

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: P158813

Luminaire Tested: **VTS-F08-LED-E1-SLL-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158813
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-F08-LED-E1-SLL-8030
Description: VENTUS LED SITE LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (56) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

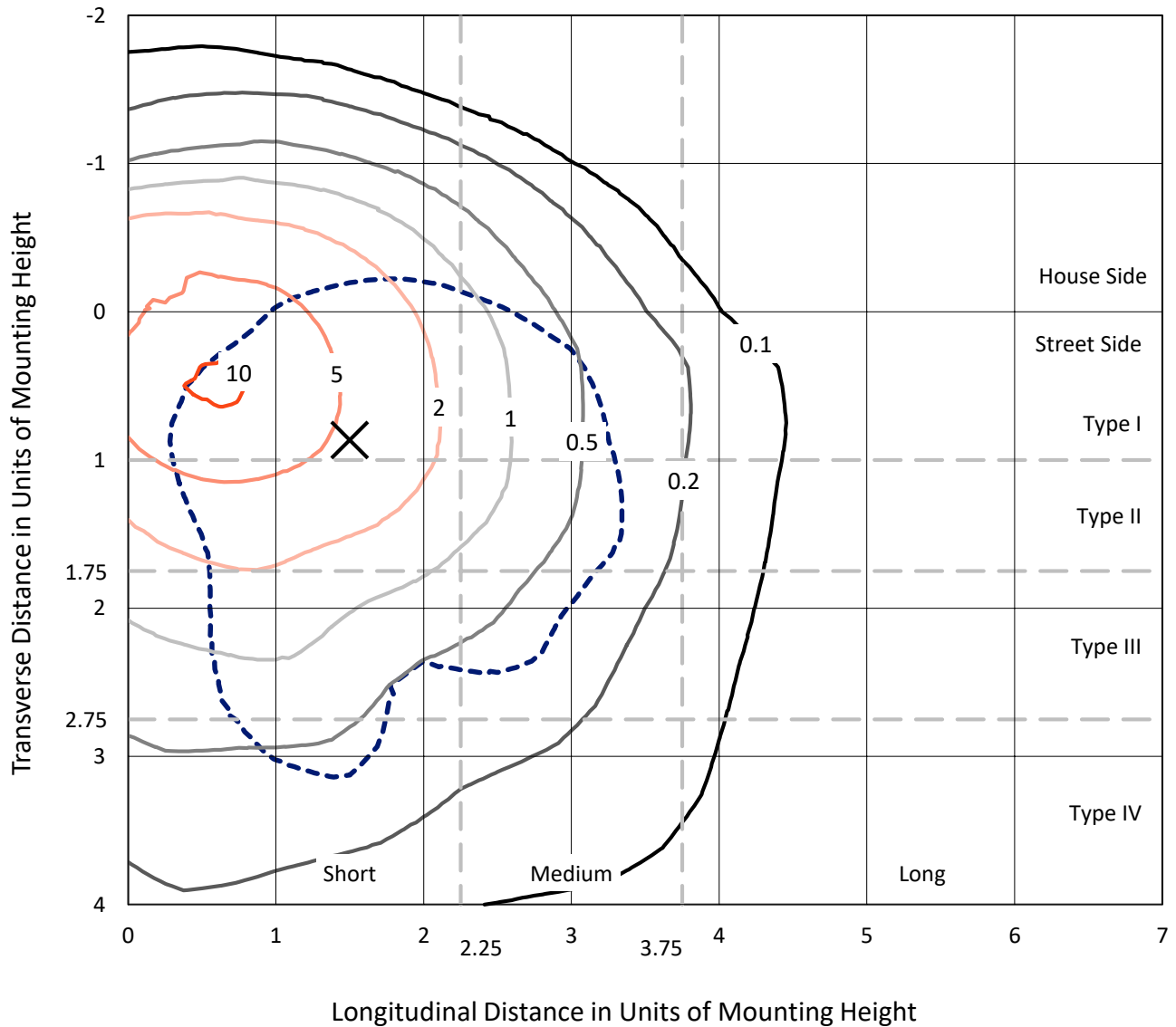
Lumens per Lamp: N/A
Luminaire Lumens: 14978.6 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

Input Watts (W): 204.4
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

REPORT NUMBER: P158813
 CATALOG NUMBER: VTS-F08-LED-E1-SLL-8030

Iso-Footcandle Lines of Horizontal Illumination

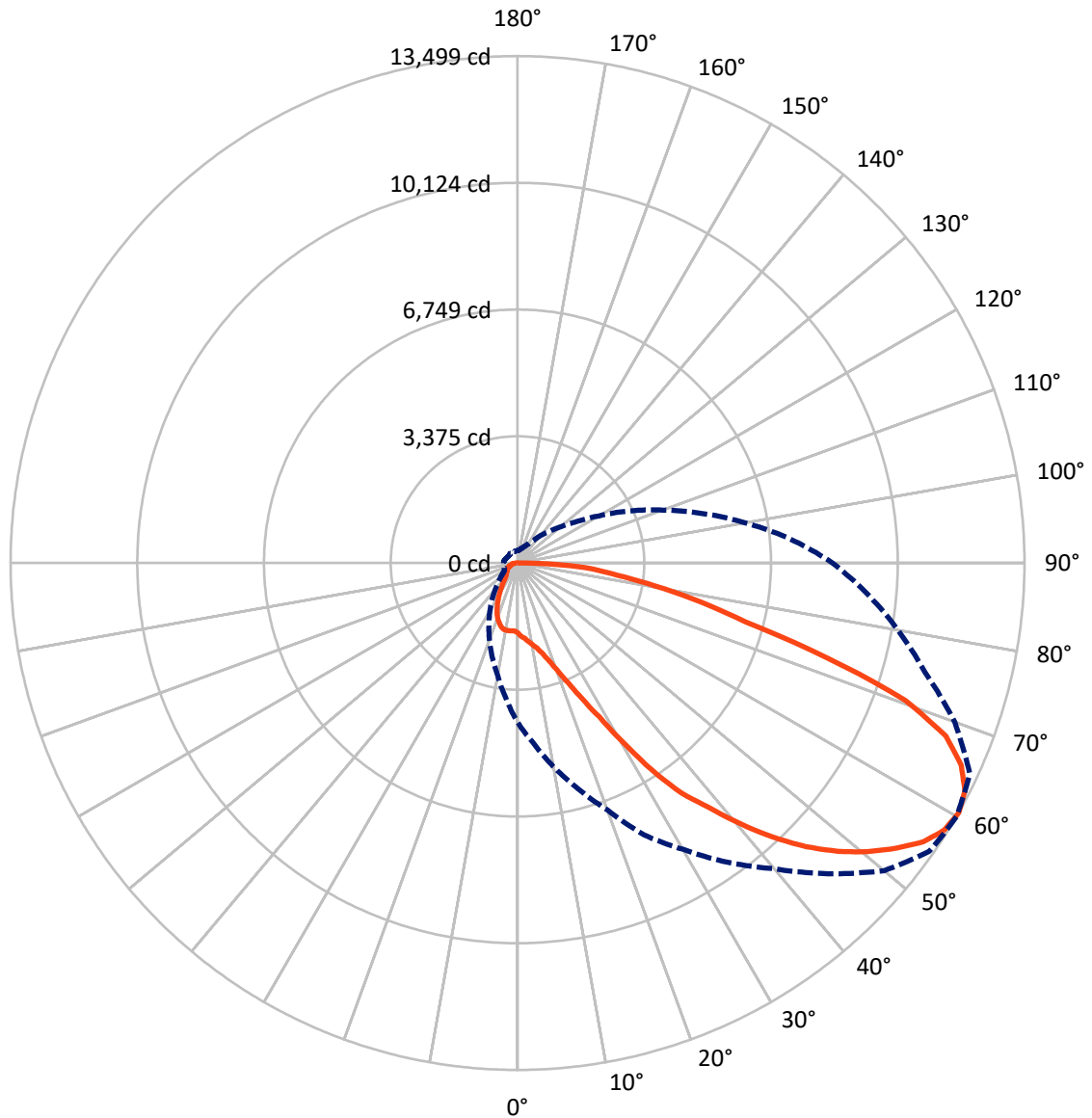
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P158813
CATALOG NUMBER: VTS-F08-LED-E1-SLL-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P158813

CATALOG NUMBER: VTS-F08-LED-E1-SLL-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3372.7	0.0	3372.7
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	11605.9	0.0	11605.9
	% Fixture	77.5	0.0	77.5
Total	Lumens	14978.6	0.0	14978.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	1.2
10°-20°	593.4	4.0
20°-30°	1126.0	7.5
30°-40°	1773.2	11.8
40°-50°	2475.0	16.5
50°-60°	3061.0	20.4
60°-70°	3172.9	21.2
70°-80°	1996.5	13.3
80°-90°	596.8	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°	14978.6	100.0
0°-180°	14978.6	100.0



REPORT NUMBER: P158813

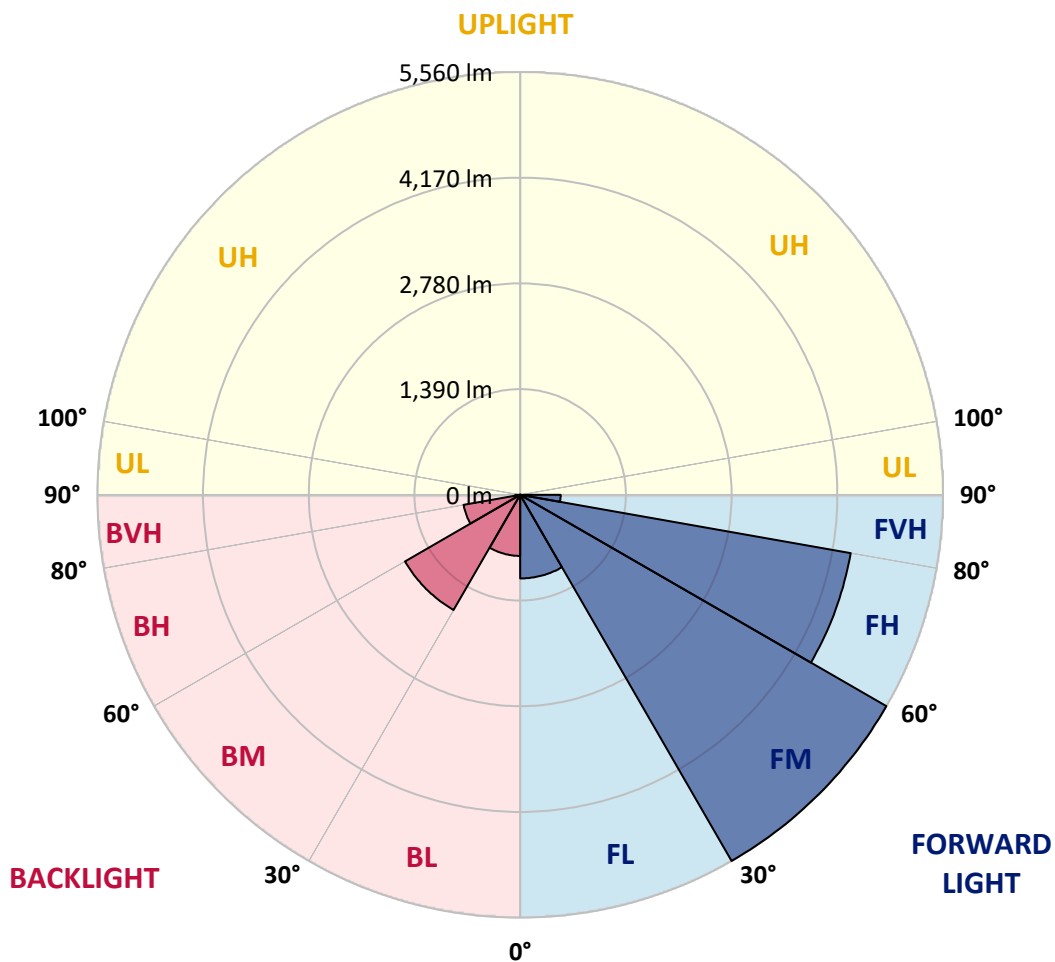
CATALOG NUMBER: VTS-F08-LED-E1-SLL-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1099.7	7.3			
FM	(30°-60°)	5560.3	37.1			
FH	(60°-80°)	4414.1	29.5			G2/5000
FVH	(80°-90°)	531.9	3.6			G4/750
BL	(0°-30°)	803.5	5.4	B2/1000		
BM	(30°-60°)	1749.0	11.7	B2/2500		
BH	(60°-80°)	755.3	5.0	B2/1000		G2/1000
BVH	(80°-90°)	64.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





REPORT NUMBER: P158813

CATALOG NUMBER: VTS-F08-LED-E1-SLL-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8
2.5°	1973.2	1970.9	1970.9	1970.9	1969.8	1967.6	1970.9	1969.8	1964.2	1960.9	1964.2
5°	1998.8	1999.9	2003.3	2004.4	2004.4	2007.7	2016.6	2017.7	2016.6	2018.9	2024.4
7.5°	2023.3	2028.9	2032.2	2037.8	2044.5	2050.1	2065.7	2081.3	2091.3	2099.1	2101.4
10°	2063.5	2072.4	2082.4	2096.9	2112.5	2140.4	2153.7	2169.4	2179.4	2195.0	2198.3
12.5°	2166.0	2177.2	2183.8	2206.1	2226.2	2253.0	2271.9	2276.4	2299.8	2313.2	2328.8
15°	2338.8	2355.5	2378.9	2392.3	2414.6	2438.0	2454.7	2477.0	2480.4	2498.2	2510.5
17.5°	2550.6	2574.0	2622.0	2654.3	2683.3	2706.7	2740.1	2765.8	2771.3	2791.4	2765.8
20°	2847.1	2904.0	2911.8	2976.5	3002.1	3048.9	3115.8	3128.1	3160.4	3128.1	3109.1
22.5°	3248.5	3337.6	3362.2	3424.6	3455.8	3527.2	3547.2	3613.0	3635.3	3610.8	3559.5
25°	3710.0	3848.2	3919.6	4015.4	4031.0	4177.1	4192.7	4269.6	4228.3	4169.3	4170.4
27.5°	4050.0	4285.2	4469.1	4633.0	4747.8	4912.8	5041.0	5076.7	5037.7	4960.8	4934.0
30°	4244.0	4510.4	4774.6	5000.9	5268.4	5520.4	5782.3	5912.8	5935.1	5975.2	5813.6
32.5°	4368.8	4711.0	5025.4	5305.2	5579.5	5903.9	6255.0	6590.6	6872.6	7085.5	6985.2
35°	4473.6	4896.1	5298.5	5637.4	5961.8	6315.2	6669.7	7065.5	7532.5	7805.7	7862.5
37.5°	4516.0	5032.1	5524.8	5959.6	6415.5	6813.5	7165.8	7518.1	8008.6	8495.7	8646.2
40°	4508.2	5099.0	5659.7	6206.0	6764.5	7261.7	7674.1	8091.1	8665.2	9234.8	9480.1
42.5°	4455.8	5109.0	5745.6	6369.8	7006.4	7667.4	8194.7	8675.2	9225.9	9956.1	10302.8
45°	4390.0	5074.5	5763.4	6453.4	7185.9	7950.6	8617.2	9211.4	9856.9	10578.1	10997.3
47.5°	4300.8	5019.8	5741.1	6482.4	7266.1	8132.3	8916.0	9630.6	10340.7	11171.2	11702.9
50°	4203.8	4941.8	5695.4	6461.2	7286.2	8231.5	9086.5	9900.3	10729.7	11626.0	12298.2
52.5°	4135.8	4858.2	5654.1	6417.8	7266.1	8261.6	9149.0	10045.3	10968.3	11894.7	12697.3
55°	4052.2	4746.7	5543.8	6316.3	7192.5	8244.9	9142.3	10095.4	11034.1	11998.3	12914.7
57.5°	4057.8	4695.4	5450.1	6194.8	7042.0	8089.9	9016.3	10045.3	10930.4	11931.5	12922.5
60°	4233.9	4805.8	5499.2	6219.3	6997.5	7991.8	8802.3	9722.0	10626.1	11700.7	12741.9
62.5°	4597.3	5121.3	5751.1	6464.6	7248.3	8188.0	8705.3	9184.6	9987.3	11276.0	12434.2
65°	5031.0	5503.7	6049.9	6728.8	7607.2	8506.9	8650.7	8747.7	9153.4	10449.9	11856.8
67.5°	5464.6	5887.1	6316.3	6879.3	7811.2	8598.3	8427.7	8197.0	8415.5	9490.1	10721.9
70°	5620.7	6181.4	6463.5	6850.3	7656.3	8385.4	8067.6	7486.8	7562.6	8539.2	9439.9
72.5°	5386.6	6185.9	6279.5	6423.3	6966.2	7651.8	7316.3	6569.4	6553.8	7299.6	8027.5
75°	4518.2	5643.0	5641.9	5588.4	5711.0	6101.2	5927.3	5476.9	5667.5	6255.0	6494.7
77.5°	3220.6	4403.4	4459.1	4099.0	4090.1	4266.3	4371.0	4895.0	5586.1	5916.1	5840.3
80°	2023.3	2970.9	3210.6	2765.8	2671.0	2920.7	3568.4	4330.9	5181.5	5478.0	5222.7
82.5°	1218.5	1914.1	2424.6	2172.7	2150.4	2605.2	3320.9	3617.5	3872.7	4188.2	3761.3
85°	827.2	1275.3	1658.8	1709.0	1904.0	2374.5	2685.5	2554.0	2560.6	2478.1	2257.4
87.5°	158.3	347.8	568.5	693.4	769.2	1033.4	1123.7	1017.8	1074.6	785.9	859.5
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: P158813

CATALOG NUMBER: VTS-F08-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8
2.5°	1958.7	1958.7	1958.7	1953.1	1954.2	1946.4	1943.1	1943.1	1939.7	1939.7	1938.6
5°	2020.0	2013.3	2016.6	2015.5	2015.5	2004.4	1998.8	1998.8	1984.3	1985.4	1981.0
7.5°	2111.4	2110.3	2113.6	2106.9	2098.0	2089.1	2080.2	2075.7	2055.6	2043.4	2035.6
10°	2215.1	2213.9	2217.3	2216.2	2200.6	2183.8	2159.3	2141.5	2117.0	2098.0	2079.1
12.5°	2328.8	2327.7	2325.4	2315.4	2298.7	2271.9	2240.7	2210.6	2173.8	2149.3	2121.4
15°	2506.0	2502.7	2489.3	2474.8	2457.0	2415.7	2361.1	2317.6	2268.6	2226.2	2180.5
17.5°	2768.0	2740.1	2737.9	2705.6	2657.6	2603.0	2551.7	2479.3	2409.0	2345.5	2283.1
20°	3129.2	3064.5	3046.7	3009.9	2946.4	2889.5	2778.0	2681.0	2585.2	2498.2	2419.1
22.5°	3522.7	3475.9	3432.4	3372.2	3285.2	3202.8	3061.2	2939.7	2817.0	2705.6	2617.5
25°	4072.3	3990.9	3912.9	3817.0	3696.6	3598.5	3436.9	3314.2	3153.7	3052.3	2925.2
27.5°	4782.4	4643.0	4511.5	4429.0	4217.2	4074.5	3868.3	3710.0	3516.0	3378.9	3228.4
30°	5706.5	5544.9	5349.8	5064.4	4812.5	4529.3	4274.1	4071.2	3864.9	3673.2	3499.3
32.5°	6852.5	6567.2	6258.4	5805.8	5392.2	4988.6	4648.6	4398.9	4188.2	3949.7	3704.4
35°	7821.3	7527.0	7088.9	6513.6	6003.1	5541.6	5134.7	4793.5	4518.2	4216.1	3891.7
37.5°	8586.0	8250.5	7839.1	7228.2	6688.7	6163.6	5736.6	5301.9	4940.7	4524.9	4114.6
40°	9462.2	9125.6	8673.0	8039.8	7401.0	6831.4	6330.8	5881.6	5437.9	4930.7	4403.4
42.5°	10225.8	9982.8	9524.7	8870.3	8162.4	7528.1	6980.7	6466.8	5887.1	5319.7	4695.4
45°	11021.8	10774.3	10339.6	9655.1	8902.6	8195.8	7541.5	6988.5	6304.1	5628.5	4913.9
47.5°	11725.2	11471.1	11031.8	10351.8	9552.5	8807.9	8087.7	7418.8	6624.0	5848.1	5056.6
50°	12396.3	12085.3	11682.9	11005.1	10151.2	9355.2	8573.7	7715.4	6872.6	6002.0	5153.6
52.5°	13012.8	12617.0	12235.8	11537.9	10614.9	9783.3	8911.5	7967.3	7025.3	6123.5	5219.4
55°	13362.8	13107.5	12651.6	11966.0	10944.9	10077.6	9125.6	8144.6	7176.9	6209.3	5247.3
57.5°	13471.0	13408.5	13026.2	12213.5	11138.9	10239.2	9270.5	8285.0	7278.4	6233.8	5208.2
60°	13385.1	13498.8	13289.3	12387.4	11226.9	10287.2	9341.8	8385.4	7296.2	6155.8	5090.1
62.5°	13109.8	13368.4	13341.6	12445.4	11181.2	10227.0	9334.0	8334.1	7129.0	5912.8	4824.8
65°	12657.2	12982.7	13097.5	12230.2	10923.7	10007.4	9135.6	8011.9	6664.1	5437.9	4380.0
67.5°	11805.5	12298.2	12409.7	11525.7	10250.4	9399.8	8563.7	7343.0	5803.5	4703.2	3685.5
70°	10098.8	10960.5	11111.0	10183.5	9063.1	8316.2	7607.2	6282.9	4832.6	3772.4	2828.2
72.5°	8062.1	8603.8	8911.5	8272.8	7438.9	6897.1	6359.8	4820.3	3646.4	2783.6	1946.4
75°	6302.9	6270.6	6546.0	6121.2	5630.7	5377.7	4974.1	3363.3	2442.5	1843.8	1231.8
77.5°	5388.8	4974.1	4660.9	4362.1	4071.2	3990.9	3604.1	2086.9	1509.4	1104.7	736.9
80°	4479.2	3722.2	3150.4	2730.1	2626.4	2784.7	2358.9	1230.7	894.1	634.3	462.6
82.5°	3200.5	2677.7	2179.4	1913.0	1735.7	1987.6	1391.2	683.4	484.9	380.1	306.6
85°	2074.6	1983.2	1962.0	1875.1	1659.9	1567.4	1056.8	588.6	363.4	236.3	190.6
87.5°	798.2	1023.4	1180.5	1265.3	1367.8	1218.5	550.7	202.9	199.5	122.6	92.5
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: P158813

CATALOG NUMBER: VTS-F08-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8
2.5°	1930.8	1926.3	1925.2	1921.9	1919.6	1919.6	1914.1	1812.6	1811.5	1811.5	1810.4
5°	1972.0	1966.5	1960.9	1959.8	1955.3	1955.3	1949.7	1848.3	1848.3	1848.3	1846.1
7.5°	2027.8	2016.6	2009.9	2006.6	1999.9	2003.3	2007.7	1905.2	1906.3	1905.2	1907.4
10°	2067.9	2061.2	2053.4	2051.2	2046.7	2050.1	2056.8	1955.3	1958.7	1959.8	1962.0
12.5°	2106.9	2095.8	2085.7	2082.4	2080.2	2089.1	2096.9	1998.8	2002.1	2005.5	2005.5
15°	2154.9	2135.9	2122.5	2114.7	2110.3	2119.2	2130.3	2033.4	2034.5	2037.8	2036.7
17.5°	2236.2	2208.4	2177.2	2171.6	2157.1	2160.4	2162.7	2054.5	2050.1	2042.3	2028.9
20°	2362.2	2319.9	2277.5	2259.7	2230.7	2218.4	2193.9	2055.6	2027.8	2004.4	1984.3
22.5°	2542.8	2480.4	2434.7	2404.6	2345.5	2304.2	2237.4	2050.1	1997.7	1957.5	1926.3
25°	2834.9	2760.2	2690.0	2614.2	2521.6	2439.1	2341.0	2099.1	2017.7	1948.6	1888.4
27.5°	3119.1	3001.0	2892.8	2779.1	2648.7	2525.0	2386.7	2114.7	2022.2	1933.0	1834.9
30°	3332.1	3160.4	2996.5	2830.4	2659.9	2499.3	2343.3	2061.2	1950.9	1850.5	1746.9
32.5°	3461.4	3238.4	3025.5	2819.3	2618.6	2438.0	2263.0	1968.7	1847.2	1729.0	1618.7
35°	3584.0	3307.5	3043.3	2800.3	2570.7	2370.0	2181.6	1860.6	1715.6	1589.7	1450.3
37.5°	3735.6	3380.0	3054.5	2765.8	2500.4	2270.8	2063.5	1724.6	1579.6	1424.7	1293.1
40°	3917.3	3454.7	3043.3	2696.6	2391.2	2140.4	1920.8	1581.9	1420.2	1269.7	1140.4
42.5°	4090.1	3520.5	3014.4	2604.1	2271.9	2004.4	1790.3	1454.8	1293.1	1139.3	1011.1
45°	4218.3	3576.2	2999.9	2539.5	2180.5	1911.8	1675.5	1352.2	1181.7	1026.7	896.3
47.5°	4307.5	3609.6	2993.2	2503.8	2117.0	1816.0	1570.7	1249.7	1070.2	914.1	787.0
50°	4354.3	3608.5	2976.5	2464.8	2023.3	1701.1	1462.6	1146.0	967.6	814.9	699.0
52.5°	4366.6	3588.5	2940.8	2393.4	1909.6	1586.3	1346.7	1037.9	877.3	731.3	614.2
55°	4338.7	3539.4	2866.1	2274.1	1788.1	1464.8	1240.7	953.1	789.3	651.0	559.6
57.5°	4259.6	3452.5	2725.6	2110.3	1659.9	1352.2	1119.2	850.6	693.4	577.5	501.6
60°	4112.4	3268.5	2506.0	1916.3	1497.1	1180.5	952.0	716.8	591.9	505.0	443.7
62.5°	3840.4	2979.8	2197.2	1648.8	1263.0	957.6	760.3	571.9	478.2	421.4	383.5
65°	3402.3	2545.0	1839.4	1298.7	959.8	696.7	565.2	430.3	362.3	327.7	316.6
67.5°	2776.9	1965.4	1337.7	901.9	649.9	488.3	393.5	314.4	282.0	268.7	264.2
70°	2018.9	1338.8	866.2	569.7	429.2	341.1	297.6	253.1	235.2	231.9	231.9
72.5°	1267.5	813.8	530.6	390.2	325.5	276.5	254.2	223.0	216.3	214.0	210.7
75°	743.6	493.8	375.7	319.9	278.7	247.5	228.5	202.9	198.4	197.3	194.0
77.5°	473.8	355.6	303.2	273.1	251.9	224.1	207.3	180.6	179.5	178.4	177.2
80°	340.0	295.4	265.3	241.9	220.7	195.1	185.1	163.9	161.6	160.5	162.8
82.5°	257.5	244.1	231.9	214.0	185.1	166.1	158.3	143.8	144.9	139.3	138.2
85°	177.2	175.0	173.9	166.1	144.9	128.2	122.6	114.8	120.4	114.8	108.1
87.5°	87.0	85.8	79.1	93.6	87.0	69.1	62.4	69.1	76.9	74.7	69.1
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: P158813

CATALOG NUMBER: VTS-F08-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8
2.5°	1805.9	1801.5	1804.8	1802.6	1802.6	1801.5	1803.7	1800.4	1798.1	1800.4	1801.5
5°	1841.6	1836.0	1837.2	1829.3	1832.7	1824.9	1827.1	1821.5	1816.0	1813.7	1813.7
7.5°	1901.8	1896.2	1889.5	1888.4	1876.2	1871.7	1863.9	1859.4	1856.1	1848.3	1843.8
10°	1956.4	1947.5	1939.7	1938.6	1926.3	1915.2	1905.2	1896.2	1890.7	1879.5	1873.9
12.5°	2001.0	1992.1	1979.8	1973.2	1960.9	1947.5	1940.8	1927.4	1919.6	1907.4	1897.4
15°	2026.7	2011.1	1993.2	1981.0	1963.1	1948.6	1938.6	1928.6	1920.8	1905.2	1890.7
17.5°	2014.4	1988.8	1964.2	1941.9	1917.4	1904.0	1889.5	1877.3	1875.1	1857.2	1834.9
20°	1963.1	1933.0	1900.7	1870.6	1838.3	1819.3	1801.5	1782.5	1777.0	1755.8	1726.8
22.5°	1900.7	1866.1	1829.3	1792.6	1751.3	1724.6	1697.8	1674.4	1655.4	1624.2	1583.0
25°	1837.2	1785.9	1732.4	1685.5	1637.6	1604.2	1576.3	1550.7	1528.4	1478.2	1435.8
27.5°	1753.5	1673.3	1618.7	1565.1	1507.2	1463.7	1432.5	1396.8	1372.3	1314.3	1269.7
30°	1646.5	1566.3	1488.2	1434.7	1376.7	1329.9	1289.8	1238.5	1202.8	1160.5	1119.2
32.5°	1511.6	1431.4	1352.2	1292.0	1244.1	1186.1	1136.0	1086.9	1045.7	1004.4	972.1
35°	1347.8	1269.7	1195.0	1134.8	1081.3	1035.6	987.7	945.3	898.5	853.9	835.0
37.5°	1175.0	1091.4	1008.9	956.5	914.1	881.8	837.2	802.6	760.3	733.5	711.2
40°	1024.5	935.3	857.3	812.7	779.2	742.4	705.7	678.9	648.8	622.0	605.3
42.5°	897.4	813.8	746.9	709.0	668.9	628.7	600.9	578.6	559.6	539.6	519.5
45°	780.3	700.1	644.3	597.5	564.1	531.7	512.8	502.8	491.6	479.4	466.0
47.5°	682.2	613.1	558.5	515.0	480.5	458.2	449.3	445.9	441.5	431.4	424.7
50°	607.6	550.7	495.0	455.9	427.0	415.8	405.8	402.4	396.9	393.5	389.1
52.5°	545.1	484.9	438.1	402.4	384.6	380.1	375.7	371.2	370.1	367.9	365.6
55°	493.8	441.5	398.0	371.2	362.3	359.0	357.8	353.4	352.3	352.3	348.9
57.5°	448.1	403.5	364.5	347.8	342.2	338.9	336.7	334.4	334.4	336.7	335.5
60°	401.3	363.4	340.0	331.1	327.7	322.2	316.6	314.4	315.5	321.1	321.1
62.5°	355.6	327.7	313.3	309.9	306.6	302.1	295.4	293.2	295.4	302.1	305.4
65°	305.4	293.2	288.7	286.5	284.3	280.9	276.5	274.2	275.3	278.7	283.2
67.5°	259.7	258.6	258.6	259.7	258.6	257.5	255.3	251.9	250.8	250.8	253.1
70°	231.9	231.9	235.2	235.2	234.1	234.1	230.8	227.4	225.2	223.0	224.1
72.5°	210.7	210.7	211.8	212.9	211.8	211.8	207.3	205.1	199.5	198.4	196.2
75°	192.9	190.6	190.6	189.5	188.4	189.5	185.1	179.5	177.2	176.1	173.9
77.5°	175.0	170.6	168.3	166.1	167.2	166.1	162.8	159.4	156.1	155.0	153.8
80°	155.0	148.3	144.9	139.3	142.7	143.8	141.6	138.2	137.1	136.0	134.9
82.5°	128.2	121.5	117.1	113.7	111.5	113.7	117.1	124.9	122.6	121.5	119.3
85°	100.3	89.2	83.6	84.7	79.1	80.3	90.3	94.8	94.8	97.0	94.8
87.5°	56.9	54.6	41.2	37.9	40.1	47.9	53.5	59.1	59.1	55.7	62.4
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: P158813

CATALOG NUMBER: VTS-F08-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8
2.5°	1801.5	1803.7	1804.8	1809.3	1811.5	1812.6	1813.7	1816.0	1817.1	1816.0	1821.5
5°	1810.4	1810.4	1808.2	1811.5	1812.6	1812.6	1810.4	1812.6	1812.6	1812.6	1818.2
7.5°	1833.8	1827.1	1823.8	1819.3	1816.0	1811.5	1805.9	1805.9	1804.8	1805.9	1809.3
10°	1858.3	1848.3	1836.0	1824.9	1814.9	1807.1	1797.0	1793.7	1792.6	1791.4	1800.4
12.5°	1877.3	1859.4	1840.5	1821.5	1801.5	1788.1	1771.4	1761.3	1760.2	1760.2	1771.4
15°	1863.9	1834.9	1798.1	1764.7	1746.9	1727.9	1709.0	1696.7	1695.6	1697.8	1704.5
17.5°	1797.0	1750.2	1717.9	1685.5	1662.1	1646.5	1634.3	1632.0	1636.5	1632.0	1641.0
20°	1683.3	1633.1	1610.9	1585.2	1576.3	1565.1	1547.3	1531.7	1531.7	1511.6	1517.2
22.5°	1536.2	1508.3	1479.3	1459.2	1452.6	1433.6	1414.7	1393.5	1391.2	1366.7	1363.4
25°	1382.3	1354.5	1331.0	1326.6	1306.5	1280.9	1263.0	1238.5	1232.9	1208.4	1205.1
27.5°	1225.1	1202.8	1179.4	1166.1	1154.9	1127.0	1111.4	1082.4	1071.3	1044.5	1041.2
30°	1075.8	1060.2	1032.3	1021.1	1000.0	967.6	934.2	916.3	907.4	879.6	870.6
32.5°	935.3	910.8	889.6	876.2	849.5	812.7	782.6	756.9	740.2	706.8	697.9
35°	801.5	777.0	767.0	732.4	709.0	684.5	643.2	627.6	597.5	571.9	563.0
37.5°	683.4	659.9	646.6	617.6	594.2	569.7	545.1	525.1	510.6	505.0	505.0
40°	581.9	569.7	552.9	531.7	516.1	498.3	484.9	478.2	477.1	479.4	484.9
42.5°	509.5	496.1	484.9	473.8	462.6	460.4	457.1	461.5	467.1	472.7	478.2
45°	454.8	443.7	437.0	432.5	431.4	434.8	441.5	448.1	458.2	464.9	469.3
47.5°	415.8	406.9	404.7	403.5	409.1	419.2	428.1	438.1	445.9	452.6	457.1
50°	382.4	374.6	373.5	372.3	380.1	389.1	396.9	410.2	415.8	420.3	423.6
52.5°	359.0	352.3	348.9	350.0	357.8	365.6	376.8	386.8	394.6	398.0	401.3
55°	340.0	337.8	330.0	333.3	341.1	351.2	362.3	373.5	381.3	386.8	392.4
57.5°	325.5	319.9	314.4	319.9	327.7	337.8	351.2	361.2	371.2	379.0	384.6
60°	309.9	305.4	301.0	306.6	314.4	324.4	334.4	347.8	360.1	367.9	373.5
62.5°	296.5	293.2	288.7	289.8	293.2	299.9	305.4	317.7	328.9	338.9	345.6
65°	277.6	276.5	269.8	270.9	273.1	279.8	284.3	295.4	306.6	315.5	321.1
67.5°	249.7	247.5	247.5	250.8	251.9	255.3	258.6	269.8	278.7	285.4	292.1
70°	221.8	220.7	220.7	223.0	221.8	225.2	229.6	239.7	250.8	257.5	264.2
72.5°	195.1	195.1	194.0	196.2	196.2	197.3	202.9	211.8	221.8	227.4	231.9
75°	171.7	170.6	170.6	170.6	171.7	171.7	177.2	185.1	195.1	198.4	205.1
77.5°	150.5	150.5	150.5	150.5	151.6	150.5	153.8	159.4	162.8	168.3	168.3
80°	132.7	131.5	132.7	133.8	133.8	132.7	132.7	133.8	134.9	134.9	134.9
82.5°	117.1	113.7	115.9	121.5	121.5	121.5	120.4	112.6	107.0	107.0	109.2
85°	93.6	93.6	94.8	102.6	103.7	99.2	103.7	92.5	81.4	78.0	80.3
87.5°	58.0	45.7	55.7	63.5	63.5	60.2	66.9	62.4	52.4	42.4	40.1
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: P158813
 CATALOG NUMBER: VTS-F08-LED-E1-SLL-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	0°
2.5°	1826.0	1827.1	1833.8	1837.2	1837.2	1841.6	1843.8	1850.5	1849.4	1849.4	1851.6	2.5°
5°	1823.8	1827.1	1833.8	1838.3	1840.5	1846.1	1850.5	1858.3	1857.2	1859.4	1860.6	5°
7.5°	1816.0	1824.9	1831.6	1840.5	1848.3	1852.8	1858.3	1865.0	1862.8	1863.9	1862.8	7.5°
10°	1809.3	1818.2	1831.6	1843.8	1855.0	1861.7	1865.0	1872.8	1871.7	1873.9	1873.9	10°
12.5°	1782.5	1798.1	1814.9	1833.8	1850.5	1868.4	1879.5	1896.2	1904.0	1914.1	1925.2	12.5°
15°	1714.5	1732.4	1759.1	1780.3	1812.6	1837.2	1869.5	1901.8	1930.8	1958.7	1991.0	15°
17.5°	1647.6	1655.4	1676.6	1705.6	1734.6	1771.4	1810.4	1868.4	1920.8	1977.6	2040.0	17.5°
20°	1523.9	1537.3	1551.8	1586.3	1620.9	1673.3	1721.2	1797.0	1873.9	1963.1	2059.0	20°
22.5°	1371.2	1384.6	1400.2	1439.2	1481.5	1535.0	1593.0	1677.7	1780.3	1896.2	2024.4	22.5°
25°	1206.2	1214.0	1226.3	1265.3	1290.9	1361.1	1431.4	1519.4	1630.9	1780.3	1929.7	25°
27.5°	1024.5	1039.0	1049.0	1066.8	1125.9	1186.1	1259.7	1354.5	1489.3	1642.1	1822.7	27.5°
30°	850.6	862.8	857.3	895.2	934.2	997.7	1076.9	1181.7	1311.0	1492.7	1701.1	30°
32.5°	680.0	688.9	685.6	712.3	751.4	814.9	889.6	1003.3	1140.4	1334.4	1560.7	32.5°
35°	560.7	563.0	575.2	587.5	620.9	672.2	735.8	835.0	975.4	1153.8	1393.5	35°
37.5°	505.0	509.5	517.3	534.0	558.5	595.3	647.7	724.6	845.0	1002.2	1216.2	37.5°
40°	488.3	491.6	496.1	507.2	530.6	563.0	609.8	674.4	762.5	895.2	1069.1	40°
42.5°	480.5	480.5	480.5	487.2	505.0	539.6	593.1	656.6	733.5	833.9	974.3	42.5°
45°	469.3	469.3	468.2	471.6	483.8	518.4	576.3	647.7	730.2	826.0	947.6	45°
47.5°	457.1	455.9	452.6	452.6	460.4	495.0	555.2	632.1	722.4	832.7	963.2	47.5°
50°	423.6	423.6	423.6	427.0	433.6	464.9	529.5	610.9	714.6	837.2	987.7	50°
52.5°	404.7	405.8	409.1	409.1	415.8	448.1	516.1	606.4	719.0	853.9	1018.9	52.5°
55°	395.7	399.1	402.4	402.4	408.0	441.5	511.7	609.8	735.8	888.5	1072.4	55°
57.5°	387.9	391.3	393.5	393.5	398.0	427.0	499.4	604.2	745.8	921.9	1138.2	57.5°
60°	373.5	375.7	376.8	376.8	377.9	402.4	471.6	577.5	723.5	919.7	1173.9	60°
62.5°	346.7	351.2	352.3	353.4	353.4	376.8	435.9	534.0	675.6	886.2	1163.8	62.5°
65°	326.6	328.9	332.2	334.4	338.9	354.5	401.3	481.6	613.1	819.4	1108.1	65°
67.5°	295.4	298.8	302.1	306.6	311.0	321.1	357.8	422.5	528.4	705.7	983.2	67.5°
70°	267.5	268.7	272.0	277.6	278.7	284.3	311.0	355.6	432.5	566.3	791.5	70°
72.5°	233.0	235.2	239.7	246.4	246.4	250.8	266.4	289.8	338.9	432.5	584.1	72.5°
75°	202.9	205.1	208.5	208.5	202.9	204.0	215.2	231.9	268.7	325.5	425.8	75°
77.5°	168.3	172.8	176.1	169.4	167.2	170.6	176.1	188.4	215.2	258.6	319.9	77.5°
80°	139.3	141.6	142.7	143.8	141.6	144.9	149.4	157.2	175.0	208.5	253.1	80°
82.5°	111.5	113.7	117.1	121.5	121.5	133.8	134.9	134.9	144.9	166.1	198.4	82.5°
85°	82.5	87.0	91.4	97.0	98.1	104.8	101.4	100.3	103.7	123.7	137.1	85°
87.5°	42.4	45.7	47.9	52.4	46.8	49.1	49.1	45.7	40.1	50.2	55.7	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°



NUMBER: P158813

NUMBER: VTS-F08-LED-E1-SLL-8030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1862.8	1862.8	1862.8	1862.8	1862.8	1862.8	1862.8
1853.9	1851.6	1853.9	1853.9	1857.2	1855.0	1973.2
1862.8	1860.6	1862.8	1865.0	1868.4	1868.4	1998.8
1863.9	1863.9	1861.7	1867.3	1871.7	1876.2	2023.3
1877.3	1877.3	1879.5	1880.6	1890.7	1901.8	2063.5
1931.9	1937.5	1947.5	1950.9	1968.7	1981.0	2166.0
2015.5	2046.7	2066.8	2073.5	2089.1	2112.5	2338.8
2100.2	2152.6	2207.3	2240.7	2260.8	2288.6	2550.6
2163.8	2261.9	2355.5	2439.1	2487.1	2541.7	2847.1
2169.4	2325.4	2483.7	2638.7	2766.9	2868.3	3248.5
2115.8	2321.0	2539.5	2776.9	2997.6	3180.5	3710.0
2047.8	2299.8	2578.5	2881.7	3171.5	3441.3	4050.0
1962.0	2264.1	2585.2	2926.3	3266.3	3590.7	4244.0
1831.6	2158.2	2504.9	2881.7	3276.3	3671.0	4368.8
1664.4	1997.7	2353.3	2782.5	3229.5	3703.3	4473.6
1493.8	1822.7	2205.0	2649.8	3154.8	3697.7	4516.0
1313.2	1639.8	2031.1	2508.2	3053.4	3646.4	4508.2
1190.6	1488.2	1871.7	2364.4	2940.8	3578.4	4455.8
1119.2	1380.1	1745.7	2232.9	2838.2	3497.1	4390.0
1118.1	1347.8	1678.9	2139.3	2734.5	3406.8	4300.8
1157.1	1367.8	1671.1	2099.1	2677.7	3341.0	4203.8
1202.8	1423.6	1712.3	2113.6	2676.6	3312.0	4135.8
1275.3	1518.3	1802.6	2176.0	2705.6	3307.5	4052.2
1367.8	1646.5	1965.4	2329.9	2818.2	3395.6	4057.8
1462.6	1797.0	2178.3	2593.0	3040.0	3600.7	4233.9
1497.1	1913.0	2394.5	2901.8	3372.2	3908.4	4597.3
1467.0	1939.7	2526.1	3141.4	3695.5	4268.5	5031.0
1355.6	1831.6	2472.6	3209.4	3881.7	4523.8	5464.6
1115.9	1562.9	2229.6	3056.7	3867.2	4576.2	5620.7
818.2	1211.8	1812.6	2597.4	3438.0	4248.4	5386.6
590.8	857.3	1308.7	1956.4	2717.8	3421.3	4518.2
423.6	594.2	849.5	1285.3	1851.6	2382.3	3220.6
304.3	403.5	529.5	771.4	1128.2	1462.6	2023.3
224.1	276.5	347.8	479.4	664.4	851.7	1218.5
152.7	162.8	209.6	283.2	435.9	626.5	827.2
58.0	65.8	76.9	115.9	195.1	224.1	158.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)