

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P158903

Luminaire Tested: **VST-F06-LED-E-U-SLL-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158903
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F06-LED-E-U-SLL-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11233.9 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

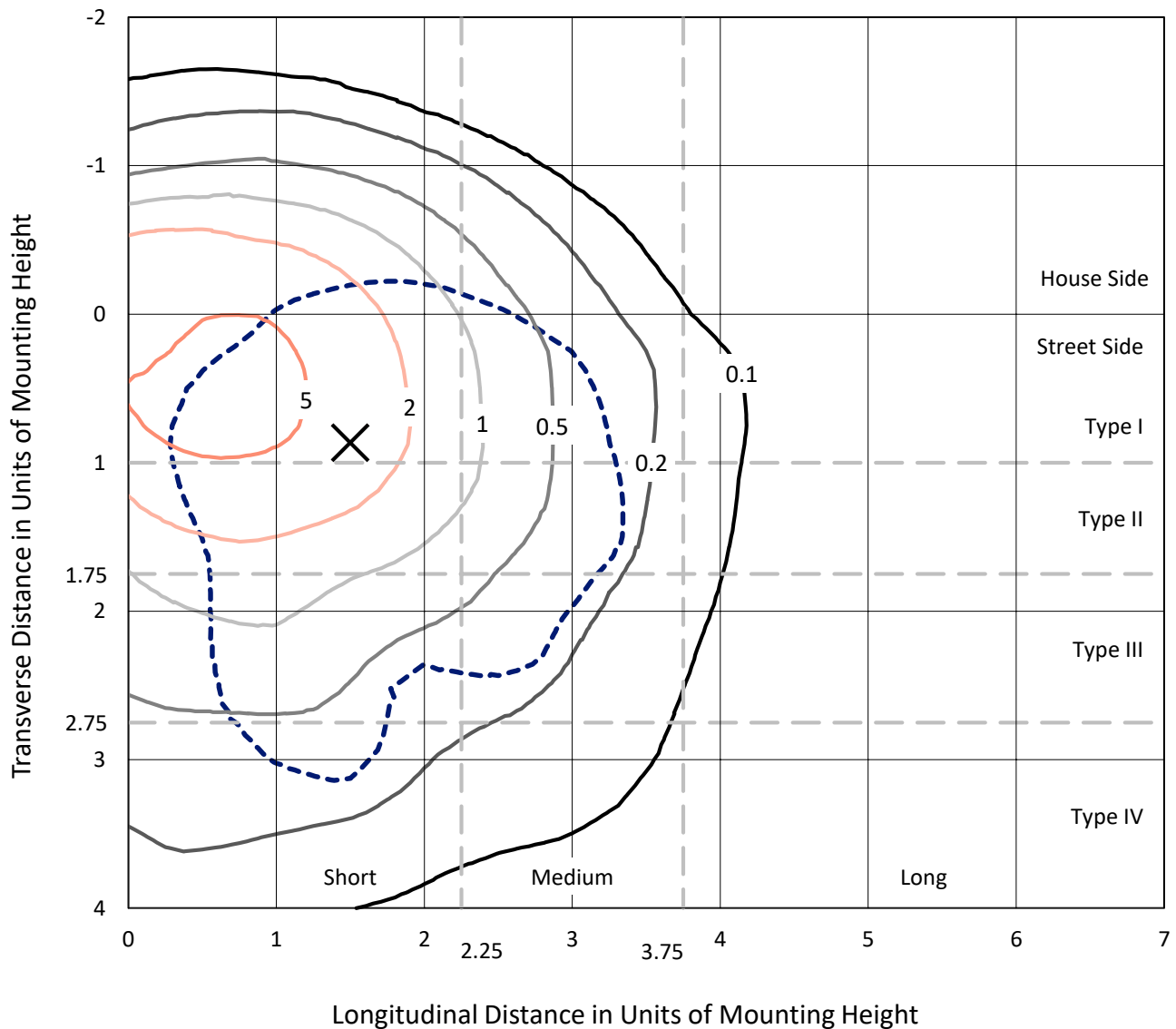


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

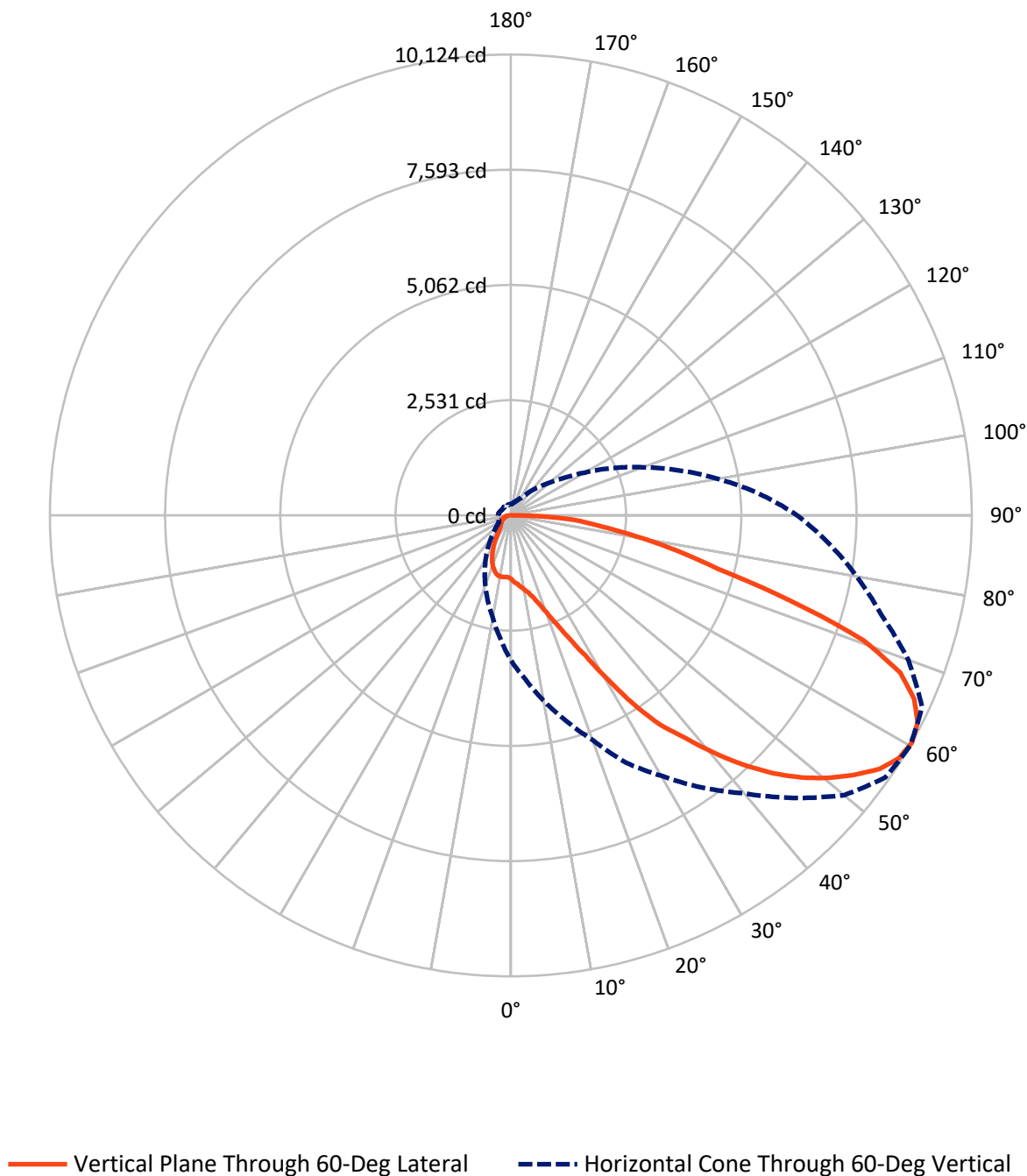


Based on 20 foot mounting height. Maximum calculated value = 8.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2529.5	0.0	2529.5
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	8704.4	0.0	8704.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	11233.9	0.0	11233.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.8	1.2
10°-20°	445.0	4.0
20°-30°	844.5	7.5
30°-40°	1329.9	11.8
40°-50°	1856.3	16.5
50°-60°	2295.8	20.4
60°-70°	2379.7	21.2
70°-80°	1497.4	13.3
80°-90°	447.6	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°	11233.9	100.0
0°-180°	11233.9	100.0

Coefficient of Utilization



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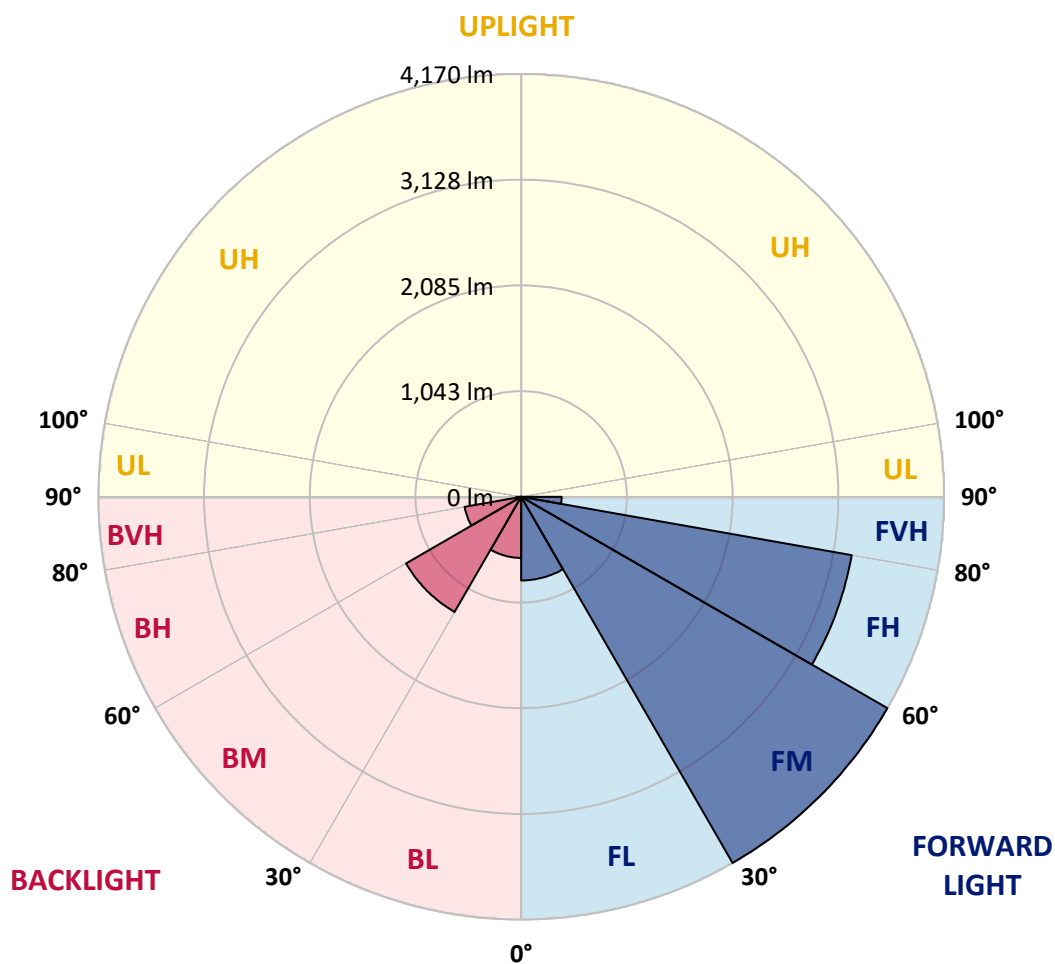
CATALOG NUMBER: VST-F06-LED-E-U-SLL-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	824.7	7.3			
FM	(30°-60°)	4170.2	37.1			
FH	(60°-80°)	3310.5	29.5			G2/5000
FVH	(80°-90°)	398.9	3.6			G3/500
BL	(0°-30°)	602.6	5.4	B2/1000		
BM	(30°-60°)	1311.7	11.7	B2/2500		
BH	(60°-80°)	566.5	5.0	B2/1000		G2/1000
BVH	(80°-90°)	48.7	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°	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1
2.5°	1479.9	1478.2	1478.2	1478.2	1477.4	1475.7	1478.2	1477.4	1473.2	1470.7	1473.2
5°	1499.1	1499.9	1502.4	1503.3	1503.3	1505.8	1512.5	1513.3	1512.5	1514.1	1518.3
7.5°	1517.5	1521.7	1524.2	1528.4	1533.4	1537.6	1549.3	1561.0	1568.5	1574.3	1576.0
10°	1547.6	1554.3	1561.8	1572.7	1584.4	1605.3	1615.3	1627.0	1634.5	1646.2	1648.8
12.5°	1624.5	1632.9	1637.9	1654.6	1669.7	1689.7	1703.9	1707.3	1724.8	1734.9	1746.6
15°	1754.1	1766.6	1784.2	1794.2	1811.0	1828.5	1841.1	1857.8	1860.3	1873.7	1882.9
17.5°	1913.0	1930.5	1966.5	1990.7	2012.5	2030.0	2055.1	2074.3	2078.5	2093.6	2074.3
20°	2135.4	2178.0	2183.8	2232.3	2251.6	2286.7	2336.9	2346.0	2370.3	2346.0	2331.8
22.5°	2436.3	2503.2	2521.6	2568.4	2591.9	2645.4	2660.4	2709.7	2726.5	2708.1	2669.6
25°	2782.5	2886.2	2939.7	3011.6	3023.3	3132.8	3144.5	3202.2	3171.3	3126.9	3127.8
27.5°	3037.5	3213.9	3351.9	3474.8	3560.9	3684.6	3780.8	3807.5	3778.3	3720.6	3700.5
30°	3183.0	3382.8	3580.9	3750.7	3951.3	4140.3	4336.8	4434.6	4451.3	4481.4	4360.2
32.5°	3276.6	3533.3	3769.1	3978.9	4184.6	4427.9	4691.3	4942.9	5154.4	5314.1	5238.9
35°	3355.2	3672.1	3973.9	4228.1	4471.4	4736.4	5002.3	5299.1	5649.4	5854.3	5896.9
37.5°	3387.0	3774.1	4143.6	4469.7	4811.7	5110.1	5374.3	5638.5	6006.4	6371.8	6484.7
40°	3381.1	3824.2	4244.8	4654.5	5073.3	5446.2	5755.6	6068.3	6498.9	6926.1	7110.0
42.5°	3341.8	3831.8	4309.2	4777.4	5254.8	5750.6	6146.0	6506.4	6919.4	7467.1	7727.1
45°	3292.5	3805.8	4322.5	4840.1	5389.4	5962.9	6462.9	6908.6	7392.6	7933.6	8248.0
47.5°	3225.6	3764.9	4305.8	4861.8	5449.6	6099.2	6687.0	7222.9	7755.5	8378.4	8777.2
50°	3152.9	3706.4	4271.5	4845.9	5464.6	6173.6	6814.9	7425.3	8047.3	8719.5	9223.7
52.5°	3101.9	3643.6	4240.6	4813.3	5449.6	6196.2	6861.7	7533.9	8226.2	8921.0	9523.0
55°	3039.2	3560.0	4157.8	4737.2	5394.4	6183.7	6856.7	7571.6	8275.5	8998.8	9686.0
57.5°	3043.3	3521.6	4087.6	4646.1	5281.5	6067.5	6762.2	7533.9	8197.8	8948.6	9691.9
60°	3175.4	3604.4	4124.4	4664.5	5248.1	5993.9	6601.7	7291.5	7969.5	8775.5	9556.4
62.5°	3448.0	3841.0	4313.4	4848.4	5436.2	6141.0	6529.0	6888.5	7490.5	8457.0	9325.7
65°	3773.2	4127.7	4537.4	5046.6	5705.4	6380.1	6488.0	6560.7	6865.1	7837.4	8892.6
67.5°	4098.5	4415.4	4737.2	5159.5	5858.4	6448.7	6320.8	6147.7	6311.6	7117.6	8041.4
70°	4215.5	4636.1	4847.6	5137.7	5742.2	6289.0	6050.7	5615.1	5672.0	6404.4	7079.9
72.5°	4040.0	4639.4	4709.7	4817.5	5224.7	5738.9	5487.2	4927.0	4915.3	5474.7	6020.6
75°	3388.6	4232.3	4231.4	4191.3	4283.3	4575.9	4445.5	4107.7	4250.6	4691.3	4871.0
77.5°	2415.4	3302.5	3344.3	3074.3	3067.6	3199.7	3278.3	3671.2	4189.6	4437.1	4380.2
80°	1517.5	2228.2	2407.9	2074.3	2003.3	2190.5	2676.3	3248.2	3886.1	4108.5	3917.0
82.5°	913.8	1435.6	1818.5	1629.5	1612.8	1953.9	2490.7	2713.1	2904.6	3141.2	2820.9
85°	620.4	956.5	1244.1	1281.7	1428.0	1780.9	2014.1	1915.5	1920.5	1858.6	1693.1
87.5°	118.7	260.9	426.4	520.0	576.9	775.0	842.8	763.3	806.0	589.4	644.6
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°	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1
2.5°	1469.0	1469.0	1469.0	1464.8	1465.7	1459.8	1457.3	1457.3	1454.8	1454.8	1453.9
5°	1515.0	1510.0	1512.5	1511.6	1511.6	1503.3	1499.1	1499.1	1488.2	1489.1	1485.7
7.5°	1583.5	1582.7	1585.2	1580.2	1573.5	1566.8	1560.1	1556.8	1541.7	1532.5	1526.7
10°	1661.3	1660.5	1663.0	1662.1	1650.4	1637.9	1619.5	1606.1	1587.7	1573.5	1559.3
12.5°	1746.6	1745.7	1744.1	1736.5	1724.0	1703.9	1680.5	1658.0	1630.4	1612.0	1591.1
15°	1879.5	1877.0	1867.0	1856.1	1842.7	1811.8	1770.8	1738.2	1701.4	1669.7	1635.4
17.5°	2076.0	2055.1	2053.4	2029.2	1993.2	1952.3	1913.8	1859.4	1806.8	1759.1	1712.3
20°	2346.9	2298.4	2285.0	2257.4	2209.8	2167.1	2083.5	2010.8	1938.9	1873.7	1814.3
22.5°	2642.0	2606.9	2574.3	2529.2	2463.9	2402.1	2295.9	2204.7	2112.8	2029.2	1963.1
25°	3054.2	2993.2	2934.7	2862.7	2772.5	2698.9	2577.6	2485.7	2365.3	2289.2	2193.9
27.5°	3586.8	3482.3	3383.6	3321.8	3162.9	3055.9	2901.2	2782.5	2637.0	2534.2	2421.3
30°	4279.9	4158.7	4012.4	3798.3	3609.4	3397.0	3205.5	3053.4	2898.7	2754.9	2624.5
32.5°	5139.4	4925.4	4693.8	4354.3	4044.1	3741.5	3486.5	3299.2	3141.2	2962.2	2778.3
35°	5866.0	5645.2	5316.6	4885.2	4502.3	4156.2	3851.0	3595.2	3388.6	3162.1	2918.8
37.5°	6439.5	6187.8	5879.3	5421.2	5016.5	4622.7	4302.5	3976.4	3705.5	3393.7	3086.0
40°	7096.7	6844.2	6504.7	6029.8	5550.8	5123.5	4748.1	4411.2	4078.4	3698.0	3302.5
42.5°	7669.4	7487.1	7143.5	6652.7	6121.8	5646.1	5235.5	4850.1	4415.4	3989.8	3521.6
45°	8266.3	8080.7	7754.7	7241.3	6677.0	6146.9	5656.1	5241.4	4728.0	4221.4	3685.5
47.5°	8793.9	8603.3	8273.9	7763.9	7164.4	6605.9	6065.8	5564.1	4968.0	4386.1	3792.5
50°	9297.2	9064.0	8762.1	8253.8	7613.4	7016.4	6430.3	5786.5	5154.4	4501.5	3865.2
52.5°	9759.6	9462.8	9176.8	8653.5	7961.2	7337.5	6683.6	5975.5	5269.0	4592.6	3914.5
55°	10022.1	9830.7	9488.7	8974.5	8208.7	7558.2	6844.2	6108.4	5382.7	4657.0	3935.4
57.5°	10103.2	10056.4	9769.6	9160.1	8354.1	7679.4	6952.9	6213.8	5458.8	4675.4	3906.2
60°	10038.8	10124.1	9966.9	9290.6	8420.2	7715.4	7006.4	6289.0	5472.2	4616.8	3817.6
62.5°	9832.3	10026.3	10006.2	9334.0	8385.9	7670.2	7000.5	6250.6	5346.7	4434.6	3618.6
65°	9492.9	9737.0	9823.1	9172.7	8192.8	7505.5	6851.7	6008.9	4998.1	4078.4	3285.0
67.5°	8854.1	9223.7	9307.3	8644.3	7687.8	7049.8	6422.8	5507.3	4352.6	3527.4	2764.1
70°	7574.1	8220.4	8333.2	7637.6	6797.4	6237.2	5705.4	4712.2	3624.4	2829.3	2121.1
72.5°	6046.5	6452.9	6683.6	6204.6	5579.2	5172.8	4769.9	3615.2	2734.8	2087.7	1459.8
75°	4727.2	4703.0	4909.5	4590.9	4223.1	4033.3	3730.6	2522.5	1831.9	1382.9	923.9
77.5°	4041.6	3730.6	3495.7	3271.6	3053.4	2993.2	2703.1	1565.1	1132.1	828.6	552.7
80°	3359.4	2791.7	2362.8	2047.6	1969.8	2088.5	1769.2	923.0	670.5	475.7	347.0
82.5°	2400.4	2008.3	1634.5	1434.7	1301.8	1490.7	1043.4	512.5	363.7	285.1	229.9
85°	1555.9	1487.4	1471.5	1406.3	1244.9	1175.5	792.6	441.5	272.6	177.2	143.0
87.5°	598.6	767.5	885.4	949.0	1025.9	913.8	413.0	152.2	149.7	92.0	69.4
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°	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1
2.5°	1448.1	1444.8	1443.9	1441.4	1439.7	1439.7	1435.6	1359.5	1358.6	1358.6	1357.8
5°	1479.0	1474.8	1470.7	1469.8	1466.5	1466.5	1462.3	1386.2	1386.2	1386.2	1384.6
7.5°	1520.8	1512.5	1507.5	1504.9	1499.9	1502.4	1505.8	1428.9	1429.7	1428.9	1430.5
10°	1550.9	1545.9	1540.1	1538.4	1535.0	1537.6	1542.6	1466.5	1469.0	1469.8	1471.5
12.5°	1580.2	1571.8	1564.3	1561.8	1560.1	1566.8	1572.7	1499.1	1501.6	1504.1	1504.1
15°	1616.1	1601.9	1591.9	1586.0	1582.7	1589.4	1597.8	1525.0	1525.9	1528.4	1527.5
17.5°	1677.2	1656.3	1632.9	1628.7	1617.8	1620.3	1622.0	1540.9	1537.6	1531.7	1521.7
20°	1771.7	1739.9	1708.1	1694.7	1673.0	1663.8	1645.4	1541.7	1520.8	1503.3	1488.2
22.5°	1907.1	1860.3	1826.0	1803.4	1759.1	1728.2	1678.0	1537.6	1498.3	1468.2	1444.8
25°	2126.2	2070.1	2017.5	1960.6	1891.2	1829.3	1755.8	1574.3	1513.3	1461.5	1416.3
27.5°	2339.4	2250.7	2169.6	2084.4	1986.5	1893.7	1790.1	1586.0	1516.7	1449.8	1376.2
30°	2499.1	2370.3	2247.4	2122.8	1994.9	1874.5	1757.4	1545.9	1463.1	1387.9	1310.1
32.5°	2596.0	2428.8	2269.1	2114.5	1964.0	1828.5	1697.2	1476.5	1385.4	1296.8	1214.0
35°	2688.0	2480.7	2282.5	2100.2	1928.0	1777.5	1636.2	1395.4	1286.7	1192.3	1087.7
37.5°	2801.7	2535.0	2290.9	2074.3	1875.3	1703.1	1547.6	1293.4	1184.7	1068.5	969.9
40°	2938.0	2591.0	2282.5	2022.5	1793.4	1605.3	1440.6	1186.4	1065.2	952.3	855.3
42.5°	3067.6	2640.3	2260.8	1953.1	1703.9	1503.3	1342.7	1091.1	969.9	854.5	758.3
45°	3163.7	2682.2	2249.9	1904.6	1635.4	1433.9	1256.6	1014.2	886.2	770.0	672.2
47.5°	3230.6	2707.2	2244.9	1877.8	1587.7	1362.0	1178.0	937.2	802.6	685.6	590.3
50°	3265.7	2706.4	2232.3	1848.6	1517.5	1275.9	1096.9	859.5	725.7	611.2	524.2
52.5°	3274.9	2691.4	2205.6	1795.1	1432.2	1189.7	1010.0	778.4	658.0	548.5	460.7
55°	3254.0	2654.6	2149.6	1705.6	1341.1	1098.6	930.6	714.9	591.9	488.3	419.7
57.5°	3194.7	2589.3	2044.2	1582.7	1244.9	1014.2	839.4	637.9	520.0	433.1	376.2
60°	3084.3	2451.4	1879.5	1437.2	1122.9	885.4	714.0	537.6	444.0	378.7	332.8
62.5°	2880.3	2234.8	1647.9	1236.6	947.3	718.2	570.2	428.9	358.7	316.0	287.6
65°	2551.7	1908.8	1379.5	974.0	719.9	522.6	423.9	322.7	271.7	245.8	237.4
67.5°	2082.7	1474.0	1003.3	676.4	487.4	366.2	295.1	235.8	211.5	201.5	198.2
70°	1514.1	1004.1	649.6	427.2	321.9	255.8	223.2	189.8	176.4	173.9	173.9
72.5°	950.6	610.3	398.0	292.6	244.1	207.3	190.6	167.2	162.2	160.5	158.0
75°	557.7	370.4	281.8	240.0	209.0	185.6	171.4	152.2	148.8	148.0	145.5
77.5°	355.3	266.7	227.4	204.8	189.0	168.1	155.5	135.4	134.6	133.8	132.9
80°	255.0	221.6	199.0	181.4	165.5	146.3	138.8	122.9	121.2	120.4	122.1
82.5°	193.1	183.1	173.9	160.5	138.8	124.6	118.7	107.9	108.7	104.5	103.7
85°	132.9	131.3	130.4	124.6	108.7	96.1	92.0	86.1	90.3	86.1	81.1
87.5°	65.2	64.4	59.4	70.2	65.2	51.8	46.8	51.8	57.7	56.0	51.8
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: P158903

CATALOG NUMBER: VST-F06-LED-E-U-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1
2.5°	1354.5	1351.1	1353.6	1351.9	1351.9	1351.1	1352.8	1350.3	1348.6	1350.3	1351.1
5°	1381.2	1377.0	1377.9	1372.0	1374.5	1368.7	1370.3	1366.2	1362.0	1360.3	1360.3
7.5°	1426.4	1422.2	1417.2	1416.3	1407.1	1403.8	1397.9	1394.6	1392.1	1386.2	1382.9
10°	1467.3	1460.6	1454.8	1453.9	1444.8	1436.4	1428.9	1422.2	1418.0	1409.6	1405.5
12.5°	1500.8	1494.1	1484.9	1479.9	1470.7	1460.6	1455.6	1445.6	1439.7	1430.5	1423.0
15°	1520.0	1508.3	1494.9	1485.7	1472.3	1461.5	1453.9	1446.4	1440.6	1428.9	1418.0
17.5°	1510.8	1491.6	1473.2	1456.5	1438.1	1428.0	1417.2	1408.0	1406.3	1392.9	1376.2
20°	1472.3	1449.8	1425.5	1402.9	1378.7	1364.5	1351.1	1336.9	1332.7	1316.8	1295.1
22.5°	1425.5	1399.6	1372.0	1344.4	1313.5	1293.4	1273.4	1255.8	1241.6	1218.2	1187.2
25°	1377.9	1339.4	1299.3	1264.2	1228.2	1203.1	1182.2	1163.0	1146.3	1108.6	1076.9
27.5°	1315.2	1255.0	1214.0	1173.9	1130.4	1097.8	1074.4	1047.6	1029.2	985.7	952.3
30°	1234.9	1174.7	1116.2	1076.0	1032.6	997.4	967.3	928.9	902.1	870.4	839.4
32.5°	1133.7	1073.5	1014.2	969.0	933.1	889.6	852.0	815.2	784.2	753.3	729.1
35°	1010.8	952.3	896.3	851.1	811.0	776.7	740.8	709.0	673.9	640.4	626.2
37.5°	881.2	818.5	756.7	717.4	685.6	661.3	627.9	602.0	570.2	550.1	533.4
40°	768.4	701.5	642.9	609.5	584.4	556.8	529.2	509.2	486.6	466.5	454.0
42.5°	673.0	610.3	560.2	531.7	501.6	471.6	450.6	433.9	419.7	404.7	389.6
45°	585.3	525.1	483.3	448.1	423.1	398.8	384.6	377.1	368.7	359.5	349.5
47.5°	511.7	459.8	418.9	386.3	360.4	343.6	336.9	334.4	331.1	323.6	318.5
50°	455.7	413.0	371.2	342.0	320.2	311.9	304.3	301.8	297.6	295.1	291.8
52.5°	408.8	363.7	328.6	301.8	288.4	285.1	281.8	278.4	277.6	275.9	274.2
55°	370.4	331.1	298.5	278.4	271.7	269.2	268.4	265.0	264.2	264.2	261.7
57.5°	336.1	302.7	273.4	260.9	256.7	254.2	252.5	250.8	250.8	252.5	251.7
60°	301.0	272.6	255.0	248.3	245.8	241.6	237.4	235.8	236.6	240.8	240.8
62.5°	266.7	245.8	234.9	232.4	229.9	226.6	221.6	219.9	221.6	226.6	229.1
65°	229.1	219.9	216.5	214.9	213.2	210.7	207.3	205.7	206.5	209.0	212.4
67.5°	194.8	194.0	194.0	194.8	194.0	193.1	191.5	189.0	188.1	188.1	189.8
70°	173.9	173.9	176.4	176.4	175.6	175.6	173.1	170.6	168.9	167.2	168.1
72.5°	158.0	158.0	158.9	159.7	158.9	158.9	155.5	153.8	149.7	148.8	147.2
75°	144.6	143.0	143.0	142.1	141.3	142.1	138.8	134.6	132.9	132.1	130.4
77.5°	131.3	127.9	126.2	124.6	125.4	124.6	122.1	119.6	117.1	116.2	115.4
80°	116.2	111.2	108.7	104.5	107.0	107.9	106.2	103.7	102.8	102.0	101.2
82.5°	96.1	91.1	87.8	85.3	83.6	85.3	87.8	93.6	92.0	91.1	89.5
85°	75.2	66.9	62.7	63.5	59.4	60.2	67.7	71.1	71.1	72.7	71.1
87.5°	42.6	41.0	30.9	28.4	30.1	36.0	40.1	44.3	44.3	41.8	46.8
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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CATALOG NUMBER: VST-F06-LED-E-U-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1
2.5°	1351.1	1352.8	1353.6	1357.0	1358.6	1359.5	1360.3	1362.0	1362.8	1362.0	1366.2
5°	1357.8	1357.8	1356.1	1358.6	1359.5	1359.5	1357.8	1359.5	1359.5	1359.5	1363.7
7.5°	1375.4	1370.3	1367.8	1364.5	1362.0	1358.6	1354.5	1354.5	1353.6	1354.5	1357.0
10°	1393.7	1386.2	1377.0	1368.7	1361.1	1355.3	1347.8	1345.3	1344.4	1343.6	1350.3
12.5°	1408.0	1394.6	1380.4	1366.2	1351.1	1341.1	1328.5	1321.0	1320.2	1320.2	1328.5
15°	1397.9	1376.2	1348.6	1323.5	1310.1	1295.9	1281.7	1272.5	1271.7	1273.4	1278.4
17.5°	1347.8	1312.6	1288.4	1264.2	1246.6	1234.9	1225.7	1224.0	1227.4	1224.0	1230.7
20°	1262.5	1224.9	1208.1	1188.9	1182.2	1173.9	1160.5	1148.8	1148.8	1133.7	1137.9
22.5°	1152.1	1131.2	1109.5	1094.4	1089.4	1075.2	1061.0	1045.1	1043.4	1025.0	1022.5
25°	1036.7	1015.8	998.3	994.9	979.9	960.7	947.3	928.9	924.7	906.3	903.8
27.5°	918.9	902.1	884.6	874.5	866.2	845.3	833.6	811.8	803.5	783.4	780.9
30°	806.8	795.1	774.2	765.9	750.0	725.7	700.6	687.3	680.6	659.7	653.0
32.5°	701.5	683.1	667.2	657.2	637.1	609.5	586.9	567.7	555.2	530.1	523.4
35°	601.1	582.7	575.2	549.3	531.7	513.4	482.4	470.7	448.1	428.9	422.2
37.5°	512.5	495.0	484.9	463.2	445.6	427.2	408.8	393.8	382.9	378.7	378.7
40°	436.4	427.2	414.7	398.8	387.1	373.7	363.7	358.7	357.8	359.5	363.7
42.5°	382.1	372.1	363.7	355.3	347.0	345.3	342.8	346.1	350.3	354.5	358.7
45°	341.1	332.8	327.7	324.4	323.6	326.1	331.1	336.1	343.6	348.6	352.0
47.5°	311.9	305.2	303.5	302.7	306.8	314.4	321.1	328.6	334.4	339.4	342.8
50°	286.8	280.9	280.1	279.3	285.1	291.8	297.6	307.7	311.9	315.2	317.7
52.5°	269.2	264.2	261.7	262.5	268.4	274.2	282.6	290.1	296.0	298.5	301.0
55°	255.0	253.3	247.5	250.0	255.8	263.4	271.7	280.1	285.9	290.1	294.3
57.5°	244.1	240.0	235.8	240.0	245.8	253.3	263.4	270.9	278.4	284.3	288.4
60°	232.4	229.1	225.7	229.9	235.8	243.3	250.8	260.9	270.1	275.9	280.1
62.5°	222.4	219.9	216.5	217.4	219.9	224.9	229.1	238.3	246.6	254.2	259.2
65°	208.2	207.3	202.3	203.2	204.8	209.9	213.2	221.6	229.9	236.6	240.8
67.5°	187.3	185.6	185.6	188.1	189.0	191.5	194.0	202.3	209.0	214.0	219.1
70°	166.4	165.5	165.5	167.2	166.4	168.9	172.2	179.8	188.1	193.1	198.2
72.5°	146.3	146.3	145.5	147.2	147.2	148.0	152.2	158.9	166.4	170.6	173.9
75°	128.8	127.9	127.9	127.9	128.8	128.8	132.9	138.8	146.3	148.8	153.8
77.5°	112.9	112.9	112.9	112.9	113.7	112.9	115.4	119.6	122.1	126.2	126.2
80°	99.5	98.7	99.5	100.3	100.3	99.5	99.5	100.3	101.2	101.2	101.2
82.5°	87.8	85.3	87.0	91.1	91.1	91.1	90.3	84.4	80.3	80.3	81.9
85°	70.2	70.2	71.1	76.9	77.8	74.4	77.8	69.4	61.0	58.5	60.2
87.5°	43.5	34.3	41.8	47.7	47.7	45.1	50.2	46.8	39.3	31.8	30.1
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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CATALOG NUMBER: VST-F06-LED-E-U-SLL-8030

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	0°
2.5°	1369.5	1370.3	1375.4	1377.9	1377.9	1381.2	1382.9	1387.9	1387.1	1387.1	1388.7	2.5°
5°	1367.8	1370.3	1375.4	1378.7	1380.4	1384.6	1387.9	1393.7	1392.9	1394.6	1395.4	5°
7.5°	1362.0	1368.7	1373.7	1380.4	1386.2	1389.6	1393.7	1398.8	1397.1	1397.9	1397.1	7.5°
10°	1357.0	1363.7	1373.7	1382.9	1391.2	1396.3	1398.8	1404.6	1403.8	1405.5	1405.5	10°
12.5°	1336.9	1348.6	1361.1	1375.4	1387.9	1401.3	1409.6	1422.2	1428.0	1435.6	1443.9	12.5°
15°	1285.9	1299.3	1319.3	1335.2	1359.5	1377.9	1402.1	1426.4	1448.1	1469.0	1493.2	15°
17.5°	1235.7	1241.6	1257.5	1279.2	1300.9	1328.5	1357.8	1401.3	1440.6	1483.2	1530.0	17.5°
20°	1142.9	1153.0	1163.8	1189.7	1215.7	1255.0	1290.9	1347.8	1405.5	1472.3	1544.2	20°
22.5°	1028.4	1038.4	1050.1	1079.4	1111.2	1151.3	1194.8	1258.3	1335.2	1422.2	1518.3	22.5°
25°	904.6	910.5	919.7	949.0	968.2	1020.9	1073.5	1139.6	1223.2	1335.2	1447.3	25°
27.5°	768.4	779.2	786.8	800.1	844.4	889.6	944.8	1015.8	1117.0	1231.5	1367.0	27.5°
30°	637.9	647.1	642.9	671.4	700.6	748.3	807.7	886.2	983.2	1119.5	1275.9	30°
32.5°	510.0	516.7	514.2	534.3	563.5	611.2	667.2	752.5	855.3	1000.8	1170.5	32.5°
35°	420.5	422.2	431.4	440.6	465.7	504.2	551.8	626.2	731.6	865.3	1045.1	35°
37.5°	378.7	382.1	387.9	400.5	418.9	446.5	485.8	543.5	633.8	751.6	912.2	37.5°
40°	366.2	368.7	372.1	380.4	398.0	422.2	457.3	505.8	571.9	671.4	801.8	40°
42.5°	360.4	360.4	360.4	365.4	378.7	404.7	444.8	492.5	550.1	625.4	730.7	42.5°
45°	352.0	352.0	351.2	353.7	362.9	388.8	432.3	485.8	547.6	619.5	710.7	45°
47.5°	342.8	342.0	339.4	339.4	345.3	371.2	416.4	474.1	541.8	624.6	722.4	47.5°
50°	317.7	317.7	317.7	320.2	325.2	348.6	397.1	458.2	535.9	627.9	740.8	50°
52.5°	303.5	304.3	306.8	306.8	311.9	336.1	387.1	454.8	539.3	640.4	764.2	52.5°
55°	296.8	299.3	301.8	301.8	306.0	331.1	383.8	457.3	551.8	666.4	804.3	55°
57.5°	291.0	293.5	295.1	295.1	298.5	320.2	374.6	453.2	559.3	691.4	853.6	57.5°
60°	280.1	281.8	282.6	282.6	283.4	301.8	353.7	433.1	542.6	689.8	880.4	60°
62.5°	260.0	263.4	264.2	265.0	265.0	282.6	326.9	400.5	506.7	664.7	872.9	62.5°
65°	245.0	246.6	249.2	250.8	254.2	265.9	301.0	361.2	459.8	614.5	831.1	65°
67.5°	221.6	224.1	226.6	229.9	233.3	240.8	268.4	316.9	396.3	529.2	737.4	67.5°
70°	200.7	201.5	204.0	208.2	209.0	213.2	233.3	266.7	324.4	424.7	593.6	70°
72.5°	174.7	176.4	179.8	184.8	184.8	188.1	199.8	217.4	254.2	324.4	438.1	72.5°
75°	152.2	153.8	156.3	156.3	152.2	153.0	161.4	173.9	201.5	244.1	319.4	75°
77.5°	126.2	129.6	132.1	127.1	125.4	127.9	132.1	141.3	161.4	194.0	240.0	77.5°
80°	104.5	106.2	107.0	107.9	106.2	108.7	112.0	117.9	131.3	156.3	189.8	80°
82.5°	83.6	85.3	87.8	91.1	91.1	100.3	101.2	101.2	108.7	124.6	148.8	82.5°
85°	61.9	65.2	68.6	72.7	73.6	78.6	76.1	75.2	77.8	92.8	102.8	85°
87.5°	31.8	34.3	36.0	39.3	35.1	36.8	36.8	34.3	30.1	37.6	41.8	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°
1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1
1390.4	1388.7	1390.4	1390.4	1392.9	1391.2	1479.9
1397.1	1395.4	1397.1	1398.8	1401.3	1401.3	1499.1
1397.9	1397.9	1396.3	1400.4	1403.8	1407.1	1517.5
1408.0	1408.0	1409.6	1410.5	1418.0	1426.4	1547.6
1448.9	1453.1	1460.6	1463.1	1476.5	1485.7	1624.5
1511.6	1535.0	1550.1	1555.1	1566.8	1584.4	1754.1
1575.2	1614.5	1655.4	1680.5	1695.6	1716.5	1913.0
1622.8	1696.4	1766.6	1829.3	1865.3	1906.3	2135.4
1627.0	1744.1	1862.8	1979.0	2075.2	2151.2	2436.3
1586.9	1740.7	1904.6	2082.7	2248.2	2385.3	2782.5
1535.9	1724.8	1933.9	2161.3	2378.7	2581.0	3037.5
1471.5	1698.1	1938.9	2194.7	2449.7	2693.0	3183.0
1373.7	1618.7	1878.7	2161.3	2457.2	2753.2	3276.6
1248.3	1498.3	1765.0	2086.9	2422.1	2777.5	3355.2
1120.4	1367.0	1653.8	1987.4	2366.1	2773.3	3387.0
984.9	1229.9	1523.3	1881.2	2290.0	2734.8	3381.1
892.9	1116.2	1403.8	1773.3	2205.6	2683.8	3341.8
839.4	1035.1	1309.3	1674.7	2128.7	2622.8	3292.5
838.6	1010.8	1259.1	1604.4	2050.9	2555.1	3225.6
867.9	1025.9	1253.3	1574.3	2008.3	2505.7	3152.9
902.1	1067.7	1284.2	1585.2	2007.4	2484.0	3101.9
956.5	1138.7	1351.9	1632.0	2029.2	2480.7	3039.2
1025.9	1234.9	1474.0	1747.4	2113.6	2546.7	3043.3
1096.9	1347.8	1633.7	1944.7	2280.0	2700.5	3175.4
1122.9	1434.7	1795.9	2176.3	2529.2	2931.3	3448.0
1100.3	1454.8	1894.6	2356.1	2771.6	3201.4	3773.2
1016.7	1373.7	1854.4	2407.1	2911.2	3392.8	4098.5
836.9	1172.2	1672.2	2292.5	2900.4	3432.1	4215.5
613.7	908.8	1359.5	1948.1	2578.5	3186.3	4040.0
443.1	642.9	981.6	1467.3	2038.4	2565.9	3388.6
317.7	445.6	637.1	964.0	1388.7	1786.7	2415.4
228.3	302.7	397.1	578.6	846.1	1096.9	1517.5
168.1	207.3	260.9	359.5	498.3	638.8	913.8
114.5	122.1	157.2	212.4	326.9	469.9	620.4
43.5	49.3	57.7	87.0	146.3	168.1	118.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)