	1658.2	1767.7
60°	629.1	728.8	836.3	939.0	1073.7	1229.7	1340.9	1441.8	1544.7	1652.6	1775.5
62.5°	670.7	761.0	857.9	963.3	1110.2	1269.0	1332.8	1406.5	1502.6	1620.4	1747.5
63°	685.1	768.1	862.8	968.7	1120.1	1276.2	1329.3	1396.1	1494.0	1610.2	1737.4
65°	725.3	799.0	886.0	995.6	1161.2	1283.4	1302.2	1341.7	1434.6	1551.8	1678.4
67.5°	800.3	874.0	936.0	1041.1	1195.9	1255.0	1217.9	1222.8	1319.9	1441.3	1555.1
70°	847.7	935.4	967.8	1046.9	1189.5	1213.1	1108.7	1044.1	1122.0	1260.4	1360.0
72.5°	835.3	936.2	932.7	969.6	1064.1	1086.0	978.0	876.3	922.5	1025.8	1090.4
75°	715.5	836.1	810.6	803.1	836.3	850.7	769.6	754.1	812.4	869.7	870.7
77.5°	515.1	647.8	617.8	574.8	572.4	605.7	616.6	718.5	804.8	850.1	830.1
80°	328.2	471.9	440.8	365.8	364.7	407.8	503.7	642.4	733.7	759.0	706.9
82.5°	171.4	308.9	320.7	274.5	314.2	385.8	479.4	517.7	552.2	555.8	494.4
85°	106.8	189.9	223.4	230.6	283.8	342.1	341.5	328.0	312.6	267.6	242.0
87.5°	12.1	23.9	36.3	34.4	46.2	64.8	80.8	47.4	33.2	12.1	16.7
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°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6
2.5°	241.3	241.6	241.8	241.8	242.9	242.7	242.9	243.4	244.0	244.6	245.0
5°	243.2	243.2	244.0	244.8	246.2	247.2	247.6	249.0	250.6	250.2	251.5
7.5°	249.2	249.0	249.8	250.4	251.5	253.2	253.0	254.1	255.4	256.0	257.1
10°	257.3	256.6	256.6	256.2	256.4	256.0	256.0	256.0	256.9	256.6	257.5
12.5°	265.7	265.5	265.0	263.6	263.6	261.8	260.8	259.7	259.4	257.8	258.0
15°	282.9	282.9	282.0	279.2	276.8	275.2	272.8	271.3	268.9	265.9	264.2
17.5°	308.0	304.7	303.5	303.1	299.4	297.9	292.8	287.6	285.0	280.8	278.4
20°	338.7	337.9	333.3	331.0	326.3	319.8	313.3	306.3	302.2	297.0	294.3
22.5°	373.3	368.1	365.8	362.3	355.1	347.7	337.9	328.6	322.1	318.7	316.6
25°	413.7	408.5	406.2	401.6	392.7	384.9	372.7	361.9	356.1	350.3	346.9
27.5°	467.3	462.4	459.6	447.6	444.6	431.5	416.7	401.8	394.1	385.5	380.0
30°	547.4	547.7	533.3	518.7	503.5	480.9	465.4	448.7	436.2	423.8	411.5
32.5°	682.8	648.2	621.5	590.2	557.4	533.5	514.2	494.2	476.8	459.0	438.4
35°	765.5	748.8	714.2	656.8	623.8	594.8	573.4	549.2	527.9	496.3	465.2
37.5°	858.9	820.1	778.0	746.2	708.8	675.1	639.4	611.9	575.0	532.5	488.4
40°	995.1	939.7	889.0	846.3	798.0	762.7	722.8	683.0	634.0	572.4	511.9
42.5°	1137.5	1080.2	1013.3	957.8	900.8	859.6	810.1	754.3	682.4	606.1	532.1
45°	1286.8	1210.3	1130.2	1062.3	1003.1	951.7	890.5	816.6	728.8	636.4	550.9
47.5°	1434.1	1346.1	1250.7	1177.7	1100.6	1037.9	962.7	869.3	765.0	664.9	569.7
50°	1563.9	1479.2	1364.2	1271.5	1193.5	1116.2	1022.4	909.9	793.6	689.5	586.6
52.5°	1675.9	1603.0	1482.0	1364.9	1275.0	1188.2	1070.5	942.7	822.4	712.3	600.6
55°	1758.1	1709.5	1598.0	1453.0	1346.8	1243.2	1111.1	974.3	849.5	730.4	609.6
57.5°	1820.1	1793.2	1697.5	1535.9	1412.7	1296.6	1153.1	1012.1	876.5	746.0	613.8
60°	1854.0	1861.5	1772.7	1608.3	1471.1	1341.2	1195.1	1044.5	896.5	755.0	611.5
62.5°	1850.8	1896.3	1829.1	1652.8	1505.0	1367.7	1223.4	1059.5	893.7	740.6	590.4
63°	1844.5	1897.4	1835.4	1656.0	1507.0	1368.6	1224.1	1057.4	887.9	733.7	582.0
65°	1790.4	1870.8	1830.1	1642.2	1488.5	1351.2	1209.5	1027.3	847.0	696.3	539.1
67.5°	1645.5	1746.0	1734.4	1545.4	1400.4	1279.2	1134.7	929.9	746.0	604.4	456.8
70°	1406.0	1500.5	1502.6	1344.0	1223.0	1104.1	984.0	756.7	591.3	468.4	340.7
72.5°	1077.6	1138.4	1159.6	1055.1	974.0	890.5	782.7	549.2	421.6	318.7	221.8
75°	834.5	817.7	817.5	773.4	740.4	699.5	581.0	370.7	276.8	207.2	135.6
77.5°	750.2	675.9	603.8	550.9	524.5	510.7	381.1	223.4	163.3	119.2	78.0
80°	618.7	509.1	411.3	354.2	331.4	347.3	212.5	120.7	89.4	67.8	50.7
82.5°	426.6	354.2	269.2	223.0	191.4	200.2	108.7	61.8	41.3	37.8	31.4
85°	222.3	194.8	164.5	141.2	124.8	109.6	56.5	29.5	17.2	15.1	13.7
87.5°	0.0	0.2	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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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6
2.5°	245.7	245.5	245.9	246.2	246.8	247.4	247.6	247.2	247.8	248.5	248.1
5°	252.2	253.9	254.1	254.8	254.8	256.2	256.2	256.2	256.0	256.2	255.8
7.5°	257.8	259.9	260.1	261.0	261.2	262.9	262.2	262.7	262.7	261.6	261.0
10°	258.4	260.6	261.8	262.9	264.6	266.6	266.6	267.8	267.8	266.8	266.6
12.5°	258.8	260.3	261.6	263.1	265.5	268.5	270.1	271.7	272.4	272.2	271.5
15°	263.6	263.6	263.8	265.2	266.8	270.6	272.8	274.7	276.0	275.4	274.3
17.5°	276.4	274.5	273.2	270.8	271.3	273.2	274.5	276.2	276.4	276.0	274.1
20°	291.2	288.9	285.4	281.8	279.9	278.4	277.5	277.5	276.8	274.5	271.5
22.5°	312.3	309.3	304.5	298.9	295.2	290.8	285.4	280.3	274.7	269.2	262.7
25°	341.7	337.4	332.3	323.7	315.9	306.5	295.6	284.2	271.0	259.4	249.8
27.5°	371.1	361.9	348.6	336.8	322.1	308.2	292.6	278.7	261.8	247.8	237.3
30°	395.5	377.8	358.9	340.0	320.7	302.0	283.3	266.6	248.1	233.9	223.6
32.5°	414.3	389.9	363.4	338.9	315.1	292.1	270.8	252.2	233.4	218.8	207.9
35°	431.7	397.8	364.1	333.8	304.5	280.5	256.4	236.2	216.3	200.9	189.0
37.5°	444.8	401.6	360.0	324.2	290.6	263.8	239.2	218.5	198.1	181.3	167.9
40°	453.2	399.3	350.9	310.5	274.1	245.9	220.8	199.5	179.8	161.5	145.2
42.5°	459.9	396.2	341.9	297.9	261.0	230.4	204.6	181.7	161.7	141.7	123.8
45°	469.8	398.5	337.9	289.1	249.4	217.1	188.8	164.9	144.0	124.5	107.3
47.5°	479.6	399.7	332.1	278.2	234.8	203.4	174.6	151.4	130.1	112.1	96.4
50°	488.4	399.0	323.0	264.2	220.6	189.7	161.9	138.7	117.5	101.0	86.1
52.5°	492.6	395.0	311.9	250.8	209.2	177.6	149.3	126.8	105.9	90.4	76.7
55°	492.1	384.9	297.3	238.0	196.7	164.9	137.0	114.7	96.0	81.6	69.6
57.5°	485.2	369.0	281.8	223.8	180.2	149.1	122.6	101.0	85.3	73.2	63.2
60°	470.6	348.8	261.2	203.2	159.6	129.6	104.8	86.1	73.4	64.1	57.6
62.5°	443.1	319.8	235.8	174.4	131.7	104.2	82.7	70.6	61.0	55.5	52.5
63°	435.0	311.9	224.8	167.5	125.2	98.4	78.0	65.5	58.5	53.7	50.9
65°	394.6	273.2	188.1	135.1	97.3	76.0	62.7	53.2	49.0	46.9	46.6
67.5°	319.6	214.8	133.1	92.6	66.2	54.8	48.1	44.1	42.3	41.8	42.3
70°	224.4	135.6	84.6	61.6	49.0	44.1	41.1	39.5	38.3	38.5	39.1
72.5°	143.1	81.2	58.0	46.6	41.3	38.8	37.4	36.9	36.7	36.5	36.5
75°	81.6	54.1	44.6	40.4	37.6	35.5	34.4	33.9	34.1	34.4	33.9
77.5°	53.9	44.6	39.7	36.9	34.4	32.0	31.4	31.1	31.6	32.0	32.0
80°	42.5	39.7	36.9	34.1	29.9	28.3	28.8	29.0	28.8	29.0	28.3
82.5°	29.9	29.5	30.2	29.0	24.9	23.4	23.0	23.2	22.8	22.8	22.3
85°	13.9	13.9	14.6	14.6	14.2	14.4	15.5	17.0	17.6	17.0	16.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.1	4.1	6.0	6.5	8.1	7.9
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°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6
2.5°	247.4	247.8	247.6	247.4	247.8	247.4	247.6	247.4	247.4	247.2	247.2
5°	255.2	256.0	254.5	254.3	253.9	252.6	252.6	252.2	252.2	251.3	250.6
7.5°	260.3	260.6	259.4	259.2	258.0	256.9	256.0	255.0	254.8	254.1	252.6
10°	265.2	264.8	263.8	262.7	261.6	259.9	258.8	257.5	257.3	256.2	254.5
12.5°	269.4	269.2	267.4	266.1	264.2	262.7	261.2	259.9	259.2	257.8	255.4
15°	272.2	270.8	268.5	266.4	264.2	262.5	260.8	259.2	258.4	256.9	254.5
17.5°	271.0	268.5	265.5	262.9	260.1	257.8	256.4	254.8	253.6	252.6	249.4
20°	266.8	263.1	258.4	255.4	251.7	248.7	247.8	246.2	245.3	241.8	237.6
22.5°	256.0	250.6	244.8	240.4	236.2	233.2	230.9	229.2	226.9	224.8	218.3
25°	242.3	236.2	230.2	224.8	219.3	214.6	210.4	206.4	205.3	200.9	194.6
27.5°	229.0	222.3	216.3	209.9	202.8	197.0	189.7	184.1	180.4	175.9	170.1
30°	214.8	208.1	200.0	191.6	183.2	177.0	168.8	162.1	157.5	152.5	147.3
32.5°	197.0	188.8	179.1	169.7	162.1	154.7	146.5	140.0	135.4	131.0	125.9
35°	176.5	165.8	155.3	145.2	137.0	130.8	123.5	118.7	115.4	111.5	106.1
37.5°	153.1	140.9	129.8	122.0	114.7	108.7	103.6	100.5	97.1	95.0	91.7
40°	129.3	117.5	106.6	99.4	93.4	89.8	87.0	86.4	84.0	81.2	79.2
42.5°	108.5	97.1	86.4	80.6	76.7	75.8	74.3	74.3	73.2	71.1	69.6
45°	94.3	82.5	73.2	69.0	66.8	66.6	65.9	65.9	65.7	64.8	63.2
47.5°	84.0	73.4	66.2	63.6	63.2	62.7	62.0	61.8	61.6	60.8	59.9
50°	74.8	65.7	61.0	59.9	60.1	59.5	58.8	58.0	57.8	57.1	56.2
52.5°	66.2	59.7	56.7	56.0	56.0	56.0	55.5	55.5	55.0	54.8	53.9
55°	61.3	56.5	54.8	54.6	54.3	54.1	53.7	53.7	53.2	53.0	51.8
57.5°	57.1	54.1	53.2	52.7	52.5	52.0	51.8	51.8	51.8	51.8	50.4
60°	53.9	52.5	52.2	51.8	51.6	50.7	50.2	49.9	50.2	50.4	49.0
62.5°	50.4	50.2	49.9	49.4	49.2	48.3	47.6	47.2	47.6	48.1	47.9
63°	49.4	49.2	49.2	49.0	48.8	47.6	46.9	46.4	46.9	47.4	47.4
65°	46.2	46.4	46.4	46.2	46.0	45.3	44.4	43.9	44.1	44.9	45.1
67.5°	42.7	43.0	42.7	43.0	42.7	42.3	41.6	41.1	40.8	41.1	41.3
70°	39.5	39.9	39.7	39.5	39.3	39.3	38.8	38.1	37.8	37.6	37.6
72.5°	36.7	36.7	36.3	36.3	36.0	36.0	35.5	34.8	34.6	34.6	34.1
75°	33.7	33.7	33.0	33.0	32.5	32.7	32.3	31.6	31.4	31.4	31.1
77.5°	31.8	31.1	29.9	29.7	29.5	29.5	29.2	28.6	28.3	28.3	28.1
80°	28.1	26.7	25.6	25.3	25.6	26.0	26.0	25.6	25.6	25.6	25.6
82.5°	21.9	21.3	20.6	20.2	20.2	20.9	21.9	22.3	22.8	23.2	23.2
85°	16.1	16.3	16.1	15.3	15.1	15.8	16.7	17.6	17.9	18.9	18.5
87.5°	8.6	8.8	8.1	7.9	8.6	9.0	9.9	10.3	10.7	10.9	11.2
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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6
2.5°	246.8	246.6	246.8	246.4	246.4	245.9	245.5	245.3	244.8	244.6	244.0
5°	251.1	250.4	249.6	249.4	248.5	247.6	246.8	245.7	244.8	243.2	242.7
7.5°	253.9	252.2	251.3	251.1	249.6	249.0	247.4	245.9	244.6	242.5	241.8
10°	255.0	253.4	251.7	251.1	249.4	248.3	246.6	244.6	243.4	241.3	240.8
12.5°	256.4	253.4	250.8	249.0	246.6	244.0	242.5	241.3	239.7	238.5	238.0
15°	253.9	249.8	245.9	242.5	238.8	236.0	234.3	232.4	230.6	229.9	229.9
17.5°	246.8	241.8	235.0	230.6	226.6	223.6	221.6	219.7	219.5	218.5	219.0
20°	232.4	225.7	219.3	216.0	213.7	211.8	209.7	208.8	208.1	206.7	206.2
22.5°	212.5	206.9	202.3	200.0	198.1	195.8	193.9	191.1	190.5	189.0	188.4
25°	190.5	186.0	182.1	180.4	179.3	176.1	174.9	171.2	168.6	166.9	167.9
27.5°	168.4	165.1	161.5	159.3	158.7	155.6	154.4	150.3	148.2	148.2	145.8
30°	145.6	142.6	140.3	137.9	137.5	133.8	130.8	129.1	126.8	125.9	124.2
32.5°	124.2	121.2	119.4	118.2	116.4	113.4	110.4	107.6	103.8	102.4	101.8
35°	104.6	102.2	99.9	99.0	96.4	93.2	89.4	87.0	82.7	81.0	80.3
37.5°	89.4	86.6	85.0	82.5	79.9	76.4	73.6	71.5	69.9	69.2	69.2
40°	77.3	75.2	73.4	71.3	69.2	67.4	65.9	65.5	65.3	65.3	65.7
42.5°	68.3	66.4	65.5	64.4	63.6	63.6	63.4	63.6	63.8	64.1	64.8
45°	62.3	61.0	60.6	60.4	60.8	61.3	61.6	62.0	62.9	63.4	63.6
47.5°	59.0	58.0	57.8	58.0	58.8	59.7	60.6	61.3	62.0	62.3	62.5
50°	55.8	54.6	54.1	54.6	55.5	56.9	57.6	58.8	59.2	59.7	59.2
52.5°	53.0	52.0	51.8	51.8	52.7	53.7	54.6	55.5	55.8	55.8	55.5
55°	50.7	49.9	49.2	49.7	50.4	51.3	52.7	53.4	53.9	54.1	54.1
57.5°	48.8	48.1	47.4	47.9	48.5	49.4	50.9	51.6	52.0	52.7	53.0
60°	47.4	46.4	45.8	46.4	47.2	48.5	49.7	50.4	51.6	51.8	51.8
62.5°	46.0	45.1	43.9	44.6	44.6	45.3	46.4	47.4	48.5	49.0	49.0
63°	45.8	44.9	43.6	44.1	44.1	44.6	45.5	46.4	47.9	48.3	48.1
65°	43.9	43.6	42.5	42.5	42.1	42.5	43.2	44.1	44.9	45.5	45.5
67.5°	40.8	40.6	40.4	40.4	40.4	40.8	41.3	42.1	42.7	43.2	43.0
70°	37.4	37.4	37.4	37.6	37.6	38.1	38.3	38.1	38.8	39.3	39.1
72.5°	34.4	34.1	33.9	34.4	34.1	34.1	34.6	34.4	35.0	35.0	35.3
75°	31.1	30.9	30.9	31.1	30.7	30.2	30.5	30.5	30.7	30.7	31.1
77.5°	28.3	28.3	28.3	28.1	27.7	27.4	27.2	27.2	27.2	27.2	27.4
80°	25.8	25.8	25.8	25.6	25.1	24.7	24.1	23.9	23.7	22.5	22.5
82.5°	23.2	23.2	23.2	23.2	23.0	22.5	21.9	20.0	19.1	18.1	18.3
85°	18.3	18.9	19.3	20.0	19.7	19.7	18.3	16.1	14.6	13.7	13.9
87.5°	11.8	10.5	10.5	10.3	9.7	9.3	9.3	7.9	6.5	5.8	6.0
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°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	0°
2.5°	244.0	243.6	243.2	243.2	242.5	242.5	242.0	242.9	242.0	241.3	241.3	2.5°
5°	242.3	241.8	240.4	240.1	239.2	239.2	239.2	238.8	238.8	238.2	238.0	5°
7.5°	241.0	239.9	238.8	238.0	238.0	237.6	238.5	238.0	238.2	238.2	238.5	7.5°
10°	240.1	239.2	238.8	238.5	238.5	239.2	239.9	240.1	239.9	240.1	240.1	10°
12.5°	237.8	238.2	238.5	239.5	240.6	242.0	243.6	243.8	244.4	244.4	244.8	12.5°
15°	230.4	231.5	233.0	235.2	238.2	241.3	244.4	246.8	249.2	250.4	251.3	15°
17.5°	219.9	221.1	223.6	226.2	230.2	234.6	239.7	244.0	249.0	253.4	257.8	17.5°
20°	205.8	207.7	208.3	213.0	217.6	223.6	229.7	236.7	245.0	253.4	262.0	20°
22.5°	187.5	189.5	192.7	196.5	201.3	208.8	216.0	226.9	238.0	249.8	263.3	22.5°
25°	166.9	169.3	172.1	176.1	180.9	188.8	199.3	210.9	224.6	240.1	256.9	25°
27.5°	145.8	148.2	150.5	153.3	158.9	167.3	179.5	191.6	206.7	223.6	243.2	27.5°
30°	124.8	125.0	126.3	129.8	135.6	146.5	155.6	170.7	186.5	204.4	226.9	30°
32.5°	101.5	101.2	102.9	105.9	111.5	122.0	133.1	147.7	163.3	185.8	209.0	32.5°
35°	80.8	80.8	83.8	86.8	93.2	100.5	110.4	123.3	141.7	162.6	185.8	35°
37.5°	69.9	71.5	73.4	76.4	81.2	87.0	95.6	107.0	121.5	141.5	162.8	37.5°
40°	66.4	67.4	69.0	71.8	76.0	81.2	87.6	96.2	107.3	123.3	142.8	40°
42.5°	65.1	65.3	66.2	68.3	72.0	77.3	83.8	91.5	99.9	111.3	128.2	42.5°
45°	63.6	63.4	63.8	65.5	68.5	74.5	82.0	90.4	98.7	108.2	122.2	45°
47.5°	62.5	62.5	62.5	63.2	65.9	72.0	80.6	90.4	100.3	111.0	124.8	47.5°
50°	59.2	59.0	59.0	59.5	61.6	68.1	78.2	90.2	103.1	117.1	132.6	50°
52.5°	55.5	55.5	55.8	56.0	57.8	64.4	75.8	90.2	106.3	125.0	144.5	52.5°
55°	54.3	54.6	54.8	54.6	56.0	61.6	73.0	88.7	107.8	131.2	157.2	55°
57.5°	53.4	53.9	53.9	53.7	54.6	59.2	70.2	85.9	106.6	133.6	166.3	57.5°
60°	52.0	52.0	52.0	51.3	51.8	56.0	65.9	81.6	102.9	131.4	167.7	60°
62.5°	49.0	49.0	48.5	48.3	48.1	51.3	60.4	75.0	96.2	125.9	164.2	62.5°
63°	48.3	48.1	48.1	47.4	47.4	50.4	59.2	74.1	94.3	124.5	162.8	63°
65°	45.8	45.8	45.8	45.3	45.1	47.4	54.6	67.6	87.0	118.0	155.9	65°
67.5°	43.0	43.2	42.7	42.5	42.3	43.6	49.2	59.5	76.0	104.2	142.8	67.5°
70°	39.1	39.3	39.3	39.1	38.8	39.7	43.2	51.1	62.9	86.8	121.7	70°
72.5°	35.5	36.0	36.0	36.5	36.5	37.2	38.5	42.5	50.4	67.8	95.6	72.5°
75°	31.8	32.0	32.5	33.0	32.5	32.3	32.5	35.5	39.5	50.2	68.3	75°
77.5°	28.6	29.2	29.2	29.0	28.3	27.9	27.9	29.2	32.5	38.1	48.8	77.5°
80°	23.7	24.9	25.1	24.4	23.7	23.7	24.1	25.1	27.2	31.4	36.9	80°
82.5°	19.1	20.2	20.4	20.6	20.4	21.1	21.1	21.3	22.5	25.8	30.2	82.5°
85°	14.6	15.5	16.3	16.5	16.7	17.0	16.7	15.5	16.3	18.3	20.4	85°
87.5°	6.5	6.7	6.3	6.5	6.3	6.5	6.7	5.6	5.4	7.2	7.5	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°
243.6	243.6	243.6	243.6	243.6	243.6	243.6
241.0	241.0	241.3	240.8	240.8	241.0	240.4
237.3	238.2	238.2	238.2	237.8	238.2	238.5
238.2	239.0	239.5	239.5	239.2	240.1	240.8
239.5	240.6	241.0	241.0	241.0	242.3	243.8
243.8	244.8	245.5	245.5	245.9	247.4	249.2
252.0	253.2	253.2	253.0	254.3	256.0	258.0
261.0	264.2	265.9	265.7	266.8	268.9	271.3
269.6	278.7	282.6	285.4	286.6	289.3	290.1
276.8	291.9	302.8	312.1	316.6	319.4	322.6
274.3	294.7	314.2	333.3	346.7	360.4	366.2
263.8	289.3	314.9	342.8	367.2	391.6	409.2
251.1	281.8	316.1	355.5	394.1	431.5	461.2
236.5	274.5	318.7	367.5	418.0	467.0	510.1
218.0	260.8	312.3	368.6	428.3	487.7	543.4
194.8	242.3	297.7	360.2	428.7	496.8	563.4
171.6	218.8	279.2	348.2	422.7	498.9	576.0
155.3	197.8	260.3	332.8	413.0	495.6	582.0
144.2	182.8	243.6	318.9	402.5	489.8	582.9
143.3	176.3	232.7	308.7	394.1	484.7	582.9
151.2	179.8	229.0	303.5	390.7	483.1	583.4
166.0	193.7	235.8	307.5	393.5	485.2	585.5
183.9	214.8	253.9	321.2	405.3	492.1	590.2
200.2	239.2	284.8	347.7	426.8	509.7	603.1
209.7	260.1	317.5	384.9	463.8	544.9	629.1
210.9	271.7	346.5	425.3	508.6	585.0	670.7
209.9	272.6	350.3	433.0	518.1	595.0	685.1
204.9	272.8	360.7	459.9	551.1	637.1	725.3
191.8	265.5	364.4	480.9	592.6	692.3	800.3
169.3	244.4	353.5	481.5	608.7	723.2	847.7
136.1	204.1	306.3	438.0	566.4	692.7	835.3
99.6	150.1	231.5	339.3	462.2	576.7	715.5
66.2	97.1	156.1	241.8	331.4	415.0	515.1
45.5	60.1	91.3	145.4	202.8	243.4	328.2
33.5	39.7	50.7	74.3	97.5	120.1	171.4
20.9	22.8	25.3	36.7	52.5	70.9	106.8
5.6	5.8	5.4	7.2	11.4	10.9	12.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)