

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: P158898

Luminaire Tested: **VST-E06-LED-E-U-SLL-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158898  
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-E06-LED-E-U-SLL-8030  
Description: VENTUS LED SITE/ROADWAY LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (126) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13608.2 lumens  
Efficiency: N/A  
Efficacy: 90.4 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

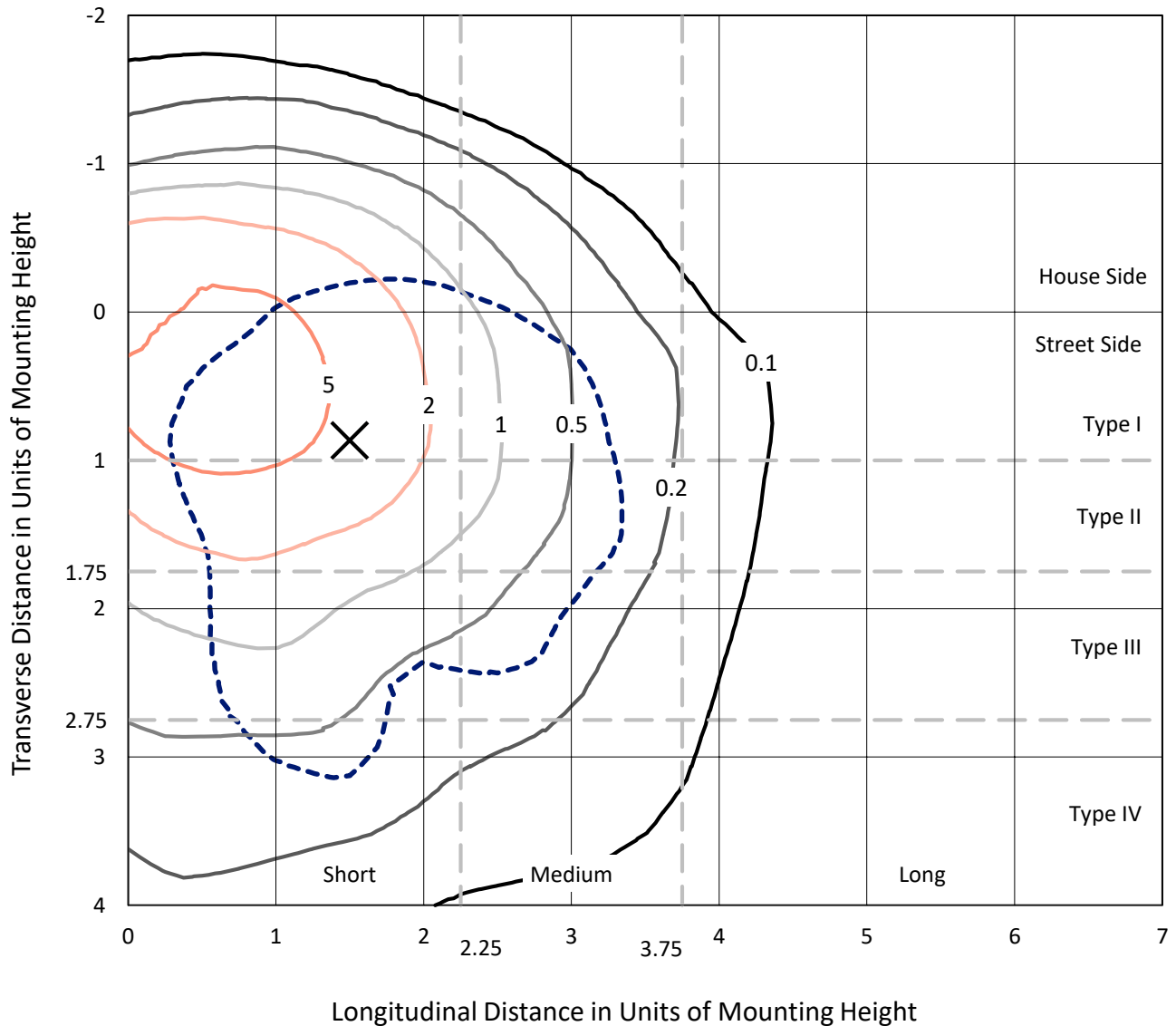
Input Watts (W): 150.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

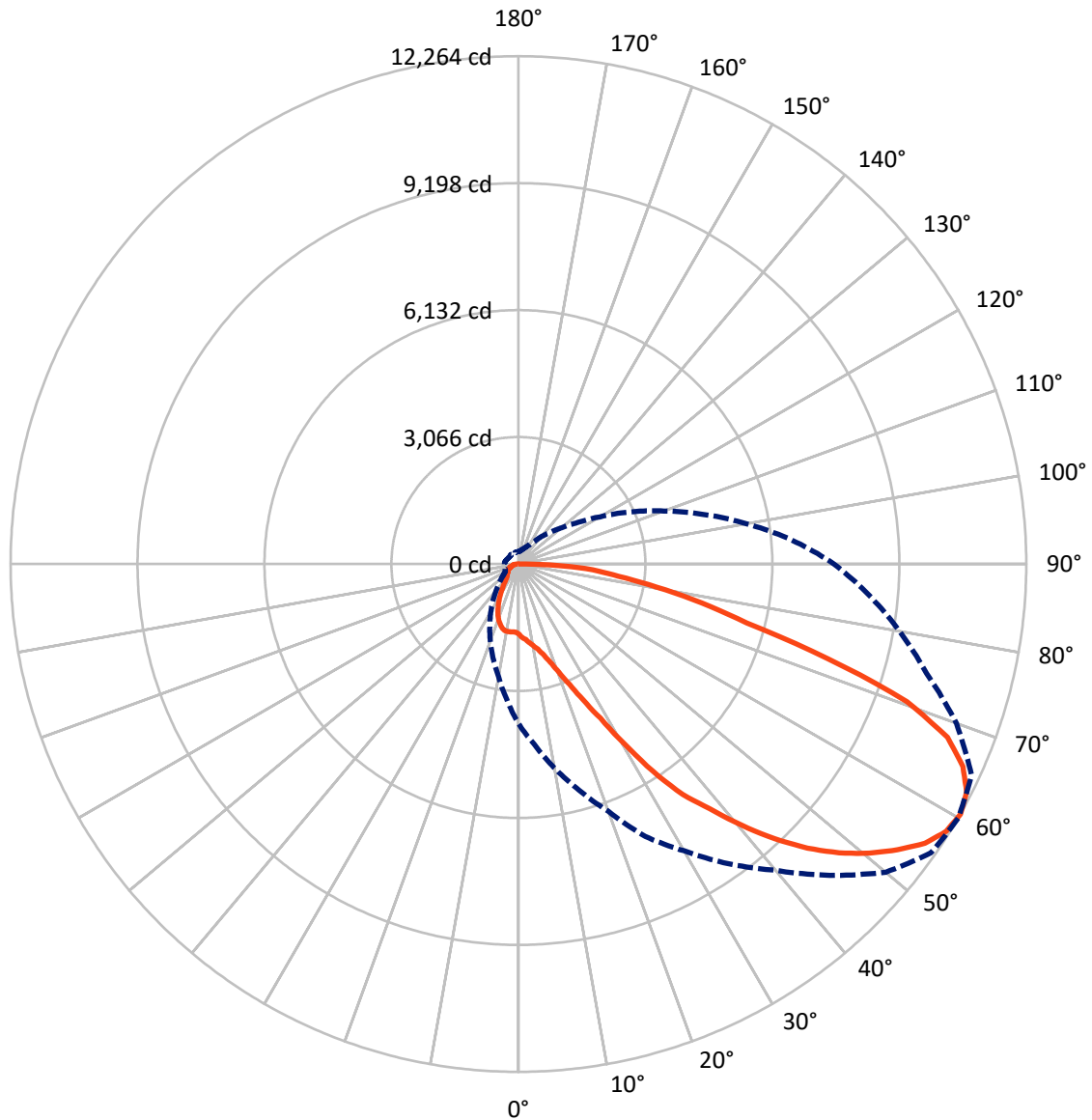
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.8 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3064.2	0.0	3064.2
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	10544.1	0.0	10544.1
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	13608.2	0.0	13608.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.0	1.2
10°-20°	539.1	4.0
20°-30°	1023.0	7.5
30°-40°	1611.0	11.8
40°-50°	2248.6	16.5
50°-60°	2781.0	20.4
60°-70°	2882.6	21.2
70°-80°	1813.8	13.3
80°-90°	542.2	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°	13608.2	100.0
0°-180°	13608.2	100.0



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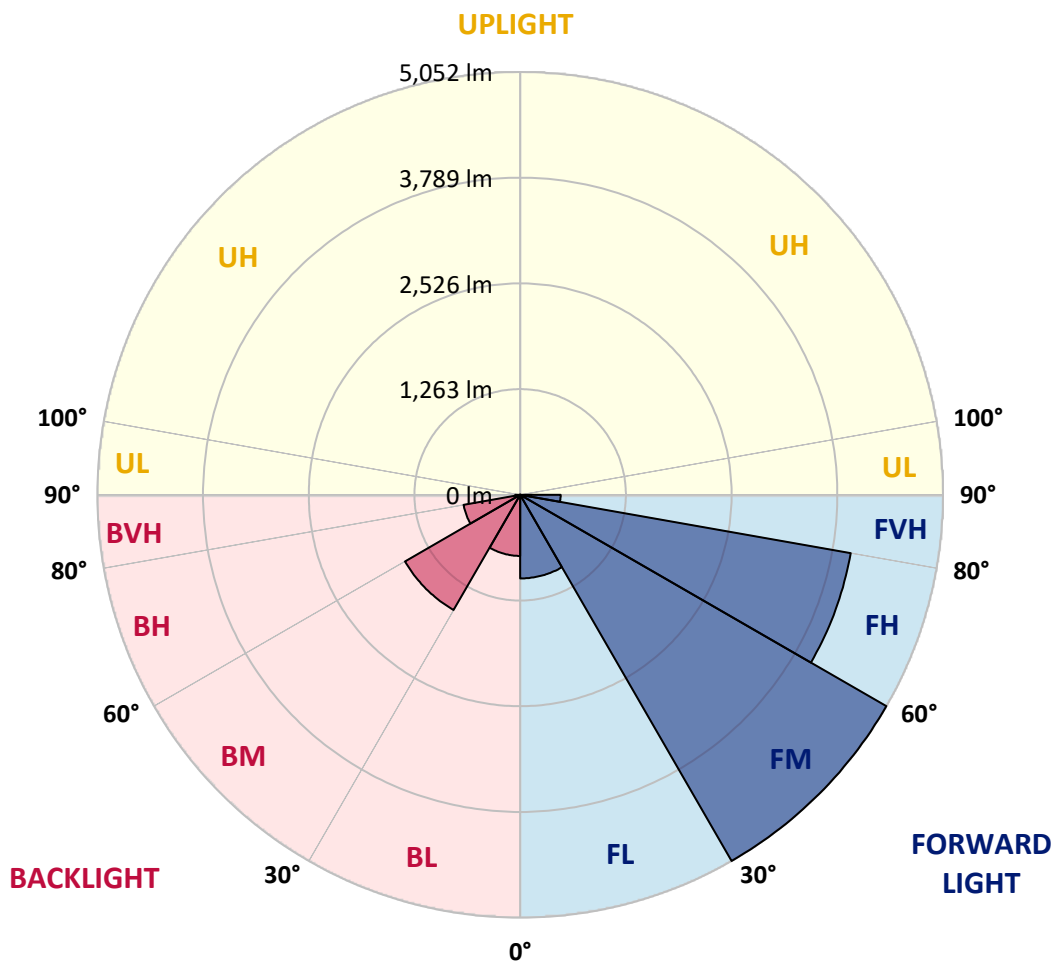
CATALOG NUMBER: VST-E06-LED-E-U-SLL-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	999.0	7.3			
FM	(30°-60°)	5051.6	37.1			
FH	(60°-80°)	4010.2	29.5			G2/5000
FVH	(80°-90°)	483.2	3.6			G3/500
BL	(0°-30°)	730.0	5.4	B2/1000		
BM	(30°-60°)	1588.9	11.7	B2/2500		
BH	(60°-80°)	686.2	5.0	B2/1000		G2/1000
BVH	(80°-90°)	59.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
2.5°	1792.6	1790.6	1790.6	1790.6	1789.6	1787.6	1790.6	1789.6	1784.5	1781.5	1784.5
5°	1815.9	1816.9	1820.0	1821.0	1821.0	1824.0	1832.1	1833.1	1832.1	1834.2	1839.2
7.5°	1838.2	1843.3	1846.3	1851.4	1857.5	1862.5	1876.7	1890.9	1900.0	1907.1	1909.1
10°	1874.7	1882.8	1891.9	1905.1	1919.2	1944.6	1956.7	1970.9	1980.0	1994.2	1997.2
12.5°	1967.8	1978.0	1984.1	2004.3	2022.5	2046.8	2064.1	2068.1	2089.4	2101.5	2115.7
15°	2124.8	2140.0	2161.3	2173.4	2193.7	2215.0	2230.2	2250.4	2253.5	2269.7	2280.8
17.5°	2317.3	2338.5	2382.1	2411.5	2437.8	2459.1	2489.4	2512.7	2517.8	2536.0	2512.7
20°	2586.7	2638.3	2645.4	2704.1	2727.4	2770.0	2830.7	2841.9	2871.3	2841.9	2824.7
22.5°	2951.3	3032.3	3054.6	3111.3	3139.6	3204.5	3222.7	3282.4	3302.7	3280.4	3233.8
25°	3370.6	3496.1	3561.0	3648.1	3662.2	3794.9	3809.1	3879.0	3841.5	3787.8	3788.8
27.5°	3679.5	3893.2	4060.3	4209.2	4313.5	4463.4	4579.8	4612.2	4576.8	4506.9	4482.6
30°	3855.7	4097.7	4337.8	4543.4	4786.4	5015.3	5253.3	5371.8	5392.1	5428.5	5281.7
32.5°	3969.1	4280.0	4565.7	4819.9	5069.0	5363.7	5682.8	5987.6	6243.8	6437.3	6346.1
35°	4064.3	4448.2	4813.8	5121.7	5416.4	5737.5	6059.5	6419.1	6843.4	7091.5	7143.2
37.5°	4102.8	4571.7	5019.4	5414.4	5828.6	6190.2	6510.2	6830.2	7275.9	7718.5	7855.2
40°	4095.7	4632.5	5141.9	5638.2	6145.6	6597.3	6972.0	7350.8	7872.4	8389.9	8612.8
42.5°	4048.1	4641.6	5219.9	5787.1	6365.4	6966.0	7445.0	7881.5	8381.8	9045.2	9360.2
45°	3988.4	4610.2	5236.1	5863.0	6528.4	7223.2	7828.9	8368.7	8955.1	9610.4	9991.2
47.5°	3907.3	4560.6	5215.9	5889.4	6601.4	7388.3	8100.3	8749.5	9394.6	10149.2	10632.3
50°	3819.2	4489.7	5174.3	5870.1	6619.6	7478.4	8255.2	8994.6	9748.1	10562.4	11173.1
52.5°	3757.4	4413.7	5136.9	5830.6	6601.4	7505.8	8312.0	9126.2	9964.8	10806.5	11535.7
55°	3681.5	4312.5	5036.6	5738.5	6534.5	7490.6	8305.9	9171.8	10024.6	10900.6	11733.2
57.5°	3686.6	4265.9	4951.5	5628.1	6397.8	7349.8	8191.4	9126.2	9930.4	10839.9	11740.3
60°	3846.6	4366.1	4996.1	5650.4	6357.3	7260.7	7997.0	8832.5	9653.9	10630.2	11576.2
62.5°	4176.7	4652.8	5225.0	5873.2	6585.2	7438.9	7908.9	8344.4	9073.6	10244.4	11296.6
65°	4570.7	5000.1	5496.4	6113.2	6911.3	7728.6	7859.2	7947.4	8316.0	9493.9	10772.0
67.5°	4964.7	5348.5	5738.5	6249.9	7096.6	7811.6	7656.7	7447.0	7645.5	8621.9	9741.0
70°	5106.5	5615.9	5872.2	6223.6	6955.8	7618.2	7329.6	6801.9	6870.8	7758.0	8576.3
72.5°	4893.8	5620.0	5705.0	5835.7	6328.9	6951.8	6646.9	5968.4	5954.2	6631.7	7293.1
75°	4104.8	5126.7	5125.7	5077.1	5188.5	5543.0	5385.0	4975.8	5149.0	5682.8	5900.5
77.5°	2925.9	4000.5	4051.2	3724.0	3715.9	3875.9	3971.1	4447.2	5075.1	5374.9	5306.0
80°	1838.2	2699.1	2916.8	2512.7	2426.6	2653.5	3241.9	3934.7	4707.4	4976.8	4744.9
82.5°	1107.0	1739.0	2202.8	1973.9	1953.7	2366.9	3017.1	3286.5	3518.4	3805.0	3417.2
85°	751.5	1158.6	1507.0	1552.6	1729.8	2157.2	2439.8	2320.3	2326.4	2251.4	2050.9
87.5°	143.8	316.0	516.5	630.0	698.8	938.9	1020.9	924.7	976.3	714.0	780.9
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°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
2.5°	1779.5	1779.5	1779.5	1774.4	1775.4	1768.3	1765.3	1765.3	1762.3	1762.3	1761.2
5°	1835.2	1829.1	1832.1	1831.1	1831.1	1821.0	1815.9	1815.9	1802.8	1803.8	1799.7
7.5°	1918.2	1917.2	1920.2	1914.2	1906.1	1898.0	1889.9	1885.8	1867.6	1856.4	1849.4
10°	2012.4	2011.4	2014.4	2013.4	1999.2	1984.1	1961.8	1945.6	1923.3	1906.1	1888.9
12.5°	2115.7	2114.7	2112.7	2103.6	2088.4	2064.1	2035.7	2008.4	1974.9	1952.7	1927.3
15°	2276.7	2273.7	2261.6	2248.4	2232.2	2194.7	2145.1	2105.6	2061.0	2022.5	1981.0
17.5°	2514.8	2489.4	2487.4	2458.0	2414.5	2364.9	2318.3	2252.4	2188.6	2130.9	2074.2
20°	2842.9	2784.2	2768.0	2734.5	2676.8	2625.1	2523.9	2435.8	2348.7	2269.7	2197.8
22.5°	3200.4	3157.9	3118.4	3063.7	2984.7	2909.7	2781.1	2670.7	2559.3	2458.0	2378.0
25°	3699.7	3625.8	3554.9	3467.8	3358.4	3269.3	3122.4	3011.0	2865.2	2773.0	2657.6
27.5°	4344.9	4218.3	4098.8	4023.8	3831.4	3701.7	3514.4	3370.6	3194.3	3069.8	2933.0
30°	5184.5	5037.6	4860.4	4601.1	4372.2	4115.0	3883.0	3698.7	3511.3	3337.1	3179.1
32.5°	6225.6	5966.3	5685.8	5274.6	4898.9	4532.2	4223.3	3996.5	3805.0	3588.3	3365.5
35°	7105.7	6838.4	6440.3	5917.7	5453.9	5034.6	4664.9	4355.0	4104.8	3830.4	3535.6
37.5°	7800.5	7495.7	7121.9	6566.9	6076.7	5599.7	5211.8	4816.8	4488.7	4110.9	3738.2
40°	8596.6	8290.7	7879.5	7304.2	6723.9	6206.4	5751.6	5343.5	4940.4	4479.6	4000.5
42.5°	9290.3	9069.5	8653.3	8058.8	7415.6	6839.4	6342.1	5875.2	5348.5	4833.0	4265.9
45°	10013.4	9788.6	9393.6	8771.8	8088.1	7446.0	6851.5	6349.2	5727.3	5113.6	4464.4
47.5°	10652.5	10421.6	10022.6	9404.8	8678.6	8002.0	7347.8	6740.1	6018.0	5313.1	4594.0
50°	11262.2	10979.6	10614.0	9998.3	9222.5	8499.3	7789.4	7009.5	6243.8	5452.9	4682.1
52.5°	11822.3	11462.7	11116.4	10482.4	9643.8	8888.2	8096.2	7238.4	6382.6	5563.3	4741.9
55°	12140.3	11908.4	11494.1	10871.3	9943.6	9155.6	8290.7	7399.4	6520.3	5641.2	4767.2
57.5°	12238.5	12181.8	11834.4	11096.1	10119.8	9302.5	8422.4	7527.0	6612.5	5663.5	4731.8
60°	12160.6	12263.9	12073.5	11254.1	10199.8	9346.0	8487.2	7618.2	6628.7	5592.6	4624.4
62.5°	11910.4	12145.4	12121.1	11306.8	10158.3	9291.3	8480.1	7571.6	6476.8	5371.8	4383.4
65°	11499.2	11794.9	11899.3	11111.3	9924.3	9091.8	8299.8	7278.9	6054.5	4940.4	3979.2
67.5°	10725.4	11173.1	11274.4	10471.2	9312.6	8539.8	7780.2	6671.2	5272.6	4273.0	3348.3
70°	9174.9	9957.7	10094.5	9251.8	8234.0	7555.4	6911.3	5708.1	4390.4	3427.3	2569.4
72.5°	7324.5	7816.7	8096.2	7515.9	6758.3	6266.1	5778.0	4379.3	3312.8	2528.9	1768.3
75°	5726.3	5696.9	5947.1	5561.2	5115.6	4885.7	4519.1	3055.6	2219.0	1675.2	1119.1
77.5°	4895.8	4519.1	4234.5	3963.0	3698.7	3625.8	3274.3	1895.9	1371.3	1003.7	669.5
80°	4069.4	3381.7	2862.1	2480.3	2386.1	2529.9	2143.1	1118.1	812.3	576.3	420.3
82.5°	2907.7	2432.7	1980.0	1737.9	1576.9	1805.8	1264.0	620.8	440.6	345.4	278.5
85°	1884.8	1801.8	1782.5	1703.5	1508.0	1424.0	960.1	534.8	330.2	214.7	173.2
87.5°	725.2	929.7	1072.5	1149.5	1242.7	1107.0	500.3	184.3	181.3	111.4	84.1
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°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
2.5°	1754.2	1750.1	1749.1	1746.0	1744.0	1744.0	1739.0	1646.8	1645.8	1645.8	1644.8
5°	1791.6	1786.6	1781.5	1780.5	1776.4	1776.4	1771.4	1679.2	1679.2	1679.2	1677.2
7.5°	1842.3	1832.1	1826.1	1823.0	1816.9	1820.0	1824.0	1730.9	1731.9	1730.9	1732.9
10°	1878.7	1872.6	1865.6	1863.5	1859.5	1862.5	1868.6	1776.4	1779.5	1780.5	1782.5
12.5°	1914.2	1904.0	1894.9	1891.9	1889.9	1898.0	1905.1	1815.9	1819.0	1822.0	1822.0
15°	1957.7	1940.5	1928.4	1921.3	1917.2	1925.3	1935.4	1847.3	1848.3	1851.4	1850.4
17.5°	2031.7	2006.3	1978.0	1972.9	1959.7	1962.8	1964.8	1866.6	1862.5	1855.4	1843.3
20°	2146.1	2107.6	2069.1	2052.9	2026.6	2015.5	1993.2	1867.6	1842.3	1821.0	1802.8
22.5°	2310.2	2253.5	2211.9	2184.6	2130.9	2093.4	2032.7	1862.5	1814.9	1778.5	1750.1
25°	2575.5	2507.7	2443.9	2375.0	2290.9	2216.0	2126.9	1907.1	1833.1	1770.4	1715.7
27.5°	2833.8	2726.4	2628.2	2524.9	2406.4	2294.0	2168.4	1921.3	1837.2	1756.2	1667.1
30°	3027.2	2871.3	2722.4	2571.5	2416.5	2270.7	2128.9	1872.6	1772.4	1681.2	1587.0
32.5°	3144.7	2942.2	2748.7	2561.3	2379.0	2215.0	2056.0	1788.6	1678.2	1570.8	1470.6
35°	3256.1	3004.9	2764.9	2544.1	2335.5	2153.2	1982.0	1690.3	1558.7	1444.2	1317.6
37.5°	3393.9	3070.8	2775.0	2512.7	2271.7	2063.1	1874.7	1566.8	1435.1	1294.3	1174.8
40°	3558.9	3138.6	2764.9	2449.9	2172.4	1944.6	1745.0	1437.1	1290.3	1153.6	1036.1
42.5°	3715.9	3198.4	2738.6	2365.9	2064.1	1821.0	1626.5	1321.7	1174.8	1035.1	918.6
45°	3832.4	3249.0	2725.4	2307.1	1981.0	1736.9	1522.2	1228.5	1073.6	932.8	814.3
47.5°	3913.4	3279.4	2719.3	2274.7	1923.3	1649.8	1427.0	1135.3	972.3	830.5	715.0
50°	3956.0	3278.4	2704.1	2239.3	1838.2	1545.5	1328.8	1041.1	879.1	740.3	635.0
52.5°	3967.1	3260.2	2671.7	2174.5	1734.9	1441.2	1223.4	942.9	797.1	664.4	558.0
55°	3941.8	3215.6	2603.9	2066.1	1624.5	1330.8	1127.2	865.9	717.1	591.5	508.4
57.5°	3869.9	3136.6	2476.3	1917.2	1508.0	1228.5	1016.8	772.8	630.0	524.6	455.8
60°	3736.2	2969.5	2276.7	1741.0	1360.2	1072.5	864.9	651.2	537.8	458.8	403.1
62.5°	3489.1	2707.2	1996.2	1497.9	1147.5	870.0	690.7	519.6	434.5	382.8	348.4
65°	3091.0	2312.2	1671.1	1179.9	872.0	633.0	513.5	390.9	329.2	297.8	287.6
67.5°	2522.9	1785.5	1215.3	819.3	590.5	443.6	357.5	285.6	256.2	244.1	240.0
70°	1834.2	1216.4	786.9	517.5	389.9	309.9	270.4	229.9	213.7	210.7	210.7
72.5°	1151.5	739.3	482.1	354.5	295.7	251.2	230.9	202.6	196.5	194.5	191.4
75°	675.5	448.7	341.3	290.7	253.2	224.8	207.6	184.3	180.3	179.3	176.2
77.5°	430.4	323.1	275.5	248.1	228.9	203.6	188.4	164.1	163.1	162.0	161.0
80°	308.9	268.4	241.0	219.8	200.5	177.2	168.1	148.9	146.9	145.8	147.9
82.5°	234.0	221.8	210.7	194.5	168.1	150.9	143.8	130.6	131.7	126.6	125.6
85°	161.0	159.0	158.0	150.9	131.7	116.5	111.4	104.3	109.4	104.3	98.2
87.5°	79.0	78.0	71.9	85.1	79.0	62.8	56.7	62.8	69.9	67.9	62.8
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-E06-LED-E-U-SLL-8030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
2.5°	1640.7	1636.7	1639.7	1637.7	1637.7	1636.7	1638.7	1635.7	1633.6	1635.7	1636.7
5°	1673.1	1668.1	1669.1	1662.0	1665.0	1657.9	1660.0	1654.9	1649.8	1647.8	1647.8
7.5°	1727.8	1722.8	1716.7	1715.7	1704.5	1700.5	1693.4	1689.3	1686.3	1679.2	1675.2
10°	1777.4	1769.3	1762.3	1761.2	1750.1	1740.0	1730.9	1722.8	1717.7	1707.6	1702.5
12.5°	1818.0	1809.9	1798.7	1792.6	1781.5	1769.3	1763.3	1751.1	1744.0	1732.9	1723.8
15°	1841.3	1827.1	1810.9	1799.7	1783.5	1770.4	1761.2	1752.1	1745.0	1730.9	1717.7
17.5°	1830.1	1806.8	1784.5	1764.3	1742.0	1729.8	1716.7	1705.5	1703.5	1687.3	1667.1
20°	1783.5	1756.2	1726.8	1699.5	1670.1	1652.9	1636.7	1619.4	1614.4	1595.1	1568.8
22.5°	1726.8	1695.4	1662.0	1628.6	1591.1	1566.8	1542.5	1521.2	1504.0	1475.6	1438.2
25°	1669.1	1622.5	1573.9	1531.3	1487.8	1457.4	1432.1	1408.8	1388.5	1343.0	1304.5
27.5°	1593.1	1520.2	1470.6	1422.0	1369.3	1329.8	1301.4	1269.0	1246.7	1194.1	1153.6
30°	1495.9	1423.0	1352.1	1303.5	1250.8	1208.3	1171.8	1125.2	1092.8	1054.3	1016.8
32.5°	1373.3	1300.4	1228.5	1173.8	1130.3	1077.6	1032.0	987.5	950.0	912.5	883.2
35°	1224.5	1153.6	1085.7	1031.0	982.4	940.9	897.3	858.8	816.3	775.8	758.6
37.5°	1067.5	991.5	916.6	869.0	830.5	801.1	760.6	729.2	690.7	666.4	646.2
40°	930.8	849.7	778.8	738.3	707.9	674.5	641.1	616.8	589.4	565.1	549.9
42.5°	815.3	739.3	678.6	644.1	607.7	571.2	545.9	525.6	508.4	490.2	472.0
45°	709.0	636.0	585.4	542.9	512.5	483.1	465.9	456.8	446.6	435.5	423.3
47.5°	619.8	557.0	507.4	467.9	436.5	416.3	408.2	405.1	401.1	391.9	385.9
50°	552.0	500.3	449.7	414.2	387.9	377.8	368.7	365.6	360.6	357.5	353.5
52.5°	495.3	440.6	398.0	365.6	349.4	345.4	341.3	337.3	336.2	334.2	332.2
55°	448.7	401.1	361.6	337.3	329.2	326.1	325.1	321.1	320.0	320.0	317.0
57.5°	407.1	366.6	331.2	316.0	310.9	307.9	305.9	303.8	303.8	305.9	304.8
60°	364.6	330.2	308.9	300.8	297.8	292.7	287.6	285.6	286.6	291.7	291.7
62.5°	323.1	297.8	284.6	281.6	278.5	274.5	268.4	266.4	268.4	274.5	277.5
65°	277.5	266.4	262.3	260.3	258.3	255.2	251.2	249.1	250.2	253.2	257.2
67.5°	236.0	235.0	235.0	236.0	235.0	234.0	231.9	228.9	227.9	227.9	229.9
70°	210.7	210.7	213.7	213.7	212.7	212.7	209.6	206.6	204.6	202.6	203.6
72.5°	191.4	191.4	192.4	193.4	192.4	192.4	188.4	186.4	181.3	180.3	178.3
75°	175.2	173.2	173.2	172.2	171.2	172.2	168.1	163.1	161.0	160.0	158.0
77.5°	159.0	155.0	152.9	150.9	151.9	150.9	147.9	144.8	141.8	140.8	139.8
80°	140.8	134.7	131.7	126.6	129.6	130.6	128.6	125.6	124.6	123.6	122.5
82.5°	116.5	110.4	106.3	103.3	101.3	103.3	106.3	113.4	111.4	110.4	108.4
85°	91.2	81.0	76.0	77.0	71.9	72.9	82.0	86.1	86.1	88.1	86.1
87.5°	51.7	49.6	37.5	34.4	36.5	43.5	48.6	53.7	53.7	50.6	56.7
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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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
2.5°	1636.7	1638.7	1639.7	1643.8	1645.8	1646.8	1647.8	1649.8	1650.8	1649.8	1654.9
5°	1644.8	1644.8	1642.7	1645.8	1646.8	1646.8	1644.8	1646.8	1646.8	1646.8	1651.9
7.5°	1666.0	1660.0	1656.9	1652.9	1649.8	1645.8	1640.7	1640.7	1639.7	1640.7	1643.8
10°	1688.3	1679.2	1668.1	1657.9	1648.8	1641.7	1632.6	1629.6	1628.6	1627.6	1635.7
12.5°	1705.5	1689.3	1672.1	1654.9	1636.7	1624.5	1609.3	1600.2	1599.2	1599.2	1609.3
15°	1693.4	1667.1	1633.6	1603.2	1587.0	1569.8	1552.6	1541.5	1540.5	1542.5	1548.6
17.5°	1632.6	1590.1	1560.7	1531.3	1510.1	1495.9	1484.7	1482.7	1486.8	1482.7	1490.8
20°	1529.3	1483.7	1463.5	1440.2	1432.1	1422.0	1405.8	1391.6	1391.6	1373.3	1378.4
22.5°	1395.6	1370.3	1344.0	1325.7	1319.7	1302.4	1285.2	1266.0	1264.0	1241.7	1238.6
25°	1255.9	1230.5	1209.3	1205.2	1187.0	1163.7	1147.5	1125.2	1120.1	1097.9	1094.8
27.5°	1113.1	1092.8	1071.5	1059.4	1049.2	1023.9	1009.8	983.4	973.3	949.0	945.9
30°	977.3	963.2	937.8	927.7	908.5	879.1	848.7	832.5	824.4	799.1	791.0
32.5°	849.7	827.4	808.2	796.1	771.7	738.3	711.0	687.7	672.5	642.1	634.0
35°	728.2	705.9	696.8	665.4	644.1	621.9	584.4	570.2	542.9	519.6	511.5
37.5°	620.8	599.6	587.4	561.1	539.8	517.5	495.3	477.0	463.9	458.8	458.8
40°	528.7	517.5	502.3	483.1	468.9	452.7	440.6	434.5	433.5	435.5	440.6
42.5°	462.8	450.7	440.6	430.4	420.3	418.3	415.2	419.3	424.4	429.4	434.5
45°	413.2	403.1	397.0	393.0	391.9	395.0	401.1	407.1	416.3	422.3	426.4
47.5°	377.8	369.7	367.6	366.6	371.7	380.8	388.9	398.0	405.1	411.2	415.2
50°	347.4	340.3	339.3	338.3	345.4	353.5	360.6	372.7	377.8	381.8	384.9
52.5°	326.1	320.0	317.0	318.0	325.1	332.2	342.3	351.4	358.5	361.6	364.6
55°	308.9	306.9	299.8	302.8	309.9	319.0	329.2	339.3	346.4	351.4	356.5
57.5°	295.7	290.7	285.6	290.7	297.8	306.9	319.0	328.1	337.3	344.3	349.4
60°	281.6	277.5	273.5	278.5	285.6	294.7	303.8	316.0	327.1	334.2	339.3
62.5°	269.4	266.4	262.3	263.3	266.4	272.4	277.5	288.6	298.8	307.9	314.0
65°	252.2	251.2	245.1	246.1	248.1	254.2	258.3	268.4	278.5	286.6	291.7
67.5°	226.9	224.8	224.8	227.9	228.9	231.9	235.0	245.1	253.2	259.3	265.4
70°	201.5	200.5	200.5	202.6	201.5	204.6	208.6	217.7	227.9	234.0	240.0
72.5°	177.2	177.2	176.2	178.3	178.3	179.3	184.3	192.4	201.5	206.6	210.7
75°	156.0	155.0	155.0	155.0	156.0	156.0	161.0	168.1	177.2	180.3	186.4
77.5°	136.7	136.7	136.7	136.7	137.7	136.7	139.8	144.8	147.9	152.9	152.9
80°	120.5	119.5	120.5	121.5	121.5	120.5	120.5	121.5	122.5	122.5	122.5
82.5°	106.3	103.3	105.3	110.4	110.4	110.4	109.4	102.3	97.2	97.2	99.3
85°	85.1	85.1	86.1	93.2	94.2	90.1	94.2	84.1	73.9	70.9	72.9
87.5°	52.7	41.5	50.6	57.7	57.7	54.7	60.8	56.7	47.6	38.5	36.5
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°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	0°
2.5°	1658.9	1660.0	1666.0	1669.1	1669.1	1673.1	1675.2	1681.2	1680.2	1680.2	1682.2	2.5°
5°	1656.9	1660.0	1666.0	1670.1	1672.1	1677.2	1681.2	1688.3	1687.3	1689.3	1690.3	5°
7.5°	1649.8	1657.9	1664.0	1672.1	1679.2	1683.3	1688.3	1694.4	1692.4	1693.4	1692.4	7.5°
10°	1643.8	1651.9	1664.0	1675.2	1685.3	1691.4	1694.4	1701.5	1700.5	1702.5	1702.5	10°
12.5°	1619.4	1633.6	1648.8	1666.0	1681.2	1697.4	1707.6	1722.8	1729.8	1739.0	1749.1	12.5°
15°	1557.7	1573.9	1598.2	1617.4	1646.8	1669.1	1698.4	1727.8	1754.2	1779.5	1808.8	15°
17.5°	1496.9	1504.0	1523.2	1549.6	1575.9	1609.3	1644.8	1697.4	1745.0	1796.7	1853.4	17.5°
20°	1384.5	1396.6	1409.8	1441.2	1472.6	1520.2	1563.7	1632.6	1702.5	1783.5	1870.6	20°
22.5°	1245.7	1257.9	1272.1	1307.5	1346.0	1394.6	1447.3	1524.2	1617.4	1722.8	1839.2	22.5°
25°	1095.8	1102.9	1114.1	1149.5	1172.8	1236.6	1300.4	1380.4	1481.7	1617.4	1753.1	25°
27.5°	930.8	943.9	953.0	969.2	1022.9	1077.6	1144.5	1230.5	1353.1	1491.8	1655.9	27.5°
30°	772.8	783.9	778.8	813.3	848.7	906.4	978.4	1073.6	1191.0	1356.1	1545.5	30°
32.5°	617.8	625.9	622.9	647.2	682.6	740.3	808.2	911.5	1036.1	1212.3	1417.9	32.5°
35°	509.4	511.5	522.6	533.7	564.1	610.7	668.4	758.6	886.2	1048.2	1266.0	35°
37.5°	458.8	462.8	469.9	485.1	507.4	540.8	588.4	658.3	767.7	910.5	1105.0	37.5°
40°	443.6	446.6	450.7	460.8	482.1	511.5	554.0	612.7	692.7	813.3	971.3	40°
42.5°	436.5	436.5	436.5	442.6	458.8	490.2	538.8	596.5	666.4	757.6	885.2	42.5°
45°	426.4	426.4	425.4	428.4	439.6	470.9	523.6	588.4	663.4	750.5	860.9	45°
47.5°	415.2	414.2	411.2	411.2	418.3	449.7	504.4	574.3	656.3	756.6	875.0	47.5°
50°	384.9	384.9	384.9	387.9	394.0	422.3	481.1	555.0	649.2	760.6	897.3	50°
52.5°	367.6	368.7	371.7	371.7	377.8	407.1	468.9	551.0	653.2	775.8	925.7	52.5°
55°	359.5	362.6	365.6	365.6	370.7	401.1	464.9	554.0	668.4	807.2	974.3	55°
57.5°	352.5	355.5	357.5	357.5	361.6	387.9	453.7	548.9	677.6	837.6	1034.1	57.5°
60°	339.3	341.3	342.3	342.3	343.3	365.6	428.4	524.6	657.3	835.6	1066.5	60°
62.5°	315.0	319.0	320.0	321.1	321.1	342.3	396.0	485.1	613.8	805.2	1057.4	62.5°
65°	296.7	298.8	301.8	303.8	307.9	322.1	364.6	437.5	557.0	744.4	1006.7	65°
67.5°	268.4	271.4	274.5	278.5	282.6	291.7	325.1	383.8	480.1	641.1	893.3	67.5°
70°	243.1	244.1	247.1	252.2	253.2	258.3	282.6	323.1	393.0	514.5	719.1	70°
72.5°	211.7	213.7	217.7	223.8	223.8	227.9	242.1	263.3	307.9	393.0	530.7	72.5°
75°	184.3	186.4	189.4	189.4	184.3	185.3	195.5	210.7	244.1	295.7	386.9	75°
77.5°	152.9	157.0	160.0	153.9	151.9	155.0	160.0	171.2	195.5	235.0	290.7	77.5°
80°	126.6	128.6	129.6	130.6	128.6	131.7	135.7	142.8	159.0	189.4	229.9	80°
82.5°	101.3	103.3	106.3	110.4	110.4	121.5	122.5	122.5	131.7	150.9	180.3	82.5°
85°	74.9	79.0	83.0	88.1	89.1	95.2	92.2	91.2	94.2	112.4	124.6	85°
87.5°	38.5	41.5	43.5	47.6	42.5	44.6	44.6	41.5	36.5	45.6	50.6	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
1684.3	1682.2	1684.3	1684.3	1687.3	1685.3	1792.6
1692.4	1690.3	1692.4	1694.4	1697.4	1697.4	1815.9
1693.4	1693.4	1691.4	1696.4	1700.5	1704.5	1838.2
1705.5	1705.5	1707.6	1708.6	1717.7	1727.8	1874.7
1755.2	1760.2	1769.3	1772.4	1788.6	1799.7	1967.8
1831.1	1859.5	1877.7	1883.8	1898.0	1919.2	2124.8
1908.1	1955.7	2005.3	2035.7	2053.9	2079.3	2317.3
1965.8	2054.9	2140.0	2216.0	2259.5	2309.2	2586.7
1970.9	2112.7	2256.5	2397.3	2513.7	2605.9	2951.3
1922.3	2108.6	2307.1	2522.9	2723.4	2889.5	3370.6
1860.5	2089.4	2342.6	2618.1	2881.4	3126.5	3679.5
1782.5	2057.0	2348.7	2658.6	2967.5	3262.2	3855.7
1664.0	1960.8	2275.7	2618.1	2976.6	3335.1	3969.1
1512.1	1814.9	2138.0	2527.9	2934.1	3364.5	4064.3
1357.1	1655.9	2003.3	2407.4	2866.2	3359.4	4102.8
1193.1	1489.8	1845.3	2278.8	2774.0	3312.8	4095.7
1081.7	1352.1	1700.5	2148.1	2671.7	3251.1	4048.1
1016.8	1253.8	1586.0	2028.6	2578.6	3177.1	3988.4
1015.8	1224.5	1525.3	1943.5	2484.4	3095.1	3907.3
1051.3	1242.7	1518.2	1907.1	2432.7	3035.3	3819.2
1092.8	1293.3	1555.6	1920.2	2431.7	3009.0	3757.4
1158.6	1379.4	1637.7	1977.0	2458.0	3004.9	3681.5
1242.7	1495.9	1785.5	2116.7	2560.3	3085.0	3686.6
1328.8	1632.6	1979.0	2355.7	2761.9	3271.3	3846.6
1360.2	1737.9	2175.5	2636.3	3063.7	3550.8	4176.7
1332.8	1762.3	2295.0	2854.0	3357.4	3878.0	4570.7
1231.6	1664.0	2246.4	2915.8	3526.5	4109.9	4964.7
1013.8	1419.9	2025.6	2777.1	3513.4	4157.5	5106.5
743.4	1100.9	1646.8	2359.8	3123.4	3859.7	4893.8
536.8	778.8	1189.0	1777.4	2469.2	3108.2	4104.8
384.9	539.8	771.7	1167.7	1682.2	2164.3	2925.9
276.5	366.6	481.1	700.9	1024.9	1328.8	1838.2
203.6	251.2	316.0	435.5	603.6	773.8	1107.0
138.8	147.9	190.4	257.2	396.0	569.2	751.5
52.7	59.8	69.9	105.3	177.2	203.6	143.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)