

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: P158918

Luminaire Tested: **VST-E08-LED-E-U-SLL-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158918
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-E08-LED-E-U-SLL-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (168) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18144.3 lumens
Efficiency: N/A
Efficacy: 93.3 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): 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: 28.75 FT

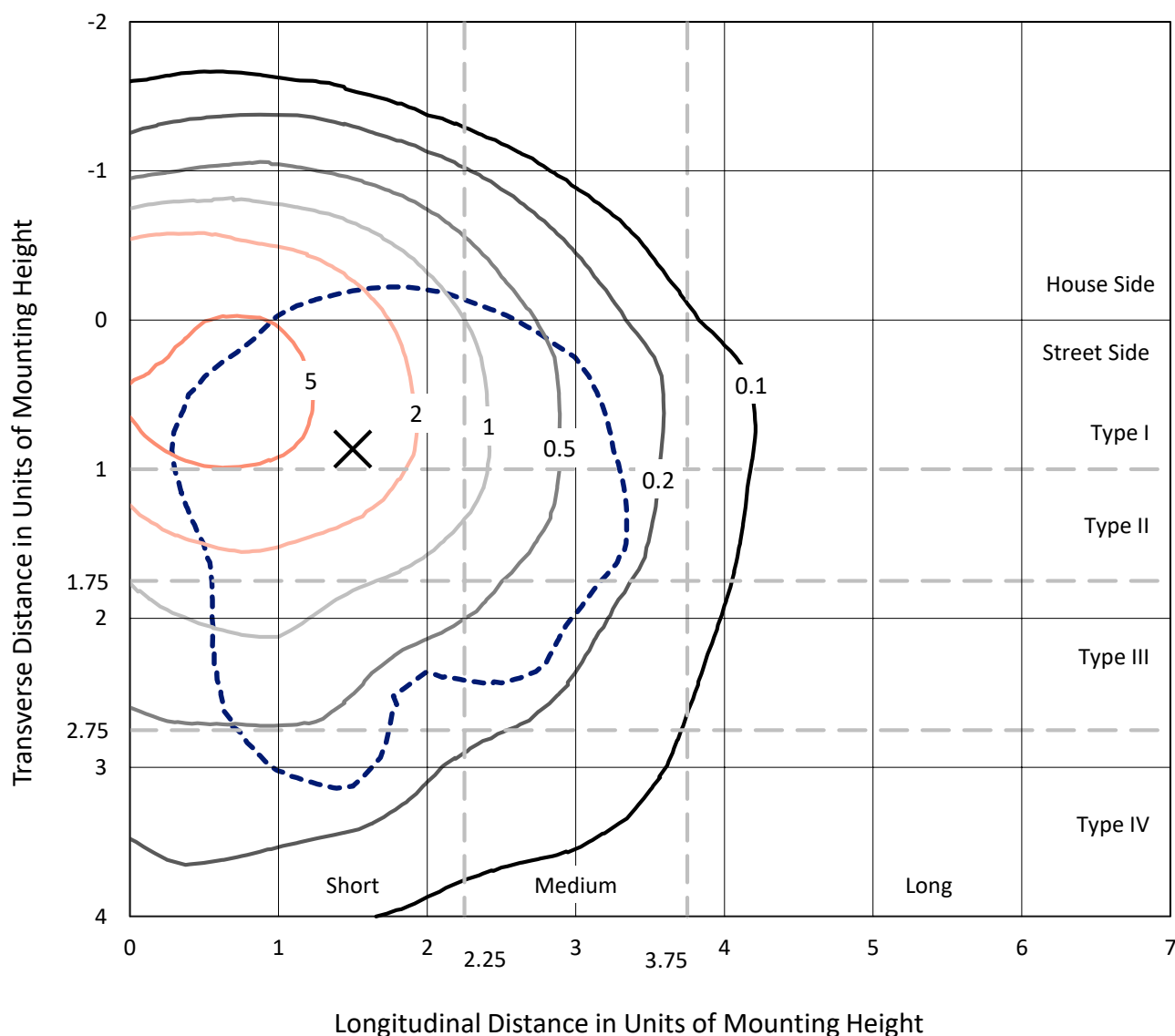


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

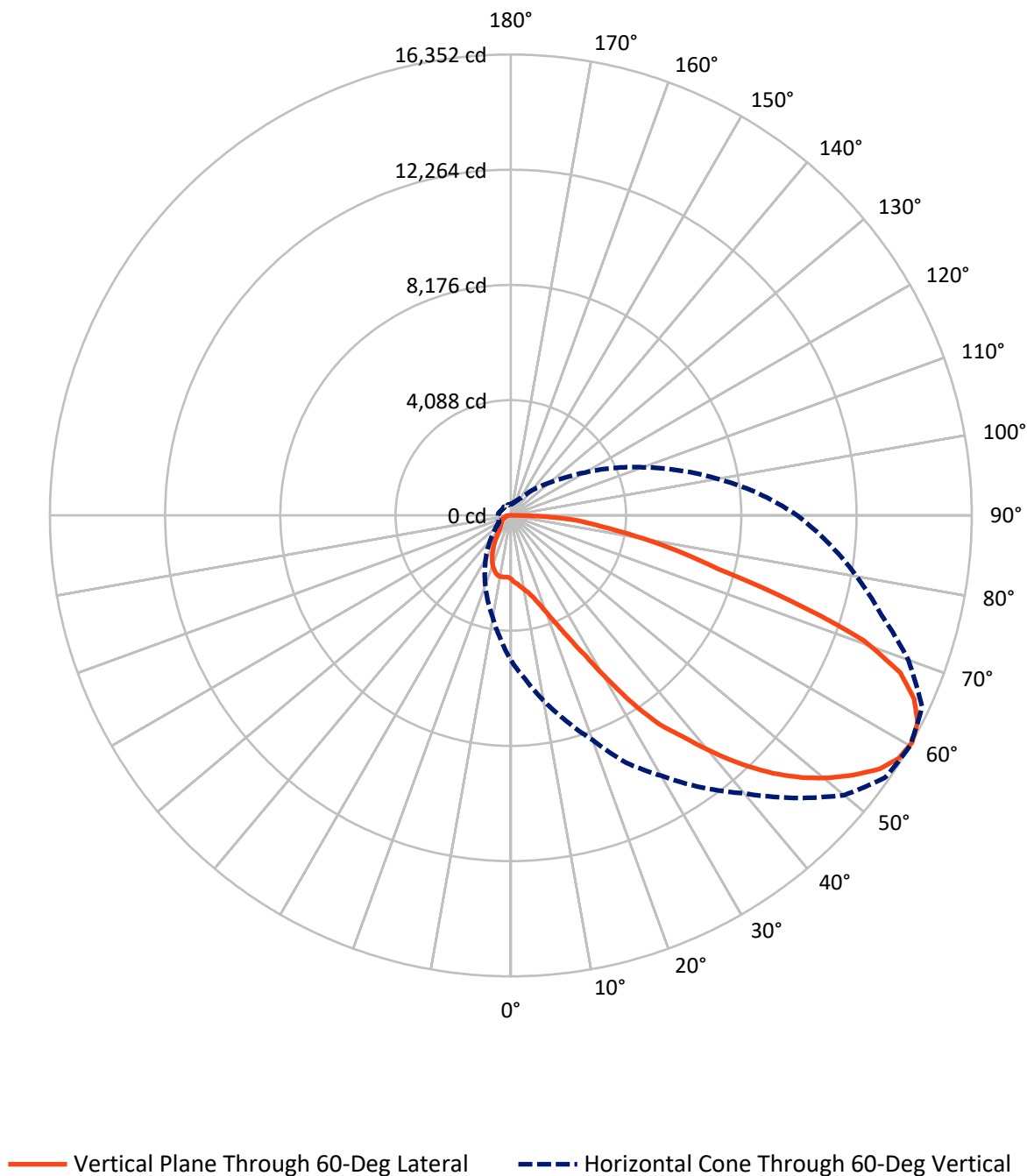


Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4085.5	0.0	4085.5
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	14058.8	0.0	14058.8
	% Fixture	77.5	0.0	77.5
Total	Lumens	18144.3	0.0	18144.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.6	1.2
10°-20°	718.8	4.0
20°-30°	1364.0	7.5
30°-40°	2148.0	11.8
40°-50°	2998.1	16.5
50°-60°	3708.0	20.4
60°-70°	3843.5	21.2
70°-80°	2418.5	13.3
80°-90°	722.9	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°	18144.3	100.0
0°-180°	18144.3	100.0

Coefficient of Utilization



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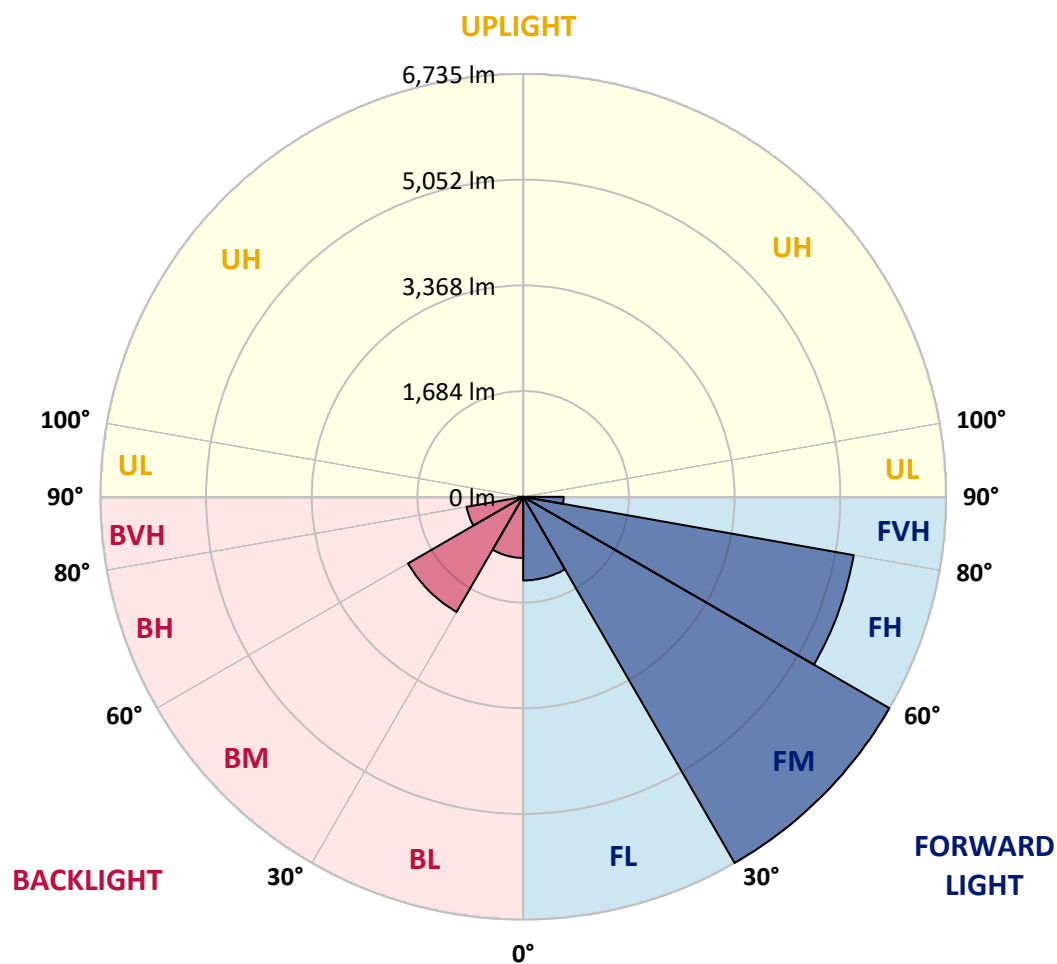
CATALOG NUMBER: VST-E08-LED-E-U-SLL-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1332.1	7.3			
FM	(30°-60°)	6735.5	37.1			
FH	(60°-80°)	5347.0	29.5			G3/7500
FVH	(80°-90°)	644.3	3.6			G4/750
BL	(0°-30°)	973.3	5.4	B2/1000		
BM	(30°-60°)	2118.6	11.7	B2/2500		
BH	(60°-80°)	915.0	5.0	B2/1000		G2/1000
BVH	(80°-90°)	78.6	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°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2390.2	2387.5	2387.5	2387.5	2386.1	2383.4	2387.5	2386.1	2379.4	2375.3	2379.4
5°	2421.2	2422.6	2426.6	2428.0	2428.0	2432.0	2442.8	2444.2	2442.8	2445.5	2452.3
7.5°	2450.9	2457.7	2461.8	2468.5	2476.6	2483.4	2502.3	2521.2	2533.3	2542.8	2545.5
10°	2499.6	2510.4	2522.5	2540.1	2559.0	2592.7	2608.9	2627.9	2640.0	2658.9	2663.0
12.5°	2623.8	2637.3	2645.4	2672.4	2696.7	2729.1	2752.1	2757.5	2785.8	2802.0	2821.0
15°	2833.1	2853.4	2881.7	2897.9	2924.9	2953.3	2973.5	3000.6	3004.6	3026.2	3041.1
17.5°	3089.7	3118.0	3176.1	3215.3	3250.4	3278.7	3319.2	3350.3	3357.1	3381.4	3350.3
20°	3448.9	3517.8	3527.2	3605.5	3636.6	3693.3	3774.3	3789.2	3828.3	3789.2	3766.2
22.5°	3935.0	4043.1	4072.8	4148.4	4186.2	4272.6	4296.9	4376.6	4403.6	4373.9	4311.8
25°	4494.1	4661.5	4748.0	4864.1	4883.0	5059.9	5078.8	5172.0	5122.0	5050.4	5051.8
27.5°	4906.0	5190.9	5413.7	5612.2	5751.3	5951.1	6106.4	6149.7	6102.4	6009.2	5976.8
30°	5140.9	5463.7	5783.7	6057.8	6381.9	6687.1	7004.4	7162.4	7189.5	7238.1	7042.3
32.5°	5292.2	5706.7	6087.5	6426.5	6758.7	7151.6	7577.0	7983.5	8325.1	8583.1	8461.5
35°	5419.1	5930.9	6418.4	6828.9	7221.9	7649.9	8079.4	8558.7	9124.6	9455.4	9524.3
37.5°	5470.4	6095.6	6692.5	7219.2	7771.5	8253.6	8680.3	9107.0	9701.2	10291.3	10473.6
40°	5461.0	6176.7	6855.9	7517.6	8194.1	8796.4	9296.1	9801.1	10496.5	11186.6	11483.7
42.5°	5397.5	6188.8	6959.9	7716.1	8487.2	9288.0	9926.7	10508.7	11175.8	12060.3	12480.3
45°	5317.8	6147.0	6981.5	7817.4	8704.6	9630.9	10438.5	11158.2	11940.1	12813.8	13321.6
47.5°	5209.8	6080.8	6954.5	7852.5	8801.8	9851.1	10800.4	11666.0	12526.2	13532.2	14176.3
50°	5092.3	5986.3	6899.1	7826.8	8826.1	9971.2	11007.0	11992.8	12997.5	14083.2	14897.5
52.5°	5009.9	5885.0	6849.2	7774.2	8801.8	10007.7	11082.6	12168.3	13286.4	14408.6	15380.9
55°	4908.7	5749.9	6715.5	7651.3	8712.7	9987.5	11074.5	12229.1	13366.1	14534.2	15644.2
57.5°	4915.4	5687.8	6602.0	7504.1	8530.4	9799.7	10921.9	12168.3	13240.5	14453.2	15653.7
60°	5128.8	5821.5	6661.5	7533.8	8476.4	9680.9	10662.6	11776.7	12871.9	14173.6	15434.9
62.5°	5569.0	6203.7	6966.6	7830.9	8780.2	9918.6	10545.2	11125.8	12098.1	13659.1	15062.2
65°	6094.3	6666.9	7328.5	8150.9	9215.0	10304.8	10479.0	10596.5	11088.0	12658.5	14362.7
67.5°	6619.6	7131.4	7651.3	8333.2	9462.2	10415.5	10208.9	9929.4	10194.1	11495.8	12988.0
70°	6808.6	7487.9	7829.5	8298.1	9274.4	10157.6	9772.7	9069.2	9161.0	10344.0	11435.1
72.5°	6525.1	7493.3	7606.7	7780.9	8438.6	9269.0	8862.6	7957.8	7938.9	8842.3	9724.1
75°	5473.1	6835.7	6834.3	6769.5	6918.0	7390.7	7180.0	6634.4	6865.4	7577.0	7867.3
77.5°	3901.3	5334.0	5401.5	4965.4	4954.6	5167.9	5294.9	5929.5	6766.8	7166.5	7074.7
80°	2450.9	3598.8	3889.1	3350.3	3235.5	3538.0	4322.6	5246.2	6276.6	6635.8	6326.6
82.5°	1476.0	2318.6	2937.1	2631.9	2604.9	3155.9	4022.8	4382.0	4691.2	5073.4	4556.2
85°	1002.0	1544.8	2009.4	2070.1	2306.5	2876.3	3253.1	3093.7	3101.8	3001.9	2734.5
87.5°	191.8	421.3	688.7	839.9	931.8	1251.8	1361.2	1232.9	1301.8	952.0	1041.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2372.6	2372.6	2372.6	2365.9	2367.2	2357.8	2353.7	2353.7	2349.7	2349.7	2348.3
5°	2446.9	2438.8	2442.8	2441.5	2441.5	2428.0	2421.2	2421.2	2403.7	2405.0	2399.6
7.5°	2557.6	2556.3	2560.3	2552.2	2541.4	2530.6	2519.8	2514.4	2490.1	2475.3	2465.8
10°	2683.2	2681.9	2685.9	2684.6	2665.7	2645.4	2615.7	2594.1	2564.4	2541.4	2518.5
12.5°	2821.0	2819.6	2816.9	2804.8	2784.5	2752.1	2714.3	2677.8	2633.3	2603.5	2569.8
15°	3035.7	3031.6	3015.4	2997.9	2976.2	2926.3	2860.1	2807.5	2748.0	2696.7	2641.4
17.5°	3353.0	3319.2	3316.5	3277.4	3219.3	3153.2	3091.0	3003.3	2918.2	2841.2	2765.6
20°	3790.5	3712.2	3690.6	3646.0	3569.1	3500.2	3365.2	3247.7	3131.5	3026.2	2930.3
22.5°	4267.2	4210.5	4157.8	4084.9	3979.6	3879.7	3708.2	3561.0	3412.4	3277.4	3170.7
25°	4933.0	4834.4	4739.9	4623.7	4477.9	4359.0	4163.2	4014.7	3820.2	3697.4	3543.4
27.5°	5793.2	5624.4	5465.0	5365.1	5108.5	4935.7	4685.8	4494.1	4259.1	4093.0	3910.7
30°	6912.6	6716.8	6480.5	6134.8	5829.6	5486.6	5177.4	4931.6	4681.8	4449.5	4238.9
32.5°	8300.8	7955.1	7581.1	7032.8	6531.8	6043.0	5631.1	5328.6	5073.4	4784.4	4487.3
35°	9474.3	9117.8	8587.1	7890.3	7271.8	6712.8	6219.9	5806.7	5473.1	5107.2	4714.2
37.5°	10400.7	9994.2	9495.9	8755.9	8102.3	7466.3	6949.1	6422.4	5984.9	5481.2	4984.3
40°	11462.1	11054.3	10506.0	9739.0	8965.2	8275.2	7668.8	7124.6	6587.2	5972.8	5334.0
42.5°	12387.1	12092.7	11537.7	10745.0	9887.5	9119.2	8456.1	7833.6	7131.4	6444.0	5687.8
45°	13351.3	13051.5	12524.8	11695.7	10784.2	9928.0	9135.4	8465.6	7636.4	6818.1	5952.5
47.5°	14203.4	13895.5	13363.4	12539.7	11571.5	10669.4	9797.0	8986.8	8024.0	7084.1	6125.3
50°	15016.3	14639.5	14152.0	13331.0	12296.6	11332.4	10385.8	9346.0	8325.1	7270.5	6242.8
52.5°	15763.0	15283.7	14821.8	13976.5	12858.4	11851.0	10795.0	9651.2	8510.1	7417.7	6322.5
55°	16187.1	15877.8	15325.5	14495.0	13258.1	12207.5	11054.3	9865.9	8693.8	7521.6	6356.3
57.5°	16318.1	16242.4	15779.3	14794.8	13493.1	12403.3	11229.8	10036.1	8816.7	7551.4	6309.0
60°	16214.1	16351.8	16097.9	15005.5	13599.7	12461.4	11316.2	10157.6	8838.3	7456.8	6165.9
62.5°	15880.5	16193.8	16161.4	15075.7	13544.4	12388.4	11306.8	10095.5	8635.7	7162.4	5844.5
65°	15332.3	15726.6	15865.7	14815.1	13232.4	12122.4	11066.4	9705.2	8072.6	6587.2	5305.7
67.5°	14300.6	14897.5	15032.5	13961.6	12416.8	11386.5	10373.7	8895.0	7030.1	5697.3	4464.4
70°	12233.1	13277.0	13459.3	12335.8	10978.6	10073.9	9215.0	7610.8	5853.9	4569.7	3425.9
72.5°	9766.0	10422.3	10795.0	10021.2	9011.1	8354.8	7703.9	5839.1	4417.1	3371.9	2357.8
75°	7635.1	7595.9	7929.5	7415.0	6820.8	6514.3	6025.4	4074.1	2958.7	2233.5	1492.2
77.5°	6527.8	6025.4	5646.0	5284.1	4931.6	4834.4	4365.8	2527.9	1828.4	1338.2	892.6
80°	5425.8	4508.9	3816.2	3307.1	3181.5	3373.3	2857.4	1490.8	1083.0	768.4	560.4
82.5°	3877.0	3243.6	2640.0	2317.3	2102.6	2407.7	1685.3	827.8	587.4	460.5	371.4
85°	2513.1	2402.3	2376.7	2271.3	2010.7	1898.6	1280.2	713.0	440.2	286.3	230.9
87.5°	966.9	1239.7	1430.1	1532.7	1656.9	1476.0	667.1	245.8	241.7	148.5	112.1
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°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2338.9	2333.5	2332.1	2328.1	2325.4	2325.4	2318.6	2195.7	2194.4	2194.4	2193.0
5°	2388.8	2382.1	2375.3	2374.0	2368.6	2368.6	2361.8	2238.9	2238.9	2238.9	2236.2
7.5°	2456.4	2442.8	2434.7	2430.7	2422.6	2426.6	2432.0	2307.8	2309.2	2307.8	2310.5
10°	2505.0	2496.9	2487.4	2484.7	2479.3	2483.4	2491.5	2368.6	2372.6	2374.0	2376.7
12.5°	2552.2	2538.7	2526.6	2522.5	2519.8	2530.6	2540.1	2421.2	2425.3	2429.3	2429.3
15°	2610.3	2587.3	2571.1	2561.7	2556.3	2567.1	2580.6	2463.1	2464.5	2468.5	2467.2
17.5°	2708.9	2675.1	2637.3	2630.6	2613.0	2617.0	2619.7	2488.8	2483.4	2473.9	2457.7
20°	2861.5	2810.2	2758.8	2737.2	2702.1	2687.3	2657.6	2490.1	2456.4	2428.0	2403.7
22.5°	3080.2	3004.6	2949.2	2912.8	2841.2	2791.2	2710.2	2483.4	2419.9	2371.3	2333.5
25°	3434.0	3343.6	3258.5	3166.7	3054.6	2954.6	2835.8	2542.8	2444.2	2360.5	2287.6
27.5°	3778.4	3635.2	3504.3	3366.5	3208.5	3058.6	2891.2	2561.7	2449.6	2341.6	2222.7
30°	4036.3	3828.3	3629.8	3428.6	3222.0	3027.6	2838.5	2496.9	2363.2	2241.6	2116.1
32.5°	4192.9	3922.9	3664.9	3415.1	3172.1	2953.3	2741.3	2384.8	2237.6	2094.4	1960.8
35°	4341.5	4006.6	3686.6	3392.2	3114.0	2870.9	2642.7	2253.8	2078.2	1925.6	1756.9
37.5°	4525.1	4094.4	3700.1	3350.3	3028.9	2750.7	2499.6	2089.0	1913.5	1725.8	1566.4
40°	4745.3	4184.8	3686.6	3266.6	2896.6	2592.7	2326.7	1916.2	1720.4	1538.1	1381.4
42.5°	4954.6	4264.5	3651.4	3154.5	2752.1	2428.0	2168.7	1762.3	1566.4	1380.1	1224.8
45°	5109.9	4332.0	3633.9	3076.2	2641.4	2315.9	2029.6	1638.0	1431.4	1243.7	1085.7
47.5°	5217.9	4372.5	3625.8	3033.0	2564.4	2199.8	1902.7	1513.8	1296.4	1107.3	953.4
50°	5274.6	4371.2	3605.5	2985.7	2450.9	2060.7	1771.7	1388.2	1172.1	987.1	846.7
52.5°	5289.5	4346.9	3562.3	2899.3	2313.2	1921.6	1631.3	1257.2	1062.8	885.9	744.1
55°	5255.7	4287.5	3471.8	2754.8	2166.0	1774.4	1503.0	1154.6	956.1	788.6	677.9
57.5°	5159.8	4182.1	3301.7	2556.3	2010.7	1638.0	1355.8	1030.3	839.9	699.5	607.7
60°	4981.6	3959.3	3035.7	2321.3	1813.6	1430.1	1153.2	868.3	717.1	611.7	537.5
62.5°	4652.1	3609.6	2661.6	1997.2	1530.0	1160.0	921.0	692.7	579.3	510.4	464.5
65°	4121.4	3082.9	2228.1	1573.2	1162.7	844.0	684.6	521.2	438.9	397.0	383.5
67.5°	3363.8	2380.7	1620.5	1092.5	787.3	591.5	476.7	380.8	341.6	325.4	320.0
70°	2445.5	1621.8	1049.2	690.0	519.9	413.2	360.6	306.5	284.9	280.9	280.9
72.5°	1535.4	985.8	642.8	472.6	394.3	334.9	307.9	270.1	262.0	259.3	255.2
75°	900.7	598.2	455.1	387.6	337.6	299.8	276.8	245.8	240.4	239.0	235.0
77.5°	573.9	430.8	367.3	330.8	305.2	271.4	251.2	218.8	217.4	216.1	214.7
80°	411.9	357.9	321.4	293.0	267.4	236.3	224.2	198.5	195.8	194.5	197.2
82.5°	311.9	295.7	280.9	259.3	224.2	201.2	191.8	174.2	175.6	168.8	167.4
85°	214.7	212.0	210.7	201.2	175.6	155.3	148.5	139.1	145.8	139.1	131.0
87.5°	105.3	104.0	95.9	113.4	105.3	83.7	75.6	83.7	93.2	90.5	83.7
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: P158918

CATALOG NUMBER: VST-E08-LED-E-U-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2187.6	2182.2	2186.3	2183.6	2183.6	2182.2	2184.9	2180.9	2178.2	2180.9	2182.2
5°	2230.8	2224.1	2225.4	2216.0	2220.0	2210.6	2213.3	2206.5	2199.8	2197.1	2197.1
7.5°	2303.8	2297.0	2288.9	2287.6	2272.7	2267.3	2257.8	2252.4	2248.4	2238.9	2233.5
10°	2369.9	2359.1	2349.7	2348.3	2333.5	2320.0	2307.8	2297.0	2290.3	2276.7	2270.0
12.5°	2423.9	2413.1	2398.3	2390.2	2375.3	2359.1	2351.0	2334.8	2325.4	2310.5	2298.4
15°	2455.0	2436.1	2414.5	2399.6	2378.0	2360.5	2348.3	2336.2	2326.7	2307.8	2290.3
17.5°	2440.1	2409.1	2379.4	2352.4	2322.7	2306.5	2288.9	2274.0	2271.3	2249.7	2222.7
20°	2378.0	2341.6	2302.4	2265.9	2226.8	2203.8	2182.2	2159.3	2152.5	2126.9	2091.7
22.5°	2302.4	2260.5	2216.0	2171.4	2121.5	2089.0	2056.6	2028.3	2005.3	1967.5	1917.5
25°	2225.4	2163.3	2098.5	2041.8	1983.7	1943.2	1909.4	1878.4	1851.4	1790.6	1739.3
27.5°	2124.2	2026.9	1960.8	1895.9	1825.7	1773.1	1735.2	1692.0	1662.3	1592.1	1538.1
30°	1994.5	1897.3	1802.8	1737.9	1667.7	1611.0	1562.4	1500.3	1457.1	1405.8	1355.8
32.5°	1831.1	1733.9	1638.0	1565.1	1507.0	1436.8	1376.0	1316.6	1266.7	1216.7	1177.5
35°	1632.6	1538.1	1447.6	1374.7	1309.9	1254.5	1196.4	1145.1	1088.4	1034.4	1011.4
37.5°	1423.3	1322.0	1222.1	1158.6	1107.3	1068.2	1014.1	972.3	921.0	888.6	861.5
40°	1241.0	1133.0	1038.4	984.4	943.9	899.4	854.8	822.4	785.9	753.5	733.3
42.5°	1087.1	985.8	904.8	858.8	810.2	761.6	727.9	700.9	677.9	653.6	629.3
45°	945.3	848.0	780.5	723.8	683.3	644.1	621.2	609.0	595.5	580.7	564.5
47.5°	826.4	742.7	676.5	623.9	582.0	555.0	544.2	540.2	534.8	522.6	514.5
50°	736.0	667.1	599.6	552.3	517.2	503.7	491.5	487.5	480.7	476.7	471.3
52.5°	660.3	587.4	530.7	487.5	465.9	460.5	455.1	449.7	448.3	445.6	442.9
55°	598.2	534.8	482.1	449.7	438.9	434.8	433.5	428.1	426.7	426.7	422.7
57.5°	542.9	488.8	441.6	421.3	414.6	410.5	407.8	405.1	405.1	407.8	406.5
60°	486.1	440.2	411.9	401.1	397.0	390.3	383.5	380.8	382.2	388.9	388.9
62.5°	430.8	397.0	379.5	375.4	371.4	366.0	357.9	355.2	357.9	366.0	370.0
65°	370.0	355.2	349.7	347.0	344.3	340.3	334.9	332.2	333.5	337.6	343.0
67.5°	314.6	313.3	313.3	314.6	313.3	311.9	309.2	305.2	303.8	303.8	306.5
70°	280.9	280.9	284.9	284.9	283.6	283.6	279.5	275.5	272.8	270.1	271.4
72.5°	255.2	255.2	256.6	257.9	256.6	256.6	251.2	248.5	241.7	240.4	237.7
75°	233.6	230.9	230.9	229.6	228.2	229.6	224.2	217.4	214.7	213.4	210.7
77.5°	212.0	206.6	203.9	201.2	202.6	201.2	197.2	193.1	189.1	187.7	186.4
80°	187.7	179.6	175.6	168.8	172.8	174.2	171.5	167.4	166.1	164.7	163.4
82.5°	155.3	147.2	141.8	137.7	135.0	137.7	141.8	151.2	148.5	147.2	144.5
85°	121.5	108.0	101.3	102.6	95.9	97.2	109.4	114.8	114.8	117.5	114.8
87.5°	68.9	66.2	50.0	45.9	48.6	58.1	64.8	71.6	71.6	67.5	75.6
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: P158918

CATALOG NUMBER: VST-E08-LED-E-U-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2182.2	2184.9	2186.3	2191.7	2194.4	2195.7	2197.1	2199.8	2201.1	2199.8	2206.5
5°	2193.0	2193.0	2190.3	2194.4	2195.7	2195.7	2193.0	2195.7	2195.7	2195.7	2202.5
7.5°	2221.4	2213.3	2209.2	2203.8	2199.8	2194.4	2187.6	2187.6	2186.3	2187.6	2191.7
10°	2251.1	2238.9	2224.1	2210.6	2198.4	2189.0	2176.8	2172.8	2171.4	2170.1	2180.9
12.5°	2274.0	2252.4	2229.5	2206.5	2182.2	2166.0	2145.8	2133.6	2132.3	2132.3	2145.8
15°	2257.8	2222.7	2178.2	2137.7	2116.1	2093.1	2070.1	2055.3	2053.9	2056.6	2064.7
17.5°	2176.8	2120.1	2080.9	2041.8	2013.4	1994.5	1979.7	1977.0	1982.4	1977.0	1987.8
20°	2039.1	1978.3	1951.3	1920.2	1909.4	1895.9	1874.3	1855.4	1855.4	1831.1	1837.9
22.5°	1860.8	1827.1	1792.0	1767.7	1759.6	1736.6	1713.6	1688.0	1685.3	1655.6	1651.5
25°	1674.5	1640.7	1612.4	1607.0	1582.7	1551.6	1530.0	1500.3	1493.5	1463.8	1459.8
27.5°	1484.1	1457.1	1428.7	1412.5	1399.0	1365.2	1346.3	1311.2	1297.7	1265.3	1261.3
30°	1303.1	1284.2	1250.5	1237.0	1211.3	1172.1	1131.6	1110.0	1099.2	1065.5	1054.7
32.5°	1133.0	1103.3	1077.6	1061.4	1029.0	984.4	948.0	916.9	896.7	856.1	845.3
35°	970.9	941.2	929.1	887.2	858.8	829.1	779.2	760.3	723.8	692.7	681.9
37.5°	827.8	799.4	783.2	748.1	719.8	690.0	660.3	636.0	618.5	611.7	611.7
40°	704.9	690.0	669.8	644.1	625.2	603.6	587.4	579.3	578.0	580.7	587.4
42.5°	617.1	600.9	587.4	573.9	560.4	557.7	553.7	559.1	565.8	572.6	579.3
45°	551.0	537.5	529.4	523.9	522.6	526.7	534.8	542.9	555.0	563.1	568.5
47.5°	503.7	492.9	490.2	488.8	495.6	507.7	518.5	530.7	540.2	548.3	553.7
50°	463.2	453.7	452.4	451.0	460.5	471.3	480.7	496.9	503.7	509.1	513.1
52.5°	434.8	426.7	422.7	424.0	433.5	442.9	456.4	468.6	478.0	482.1	486.1
55°	411.9	409.2	399.7	403.8	413.2	425.4	438.9	452.4	461.8	468.6	475.3
57.5°	394.3	387.6	380.8	387.6	397.0	409.2	425.4	437.5	449.7	459.1	465.9
60°	375.4	370.0	364.6	371.4	380.8	393.0	405.1	421.3	436.2	445.6	452.4
62.5°	359.2	355.2	349.7	351.1	355.2	363.3	370.0	384.9	398.4	410.5	418.6
65°	336.2	334.9	326.8	328.1	330.8	338.9	344.3	357.9	371.4	382.2	388.9
67.5°	302.5	299.8	299.8	303.8	305.2	309.2	313.3	326.8	337.6	345.7	353.8
70°	268.7	267.4	267.4	270.1	268.7	272.8	278.2	290.3	303.8	311.9	320.0
72.5°	236.3	236.3	235.0	237.7	237.7	239.0	245.8	256.6	268.7	275.5	280.9
75°	208.0	206.6	206.6	206.6	208.0	208.0	214.7	224.2	236.3	240.4	248.5
77.5°	182.3	182.3	182.3	182.3	183.7	182.3	186.4	193.1	197.2	203.9	203.9
80°	160.7	159.3	160.7	162.0	162.0	160.7	160.7	162.0	163.4	163.4	163.4
82.5°	141.8	137.7	140.4	147.2	147.2	147.2	145.8	136.4	129.6	129.6	132.3
85°	113.4	113.4	114.8	124.2	125.6	120.2	125.6	112.1	98.6	94.5	97.2
87.5°	70.2	55.4	67.5	77.0	77.0	72.9	81.0	75.6	63.5	51.3	48.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	0°
2.5°	2211.9	2213.3	2221.4	2225.4	2225.4	2230.8	2233.5	2241.6	2240.3	2240.3	2243.0	2.5°
5°	2209.2	2213.3	2221.4	2226.8	2229.5	2236.2	2241.6	2251.1	2249.7	2252.4	2253.8	5°
7.5°	2199.8	2210.6	2218.7	2229.5	2238.9	2244.3	2251.1	2259.2	2256.5	2257.8	2256.5	7.5°
10°	2191.7	2202.5	2218.7	2233.5	2247.0	2255.1	2259.2	2268.6	2267.3	2270.0	2270.0	10°
12.5°	2159.3	2178.2	2198.4	2221.4	2241.6	2263.2	2276.7	2297.0	2306.5	2318.6	2332.1	12.5°
15°	2076.9	2098.5	2130.9	2156.6	2195.7	2225.4	2264.6	2303.8	2338.9	2372.6	2411.8	15°
17.5°	1995.9	2005.3	2031.0	2066.1	2101.2	2145.8	2193.0	2263.2	2326.7	2395.6	2471.2	17.5°
20°	1846.0	1862.2	1879.7	1921.6	1963.5	2026.9	2085.0	2176.8	2270.0	2378.0	2494.2	20°
22.5°	1661.0	1677.2	1696.1	1743.3	1794.7	1859.5	1929.7	2032.3	2156.6	2297.0	2452.3	22.5°
25°	1461.1	1470.6	1485.4	1532.7	1563.7	1648.8	1733.9	1840.6	1975.6	2156.6	2337.5	25°
27.5°	1241.0	1258.6	1270.7	1292.3	1363.9	1436.8	1525.9	1640.7	1804.1	1989.1	2207.9	27.5°
30°	1030.3	1045.2	1038.4	1084.4	1131.6	1208.6	1304.5	1431.4	1588.1	1808.2	2060.7	30°
32.5°	823.7	834.5	830.5	862.9	910.2	987.1	1077.6	1215.3	1381.4	1616.4	1890.5	32.5°
35°	679.2	681.9	696.8	711.7	752.2	814.3	891.3	1011.4	1181.6	1397.6	1688.0	35°
37.5°	611.7	617.1	626.6	646.8	676.5	721.1	784.6	877.8	1023.6	1214.0	1473.3	37.5°
40°	591.5	595.5	600.9	614.4	642.8	681.9	738.7	817.0	923.7	1084.4	1295.0	40°
42.5°	582.0	582.0	582.0	590.1	611.7	653.6	718.4	795.4	888.6	1010.1	1180.2	42.5°
45°	568.5	568.5	567.2	571.2	586.1	627.9	698.1	784.6	884.5	1000.6	1147.8	45°
47.5°	553.7	552.3	548.3	548.3	557.7	599.6	672.5	765.7	875.0	1008.7	1166.7	47.5°
50°	513.1	513.1	513.1	517.2	525.3	563.1	641.4	740.0	865.6	1014.1	1196.4	50°
52.5°	490.2	491.5	495.6	495.6	503.7	542.9	625.2	734.6	871.0	1034.4	1234.3	52.5°
55°	479.4	483.4	487.5	487.5	494.2	534.8	619.8	738.7	891.3	1076.3	1299.1	55°
57.5°	469.9	474.0	476.7	476.7	482.1	517.2	605.0	731.9	903.4	1116.8	1378.7	57.5°
60°	452.4	455.1	456.4	456.4	457.8	487.5	571.2	699.5	876.4	1114.1	1422.0	60°
62.5°	420.0	425.4	426.7	428.1	428.1	456.4	528.0	646.8	818.3	1073.6	1409.8	62.5°
65°	395.7	398.4	402.4	405.1	410.5	429.4	486.1	583.4	742.7	992.5	1342.3	65°
67.5°	357.9	361.9	366.0	371.4	376.8	388.9	433.5	511.8	640.1	854.8	1191.0	67.5°
70°	324.1	325.4	329.5	336.2	337.6	344.3	376.8	430.8	523.9	686.0	958.8	70°
72.5°	282.2	284.9	290.3	298.4	298.4	303.8	322.7	351.1	410.5	523.9	707.6	72.5°
75°	245.8	248.5	252.5	252.5	245.8	247.1	260.6	280.9	325.4	394.3	515.8	75°
77.5°	203.9	209.3	213.4	205.3	202.6	206.6	213.4	228.2	260.6	313.3	387.6	77.5°
80°	168.8	171.5	172.8	174.2	171.5	175.6	181.0	190.4	212.0	252.5	306.5	80°
82.5°	135.0	137.7	141.8	147.2	147.2	162.0	163.4	163.4	175.6	201.2	240.4	82.5°
85°	99.9	105.3	110.7	117.5	118.8	126.9	122.9	121.5	125.6	149.9	166.1	85°
87.5°	51.3	55.4	58.1	63.5	56.7	59.4	59.4	55.4	48.6	60.8	67.5	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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NUMBER: VST-E08-LED-E-U-SLL-8030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2245.7	2243.0	2245.7	2245.7	2249.7	2247.0	2390.2
2256.5	2253.8	2256.5	2259.2	2263.2	2263.2	2421.2
2257.8	2257.8	2255.1	2261.9	2267.3	2272.7	2450.9
2274.0	2274.0	2276.7	2278.1	2290.3	2303.8	2499.6
2340.2	2347.0	2359.1	2363.2	2384.8	2399.6	2623.8
2441.5	2479.3	2503.6	2511.7	2530.6	2559.0	2833.1
2544.1	2607.6	2673.8	2714.3	2738.6	2772.3	3089.7
2621.1	2739.9	2853.4	2954.6	3012.7	3078.9	3448.9
2627.9	2816.9	3008.7	3196.4	3351.7	3474.5	3935.0
2563.0	2811.5	3076.2	3363.8	3631.2	3852.6	4494.1
2480.7	2785.8	3123.4	3490.7	3841.8	4168.6	4906.0
2376.7	2742.6	3131.5	3544.8	3956.6	4349.6	5140.9
2218.7	2614.3	3034.3	3490.7	3968.8	4446.8	5292.2
2016.1	2419.9	2850.7	3370.6	3912.1	4486.0	5419.1
1809.5	2207.9	2671.1	3209.9	3821.6	4479.2	5470.4
1590.8	1986.4	2460.4	3038.4	3698.7	4417.1	5461.0
1442.2	1802.8	2267.3	2864.2	3562.3	4334.7	5397.5
1355.8	1671.8	2114.7	2704.8	3438.1	4236.2	5317.8
1354.4	1632.6	2033.7	2591.4	3312.5	4126.8	5209.8
1401.7	1656.9	2024.2	2542.8	3243.6	4047.1	5092.3
1457.1	1724.4	2074.2	2560.3	3242.3	4012.0	5009.9
1544.8	1839.2	2183.6	2636.0	3277.4	4006.6	4908.7
1656.9	1994.5	2380.7	2822.3	3413.8	4113.3	4915.4
1771.7	2176.8	2638.7	3141.0	3682.5	4361.7	5128.8
1813.6	2317.3	2900.6	3515.1	4084.9	4734.5	5569.0
1777.1	2349.7	3060.0	3805.4	4476.5	5170.6	6094.3
1642.1	2218.7	2995.2	3887.8	4702.0	5479.9	6619.6
1351.7	1893.2	2700.8	3702.8	4684.5	5543.3	6808.6
991.2	1467.9	2195.7	3146.4	4164.6	5146.3	6525.1
715.7	1038.4	1585.4	2369.9	3292.2	4144.3	5473.1
513.1	719.8	1029.0	1557.0	2243.0	2885.8	3901.3
368.7	488.8	641.4	934.5	1366.6	1771.7	2450.9
271.4	334.9	421.3	580.7	804.8	1031.7	1476.0
185.0	197.2	253.9	343.0	528.0	758.9	1002.0
70.2	79.7	93.2	140.4	236.3	271.4	191.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)