

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: P158791

Luminaire Tested: **VTS-E06-LED-E1-SLL-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158791  
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-E06-LED-E1-SLL-7050  
Description: VENTUS LED SITE LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (126) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

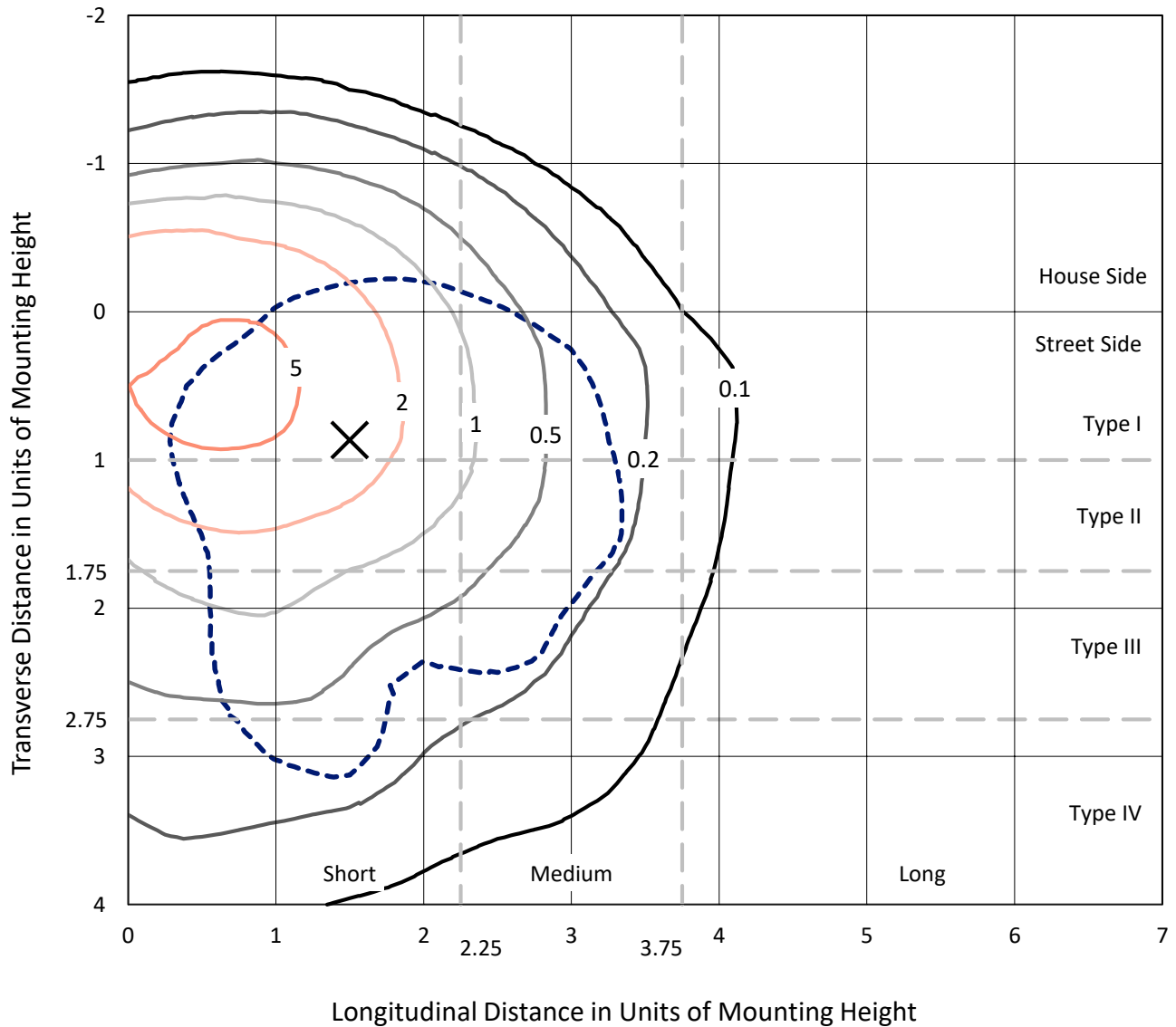
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16544.6 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G4  
  
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: 25 FT

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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

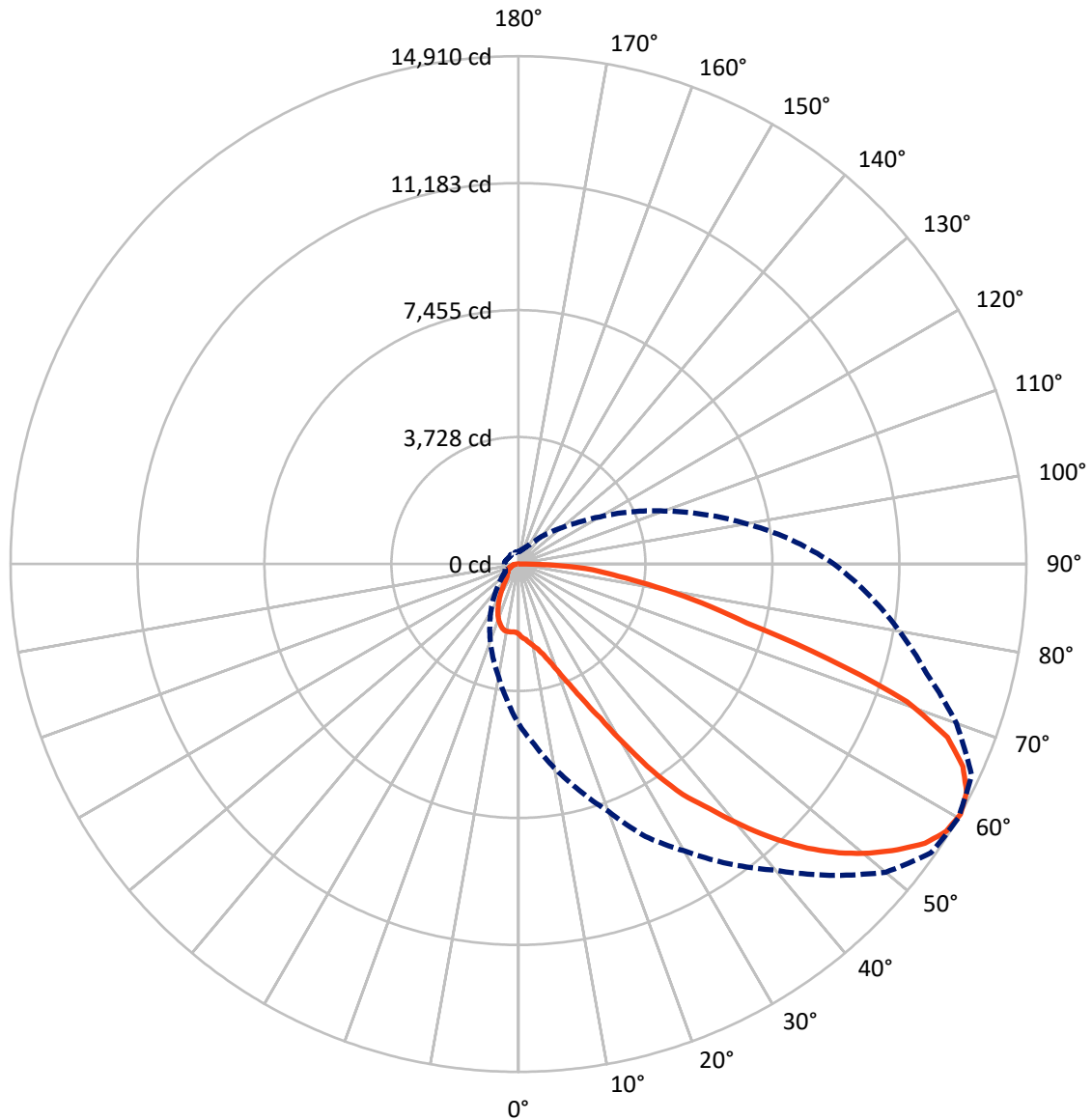


Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type IV - Short - Non-Cutoff

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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	3725.3	0.0	3725.3
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	12819.3	0.0	12819.3
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	16544.6	0.0	16544.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.0	1.2
10°-20°	655.4	4.0
20°-30°	1243.7	7.5
30°-40°	1958.6	11.8
40°-50°	2733.8	16.5
50°-60°	3381.0	20.4
60°-70°	3504.6	21.2
70°-80°	2205.2	13.3
80°-90°	659.2	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°	16544.6	100.0
0°-180°	16544.6	100.0



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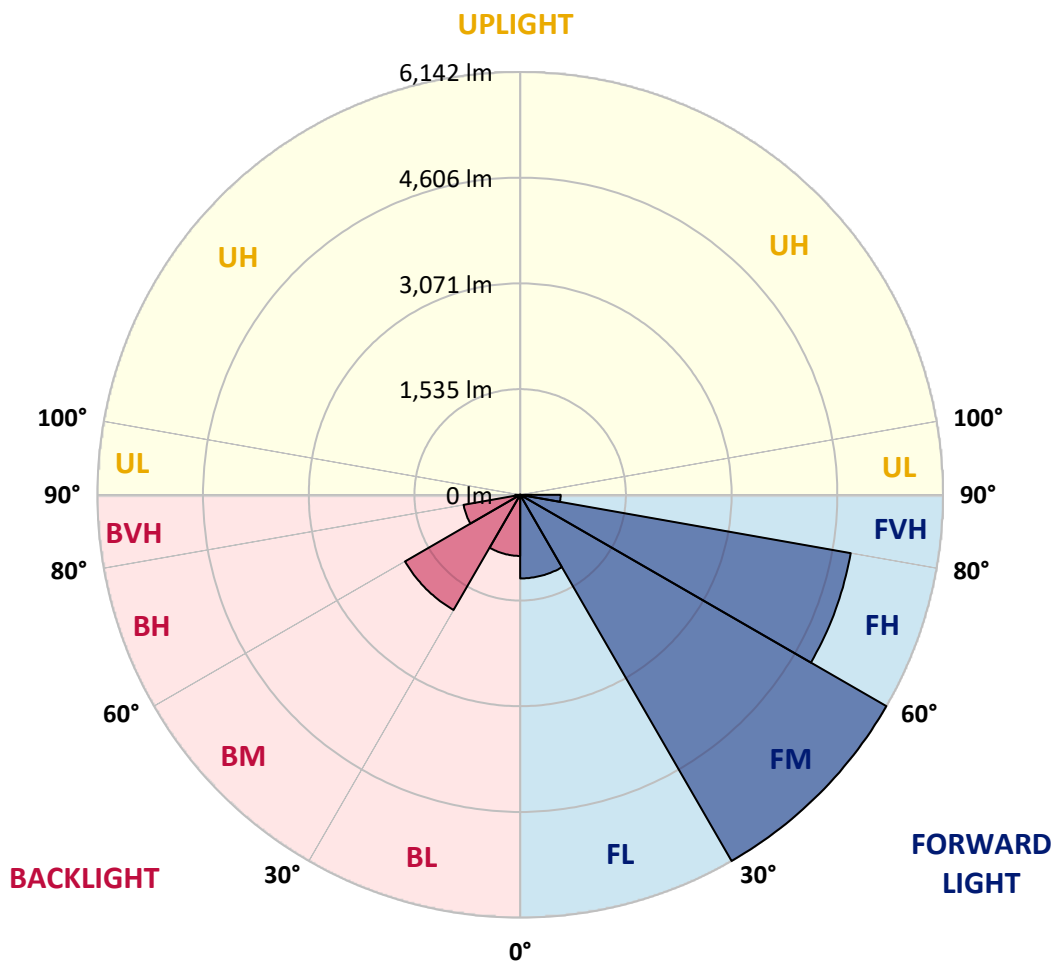
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1214.6	7.3			
FM	(30°-60°)	6141.6	37.1			
FH	(60°-80°)	4875.5	29.5			G2/5000
FVH	(80°-90°)	587.5	3.6			G4/750
BL	(0°-30°)	887.5	5.4	B2/1000		
BM	(30°-60°)	1931.8	11.7	B2/2500		
BH	(60°-80°)	834.3	5.0	B2/1000		G2/1000
BVH	(80°-90°)	71.7	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-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5
2.5°	2179.4	2177.0	2177.0	2177.0	2175.8	2173.3	2177.0	2175.8	2169.6	2165.9	2169.6
5°	2207.8	2209.0	2212.7	2213.9	2213.9	2217.6	2227.5	2228.7	2227.5	2229.9	2236.1
7.5°	2234.9	2241.0	2244.7	2250.9	2258.3	2264.4	2281.6	2298.9	2310.0	2318.6	2321.1
10°	2279.2	2289.0	2300.1	2316.1	2333.4	2364.1	2378.9	2396.2	2407.2	2424.5	2428.2
12.5°	2392.5	2404.8	2412.2	2436.8	2459.0	2488.5	2509.4	2514.4	2540.2	2555.0	2572.2
15°	2583.3	2601.8	2627.7	2642.4	2667.1	2692.9	2711.4	2736.0	2739.7	2759.4	2772.9
17.5°	2817.3	2843.1	2896.1	2931.8	2963.8	2989.7	3026.6	3054.9	3061.1	3083.2	3054.9
20°	3144.8	3207.6	3216.2	3287.6	3316.0	3367.7	3441.6	3455.1	3490.8	3455.1	3434.2
22.5°	3588.1	3686.6	3713.7	3782.6	3817.1	3895.9	3918.1	3990.7	4015.4	3988.3	3931.6
25°	4097.9	4250.5	4329.3	4435.2	4452.5	4613.8	4631.0	4716.0	4670.4	4605.2	4606.4
27.5°	4473.4	4733.2	4936.4	5117.4	5244.2	5426.5	5568.1	5607.5	5564.4	5479.4	5449.9
30°	4687.7	4981.9	5273.8	5523.7	5819.2	6097.5	6386.9	6531.0	6555.6	6599.9	6421.4
32.5°	4825.6	5203.6	5550.8	5859.9	6162.8	6521.1	6909.0	7279.6	7591.1	7826.3	7715.5
35°	4941.3	5408.0	5852.5	6226.8	6585.1	6975.5	7367.0	7804.1	8320.1	8621.7	8684.5
37.5°	4988.1	5558.2	6102.5	6582.7	7086.3	7525.9	7915.0	8304.1	8845.8	9383.9	9550.2
40°	4979.5	5632.1	6251.4	6854.8	7471.7	8020.9	8476.5	8937.0	9571.1	10200.3	10471.2
42.5°	4921.6	5643.2	6346.3	7035.8	7738.9	8469.1	9051.5	9582.2	10190.5	10997.0	11379.9
45°	4849.0	5605.0	6366.0	7128.1	7937.1	8781.8	9518.2	10174.5	10887.4	11684.1	12147.0
47.5°	4750.5	5544.7	6341.3	7160.2	8025.8	8982.5	9848.1	10637.4	11421.8	12339.1	12926.5
50°	4643.3	5458.5	6290.8	7136.8	8048.0	9092.1	10036.5	10935.4	11851.5	12841.5	13584.0
52.5°	4568.2	5366.1	6245.3	7088.7	8025.8	9125.4	10105.5	11095.5	12115.0	13138.3	14024.8
55°	4475.9	5243.0	6123.4	6976.7	7944.5	9106.9	10098.1	11150.9	12187.7	13252.8	14264.9
57.5°	4482.0	5186.3	6020.0	6842.5	7778.3	8935.7	9959.0	11095.5	12073.2	13178.9	14273.5
60°	4676.6	5308.2	6074.1	6869.6	7729.0	8827.4	9722.6	10738.4	11737.0	12924.0	14074.1
62.5°	5078.0	5656.7	6352.4	7140.5	8006.1	9044.1	9615.4	10144.9	11031.5	12454.9	13734.2
65°	5557.0	6079.1	6682.4	7432.3	8402.6	9396.3	9555.1	9662.2	10110.4	11542.5	13096.4
67.5°	6036.0	6502.6	6976.7	7598.5	8627.9	9497.2	9308.8	9053.9	9295.3	10482.3	11842.9
70°	6208.3	6827.7	7139.2	7566.5	8456.8	9262.0	8911.1	8269.6	8353.3	9432.0	10426.9
72.5°	5949.8	6832.6	6936.1	7094.9	7694.6	8451.8	8081.2	7256.2	7239.0	8062.7	8866.8
75°	4990.6	6233.0	6231.7	6172.6	6308.1	6739.1	6547.0	6049.5	6260.1	6909.0	7173.7
77.5°	3557.3	4863.7	4925.3	4527.6	4517.7	4712.3	4828.0	5406.8	6170.2	6534.6	6450.9
80°	2234.9	3281.5	3546.2	3054.9	2950.3	3226.1	3941.5	4783.7	5723.2	6050.7	5768.8
82.5°	1345.8	2114.2	2678.1	2399.9	2375.2	2877.6	3668.1	3995.7	4277.6	4626.1	4154.5
85°	913.6	1408.6	1832.2	1887.6	2103.1	2622.7	2966.3	2821.0	2828.4	2737.2	2493.4
87.5°	174.8	384.2	628.0	765.9	849.6	1141.4	1241.2	1124.2	1187.0	868.1	949.4
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°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5
2.5°	2163.4	2163.4	2163.4	2157.3	2158.5	2149.9	2146.2	2146.2	2142.5	2142.5	2141.3
5°	2231.2	2223.8	2227.5	2226.2	2226.2	2213.9	2207.8	2207.8	2191.8	2193.0	2188.1
7.5°	2332.1	2330.9	2334.6	2327.2	2317.4	2307.5	2297.7	2292.7	2270.6	2257.0	2248.4
10°	2446.6	2445.4	2449.1	2447.9	2430.6	2412.2	2385.1	2365.4	2338.3	2317.4	2296.4
12.5°	2572.2	2571.0	2568.5	2557.5	2539.0	2509.4	2475.0	2441.7	2401.1	2374.0	2343.2
15°	2768.0	2764.3	2749.6	2733.5	2713.8	2668.3	2607.9	2559.9	2505.7	2459.0	2408.5
17.5°	3057.4	3026.6	3024.1	2988.4	2935.5	2875.1	2818.5	2738.5	2660.9	2590.7	2521.8
20°	3456.3	3384.9	3365.2	3324.6	3254.4	3191.6	3068.5	2961.3	2855.4	2759.4	2672.0
22.5°	3891.0	3839.3	3791.3	3724.8	3628.7	3537.6	3381.2	3247.0	3111.6	2988.4	2891.2
25°	4498.0	4408.1	4322.0	4216.1	4083.1	3974.7	3796.2	3660.7	3483.4	3371.4	3231.0
27.5°	5282.4	5128.5	4983.2	4892.1	4658.1	4500.5	4272.7	4097.9	3883.6	3732.2	3565.9
30°	6303.2	6124.6	5909.1	5593.9	5315.6	5002.9	4720.9	4496.8	4269.0	4057.2	3865.1
32.5°	7569.0	7253.7	6912.7	6412.7	5955.9	5510.2	5134.6	4858.8	4626.1	4362.6	4091.7
35°	8639.0	8313.9	7830.0	7194.6	6630.7	6120.9	5671.5	5294.7	4990.6	4656.9	4298.6
37.5°	9483.7	9113.0	8658.7	7983.9	7388.0	6808.0	6336.4	5856.2	5457.2	4998.0	4544.8
40°	10451.5	10079.6	9579.7	8880.3	8174.8	7545.6	6992.7	6496.5	6006.4	5446.2	4863.7
42.5°	11295.0	11026.5	10520.5	9797.7	9015.8	8315.1	7710.6	7142.9	6502.6	5875.9	5186.3
45°	12174.1	11900.8	11420.6	10664.5	9833.4	9052.7	8329.9	7719.2	6963.2	6217.0	5427.7
47.5°	12951.1	12670.4	12185.2	11434.1	10551.2	9728.7	8933.3	8194.5	7316.5	6459.5	5585.3
50°	13692.4	13348.8	12904.3	12155.7	11212.5	10333.3	9470.1	8522.0	7591.1	6629.5	5692.4
52.5°	14373.3	13936.2	13515.0	12744.2	11724.7	10806.1	9843.2	8800.3	7759.8	6763.7	5765.1
55°	14759.9	14477.9	13974.3	13217.1	12089.2	11131.2	10079.6	8996.1	7927.3	6858.5	5795.9
57.5°	14879.3	14810.4	14388.1	13490.4	12303.4	11309.7	10239.7	9151.2	8039.3	6885.6	5752.8
60°	14784.5	14910.1	14678.6	13682.5	12400.7	11362.7	10318.5	9262.0	8059.0	6799.4	5622.2
62.5°	14480.4	14766.1	14736.5	13746.5	12350.2	11296.2	10309.9	9205.4	7874.3	6531.0	5329.2
65°	13980.5	14340.0	14466.9	13508.9	12065.8	11053.6	10090.7	8849.5	7360.9	6006.4	4837.9
67.5°	13039.7	13584.0	13707.1	12730.7	11322.0	10382.5	9459.1	8110.7	6410.3	5195.0	4070.8
70°	11154.6	12106.4	12272.6	11248.2	10010.7	9185.7	8402.6	6939.8	5337.8	4166.8	3123.9
72.5°	8905.0	9503.4	9843.2	9137.7	8216.6	7618.2	7024.7	5324.3	4027.7	3074.6	2149.9
75°	6961.9	6926.2	7230.3	6761.2	6219.4	5939.9	5494.2	3714.9	2697.8	2036.6	1360.6
77.5°	5952.2	5494.2	5148.2	4818.2	4496.8	4408.1	3980.9	2305.0	1667.2	1220.2	813.9
80°	4947.5	4111.4	3479.7	3015.5	2901.0	3075.9	2605.5	1359.4	987.5	700.6	511.0
82.5°	3535.1	2957.6	2407.2	2113.0	1917.2	2195.5	1536.7	754.8	535.6	419.9	338.6
85°	2291.5	2190.5	2167.1	2071.1	1833.4	1731.2	1167.3	650.1	401.4	261.0	210.6
87.5°	881.6	1130.4	1304.0	1397.6	1510.8	1345.8	608.3	224.1	220.4	135.4	102.2
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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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5
2.5°	2132.7	2127.7	2126.5	2122.8	2120.3	2120.3	2114.2	2002.1	2000.9	2000.9	1999.7
5°	2178.2	2172.1	2165.9	2164.7	2159.7	2159.7	2153.6	2041.5	2041.5	2041.5	2039.1
7.5°	2239.8	2227.5	2220.1	2216.4	2209.0	2212.7	2217.6	2104.3	2105.6	2104.3	2106.8
10°	2284.1	2276.7	2268.1	2265.6	2260.7	2264.4	2271.8	2159.7	2163.4	2164.7	2167.1
12.5°	2327.2	2314.9	2303.8	2300.1	2297.7	2307.5	2316.1	2207.8	2211.5	2215.2	2215.2
15°	2380.2	2359.2	2344.4	2335.8	2330.9	2340.8	2353.1	2245.9	2247.2	2250.9	2249.6
17.5°	2470.0	2439.3	2404.8	2398.6	2382.6	2386.3	2388.8	2269.3	2264.4	2255.8	2241.0
20°	2609.2	2562.4	2515.6	2495.9	2463.9	2450.3	2423.3	2270.6	2239.8	2213.9	2191.8
22.5°	2808.7	2739.7	2689.2	2656.0	2590.7	2545.2	2471.3	2264.4	2206.5	2162.2	2127.7
25°	3131.3	3048.8	2971.2	2887.5	2785.3	2694.1	2585.8	2318.6	2228.7	2152.4	2085.9
27.5°	3445.3	3314.7	3195.3	3069.7	2925.6	2789.0	2636.3	2335.8	2233.6	2135.1	2026.8
30°	3680.4	3490.8	3309.8	3126.3	2937.9	2760.6	2588.2	2276.7	2154.8	2044.0	1929.5
32.5°	3823.3	3577.0	3341.8	3114.0	2892.4	2692.9	2499.6	2174.5	2040.3	1909.8	1787.9
35°	3958.7	3653.3	3361.5	3093.1	2839.4	2617.8	2409.7	2055.1	1895.0	1755.9	1602.0
37.5°	4126.2	3733.4	3373.8	3054.9	2761.9	2508.2	2279.2	1904.9	1744.8	1573.6	1428.3
40°	4326.9	3815.9	3361.5	2978.6	2641.2	2364.1	2121.6	1747.3	1568.7	1402.5	1259.6
42.5°	4517.7	3888.5	3329.5	2876.4	2509.4	2213.9	1977.5	1606.9	1428.3	1258.4	1116.8
45°	4659.3	3950.1	3313.5	2805.0	2408.5	2111.7	1850.7	1493.6	1305.2	1134.1	990.0
47.5°	4757.8	3987.0	3306.1	2765.6	2338.3	2005.8	1734.9	1380.3	1182.1	1009.7	869.3
50°	4809.6	3985.8	3287.6	2722.5	2234.9	1879.0	1615.5	1265.8	1068.8	900.1	772.0
52.5°	4823.1	3963.6	3248.2	2643.7	2109.3	1752.2	1487.4	1146.4	969.1	807.8	678.5
55°	4792.3	3909.5	3165.7	2511.9	1975.0	1618.0	1370.5	1052.8	871.8	719.1	618.1
57.5°	4704.9	3813.4	3010.6	2330.9	1833.4	1493.6	1236.3	939.5	765.9	637.8	554.1
60°	4542.4	3610.2	2768.0	2116.7	1653.7	1304.0	1051.6	791.7	653.8	557.8	490.1
62.5°	4241.9	3291.3	2426.9	1821.1	1395.1	1057.7	839.8	631.7	528.2	465.4	423.6
65°	3758.0	2811.1	2031.7	1434.5	1060.2	769.6	624.3	475.3	400.2	362.0	349.7
67.5°	3067.2	2170.8	1477.6	996.1	717.9	539.3	434.7	347.2	311.5	296.7	291.8
70°	2229.9	1478.8	956.7	629.2	474.1	376.8	328.8	279.5	259.8	256.1	256.1
72.5°	1400.0	898.9	586.1	431.0	359.5	305.4	280.7	246.3	238.9	236.4	232.7
75°	821.3	545.5	415.0	353.4	307.8	273.4	252.4	224.1	219.2	217.9	214.3
77.5°	523.3	392.8	334.9	301.7	278.3	247.5	229.0	199.5	198.2	197.0	195.8
80°	375.6	326.3	293.1	267.2	243.8	215.5	204.4	181.0	178.5	177.3	179.8
82.5°	284.4	269.7	256.1	236.4	204.4	183.5	174.8	158.8	160.1	153.9	152.7
85°	195.8	193.3	192.1	183.5	160.1	141.6	135.4	126.8	133.0	126.8	119.4
87.5°	96.0	94.8	87.4	103.4	96.0	76.3	69.0	76.3	85.0	82.5	76.3
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: P158791

CATALOG NUMBER: VTS-E06-LED-E1-SLL-7050

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5
2.5°	1994.7	1989.8	1993.5	1991.1	1991.1	1989.8	1992.3	1988.6	1986.1	1988.6	1989.8
5°	2034.2	2028.0	2029.2	2020.6	2024.3	2015.7	2018.1	2012.0	2005.8	2003.4	2003.4
7.5°	2100.6	2094.5	2087.1	2085.9	2072.3	2067.4	2058.8	2053.9	2050.2	2041.5	2036.6
10°	2161.0	2151.1	2142.5	2141.3	2127.7	2115.4	2104.3	2094.5	2088.3	2076.0	2069.9
12.5°	2210.2	2200.4	2186.8	2179.4	2165.9	2151.1	2143.7	2129.0	2120.3	2106.8	2095.7
15°	2238.6	2221.3	2201.6	2188.1	2168.4	2152.4	2141.3	2130.2	2121.6	2104.3	2088.3
17.5°	2225.0	2196.7	2169.6	2145.0	2117.9	2103.1	2087.1	2073.6	2071.1	2051.4	2026.8
20°	2168.4	2135.1	2099.4	2066.2	2030.5	2009.5	1989.8	1968.9	1962.7	1939.3	1907.3
22.5°	2099.4	2061.2	2020.6	1980.0	1934.4	1904.9	1875.3	1849.5	1828.5	1794.0	1748.5
25°	2029.2	1972.6	1913.5	1861.8	1808.8	1771.9	1741.1	1712.8	1688.1	1632.7	1585.9
27.5°	1936.9	1848.2	1787.9	1728.8	1664.8	1616.7	1582.3	1542.9	1515.8	1451.7	1402.5
30°	1818.7	1730.0	1643.8	1584.7	1520.7	1469.0	1424.6	1368.0	1328.6	1281.8	1236.3
32.5°	1669.7	1581.0	1493.6	1427.1	1374.2	1310.1	1254.7	1200.5	1155.0	1109.4	1073.7
35°	1488.7	1402.5	1320.0	1253.5	1194.4	1143.9	1091.0	1044.2	992.4	943.2	922.3
37.5°	1297.8	1205.5	1114.4	1056.5	1009.7	974.0	924.7	886.6	839.8	810.2	785.6
40°	1131.6	1033.1	946.9	897.6	860.7	820.1	779.4	749.9	716.6	687.1	668.6
42.5°	991.2	898.9	825.0	783.1	738.8	694.5	663.7	639.1	618.1	596.0	573.8
45°	861.9	773.3	711.7	660.0	623.1	587.3	566.4	555.3	543.0	529.5	514.7
47.5°	753.6	677.2	616.9	568.9	530.7	506.1	496.2	492.5	487.6	476.5	469.1
50°	671.1	608.3	546.7	503.6	471.6	459.3	448.2	444.5	438.4	434.7	429.7
52.5°	602.1	535.6	483.9	444.5	424.8	419.9	415.0	410.0	408.8	406.3	403.9
55°	545.5	487.6	439.6	410.0	400.2	396.5	395.3	390.3	389.1	389.1	385.4
57.5°	495.0	445.7	402.6	384.2	378.0	374.3	371.9	369.4	369.4	371.9	370.6
60°	443.3	401.4	375.6	365.7	362.0	355.9	349.7	347.2	348.5	354.6	354.6
62.5°	392.8	362.0	346.0	342.3	338.6	333.7	326.3	323.8	326.3	333.7	337.4
65°	337.4	323.8	318.9	316.5	314.0	310.3	305.4	302.9	304.1	307.8	312.8
67.5°	286.9	285.7	285.7	286.9	285.7	284.4	282.0	278.3	277.0	277.0	279.5
70°	256.1	256.1	259.8	259.8	258.6	258.6	254.9	251.2	248.7	246.3	247.5
72.5°	232.7	232.7	234.0	235.2	234.0	234.0	229.0	226.6	220.4	219.2	216.7
75°	213.0	210.6	210.6	209.3	208.1	209.3	204.4	198.2	195.8	194.5	192.1
77.5°	193.3	188.4	185.9	183.5	184.7	183.5	179.8	176.1	172.4	171.2	169.9
80°	171.2	163.8	160.1	153.9	157.6	158.8	156.4	152.7	151.5	150.2	149.0
82.5°	141.6	134.2	129.3	125.6	123.1	125.6	129.3	137.9	135.4	134.2	131.8
85°	110.8	98.5	92.3	93.6	87.4	88.7	99.7	104.7	104.7	107.1	104.7
87.5°	62.8	60.3	45.6	41.9	44.3	52.9	59.1	65.3	65.3	61.6	69.0
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°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5
2.5°	1989.8	1992.3	1993.5	1998.4	2000.9	2002.1	2003.4	2005.8	2007.1	2005.8	2012.0
5°	1999.7	1999.7	1997.2	2000.9	2002.1	2002.1	1999.7	2002.1	2002.1	2002.1	2008.3
7.5°	2025.5	2018.1	2014.5	2009.5	2005.8	2000.9	1994.7	1994.7	1993.5	1994.7	1998.4
10°	2052.6	2041.5	2028.0	2015.7	2004.6	1996.0	1984.9	1981.2	1980.0	1978.7	1988.6
12.5°	2073.6	2053.9	2032.9	2012.0	1989.8	1975.0	1956.6	1945.5	1944.3	1944.3	1956.6
15°	2058.8	2026.8	1986.1	1949.2	1929.5	1908.6	1887.6	1874.1	1872.8	1875.3	1882.7
17.5°	1984.9	1933.2	1897.5	1861.8	1835.9	1818.7	1805.1	1802.7	1807.6	1802.7	1812.5
20°	1859.3	1803.9	1779.3	1750.9	1741.1	1728.8	1709.1	1691.8	1691.8	1669.7	1675.8
22.5°	1696.8	1666.0	1634.0	1611.8	1604.4	1583.5	1562.6	1539.2	1536.7	1509.6	1505.9
25°	1526.8	1496.1	1470.2	1465.3	1443.1	1414.8	1395.1	1368.0	1361.8	1334.8	1331.1
27.5°	1353.2	1328.6	1302.7	1288.0	1275.7	1244.9	1227.6	1195.6	1183.3	1153.8	1150.1
30°	1188.2	1171.0	1140.2	1127.9	1104.5	1068.8	1031.9	1012.2	1002.3	971.5	961.7
32.5°	1033.1	1006.0	982.6	967.8	938.3	897.6	864.4	836.1	817.6	780.7	770.8
35°	885.3	858.2	847.2	809.0	783.1	756.0	710.5	693.2	660.0	631.7	621.8
37.5°	754.8	728.9	714.2	682.2	656.3	629.2	602.1	580.0	563.9	557.8	557.8
40°	642.8	629.2	610.7	587.3	570.1	550.4	535.6	528.2	527.0	529.5	535.6
42.5°	562.7	547.9	535.6	523.3	511.0	508.5	504.8	509.8	515.9	522.1	528.2
45°	502.4	490.1	482.7	477.8	476.5	480.2	487.6	495.0	506.1	513.5	518.4
47.5°	459.3	449.4	447.0	445.7	451.9	463.0	472.8	483.9	492.5	499.9	504.8
50°	422.3	413.7	412.5	411.3	419.9	429.7	438.4	453.1	459.3	464.2	467.9
52.5°	396.5	389.1	385.4	386.6	395.3	403.9	416.2	427.3	435.9	439.6	443.3
55°	375.6	373.1	364.5	368.2	376.8	387.9	400.2	412.5	421.1	427.3	433.4
57.5°	359.5	353.4	347.2	353.4	362.0	373.1	387.9	398.9	410.0	418.7	424.8
60°	342.3	337.4	332.5	338.6	347.2	358.3	369.4	384.2	397.7	406.3	412.5
62.5°	327.5	323.8	318.9	320.1	323.8	331.2	337.4	350.9	363.2	374.3	381.7
65°	306.6	305.4	298.0	299.2	301.7	309.1	314.0	326.3	338.6	348.5	354.6
67.5°	275.8	273.4	273.4	277.0	278.3	282.0	285.7	298.0	307.8	315.2	322.6
70°	245.0	243.8	243.8	246.3	245.0	248.7	253.7	264.7	277.0	284.4	291.8
72.5°	215.5	215.5	214.3	216.7	216.7	217.9	224.1	234.0	245.0	251.2	256.1
75°	189.6	188.4	188.4	188.4	189.6	189.6	195.8	204.4	215.5	219.2	226.6
77.5°	166.2	166.2	166.2	166.2	167.5	166.2	169.9	176.1	179.8	185.9	185.9
80°	146.5	145.3	146.5	147.8	147.8	146.5	146.5	147.8	149.0	149.0	149.0
82.5°	129.3	125.6	128.1	134.2	134.2	134.2	133.0	124.4	118.2	118.2	120.7
85°	103.4	103.4	104.7	113.3	114.5	109.6	114.5	102.2	89.9	86.2	88.7
87.5°	64.0	50.5	61.6	70.2	70.2	66.5	73.9	69.0	57.9	46.8	44.3
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°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	0°
2.5°	2016.9	2018.1	2025.5	2029.2	2029.2	2034.2	2036.6	2044.0	2042.8	2042.8	2045.2	2.5°
5°	2014.5	2018.1	2025.5	2030.5	2032.9	2039.1	2044.0	2052.6	2051.4	2053.9	2055.1	5°
7.5°	2005.8	2015.7	2023.1	2032.9	2041.5	2046.5	2052.6	2060.0	2057.5	2058.8	2057.5	7.5°
10°	1998.4	2008.3	2023.1	2036.6	2048.9	2056.3	2060.0	2068.6	2067.4	2069.9	2069.9	10°
12.5°	1968.9	1986.1	2004.6	2025.5	2044.0	2063.7	2076.0	2094.5	2103.1	2114.2	2126.5	12.5°
15°	1893.8	1913.5	1943.0	1966.4	2002.1	2029.2	2064.9	2100.6	2132.7	2163.4	2199.1	15°
17.5°	1819.9	1828.5	1851.9	1883.9	1915.9	1956.6	1999.7	2063.7	2121.6	2184.4	2253.3	17.5°
20°	1683.2	1698.0	1714.0	1752.2	1790.3	1848.2	1901.2	1984.9	2069.9	2168.4	2274.3	20°
22.5°	1514.5	1529.3	1546.5	1589.6	1636.4	1695.5	1759.6	1853.1	1966.4	2094.5	2236.1	22.5°
25°	1332.3	1340.9	1354.5	1397.6	1425.9	1503.4	1581.0	1678.3	1801.4	1966.4	2131.4	25°
27.5°	1131.6	1147.6	1158.7	1178.4	1243.6	1310.1	1391.4	1496.1	1645.1	1813.7	2013.2	27.5°
30°	939.5	953.0	946.9	988.8	1031.9	1102.0	1189.5	1305.2	1448.0	1648.7	1879.0	30°
32.5°	751.1	761.0	757.3	786.8	829.9	900.1	982.6	1108.2	1259.6	1473.9	1723.9	32.5°
35°	619.4	621.8	635.4	648.9	685.8	742.5	812.7	922.3	1077.4	1274.4	1539.2	35°
37.5°	557.8	562.7	571.3	589.8	616.9	657.5	715.4	800.4	933.3	1107.0	1343.4	37.5°
40°	539.3	543.0	547.9	560.3	586.1	621.8	673.5	745.0	842.2	988.8	1180.8	40°
42.5°	530.7	530.7	530.7	538.1	557.8	596.0	655.1	725.3	810.2	921.0	1076.2	42.5°
45°	518.4	518.4	517.2	520.9	534.4	572.6	636.6	715.4	806.5	912.4	1046.6	45°
47.5°	504.8	503.6	499.9	499.9	508.5	546.7	613.2	698.2	797.9	919.8	1063.9	47.5°
50°	467.9	467.9	467.9	471.6	479.0	513.5	584.9	674.8	789.3	924.7	1091.0	50°
52.5°	447.0	448.2	451.9	451.9	459.3	495.0	570.1	669.8	794.2	943.2	1125.4	52.5°
55°	437.1	440.8	444.5	444.5	450.7	487.6	565.2	673.5	812.7	981.4	1184.5	55°
57.5°	428.5	432.2	434.7	434.7	439.6	471.6	551.6	667.4	823.8	1018.3	1257.2	57.5°
60°	412.5	415.0	416.2	416.2	417.4	444.5	520.9	637.8	799.1	1015.8	1296.6	60°
62.5°	382.9	387.9	389.1	390.3	390.3	416.2	481.4	589.8	746.2	978.9	1285.5	62.5°
65°	360.8	363.2	366.9	369.4	374.3	391.6	443.3	531.9	677.2	905.0	1223.9	65°
67.5°	326.3	330.0	333.7	338.6	343.5	354.6	395.3	466.7	583.6	779.4	1086.0	67.5°
70°	295.5	296.7	300.4	306.6	307.8	314.0	343.5	392.8	477.8	625.5	874.2	70°
72.5°	257.3	259.8	264.7	272.1	272.1	277.0	294.3	320.1	374.3	477.8	645.2	72.5°
75°	224.1	226.6	230.3	230.3	224.1	225.3	237.6	256.1	296.7	359.5	470.4	75°
77.5°	185.9	190.9	194.5	187.2	184.7	188.4	194.5	208.1	237.6	285.7	353.4	77.5°
80°	153.9	156.4	157.6	158.8	156.4	160.1	165.0	173.6	193.3	230.3	279.5	80°
82.5°	123.1	125.6	129.3	134.2	134.2	147.8	149.0	149.0	160.1	183.5	219.2	82.5°
85°	91.1	96.0	101.0	107.1	108.4	115.7	112.1	110.8	114.5	136.7	151.5	85°
87.5°	46.8	50.5	52.9	57.9	51.7	54.2	54.2	50.5	44.3	55.4	61.6	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°
2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5
2047.7	2045.2	2047.7	2047.7	2051.4	2048.9	2179.4
2057.5	2055.1	2057.5	2060.0	2063.7	2063.7	2207.8
2058.8	2058.8	2056.3	2062.5	2067.4	2072.3	2234.9
2073.6	2073.6	2076.0	2077.2	2088.3	2100.6	2279.2
2133.9	2140.0	2151.1	2154.8	2174.5	2188.1	2392.5
2226.2	2260.7	2282.9	2290.3	2307.5	2333.4	2583.3
2319.8	2377.7	2438.0	2475.0	2497.1	2527.9	2817.3
2390.0	2498.4	2601.8	2694.1	2747.1	2807.4	3144.8
2396.2	2568.5	2743.4	2914.5	3056.2	3168.2	3588.1
2337.1	2563.6	2805.0	3067.2	3311.0	3513.0	4097.9
2261.9	2540.2	2848.1	3183.0	3503.1	3801.1	4473.4
2167.1	2500.8	2855.4	3232.2	3607.8	3966.1	4687.7
2023.1	2383.8	2766.8	3183.0	3618.9	4054.8	4825.6
1838.4	2206.5	2599.3	3073.4	3567.2	4090.5	4941.3
1650.0	2013.2	2435.6	2926.9	3484.7	4084.3	4988.1
1450.5	1811.3	2243.5	2770.5	3372.6	4027.7	4979.5
1315.1	1643.8	2067.4	2611.6	3248.2	3952.6	4921.6
1236.3	1524.4	1928.3	2466.3	3135.0	3862.7	4849.0
1235.0	1488.7	1854.4	2362.9	3020.4	3762.9	4750.5
1278.1	1510.8	1845.8	2318.6	2957.6	3690.3	4643.3
1328.6	1572.4	1891.3	2334.6	2956.4	3658.3	4568.2
1408.6	1677.1	1991.1	2403.5	2988.4	3653.3	4475.9
1510.8	1818.7	2170.8	2573.5	3112.8	3750.6	4482.0
1615.5	1984.9	2406.0	2864.1	3357.8	3977.2	4676.6
1653.7	2113.0	2644.9	3205.1	3724.8	4317.0	5078.0
1620.4	2142.5	2790.2	3469.9	4081.8	4714.7	5557.0
1497.3	2023.1	2731.1	3545.0	4287.5	4996.7	6036.0
1232.6	1726.3	2462.7	3376.3	4271.5	5054.6	6208.3
903.8	1338.5	2002.1	2869.0	3797.4	4692.6	5949.8
652.6	946.9	1445.6	2161.0	3002.0	3778.9	4990.6
467.9	656.3	938.3	1419.7	2045.2	2631.3	3557.3
336.2	445.7	584.9	852.1	1246.1	1615.5	2234.9
247.5	305.4	384.2	529.5	733.9	940.7	1345.8
168.7	179.8	231.5	312.8	481.4	692.0	913.6
64.0	72.6	85.0	128.1	215.5	247.5	174.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)