

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: P181146

Luminaire Tested: **ICS-E04-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181146
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: ICS-E04-LED-E1-SLR-8030
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8454.6 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 97.2
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: 25 FT

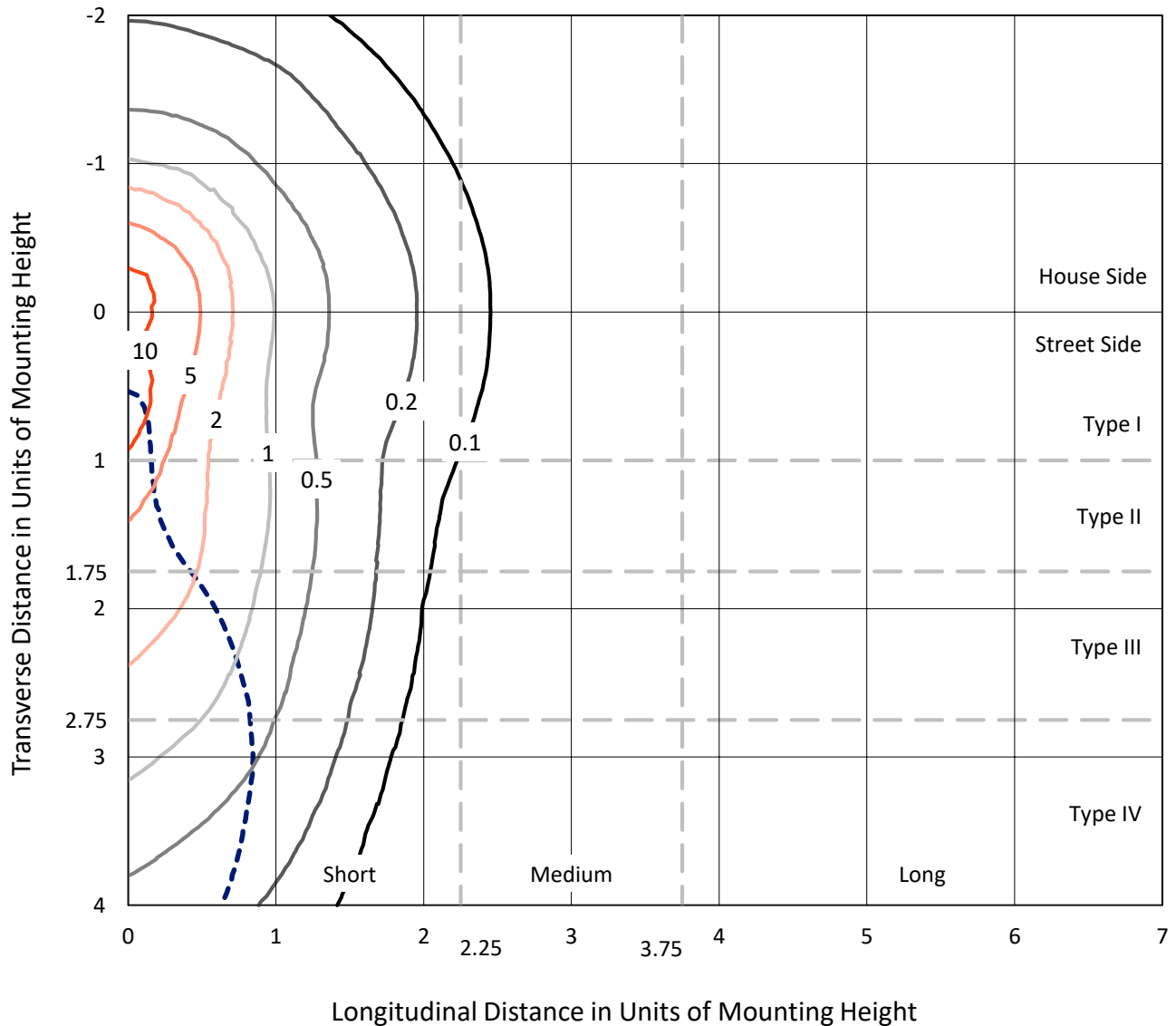


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Iso-Footcandle Lines of Horizontal Illumination

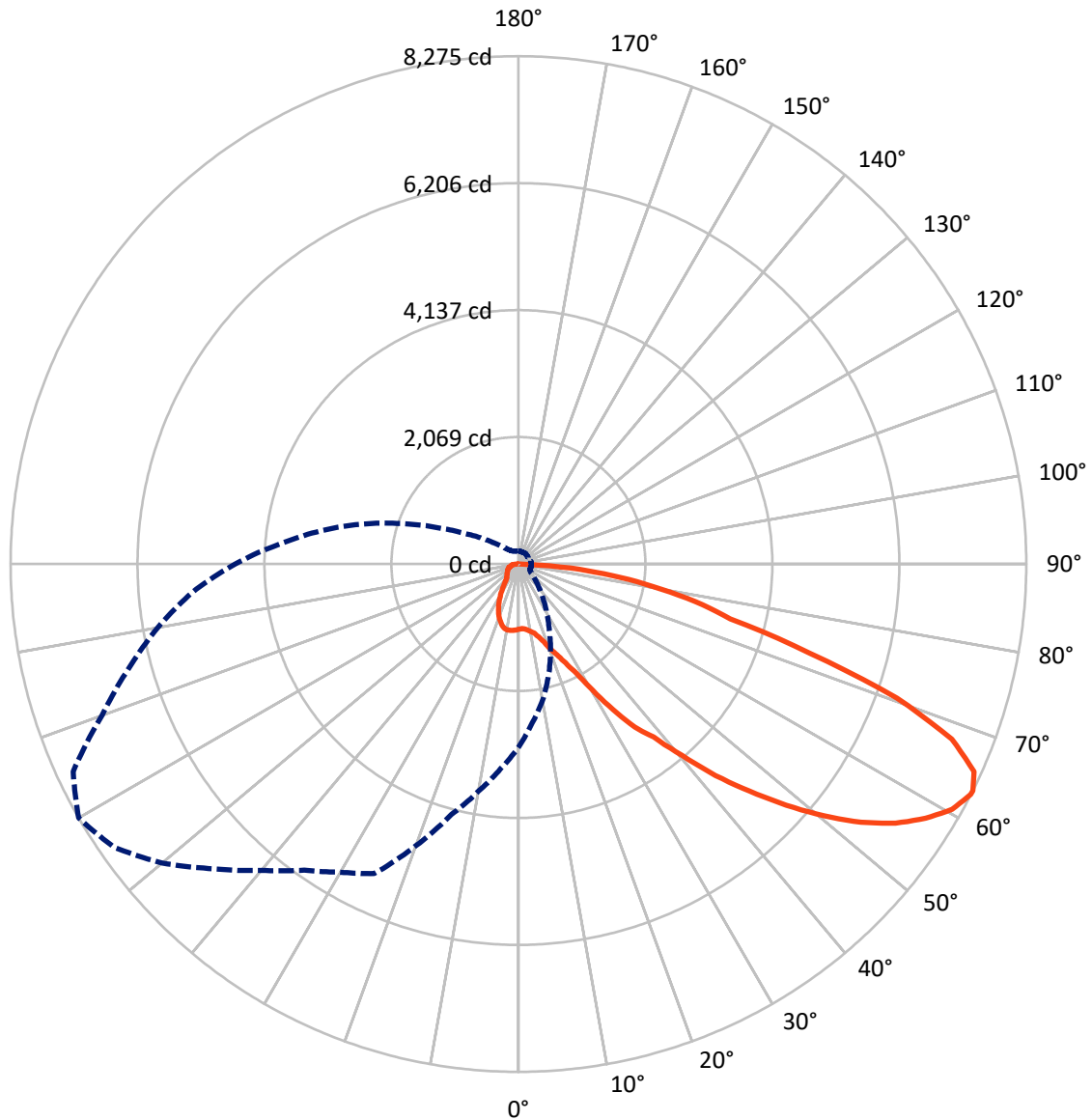
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1833.3	0.0	1833.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6621.2	0.0	6621.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	8454.6	0.0	8454.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	1.2
10°-20°	322.1	3.8
20°-30°	572.3	6.8
30°-40°	901.1	10.7
40°-50°	1326.2	15.7
50°-60°	1761.6	20.8
60°-70°	1940.4	23.0
70°-80°	1217.4	14.4
80°-90°	310.1	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°	8454.6	100.0
0°-180°	8454.6	100.0



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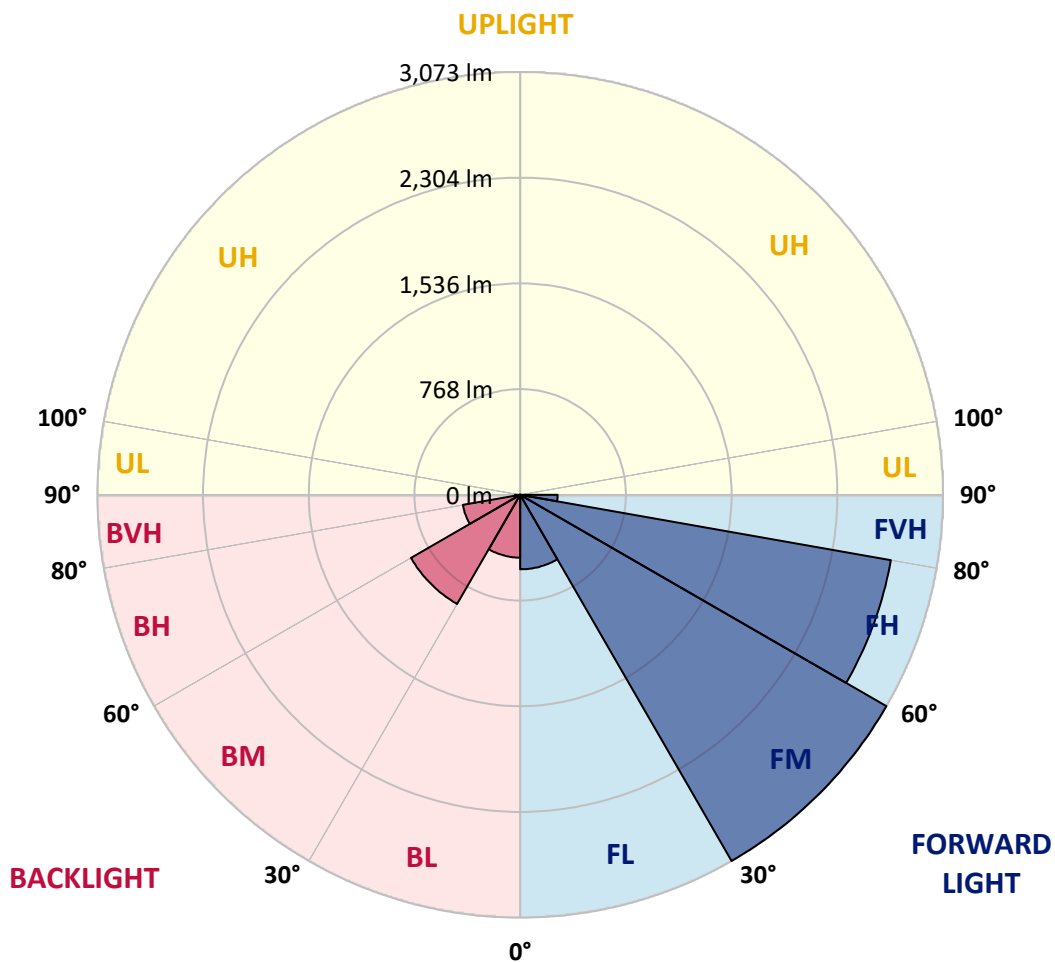
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	541.4	6.4			
FM	(30°-60°)	3072.6	36.3			
FH	(60°-80°)	2735.2	32.4			G2/5000
FVH	(80°-90°)	272.1	3.2			G3/500
BL	(0°-30°)	456.4	5.4	B1/500		
BM	(30°-60°)	916.3	10.8	B1/1000		
BH	(60°-80°)	422.6	5.0	B1/500		G1/500
BVH	(80°-90°)	38.0	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°	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5
2.5°	1048.3	1051.3	1050.3	1050.3	1052.3	1051.3	1051.3	1052.3	1052.3	1055.4	1059.4
5°	1040.2	1039.2	1037.2	1039.2	1039.2	1039.2	1035.1	1038.2	1039.2	1041.2	1041.2
7.5°	1050.3	1047.3	1043.2	1044.2	1044.2	1042.2	1039.2	1040.2	1039.2	1039.2	1038.2
10°	1063.5	1056.4	1051.3	1051.3	1051.3	1049.3	1044.2	1047.3	1047.3	1046.3	1047.3
12.5°	1086.8	1078.7	1072.6	1070.6	1070.6	1067.5	1063.5	1067.5	1065.5	1065.5	1063.5
15°	1125.3	1116.2	1109.1	1103.0	1104.0	1104.0	1098.9	1095.9	1091.8	1086.8	1076.7
17.5°	1183.0	1172.9	1163.8	1158.7	1159.7	1152.6	1138.4	1124.3	1105.0	1085.8	1064.5
20°	1265.0	1262.0	1249.8	1244.8	1232.6	1215.4	1175.9	1142.5	1105.0	1068.6	1032.1
22.5°	1406.8	1392.7	1380.5	1361.3	1320.7	1273.1	1207.3	1148.6	1089.8	1038.2	989.5
25°	1597.3	1571.9	1512.2	1453.4	1370.4	1285.3	1196.2	1120.2	1047.3	979.4	919.7
27.5°	1784.6	1707.7	1601.3	1495.0	1373.4	1262.0	1150.6	1060.4	975.4	901.4	835.6
30°	2011.5	1881.9	1718.8	1550.7	1378.5	1228.6	1094.9	989.5	891.3	813.3	744.4
32.5°	2224.2	2036.8	1823.1	1602.3	1389.6	1197.2	1031.1	911.6	810.3	712.0	644.2
35°	2370.1	2127.0	1867.7	1607.4	1362.3	1137.4	951.1	810.3	709.0	617.8	537.8
37.5°	2457.2	2166.5	1869.7	1570.9	1298.5	1056.4	849.8	710.0	616.8	529.7	466.9
40°	2511.9	2175.6	1843.4	1518.3	1217.4	954.1	748.5	622.9	537.8	467.9	419.3
42.5°	2538.2	2161.4	1800.8	1451.4	1135.4	862.9	677.6	559.1	485.2	435.5	399.1
45°	2542.2	2136.1	1755.3	1390.6	1062.5	797.1	629.0	532.8	472.0	430.5	394.0
47.5°	2542.2	2113.8	1718.8	1346.1	1014.9	768.7	624.9	543.9	484.1	437.5	394.0
50°	2544.3	2106.7	1703.6	1323.8	998.7	783.9	659.4	578.3	510.5	449.7	393.0
52.5°	2553.4	2115.8	1715.8	1341.0	1028.0	844.7	724.2	630.0	544.9	463.9	393.0
55°	2573.6	2146.2	1767.4	1400.8	1107.0	936.9	802.2	685.7	572.3	470.0	386.9
57.5°	2630.4	2223.2	1861.6	1516.2	1241.7	1043.2	873.1	725.2	582.4	464.9	374.8
60°	2743.8	2376.1	2022.6	1678.3	1384.6	1134.4	914.6	731.3	573.3	448.7	355.5
62.5°	2925.1	2551.4	2218.1	1854.5	1511.2	1185.0	919.7	716.1	549.0	419.3	327.1
63°	2987.9	2594.9	2259.7	1887.9	1527.4	1189.1	915.6	710.0	542.9	411.2	323.1
65°	3163.1	2778.2	2403.5	2005.4	1572.9	1190.1	893.3	679.6	514.5	379.8	294.7
67.5°	3490.3	3019.3	2584.8	2097.6	1589.2	1157.7	836.6	622.9	454.8	331.2	259.3
70°	3696.9	3154.0	2654.7	2099.6	1541.5	1065.5	738.4	530.7	378.8	274.5	222.8
72.5°	3643.2	3021.3	2470.3	1910.2	1335.9	890.3	593.5	417.3	295.8	219.8	185.4
75°	3120.6	2514.9	2015.6	1479.8	1009.8	654.3	434.5	297.8	218.8	172.2	155.0
77.5°	2246.5	1810.0	1445.3	1054.4	680.6	423.4	288.7	212.7	166.1	141.8	127.6
80°	1431.1	1061.5	884.2	634.0	398.0	262.3	198.5	161.0	136.7	118.5	109.4
82.5°	747.5	523.6	425.4	324.1	220.8	173.2	145.8	131.7	112.4	98.2	93.2
85°	465.9	308.9	228.9	160.0	110.4	99.3	91.2	89.1	80.0	70.9	67.9
87.5°	52.7	47.6	49.6	31.4	23.3	25.3	24.3	32.4	31.4	23.3	24.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5
2.5°	1055.4	1057.4	1057.4	1060.4	1060.4	1062.5	1064.5	1064.5	1066.5	1067.5	1069.6
5°	1043.2	1043.2	1043.2	1047.3	1048.3	1054.4	1056.4	1058.4	1060.4	1067.5	1071.6
7.5°	1040.2	1036.1	1038.2	1038.2	1041.2	1046.3	1051.3	1054.4	1057.4	1066.5	1072.6
10°	1046.3	1043.2	1040.2	1040.2	1041.2	1043.2	1047.3	1050.3	1052.3	1061.5	1066.5
12.5°	1062.5	1055.4	1049.3	1044.2	1040.2	1039.2	1037.2	1038.2	1040.2	1045.3	1052.3
15°	1065.5	1052.3	1039.2	1026.0	1015.9	1009.8	1004.7	1002.7	1002.7	1005.8	1013.9
17.5°	1045.3	1023.0	1003.7	986.5	975.4	964.2	959.2	955.1	953.1	957.1	958.2
20°	1001.7	975.4	949.0	928.8	908.5	905.5	897.4	899.4	901.4	907.5	910.5
22.5°	941.9	910.5	878.1	856.9	840.7	826.5	817.4	821.4	824.5	830.5	833.6
25°	869.0	823.4	789.0	767.7	750.5	738.4	728.2	732.3	728.2	735.3	746.5
27.5°	782.9	729.2	692.8	668.5	656.3	646.2	636.1	636.1	646.2	646.2	655.3
30°	678.6	639.1	591.5	566.2	551.0	544.9	543.9	541.9	549.0	553.0	563.1
32.5°	580.4	531.7	486.2	461.9	448.7	441.6	442.6	443.6	446.7	452.7	468.9
35°	481.1	438.6	406.2	378.8	365.6	352.5	352.5	350.4	353.5	360.6	379.8
37.5°	417.3	379.8	354.5	333.2	320.1	312.0	304.9	301.8	301.8	304.9	312.0
40°	381.8	354.5	331.2	313.0	300.8	293.7	289.7	286.6	284.6	284.6	285.6
42.5°	365.6	337.3	314.0	297.8	288.7	284.6	283.6	282.6	279.5	278.5	277.5
45°	357.5	325.1	298.8	285.6	278.5	276.5	277.5	277.5	276.5	274.5	270.4
47.5°	351.5	314.0	287.6	275.5	272.5	272.5	272.5	272.5	271.4	270.4	267.4
50°	341.3	296.8	268.4	259.3	257.3	257.3	258.3	258.3	260.3	258.3	256.2
52.5°	330.2	280.6	252.2	244.1	243.1	242.1	242.1	242.1	243.1	243.1	242.1
55°	318.0	268.4	244.1	238.0	239.0	238.0	237.0	236.0	236.0	235.0	233.0
57.5°	305.9	258.3	238.0	234.0	235.0	235.0	233.0	230.9	229.9	226.9	224.9
60°	287.6	244.1	225.9	223.8	226.9	226.9	226.9	225.9	225.9	224.9	219.8
62.5°	263.3	223.8	209.7	210.7	211.7	213.7	213.7	213.7	213.7	211.7	206.6
63°	258.3	219.8	206.6	206.6	209.7	209.7	210.7	209.7	210.7	208.6	202.6
65°	238.0	206.6	196.5	197.5	199.5	199.5	199.5	198.5	198.5	195.5	192.4
67.5°	214.7	190.4	184.3	185.4	186.4	188.4	187.4	187.4	188.4	186.4	183.3
70°	188.4	173.2	169.1	170.2	171.2	171.2	170.2	170.2	171.2	169.1	166.1
72.5°	168.1	162.1	159.0	159.0	157.0	157.0	155.0	154.0	152.9	152.9	149.9
75°	141.8	140.8	141.8	143.8	141.8	139.8	138.8	135.7	133.7	133.7	132.7
77.5°	121.5	121.5	123.6	126.6	127.6	127.6	124.6	119.5	118.5	118.5	118.5
80°	105.3	103.3	103.3	106.3	109.4	108.4	103.3	98.2	98.2	103.3	104.3
82.5°	92.2	92.2	89.1	90.1	89.1	88.1	83.1	80.0	79.0	83.1	87.1
85°	72.9	73.9	72.9	71.9	70.9	67.9	63.8	60.8	59.8	63.8	69.9
87.5°	29.4	28.4	27.3	28.4	27.3	29.4	28.4	26.3	25.3	28.4	34.4
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°	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5
2.5°	1070.6	1072.6	1074.6	1074.6	1076.7	1075.6	1076.7	1077.7	1077.7	1078.7	1078.7
5°	1076.7	1079.7	1083.7	1087.8	1088.8	1091.8	1094.9	1092.9	1095.9	1099.9	1099.9
7.5°	1078.7	1085.8	1088.8	1094.9	1095.9	1099.9	1107.0	1102.0	1108.1	1111.1	1112.1
10°	1075.6	1082.7	1087.8	1094.9	1097.9	1105.0	1112.1	1110.1	1117.2	1122.2	1123.2
12.5°	1057.4	1064.5	1075.6	1085.8	1093.9	1105.0	1118.2	1114.1	1124.3	1130.3	1133.4
15°	1022.0	1029.0	1041.2	1057.4	1072.6	1089.8	1107.0	1110.1	1120.2	1127.3	1130.3
17.5°	966.3	975.4	988.5	1005.8	1025.0	1054.4	1076.7	1087.8	1102.0	1106.0	1111.1
20°	914.6	923.7	931.8	941.9	956.1	984.5	1013.9	1036.1	1054.4	1069.6	1073.6
22.5°	845.7	853.8	864.0	872.1	882.2	902.4	926.8	952.1	980.4	989.5	999.7
25°	762.7	767.7	781.9	787.0	794.1	811.3	830.5	848.8	876.1	895.4	900.4
27.5°	673.5	678.6	691.8	694.8	703.9	720.1	734.3	741.4	766.7	787.0	803.2
30°	570.2	583.4	599.6	601.6	611.8	621.9	635.1	642.1	665.4	686.7	707.0
32.5°	481.1	494.3	507.4	515.5	520.6	528.7	541.9	549.0	571.2	590.5	610.7
35°	389.9	406.2	420.3	431.5	435.5	445.7	455.8	462.9	486.2	503.4	517.6
37.5°	321.1	333.2	348.4	359.6	370.7	377.8	389.9	400.1	414.3	423.4	438.6
40°	287.6	293.7	301.8	310.9	320.1	328.2	337.3	345.4	354.5	366.6	376.8
42.5°	276.5	277.5	277.5	280.6	285.6	289.7	297.8	303.9	309.9	319.0	324.1
45°	268.4	267.4	265.4	263.3	264.4	266.4	271.4	275.5	282.6	286.6	287.6
47.5°	264.4	260.3	256.2	253.2	252.2	253.2	257.3	261.3	265.4	268.4	269.4
50°	251.2	248.1	242.1	238.0	236.0	238.0	243.1	245.1	249.2	252.2	253.2
52.5°	238.0	234.0	229.9	225.9	225.9	226.9	230.9	235.0	239.0	240.0	242.1
55°	229.9	223.8	219.8	216.7	214.7	217.8	220.8	225.9	230.9	231.9	234.0
57.5°	221.8	215.7	211.7	208.6	206.6	209.7	212.7	219.8	225.9	225.9	225.9
60°	216.7	211.7	205.6	202.6	199.5	202.6	206.6	213.7	219.8	218.8	217.8
62.5°	202.6	197.5	194.5	194.5	191.4	196.5	200.5	208.6	209.7	207.6	205.6
63°	198.5	194.5	192.4	192.4	190.4	195.5	199.5	206.6	206.6	204.6	202.6
65°	188.4	185.4	183.3	185.4	185.4	190.4	191.4	196.5	195.5	192.4	191.4
67.5°	180.3	178.3	176.2	176.2	176.2	177.2	178.3	180.3	179.3	178.3	179.3
70°	167.1	166.1	164.1	164.1	163.1	163.1	163.1	164.1	164.1	165.1	166.1
72.5°	150.9	148.9	148.9	149.9	147.9	148.9	149.9	148.9	150.9	150.9	151.9
75°	132.7	131.7	133.7	135.7	134.7	134.7	135.7	135.7	136.7	136.7	137.7
77.5°	118.5	119.5	120.5	122.6	123.6	123.6	123.6	122.6	123.6	123.6	124.6
80°	105.3	107.4	109.4	111.4	112.4	112.4	112.4	111.4	111.4	111.4	111.4
82.5°	95.2	98.2	100.3	101.3	101.3	101.3	101.3	101.3	101.3	99.3	97.2
85°	80.0	86.1	86.1	87.1	84.1	82.0	80.0	81.0	82.0	78.0	77.0
87.5°	40.5	40.5	42.5	44.6	45.6	45.6	51.7	48.6	47.6	46.6	44.6
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5
2.5°	1079.7	1078.7	1080.7	1078.7	1079.7	1080.7	1078.7	1081.7	1083.7	1080.7	1077.7
5°	1102.0	1102.0	1107.0	1109.1	1110.1	1116.2	1113.1	1115.1	1117.2	1116.2	1117.2
7.5°	1116.2	1120.2	1125.3	1130.3	1131.3	1136.4	1135.4	1138.4	1140.5	1145.5	1145.5
10°	1128.3	1133.4	1140.5	1145.5	1150.6	1154.6	1156.7	1162.7	1163.8	1167.8	1167.8
12.5°	1139.4	1145.5	1152.6	1160.7	1165.8	1173.9	1174.9	1184.0	1187.1	1188.1	1185.0
15°	1137.4	1144.5	1152.6	1161.7	1170.8	1181.0	1187.1	1196.2	1201.2	1203.3	1198.2
17.5°	1118.2	1124.3	1134.4	1146.5	1157.7	1170.8	1182.0	1195.2	1203.3	1205.3	1204.3
20°	1080.7	1084.8	1097.9	1114.1	1127.3	1147.6	1163.8	1184.0	1197.2	1207.3	1210.3
22.5°	1006.8	1016.9	1030.1	1048.3	1067.5	1092.9	1116.2	1145.5	1173.9	1198.2	1222.5
25°	917.6	935.9	956.1	980.4	1003.7	1030.1	1056.4	1089.8	1131.3	1182.0	1239.7
27.5°	827.5	858.9	884.2	915.6	943.0	969.3	998.7	1035.1	1080.7	1141.5	1215.4
30°	736.3	771.8	799.1	835.6	872.1	907.5	936.9	975.4	1019.9	1081.7	1162.7
32.5°	639.1	674.6	707.0	740.4	780.9	823.4	858.9	906.5	954.1	1017.9	1099.9
35°	538.8	570.2	597.6	633.0	677.6	723.2	769.8	824.5	876.1	943.0	1030.1
37.5°	451.7	474.0	500.3	531.7	566.2	614.8	667.5	732.3	791.0	864.0	953.1
40°	379.8	392.0	407.2	433.5	464.9	512.5	564.2	633.0	703.9	783.9	870.0
42.5°	324.1	330.2	334.2	351.5	376.8	423.4	473.0	539.8	617.8	704.9	792.0
45°	287.6	290.7	291.7	300.8	319.0	359.6	411.2	467.9	542.9	628.0	719.1
47.5°	270.4	273.5	275.5	277.5	288.7	320.1	366.6	420.3	489.2	567.2	660.4
50°	256.2	259.3	262.3	261.3	266.4	286.6	326.1	375.8	440.6	512.5	604.7
52.5°	242.1	244.1	244.1	244.1	247.1	260.3	288.7	334.2	394.0	461.9	553.0
55°	234.0	236.0	237.0	238.0	239.0	246.1	267.4	303.9	355.5	418.3	500.3
57.5°	225.9	226.9	228.9	229.9	231.9	236.0	249.2	275.5	319.0	371.7	440.6
60°	218.8	220.8	224.9	225.9	227.9	228.9	235.0	251.2	279.5	320.1	375.8
62.5°	207.6	210.7	214.7	215.7	217.8	218.8	219.8	228.9	242.1	266.4	307.9
63°	204.6	207.6	212.7	213.7	214.7	214.7	215.7	221.8	234.0	255.2	285.6
65°	193.5	197.5	200.5	201.6	202.6	202.6	201.6	203.6	204.6	213.7	231.9
67.5°	181.3	184.3	186.4	187.4	186.4	187.4	186.4	184.3	182.3	184.3	192.4
70°	169.1	171.2	171.2	172.2	173.2	174.2	172.2	170.2	168.1	167.1	172.2
72.5°	155.0	157.0	157.0	158.0	158.0	160.0	160.0	159.0	159.0	160.0	161.0
75°	140.8	142.8	141.8	143.8	143.8	146.9	146.9	147.9	149.9	148.9	147.9
77.5°	127.6	128.6	128.6	129.6	130.7	135.7	138.8	139.8	139.8	137.7	135.7
80°	113.4	113.4	111.4	110.4	111.4	116.5	122.6	123.6	126.6	125.6	126.6
82.5°	95.2	91.2	88.1	88.1	90.1	93.2	95.2	97.2	99.3	99.3	101.3
85°	72.9	68.9	65.8	66.8	69.9	70.9	69.9	69.9	73.9	77.0	73.9
87.5°	43.6	39.5	37.5	34.4	35.4	38.5	37.5	34.4	35.4	28.4	26.3
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5
2.5°	1079.7	1078.7	1076.7	1073.6	1072.6	1070.6	1071.6	1068.6	1066.5	1064.5	1061.5
5°	1117.2	1117.2	1111.1	1111.1	1108.1	1107.0	1099.9	1096.9	1090.8	1092.9	1085.8
7.5°	1143.5	1146.5	1139.4	1138.4	1134.4	1133.4	1124.3	1121.2	1116.2	1114.1	1108.1
10°	1162.7	1162.7	1153.6	1146.5	1141.5	1136.4	1127.3	1123.2	1119.2	1120.2	1116.2
12.5°	1177.9	1170.8	1157.7	1147.6	1140.5	1135.4	1128.3	1125.3	1124.3	1131.3	1132.4
15°	1190.1	1180.0	1163.8	1156.7	1150.6	1149.6	1149.6	1152.6	1159.7	1172.9	1183.0
17.5°	1197.2	1191.1	1183.0	1181.0	1191.1	1197.2	1205.3	1214.4	1224.5	1242.8	1253.9
20°	1210.3	1214.4	1220.5	1228.6	1244.8	1260.0	1270.1	1283.3	1295.4	1317.7	1335.9
22.5°	1244.8	1268.1	1287.3	1303.5	1327.8	1349.1	1362.3	1380.5	1389.6	1404.8	1433.2
25°	1289.4	1337.0	1377.5	1411.9	1449.4	1471.7	1489.9	1513.2	1527.4	1552.7	1578.0
27.5°	1276.2	1344.0	1404.8	1468.6	1520.3	1578.0	1618.5	1657.0	1681.3	1718.8	1752.2
30°	1235.7	1316.7	1398.7	1482.8	1564.8	1647.9	1724.9	1794.8	1848.4	1902.1	1956.8
32.5°	1181.0	1274.2	1374.4	1477.7	1585.1	1700.6	1806.9	1912.2	2001.4	2079.4	2155.3
35°	1118.2	1223.5	1327.8	1455.5	1588.1	1735.0	1882.9	2028.7	2164.4	2302.2	2395.4
37.5°	1043.2	1150.6	1267.1	1413.9	1569.9	1751.2	1939.6	2130.0	2322.5	2507.8	2668.8
40°	963.2	1072.6	1195.2	1354.2	1530.4	1741.1	1976.1	2232.3	2496.7	2765.1	2978.8
42.5°	892.3	1004.7	1138.4	1299.5	1490.9	1727.9	2005.4	2320.4	2643.5	2975.7	3289.7
45°	823.4	947.0	1087.8	1261.0	1473.7	1738.0	2049.0	2402.5	2775.2	3178.3	3561.2
47.5°	761.7	887.3	1024.0	1213.4	1448.4	1743.1	2091.5	2484.5	2899.8	3336.3	3791.1
50°	706.0	827.5	962.2	1152.6	1408.9	1740.1	2130.0	2558.4	3007.1	3460.9	3968.3
52.5°	651.3	774.8	912.6	1093.9	1360.2	1722.8	2148.2	2619.2	3106.4	3586.5	4111.1
55°	597.6	719.1	857.9	1038.2	1296.4	1678.3	2146.2	2658.7	3185.4	3705.0	4248.9
57.5°	534.8	650.2	786.0	976.4	1228.6	1609.4	2115.8	2676.9	3253.3	3822.5	4414.0
60°	456.8	565.2	695.8	886.2	1139.4	1521.3	2052.0	2666.8	3292.8	3909.6	4554.8
62.5°	360.6	454.8	574.3	760.6	1028.0	1394.7	1932.5	2574.6	3230.0	3897.4	4620.6
63°	340.3	429.4	545.9	730.3	980.4	1360.2	1897.1	2538.2	3199.6	3872.1	4611.5
65°	273.5	331.2	424.4	589.5	820.4	1191.1	1720.8	2350.8	3036.5	3693.8	4479.8
67.5°	209.7	239.0	288.7	404.1	580.4	936.9	1393.7	1992.3	2635.4	3253.3	4055.4
70°	179.3	192.4	213.7	268.4	368.7	591.5	978.4	1485.8	2042.9	2578.7	3299.8
72.5°	163.1	169.1	180.3	203.6	253.2	354.5	623.9	967.3	1389.6	1838.3	2395.4
75°	149.9	155.0	164.1	176.2	194.5	236.0	355.5	591.5	903.5	1207.3	1616.5
77.5°	136.7	139.8	149.9	161.0	173.2	194.5	235.0	340.3	519.6	712.0	974.4
80°	125.6	123.6	130.7	148.9	161.0	173.2	185.4	220.8	295.8	389.9	526.7
82.5°	100.3	102.3	108.4	126.6	131.7	128.6	130.7	136.7	165.1	180.3	269.4
85°	67.9	62.8	61.8	63.8	63.8	60.8	60.8	59.8	65.8	75.0	128.6
87.5°	18.2	9.1	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°	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	0°
2.5°	1059.4	1058.4	1059.4	1054.4	1054.4	1053.4	1052.3	1050.3	1050.3	1046.3	1049.3	2.5°
5°	1079.7	1077.7	1073.6	1067.5	1064.5	1060.4	1060.4	1056.4	1053.4	1049.3	1050.3	5°
7.5°	1103.0	1104.0	1096.9	1091.8	1089.8	1085.8	1086.8	1080.7	1081.7	1078.7	1076.7	7.5°
10°	1116.2	1116.2	1118.2	1117.2	1119.2	1119.2	1122.2	1118.2	1116.2	1113.1	1113.1	10°
12.5°	1137.4	1141.5	1149.6	1149.6	1155.7	1157.7	1158.7	1160.7	1156.7	1154.6	1147.6	12.5°
15°	1190.1	1200.2	1207.3	1217.4	1229.6	1233.6	1233.6	1229.6	1227.6	1224.5	1211.4	15°
17.5°	1277.2	1299.5	1305.6	1321.8	1323.8	1328.9	1343.0	1334.9	1329.9	1308.6	1304.5	17.5°
20°	1366.3	1394.7	1423.0	1443.3	1453.4	1473.7	1476.7	1472.7	1452.4	1432.2	1423.0	20°
22.5°	1473.7	1516.2	1548.6	1580.0	1595.2	1605.4	1627.6	1622.6	1606.4	1576.0	1563.8	22.5°
25°	1625.6	1678.3	1712.7	1751.2	1771.5	1781.6	1803.9	1803.9	1786.7	1777.5	1776.5	25°
27.5°	1817.0	1881.9	1938.6	1951.8	2004.4	2016.6	2037.8	2037.8	2021.6	2010.5	2064.2	27.5°
30°	2029.7	2097.6	2195.8	2261.7	2325.5	2388.3	2387.3	2391.3	2410.6	2420.7	2444.0	30°
32.5°	2242.4	2326.5	2430.8	2573.6	2710.4	2826.8	2977.8	3074.0	3044.6	2962.6	2930.2	32.5°
35°	2500.7	2593.9	2720.5	2864.3	3114.5	3265.4	3338.3	3390.0	3396.1	3407.2	3430.5	35°
37.5°	2788.4	2944.3	3091.2	3254.3	3393.0	3576.4	3745.5	3881.2	3912.6	3976.4	3940.0	37.5°
40°	3152.0	3326.2	3480.1	3690.8	3877.2	4098.0	4340.0	4526.4	4601.4	4577.0	4394.7	40°
42.5°	3532.8	3748.5	3928.8	4177.0	4419.0	4710.7	4960.9	5221.2	5267.8	5080.4	4808.0	42.5°
45°	3883.2	4150.6	4374.5	4632.7	4928.5	5277.9	5612.2	5879.6	5870.4	5549.4	5184.7	45°
47.5°	4198.2	4526.4	4799.9	5136.1	5454.2	5870.4	6254.3	6451.8	6335.3	5955.5	5508.9	47.5°
50°	4458.5	4867.7	5205.0	5545.3	5949.4	6450.8	6820.5	6931.9	6707.1	6293.8	5823.9	50°
52.5°	4668.2	5181.7	5560.5	5952.5	6463.0	6990.7	7308.7	7267.2	6976.5	6552.1	6084.2	52.5°
55°	4845.4	5421.8	5873.5	6336.4	6969.4	7455.5	7667.2	7555.8	7149.7	6719.2	6262.4	55°
57.5°	5028.8	5654.7	6161.1	6697.9	7402.9	7820.2	7937.7	7708.8	7231.7	6783.0	6339.4	57.5°
60°	5212.1	5849.2	6415.4	7013.9	7731.0	8117.9	8085.5	7743.2	7207.4	6736.4	6287.7	60°
62.5°	5335.7	5964.6	6563.2	7208.4	7977.2	8269.9	8071.4	7620.6	7066.6	6553.1	6133.8	62.5°
63°	5338.7	5968.7	6572.3	7221.6	8004.5	8274.9	8044.0	7577.1	7022.0	6515.6	6088.2	63°
65°	5274.9	5892.7	6491.3	7161.8	7981.2	8158.5	7808.0	7319.8	6767.8	6256.3	5851.2	65°
67.5°	4948.8	5578.7	6107.5	6739.5	7563.9	7614.6	7176.0	6782.0	6285.7	5756.0	5332.6	67.5°
70°	4291.4	4815.1	5333.6	5861.3	6553.1	6544.0	6131.8	5931.2	5496.7	4893.1	4553.7	70°
72.5°	3413.3	3883.2	4247.9	4601.4	5057.1	4965.0	4699.6	4755.3	4473.7	4023.0	3821.5	72.5°
75°	2534.1	3050.7	3228.9	3372.8	3565.2	3566.2	3639.1	3797.2	3793.1	3542.9	3288.7	75°
77.5°	1662.1	2227.2	2287.0	2402.5	2633.4	2947.4	3271.5	3619.9	3707.0	3509.5	3133.7	77.5°
80°	926.8	1514.2	1445.3	1544.6	1793.7	2220.2	2698.2	3083.1	3310.0	3199.6	2801.5	80°
82.5°	474.0	873.1	834.6	972.3	1173.9	1544.6	1860.6	2156.3	2423.7	2408.5	2257.6	82.5°
85°	246.1	478.1	543.9	615.8	717.1	849.8	969.3	1055.4	1166.8	1363.3	1430.1	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.0	72.9	52.7	144.8	206.6	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°
1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5
1050.3	1051.3	1049.3	1049.3	1050.3	1050.3	1048.3
1048.3	1048.3	1046.3	1044.2	1042.2	1042.2	1040.2
1071.6	1071.6	1064.5	1061.5	1056.4	1052.3	1050.3
1106.0	1099.9	1091.8	1085.8	1077.7	1068.6	1063.5
1140.5	1131.3	1121.2	1112.1	1102.0	1091.8	1086.8
1197.2	1185.0	1171.9	1160.7	1146.5	1131.3	1125.3
1284.3	1265.0	1247.8	1231.6	1206.3	1195.2	1183.0
1399.8	1371.4	1349.1	1321.8	1290.4	1280.2	1265.0
1539.5	1515.2	1470.6	1450.4	1419.0	1403.8	1406.8
1752.2	1720.8	1669.2	1649.9	1646.9	1613.5	1597.3
2029.7	2031.8	1984.2	1932.5	1904.1	1851.5	1784.6
2424.7	2397.4	2341.7	2289.0	2222.2	2122.9	2011.5
2902.8	2842.0	2749.9	2651.6	2533.1	2380.2	2224.2
3369.7	3263.4	3116.5	2952.4	2781.3	2590.9	2370.1
3779.9	3614.8	3395.1	3206.7	2964.6	2726.6	2457.2
4154.7	3950.1	3666.5	3422.4	3136.8	2830.9	2511.9
4517.3	4258.0	3910.6	3580.4	3257.3	2900.8	2538.2
4862.7	4528.4	4116.2	3723.2	3345.4	2946.4	2542.2
5128.0	4763.4	4300.5	3826.5	3406.2	2980.8	2542.2
5374.2	4961.9	4441.3	3907.6	3462.9	3004.1	2544.3
5565.6	5101.7	4532.5	3965.3	3507.5	3021.3	2553.4
5704.3	5192.9	4593.2	4000.7	3539.9	3045.6	2573.6
5801.6	5252.6	4626.7	4032.1	3579.4	3088.2	2630.4
5848.2	5363.0	4682.4	4094.9	3647.3	3178.3	2743.8
5812.7	5534.2	4841.4	4201.3	3741.4	3319.1	2925.1
5797.5	5565.6	4884.9	4224.6	3762.7	3349.5	2987.9
5679.0	5597.0	5064.2	4342.1	3864.0	3484.2	3163.1
5311.4	5473.4	5215.1	4540.6	4081.8	3811.3	3490.3
4835.3	5290.1	5187.8	4565.9	4220.5	4079.7	3696.9
4265.1	4736.1	4640.9	4228.6	4067.6	4082.8	3643.2
3356.6	3710.0	3647.3	3502.4	3534.8	3646.2	3120.6
2689.1	2641.5	2496.7	2506.8	2694.2	2824.8	2246.5
2196.9	1778.6	1590.2	1595.2	1922.4	2058.1	1431.1
2090.5	1682.3	1370.4	1197.2	1398.7	1347.1	747.5
1488.9	1491.9	1237.7	1005.8	974.4	828.5	465.9
352.5	282.6	201.6	149.9	158.0	104.3	52.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)