

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: P159113

Luminaire Tested: **VST-F05-LED-E-U-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159113
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-F05-LED-E-U-SLR-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (35) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9361.6 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 133.3
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

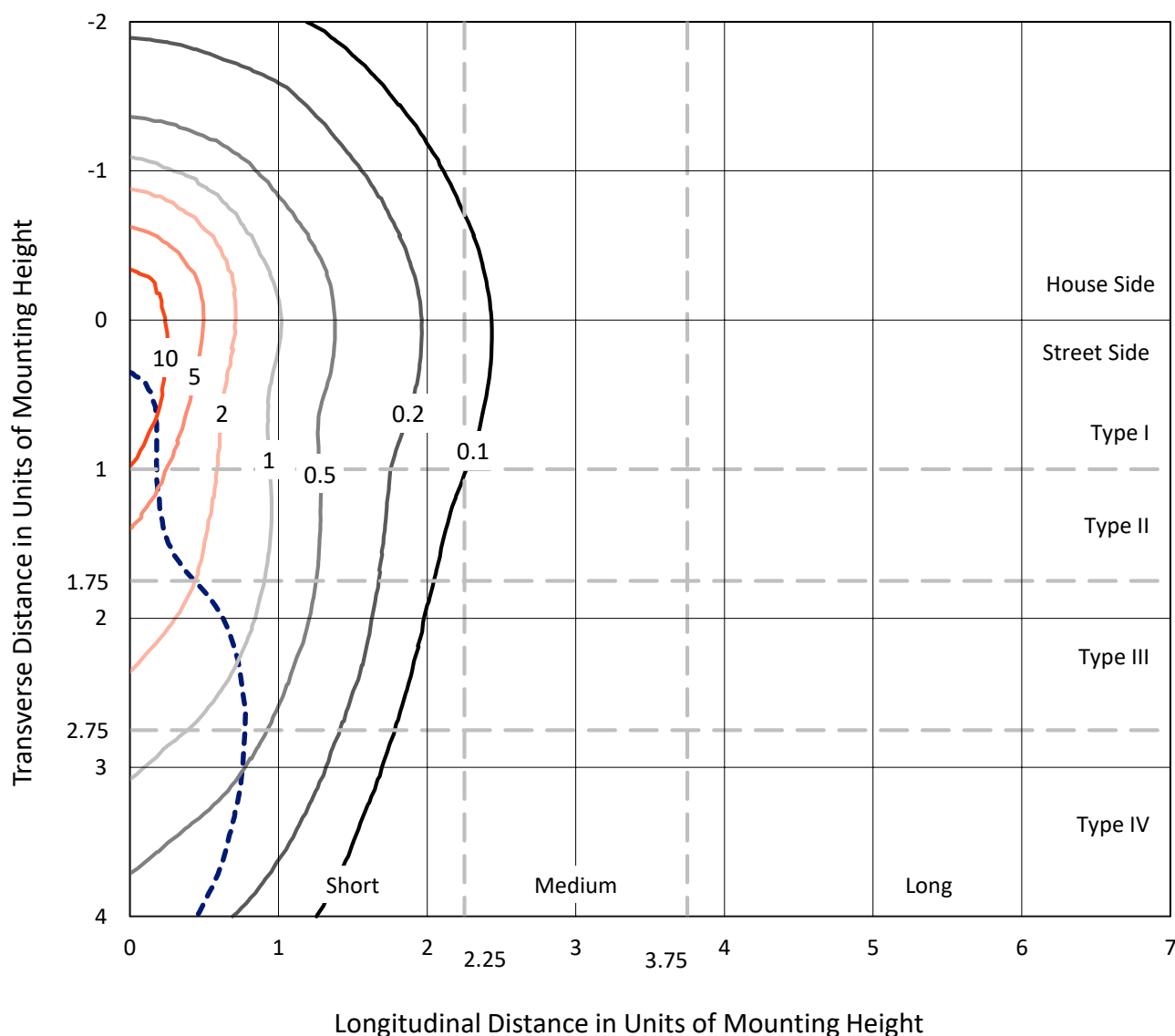


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

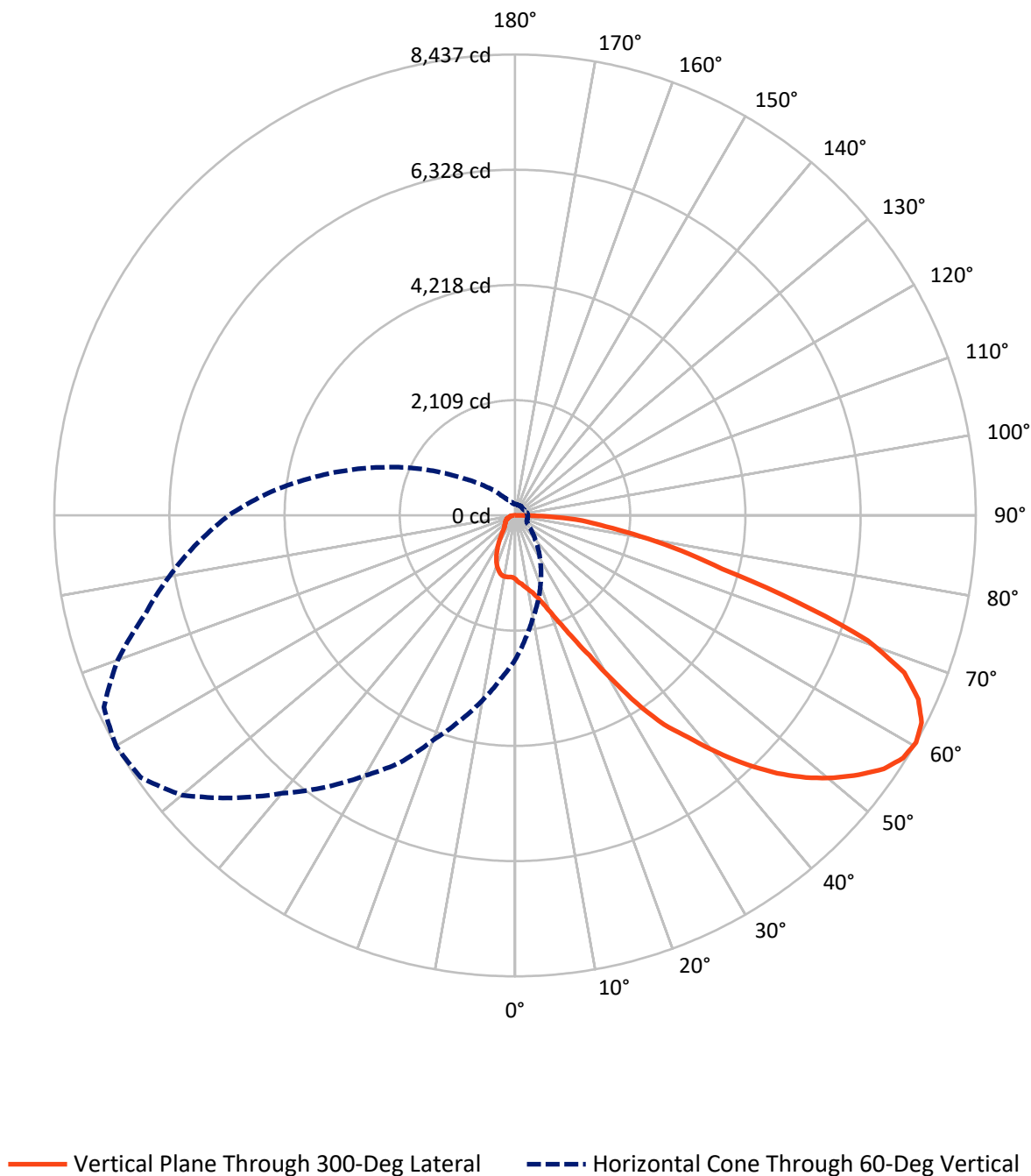


Based on 10 foot mounting height. Maximum calculated value = 17.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2107.9	0.0	2107.9
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	7253.7	0.0	7253.7
	% Fixture	77.5	0.0	77.5
Total	Lumens	9361.6	0.0	9361.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	1.2
10°-20°	370.9	4.0
20°-30°	703.7	7.5
30°-40°	1108.3	11.8
40°-50°	1546.9	16.5
50°-60°	1913.1	20.4
60°-70°	1983.1	21.2
70°-80°	1247.8	13.3
80°-90°	373.0	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°	9361.6	100.0
0°-180°	9361.6	100.0

Coefficient of Utilization



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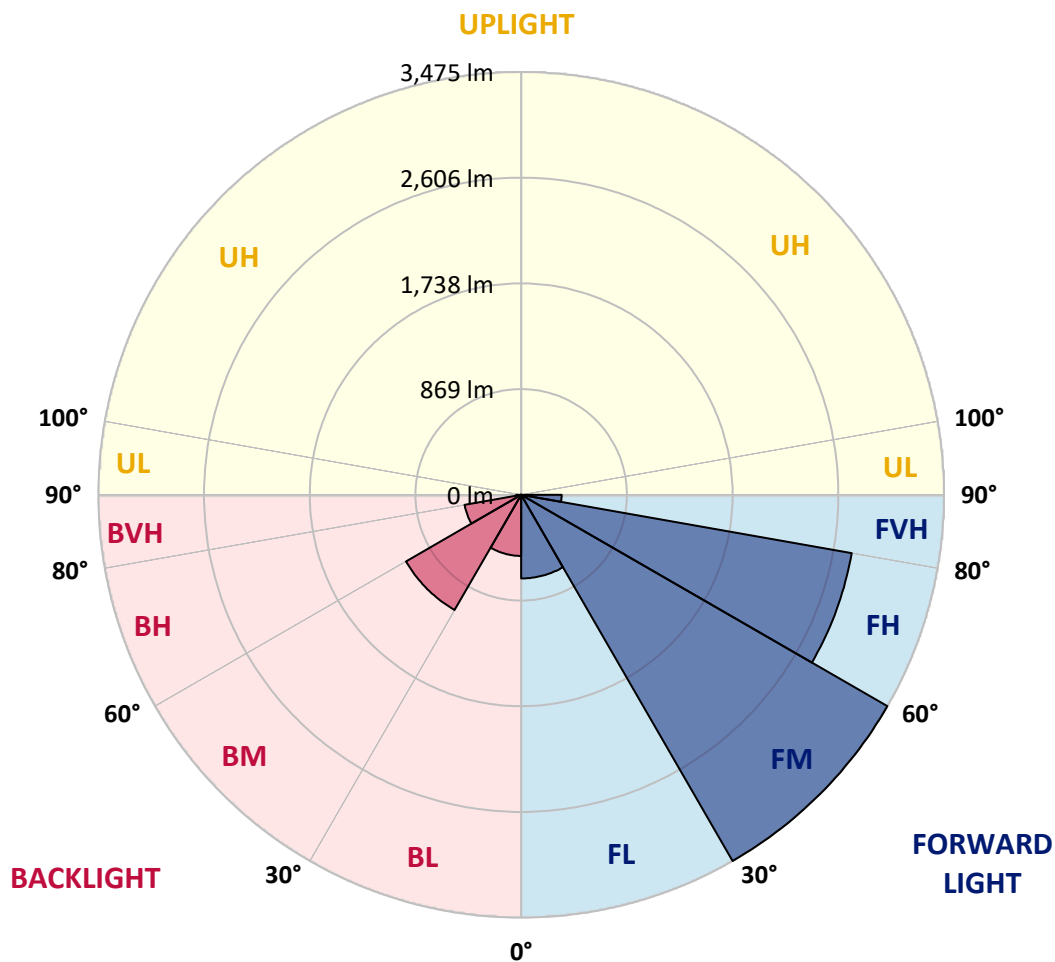
CATALOG NUMBER: VST-F05-LED-E-U-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	687.3	7.3			
FM	(30°-60°)	3475.2	37.1			
FH	(60°-80°)	2758.8	29.5			G2/5000
FVH	(80°-90°)	332.4	3.6			G3/500
BL	(0°-30°)	502.2	5.4	B2/1000		
BM	(30°-60°)	1093.1	11.7	B2/2500		
BH	(60°-80°)	472.1	5.0	B1/500		G1/500
BVH	(80°-90°)	40.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5°	1233.2	1159.4	1160.8	1158.7	1158.7	1157.3	1158.7	1157.3	1155.9	1155.9	1156.6
5°	1249.2	1167.7	1167.7	1165.6	1164.2	1162.9	1164.2	1162.9	1162.2	1160.8	1161.5
7.5°	1264.6	1172.6	1169.8	1167.0	1163.5	1164.9	1164.9	1164.2	1164.9	1164.2	1165.6
10°	1289.7	1188.6	1181.7	1175.4	1174.7	1173.3	1173.3	1171.2	1171.2	1169.8	1170.5
12.5°	1353.8	1238.1	1230.4	1219.3	1217.2	1210.9	1207.4	1203.3	1196.3	1190.0	1185.1
15°	1461.8	1320.3	1305.7	1295.9	1291.7	1279.2	1259.7	1244.4	1224.2	1206.7	1188.6
17.5°	1594.1	1430.4	1413.0	1400.4	1379.5	1345.4	1312.6	1275.0	1236.0	1200.5	1167.7
20°	1779.5	1588.6	1554.4	1524.5	1472.2	1413.7	1352.4	1286.9	1227.0	1171.2	1123.1
22.5°	2030.3	1792.7	1729.3	1649.2	1552.3	1453.4	1355.8	1265.3	1185.1	1112.7	1048.6
25°	2318.7	1987.8	1873.5	1735.6	1587.2	1450.6	1322.4	1206.0	1112.7	1019.3	949.7
27.5°	2531.2	2150.8	1982.2	1801.1	1611.5	1437.4	1279.9	1139.2	1026.3	930.8	846.5
30°	2652.5	2244.2	2041.4	1828.9	1615.7	1415.1	1226.3	1063.2	932.9	819.4	738.5
32.5°	2730.5	2294.4	2047.7	1801.1	1565.6	1348.9	1144.7	975.4	834.0	712.8	627.1
35°	2796.0	2314.6	2018.4	1739.1	1470.8	1248.6	1040.2	870.9	721.1	609.6	521.9
37.5°	2822.5	2311.1	1971.8	1656.1	1378.1	1139.2	933.6	760.1	626.4	528.1	452.9
40°	2817.6	2279.0	1908.4	1567.7	1269.5	1024.9	820.8	668.2	559.5	476.6	421.5
42.5°	2784.9	2236.5	1838.0	1477.8	1169.8	930.1	744.1	608.9	521.2	458.5	410.4
45°	2743.7	2185.7	1773.9	1395.6	1091.1	862.6	699.5	592.2	516.3	456.4	404.8
47.5°	2688.0	2129.2	1709.1	1337.0	1049.3	842.4	698.8	602.0	520.5	451.5	395.0
50°	2627.4	2088.1	1673.6	1312.0	1044.4	854.9	723.2	617.3	523.2	446.6	381.8
52.5°	2584.9	2070.0	1672.9	1321.0	1070.2	889.7	751.8	636.8	533.7	449.4	379.0
55°	2532.6	2067.2	1691.0	1360.0	1126.6	949.0	797.1	670.3	555.3	459.8	381.1
57.5°	2536.1	2122.3	1761.3	1456.2	1228.3	1029.1	854.9	711.4	576.2	466.1	377.6
60°	2646.2	2250.5	1900.0	1620.6	1361.4	1123.1	914.1	733.7	574.8	452.2	360.9
62.5°	2873.3	2442.8	2107.6	1813.6	1496.6	1195.6	935.7	727.4	553.9	422.2	333.7
65°	3144.4	2667.8	2309.7	1963.4	1578.8	1212.3	916.9	692.6	512.1	383.2	301.0
67.5°	3415.4	2827.4	2426.0	2005.9	1545.4	1144.7	847.2	614.5	441.0	330.3	264.1
70°	3512.9	2860.1	2417.0	1910.4	1393.5	976.8	697.4	494.7	353.9	270.3	222.3
72.5°	3366.6	2655.3	2148.7	1623.4	1132.9	757.4	511.4	365.1	270.3	211.8	181.2
75°	2823.9	2138.3	1698.6	1222.8	818.0	535.8	369.3	266.2	203.4	167.9	144.9
77.5°	2012.9	1488.9	1157.3	803.3	530.9	371.4	264.8	200.0	161.6	134.5	117.7
80°	1264.6	914.1	705.1	482.1	330.9	252.2	190.2	158.2	130.3	109.4	98.2
82.5°	761.5	532.3	415.3	299.6	217.4	172.8	140.0	124.0	103.8	90.6	84.3
85°	517.0	391.6	272.4	177.0	131.0	101.7	95.5	85.7	77.3	64.8	62.7
87.5°	98.9	140.0	121.9	72.5	48.1	41.1	36.2	34.8	31.4	25.1	28.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5°	1152.4	1151.0	1148.2	1148.2	1146.1	1141.9	1141.3	1138.5	1135.0	1135.7	1135.0
5°	1156.6	1153.8	1150.3	1148.9	1146.1	1141.9	1139.9	1136.4	1132.9	1132.9	1132.9
7.5°	1161.5	1158.0	1155.2	1150.3	1144.7	1140.6	1135.0	1130.8	1128.7	1128.0	1128.7
10°	1165.6	1163.5	1159.4	1152.4	1144.7	1136.4	1130.8	1125.2	1119.7	1120.4	1121.0
12.5°	1174.7	1167.7	1156.6	1146.1	1134.3	1123.8	1114.1	1107.1	1100.1	1100.1	1100.8
15°	1168.4	1148.2	1132.9	1112.7	1099.4	1082.7	1071.6	1065.3	1061.1	1059.7	1060.4
17.5°	1131.5	1107.1	1084.1	1066.0	1047.9	1034.7	1029.8	1025.6	1020.0	1022.8	1020.0
20°	1075.8	1045.8	1013.1	991.5	969.9	960.8	952.4	948.3	944.8	957.3	957.3
22.5°	995.6	959.4	926.0	899.5	875.1	865.3	857.0	852.1	854.2	869.5	870.9
25°	894.6	850.7	806.8	790.8	766.4	758.7	753.9	753.2	755.3	770.6	774.1
27.5°	787.3	741.3	703.7	666.8	655.6	649.4	640.3	650.8	652.8	669.6	676.5
30°	673.0	623.6	583.9	559.5	535.8	539.3	531.6	544.2	549.7	567.1	572.7
32.5°	556.0	509.3	469.6	445.2	428.5	430.6	425.0	436.2	441.7	462.6	473.1
35°	459.8	420.1	388.1	367.2	359.5	351.9	350.5	351.9	357.4	373.5	392.3
37.5°	404.8	372.1	349.1	333.7	323.3	318.4	315.6	315.6	315.6	319.1	328.2
40°	381.1	351.9	331.6	317.0	310.0	307.3	305.2	303.1	299.6	298.2	298.9
42.5°	370.7	337.2	315.6	304.5	300.3	300.3	300.3	298.9	295.4	291.9	288.4
45°	360.2	324.0	302.4	294.7	292.6	293.3	293.3	293.3	290.5	286.4	280.1
47.5°	347.0	309.4	287.8	282.9	282.9	285.0	285.7	285.7	282.9	278.7	273.8
50°	330.9	290.5	271.0	266.8	264.8	264.8	264.8	264.8	262.7	259.9	256.4
52.5°	322.6	280.1	259.9	255.7	255.7	253.6	252.9	250.8	248.7	246.6	241.8
55°	319.8	275.9	255.0	251.5	251.5	249.4	247.3	245.3	241.8	238.3	233.4
57.5°	312.1	266.8	248.7	245.9	245.9	244.6	242.5	240.4	236.9	232.0	225.7
60°	294.7	251.5	236.2	235.5	235.5	234.8	233.4	233.4	229.9	225.0	217.4
62.5°	272.4	235.5	220.9	220.9	220.2	219.5	216.7	216.0	211.8	205.5	198.6
65°	250.8	221.6	211.8	209.0	207.6	205.5	204.1	200.7	197.2	191.6	184.6
67.5°	223.7	200.7	194.4	191.6	188.8	186.7	184.6	182.5	178.4	174.2	168.6
70°	194.4	177.7	174.2	173.5	170.0	167.9	167.2	165.1	160.9	156.8	149.8
72.5°	166.5	156.8	154.0	154.0	149.8	147.0	145.6	144.9	142.1	138.7	132.4
75°	134.5	127.5	126.8	130.3	130.3	128.2	126.8	128.2	124.0	121.9	115.7
77.5°	110.1	106.6	104.5	105.9	110.1	108.0	105.2	105.2	105.2	101.7	99.6
80°	93.4	90.6	88.5	89.9	89.2	88.5	87.1	84.3	84.3	84.3	83.6
82.5°	84.3	83.6	75.9	75.9	73.2	71.1	69.7	68.3	66.9	66.9	70.4
85°	63.4	65.5	61.3	60.6	57.1	54.3	51.6	50.2	48.8	50.9	57.8
87.5°	30.7	30.7	29.3	32.7	30.0	28.6	26.5	25.1	26.5	32.7	39.0
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°	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5°	1133.6	1132.9	1132.2	1130.8	1128.0	1127.3	1125.9	1125.9	1125.2	1123.8	1125.2
5°	1131.5	1132.9	1132.9	1132.2	1130.1	1131.5	1131.5	1133.6	1133.6	1135.0	1138.5
7.5°	1128.7	1132.2	1135.0	1137.1	1139.9	1141.9	1146.1	1152.4	1155.2	1160.1	1162.2
10°	1123.1	1129.4	1134.3	1140.6	1147.5	1155.2	1161.5	1171.2	1174.7	1181.7	1185.1
12.5°	1107.1	1117.6	1125.9	1138.5	1150.3	1162.2	1173.3	1185.8	1192.1	1199.8	1204.7
15°	1068.1	1079.9	1091.8	1102.9	1123.8	1146.8	1164.9	1181.7	1190.7	1200.5	1205.4
17.5°	1021.4	1029.1	1038.8	1053.5	1073.7	1093.9	1123.1	1146.8	1160.8	1171.9	1173.3
20°	967.1	978.2	985.2	990.8	1006.8	1020.7	1052.1	1079.2	1097.4	1110.6	1114.1
22.5°	884.2	896.0	907.8	912.0	924.6	942.7	960.1	989.4	1015.1	1034.7	1046.5
25°	789.4	800.5	816.6	829.1	831.9	846.5	864.0	897.4	923.9	955.2	969.2
27.5°	694.6	704.4	721.8	728.8	737.1	751.8	765.7	793.6	821.5	857.7	873.0
30°	583.9	604.8	625.0	638.2	645.2	662.6	672.3	699.5	725.3	751.8	774.1
32.5°	489.1	507.9	530.9	547.6	556.0	569.2	584.6	607.6	627.8	653.5	679.3
35°	402.0	427.8	443.1	457.8	479.4	485.6	501.0	521.9	533.7	561.6	590.8
37.5°	340.7	356.0	371.4	386.0	404.1	412.5	427.1	444.5	458.5	475.2	501.6
40°	303.1	311.4	322.6	332.3	345.6	356.0	363.7	378.3	388.8	405.5	424.3
42.5°	285.7	287.8	289.1	296.1	303.1	310.0	318.4	324.7	337.2	349.8	361.6
45°	275.9	271.7	269.6	270.3	273.1	277.3	284.3	291.2	299.6	307.3	314.2
47.5°	267.5	262.0	255.7	252.2	252.9	254.3	259.9	265.5	269.6	275.9	278.7
50°	248.0	243.2	237.6	232.7	233.4	234.1	239.0	243.2	245.9	248.0	251.5
52.5°	235.5	228.5	223.7	218.8	218.1	220.2	224.3	228.5	229.9	231.3	232.0
55°	226.4	219.5	213.2	208.3	206.2	211.1	212.5	218.1	220.2	220.2	220.9
57.5°	219.5	211.1	204.8	200.0	196.5	200.0	203.4	209.7	210.4	209.0	209.0
60°	209.0	202.8	196.5	191.6	188.1	190.9	193.7	200.7	200.7	197.2	196.5
62.5°	190.9	187.4	183.2	181.2	180.5	183.2	185.3	190.9	188.8	184.6	183.2
65°	177.7	174.9	170.7	169.3	168.6	172.8	173.5	177.0	174.2	172.1	171.4
67.5°	161.6	159.6	157.5	156.8	154.7	154.7	156.1	158.2	156.8	156.8	157.5
70°	143.5	140.7	138.7	139.3	138.0	138.0	138.7	140.0	139.3	140.7	142.1
72.5°	126.8	123.3	122.6	122.6	121.2	121.9	121.9	122.6	124.0	124.7	128.2
75°	110.8	107.3	107.3	106.6	106.6	106.6	107.3	108.7	110.1	110.8	112.2
77.5°	96.1	94.1	94.8	94.1	94.1	94.1	94.1	96.1	96.8	97.5	99.6
80°	82.9	82.9	83.6	83.6	82.9	82.2	82.9	84.3	85.0	85.7	86.4
82.5°	75.2	75.9	75.9	75.9	72.5	71.1	73.2	74.6	75.9	76.6	78.0
85°	64.8	62.0	64.8	64.1	59.2	58.5	58.5	59.2	60.6	59.2	59.2
87.5°	41.8	37.6	39.7	39.7	34.8	28.6	36.2	39.0	34.8	36.9	36.9
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°	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5°	1127.3	1125.9	1126.6	1126.6	1128.0	1125.9	1128.7	1131.5	1132.2	1132.2	1132.9
5°	1141.9	1140.6	1145.4	1143.3	1148.2	1147.5	1151.0	1153.8	1155.2	1155.2	1155.2
7.5°	1164.9	1169.8	1172.6	1180.3	1181.0	1185.1	1188.6	1192.1	1190.7	1191.4	1190.7
10°	1190.7	1197.0	1204.0	1211.6	1212.3	1217.2	1222.8	1226.3	1224.9	1224.2	1222.1
12.5°	1213.0	1217.2	1225.6	1233.2	1237.4	1245.1	1250.6	1253.4	1253.4	1251.3	1249.2
15°	1211.6	1217.9	1227.0	1238.1	1245.8	1256.9	1266.7	1272.9	1273.6	1271.5	1270.8
17.5°	1181.0	1190.0	1198.4	1213.7	1227.6	1243.0	1259.0	1268.1	1276.4	1281.3	1284.1
20°	1125.9	1137.1	1148.9	1169.1	1187.9	1208.1	1227.0	1240.2	1252.7	1267.4	1284.8
22.5°	1061.1	1077.8	1094.6	1120.4	1143.3	1166.3	1187.9	1204.0	1223.5	1248.6	1281.3
25°	985.2	1002.6	1023.5	1053.5	1082.7	1116.2	1148.2	1180.3	1217.9	1261.1	1312.0
27.5°	895.3	914.8	942.0	978.2	1011.7	1045.8	1096.0	1146.8	1208.1	1263.9	1321.7
30°	806.1	831.2	860.5	896.7	930.1	978.9	1029.1	1091.8	1156.6	1219.3	1288.3
32.5°	710.0	741.3	777.6	807.5	845.1	894.6	944.8	1011.7	1080.6	1154.5	1230.4
35°	617.3	647.3	675.8	709.3	746.9	793.6	842.4	906.5	993.5	1072.3	1162.9
37.5°	523.2	551.1	571.3	597.8	630.5	682.1	734.4	808.2	890.4	987.3	1077.8
40°	441.0	464.0	487.0	507.9	535.8	584.6	640.3	712.8	793.6	887.6	988.7
42.5°	375.5	393.0	418.0	443.1	466.8	508.6	560.9	631.9	712.1	808.2	909.2
45°	320.5	332.3	352.5	373.5	402.7	437.5	487.7	560.2	641.7	738.5	845.1
47.5°	280.8	286.4	300.3	321.9	349.1	383.2	426.4	491.9	571.3	668.9	781.0
50°	253.6	259.9	266.8	285.0	309.4	344.2	379.7	436.9	509.3	604.8	716.2
52.5°	234.8	237.6	240.4	251.5	273.8	303.1	340.7	383.9	457.1	548.3	648.7
55°	223.7	224.3	226.4	232.0	248.7	275.9	308.7	349.8	406.9	493.3	595.7
57.5°	210.4	211.8	213.9	217.4	227.8	252.2	280.1	313.5	360.9	433.4	531.6
60°	197.9	201.4	204.8	206.9	212.5	227.1	250.8	277.3	315.6	370.0	448.0
62.5°	184.6	188.8	191.6	193.7	195.8	204.8	222.3	239.7	263.4	298.9	357.4
65°	172.8	175.6	177.7	179.1	180.5	183.2	190.9	197.9	204.8	226.4	268.9
67.5°	159.6	160.9	161.6	162.3	161.6	161.6	162.3	165.1	167.9	176.3	196.5
70°	144.2	146.3	146.3	147.0	147.0	144.9	144.9	144.9	144.9	147.0	158.2
72.5°	129.6	132.4	132.4	133.1	132.4	131.7	131.7	131.7	133.8	135.2	139.3
75°	115.7	118.4	117.7	118.4	119.1	119.1	120.5	121.2	123.3	124.0	126.8
77.5°	101.7	103.8	104.5	103.8	105.2	106.6	109.4	110.8	111.5	112.2	112.9
80°	88.5	89.9	89.2	87.1	90.6	92.7	96.8	101.7	100.3	101.0	102.4
82.5°	73.2	71.1	69.7	71.1	73.2	75.9	80.1	86.4	87.1	90.6	89.9
85°	56.4	50.2	49.5	53.0	52.3	55.7	62.7	67.6	71.8	75.2	71.8
87.5°	33.4	30.0	25.1	23.7	25.8	34.1	35.5	43.2	46.7	48.1	43.2
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°	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5°	1196.3	1199.8	1199.8	1201.2	1203.3	1204.0	1206.7	1211.6	1212.3	1212.3	1214.4
5°	1218.6	1222.1	1222.1	1224.9	1225.6	1229.0	1232.5	1238.1	1240.9	1240.2	1249.2
7.5°	1254.8	1252.0	1249.9	1254.1	1256.2	1260.4	1267.4	1272.2	1277.1	1284.8	1297.3
10°	1285.5	1281.3	1279.2	1282.0	1283.4	1288.3	1292.4	1299.4	1311.3	1323.1	1338.4
12.5°	1310.6	1305.7	1300.1	1301.5	1303.6	1309.9	1316.8	1325.9	1343.3	1358.6	1381.6
15°	1331.5	1324.5	1318.9	1321.7	1326.6	1334.9	1346.8	1362.8	1391.4	1417.9	1448.5
17.5°	1351.7	1350.3	1348.2	1357.2	1360.7	1380.2	1397.7	1426.9	1465.9	1505.6	1549.5
20°	1371.2	1386.5	1394.2	1412.3	1423.4	1449.9	1476.4	1511.9	1561.4	1615.7	1675.6
22.5°	1398.3	1440.2	1465.9	1502.9	1521.7	1550.2	1589.3	1635.9	1691.0	1760.7	1837.3
25°	1463.1	1524.5	1576.0	1633.8	1681.2	1725.1	1771.8	1828.2	1907.7	1971.1	2071.4
27.5°	1491.7	1578.1	1655.4	1737.0	1808.0	1875.6	1949.5	2017.7	2111.8	2197.5	2318.7
30°	1464.5	1562.1	1662.4	1769.0	1872.8	1975.2	2082.5	2187.1	2295.7	2415.6	2544.5
32.5°	1414.4	1523.8	1636.6	1762.0	1890.9	2024.0	2163.4	2315.3	2468.5	2617.6	2749.3
35°	1363.5	1481.3	1606.7	1750.2	1902.1	2067.2	2240.0	2432.3	2635.1	2823.9	2996.0
37.5°	1289.7	1419.3	1562.8	1728.6	1909.1	2112.5	2334.8	2571.7	2828.0	3087.9	3313.7
40°	1200.5	1337.7	1494.5	1685.4	1902.1	2159.2	2448.3	2752.1	3081.7	3398.7	3676.0
42.5°	1119.0	1252.7	1419.9	1627.6	1884.0	2200.3	2556.3	2934.7	3324.8	3679.5	4041.8
45°	1047.2	1194.9	1362.8	1587.2	1874.9	2235.1	2636.4	3071.2	3517.8	3940.0	4367.8
47.5°	981.7	1135.0	1323.1	1564.9	1870.7	2256.0	2692.2	3160.4	3655.1	4140.0	4636.8
50°	914.1	1063.2	1264.6	1540.5	1860.3	2255.3	2721.4	3221.0	3751.2	4295.4	4822.1
52.5°	841.7	991.5	1193.5	1495.9	1838.0	2242.8	2729.1	3262.1	3827.2	4390.8	4979.6
55°	775.5	915.5	1117.6	1421.3	1791.3	2212.1	2711.7	3279.5	3880.8	4485.6	5090.3
57.5°	699.5	845.1	1037.4	1318.9	1703.5	2157.8	2662.2	3255.1	3896.1	4549.0	5178.1
60°	595.0	737.8	935.7	1197.7	1566.3	2042.8	2570.3	3181.3	3847.4	4560.1	5240.8
62.5°	475.2	598.5	789.4	1030.5	1373.3	1862.4	2400.3	3015.5	3695.5	4455.6	5208.8
65°	353.2	435.5	599.9	811.7	1149.6	1590.6	2126.4	2737.5	3398.7	4165.1	5007.4
67.5°	245.9	305.2	406.2	563.7	836.1	1228.3	1735.6	2303.4	2939.5	3627.2	4589.4
70°	186.0	213.2	268.2	356.0	541.4	836.8	1261.8	1767.6	2357.8	3020.3	3926.8
72.5°	158.9	172.8	203.4	243.9	331.6	508.6	792.2	1216.5	1739.7	2279.0	3012.7
75°	142.8	154.7	174.2	200.0	234.8	308.7	464.7	769.9	1152.4	1526.5	2102.1
77.5°	129.6	140.0	157.5	170.7	189.5	222.3	296.1	460.5	690.5	943.4	1304.3
80°	115.7	121.9	138.0	151.2	165.8	184.6	212.5	289.1	396.4	558.8	769.2
82.5°	98.9	103.8	115.7	133.8	144.9	152.6	160.9	191.6	237.6	303.1	427.1
85°	76.6	80.1	90.6	103.8	108.7	109.4	110.8	119.1	147.7	227.1	367.9
87.5°	39.0	43.2	54.3	58.5	49.5	53.6	54.3	57.8	76.6	124.7	126.8
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	0°
2.5°	1214.4	1216.5	1221.4	1220.7	1224.2	1224.2	1224.2	1227.6	1225.6	1227.6	1231.1	2.5°
5°	1249.2	1252.7	1259.7	1259.7	1260.4	1258.3	1262.5	1265.3	1261.8	1260.4	1261.1	5°
7.5°	1300.1	1305.7	1311.3	1316.8	1321.0	1318.9	1319.6	1313.3	1312.0	1307.1	1300.8	7.5°
10°	1349.6	1364.9	1375.4	1385.1	1385.8	1383.7	1384.4	1374.0	1371.9	1362.1	1355.8	10°
12.5°	1400.4	1419.9	1436.7	1447.1	1453.4	1454.8	1455.5	1455.5	1445.7	1437.4	1422.7	12.5°
15°	1475.7	1509.8	1535.6	1546.8	1555.8	1564.2	1566.3	1569.0	1561.4	1550.2	1548.1	15°
17.5°	1594.8	1626.9	1661.0	1691.0	1711.2	1712.6	1730.0	1728.6	1744.6	1732.1	1728.6	17.5°
20°	1736.3	1805.9	1841.5	1881.2	1904.2	1915.3	1955.7	1943.2	1955.0	1975.2	1955.0	20°
22.5°	1913.2	2001.7	2053.3	2107.6	2145.2	2172.4	2201.7	2224.7	2256.7	2272.1	2258.1	22.5°
25°	2148.0	2249.1	2310.4	2385.6	2445.5	2494.3	2545.2	2606.5	2605.8	2642.7	2668.5	25°
27.5°	2417.7	2546.6	2635.8	2768.1	2819.7	2901.9	2989.0	3083.8	3100.5	3148.5	3172.9	27.5°
30°	2671.3	2830.8	3007.8	3165.3	3343.6	3465.6	3566.6	3633.5	3734.5	3709.4	3695.5	30°
32.5°	2905.4	3117.9	3370.1	3628.6	3911.5	4104.5	4282.8	4365.7	4428.5	4295.4	4119.1	32.5°
35°	3209.2	3463.5	3751.9	4071.0	4430.5	4704.4	4888.3	4914.1	4878.5	4707.8	4415.9	35°
37.5°	3585.4	3852.3	4180.4	4517.6	4899.4	5156.5	5366.3	5403.9	5309.8	5005.3	4698.8	37.5°
40°	3956.8	4269.6	4625.6	5024.9	5420.6	5703.5	5913.9	5925.0	5771.8	5415.7	5056.9	40°
42.5°	4363.0	4705.1	5101.5	5543.9	5952.9	6239.3	6391.2	6439.2	6222.5	5766.2	5422.0	42.5°
45°	4713.4	5122.4	5564.1	6034.4	6462.2	6733.9	6888.6	6873.3	6611.3	6160.5	5757.1	45°
47.5°	5054.8	5504.9	5970.3	6469.9	6894.9	7169.4	7328.3	7314.3	6982.0	6462.9	6019.1	47.5°
50°	5358.6	5847.0	6344.5	6878.2	7301.8	7553.3	7747.7	7686.4	7266.3	6706.1	6187.7	50°
52.5°	5569.7	6114.6	6634.3	7211.2	7647.4	7885.7	8133.0	7935.8	7434.2	6855.2	6278.3	52.5°
55°	5703.5	6298.5	6840.5	7478.8	7907.3	8192.2	8351.8	8071.7	7499.0	6896.3	6309.6	55°
57.5°	5794.1	6399.5	6961.8	7633.4	8141.4	8380.3	8419.4	8076.6	7457.2	6831.5	6278.3	57.5°
60°	5838.6	6429.5	7016.8	7742.1	8305.8	8436.8	8365.7	7963.7	7312.9	6641.3	6076.2	60°
62.5°	5833.8	6391.9	6988.3	7778.4	8338.5	8355.3	8193.6	7771.4	7047.5	6242.1	5740.4	62.5°
65°	5709.7	6254.6	6827.3	7643.9	8185.9	8114.2	7910.7	7410.5	6531.2	5720.9	5467.3	65°
67.5°	5352.3	5874.9	6406.5	7203.5	7756.1	7686.4	7378.4	6701.2	5931.3	5259.7	5123.1	67.5°
70°	4754.5	5197.6	5664.5	6364.7	6944.4	6850.3	6311.7	5900.0	5337.0	4726.7	4679.3	70°
72.5°	3974.9	4310.7	4649.3	5170.5	5569.7	5377.4	5038.8	5017.2	4562.2	4096.1	4105.9	72.5°
75°	3108.8	3361.1	3519.2	3825.8	4091.2	3919.1	3939.3	4059.2	3909.4	3542.2	3423.1	75°
77.5°	2252.5	2494.3	2544.5	2726.3	2913.1	3108.8	3368.0	3650.2	3697.6	3491.3	3059.4	77.5°
80°	1474.3	1740.4	1641.5	1706.3	1969.0	2326.4	2799.5	3264.2	3423.8	3238.4	2706.8	80°
82.5°	869.5	1242.3	1084.8	1195.6	1362.1	1673.6	2000.3	2350.8	2617.6	2420.5	2260.9	82.5°
85°	660.5	979.6	1037.4	1171.9	1226.3	1239.5	1296.6	1410.9	1548.8	1600.4	1596.2	85°
87.5°	344.2	761.5	854.9	790.8	737.8	639.6	498.9	537.2	491.2	671.7	636.1	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°
1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
1231.8	1229.7	1231.1	1231.8	1231.8	1231.8	1233.2
1260.4	1254.8	1252.7	1252.7	1252.0	1249.9	1249.2
1291.1	1281.3	1277.8	1273.6	1270.1	1268.1	1264.6
1346.1	1337.7	1320.3	1310.6	1301.5	1295.2	1289.7
1419.9	1408.1	1391.4	1378.8	1364.9	1360.7	1353.8
1534.2	1523.8	1509.1	1495.2	1486.8	1472.2	1461.8
1712.6	1691.7	1677.0	1658.9	1638.7	1608.8	1594.1
1947.4	1905.6	1876.3	1860.3	1819.9	1815.0	1779.5
2217.0	2204.5	2159.9	2140.4	2101.4	2086.0	2030.3
2620.4	2610.7	2519.4	2509.6	2449.7	2405.1	2318.7
3150.6	3070.5	2967.4	2895.6	2793.2	2678.3	2531.2
3614.0	3450.2	3292.8	3125.6	2984.1	2819.0	2652.5
3909.4	3689.9	3487.2	3315.8	3140.9	2944.4	2730.5
4168.6	3947.0	3726.1	3523.4	3311.6	3060.1	2796.0
4478.6	4258.4	4009.7	3724.7	3453.0	3145.1	2822.5
4796.3	4538.5	4227.8	3878.7	3537.3	3186.9	2817.6
5121.7	4792.1	4379.0	3981.1	3591.0	3193.1	2784.9
5385.8	4969.1	4491.2	4033.4	3602.1	3171.5	2743.7
5572.5	5082.7	4541.3	4051.5	3588.2	3137.4	2688.0
5679.1	5144.7	4553.9	4038.3	3559.6	3088.6	2627.4
5718.1	5163.5	4541.3	4011.1	3533.8	3036.4	2584.9
5713.9	5153.1	4495.3	3947.7	3464.9	2966.7	2532.6
5635.2	5056.2	4401.3	3871.8	3406.3	2934.7	2536.1
5501.4	4994.9	4373.4	3887.1	3437.0	3003.6	2646.2
5440.8	5117.5	4530.2	4040.4	3594.5	3200.8	2873.3
5406.7	5316.8	4754.5	4205.5	3781.2	3439.8	3144.4
5267.3	5373.9	4882.0	4299.6	3947.7	3679.5	3415.4
5042.3	5240.8	4785.2	4281.4	4039.7	3863.4	3512.9
4572.7	4782.4	4353.9	4014.6	3924.7	3866.2	3366.6
3704.5	3813.2	3569.4	3492.7	3526.2	3526.9	2823.9
2731.9	2666.4	2556.3	2561.9	2786.9	2752.1	2012.9
2230.3	1825.4	1669.4	1728.6	2006.6	1856.8	1264.6
2075.6	1628.3	1344.0	1357.9	1515.4	1196.3	761.5
1678.4	1484.0	1190.0	1068.1	1036.7	797.1	517.0
702.3	645.9	480.7	433.4	355.3	217.4	98.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)