

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: P158999

Luminaire Tested: **VTS-E05-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158999
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-E05-LED-E1-SLR-7030
Description: VENTUS LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (105) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12272.1 lumens
Efficiency: N/A
Efficacy: 96.4 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

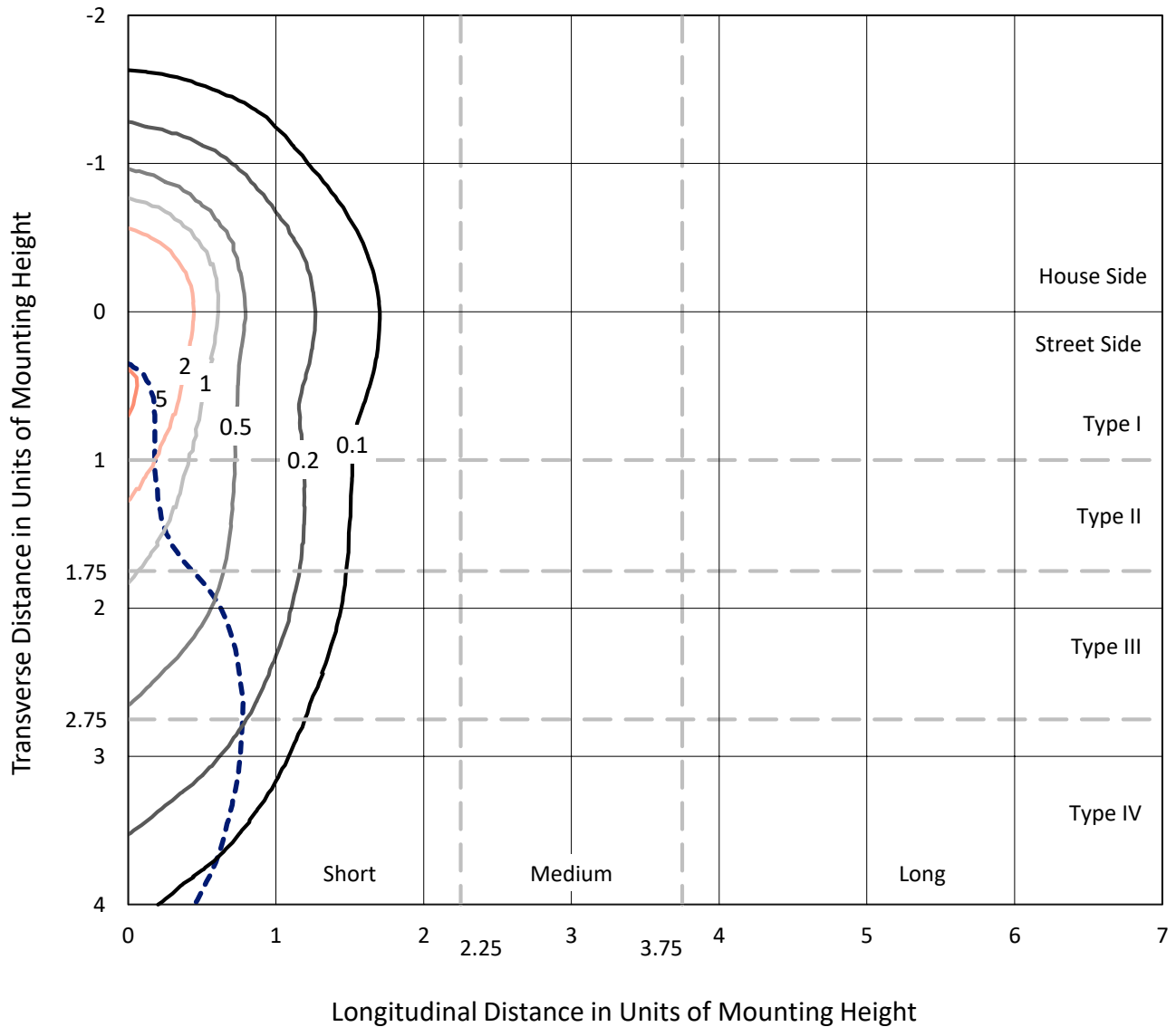
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

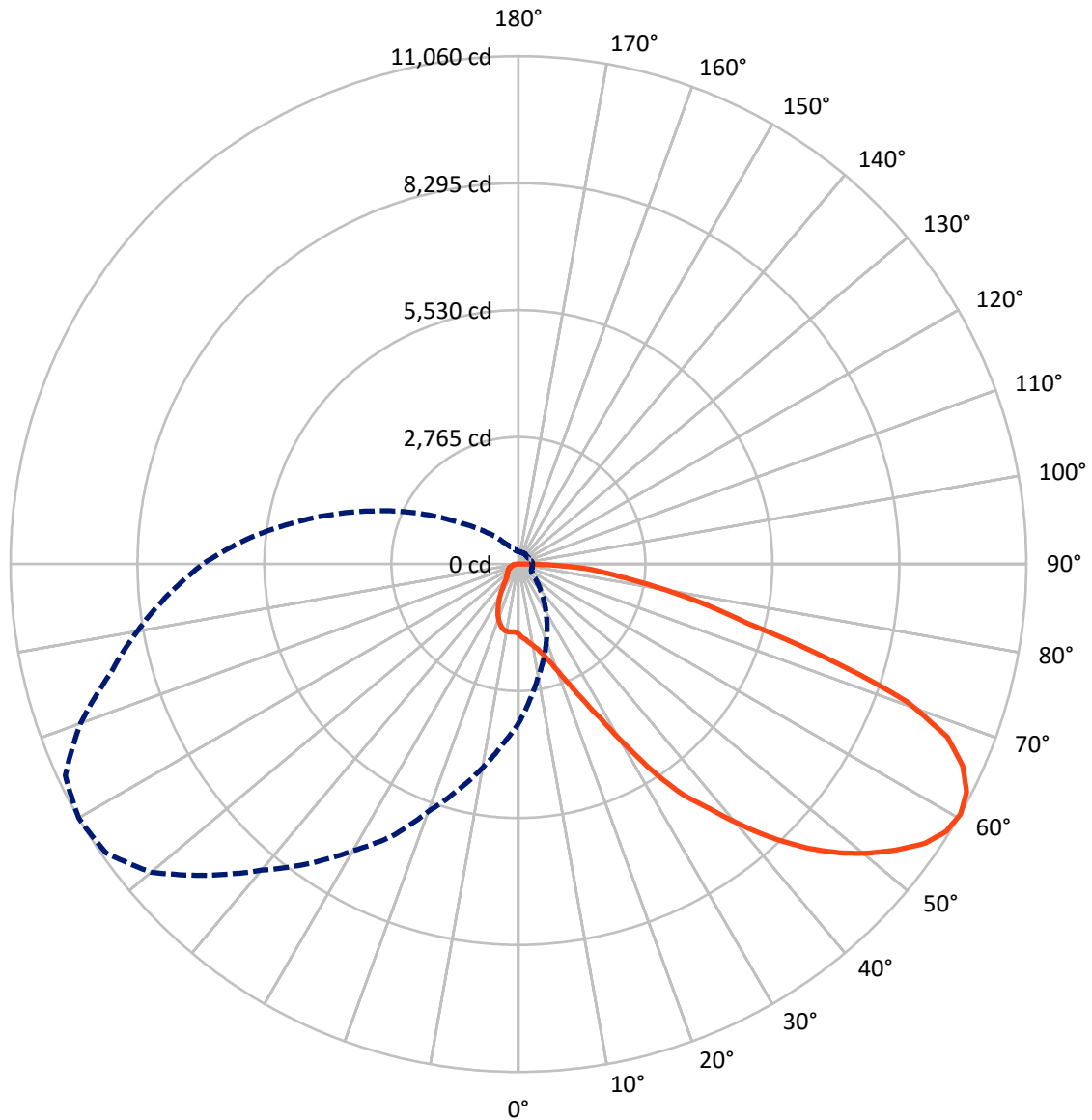
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 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	2763.3	0.0	2763.3
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	9508.8	0.0	9508.8
	% Fixture	77.5	0.0	77.5
Total	Lumens	12272.1	0.0	12272.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	1.2
10°-20°	486.2	4.0
20°-30°	922.5	7.5
30°-40°	1452.8	11.8
40°-50°	2027.8	16.5
50°-60°	2507.9	20.4
60°-70°	2599.6	21.2
70°-80°	1635.8	13.3
80°-90°	489.0	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°	12272.1	100.0
0°-180°	12272.1	100.0



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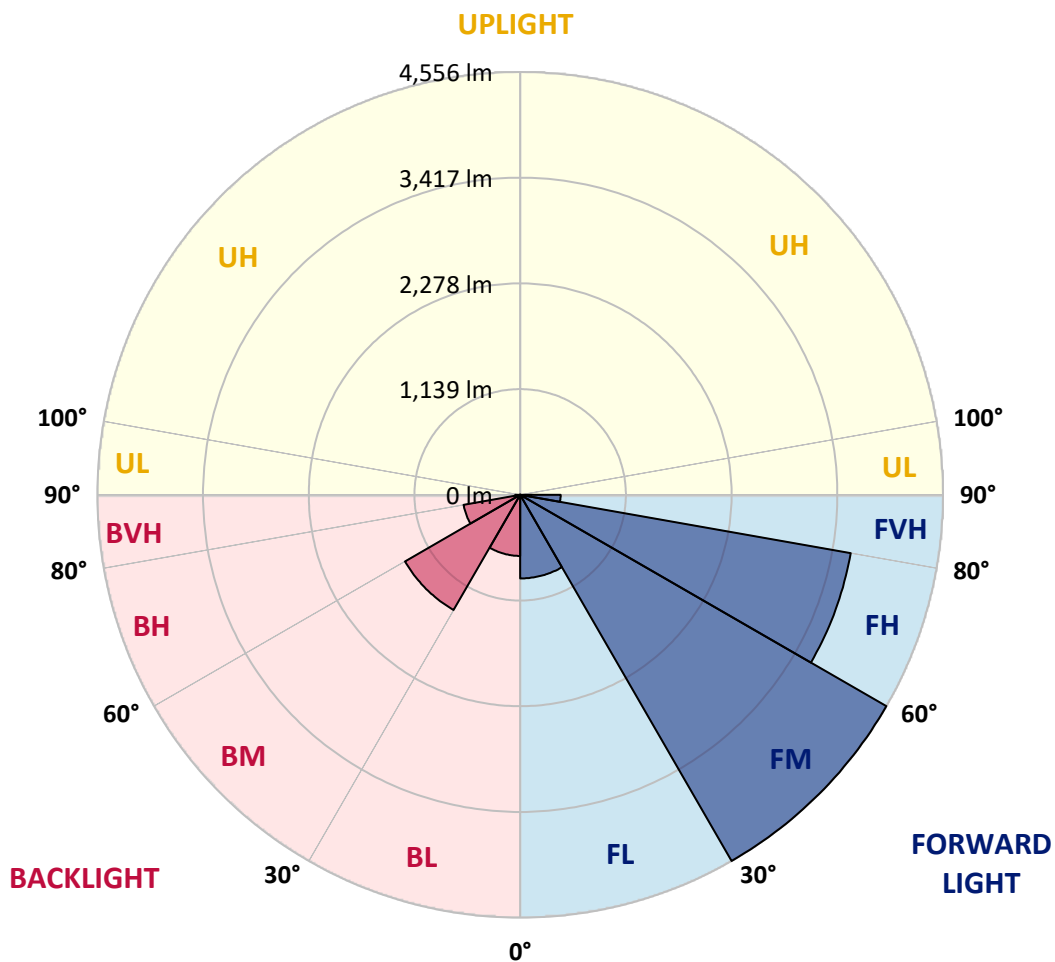
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	901.0	7.3			
FM	(30°-60°)	4555.6	37.1			
FH	(60°-80°)	3616.5	29.5			G2/5000
FVH	(80°-90°)	435.8	3.6			G3/500
BL	(0°-30°)	658.3	5.4	B2/1000		
BM	(30°-60°)	1432.9	11.7	B2/2500		
BH	(60°-80°)	618.9	5.0	B2/1000		G2/1000
BVH	(80°-90°)	53.2	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°	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2
2.5°	1616.6	1519.8	1521.6	1518.9	1518.9	1517.1	1518.9	1517.1	1515.2	1515.2	1516.2
5°	1637.6	1530.8	1530.8	1528.0	1526.2	1524.4	1526.2	1524.4	1523.5	1521.6	1522.6
7.5°	1657.7	1537.2	1533.5	1529.9	1525.3	1527.1	1527.1	1526.2	1527.1	1526.2	1528.0
10°	1690.6	1558.2	1549.0	1540.8	1539.9	1538.1	1538.1	1535.3	1535.3	1533.5	1534.4
12.5°	1774.6	1623.0	1613.0	1598.4	1595.6	1587.4	1582.8	1577.4	1568.2	1560.0	1553.6
15°	1916.2	1730.8	1711.6	1698.8	1693.4	1676.9	1651.3	1631.2	1604.8	1581.9	1558.2
17.5°	2089.7	1875.1	1852.3	1835.8	1808.4	1763.7	1720.8	1671.4	1620.3	1573.7	1530.8
20°	2332.7	2082.4	2037.7	1998.4	1929.9	1853.2	1772.8	1687.0	1608.4	1535.3	1472.3
22.5°	2661.5	2350.1	2266.9	2161.9	2034.9	1905.2	1777.4	1658.6	1553.6	1458.6	1374.6
25°	3039.6	2605.8	2456.0	2275.2	2080.6	1901.6	1733.5	1581.0	1458.6	1336.2	1244.9
27.5°	3318.2	2819.5	2598.5	2361.0	2112.6	1884.2	1677.8	1493.3	1345.4	1220.2	1109.7
30°	3477.1	2941.9	2676.1	2397.5	2118.1	1855.0	1607.5	1393.8	1223.0	1074.1	968.2
32.5°	3579.4	3007.7	2684.3	2361.0	2052.3	1768.2	1500.6	1278.7	1093.3	934.4	822.0
35°	3665.3	3034.1	2646.0	2279.7	1928.1	1636.7	1363.6	1141.7	945.3	799.2	684.1
37.5°	3700.0	3029.6	2584.8	2171.0	1806.6	1493.3	1223.9	996.5	821.1	692.3	593.7
40°	3693.6	2987.6	2501.7	2055.0	1664.1	1343.5	1075.9	875.9	733.4	624.7	552.6
42.5°	3650.7	2931.9	2409.4	1937.2	1533.5	1219.3	975.5	798.3	683.2	601.0	538.0
45°	3596.8	2865.2	2325.4	1829.4	1430.3	1130.7	917.0	776.3	676.8	598.2	530.7
47.5°	3523.7	2791.2	2240.4	1752.7	1375.5	1104.2	916.1	789.1	682.3	591.9	517.9
50°	3444.2	2737.3	2193.9	1719.8	1369.1	1120.7	948.1	809.2	685.9	585.5	500.5
52.5°	3388.5	2713.6	2193.0	1731.7	1402.9	1166.3	985.5	834.8	699.6	589.1	496.9
55°	3320.0	2709.9	2216.7	1782.9	1476.9	1244.0	1044.9	878.6	727.9	602.8	499.6
57.5°	3324.6	2782.1	2308.9	1908.9	1610.2	1349.0	1120.7	932.5	755.3	611.0	495.0
60°	3468.9	2950.1	2490.7	2124.5	1784.7	1472.3	1198.3	961.8	753.5	592.8	473.1
62.5°	3766.7	3202.2	2762.9	2377.5	1961.9	1567.3	1226.6	953.5	726.1	553.5	437.5
65°	4122.0	3497.2	3027.8	2573.8	2069.7	1589.2	1202.0	907.9	671.3	502.3	394.6
67.5°	4477.2	3706.4	3180.3	2629.5	2025.8	1500.6	1110.6	805.6	578.2	432.9	346.2
70°	4605.1	3749.3	3168.4	2504.4	1826.7	1280.5	914.3	648.5	464.0	354.4	291.4
72.5°	4413.3	3480.8	2816.8	2128.1	1485.1	992.8	670.4	478.6	354.4	277.7	237.5
75°	3701.8	2803.1	2226.7	1602.9	1072.3	702.4	484.1	348.9	266.7	220.1	190.0
77.5°	2638.7	1951.8	1517.1	1053.1	696.0	486.8	347.1	262.1	211.9	176.3	154.4
80°	1657.7	1198.3	924.3	632.0	433.8	330.6	249.3	207.3	170.8	143.4	128.8
82.5°	998.3	697.8	544.4	392.7	285.0	226.5	183.6	162.6	136.1	118.7	110.5
85°	677.7	513.3	357.1	232.0	171.7	133.3	125.1	112.3	101.4	84.9	82.2
87.5°	129.7	183.6	159.8	95.0	63.0	53.9	47.5	45.7	41.1	32.9	37.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2
2.5°	1510.7	1508.9	1505.2	1505.2	1502.5	1497.0	1496.1	1492.4	1487.8	1488.8	1487.8
5°	1516.2	1512.5	1507.9	1506.1	1502.5	1497.0	1494.2	1489.7	1485.1	1485.1	1485.1
7.5°	1522.6	1518.0	1514.3	1507.9	1500.6	1495.2	1487.8	1482.4	1479.6	1478.7	1479.6
10°	1528.0	1525.3	1519.8	1510.7	1500.6	1489.7	1482.4	1475.1	1467.8	1468.7	1469.6
12.5°	1539.9	1530.8	1516.2	1502.5	1486.9	1473.2	1460.4	1451.3	1442.2	1442.2	1443.1
15°	1531.7	1505.2	1485.1	1458.6	1441.3	1419.3	1404.7	1396.5	1391.0	1389.2	1390.1
17.5°	1483.3	1451.3	1421.2	1397.4	1373.7	1356.3	1349.9	1344.5	1337.1	1340.8	1337.1
20°	1410.2	1370.9	1328.0	1299.7	1271.4	1259.5	1248.5	1243.1	1238.5	1254.9	1254.9
22.5°	1305.2	1257.7	1213.8	1179.1	1147.2	1134.4	1123.4	1117.0	1119.8	1139.9	1141.7
25°	1172.7	1115.2	1057.7	1036.7	1004.7	994.6	988.2	987.3	990.1	1010.2	1014.7
27.5°	1032.1	971.8	922.5	874.1	859.5	851.2	839.4	853.1	855.8	877.7	886.9
30°	882.3	817.4	765.4	733.4	702.4	706.9	696.9	713.3	720.6	743.5	750.8
32.5°	728.9	667.7	615.6	583.6	561.7	564.5	557.1	571.8	579.1	606.5	620.2
35°	602.8	550.8	508.7	481.3	471.3	461.2	459.4	461.2	468.5	489.6	514.2
37.5°	530.7	487.7	457.6	437.5	423.8	417.4	413.7	413.7	413.7	418.3	430.2
40°	499.6	461.2	434.8	415.6	406.4	402.8	400.0	397.3	392.7	390.9	391.8
42.5°	485.9	442.1	413.7	399.1	393.7	393.7	393.7	391.8	387.3	382.7	378.1
45°	472.2	424.7	396.4	386.3	383.6	384.5	384.5	384.5	380.9	375.4	367.2
47.5°	454.8	405.5	377.2	370.8	370.8	373.6	374.5	374.5	370.8	365.3	358.9
50°	433.8	380.9	355.3	349.8	347.1	347.1	347.1	347.1	344.3	340.7	336.1
52.5°	422.9	367.2	340.7	335.2	335.2	332.5	331.5	328.8	326.1	323.3	316.9
55°	419.2	361.7	334.3	329.7	329.7	327.0	324.2	321.5	316.9	312.4	306.0
57.5°	409.2	349.8	326.1	322.4	322.4	320.6	317.8	315.1	310.5	304.1	295.9
60°	386.3	329.7	309.6	308.7	308.7	307.8	306.0	306.0	301.4	295.0	285.0
62.5°	357.1	308.7	289.5	289.5	288.6	287.7	284.1	283.1	277.7	269.4	260.3
65°	328.8	290.4	277.7	274.0	272.2	269.4	267.6	263.0	258.5	251.2	242.0
67.5°	293.2	263.0	254.8	251.2	247.5	244.8	242.0	239.3	233.8	228.3	221.0
70°	254.8	232.9	228.3	227.4	222.9	220.1	219.2	216.5	211.0	205.5	196.4
72.5°	218.3	205.5	201.9	201.9	196.4	192.7	190.9	190.0	186.3	181.8	173.5
75°	176.3	167.1	166.2	170.8	170.8	168.1	166.2	168.1	162.6	159.8	151.6
77.5°	144.3	139.7	137.0	138.8	144.3	141.6	137.9	137.9	137.9	133.3	130.6
80°	122.4	118.7	116.0	117.8	116.9	116.0	114.2	110.5	110.5	110.5	109.6
82.5°	110.5	109.6	99.6	99.6	95.9	93.2	91.3	89.5	87.7	87.7	92.2
85°	83.1	85.9	80.4	79.5	74.9	71.2	67.6	65.8	63.9	66.7	75.8
87.5°	40.2	40.2	38.4	42.9	39.3	37.4	34.7	32.9	34.7	42.9	51.1
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°	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2
2.5°	1486.0	1485.1	1484.2	1482.4	1478.7	1477.8	1476.0	1476.0	1475.1	1473.2	1475.1
5°	1483.3	1485.1	1485.1	1484.2	1481.5	1483.3	1483.3	1486.0	1486.0	1487.8	1492.4
7.5°	1479.6	1484.2	1487.8	1490.6	1494.2	1497.0	1502.5	1510.7	1514.3	1520.7	1523.5
10°	1472.3	1480.5	1486.9	1495.2	1504.3	1514.3	1522.6	1535.3	1539.9	1549.0	1553.6
12.5°	1451.3	1465.0	1476.0	1492.4	1507.9	1523.5	1538.1	1554.5	1562.7	1572.8	1579.2
15°	1400.2	1415.7	1431.2	1445.8	1473.2	1503.4	1527.1	1549.0	1560.9	1573.7	1580.1
17.5°	1339.0	1349.0	1361.8	1381.0	1407.5	1434.0	1472.3	1503.4	1521.6	1536.3	1538.1
20°	1267.7	1282.3	1291.5	1298.8	1319.8	1338.1	1379.2	1414.8	1438.5	1455.9	1460.4
22.5°	1159.0	1174.6	1190.1	1195.6	1212.0	1235.8	1258.6	1297.0	1330.8	1356.3	1371.9
25°	1034.8	1049.4	1070.4	1086.9	1090.5	1109.7	1132.6	1176.4	1211.1	1252.2	1270.5
27.5°	910.6	923.4	946.2	955.4	966.3	985.5	1003.8	1040.3	1076.8	1124.3	1144.4
30°	765.4	792.8	819.3	836.6	845.8	868.6	881.4	917.0	950.8	985.5	1014.7
32.5°	641.2	665.8	696.0	717.9	728.9	746.2	766.3	796.4	822.9	856.7	890.5
35°	527.0	560.8	580.9	600.1	628.4	636.6	656.7	684.1	699.6	736.2	774.5
37.5°	446.6	466.7	486.8	506.0	529.7	540.7	559.9	582.7	601.0	622.9	657.6
40°	397.3	408.3	422.9	435.7	453.0	466.7	476.8	495.9	509.6	531.6	556.2
42.5°	374.5	377.2	379.0	388.2	397.3	406.4	417.4	425.6	442.1	458.5	474.0
45°	361.7	356.2	353.5	354.4	358.0	363.5	372.6	381.8	392.7	402.8	411.9
47.5°	350.7	343.4	335.2	330.6	331.5	333.4	340.7	348.0	353.5	361.7	365.3
50°	325.2	318.8	311.5	305.1	306.0	306.9	313.3	318.8	322.4	325.2	329.7
52.5°	308.7	299.6	293.2	286.8	285.9	288.6	294.1	299.6	301.4	303.2	304.1
55°	296.8	287.7	279.5	273.1	270.4	276.7	278.6	285.9	288.6	288.6	289.5
57.5°	287.7	276.7	268.5	262.1	257.6	262.1	266.7	274.9	275.8	274.0	274.0
60°	274.0	265.8	257.6	251.2	246.6	250.3	253.9	263.0	263.0	258.5	257.6
62.5°	250.3	245.7	240.2	237.5	236.6	240.2	243.0	250.3	247.5	242.0	240.2
65°	232.9	229.3	223.8	221.9	221.0	226.5	227.4	232.0	228.3	225.6	224.7
67.5°	211.9	209.2	206.4	205.5	202.8	202.8	204.6	207.3	205.5	205.5	206.4
70°	188.2	184.5	181.8	182.7	180.8	180.8	181.8	183.6	182.7	184.5	186.3
72.5°	166.2	161.7	160.7	160.7	158.9	159.8	159.8	160.7	162.6	163.5	168.1
75°	145.2	140.7	140.7	139.7	139.7	139.7	140.7	142.5	144.3	145.2	147.0
77.5°	126.0	123.3	124.2	123.3	123.3	123.3	123.3	126.0	127.0	127.9	130.6
80°	108.7	108.7	109.6	109.6	108.7	107.8	108.7	110.5	111.4	112.3	113.3
82.5°	98.6	99.6	99.6	99.6	95.0	93.2	95.9	97.7	99.6	100.5	102.3
85°	84.9	81.3	84.9	84.0	77.6	76.7	76.7	77.6	79.5	77.6	77.6
87.5°	54.8	49.3	52.1	52.1	45.7	37.4	47.5	51.1	45.7	48.4	48.4
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2
2.5°	1477.8	1476.0	1476.9	1476.9	1478.7	1476.0	1479.6	1483.3	1484.2	1484.2	1485.1
5°	1497.0	1495.2	1501.5	1498.8	1505.2	1504.3	1508.9	1512.5	1514.3	1514.3	1514.3
7.5°	1527.1	1533.5	1537.2	1547.2	1548.1	1553.6	1558.2	1562.7	1560.9	1561.8	1560.9
10°	1560.9	1569.1	1578.3	1588.3	1589.2	1595.6	1602.9	1607.5	1605.7	1604.8	1602.0
12.5°	1590.1	1595.6	1606.6	1616.6	1622.1	1632.2	1639.5	1643.1	1643.1	1640.4	1637.6
15°	1588.3	1596.5	1608.4	1623.0	1633.1	1647.7	1660.5	1668.7	1669.6	1666.9	1666.0
17.5°	1548.1	1560.0	1571.0	1591.1	1609.3	1629.4	1650.4	1662.3	1673.3	1679.7	1683.3
20°	1476.0	1490.6	1506.1	1532.6	1557.3	1583.7	1608.4	1625.8	1642.2	1661.4	1684.2
22.5°	1391.0	1413.0	1434.9	1468.7	1498.8	1528.9	1557.3	1578.3	1603.8	1636.7	1679.7
25°	1291.5	1314.3	1341.7	1381.0	1419.3	1463.2	1505.2	1547.2	1596.5	1653.2	1719.8
27.5°	1173.7	1199.2	1234.8	1282.3	1326.2	1370.9	1436.7	1503.4	1583.7	1656.8	1732.6
30°	1056.7	1089.6	1128.0	1175.5	1219.3	1283.3	1349.0	1431.2	1516.2	1598.4	1688.8
32.5°	930.7	971.8	1019.3	1058.6	1107.9	1172.7	1238.5	1326.2	1416.6	1513.4	1613.0
35°	809.2	848.5	885.9	929.8	979.1	1040.3	1104.2	1188.3	1302.4	1405.6	1524.4
37.5°	685.9	722.5	748.9	783.7	826.6	894.2	962.7	1059.5	1167.3	1294.2	1413.0
40°	578.2	608.3	638.4	665.8	702.4	766.3	839.4	934.4	1040.3	1163.6	1296.0
42.5°	492.3	515.1	548.0	580.9	611.9	666.7	735.2	828.4	933.4	1059.5	1191.9
45°	420.1	435.7	462.2	489.6	527.9	573.6	639.3	734.3	841.2	968.2	1107.9
47.5°	368.1	375.4	393.7	422.0	457.6	502.3	559.0	644.8	748.9	876.8	1023.9
50°	332.5	340.7	349.8	373.6	405.5	451.2	497.8	572.7	667.7	792.8	938.9
52.5°	307.8	311.5	315.1	329.7	358.9	397.3	446.6	503.3	599.2	718.8	850.3
55°	293.2	294.1	296.8	304.1	326.1	361.7	404.6	458.5	533.4	646.7	780.9
57.5°	275.8	277.7	280.4	285.0	298.7	330.6	367.2	411.0	473.1	568.1	696.9
60°	259.4	264.0	268.5	271.3	278.6	297.8	328.8	363.5	413.7	485.0	587.3
62.5°	242.0	247.5	251.2	253.9	256.7	268.5	291.4	314.2	345.2	391.8	468.5
65°	226.5	230.2	232.9	234.7	236.6	240.2	250.3	259.4	268.5	296.8	352.6
67.5°	209.2	211.0	211.9	212.8	211.9	211.9	212.8	216.5	220.1	231.1	257.6
70°	189.1	191.8	191.8	192.7	192.7	190.0	190.0	190.0	190.0	192.7	207.3
72.5°	169.9	173.5	173.5	174.4	173.5	172.6	172.6	172.6	175.4	177.2	182.7
75°	151.6	155.3	154.4	155.3	156.2	156.2	158.0	158.9	161.7	162.6	166.2
77.5°	133.3	136.1	137.0	136.1	137.9	139.7	143.4	145.2	146.1	147.0	148.0
80°	116.0	117.8	116.9	114.2	118.7	121.5	127.0	133.3	131.5	132.4	134.3
82.5°	95.9	93.2	91.3	93.2	95.9	99.6	105.0	113.3	114.2	118.7	117.8
85°	74.0	65.8	64.8	69.4	68.5	73.1	82.2	88.6	94.1	98.6	94.1
87.5°	43.8	39.3	32.9	31.1	33.8	44.8	46.6	56.6	61.2	63.0	56.6
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2
2.5°	1568.2	1572.8	1572.8	1574.6	1577.4	1578.3	1581.9	1588.3	1589.2	1589.2	1592.0
5°	1597.4	1602.0	1602.0	1605.7	1606.6	1611.2	1615.7	1623.0	1626.7	1625.8	1637.6
7.5°	1644.9	1641.3	1638.6	1644.0	1646.8	1652.3	1661.4	1667.8	1674.2	1684.2	1700.7
10°	1685.1	1679.7	1676.9	1680.6	1682.4	1688.8	1694.3	1703.4	1718.9	1734.5	1754.5
12.5°	1718.0	1711.6	1704.3	1706.1	1708.9	1717.1	1726.2	1738.1	1760.9	1781.0	1811.2
15°	1745.4	1736.3	1729.0	1732.6	1739.0	1750.0	1765.5	1786.5	1824.0	1858.7	1898.9
17.5°	1771.9	1770.1	1767.3	1779.2	1783.8	1809.3	1832.2	1870.5	1921.7	1973.8	2031.3
20°	1797.5	1817.6	1827.6	1851.4	1866.0	1900.7	1935.4	1982.0	2046.8	2118.1	2196.6
22.5°	1833.1	1887.9	1921.7	1970.1	1994.8	2032.2	2083.4	2144.5	2216.7	2308.0	2408.5
25°	1918.0	1998.4	2066.0	2141.8	2203.9	2261.5	2322.6	2396.6	2500.8	2583.9	2715.4
27.5°	1955.5	2068.7	2170.1	2277.0	2370.1	2458.7	2555.6	2645.1	2768.4	2880.7	3039.6
30°	1919.9	2047.7	2179.3	2319.0	2455.1	2589.3	2730.0	2867.0	3009.5	3166.6	3335.6
32.5°	1854.1	1997.5	2145.5	2309.9	2478.8	2653.3	2836.0	3035.1	3236.0	3431.5	3604.1
35°	1787.4	1941.8	2106.2	2294.3	2493.4	2709.9	2936.4	3188.5	3454.3	3701.8	3927.4
37.5°	1690.6	1860.5	2048.6	2266.0	2502.6	2769.3	3060.6	3371.2	3707.3	4048.0	4343.9
40°	1573.7	1753.6	1959.1	2209.4	2493.4	2830.5	3209.5	3607.7	4039.7	4455.3	4818.8
42.5°	1466.8	1642.2	1861.4	2133.6	2469.7	2884.4	3351.1	3847.0	4358.5	4823.4	5298.3
45°	1372.8	1566.4	1786.5	2080.6	2457.8	2930.0	3456.1	4026.0	4611.5	5165.0	5725.8
47.5°	1286.9	1487.8	1734.5	2051.4	2452.3	2957.4	3529.2	4143.0	4791.4	5427.1	6078.3
50°	1198.3	1393.8	1657.7	2019.4	2438.6	2956.5	3567.5	4222.4	4917.5	5630.8	6321.3
52.5°	1103.3	1299.7	1564.6	1961.0	2409.4	2940.1	3577.6	4276.3	5017.0	5755.9	6527.7
55°	1016.6	1200.1	1465.0	1863.2	2348.2	2899.9	3554.8	4299.1	5087.4	5880.1	6672.9
57.5°	917.0	1107.9	1360.0	1729.0	2233.1	2828.6	3489.9	4267.2	5107.5	5963.3	6788.0
60°	780.0	967.2	1226.6	1570.0	2053.2	2677.9	3369.3	4170.4	5043.5	5977.9	6870.2
62.5°	622.9	784.6	1034.8	1350.8	1800.2	2441.4	3146.5	3953.0	4844.4	5840.9	6828.2
65°	463.1	570.8	786.4	1064.1	1507.0	2085.2	2787.5	3588.6	4455.3	5460.0	6564.2
67.5°	322.4	400.0	532.5	738.9	1096.0	1610.2	2275.2	3019.5	3853.4	4754.9	6016.2
70°	243.9	279.5	351.6	466.7	709.7	1096.9	1654.1	2317.2	3090.8	3959.4	5147.6
72.5°	208.2	226.5	266.7	319.7	434.8	666.7	1038.5	1594.7	2280.6	2987.6	3949.3
75°	187.2	202.8	228.3	262.1	307.8	404.6	609.2	1009.3	1510.7	2001.2	2755.6
77.5°	169.9	183.6	206.4	223.8	248.4	291.4	388.2	603.7	905.1	1236.7	1709.8
80°	151.6	159.8	180.8	198.2	217.4	242.0	278.6	379.0	519.7	732.5	1008.3
82.5°	129.7	136.1	151.6	175.4	190.0	200.0	211.0	251.2	311.5	397.3	559.9
85°	100.5	105.0	118.7	136.1	142.5	143.4	145.2	156.2	193.6	297.8	482.2
87.5°	51.1	56.6	71.2	76.7	64.8	70.3	71.2	75.8	100.5	163.5	166.2
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°	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	0°
2.5°	1592.0	1594.7	1601.1	1600.2	1604.8	1604.8	1604.8	1609.3	1606.6	1609.3	1613.9	2.5°
5°	1637.6	1642.2	1651.3	1651.3	1652.3	1649.5	1655.0	1658.6	1654.1	1652.3	1653.2	5°
7.5°	1704.3	1711.6	1718.9	1726.2	1731.7	1729.0	1729.9	1721.7	1719.8	1713.4	1705.2	7.5°
10°	1769.2	1789.3	1803.0	1815.7	1816.7	1813.9	1814.8	1801.1	1798.4	1785.6	1777.4	10°
12.5°	1835.8	1861.4	1883.3	1897.0	1905.2	1907.1	1908.0	1908.0	1895.2	1884.2	1865.1	12.5°
15°	1934.5	1979.2	2013.0	2027.6	2039.5	2050.5	2053.2	2056.9	2046.8	2032.2	2029.5	15°
17.5°	2090.7	2132.7	2177.4	2216.7	2243.2	2245.0	2267.8	2266.0	2287.0	2270.6	2266.0	17.5°
20°	2276.1	2367.4	2414.0	2466.0	2496.2	2510.8	2563.8	2547.3	2562.9	2589.3	2562.9	20°
22.5°	2508.1	2624.1	2691.6	2762.9	2812.2	2847.8	2886.2	2916.3	2958.3	2978.4	2960.2	22.5°
25°	2815.9	2948.3	3028.7	3127.3	3205.9	3269.8	3336.5	3416.8	3415.9	3464.3	3498.1	25°
27.5°	3169.3	3338.3	3455.2	3628.7	3696.3	3804.1	3918.3	4042.5	4064.4	4127.4	4159.4	27.5°
30°	3501.8	3710.9	3942.9	4149.4	4383.2	4543.0	4675.4	4763.1	4895.6	4862.7	4844.4	30°
32.5°	3808.7	4087.2	4417.9	4756.7	5127.5	5380.5	5614.4	5723.1	5805.3	5630.8	5399.7	32.5°
35°	4206.9	4540.3	4918.4	5336.7	5808.0	6166.9	6408.1	6441.9	6395.3	6171.5	5788.8	35°
37.5°	4700.1	5049.9	5480.1	5922.2	6422.7	6759.7	7034.6	7083.9	6960.6	6561.5	6159.6	37.5°
40°	5186.9	5597.0	6063.7	6587.1	7105.9	7476.7	7752.5	7767.1	7566.2	7099.5	6629.1	40°
42.5°	5719.4	6167.9	6687.6	7267.5	7803.7	8179.1	8378.2	8441.2	8157.1	7558.9	7107.7	42.5°
45°	6178.8	6715.0	7294.0	7910.5	8471.3	8827.5	9030.3	9010.2	8666.8	8075.8	7547.0	45°
47.5°	6626.4	7216.4	7826.5	8481.4	9038.5	9398.4	9606.6	9588.4	9152.7	8472.2	7890.4	47.5°
50°	7024.6	7664.8	8317.0	9016.6	9571.9	9901.6	10156.5	10076.1	9525.3	8791.0	8111.5	50°
52.5°	7301.3	8015.6	8696.9	9453.2	10024.9	10337.3	10661.5	10403.1	9745.4	8986.5	8230.2	52.5°
55°	7476.7	8256.7	8967.3	9803.9	10365.6	10739.2	10948.3	10581.2	9830.4	9040.3	8271.3	55°
57.5°	7595.4	8389.1	9126.2	10006.7	10672.5	10985.8	11036.9	10587.6	9775.6	8955.4	8230.2	57.5°
60°	7653.9	8428.4	9198.4	10149.1	10888.0	11059.8	10966.6	10439.6	9586.5	8706.1	7965.3	60°
62.5°	7647.5	8379.1	9160.9	10196.6	10931.0	10952.9	10741.0	10187.5	9238.5	8182.7	7525.1	62.5°
65°	7484.9	8199.1	8949.9	10020.4	10731.0	10636.9	10370.2	9714.4	8561.7	7499.5	7167.1	65°
67.5°	7016.4	7701.4	8398.3	9443.1	10167.4	10076.1	9672.4	8784.6	7775.4	6894.9	6715.9	67.5°
70°	6232.7	6813.6	7425.5	8343.5	9103.4	8980.1	8274.0	7734.3	6996.3	6196.2	6134.1	70°
72.5°	5210.7	5650.9	6094.8	6778.0	7301.3	7049.2	6605.3	6577.0	5980.6	5369.6	5382.4	72.5°
75°	4075.4	4406.0	4613.3	5015.2	5363.2	5137.6	5164.1	5321.2	5124.8	4643.5	4487.3	75°
77.5°	2952.9	3269.8	3335.6	3573.9	3818.7	4075.4	4415.1	4785.0	4847.2	4576.8	4010.5	77.5°
80°	1932.6	2281.5	2151.9	2236.8	2581.1	3049.7	3669.8	4279.0	4488.2	4245.3	3548.4	80°
82.5°	1139.9	1628.5	1422.1	1567.3	1785.6	2193.9	2622.2	3081.6	3431.5	3173.0	2963.8	82.5°
85°	865.9	1284.2	1360.0	1536.3	1607.5	1624.9	1699.7	1849.5	2030.4	2098.0	2092.5	85°
87.5°	451.2	998.3	1120.7	1036.7	967.2	838.5	654.0	704.2	643.9	880.5	833.9	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°
1526.2	1526.2	1526.2	1526.2	1526.2	1526.2	1526.2
1614.8	1612.1	1613.9	1614.8	1614.8	1614.8	1616.6
1652.3	1644.9	1642.2	1642.2	1641.3	1638.6	1637.6
1692.4	1679.7	1675.1	1669.6	1665.0	1662.3	1657.7
1764.6	1753.6	1730.8	1718.0	1706.1	1697.9	1690.6
1861.4	1845.9	1824.0	1807.5	1789.3	1783.8	1774.6
2011.2	1997.5	1978.3	1960.0	1949.1	1929.9	1916.2
2245.0	2217.6	2198.4	2174.7	2148.2	2108.9	2089.7
2552.8	2498.0	2459.7	2438.6	2385.7	2379.3	2332.7
2906.3	2889.8	2831.4	2805.8	2754.7	2734.6	2661.5
3435.1	3422.3	3302.7	3289.9	3211.3	3152.9	3039.6
4130.2	4025.1	3890.0	3795.9	3661.6	3510.9	3318.2
4737.5	4522.9	4316.5	4097.3	3911.9	3695.4	3477.1
5124.8	4837.1	4571.3	4346.6	4117.4	3859.8	3579.4
5464.6	5174.1	4884.6	4618.8	4341.2	4011.4	3665.3
5871.0	5582.4	5256.3	4882.8	4526.6	4122.9	3700.0
6287.5	5949.6	5542.2	5084.6	4637.1	4177.7	3693.6
6714.0	6282.0	5740.4	5218.9	4707.4	4185.9	3650.7
7060.2	6514.0	5887.5	5287.4	4722.0	4157.6	3596.8
7305.0	6662.9	5953.2	5311.1	4703.8	4112.8	3523.7
7444.7	6744.2	5969.7	5293.8	4666.3	4048.9	3444.2
7495.9	6768.8	5953.2	5258.2	4632.5	3980.4	3388.5
7490.4	6755.1	5892.9	5175.0	4542.1	3889.0	3320.0
7387.2	6628.2	5769.6	5075.5	4465.4	3847.0	3324.6
7211.8	6547.8	5733.1	5095.6	4505.6	3937.5	3468.9
7132.4	6708.6	5938.6	5296.5	4712.0	4195.9	3766.7
7087.6	6969.8	6232.7	5513.0	4956.8	4509.2	4122.0
6904.9	7044.7	6399.8	5636.3	5175.0	4823.4	4477.2
6609.9	6870.2	6272.9	5612.5	5295.6	5064.5	4605.1
5994.3	6269.2	5707.5	5262.7	5144.9	5068.2	4413.3
4856.3	4998.8	4679.1	4578.6	4622.5	4623.4	3701.8
3581.2	3495.4	3351.1	3358.4	3653.4	3607.7	2638.7
2923.6	2393.0	2188.4	2266.0	2630.4	2434.1	1657.7
2720.9	2134.5	1761.9	1780.1	1986.5	1568.2	998.3
2200.3	1945.4	1560.0	1400.2	1359.1	1044.9	677.7
920.7	846.7	630.2	568.1	465.8	285.0	129.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)