

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: McGRAW-EDISON

Report Number: P158980

Luminaire Tested: **VTS-E03-LED-E1-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158980
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: MCGRAW-EDISON
Catalog Number: VTS-E03-LED-E1-SLR
Description: VENTUS LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

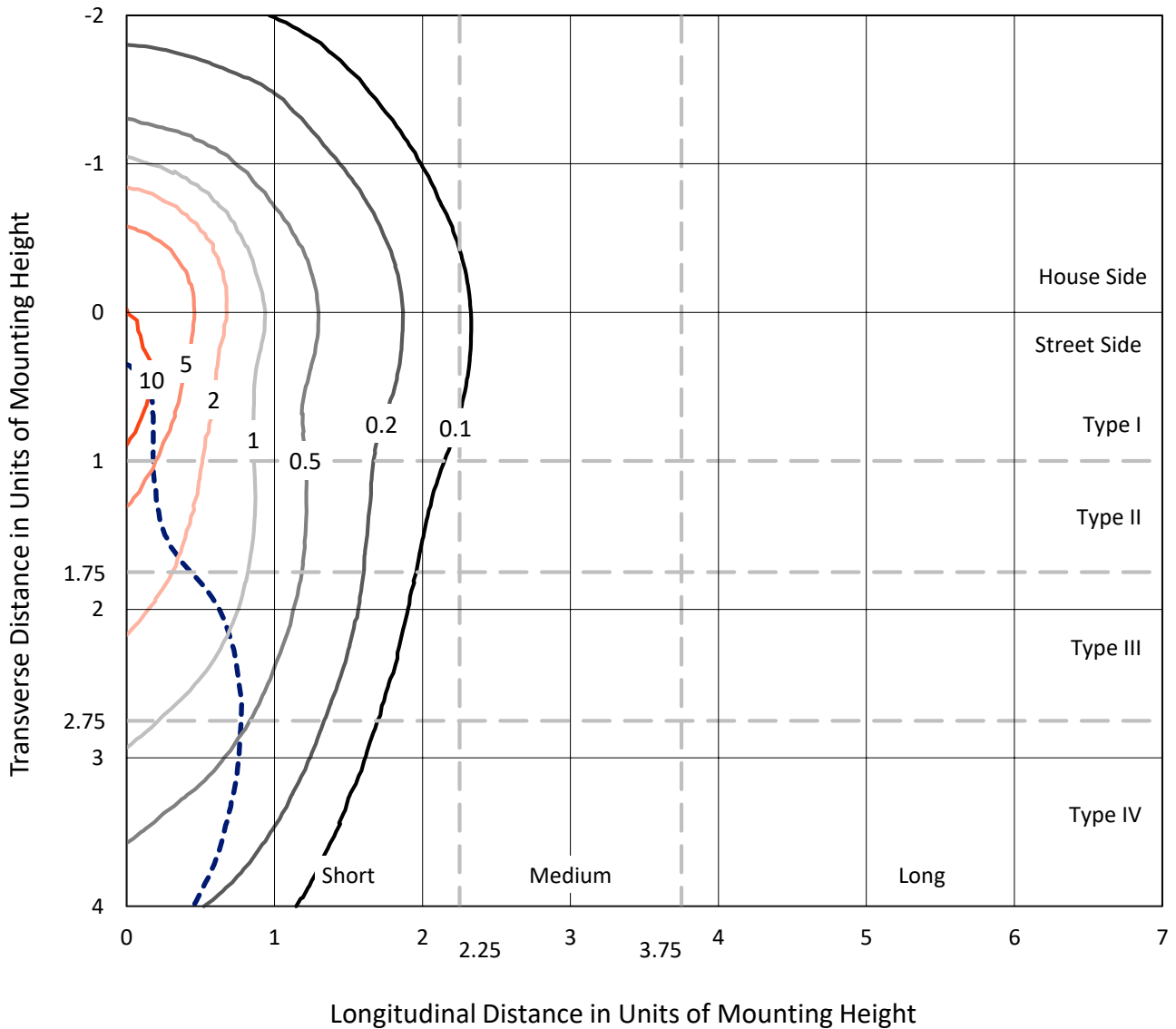
Lumens per Lamp: N/A
Luminaire Lumens: 8061.8 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): 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

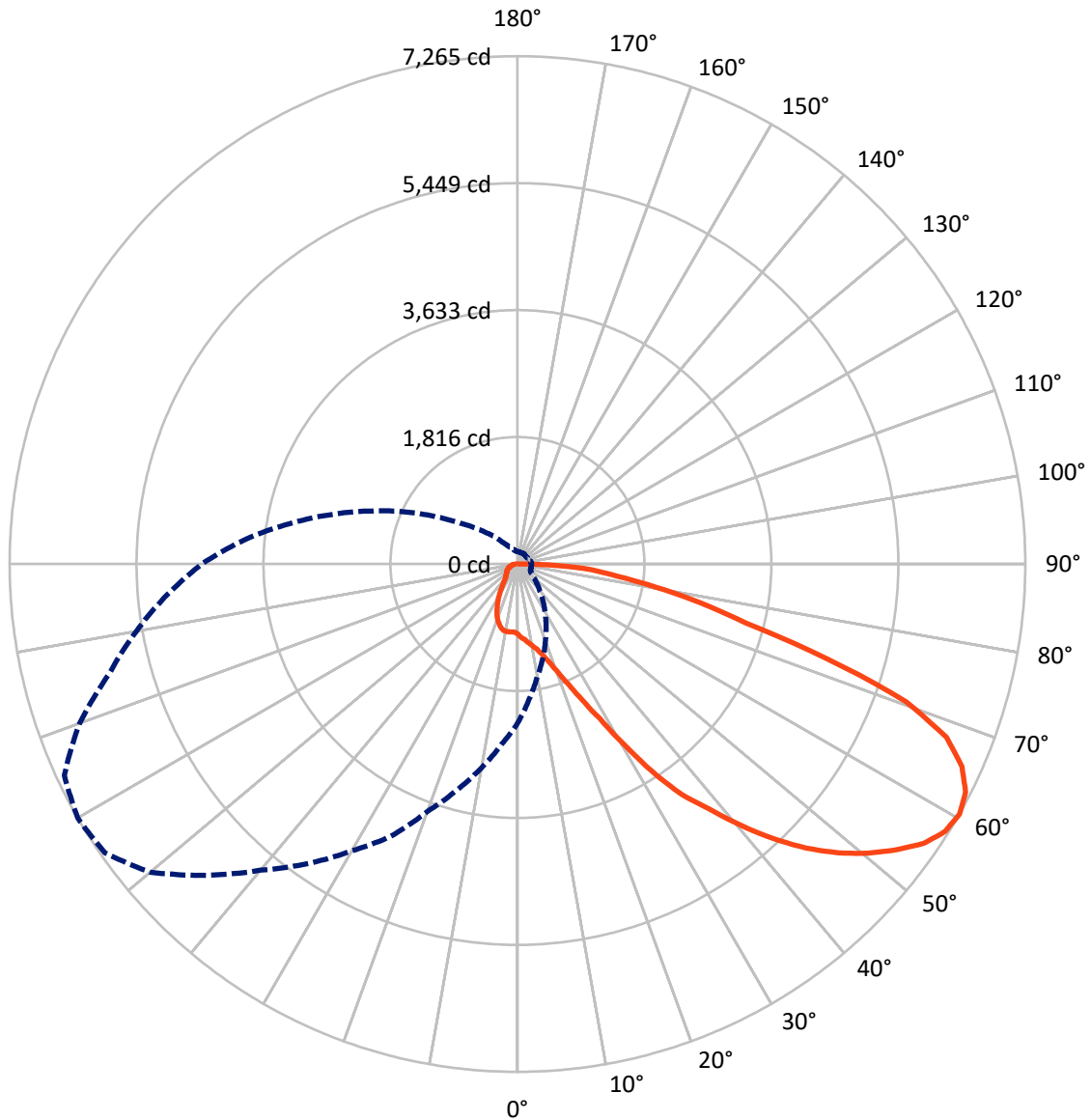
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1815.3	0.0	1815.3
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	6246.6	0.0	6246.6
	% Fixture	77.5	0.0	77.5
Total	Lumens	8061.8	0.0	8061.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	1.2
10°-20°	319.4	4.0
20°-30°	606.0	7.5
30°-40°	954.4	11.8
40°-50°	1332.1	16.5
50°-60°	1647.5	20.4
60°-70°	1707.7	21.2
70°-80°	1074.6	13.3
80°-90°	321.2	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°	8061.8	100.0
0°-180°	8061.8	100.0



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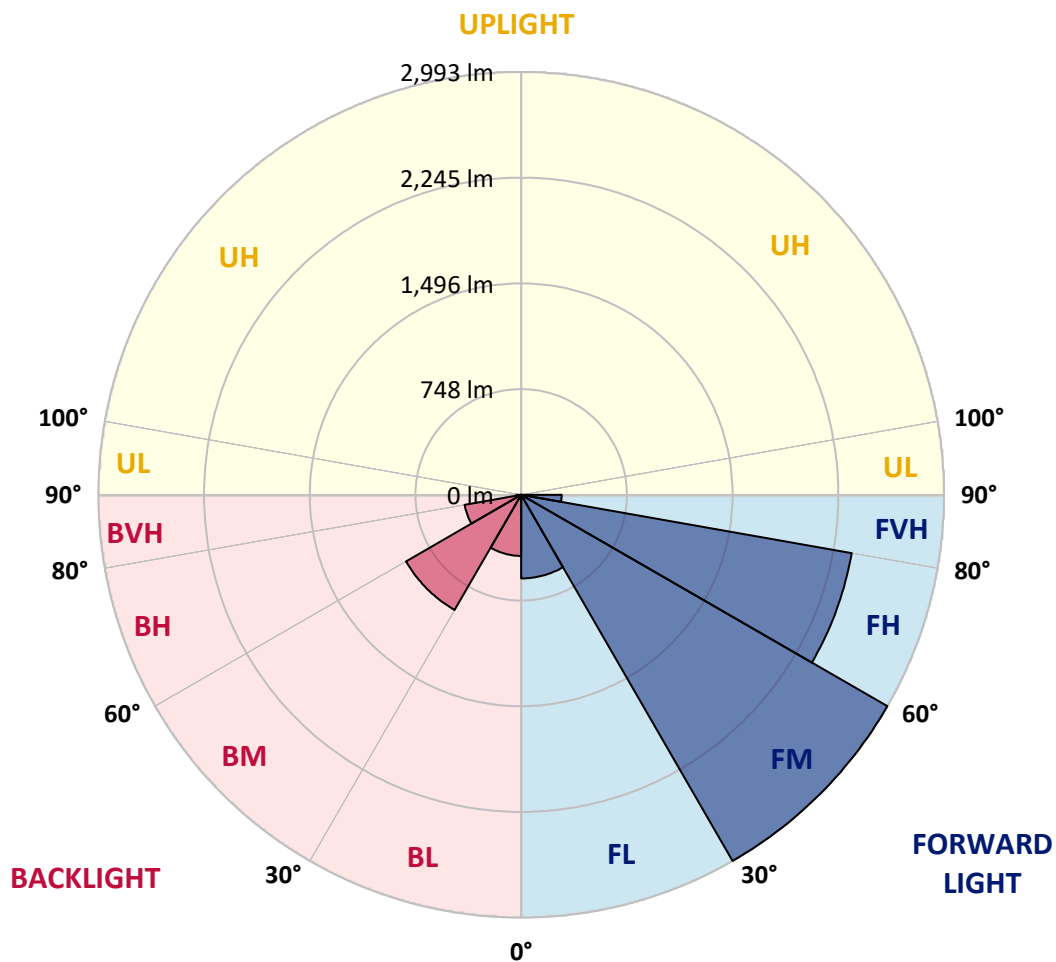
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	591.9	7.3			
FM	(30°-60°)	2992.7	37.1			
FH	(60°-80°)	2375.8	29.5			G2/5000
FVH	(80°-90°)	286.3	3.6			G3/500
BL	(0°-30°)	432.5	5.4	B1/500		
BM	(30°-60°)	941.3	11.7	B1/1000		
BH	(60°-80°)	406.5	5.0	B1/500		G1/500
BVH	(80°-90°)	34.9	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°	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6
2.5°	1062.0	998.4	999.6	997.8	997.8	996.6	997.8	996.6	995.4	995.4	996.0
5°	1075.8	1005.6	1005.6	1003.8	1002.6	1001.4	1002.6	1001.4	1000.8	999.6	1000.2
7.5°	1089.0	1009.8	1007.4	1005.0	1002.0	1003.2	1003.2	1002.6	1003.2	1002.6	1003.8
10°	1110.6	1023.6	1017.6	1012.2	1011.6	1010.4	1010.4	1008.6	1008.6	1007.4	1008.0
12.5°	1165.8	1066.2	1059.6	1050.0	1048.2	1042.8	1039.8	1036.2	1030.2	1024.8	1020.6
15°	1258.8	1137.0	1124.4	1116.0	1112.4	1101.6	1084.8	1071.6	1054.2	1039.2	1023.6
17.5°	1372.8	1231.8	1216.8	1206.0	1188.0	1158.6	1130.4	1098.0	1064.4	1033.8	1005.6
20°	1532.4	1368.0	1338.6	1312.8	1267.8	1217.4	1164.6	1108.2	1056.6	1008.6	967.2
22.5°	1748.4	1543.8	1489.2	1420.2	1336.8	1251.6	1167.6	1089.6	1020.6	958.2	903.0
25°	1996.8	1711.8	1613.4	1494.6	1366.8	1249.2	1138.8	1038.6	958.2	877.8	817.8
27.5°	2179.8	1852.2	1707.0	1551.0	1387.8	1237.8	1102.2	981.0	883.8	801.6	729.0
30°	2284.2	1932.6	1758.0	1575.0	1391.4	1218.6	1056.0	915.6	803.4	705.6	636.0
32.5°	2351.4	1975.8	1763.4	1551.0	1348.2	1161.6	985.8	840.0	718.2	613.8	540.0
35°	2407.8	1993.2	1738.2	1497.6	1266.6	1075.2	895.8	750.0	621.0	525.0	449.4
37.5°	2430.6	1990.2	1698.0	1426.2	1186.8	981.0	804.0	654.6	539.4	454.8	390.0
40°	2426.4	1962.6	1643.4	1350.0	1093.2	882.6	706.8	575.4	481.8	410.4	363.0
42.5°	2398.2	1926.0	1582.8	1272.6	1007.4	801.0	640.8	524.4	448.8	394.8	353.4
45°	2362.8	1882.2	1527.6	1201.8	939.6	742.8	602.4	510.0	444.6	393.0	348.6
47.5°	2314.8	1833.6	1471.8	1151.4	903.6	725.4	601.8	518.4	448.2	388.8	340.2
50°	2262.6	1798.2	1441.2	1129.8	899.4	736.2	622.8	531.6	450.6	384.6	328.8
52.5°	2226.0	1782.6	1440.6	1137.6	921.6	766.2	647.4	548.4	459.6	387.0	326.4
55°	2181.0	1780.2	1456.2	1171.2	970.2	817.2	686.4	577.2	478.2	396.0	328.2
57.5°	2184.0	1827.6	1516.8	1254.0	1057.8	886.2	736.2	612.6	496.2	401.4	325.2
60°	2278.8	1938.0	1636.2	1395.6	1172.4	967.2	787.2	631.8	495.0	389.4	310.8
62.5°	2474.4	2103.6	1815.0	1561.8	1288.8	1029.6	805.8	626.4	477.0	363.6	287.4
65°	2707.8	2297.4	1989.0	1690.8	1359.6	1044.0	789.6	596.4	441.0	330.0	259.2
67.5°	2941.2	2434.8	2089.2	1727.4	1330.8	985.8	729.6	529.2	379.8	284.4	227.4
70°	3025.2	2463.0	2081.4	1645.2	1200.0	841.2	600.6	426.0	304.8	232.8	191.4
72.5°	2899.2	2286.6	1850.4	1398.0	975.6	652.2	440.4	314.4	232.8	182.4	156.0
75°	2431.8	1841.4	1462.8	1053.0	704.4	461.4	318.0	229.2	175.2	144.6	124.8
77.5°	1733.4	1282.2	996.6	691.8	457.2	319.8	228.0	172.2	139.2	115.8	101.4
80°	1089.0	787.2	607.2	415.2	285.0	217.2	163.8	136.2	112.2	94.2	84.6
82.5°	655.8	458.4	357.6	258.0	187.2	148.8	120.6	106.8	89.4	78.0	72.6
85°	445.2	337.2	234.6	152.4	112.8	87.6	82.2	73.8	66.6	55.8	54.0
87.5°	85.2	120.6	105.0	62.4	41.4	35.4	31.2	30.0	27.0	21.6	24.6
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°	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6
2.5°	992.4	991.2	988.8	988.8	987.0	983.4	982.8	980.4	977.4	978.0	977.4
5°	996.0	993.6	990.6	989.4	987.0	983.4	981.6	978.6	975.6	975.6	975.6
7.5°	1000.2	997.2	994.8	990.6	985.8	982.2	977.4	973.8	972.0	971.4	972.0
10°	1003.8	1002.0	998.4	992.4	985.8	978.6	973.8	969.0	964.2	964.8	965.4
12.5°	1011.6	1005.6	996.0	987.0	976.8	967.8	959.4	953.4	947.4	947.4	948.0
15°	1006.2	988.8	975.6	958.2	946.8	932.4	922.8	917.4	913.8	912.6	913.2
17.5°	974.4	953.4	933.6	918.0	902.4	891.0	886.8	883.2	878.4	880.8	878.4
20°	926.4	900.6	872.4	853.8	835.2	827.4	820.2	816.6	813.6	824.4	824.4
22.5°	857.4	826.2	797.4	774.6	753.6	745.2	738.0	733.8	735.6	748.8	750.0
25°	770.4	732.6	694.8	681.0	660.0	653.4	649.2	648.6	650.4	663.6	666.6
27.5°	678.0	638.4	606.0	574.2	564.6	559.2	551.4	560.4	562.2	576.6	582.6
30°	579.6	537.0	502.8	481.8	461.4	464.4	457.8	468.6	473.4	488.4	493.2
32.5°	478.8	438.6	404.4	383.4	369.0	370.8	366.0	375.6	380.4	398.4	407.4
35°	396.0	361.8	334.2	316.2	309.6	303.0	301.8	303.0	307.8	321.6	337.8
37.5°	348.6	320.4	300.6	287.4	278.4	274.2	271.8	271.8	271.8	274.8	282.6
40°	328.2	303.0	285.6	273.0	267.0	264.6	262.8	261.0	258.0	256.8	257.4
42.5°	319.2	290.4	271.8	262.2	258.6	258.6	258.6	257.4	254.4	251.4	248.4
45°	310.2	279.0	260.4	253.8	252.0	252.6	252.6	252.6	250.2	246.6	241.2
47.5°	298.8	266.4	247.8	243.6	243.6	245.4	246.0	246.0	243.6	240.0	235.8
50°	285.0	250.2	233.4	229.8	228.0	228.0	228.0	228.0	226.2	223.8	220.8
52.5°	277.8	241.2	223.8	220.2	220.2	218.4	217.8	216.0	214.2	212.4	208.2
55°	275.4	237.6	219.6	216.6	216.6	214.8	213.0	211.2	208.2	205.2	201.0
57.5°	268.8	229.8	214.2	211.8	211.8	210.6	208.8	207.0	204.0	199.8	194.4
60°	253.8	216.6	203.4	202.8	202.8	202.2	201.0	201.0	198.0	193.8	187.2
62.5°	234.6	202.8	190.2	190.2	189.6	189.0	186.6	186.0	182.4	177.0	171.0
65°	216.0	190.8	182.4	180.0	178.8	177.0	175.8	172.8	169.8	165.0	159.0
67.5°	192.6	172.8	167.4	165.0	162.6	160.8	159.0	157.2	153.6	150.0	145.2
70°	167.4	153.0	150.0	149.4	146.4	144.6	144.0	142.2	138.6	135.0	129.0
72.5°	143.4	135.0	132.6	132.6	129.0	126.6	125.4	124.8	122.4	119.4	114.0
75°	115.8	109.8	109.2	112.2	112.2	110.4	109.2	110.4	106.8	105.0	99.6
77.5°	94.8	91.8	90.0	91.2	94.8	93.0	90.6	90.6	90.6	87.6	85.8
80°	80.4	78.0	76.2	77.4	76.8	76.2	75.0	72.6	72.6	72.6	72.0
82.5°	72.6	72.0	65.4	65.4	63.0	61.2	60.0	58.8	57.6	57.6	60.6
85°	54.6	56.4	52.8	52.2	49.2	46.8	44.4	43.2	42.0	43.8	49.8
87.5°	26.4	26.4	25.2	28.2	25.8	24.6	22.8	21.6	22.8	28.2	33.6
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°	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6
2.5°	976.2	975.6	975.0	973.8	971.4	970.8	969.6	969.6	969.0	967.8	969.0
5°	974.4	975.6	975.6	975.0	973.2	974.4	974.4	976.2	976.2	977.4	980.4
7.5°	972.0	975.0	977.4	979.2	981.6	983.4	987.0	992.4	994.8	999.0	1000.8
10°	967.2	972.6	976.8	982.2	988.2	994.8	1000.2	1008.6	1011.6	1017.6	1020.6
12.5°	953.4	962.4	969.6	980.4	990.6	1000.8	1010.4	1021.2	1026.6	1033.2	1037.4
15°	919.8	930.0	940.2	949.8	967.8	987.6	1003.2	1017.6	1025.4	1033.8	1038.0
17.5°	879.6	886.2	894.6	907.2	924.6	942.0	967.2	987.6	999.6	1009.2	1010.4
20°	832.8	842.4	848.4	853.2	867.0	879.0	906.0	929.4	945.0	956.4	959.4
22.5°	761.4	771.6	781.8	785.4	796.2	811.8	826.8	852.0	874.2	891.0	901.2
25°	679.8	689.4	703.2	714.0	716.4	729.0	744.0	772.8	795.6	822.6	834.6
27.5°	598.2	606.6	621.6	627.6	634.8	647.4	659.4	683.4	707.4	738.6	751.8
30°	502.8	520.8	538.2	549.6	555.6	570.6	579.0	602.4	624.6	647.4	666.6
32.5°	421.2	437.4	457.2	471.6	478.8	490.2	503.4	523.2	540.6	562.8	585.0
35°	346.2	368.4	381.6	394.2	412.8	418.2	431.4	449.4	459.6	483.6	508.8
37.5°	293.4	306.6	319.8	332.4	348.0	355.2	367.8	382.8	394.8	409.2	432.0
40°	261.0	268.2	277.8	286.2	297.6	306.6	313.2	325.8	334.8	349.2	365.4
42.5°	246.0	247.8	249.0	255.0	261.0	267.0	274.2	279.6	290.4	301.2	311.4
45°	237.6	234.0	232.2	232.8	235.2	238.8	244.8	250.8	258.0	264.6	270.6
47.5°	230.4	225.6	220.2	217.2	217.8	219.0	223.8	228.6	232.2	237.6	240.0
50°	213.6	209.4	204.6	200.4	201.0	201.6	205.8	209.4	211.8	213.6	216.6
52.5°	202.8	196.8	192.6	188.4	187.8	189.6	193.2	196.8	198.0	199.2	199.8
55°	195.0	189.0	183.6	179.4	177.6	181.8	183.0	187.8	189.6	189.6	190.2
57.5°	189.0	181.8	176.4	172.2	169.2	172.2	175.2	180.6	181.2	180.0	180.0
60°	180.0	174.6	169.2	165.0	162.0	164.4	166.8	172.8	172.8	169.8	169.2
62.5°	164.4	161.4	157.8	156.0	155.4	157.8	159.6	164.4	162.6	159.0	157.8
65°	153.0	150.6	147.0	145.8	145.2	148.8	149.4	152.4	150.0	148.2	147.6
67.5°	139.2	137.4	135.6	135.0	133.2	133.2	134.4	136.2	135.0	135.0	135.6
70°	123.6	121.2	119.4	120.0	118.8	118.8	119.4	120.6	120.0	121.2	122.4
72.5°	109.2	106.2	105.6	105.6	104.4	105.0	105.0	105.6	106.8	107.4	110.4
75°	95.4	92.4	92.4	91.8	91.8	91.8	92.4	93.6	94.8	95.4	96.6
77.5°	82.8	81.0	81.6	81.0	81.0	81.0	81.0	82.8	83.4	84.0	85.8
80°	71.4	71.4	72.0	72.0	71.4	70.8	71.4	72.6	73.2	73.8	74.4
82.5°	64.8	65.4	65.4	65.4	62.4	61.2	63.0	64.2	65.4	66.0	67.2
85°	55.8	53.4	55.8	55.2	51.0	50.4	50.4	51.0	52.2	51.0	51.0
87.5°	36.0	32.4	34.2	34.2	30.0	24.6	31.2	33.6	30.0	31.8	31.8
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°	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6
2.5°	970.8	969.6	970.2	970.2	971.4	969.6	972.0	974.4	975.0	975.0	975.6
5°	983.4	982.2	986.4	984.6	988.8	988.2	991.2	993.6	994.8	994.8	994.8
7.5°	1003.2	1007.4	1009.8	1016.4	1017.0	1020.6	1023.6	1026.6	1025.4	1026.0	1025.4
10°	1025.4	1030.8	1036.8	1043.4	1044.0	1048.2	1053.0	1056.0	1054.8	1054.2	1052.4
12.5°	1044.6	1048.2	1055.4	1062.0	1065.6	1072.2	1077.0	1079.4	1079.4	1077.6	1075.8
15°	1043.4	1048.8	1056.6	1066.2	1072.8	1082.4	1090.8	1096.2	1096.8	1095.0	1094.4
17.5°	1017.0	1024.8	1032.0	1045.2	1057.2	1070.4	1084.2	1092.0	1099.2	1103.4	1105.8
20°	969.6	979.2	989.4	1006.8	1023.0	1040.4	1056.6	1068.0	1078.8	1091.4	1106.4
22.5°	913.8	928.2	942.6	964.8	984.6	1004.4	1023.0	1036.8	1053.6	1075.2	1103.4
25°	848.4	863.4	881.4	907.2	932.4	961.2	988.8	1016.4	1048.8	1086.0	1129.8
27.5°	771.0	787.8	811.2	842.4	871.2	900.6	943.8	987.6	1040.4	1088.4	1138.2
30°	694.2	715.8	741.0	772.2	801.0	843.0	886.2	940.2	996.0	1050.0	1109.4
32.5°	611.4	638.4	669.6	695.4	727.8	770.4	813.6	871.2	930.6	994.2	1059.6
35°	531.6	557.4	582.0	610.8	643.2	683.4	725.4	780.6	855.6	923.4	1001.4
37.5°	450.6	474.6	492.0	514.8	543.0	587.4	632.4	696.0	766.8	850.2	928.2
40°	379.8	399.6	419.4	437.4	461.4	503.4	551.4	613.8	683.4	764.4	851.4
42.5°	323.4	338.4	360.0	381.6	402.0	438.0	483.0	544.2	613.2	696.0	783.0
45°	276.0	286.2	303.6	321.6	346.8	376.8	420.0	482.4	552.6	636.0	727.8
47.5°	241.8	246.6	258.6	277.2	300.6	330.0	367.2	423.6	492.0	576.0	672.6
50°	218.4	223.8	229.8	245.4	266.4	296.4	327.0	376.2	438.6	520.8	616.8
52.5°	202.2	204.6	207.0	216.6	235.8	261.0	293.4	330.6	393.6	472.2	558.6
55°	192.6	193.2	195.0	199.8	214.2	237.6	265.8	301.2	350.4	424.8	513.0
57.5°	181.2	182.4	184.2	187.2	196.2	217.2	241.2	270.0	310.8	373.2	457.8
60°	170.4	173.4	176.4	178.2	183.0	195.6	216.0	238.8	271.8	318.6	385.8
62.5°	159.0	162.6	165.0	166.8	168.6	176.4	191.4	206.4	226.8	257.4	307.8
65°	148.8	151.2	153.0	154.2	155.4	157.8	164.4	170.4	176.4	195.0	231.6
67.5°	137.4	138.6	139.2	139.8	139.2	139.2	139.8	142.2	144.6	151.8	169.2
70°	124.2	126.0	126.0	126.6	126.6	124.8	124.8	124.8	124.8	126.6	136.2
72.5°	111.6	114.0	114.0	114.6	114.0	113.4	113.4	113.4	115.2	116.4	120.0
75°	99.6	102.0	101.4	102.0	102.6	102.6	103.8	104.4	106.2	106.8	109.2
77.5°	87.6	89.4	90.0	89.4	90.6	91.8	94.2	95.4	96.0	96.6	97.2
80°	76.2	77.4	76.8	75.0	78.0	79.8	83.4	87.6	86.4	87.0	88.2
82.5°	63.0	61.2	60.0	61.2	63.0	65.4	69.0	74.4	75.0	78.0	77.4
85°	48.6	43.2	42.6	45.6	45.0	48.0	54.0	58.2	61.8	64.8	61.8
87.5°	28.8	25.8	21.6	20.4	22.2	29.4	30.6	37.2	40.2	41.4	37.2
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°	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6
2.5°	1030.2	1033.2	1033.2	1034.4	1036.2	1036.8	1039.2	1043.4	1044.0	1044.0	1045.8
5°	1049.4	1052.4	1052.4	1054.8	1055.4	1058.4	1061.4	1066.2	1068.6	1068.0	1075.8
7.5°	1080.6	1078.2	1076.4	1080.0	1081.8	1085.4	1091.4	1095.6	1099.8	1106.4	1117.2
10°	1107.0	1103.4	1101.6	1104.0	1105.2	1109.4	1113.0	1119.0	1129.2	1139.4	1152.6
12.5°	1128.6	1124.4	1119.6	1120.8	1122.6	1128.0	1134.0	1141.8	1156.8	1170.0	1189.8
15°	1146.6	1140.6	1135.8	1138.2	1142.4	1149.6	1159.8	1173.6	1198.2	1221.0	1247.4
17.5°	1164.0	1162.8	1161.0	1168.8	1171.8	1188.6	1203.6	1228.8	1262.4	1296.6	1334.4
20°	1180.8	1194.0	1200.6	1216.2	1225.8	1248.6	1271.4	1302.0	1344.6	1391.4	1443.0
22.5°	1204.2	1240.2	1262.4	1294.2	1310.4	1335.0	1368.6	1408.8	1456.2	1516.2	1582.2
25°	1260.0	1312.8	1357.2	1407.0	1447.8	1485.6	1525.8	1574.4	1642.8	1697.4	1783.8
27.5°	1284.6	1359.0	1425.6	1495.8	1557.0	1615.2	1678.8	1737.6	1818.6	1892.4	1996.8
30°	1261.2	1345.2	1431.6	1523.4	1612.8	1701.0	1793.4	1883.4	1977.0	2080.2	2191.2
32.5°	1218.0	1312.2	1409.4	1517.4	1628.4	1743.0	1863.0	1993.8	2125.8	2254.2	2367.6
35°	1174.2	1275.6	1383.6	1507.2	1638.0	1780.2	1929.0	2094.6	2269.2	2431.8	2580.0
37.5°	1110.6	1222.2	1345.8	1488.6	1644.0	1819.2	2010.6	2214.6	2435.4	2659.2	2853.6
40°	1033.8	1152.0	1287.0	1451.4	1638.0	1859.4	2108.4	2370.0	2653.8	2926.8	3165.6
42.5°	963.6	1078.8	1222.8	1401.6	1622.4	1894.8	2201.4	2527.2	2863.2	3168.6	3480.6
45°	901.8	1029.0	1173.6	1366.8	1614.6	1924.8	2270.4	2644.8	3029.4	3393.0	3761.4
47.5°	845.4	977.4	1139.4	1347.6	1611.0	1942.8	2318.4	2721.6	3147.6	3565.2	3993.0
50°	787.2	915.6	1089.0	1326.6	1602.0	1942.2	2343.6	2773.8	3230.4	3699.0	4152.6
52.5°	724.8	853.8	1027.8	1288.2	1582.8	1931.4	2350.2	2809.2	3295.8	3781.2	4288.2
55°	667.8	788.4	962.4	1224.0	1542.6	1905.0	2335.2	2824.2	3342.0	3862.8	4383.6
57.5°	602.4	727.8	893.4	1135.8	1467.0	1858.2	2292.6	2803.2	3355.2	3917.4	4459.2
60°	512.4	635.4	805.8	1031.4	1348.8	1759.2	2213.4	2739.6	3313.2	3927.0	4513.2
62.5°	409.2	515.4	679.8	887.4	1182.6	1603.8	2067.0	2596.8	3182.4	3837.0	4485.6
65°	304.2	375.0	516.6	699.0	990.0	1369.8	1831.2	2357.4	2926.8	3586.8	4312.2
67.5°	211.8	262.8	349.8	485.4	720.0	1057.8	1494.6	1983.6	2531.4	3123.6	3952.2
70°	160.2	183.6	231.0	306.6	466.2	720.6	1086.6	1522.2	2030.4	2601.0	3381.6
72.5°	136.8	148.8	175.2	210.0	285.6	438.0	682.2	1047.6	1498.2	1962.6	2594.4
75°	123.0	133.2	150.0	172.2	202.2	265.8	400.2	663.0	992.4	1314.6	1810.2
77.5°	111.6	120.6	135.6	147.0	163.2	191.4	255.0	396.6	594.6	812.4	1123.2
80°	99.6	105.0	118.8	130.2	142.8	159.0	183.0	249.0	341.4	481.2	662.4
82.5°	85.2	89.4	99.6	115.2	124.8	131.4	138.6	165.0	204.6	261.0	367.8
85°	66.0	69.0	78.0	89.4	93.6	94.2	95.4	102.6	127.2	195.6	316.8
87.5°	33.6	37.2	46.8	50.4	42.6	46.2	46.8	49.8	66.0	107.4	109.2
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°	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	0°
2.5°	1045.8	1047.6	1051.8	1051.2	1054.2	1054.2	1054.2	1057.2	1055.4	1057.2	1060.2	2.5°
5°	1075.8	1078.8	1084.8	1084.8	1085.4	1083.6	1087.2	1089.6	1086.6	1085.4	1086.0	5°
7.5°	1119.6	1124.4	1129.2	1134.0	1137.6	1135.8	1136.4	1131.0	1129.8	1125.6	1120.2	7.5°
10°	1162.2	1175.4	1184.4	1192.8	1193.4	1191.6	1192.2	1183.2	1181.4	1173.0	1167.6	10°
12.5°	1206.0	1222.8	1237.2	1246.2	1251.6	1252.8	1253.4	1253.4	1245.0	1237.8	1225.2	12.5°
15°	1270.8	1300.2	1322.4	1332.0	1339.8	1347.0	1348.8	1351.2	1344.6	1335.0	1333.2	15°
17.5°	1373.4	1401.0	1430.4	1456.2	1473.6	1474.8	1489.8	1488.6	1502.4	1491.6	1488.6	17.5°
20°	1495.2	1555.2	1585.8	1620.0	1639.8	1649.4	1684.2	1673.4	1683.6	1701.0	1683.6	20°
22.5°	1647.6	1723.8	1768.2	1815.0	1847.4	1870.8	1896.0	1915.8	1943.4	1956.6	1944.6	22.5°
25°	1849.8	1936.8	1989.6	2054.4	2106.0	2148.0	2191.8	2244.6	2244.0	2275.8	2298.0	25°
27.5°	2082.0	2193.0	2269.8	2383.8	2428.2	2499.0	2574.0	2655.6	2670.0	2711.4	2732.4	27.5°
30°	2300.4	2437.8	2590.2	2725.8	2879.4	2984.4	3071.4	3129.0	3216.0	3194.4	3182.4	30°
32.5°	2502.0	2685.0	2902.2	3124.8	3368.4	3534.6	3688.2	3759.6	3813.6	3699.0	3547.2	32.5°
35°	2763.6	2982.6	3231.0	3505.8	3815.4	4051.2	4209.6	4231.8	4201.2	4054.2	3802.8	35°
37.5°	3087.6	3317.4	3600.0	3890.4	4219.2	4440.6	4621.2	4653.6	4572.6	4310.4	4046.4	37.5°
40°	3407.4	3676.8	3983.4	4327.2	4668.0	4911.6	5092.8	5102.4	4970.4	4663.8	4354.8	40°
42.5°	3757.2	4051.8	4393.2	4774.2	5126.4	5373.0	5503.8	5545.2	5358.6	4965.6	4669.2	42.5°
45°	4059.0	4411.2	4791.6	5196.6	5565.0	5799.0	5932.2	5919.0	5693.4	5305.2	4957.8	45°
47.5°	4353.0	4740.6	5141.4	5571.6	5937.6	6174.0	6310.8	6298.8	6012.6	5565.6	5183.4	47.5°
50°	4614.6	5035.2	5463.6	5923.2	6288.0	6504.6	6672.0	6619.2	6257.4	5775.0	5328.6	50°
52.5°	4796.4	5265.6	5713.2	6210.0	6585.6	6790.8	7003.8	6834.0	6402.0	5903.4	5406.6	52.5°
55°	4911.6	5424.0	5890.8	6440.4	6809.4	7054.8	7192.2	6951.0	6457.8	5938.8	5433.6	55°
57.5°	4989.6	5511.0	5995.2	6573.6	7011.0	7216.8	7250.4	6955.2	6421.8	5883.0	5406.6	57.5°
60°	5028.0	5536.8	6042.6	6667.2	7152.6	7265.4	7204.2	6858.0	6297.6	5719.2	5232.6	60°
62.5°	5023.8	5504.4	6018.0	6698.4	7180.8	7195.2	7056.0	6692.4	6069.0	5375.4	4943.4	62.5°
65°	4917.0	5386.2	5879.4	6582.6	7049.4	6987.6	6812.4	6381.6	5624.4	4926.6	4708.2	65°
67.5°	4609.2	5059.2	5517.0	6203.4	6679.2	6619.2	6354.0	5770.8	5107.8	4529.4	4411.8	67.5°
70°	4094.4	4476.0	4878.0	5481.0	5980.2	5899.2	5435.4	5080.8	4596.0	4070.4	4029.6	70°
72.5°	3423.0	3712.2	4003.8	4452.6	4796.4	4630.8	4339.2	4320.6	3928.8	3527.4	3535.8	72.5°
75°	2677.2	2894.4	3030.6	3294.6	3523.2	3375.0	3392.4	3495.6	3366.6	3050.4	2947.8	75°
77.5°	1939.8	2148.0	2191.2	2347.8	2508.6	2677.2	2900.4	3143.4	3184.2	3006.6	2634.6	77.5°
80°	1269.6	1498.8	1413.6	1469.4	1695.6	2003.4	2410.8	2811.0	2948.4	2788.8	2331.0	80°
82.5°	748.8	1069.8	934.2	1029.6	1173.0	1441.2	1722.6	2024.4	2254.2	2084.4	1947.0	82.5°
85°	568.8	843.6	893.4	1009.2	1056.0	1067.4	1116.6	1215.0	1333.8	1378.2	1374.6	85°
87.5°	296.4	655.8	736.2	681.0	635.4	550.8	429.6	462.6	423.0	578.4	547.8	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°
1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6
1060.8	1059.0	1060.2	1060.8	1060.8	1060.8	1062.0
1085.4	1080.6	1078.8	1078.8	1078.2	1076.4	1075.8
1111.8	1103.4	1100.4	1096.8	1093.8	1092.0	1089.0
1159.2	1152.0	1137.0	1128.6	1120.8	1115.4	1110.6
1222.8	1212.6	1198.2	1187.4	1175.4	1171.8	1165.8
1321.2	1312.2	1299.6	1287.6	1280.4	1267.8	1258.8
1474.8	1456.8	1444.2	1428.6	1411.2	1385.4	1372.8
1677.0	1641.0	1615.8	1602.0	1567.2	1563.0	1532.4
1909.2	1898.4	1860.0	1843.2	1809.6	1796.4	1748.4
2256.6	2248.2	2169.6	2161.2	2109.6	2071.2	1996.8
2713.2	2644.2	2555.4	2493.6	2405.4	2306.4	2179.8
3112.2	2971.2	2835.6	2691.6	2569.8	2427.6	2284.2
3366.6	3177.6	3003.0	2855.4	2704.8	2535.6	2351.4
3589.8	3399.0	3208.8	3034.2	2851.8	2635.2	2407.8
3856.8	3667.2	3453.0	3207.6	2973.6	2708.4	2430.6
4130.4	3908.4	3640.8	3340.2	3046.2	2744.4	2426.4
4410.6	4126.8	3771.0	3428.4	3092.4	2749.8	2398.2
4638.0	4279.2	3867.6	3473.4	3102.0	2731.2	2362.8
4798.8	4377.0	3910.8	3489.0	3090.0	2701.8	2314.8
4890.6	4430.4	3921.6	3477.6	3065.4	2659.8	2262.6
4924.2	4446.6	3910.8	3454.2	3043.2	2614.8	2226.0
4920.6	4437.6	3871.2	3399.6	2983.8	2554.8	2181.0
4852.8	4354.2	3790.2	3334.2	2933.4	2527.2	2184.0
4737.6	4301.4	3766.2	3347.4	2959.8	2586.6	2278.8
4685.4	4407.0	3901.2	3479.4	3095.4	2756.4	2474.4
4656.0	4578.6	4094.4	3621.6	3256.2	2962.2	2707.8
4536.0	4627.8	4204.2	3702.6	3399.6	3168.6	2941.2
4342.2	4513.2	4120.8	3687.0	3478.8	3327.0	3025.2
3937.8	4118.4	3749.4	3457.2	3379.8	3329.4	2899.2
3190.2	3283.8	3073.8	3007.8	3036.6	3037.2	2431.8
2352.6	2296.2	2201.4	2206.2	2400.0	2370.0	1733.4
1920.6	1572.0	1437.6	1488.6	1728.0	1599.0	1089.0
1787.4	1402.2	1157.4	1169.4	1305.0	1030.2	655.8
1445.4	1278.0	1024.8	919.8	892.8	686.4	445.2
604.8	556.2	414.0	373.2	306.0	187.2	85.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)