

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: P141561

Luminaire Tested: **ECM-E03-LED-E1-SLR-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141561
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ECM-E03-LED-E1-SLR-7050
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8051.4 lumens
Efficiency: N/A
Efficacy: 107.1 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

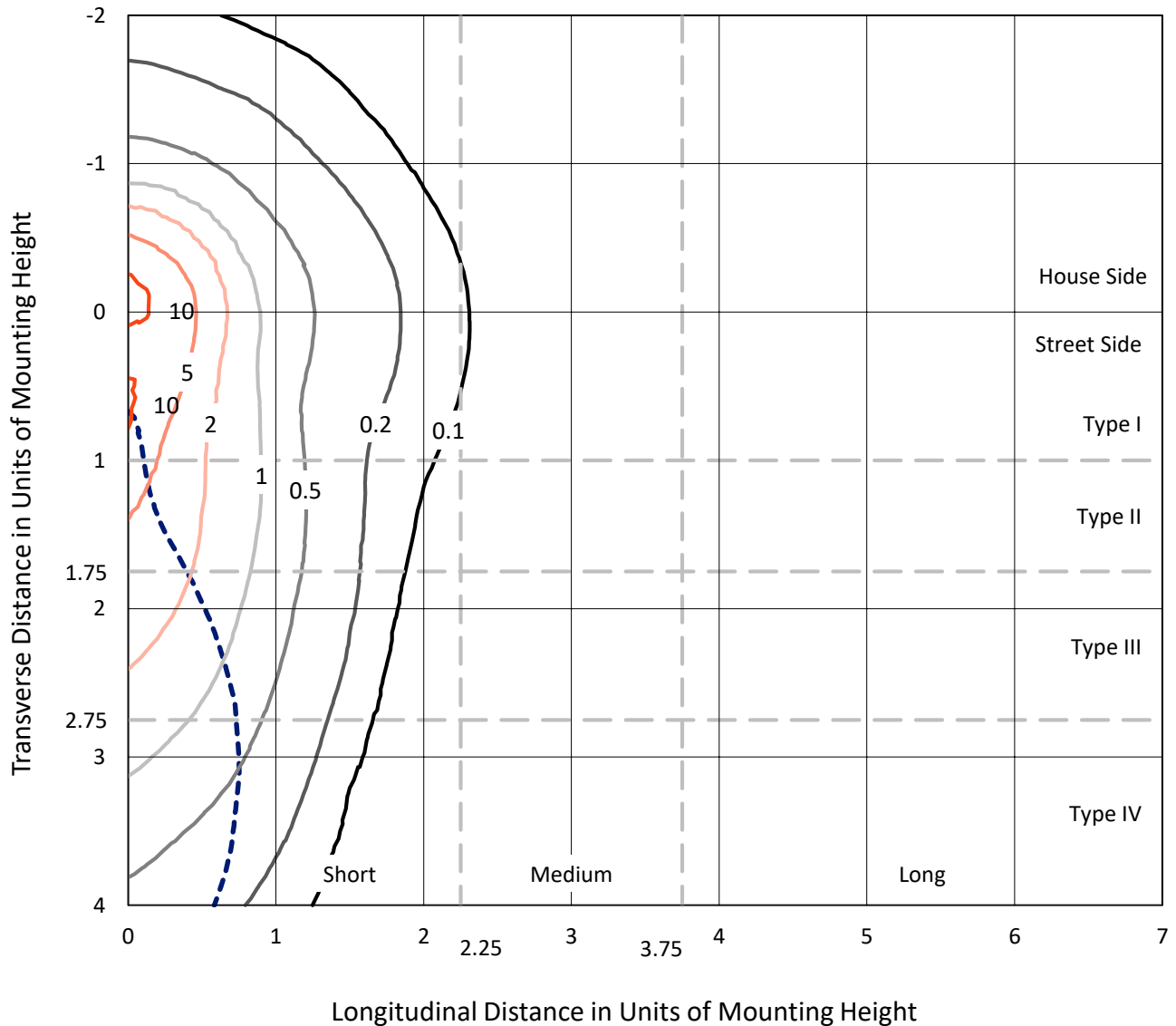
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

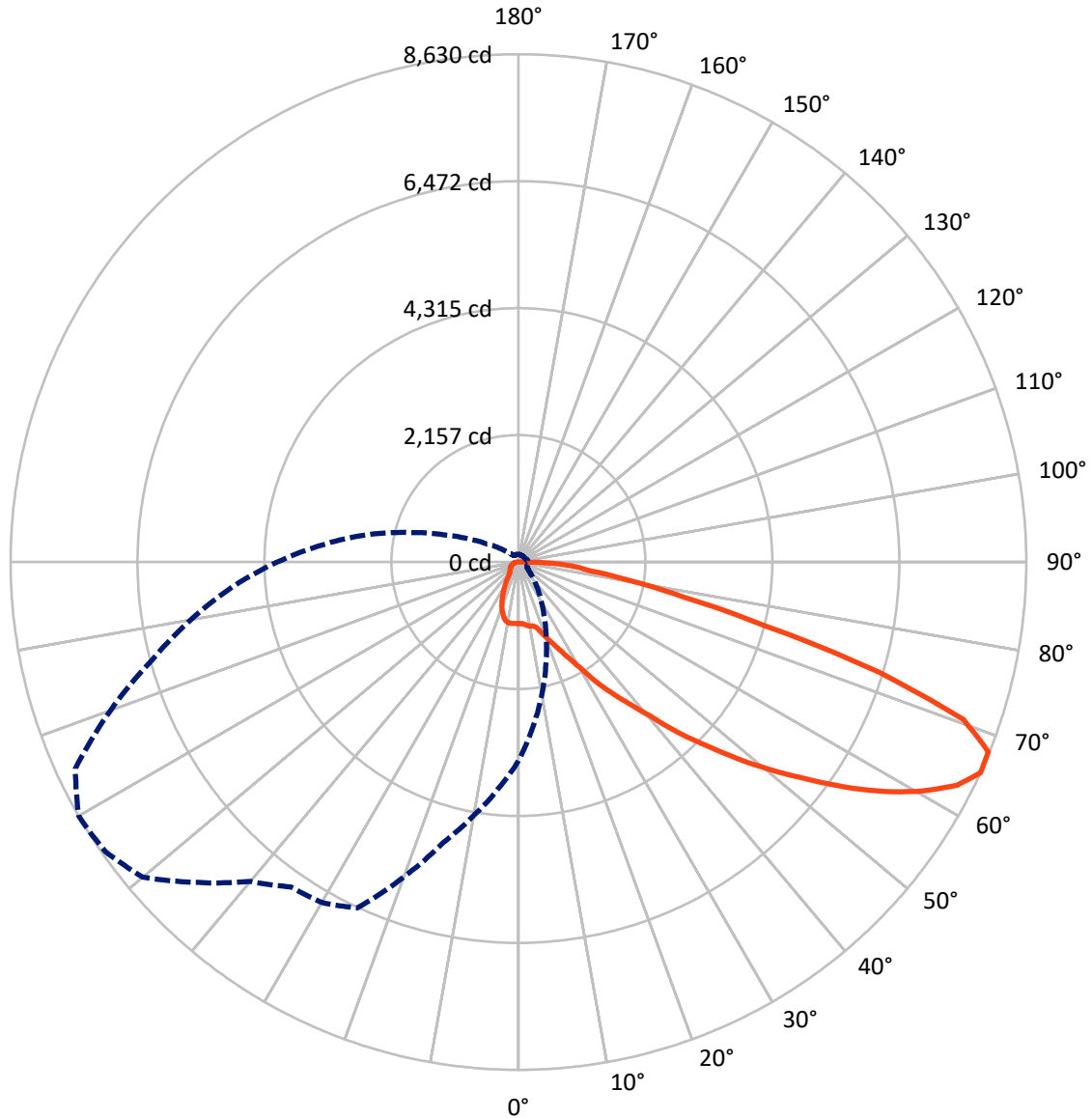
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1493.4	0.0	1493.4
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	6558.1	0.0	6558.1
	% Fixture	81.5	0.0	81.5
Total	Lumens	8051.4	0.0	8051.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	1.3
10°-20°	304.1	3.8
20°-30°	505.3	6.3
30°-40°	738.6	9.2
40°-50°	1123.6	14.0
50°-60°	1615.1	20.1
60°-70°	1985.7	24.7
70°-80°	1328.4	16.5
80°-90°	349.5	4.3
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°	8051.4	100.0
0°-180°	8051.4	100.0



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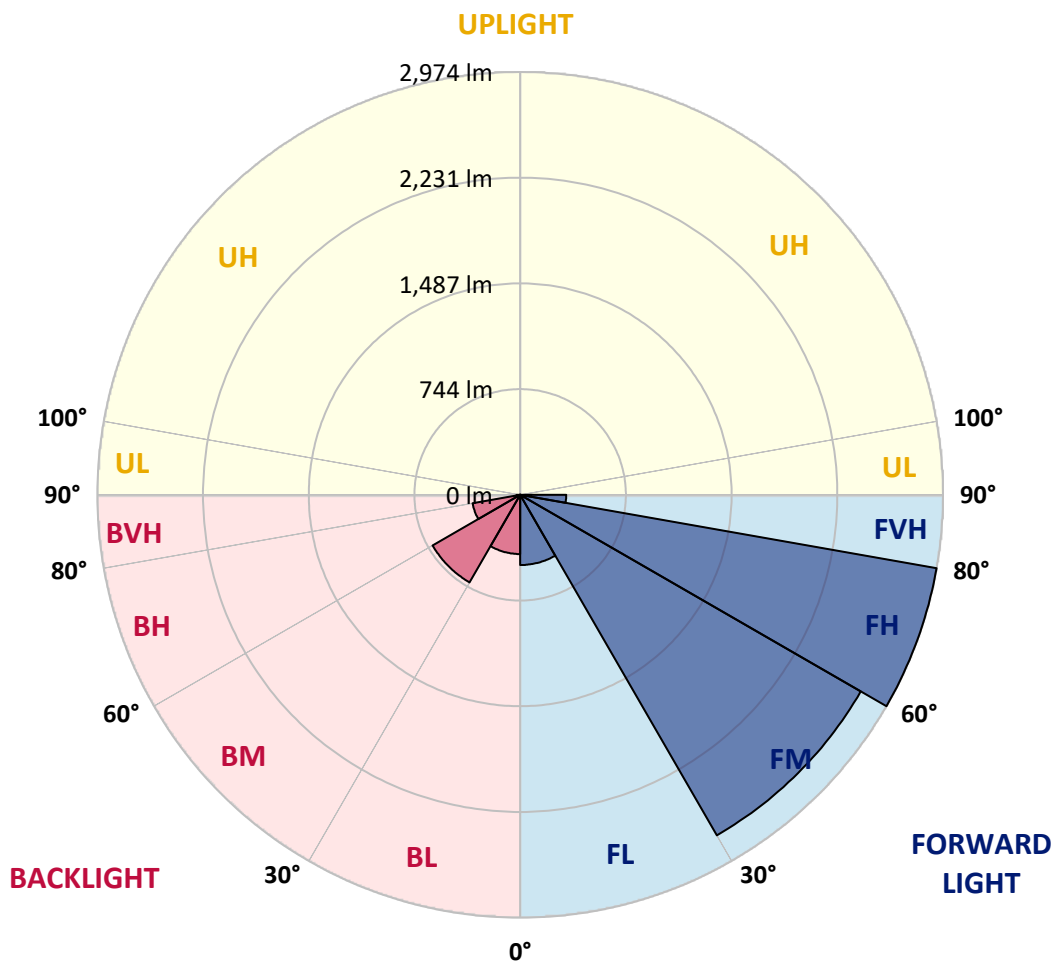
CATALOG NUMBER: ECM-E03-LED-E1-SLR-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	493.9	6.1			
FM	(30°-60°)	2766.0	34.4			
FH	(60°-80°)	2974.2	36.9			G2/5000
FVH	(80°-90°)	324.1	4.0			G3/500
BL	(0°-30°)	416.8	5.2	B1/500		
BM	(30°-60°)	711.3	8.8	B1/1000		
BH	(60°-80°)	339.9	4.2	B1/500		G1/500
BVH	(80°-90°)	25.4	0.3			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°	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6
2.5°	1047.7	1050.7	1050.7	1048.7	1047.7	1048.7	1049.7	1048.7	1049.7	1051.8	1050.7
5°	1034.3	1036.4	1037.4	1037.4	1037.4	1039.4	1042.5	1041.5	1044.6	1046.6	1046.6
7.5°	1002.5	1006.6	1006.6	1007.6	1009.7	1012.8	1017.9	1019.9	1025.1	1032.3	1034.3
10°	983.0	984.0	981.0	979.9	982.0	988.1	991.2	996.3	1004.6	1012.8	1021.0
12.5°	988.1	989.2	984.0	985.1	985.1	988.1	997.4	1001.5	1004.6	1009.7	1017.9
15°	1030.2	1030.2	1024.1	1026.1	1027.1	1031.2	1031.2	1024.1	1022.0	1016.9	1012.8
17.5°	1086.6	1078.4	1077.4	1076.4	1080.5	1076.4	1067.1	1050.7	1031.2	1010.7	994.3
20°	1145.1	1146.2	1140.0	1139.0	1127.7	1113.3	1086.6	1053.8	1018.9	987.1	954.3
22.5°	1232.4	1234.4	1223.1	1200.5	1175.9	1138.0	1089.7	1039.4	989.2	945.0	907.1
25°	1364.7	1343.2	1317.5	1270.3	1207.7	1141.0	1074.3	1011.7	946.1	887.6	839.4
27.5°	1496.1	1453.0	1384.2	1307.3	1219.0	1132.8	1053.8	969.7	891.7	820.9	765.5
30°	1618.2	1538.1	1439.6	1329.8	1217.0	1106.1	1005.6	910.2	817.8	741.9	676.2
32.5°	1742.3	1625.4	1488.9	1335.0	1186.2	1053.8	937.9	828.1	736.7	644.4	573.6
35°	1898.3	1721.8	1518.6	1315.5	1132.8	971.7	847.6	742.9	644.4	551.0	477.1
37.5°	2040.9	1798.8	1534.0	1282.6	1063.0	886.6	750.1	643.4	551.0	472.0	408.4
40°	2145.6	1849.0	1532.0	1240.6	992.2	799.3	664.9	568.5	485.3	422.8	373.5
42.5°	2227.7	1877.8	1521.7	1200.5	930.7	735.7	609.5	521.3	455.6	405.3	367.3
45°	2284.1	1898.3	1515.6	1168.7	889.6	704.9	591.0	517.2	461.7	416.6	373.5
47.5°	2333.4	1921.9	1513.5	1154.4	880.4	714.2	615.7	549.0	488.4	429.9	372.5
50°	2382.6	1945.5	1532.0	1178.0	915.3	765.5	673.1	588.0	504.8	425.8	355.0
52.5°	2450.3	2014.2	1600.7	1245.7	991.2	837.3	727.5	619.8	507.9	415.6	338.6
55°	2551.9	2121.0	1699.2	1335.0	1073.3	915.3	771.6	632.1	504.8	404.3	323.2
57.5°	2718.2	2278.0	1833.7	1459.1	1180.0	975.8	796.3	637.2	497.7	392.0	310.9
60°	2928.5	2457.5	2003.0	1589.4	1271.3	1017.9	806.5	635.2	487.4	377.6	293.5
62.5°	3167.6	2654.5	2155.8	1708.5	1337.0	1037.4	802.4	618.7	463.8	347.8	268.8
65°	3377.9	2811.5	2284.1	1803.9	1378.1	1037.4	776.8	580.8	421.7	305.8	237.0
67.5°	3550.3	2943.9	2382.6	1859.3	1382.2	1001.5	715.2	512.0	355.0	253.4	200.1
70°	3640.6	2986.0	2413.4	1853.1	1313.4	897.8	602.3	398.1	260.6	197.0	161.1
72.5°	3541.1	2886.4	2282.1	1674.6	1095.9	670.0	421.7	270.9	186.8	152.9	133.4
75°	3151.2	2449.3	1899.3	1294.9	785.0	417.6	261.7	189.8	147.8	127.2	117.0
77.5°	2352.9	1825.4	1307.3	819.9	449.4	253.4	183.7	144.7	124.2	111.8	102.6
80°	1479.6	1124.6	786.0	451.5	256.5	186.8	152.9	129.3	112.9	97.5	88.2
82.5°	824.0	599.2	400.2	257.6	178.5	150.8	132.4	119.0	100.6	85.2	75.9
85°	563.3	370.4	252.4	169.3	123.1	109.8	98.5	90.3	77.0	64.6	59.5
87.5°	228.8	213.4	154.9	67.7	50.3	45.1	40.0	49.3	41.0	31.8	29.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6
2.5°	1052.8	1050.7	1051.8	1050.7	1049.7	1048.7	1047.7	1048.7	1046.6	1047.7	1047.7
5°	1049.7	1047.7	1050.7	1049.7	1047.7	1047.7	1046.6	1046.6	1046.6	1046.6	1047.7
7.5°	1040.5	1040.5	1043.5	1043.5	1041.5	1041.5	1039.4	1038.4	1038.4	1039.4	1041.5
10°	1028.2	1031.2	1036.4	1034.3	1030.2	1028.2	1025.1	1023.0	1022.0	1024.1	1026.1
12.5°	1018.9	1021.0	1017.9	1014.8	1008.7	1001.5	1000.5	995.3	992.2	997.4	997.4
15°	1003.5	995.3	984.0	973.8	959.4	952.2	944.0	942.0	934.8	935.8	940.9
17.5°	970.7	949.1	931.7	921.4	909.1	904.0	894.8	889.6	884.5	879.4	882.5
20°	924.5	900.9	878.3	865.0	845.5	841.4	826.0	826.0	819.9	820.9	827.0
22.5°	866.0	830.1	801.4	785.0	764.4	756.2	749.1	743.9	740.8	747.0	739.8
25°	789.1	746.0	719.3	695.7	673.1	664.9	655.7	652.6	653.6	649.5	656.7
27.5°	710.1	656.7	628.0	601.3	584.9	570.5	563.3	561.3	557.2	568.5	562.3
30°	610.5	562.3	528.4	500.7	481.2	474.1	466.9	464.8	471.0	462.8	458.7
32.5°	510.0	457.6	428.9	405.3	390.9	376.6	374.5	370.4	363.2	372.5	370.4
35°	418.7	374.5	344.8	330.4	310.9	304.8	292.4	289.4	290.4	292.4	291.4
37.5°	363.2	332.5	305.8	286.3	271.9	263.7	259.6	255.5	255.5	253.4	252.4
40°	337.6	311.9	287.3	268.8	257.6	251.4	247.3	243.2	240.1	237.0	234.0
42.5°	333.5	302.7	275.0	256.5	246.3	244.2	243.2	240.1	236.0	230.9	226.8
45°	330.4	291.4	262.7	246.3	239.1	238.1	238.1	235.0	231.9	226.8	220.6
47.5°	320.1	277.0	249.3	237.0	234.0	235.0	234.0	230.9	228.8	223.7	216.5
50°	297.6	255.5	228.8	219.6	218.6	217.5	217.5	216.5	214.5	210.4	203.2
52.5°	278.1	236.0	214.5	208.3	206.2	206.2	204.2	203.2	199.1	196.0	190.9
55°	265.8	225.7	207.3	203.2	203.2	202.1	200.1	197.0	193.9	189.8	183.7
57.5°	254.5	217.5	202.1	199.1	200.1	199.1	197.0	195.0	190.9	185.7	178.5
60°	238.1	205.2	191.9	190.9	192.9	195.0	193.9	192.9	189.8	182.6	172.4
62.5°	214.5	184.7	174.4	176.5	178.5	180.6	179.6	178.5	175.5	169.3	160.1
65°	190.9	169.3	163.2	165.2	167.3	167.3	167.3	165.2	163.2	156.0	148.8
67.5°	168.3	154.9	152.9	154.9	156.0	156.0	157.0	154.9	151.9	146.7	139.6
70°	143.7	137.5	137.5	139.6	140.6	139.6	140.6	137.5	134.4	131.3	124.2
72.5°	128.3	128.3	127.2	127.2	127.2	125.2	124.2	122.1	119.0	115.9	109.8
75°	113.9	113.9	112.9	114.9	110.8	107.7	106.7	104.7	101.6	97.5	93.4
77.5°	97.5	95.4	95.4	98.5	97.5	93.4	90.3	89.3	85.2	81.1	79.0
80°	84.1	82.1	82.1	81.1	79.0	78.0	73.9	69.8	68.7	68.7	65.7
82.5°	73.9	72.9	69.8	67.7	64.6	61.6	58.5	56.4	53.4	52.3	53.4
85°	58.5	59.5	56.4	54.4	51.3	47.2	44.1	42.1	40.0	40.0	44.1
87.5°	33.9	31.8	31.8	30.8	29.8	26.7	26.7	23.6	22.6	28.7	29.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6
2.5°	1048.7	1048.7	1045.6	1047.7	1046.6	1047.7	1051.8	1047.7	1046.6	1049.7	1052.8
5°	1048.7	1050.7	1047.7	1049.7	1049.7	1052.8	1057.9	1054.8	1056.9	1061.0	1065.1
7.5°	1044.6	1047.7	1047.7	1051.8	1054.8	1060.0	1067.1	1065.1	1069.2	1075.4	1080.5
10°	1033.3	1038.4	1043.5	1049.7	1056.9	1065.1	1075.4	1075.4	1079.5	1087.7	1092.8
12.5°	1005.6	1018.9	1025.1	1039.4	1050.7	1063.0	1074.3	1081.5	1084.6	1091.8	1097.9
15°	950.2	966.6	978.9	996.3	1014.8	1032.3	1051.8	1058.9	1065.1	1068.2	1071.3
17.5°	886.6	897.8	906.1	928.6	949.1	965.6	984.0	993.3	1000.5	1000.5	1002.5
20°	834.2	839.4	841.4	841.4	853.7	869.1	892.7	889.6	895.8	889.6	895.8
22.5°	753.2	745.0	749.1	749.1	757.3	754.2	763.4	778.8	776.8	780.9	798.3
25°	654.7	655.7	648.5	648.5	649.5	651.6	655.7	659.8	674.2	689.5	700.8
27.5°	561.3	559.2	554.1	550.0	545.9	553.1	558.2	557.2	577.7	590.0	610.5
30°	458.7	458.7	459.7	457.6	461.7	456.6	464.8	466.9	484.3	497.7	516.1
32.5°	373.5	375.6	375.6	374.5	381.7	376.6	380.7	385.8	397.1	408.4	417.6
35°	296.5	299.6	307.8	310.9	314.0	309.9	315.0	321.2	322.2	332.5	339.6
37.5°	251.4	256.5	257.6	259.6	259.6	262.7	263.7	267.8	267.8	270.9	272.9
40°	231.9	229.8	228.8	227.8	225.7	226.8	227.8	230.9	231.9	234.0	234.0
42.5°	222.7	219.6	214.5	211.4	207.3	207.3	207.3	207.3	210.4	212.4	212.4
45°	214.5	209.3	204.2	199.1	196.0	193.9	195.0	196.0	198.0	199.1	200.1
47.5°	209.3	202.1	193.9	188.8	185.7	183.7	184.7	185.7	185.7	186.8	187.8
50°	195.0	187.8	180.6	175.5	172.4	171.4	171.4	170.3	171.4	172.4	172.4
52.5°	183.7	176.5	170.3	165.2	162.1	162.1	161.1	159.0	160.1	159.0	160.1
55°	177.5	168.3	161.1	156.0	152.9	152.9	150.8	151.9	151.9	149.8	150.8
57.5°	170.3	161.1	154.9	148.8	144.7	144.7	143.7	144.7	145.7	142.6	142.6
60°	163.2	154.9	147.8	142.6	137.5	138.5	137.5	139.6	139.6	136.5	136.5
62.5°	149.8	142.6	138.5	135.4	131.3	132.4	132.4	135.4	132.4	130.3	129.3
65°	139.6	134.4	128.3	128.3	124.2	126.2	126.2	126.2	123.1	122.1	123.1
67.5°	132.4	126.2	122.1	118.0	114.9	115.9	113.9	113.9	112.9	111.8	113.9
70°	119.0	113.9	111.8	107.7	105.7	102.6	101.6	101.6	101.6	100.6	101.6
72.5°	105.7	101.6	99.5	95.4	93.4	91.3	90.3	89.3	88.2	89.3	89.3
75°	89.3	87.2	85.2	83.1	81.1	80.0	79.0	79.0	78.0	77.0	78.0
77.5°	77.0	73.9	72.9	70.8	71.8	68.7	67.7	68.7	68.7	68.7	69.8
80°	65.7	63.6	63.6	61.6	60.5	58.5	59.5	59.5	59.5	59.5	60.5
82.5°	57.5	55.4	55.4	54.4	51.3	49.3	50.3	52.3	52.3	51.3	53.4
85°	47.2	45.1	45.1	44.1	40.0	39.0	38.0	40.0	41.0	39.0	41.0
87.5°	30.8	28.7	27.7	27.7	23.6	16.4	21.5	23.6	23.6	19.5	22.6
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°	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6
2.5°	1051.8	1053.8	1053.8	1055.9	1060.0	1055.9	1053.8	1056.9	1056.9	1055.9	1055.9
5°	1065.1	1069.2	1070.2	1076.4	1079.5	1077.4	1079.5	1081.5	1082.5	1080.5	1082.5
7.5°	1082.5	1087.7	1092.8	1100.0	1106.1	1105.1	1108.2	1112.3	1113.3	1113.3	1115.4
10°	1096.9	1104.1	1109.2	1118.5	1125.6	1127.7	1130.8	1135.9	1141.0	1141.0	1145.1
12.5°	1100.0	1108.2	1113.3	1121.5	1133.8	1138.0	1145.1	1157.4	1162.6	1166.7	1169.8
15°	1073.3	1080.5	1087.7	1099.0	1113.3	1125.6	1142.1	1159.5	1174.9	1186.2	1190.3
17.5°	1003.5	1004.6	1011.7	1028.2	1057.9	1071.3	1091.8	1127.7	1149.2	1169.8	1189.3
20°	900.9	920.4	927.6	949.1	977.9	998.4	1022.0	1054.8	1087.7	1124.6	1157.4
22.5°	810.6	836.3	856.8	882.5	906.1	929.7	959.4	988.1	1024.1	1060.0	1099.0
25°	718.3	741.9	770.6	798.3	826.0	855.8	892.7	923.5	959.4	1001.5	1050.7
27.5°	629.0	653.6	685.4	718.3	740.8	780.9	811.6	856.8	897.8	944.0	999.4
30°	535.6	559.2	574.6	610.5	642.3	682.4	729.6	773.7	822.9	874.2	938.9
32.5°	434.0	448.4	470.0	494.6	531.5	573.6	622.8	670.0	737.8	801.4	863.0
35°	347.8	355.0	354.0	381.7	398.1	448.4	510.0	555.1	622.8	700.8	781.9
37.5°	274.0	272.9	279.1	283.2	303.7	336.6	384.8	443.3	521.3	605.4	686.5
40°	234.0	235.0	236.0	236.0	240.1	261.7	304.8	365.3	440.2	515.1	604.4
42.5°	215.5	217.5	218.6	220.6	222.7	229.8	260.6	317.1	380.7	460.7	540.8
45°	202.1	205.2	208.3	208.3	210.4	212.4	229.8	272.9	336.6	412.5	496.6
47.5°	190.9	193.9	196.0	197.0	199.1	201.1	210.4	240.1	301.7	370.4	457.6
50°	174.4	177.5	179.6	182.6	182.6	182.6	188.8	210.4	257.6	325.3	410.4
52.5°	161.1	163.2	166.2	168.3	169.3	170.3	173.4	185.7	221.6	285.3	365.3
55°	153.9	156.0	159.0	161.1	163.2	164.2	166.2	171.4	197.0	251.4	326.3
57.5°	144.7	147.8	151.9	153.9	156.0	157.0	158.0	160.1	177.5	218.6	280.1
60°	138.5	143.7	148.8	151.9	152.9	153.9	154.9	152.9	160.1	185.7	234.0
62.5°	131.3	136.5	140.6	144.7	145.7	146.7	147.8	144.7	143.7	156.0	182.6
65°	125.2	128.3	131.3	134.4	134.4	135.4	134.4	130.3	127.2	127.2	139.6
67.5°	117.0	119.0	122.1	123.1	123.1	123.1	122.1	121.1	115.9	113.9	115.9
70°	104.7	107.7	110.8	112.9	112.9	111.8	110.8	107.7	105.7	103.6	105.7
72.5°	93.4	97.5	98.5	99.5	98.5	98.5	98.5	96.5	97.5	97.5	98.5
75°	82.1	84.1	84.1	86.2	86.2	86.2	86.2	86.2	88.2	87.2	88.2
77.5°	69.8	70.8	72.9	72.9	72.9	73.9	75.9	75.9	78.0	79.0	79.0
80°	60.5	58.5	58.5	57.5	58.5	60.5	62.6	66.7	66.7	67.7	68.7
82.5°	48.2	44.1	42.1	44.1	44.1	45.1	49.3	53.4	53.4	56.4	57.5
85°	36.9	31.8	27.7	29.8	29.8	31.8	35.9	38.0	41.0	42.1	41.0
87.5°	21.5	18.5	12.3	10.3	12.3	15.4	16.4	18.5	15.4	17.4	18.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P141561

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6
2.5°	1057.9	1057.9	1052.8	1052.8	1053.8	1055.9	1050.7	1049.7	1050.7	1049.7	1048.7
5°	1085.6	1082.5	1081.5	1079.5	1078.4	1080.5	1075.4	1075.4	1074.3	1072.3	1069.2
7.5°	1116.4	1114.4	1112.3	1110.2	1108.2	1109.2	1104.1	1103.1	1102.0	1101.0	1097.9
10°	1145.1	1142.1	1140.0	1134.9	1130.8	1126.7	1116.4	1113.3	1110.2	1108.2	1107.2
12.5°	1168.7	1165.7	1158.5	1149.2	1143.1	1132.8	1124.6	1117.4	1114.4	1111.3	1112.3
15°	1191.3	1185.2	1175.9	1164.6	1158.5	1148.2	1142.1	1139.0	1136.9	1134.9	1136.9
17.5°	1198.5	1200.5	1195.4	1192.3	1188.2	1184.1	1185.2	1188.2	1194.4	1194.4	1194.4
20°	1185.2	1207.7	1222.1	1233.4	1242.6	1248.8	1249.8	1252.9	1260.1	1263.1	1278.5
22.5°	1153.3	1211.8	1260.1	1299.0	1323.7	1331.9	1341.1	1351.4	1352.4	1355.5	1369.9
25°	1123.6	1208.8	1280.6	1342.1	1399.6	1439.6	1462.2	1482.7	1487.9	1492.0	1492.0
27.5°	1071.3	1165.7	1258.0	1340.1	1419.1	1485.8	1538.1	1591.5	1628.4	1641.8	1661.3
30°	1015.8	1115.4	1210.8	1314.4	1415.0	1508.4	1602.8	1689.0	1749.5	1794.7	1830.6
32.5°	946.1	1053.8	1162.6	1275.4	1395.5	1512.5	1638.7	1763.9	1878.8	1969.1	2024.5
35°	873.2	986.1	1099.0	1223.1	1358.6	1500.2	1661.3	1827.5	1981.4	2128.1	2254.4
37.5°	793.2	899.9	1023.0	1164.6	1310.3	1479.6	1667.4	1873.7	2087.1	2297.5	2460.6
40°	701.9	805.5	924.5	1073.3	1249.8	1440.7	1664.3	1909.6	2177.4	2439.1	2701.7
42.5°	639.3	734.7	848.6	998.4	1178.0	1396.5	1652.0	1942.4	2259.5	2583.7	2914.1
45°	592.1	685.4	797.3	940.9	1123.6	1353.4	1647.9	1979.4	2345.7	2717.1	3102.9
47.5°	551.0	647.5	755.2	896.8	1073.3	1314.4	1638.7	2010.1	2417.5	2819.7	3267.1
50°	511.0	609.5	720.3	863.0	1036.4	1272.4	1618.2	2037.8	2485.2	2926.5	3402.6
52.5°	466.9	564.4	683.4	829.1	1012.8	1245.7	1596.6	2060.4	2550.9	3040.4	3543.1
55°	419.7	518.2	635.2	789.1	981.0	1225.2	1575.1	2074.8	2619.6	3143.0	3669.4
57.5°	368.4	466.9	580.8	737.8	942.0	1197.5	1551.5	2073.8	2669.9	3239.4	3805.8
60°	305.8	395.1	507.9	665.9	874.2	1158.5	1532.0	2065.6	2705.8	3324.6	3957.7
62.5°	232.9	308.9	412.5	560.3	776.8	1083.6	1480.7	2030.7	2709.9	3386.1	4083.9
65°	166.2	207.3	289.4	437.1	616.7	916.3	1356.5	1938.3	2642.2	3342.0	4095.2
67.5°	127.2	149.8	189.8	278.1	437.1	697.8	1143.1	1731.0	2431.9	3107.0	3906.4
70°	109.8	121.1	142.6	181.6	274.0	452.5	809.6	1367.8	2003.0	2673.0	3355.4
72.5°	101.6	108.8	122.1	141.6	174.4	266.8	498.7	919.4	1471.4	2037.8	2635.0
75°	93.4	100.6	110.8	123.1	139.6	178.5	271.9	540.8	908.1	1346.3	1771.1
77.5°	83.1	89.3	102.6	113.9	124.2	139.6	173.4	300.6	499.7	805.5	1060.0
80°	69.8	75.9	86.2	103.6	113.9	124.2	135.4	184.7	276.0	416.6	543.8
82.5°	57.5	60.5	68.7	84.1	93.4	98.5	101.6	120.1	157.0	205.2	299.6
85°	40.0	40.0	46.2	54.4	61.6	57.5	58.5	61.6	81.1	113.9	229.8
87.5°	15.4	11.3	14.4	17.4	17.4	16.4	19.5	18.5	25.7	48.2	65.7
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	0°
2.5°	1048.7	1048.7	1047.7	1046.6	1045.6	1045.6	1043.5	1046.6	1045.6	1046.6	1047.7	2.5°
5°	1070.2	1068.2	1066.1	1064.1	1064.1	1062.0	1058.9	1057.9	1053.8	1052.8	1049.7	5°
7.5°	1101.0	1101.0	1101.0	1099.0	1094.9	1089.7	1083.6	1079.5	1068.2	1060.0	1050.7	7.5°
10°	1109.2	1111.3	1112.3	1113.3	1109.2	1108.2	1101.0	1092.8	1079.5	1067.1	1054.8	10°
12.5°	1112.3	1116.4	1117.4	1118.5	1115.4	1113.3	1106.1	1101.0	1089.7	1077.4	1071.3	12.5°
15°	1141.0	1148.2	1156.4	1155.4	1164.6	1154.4	1148.2	1149.2	1136.9	1123.6	1119.5	15°
17.5°	1214.9	1218.0	1235.4	1236.5	1250.8	1254.9	1244.7	1233.4	1226.2	1218.0	1200.5	17.5°
20°	1294.9	1317.5	1323.7	1354.5	1368.8	1376.0	1377.0	1377.0	1363.7	1327.8	1313.4	20°
22.5°	1382.2	1416.0	1453.0	1472.5	1502.2	1506.3	1521.7	1512.5	1502.2	1474.5	1441.7	22.5°
25°	1522.7	1542.2	1575.1	1624.3	1638.7	1668.4	1662.3	1675.6	1653.1	1604.8	1585.3	25°
27.5°	1679.7	1713.6	1759.8	1805.9	1826.5	1859.3	1838.8	1859.3	1822.4	1809.0	1761.8	27.5°
30°	1851.1	1897.3	1979.4	2036.8	2078.9	2101.5	2088.1	2076.8	2066.6	2041.9	2038.9	30°
32.5°	2061.4	2116.9	2194.8	2269.7	2343.6	2420.6	2439.1	2455.5	2493.4	2418.5	2345.7	32.5°
35°	2321.1	2363.1	2450.3	2536.5	2638.1	2734.6	2893.6	2933.6	2882.3	2793.1	2676.1	35°
37.5°	2574.5	2669.9	2757.1	2859.8	2935.7	3046.5	3117.3	3196.3	3153.2	3070.1	2935.7	37.5°
40°	2885.4	3014.7	3133.7	3259.9	3346.1	3432.3	3565.7	3651.9	3643.7	3540.1	3358.4	40°
42.5°	3170.7	3375.9	3572.9	3667.3	3782.2	3938.2	4036.7	4174.2	4183.4	4063.4	3832.5	42.5°
45°	3469.3	3708.3	3948.5	4134.2	4231.7	4424.6	4650.3	4800.1	4846.3	4617.5	4381.5	45°
47.5°	3703.2	4075.7	4397.9	4595.9	4777.5	4976.6	5267.0	5483.5	5465.0	5156.2	4844.2	47.5°
50°	3908.4	4382.5	4772.4	5098.7	5316.3	5546.1	5928.8	6187.4	6097.1	5704.1	5314.2	50°
52.5°	4094.2	4650.3	5132.6	5536.9	5790.3	6118.7	6602.0	6827.7	6571.2	6191.5	5709.3	52.5°
55°	4264.5	4892.5	5452.7	5939.1	6330.0	6753.8	7207.4	7362.3	6997.0	6528.1	6084.8	55°
57.5°	4421.5	5117.2	5747.2	6331.1	6855.4	7361.3	7756.3	7766.6	7307.9	6787.7	6364.9	57.5°
60°	4610.3	5323.4	6055.0	6737.4	7376.7	7902.0	8132.9	8060.1	7508.0	6981.6	6557.8	60°
62.5°	4792.9	5509.2	6306.4	7128.4	7899.0	8357.6	8403.8	8249.9	7645.5	7071.9	6702.5	62.5°
65°	4883.2	5650.8	6447.0	7376.7	8307.3	8629.5	8573.1	8332.0	7700.9	7085.3	6739.5	65°
67.5°	4750.9	5518.4	6312.6	7268.9	8305.3	8612.1	8466.4	8175.0	7566.5	6903.6	6568.1	67.5°
70°	4263.5	5007.4	5654.9	6554.8	7720.4	8023.1	7804.6	7516.2	7007.3	6358.8	6205.9	70°
72.5°	3587.3	4139.3	4681.1	5346.0	6145.3	6410.1	6121.7	6265.4	6134.1	5506.1	5366.5	72.5°
75°	2692.5	3208.6	3420.0	3624.2	4176.2	4334.3	4223.4	4716.0	4850.4	4588.7	4232.7	75°
77.5°	1761.8	2303.6	2342.6	2346.7	2572.4	2875.1	3276.4	3788.4	4042.9	3924.9	3492.9	77.5°
80°	1027.1	1623.3	1451.9	1396.5	1596.6	1934.2	2463.7	3105.0	3441.6	3466.2	3053.7	80°
82.5°	516.1	1017.9	881.4	872.2	985.1	1234.4	1621.2	1979.4	2417.5	2438.0	2492.4	82.5°
85°	401.2	699.8	716.2	776.8	855.8	959.4	988.1	1051.8	1296.0	1521.7	1580.2	85°
87.5°	208.3	515.1	607.5	707.0	697.8	571.5	482.3	520.2	605.4	638.2	829.1	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°
1046.6	1046.6	1046.6	1046.6	1046.6	1046.6	1046.6
1045.6	1047.7	1046.6	1047.7	1048.7	1048.7	1047.7
1044.6	1043.5	1039.4	1037.4	1037.4	1035.3	1034.3
1038.4	1031.2	1021.0	1014.8	1010.7	1007.6	1002.5
1039.4	1027.1	1013.8	1004.6	995.3	989.2	983.0
1052.8	1037.4	1025.1	1010.7	1003.5	995.3	988.1
1099.0	1078.4	1064.1	1050.7	1042.5	1036.4	1030.2
1172.8	1148.2	1124.6	1112.3	1097.9	1087.7	1086.6
1272.4	1236.5	1205.7	1178.0	1164.6	1148.2	1145.1
1385.2	1332.9	1300.1	1269.3	1250.8	1231.3	1232.4
1528.9	1476.6	1423.2	1391.4	1364.7	1367.8	1364.7
1701.3	1660.2	1598.7	1559.7	1551.5	1519.7	1496.1
1970.1	1908.6	1833.7	1763.9	1719.8	1667.4	1618.2
2233.8	2119.9	2020.4	1952.7	1896.2	1819.3	1742.3
2494.5	2363.1	2270.8	2213.3	2126.1	2018.3	1898.3
2804.3	2718.2	2652.5	2511.9	2387.7	2222.5	2040.9
3251.7	3143.0	2986.0	2807.4	2627.9	2393.9	2145.6
3697.1	3565.7	3346.1	3083.4	2825.9	2543.7	2227.7
4180.4	3926.9	3640.6	3322.5	3005.5	2655.6	2284.1
4561.0	4245.0	3887.9	3506.2	3148.1	2747.9	2333.4
4949.9	4568.2	4119.8	3689.9	3277.4	2822.8	2382.6
5255.7	4829.9	4356.8	3857.1	3397.4	2907.0	2450.3
5561.5	5090.5	4569.2	4024.4	3546.2	3023.9	2551.9
5816.0	5326.5	4774.5	4207.0	3718.6	3179.9	2718.2
6151.5	5657.9	5015.6	4423.5	3913.6	3392.3	2928.5
6470.6	6046.8	5351.1	4678.0	4151.6	3632.4	3167.6
6681.0	6486.0	5694.9	4933.5	4375.3	3857.1	3377.9
6685.1	6765.1	6057.1	5140.8	4584.6	4101.3	3550.3
6524.0	6804.1	6134.1	5159.3	4684.2	4210.1	3640.6
5966.8	6323.9	5673.3	4795.0	4499.5	4124.9	3541.1
4615.4	4874.0	4537.4	4064.4	4074.7	3856.1	3151.2
3195.3	3439.5	3156.3	3055.7	3280.5	3158.4	2352.9
2420.6	2105.6	1994.7	2048.1	2328.2	2314.9	1479.6
2155.8	1593.5	1321.6	1387.3	1643.8	1501.2	824.0
1768.0	1589.4	1328.8	1201.6	1252.9	1025.1	563.3
1017.9	1162.6	947.1	892.7	776.8	461.7	228.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)