

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: P158809

Luminaire Tested: **VTS-E08-LED-E1-SLL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158809  
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-E08-LED-E1-SLL-7030  
Description: VENTUS LED SITE LUMINAIRE  
(8) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (168) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

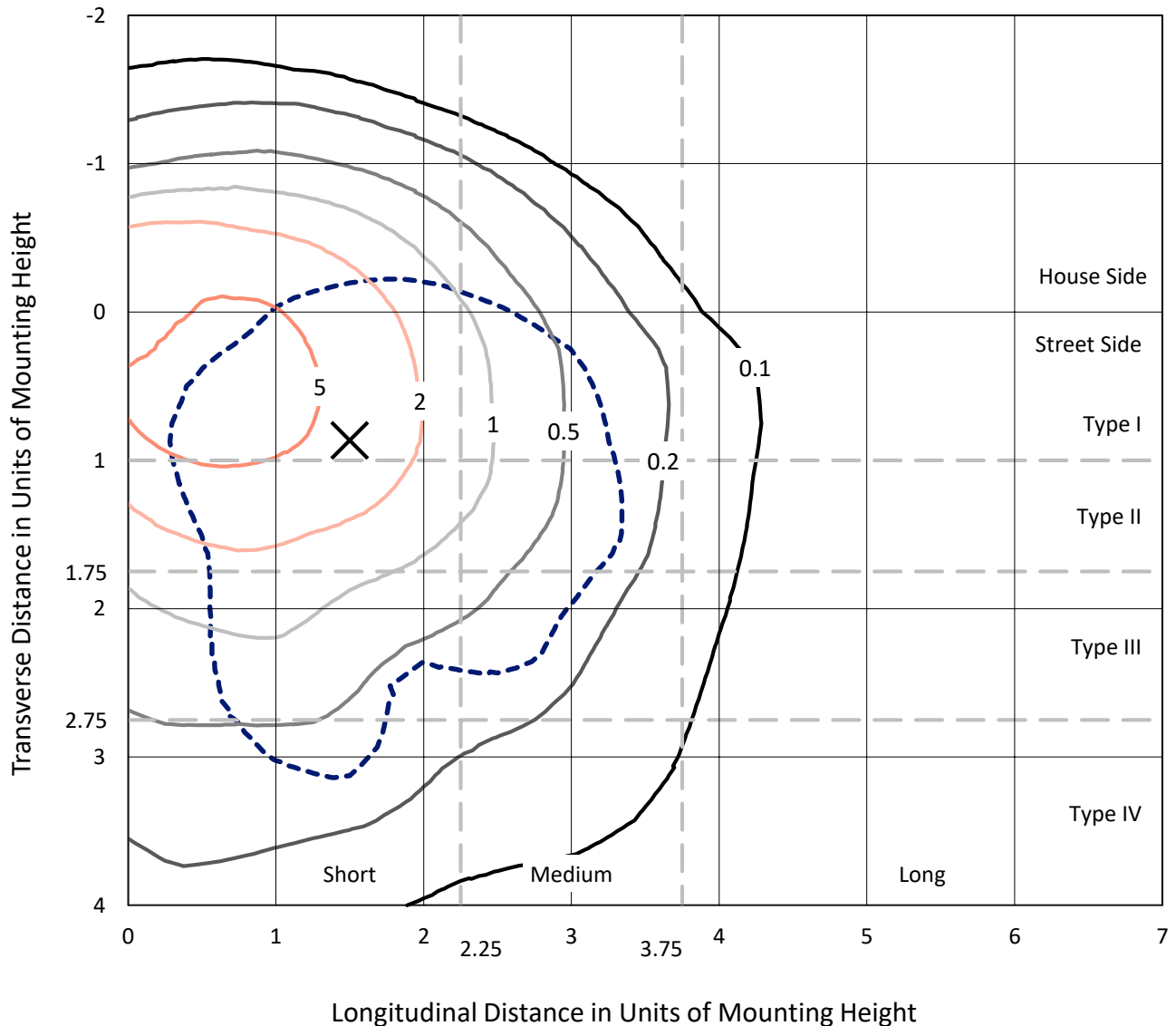
Lumens per Lamp: N/A  
Luminaire Lumens: 19635.4 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 194.5  
Input Voltage (V): NR  
Input Current (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

REPORT NUMBER: P158809

CATALOG NUMBER: VTS-E08-LED-E1-SLL-7030

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

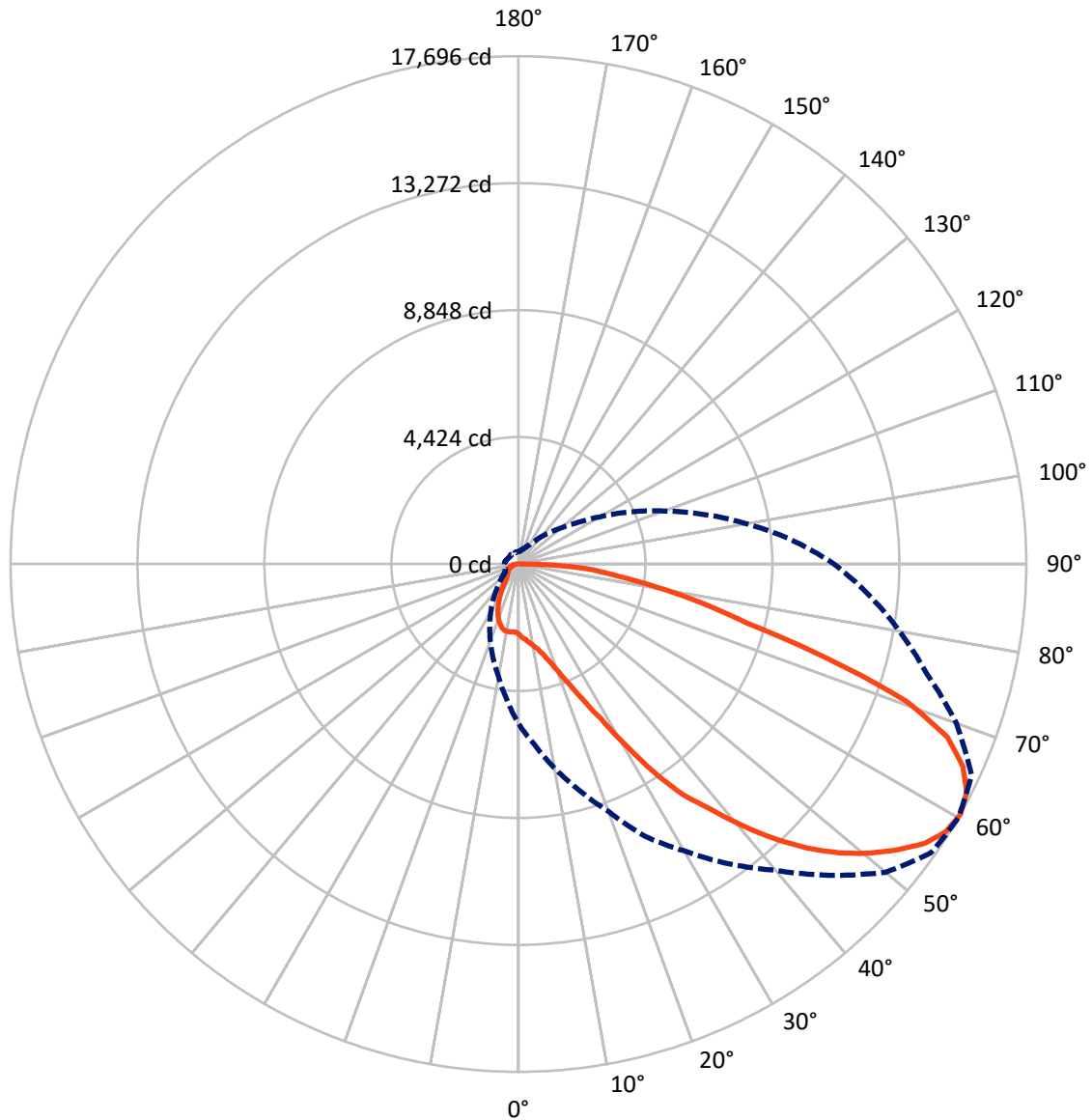


Based on 25 foot mounting height. Maximum calculated value = 9 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P158809

CATALOG NUMBER: VTS-E08-LED-E1-SLL-7030

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P158809

CATALOG NUMBER: VTS-E08-LED-E1-SLL-7030

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4421.3	0.0	4421.3
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	15214.2	0.0	15214.2
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	19635.4	0.0	19635.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.9	1.2
10°-20°	777.9	4.0
20°-30°	1476.1	7.5
30°-40°	2324.5	11.8
40°-50°	3244.5	16.5
50°-60°	4012.7	20.4
60°-70°	4159.3	21.2
70°-80°	2617.2	13.3
80°-90°	782.4	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°	19635.4	100.0
0°-180°	19635.4	100.0



REPORT NUMBER: P158809

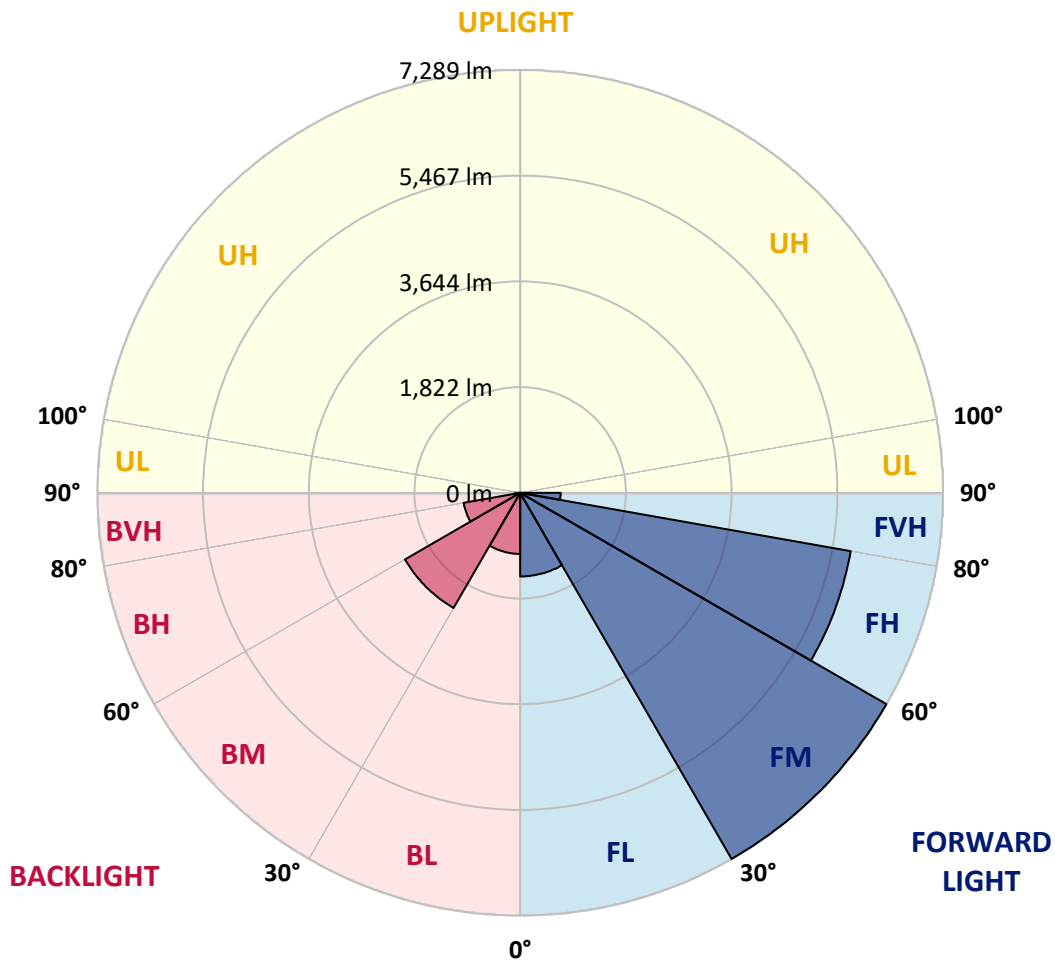
CATALOG NUMBER: VTS-E08-LED-E1-SLL-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1441.5	7.3			
FM	(30°-60°)	7289.0	37.1			
FH	(60°-80°)	5786.4	29.5			G3/7500
FVH	(80°-90°)	697.2	3.6			G4/750
BL	(0°-30°)	1053.3	5.4	B3/2500		
BM	(30°-60°)	2292.7	11.7	B2/2500		
BH	(60°-80°)	990.2	5.0	B2/1000		G2/1000
BVH	(80°-90°)	85.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short





REPORT NUMBER: P158809

CATALOG NUMBER: VTS-E08-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2.5°	2586.6	2583.7	2583.7	2583.7	2582.2	2579.3	2583.7	2582.2	2574.9	2570.5	2574.9
5°	2620.2	2621.7	2626.1	2627.5	2627.5	2631.9	2643.6	2645.1	2643.6	2646.5	2653.8
7.5°	2652.4	2659.7	2664.1	2671.4	2680.1	2687.4	2707.9	2728.4	2741.5	2751.7	2754.7
10°	2705.0	2716.7	2729.8	2748.8	2769.3	2805.8	2823.3	2843.8	2857.0	2877.4	2881.8
12.5°	2839.4	2854.0	2862.8	2892.0	2918.3	2953.4	2978.3	2984.1	3014.8	3032.3	3052.8
15°	3065.9	3087.9	3118.5	3136.1	3165.3	3196.0	3217.9	3247.1	3251.5	3274.9	3291.0
17.5°	3343.6	3374.3	3437.1	3479.5	3517.5	3548.2	3592.0	3625.6	3632.9	3659.2	3625.6
20°	3732.3	3806.8	3817.1	3901.8	3935.4	3996.8	4084.5	4100.6	4143.0	4100.6	4075.7
22.5°	4258.4	4375.3	4407.5	4489.3	4530.2	4623.7	4650.0	4736.3	4765.5	4733.3	4666.1
25°	4863.4	5044.6	5138.1	5263.8	5284.3	5475.7	5496.2	5597.0	5542.9	5465.5	5466.9
27.5°	5309.1	5617.5	5858.6	6073.4	6223.9	6440.2	6608.3	6655.0	6603.9	6503.1	6468.0
30°	5563.4	5912.7	6259.0	6555.7	6906.4	7236.7	7580.1	7751.1	7780.3	7832.9	7621.0
32.5°	5727.1	6175.7	6587.8	6954.6	7314.1	7739.4	8199.7	8639.6	9009.3	9288.4	9156.9
35°	5864.4	6418.3	6945.8	7390.1	7815.4	8278.6	8743.3	9262.1	9874.4	10232.4	10307.0
37.5°	5920.0	6596.6	7242.5	7812.4	8410.1	8931.8	9393.6	9855.4	10498.4	11137.0	11334.3
40°	5909.7	6684.3	7419.3	8135.4	8867.5	9519.3	10060.0	10606.6	11359.2	12105.9	12427.4
42.5°	5841.1	6697.4	7531.9	8350.2	9184.7	10051.2	10742.5	11372.3	12094.2	13051.4	13505.9
45°	5754.8	6652.1	7555.2	8459.8	9419.9	10422.4	11296.3	12075.2	12921.3	13866.9	14416.3
47.5°	5637.9	6580.5	7526.0	8497.8	9525.1	10660.6	11688.0	12624.7	13555.6	14644.3	15341.4
50°	5510.8	6478.2	7466.1	8470.0	9551.5	10790.7	11911.5	12978.3	14065.6	15240.5	16121.7
52.5°	5421.6	6368.6	7412.0	8413.1	9525.1	10830.1	11993.4	13168.3	14378.3	15592.7	16644.9
55°	5312.0	6222.5	7267.3	8280.1	9428.7	10808.2	11984.6	13234.1	14464.5	15728.6	16929.9
57.5°	5319.4	6155.3	7144.6	8120.8	9231.4	10605.1	11819.5	13168.3	14328.6	15640.9	16940.1
60°	5550.2	6299.9	7208.9	8152.9	9173.0	10476.5	11538.9	12744.5	13929.7	15338.4	16703.4
62.5°	6026.7	6713.5	7539.2	8474.4	9501.8	10733.7	11411.8	12040.1	13092.3	14781.7	16300.0
65°	6595.1	7214.7	7930.8	8820.8	9972.3	11151.6	11340.2	11467.3	11999.2	13698.8	15543.0
67.5°	7163.6	7717.4	8280.1	9018.1	10239.8	11271.5	11047.9	10745.4	11031.8	12440.6	14055.4
70°	7368.2	8103.2	8473.0	8980.1	10036.6	10992.4	10575.9	9814.5	9913.9	11194.0	12374.8
72.5°	7061.3	8109.1	8231.8	8420.4	9132.0	10030.8	9590.9	8611.8	8591.3	9569.0	10523.3
75°	5922.9	7397.4	7395.9	7325.8	7486.6	7998.0	7770.1	7179.7	7429.6	8199.7	8513.9
77.5°	4221.9	5772.4	5845.4	5373.4	5361.7	5592.6	5730.0	6416.8	7322.9	7755.4	7656.1
80°	2652.4	3894.5	4208.7	3625.6	3501.4	3828.8	4677.8	5677.4	6792.4	7181.1	6846.5
82.5°	1597.3	2509.2	3178.5	2848.2	2819.0	3415.2	4353.4	4742.1	5076.8	5490.3	4930.6
85°	1084.3	1671.8	2174.5	2240.3	2496.0	3112.7	3520.4	3348.0	3356.7	3248.6	2959.3
87.5°	207.5	455.9	745.3	909.0	1008.3	1354.7	1473.1	1334.2	1408.8	1030.3	1126.7
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: P158809

CATALOG NUMBER: VTS-E08-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2.5°	2567.6	2567.6	2567.6	2560.3	2561.8	2551.5	2547.2	2547.2	2542.8	2542.8	2541.3
5°	2648.0	2639.2	2643.6	2642.1	2642.1	2627.5	2620.2	2620.2	2601.2	2602.7	2596.8
7.5°	2767.8	2766.4	2770.7	2762.0	2750.3	2738.6	2726.9	2721.1	2694.7	2678.7	2668.4
10°	2903.7	2902.3	2906.6	2905.2	2884.7	2862.8	2830.7	2807.3	2775.1	2750.3	2725.4
12.5°	3052.8	3051.3	3048.4	3035.2	3013.3	2978.3	2937.3	2897.9	2849.7	2817.5	2781.0
15°	3285.1	3280.8	3263.2	3244.2	3220.8	3166.8	3095.2	3038.2	2973.9	2918.3	2858.4
17.5°	3628.6	3592.0	3589.1	3546.7	3483.9	3412.3	3345.1	3250.1	3158.0	3074.7	2992.9
20°	4102.0	4017.3	3993.9	3945.7	3862.4	3787.8	3641.7	3514.6	3388.9	3274.9	3171.2
22.5°	4617.9	4556.5	4499.5	4420.6	4306.6	4198.5	4012.9	3853.6	3692.9	3546.7	3431.3
25°	5338.4	5231.7	5129.4	5003.7	4845.9	4717.3	4505.4	4344.6	4134.2	4001.2	3834.6
27.5°	6269.2	6086.6	5914.1	5806.0	5528.3	5341.3	5070.9	4863.4	4609.1	4429.4	4232.1
30°	7480.7	7268.8	7013.1	6639.0	6308.7	5937.5	5602.9	5336.9	5066.5	4815.2	4587.2
32.5°	8983.0	8608.9	8204.1	7610.8	7068.6	6539.6	6093.9	5766.5	5490.3	5177.6	4856.1
35°	10252.9	9867.1	9292.8	8538.7	7869.4	7264.4	6731.0	6283.9	5922.9	5526.9	5101.6
37.5°	11255.4	10815.5	10276.3	9475.5	8768.2	8079.9	7520.2	6950.2	6476.7	5931.7	5393.9
40°	12404.0	11962.7	11369.4	10539.3	9702.0	8955.2	8299.1	7710.1	7128.5	6463.6	5772.4
42.5°	13405.1	13086.5	12485.9	11628.0	10700.1	9868.6	9151.0	8477.4	7717.4	6973.6	6155.3
45°	14448.5	14124.0	13554.1	12656.8	11670.4	10743.9	9886.1	9161.3	8264.0	7378.4	6441.7
47.5°	15370.6	15037.4	14461.6	13570.2	12522.4	11546.2	10602.2	9725.4	8683.4	7666.3	6628.7
50°	16250.3	15842.6	15315.1	14426.6	13307.1	12263.7	11239.3	10114.1	9009.3	7868.0	6755.9
52.5°	17058.5	16539.7	16039.9	15125.1	13915.1	12824.9	11682.1	10444.3	9209.5	8027.3	6842.1
55°	17517.3	17182.7	16585.0	15686.2	14347.6	13210.7	11962.7	10676.7	9408.2	8139.8	6878.6
57.5°	17659.1	17577.2	17076.0	16010.7	14601.9	13422.6	12152.7	10860.8	9541.2	8171.9	6827.5
60°	17546.6	17695.6	17420.9	16238.6	14717.4	13485.4	12246.2	10992.4	9564.6	8069.6	6672.6
62.5°	17185.6	17524.6	17489.6	16314.6	14657.4	13406.5	12236.0	10925.1	9345.4	7751.1	6324.8
65°	16592.3	17019.0	17169.5	16032.6	14319.9	13118.6	11975.8	10502.8	8736.0	7128.5	5741.7
67.5°	15475.8	16121.7	16267.9	15109.0	13437.2	12322.2	11226.2	9626.0	7607.8	6165.5	4831.3
70°	13238.5	14368.1	14565.4	13349.5	11880.9	10901.7	9972.3	8236.2	6335.0	4945.2	3707.5
72.5°	10568.6	11278.8	11682.1	10844.8	9751.7	9041.4	8337.1	6318.9	4780.1	3649.0	2551.5
75°	8262.5	8220.2	8581.1	8024.3	7381.3	7049.6	6520.6	4408.9	3201.8	2417.1	1614.8
77.5°	7064.2	6520.6	6109.9	5718.3	5336.9	5231.7	4724.6	2735.7	1978.7	1448.2	966.0
80°	5871.7	4879.5	4129.8	3578.9	3443.0	3650.5	3092.2	1613.3	1172.0	831.5	606.5
82.5°	4195.6	3510.2	2857.0	2507.7	2275.3	2605.6	1823.8	895.8	635.7	498.3	401.9
85°	2719.6	2599.8	2572.0	2458.0	2176.0	2054.7	1385.4	771.6	476.4	309.8	249.9
87.5°	1046.3	1341.5	1547.6	1658.6	1793.1	1597.3	721.9	266.0	261.6	160.7	121.3
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: P158809

CATALOG NUMBER: VTS-E08-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2.5°	2531.1	2525.2	2523.8	2519.4	2516.5	2516.5	2509.2	2376.2	2374.7	2374.7	2373.2
5°	2585.1	2577.8	2570.5	2569.1	2563.2	2563.2	2555.9	2422.9	2422.9	2422.9	2420.0
7.5°	2658.2	2643.6	2634.8	2630.4	2621.7	2626.1	2631.9	2497.5	2498.9	2497.5	2500.4
10°	2710.8	2702.1	2691.8	2688.9	2683.1	2687.4	2696.2	2563.2	2567.6	2569.1	2572.0
12.5°	2762.0	2747.4	2734.2	2729.8	2726.9	2738.6	2748.8	2620.2	2624.6	2629.0	2629.0
15°	2824.8	2800.0	2782.4	2772.2	2766.4	2778.0	2792.7	2665.5	2667.0	2671.4	2669.9
17.5°	2931.5	2895.0	2854.0	2846.7	2827.7	2832.1	2835.0	2693.3	2687.4	2677.2	2659.7
20°	3096.6	3041.1	2985.6	2962.2	2924.2	2908.1	2876.0	2694.7	2658.2	2627.5	2601.2
22.5°	3333.4	3251.5	3191.6	3152.2	3074.7	3020.6	2933.0	2687.4	2618.8	2566.1	2525.2
25°	3716.2	3618.3	3526.3	3426.9	3305.6	3197.5	3068.9	2751.7	2645.1	2554.5	2475.5
27.5°	4088.9	3934.0	3792.2	3643.2	3472.2	3310.0	3128.8	2772.2	2650.9	2534.0	2405.4
30°	4368.0	4143.0	3928.1	3710.4	3486.8	3276.4	3071.8	2702.1	2557.4	2425.9	2290.0
32.5°	4537.5	4245.3	3966.1	3695.8	3432.7	3196.0	2966.6	2580.8	2421.5	2266.6	2121.9
35°	4698.3	4335.9	3989.5	3670.9	3369.9	3106.9	2859.9	2439.0	2249.0	2083.9	1901.2
37.5°	4897.0	4430.8	4004.1	3625.6	3277.8	2976.8	2705.0	2260.7	2070.7	1867.6	1695.2
40°	5135.2	4528.8	3989.5	3535.0	3134.6	2805.8	2517.9	2073.7	1861.8	1664.5	1495.0
42.5°	5361.7	4615.0	3951.5	3413.7	2978.3	2627.5	2346.9	1907.1	1695.2	1493.5	1325.5
45°	5529.8	4688.0	3932.5	3329.0	2858.4	2506.2	2196.4	1772.6	1549.0	1345.9	1174.9
47.5°	5646.7	4731.9	3923.8	3282.2	2775.1	2380.6	2059.1	1638.2	1402.9	1198.3	1031.7
50°	5708.1	4730.4	3901.8	3231.1	2652.4	2230.0	1917.3	1502.3	1268.5	1068.3	916.3
52.5°	5724.1	4704.1	3855.1	3137.5	2503.3	2079.5	1765.3	1360.5	1150.1	958.7	805.2
55°	5687.6	4639.8	3757.2	2981.2	2344.0	1920.2	1626.5	1249.5	1034.6	853.4	733.6
57.5°	5583.9	4525.8	3573.0	2766.4	2176.0	1772.6	1467.2	1115.0	909.0	757.0	657.6
60°	5391.0	4284.7	3285.1	2512.1	1962.6	1547.6	1248.0	939.7	776.0	662.0	581.6
62.5°	5034.4	3906.2	2880.3	2161.4	1655.7	1255.3	996.6	749.7	626.9	552.4	502.7
65°	4460.1	3336.3	2411.2	1702.5	1258.2	913.4	740.9	564.1	474.9	429.6	415.0
67.5°	3640.2	2576.4	1753.6	1182.2	852.0	640.1	515.9	412.1	369.7	352.2	346.3
70°	2646.5	1755.1	1135.5	746.8	562.6	447.2	390.2	331.7	308.3	304.0	304.0
72.5°	1661.6	1066.8	695.6	511.5	426.7	362.4	333.2	292.3	283.5	280.6	276.2
75°	974.7	647.4	492.5	419.4	365.3	324.4	299.6	266.0	260.1	258.7	254.3
77.5°	621.1	466.2	397.5	358.0	330.3	293.7	271.8	236.7	235.3	233.8	232.4
80°	445.7	387.3	347.8	317.1	289.3	255.7	242.6	214.8	211.9	210.4	213.4
82.5°	337.6	320.0	304.0	280.6	242.6	217.7	207.5	188.5	190.0	182.7	181.2
85°	232.4	229.4	228.0	217.7	190.0	168.1	160.7	150.5	157.8	150.5	141.8
87.5°	114.0	112.5	103.8	122.8	114.0	90.6	81.8	90.6	100.8	97.9	90.6
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: P158809

CATALOG NUMBER: VTS-E08-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2.5°	2367.4	2361.6	2365.9	2363.0	2363.0	2361.6	2364.5	2360.1	2357.2	2360.1	2361.6
5°	2414.2	2406.9	2408.3	2398.1	2402.5	2392.2	2395.2	2387.9	2380.6	2377.6	2377.6
7.5°	2493.1	2485.8	2477.0	2475.5	2459.5	2453.6	2443.4	2437.5	2433.2	2422.9	2417.1
10°	2564.7	2553.0	2542.8	2541.3	2525.2	2510.6	2497.5	2485.8	2478.5	2463.9	2456.5
12.5°	2623.1	2611.5	2595.4	2586.6	2570.5	2553.0	2544.2	2526.7	2516.5	2500.4	2487.2
15°	2656.8	2636.3	2612.9	2596.8	2573.5	2554.5	2541.3	2528.2	2517.9	2497.5	2478.5
17.5°	2640.7	2607.1	2574.9	2545.7	2513.5	2496.0	2477.0	2460.9	2458.0	2434.6	2405.4
20°	2573.5	2534.0	2491.6	2452.2	2409.8	2384.9	2361.6	2336.7	2329.4	2301.6	2263.6
22.5°	2491.6	2446.3	2398.1	2349.9	2295.8	2260.7	2225.7	2195.0	2170.1	2129.2	2075.1
25°	2408.3	2341.1	2271.0	2209.6	2146.7	2102.9	2066.4	2032.8	2003.5	1937.8	1882.2
27.5°	2298.7	2193.5	2121.9	2051.8	1975.8	1918.8	1877.8	1831.1	1798.9	1722.9	1664.5
30°	2158.4	2053.2	1950.9	1880.8	1804.8	1743.4	1690.8	1623.6	1576.8	1521.3	1467.2
32.5°	1981.6	1876.4	1772.6	1693.7	1630.9	1554.9	1489.1	1424.8	1370.8	1316.7	1274.3
35°	1766.8	1664.5	1566.6	1487.7	1417.5	1357.6	1294.8	1239.2	1177.9	1119.4	1094.6
37.5°	1540.3	1430.7	1322.5	1253.8	1198.3	1155.9	1097.5	1052.2	996.6	961.6	932.3
40°	1343.0	1226.1	1123.8	1065.3	1021.5	973.3	925.0	890.0	850.5	815.4	793.5
42.5°	1176.4	1066.8	979.1	929.4	876.8	824.2	787.7	758.4	733.6	707.3	681.0
45°	1023.0	917.7	844.7	783.3	739.4	697.1	672.2	659.1	644.5	628.4	610.8
47.5°	894.4	803.7	732.1	675.1	629.8	600.6	588.9	584.5	578.7	565.5	556.8
50°	796.4	721.9	648.8	597.7	559.7	545.1	531.9	527.6	520.2	515.9	510.0
52.5°	714.6	635.7	574.3	527.6	504.2	498.3	492.5	486.6	485.2	482.2	479.3
55°	647.4	578.7	521.7	486.6	474.9	470.6	469.1	463.3	461.8	461.8	457.4
57.5°	587.5	529.0	477.9	455.9	448.6	444.3	441.3	438.4	438.4	441.3	439.9
60°	526.1	476.4	445.7	434.0	429.6	422.3	415.0	412.1	413.6	420.9	420.9
62.5°	466.2	429.6	410.6	406.3	401.9	396.0	387.3	384.3	387.3	396.0	400.4
65°	400.4	384.3	378.5	375.6	372.6	368.3	362.4	359.5	361.0	365.3	371.2
67.5°	340.5	339.0	339.0	340.5	339.0	337.6	334.7	330.3	328.8	328.8	331.7
70°	304.0	304.0	308.3	308.3	306.9	306.9	302.5	298.1	295.2	292.3	293.7
72.5°	276.2	276.2	277.7	279.1	277.7	277.7	271.8	268.9	261.6	260.1	257.2
75°	252.8	249.9	249.9	248.4	247.0	248.4	242.6	235.3	232.4	230.9	228.0
77.5°	229.4	223.6	220.7	217.7	219.2	217.7	213.4	209.0	204.6	203.1	201.7
80°	203.1	194.4	190.0	182.7	187.1	188.5	185.6	181.2	179.7	178.3	176.8
82.5°	168.1	159.3	153.4	149.1	146.1	149.1	153.4	163.7	160.7	159.3	156.4
85°	131.5	116.9	109.6	111.1	103.8	105.2	118.4	124.2	124.2	127.1	124.2
87.5°	74.5	71.6	54.1	49.7	52.6	62.8	70.1	77.5	77.5	73.1	81.8
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: P158809

CATALOG NUMBER: VTS-E08-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2.5°	2361.6	2364.5	2365.9	2371.8	2374.7	2376.2	2377.6	2380.6	2382.0	2380.6	2387.9
5°	2373.2	2373.2	2370.3	2374.7	2376.2	2376.2	2373.2	2376.2	2376.2	2376.2	2383.5
7.5°	2403.9	2395.2	2390.8	2384.9	2380.6	2374.7	2367.4	2367.4	2365.9	2367.4	2371.8
10°	2436.1	2422.9	2406.9	2392.2	2379.1	2368.9	2355.7	2351.3	2349.9	2348.4	2360.1
12.5°	2460.9	2437.5	2412.7	2387.9	2361.6	2344.0	2322.1	2308.9	2307.5	2307.5	2322.1
15°	2443.4	2405.4	2357.2	2313.3	2290.0	2265.1	2240.3	2224.2	2222.7	2225.7	2234.4
17.5°	2355.7	2294.3	2252.0	2209.6	2178.9	2158.4	2142.4	2139.4	2145.3	2139.4	2151.1
20°	2206.7	2140.9	2111.7	2078.1	2066.4	2051.8	2028.4	2007.9	2007.9	1981.6	1988.9
22.5°	2013.8	1977.2	1939.2	1912.9	1904.2	1879.3	1854.5	1826.7	1823.8	1791.6	1787.2
25°	1812.1	1775.6	1744.9	1739.0	1712.7	1679.1	1655.7	1623.6	1616.3	1584.1	1579.7
27.5°	1606.0	1576.8	1546.1	1528.6	1514.0	1477.4	1457.0	1419.0	1404.4	1369.3	1364.9
30°	1410.2	1389.8	1353.2	1338.6	1310.8	1268.5	1224.6	1201.2	1189.5	1153.0	1141.3
32.5°	1226.1	1193.9	1166.2	1148.6	1113.6	1065.3	1025.9	992.3	970.3	926.5	914.8
35°	1050.7	1018.6	1005.4	960.1	929.4	897.3	843.2	822.7	783.3	749.7	738.0
37.5°	895.8	865.1	847.6	809.6	778.9	746.8	714.6	688.3	669.3	662.0	662.0
40°	762.8	746.8	724.8	697.1	676.6	653.2	635.7	626.9	625.5	628.4	635.7
42.5°	667.8	650.3	635.7	621.1	606.5	603.5	599.2	605.0	612.3	619.6	626.9
45°	596.2	581.6	572.9	567.0	565.5	569.9	578.7	587.5	600.6	609.4	615.2
47.5°	545.1	533.4	530.5	529.0	536.3	549.5	561.2	574.3	584.5	593.3	599.2
50°	501.2	491.0	489.6	488.1	498.3	510.0	520.2	537.8	545.1	550.9	555.3
52.5°	470.6	461.8	457.4	458.9	469.1	479.3	493.9	507.1	517.3	521.7	526.1
55°	445.7	442.8	432.6	436.9	447.2	460.3	474.9	489.6	499.8	507.1	514.4
57.5°	426.7	419.4	412.1	419.4	429.6	442.8	460.3	473.5	486.6	496.9	504.2
60°	406.3	400.4	394.6	401.9	412.1	425.3	438.4	455.9	472.0	482.2	489.6
62.5°	388.7	384.3	378.5	380.0	384.3	393.1	400.4	416.5	431.1	444.3	453.0
65°	363.9	362.4	353.6	355.1	358.0	366.8	372.6	387.3	401.9	413.6	420.9
67.5°	327.3	324.4	324.4	328.8	330.3	334.7	339.0	353.6	365.3	374.1	382.9
70°	290.8	289.3	289.3	292.3	290.8	295.2	301.0	314.2	328.8	337.6	346.3
72.5°	255.7	255.7	254.3	257.2	257.2	258.7	266.0	277.7	290.8	298.1	304.0
75°	225.0	223.6	223.6	223.6	225.0	225.0	232.4	242.6	255.7	260.1	268.9
77.5°	197.3	197.3	197.3	197.3	198.7	197.3	201.7	209.0	213.4	220.7	220.7
80°	173.9	172.4	173.9	175.4	175.4	173.9	173.9	175.4	176.8	176.8	176.8
82.5°	153.4	149.1	152.0	159.3	159.3	159.3	157.8	147.6	140.3	140.3	143.2
85°	122.8	122.8	124.2	134.4	135.9	130.1	135.9	121.3	106.7	102.3	105.2
87.5°	76.0	59.9	73.1	83.3	83.3	78.9	87.7	81.8	68.7	55.5	52.6
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: P158809  
 CATALOG NUMBER: VTS-E08-LED-E1-SLL-7030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	0°
2.5°	2393.7	2395.2	2403.9	2408.3	2408.3	2414.2	2417.1	2425.9	2424.4	2424.4	2427.3	2.5°
5°	2390.8	2395.2	2403.9	2409.8	2412.7	2420.0	2425.9	2436.1	2434.6	2437.5	2439.0	5°
7.5°	2380.6	2392.2	2401.0	2412.7	2422.9	2428.8	2436.1	2444.9	2441.9	2443.4	2441.9	7.5°
10°	2371.8	2383.5	2401.0	2417.1	2431.7	2440.5	2444.9	2455.1	2453.6	2456.5	2456.5	10°
12.5°	2336.7	2357.2	2379.1	2403.9	2425.9	2449.2	2463.9	2485.8	2496.0	2509.2	2523.8	12.5°
15°	2247.6	2271.0	2306.0	2333.8	2376.2	2408.3	2450.7	2493.1	2531.1	2567.6	2610.0	15°
17.5°	2159.9	2170.1	2197.9	2235.9	2273.9	2322.1	2373.2	2449.2	2517.9	2592.5	2674.3	17.5°
20°	1997.7	2015.2	2034.2	2079.5	2124.8	2193.5	2256.3	2355.7	2456.5	2573.5	2699.1	20°
22.5°	1797.5	1815.0	1835.5	1886.6	1942.1	2012.3	2088.3	2199.3	2333.8	2485.8	2653.8	22.5°
25°	1581.2	1591.4	1607.5	1658.6	1692.3	1784.3	1876.4	1991.8	2138.0	2333.8	2529.6	25°
27.5°	1343.0	1362.0	1375.1	1398.5	1476.0	1554.9	1651.3	1775.6	1952.4	2152.6	2389.3	27.5°
30°	1115.0	1131.1	1123.8	1173.5	1224.6	1307.9	1411.7	1549.0	1718.6	1956.8	2230.0	30°
32.5°	891.4	903.1	898.7	933.8	985.0	1068.3	1166.2	1315.2	1495.0	1749.2	2045.9	32.5°
35°	735.1	738.0	754.1	770.1	814.0	881.2	964.5	1094.6	1278.7	1512.5	1826.7	35°
37.5°	662.0	667.8	678.1	700.0	732.1	780.4	849.1	949.9	1107.7	1313.8	1594.3	37.5°
40°	640.1	644.5	650.3	664.9	695.6	738.0	799.4	884.1	999.6	1173.5	1401.4	40°
42.5°	629.8	629.8	629.8	638.6	662.0	707.3	777.4	860.7	961.6	1093.1	1277.2	42.5°
45°	615.2	615.2	613.8	618.2	634.2	679.5	755.5	849.1	957.2	1082.9	1242.2	45°
47.5°	599.2	597.7	593.3	593.3	603.5	648.8	727.8	828.6	947.0	1091.6	1262.6	47.5°
50°	555.3	555.3	555.3	559.7	568.5	609.4	694.1	800.8	936.7	1097.5	1294.8	50°
52.5°	530.5	531.9	536.3	536.3	545.1	587.5	676.6	795.0	942.6	1119.4	1335.7	52.5°
55°	518.8	523.2	527.6	527.6	534.9	578.7	670.8	799.4	964.5	1164.7	1405.8	55°
57.5°	508.6	512.9	515.9	515.9	521.7	559.7	654.7	792.1	977.7	1208.5	1492.0	57.5°
60°	489.6	492.5	493.9	493.9	495.4	527.6	618.2	757.0	948.4	1205.6	1538.8	60°
62.5°	454.5	460.3	461.8	463.3	463.3	493.9	571.4	700.0	885.6	1161.8	1525.7	62.5°
65°	428.2	431.1	435.5	438.4	444.3	464.7	526.1	631.3	803.7	1074.1	1452.6	65°
67.5°	387.3	391.6	396.0	401.9	407.7	420.9	469.1	553.9	692.7	925.0	1288.9	67.5°
70°	350.7	352.2	356.6	363.9	365.3	372.6	407.7	466.2	567.0	742.4	1037.6	70°
72.5°	305.4	308.3	314.2	323.0	323.0	328.8	349.3	380.0	444.3	567.0	765.8	72.5°
75°	266.0	268.9	273.3	273.3	266.0	267.4	282.0	304.0	352.2	426.7	558.2	75°
77.5°	220.7	226.5	230.9	222.1	219.2	223.6	230.9	247.0	282.0	339.0	419.4	77.5°
80°	182.7	185.6	187.1	188.5	185.6	190.0	195.8	206.1	229.4	273.3	331.7	80°
82.5°	146.1	149.1	153.4	159.3	159.3	175.4	176.8	176.8	190.0	217.7	260.1	82.5°
85°	108.1	114.0	119.8	127.1	128.6	137.4	133.0	131.5	135.9	162.2	179.7	85°
87.5°	55.5	59.9	62.8	68.7	61.4	64.3	64.3	59.9	52.6	65.8	73.1	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: P158809

NUMBER: VTS-E08-LED-E1-SLL-7030

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2430.2	2427.3	2430.2	2430.2	2434.6	2431.7	2586.6
2441.9	2439.0	2441.9	2444.9	2449.2	2449.2	2620.2
2443.4	2443.4	2440.5	2447.8	2453.6	2459.5	2652.4
2460.9	2460.9	2463.9	2465.3	2478.5	2493.1	2705.0
2532.5	2539.8	2553.0	2557.4	2580.8	2596.8	2839.4
2642.1	2683.1	2709.4	2718.1	2738.6	2769.3	3065.9
2753.2	2821.9	2893.5	2937.3	2963.6	3000.2	3343.6
2836.5	2965.1	3087.9	3197.5	3260.3	3331.9	3732.3
2843.8	3048.4	3255.9	3459.0	3627.1	3760.1	4258.4
2773.7	3042.6	3329.0	3640.2	3929.6	4169.3	4863.4
2684.5	3014.8	3380.1	3777.6	4157.6	4511.2	5309.1
2572.0	2968.0	3388.9	3836.1	4281.8	4707.0	5563.4
2401.0	2829.2	3283.7	3777.6	4294.9	4812.3	5727.1
2181.8	2618.8	3084.9	3647.6	4233.6	4854.6	5864.4
1958.2	2389.3	2890.6	3473.7	4135.7	4847.3	5920.0
1721.5	2149.7	2662.6	3288.1	4002.7	4780.1	5909.7
1560.7	1950.9	2453.6	3099.5	3855.1	4691.0	5841.1
1467.2	1809.2	2288.5	2927.1	3720.6	4584.3	5754.8
1465.7	1766.8	2200.8	2804.4	3584.7	4465.9	5637.9
1516.9	1793.1	2190.6	2751.7	3510.2	4379.7	5510.8
1576.8	1866.2	2244.6	2770.7	3508.7	4341.7	5421.6
1671.8	1990.4	2363.0	2852.6	3546.7	4335.9	5312.0
1793.1	2158.4	2576.4	3054.2	3694.3	4451.3	5319.4
1917.3	2355.7	2855.5	3399.1	3985.1	4720.2	5550.2
1962.6	2507.7	3139.0	3803.9	4420.6	5123.5	6026.7
1923.2	2542.8	3311.4	4118.1	4844.4	5595.5	6595.1
1777.0	2401.0	3241.3	4207.3	5088.5	5930.2	7163.6
1462.8	2048.8	2922.7	4007.1	5069.5	5998.9	7368.2
1072.6	1588.5	2376.2	3405.0	4506.8	5569.2	7061.3
774.5	1123.8	1715.6	2564.7	3562.8	4484.9	5922.9
555.3	778.9	1113.6	1684.9	2427.3	3122.9	4221.9
399.0	529.0	694.1	1011.3	1478.9	1917.3	2652.4
293.7	362.4	455.9	628.4	871.0	1116.5	1597.3
200.2	213.4	274.7	371.2	571.4	821.3	1084.3
76.0	86.2	100.8	152.0	255.7	293.7	207.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)