

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: P158909

Luminaire Tested: **VST-E07-LED-E-U-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158909
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-E07-LED-E-U-SLL-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (147) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17181 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

Input Watts (W): 172.5
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

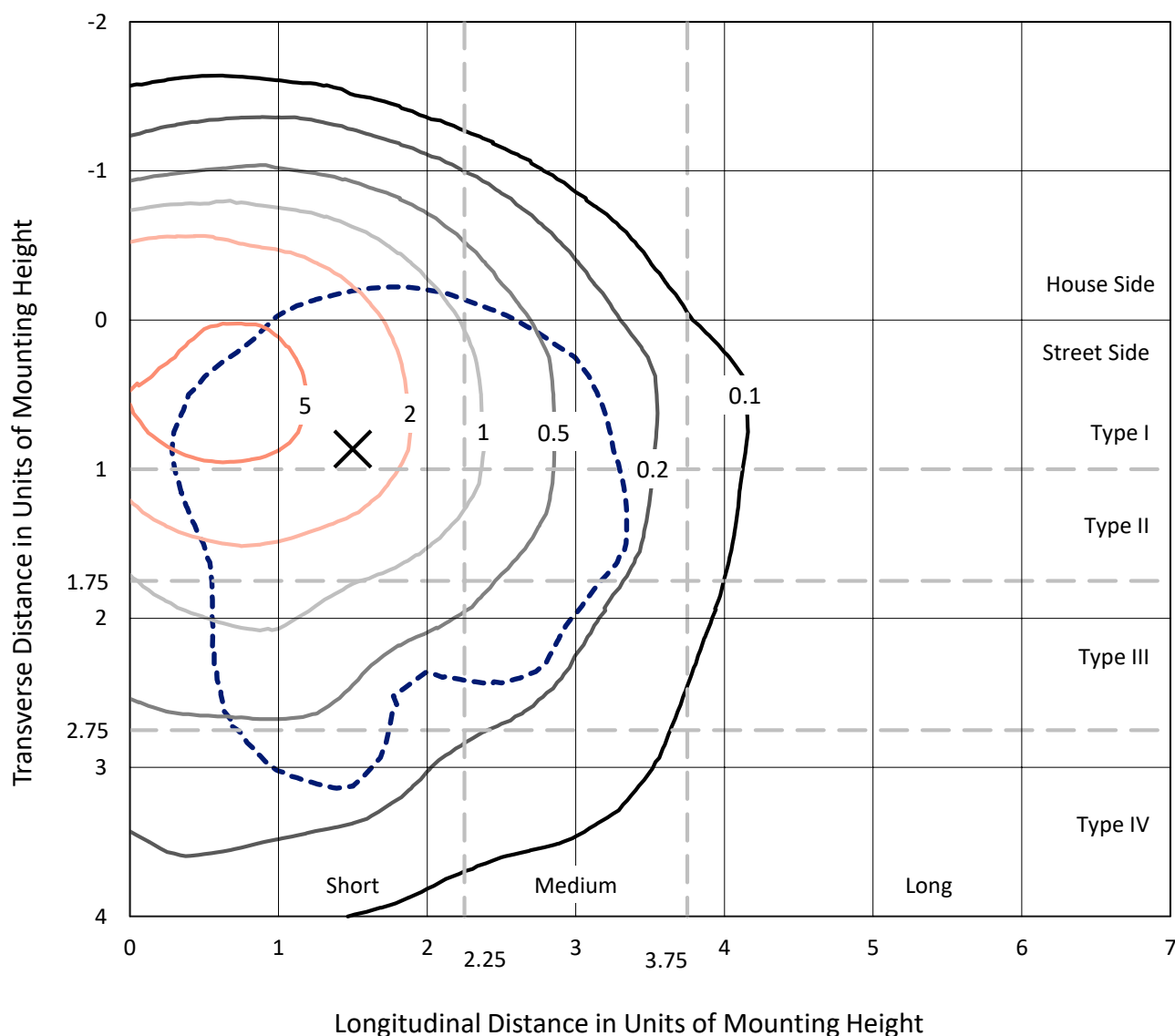


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

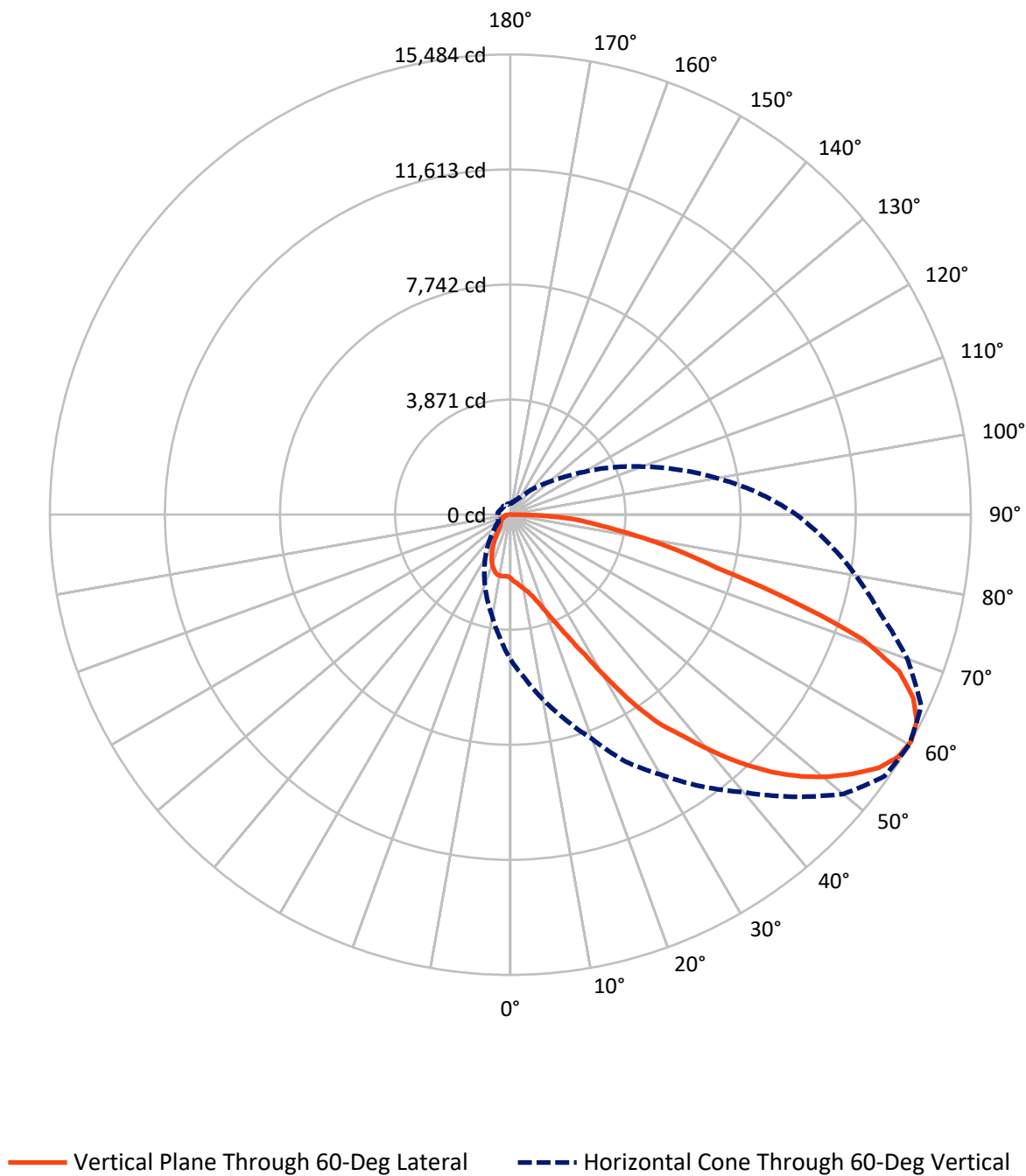


Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3868.6	0.0	3868.6
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	13312.4	0.0	13312.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	17181.0	0.0	17181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.8	1.2
10°-20°	680.6	4.0
20°-30°	1291.6	7.5
30°-40°	2034.0	11.8
40°-50°	2838.9	16.5
50°-60°	3511.1	20.4
60°-70°	3639.4	21.2
70°-80°	2290.1	13.3
80°-90°	684.6	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°	17181.0	100.0
0°-180°	17181.0	100.0

Coefficient of Utilization



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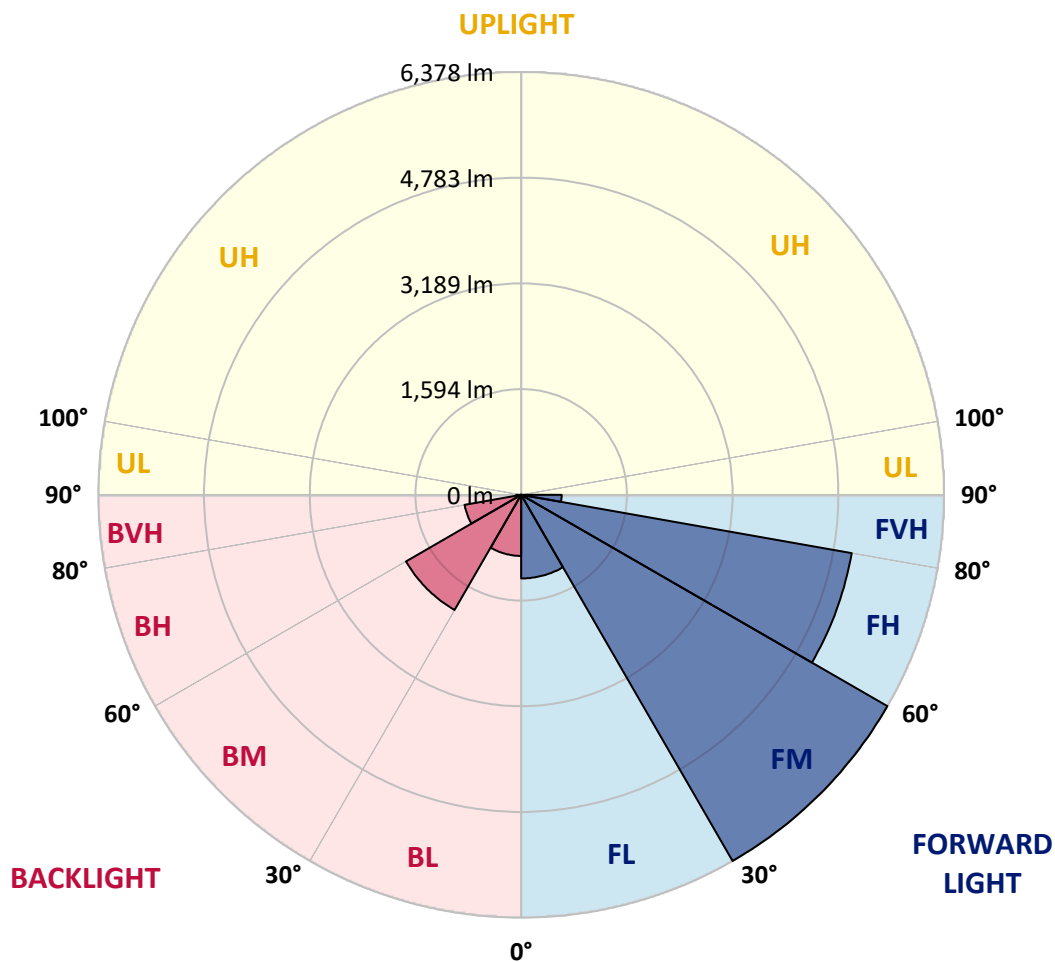
CATALOG NUMBER: VST-E07-LED-E-U-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1261.3	7.3			
FM	(30°-60°)	6377.9	37.1			
FH	(60°-80°)	5063.1	29.5			G3/7500
FVH	(80°-90°)	610.1	3.6			G4/750
BL	(0°-30°)	921.6	5.4	B2/1000		
BM	(30°-60°)	2006.1	11.7	B2/2500		
BH	(60°-80°)	866.4	5.0	B2/1000		G2/1000
BVH	(80°-90°)	74.5	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°	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7
2.5°	2263.3	2260.7	2260.7	2260.7	2259.4	2256.9	2260.7	2259.4	2253.1	2249.2	2253.1
5°	2292.7	2294.0	2297.8	2299.1	2299.1	2302.9	2313.2	2314.4	2313.2	2315.7	2322.1
7.5°	2320.8	2327.2	2331.1	2337.4	2345.1	2351.5	2369.4	2387.3	2398.8	2407.8	2410.3
10°	2366.9	2377.1	2388.6	2405.2	2423.1	2455.1	2470.4	2488.3	2499.8	2517.7	2521.6
12.5°	2484.5	2497.3	2505.0	2530.5	2553.5	2584.2	2606.0	2611.1	2637.9	2653.3	2671.2
15°	2682.7	2701.9	2728.7	2744.1	2769.6	2796.5	2815.7	2841.3	2845.1	2865.5	2879.6
17.5°	2925.6	2952.5	3007.5	3044.6	3077.8	3104.7	3143.0	3172.4	3178.8	3201.8	3172.4
20°	3265.8	3331.0	3339.9	3414.1	3443.5	3497.2	3573.9	3588.0	3625.1	3588.0	3566.3
22.5°	3726.1	3828.4	3856.5	3928.1	3963.9	4045.8	4068.8	4144.2	4169.8	4141.7	4082.9
25°	4255.5	4414.0	4495.9	4605.8	4623.7	4791.3	4809.2	4897.4	4850.1	4782.3	4783.6
27.5°	4645.5	4915.3	5126.3	5314.2	5445.9	5635.2	5782.2	5823.2	5778.4	5690.2	5659.5
30°	4868.0	5173.6	5476.6	5736.2	6043.1	6332.1	6632.6	6782.2	6807.7	6853.8	6668.4
32.5°	5011.2	5403.7	5764.3	6085.3	6399.8	6771.9	7174.7	7559.6	7883.1	8127.4	8012.3
35°	5131.4	5616.0	6077.6	6466.3	6838.4	7243.8	7650.4	8104.3	8640.1	8953.4	9018.6
37.5°	5180.0	5772.0	6337.2	6835.9	7358.9	7815.4	8219.4	8623.5	9186.1	9744.9	9917.5
40°	5171.0	5848.7	6491.9	7118.5	7759.1	8329.4	8802.5	9280.7	9939.3	10592.7	10874.0
42.5°	5110.9	5860.2	6590.4	7306.4	8036.6	8794.8	9399.7	9950.8	10582.4	11420.0	11817.7
45°	5035.5	5820.6	6610.8	7402.3	8242.4	9119.6	9884.3	10565.8	11306.2	12133.5	12614.3
47.5°	4933.2	5757.9	6585.3	7435.6	8334.5	9328.0	10227.0	11046.6	11861.1	12813.8	13423.7
50°	4821.9	5668.4	6532.8	7411.3	8357.5	9441.9	10422.6	11356.1	12307.4	13335.5	14106.5
52.5°	4743.9	5572.5	6485.5	7361.4	8334.5	9476.4	10494.2	11522.3	12581.0	13643.6	14564.3
55°	4648.0	5444.7	6358.9	7245.1	8250.1	9457.2	10486.5	11579.8	12656.5	13762.5	14813.6
57.5°	4654.4	5385.8	6251.5	7105.7	8077.5	9279.5	10342.0	11522.3	12537.6	13685.8	14822.6
60°	4856.5	5512.4	6307.8	7133.8	8026.3	9166.9	10096.5	11151.5	12188.5	13421.1	14615.4
62.5°	5273.3	5874.3	6596.8	7415.1	8314.0	9392.0	9985.3	10535.1	11455.8	12934.0	14262.5
65°	5770.7	6312.9	6939.5	7718.2	8725.8	9757.7	9922.6	10033.9	10499.3	11986.4	13600.2
67.5°	6268.1	6752.8	7245.1	7890.8	8959.8	9862.5	9666.9	9402.2	9652.8	10885.5	12298.4
70°	6447.2	7090.3	7413.8	7857.6	8782.0	9618.3	9253.9	8587.7	8674.6	9794.8	10828.0
72.5°	6178.6	7095.5	7202.9	7367.8	7990.5	8776.9	8392.0	7535.3	7517.4	8372.9	9207.9
75°	5182.5	6472.7	6471.5	6410.1	6550.7	6998.3	6798.8	6282.2	6500.9	7174.7	7449.7
77.5°	3694.1	5050.8	5114.8	4701.7	4691.5	4893.5	5013.7	5614.7	6407.5	6786.0	6699.1
80°	2320.8	3407.7	3682.6	3172.4	3063.7	3350.2	4093.1	4967.7	5943.4	6283.5	5990.7
82.5°	1397.6	2195.5	2781.2	2492.2	2466.6	2988.3	3809.2	4149.4	4442.2	4804.0	4314.3
85°	948.8	1462.8	1902.7	1960.2	2184.0	2723.6	3080.4	2929.5	2937.2	2842.5	2589.3
87.5°	181.6	399.0	652.1	795.3	882.3	1185.3	1288.9	1167.4	1232.7	901.5	985.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7
2.5°	2246.7	2246.7	2246.7	2240.3	2241.5	2232.6	2228.8	2228.8	2224.9	2224.9	2223.6
5°	2317.0	2309.3	2313.2	2311.9	2311.9	2299.1	2292.7	2292.7	2276.1	2277.3	2272.2
7.5°	2421.8	2420.6	2424.4	2416.7	2406.5	2396.3	2386.0	2380.9	2357.9	2343.8	2334.9
10°	2540.8	2539.5	2543.3	2542.0	2524.1	2505.0	2476.8	2456.4	2428.2	2406.5	2384.8
12.5°	2671.2	2669.9	2667.3	2655.8	2636.7	2606.0	2570.2	2535.6	2493.4	2465.3	2433.3
15°	2874.5	2870.7	2855.3	2838.7	2818.2	2770.9	2708.3	2658.4	2602.1	2553.5	2501.1
17.5°	3175.0	3143.0	3140.5	3103.4	3048.4	2985.7	2926.9	2843.8	2763.3	2690.4	2618.8
20°	3589.3	3515.1	3494.7	3452.5	3379.6	3314.4	3186.5	3075.3	2965.3	2865.5	2774.8
22.5°	4040.7	3987.0	3937.1	3868.0	3768.3	3673.7	3511.3	3371.9	3231.3	3103.4	3002.4
25°	4671.1	4577.7	4488.2	4378.2	4240.1	4127.6	3942.2	3801.5	3617.4	3501.1	3355.3
27.5°	5485.6	5325.7	5174.9	5080.2	4837.3	4673.6	4437.1	4255.5	4033.0	3875.7	3703.1
30°	6545.6	6360.2	6136.4	5809.1	5520.1	5195.3	4902.5	4669.8	4433.2	4213.3	4013.8
32.5°	7860.1	7532.8	7178.6	6659.4	6185.0	5722.1	5332.1	5045.7	4804.0	4530.4	4249.1
35°	8971.3	8633.7	8131.2	7471.4	6885.7	6356.4	5889.6	5498.4	5182.5	4836.0	4463.9
37.5°	9848.5	9463.6	8991.8	8291.0	7672.1	7069.9	6580.1	6081.5	5667.2	5190.2	4719.6
40°	10853.5	10467.4	9948.2	9221.9	8489.2	7835.8	7261.7	6746.4	6237.5	5655.6	5050.8
42.5°	11729.4	11450.7	10925.1	10174.5	9362.6	8635.0	8007.2	7417.7	6752.8	6101.9	5385.8
45°	12642.4	12358.5	11859.9	11074.7	10211.6	9400.9	8650.3	8016.1	7231.0	6456.1	5636.5
47.5°	13449.3	13157.7	12653.9	11873.9	10957.1	10102.9	9276.9	8509.7	7598.0	6708.0	5800.1
50°	14219.0	13862.3	13400.7	12623.2	11643.8	10730.8	9834.4	8849.8	7883.1	6884.5	5911.4
52.5°	14926.2	14472.2	14034.9	13234.4	12175.7	11221.8	10221.9	9138.8	8058.3	7023.8	5986.8
55°	15327.7	15034.8	14511.9	13725.5	12554.2	11559.4	10467.4	9342.1	8232.2	7122.3	6018.8
57.5°	15451.7	15380.1	14941.5	14009.3	12776.7	11744.8	10633.6	9503.2	8348.6	7150.4	5974.0
60°	15353.2	15483.7	15243.3	14208.8	12877.7	11799.8	10715.4	9618.3	8369.0	7060.9	5838.5
62.5°	15037.4	15334.1	15303.4	14275.3	12825.3	11730.7	10706.5	9559.5	8177.2	6782.2	5534.2
65°	14518.3	14891.6	15023.3	14028.5	12529.9	11478.8	10478.9	9189.9	7644.0	6237.5	5024.0
67.5°	13541.3	14106.5	14234.4	13220.4	11757.6	10781.9	9822.9	8422.7	6656.9	5394.8	4227.4
70°	11583.7	12572.1	12744.7	11680.8	10395.8	9539.0	8725.8	7206.7	5543.1	4327.1	3244.0
72.5°	9247.5	9868.9	10221.9	9489.2	8532.7	7911.3	7294.9	5529.1	4182.6	3192.9	2232.6
75°	7229.7	7192.6	7508.5	7021.3	6458.7	6168.4	5705.5	3857.8	2801.6	2115.0	1413.0
77.5°	6181.2	5705.5	5346.2	5003.5	4669.8	4577.7	4134.0	2393.7	1731.3	1267.2	845.2
80°	5137.8	4269.5	3613.6	3131.5	3012.6	3194.2	2705.7	1411.7	1025.5	727.6	530.7
82.5°	3671.1	3071.4	2499.8	2194.2	1990.9	2279.9	1595.8	783.8	556.2	436.0	351.6
85°	2379.6	2274.8	2250.5	2150.8	1904.0	1797.8	1212.2	675.1	416.9	271.1	218.7
87.5°	915.5	1173.8	1354.1	1451.3	1569.0	1397.6	631.7	232.7	228.9	140.7	106.1
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°	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7
2.5°	2214.7	2209.6	2208.3	2204.5	2201.9	2201.9	2195.5	2079.2	2077.9	2077.9	2076.6
5°	2262.0	2255.6	2249.2	2247.9	2242.8	2242.8	2236.4	2120.1	2120.1	2120.1	2117.5
7.5°	2325.9	2313.2	2305.5	2301.6	2294.0	2297.8	2302.9	2185.3	2186.6	2185.3	2187.8
10°	2372.0	2364.3	2355.3	2352.8	2347.7	2351.5	2359.2	2242.8	2246.7	2247.9	2250.5
12.5°	2416.7	2403.9	2392.4	2388.6	2386.0	2396.3	2405.2	2292.7	2296.5	2300.4	2300.4
15°	2471.7	2450.0	2434.6	2425.7	2420.6	2430.8	2443.6	2332.3	2333.6	2337.4	2336.2
17.5°	2565.1	2533.1	2497.3	2490.9	2474.3	2478.1	2480.7	2356.6	2351.5	2342.6	2327.2
20°	2709.5	2661.0	2612.4	2591.9	2558.7	2544.6	2516.5	2357.9	2325.9	2299.1	2276.1
22.5°	2916.7	2845.1	2792.7	2758.1	2690.4	2643.1	2566.3	2351.5	2291.4	2245.4	2209.6
25°	3251.7	3166.0	3085.5	2998.5	2892.4	2797.8	2685.2	2407.8	2314.4	2235.2	2166.1
27.5°	3577.8	3442.2	3318.2	3187.8	3038.2	2896.2	2737.7	2425.7	2319.5	2217.2	2104.7
30°	3822.0	3625.1	3437.1	3246.6	3051.0	2866.8	2687.8	2364.3	2237.7	2122.6	2003.7
32.5°	3970.3	3714.6	3470.4	3233.8	3003.6	2796.5	2595.7	2258.2	2118.8	1983.2	1856.7
35°	4111.0	3793.9	3490.8	3212.1	2948.7	2718.5	2502.4	2134.1	1967.9	1823.4	1663.6
37.5°	4284.9	3877.0	3503.6	3172.4	2868.1	2604.7	2366.9	1978.1	1811.9	1634.2	1483.3
40°	4493.3	3962.7	3490.8	3093.2	2742.8	2455.1	2203.2	1814.5	1629.1	1456.4	1308.1
42.5°	4691.5	4038.1	3457.6	2987.0	2606.0	2299.1	2053.6	1668.7	1483.3	1306.8	1159.8
45°	4838.6	4102.0	3441.0	2912.9	2501.1	2193.0	1921.9	1551.1	1355.4	1177.7	1028.1
47.5°	4940.9	4140.4	3433.3	2871.9	2428.2	2083.0	1801.7	1433.4	1227.5	1048.5	902.8
50°	4994.6	4139.1	3414.1	2827.2	2320.8	1951.3	1677.6	1314.5	1109.9	934.7	801.7
52.5°	5008.6	4116.1	3373.2	2745.3	2190.4	1819.6	1544.7	1190.5	1006.3	838.8	704.6
55°	4976.7	4059.8	3287.5	2608.5	2051.0	1680.2	1423.2	1093.3	905.3	746.8	641.9
57.5°	4885.9	3960.1	3126.4	2420.6	1904.0	1551.1	1283.8	975.6	795.3	662.4	575.4
60°	4717.1	3749.1	2874.5	2198.1	1717.3	1354.1	1092.0	822.2	679.0	579.2	508.9
62.5°	4405.1	3417.9	2520.3	1891.2	1448.8	1098.4	872.1	656.0	548.6	483.3	439.9
65°	3902.6	2919.3	2109.8	1489.7	1101.0	799.2	648.3	493.6	415.6	375.9	363.1
67.5°	3185.2	2254.3	1534.4	1034.5	745.5	560.1	451.4	360.6	323.5	308.2	303.0
70°	2315.7	1535.7	993.5	653.4	492.3	391.3	341.4	290.3	269.8	266.0	266.0
72.5°	1453.9	933.4	608.7	447.5	373.4	317.1	291.5	255.7	248.1	245.5	241.7
75°	852.9	566.5	430.9	367.0	319.7	283.9	262.1	232.7	227.6	226.3	222.5
77.5°	543.4	407.9	347.8	313.3	289.0	257.0	237.8	207.1	205.9	204.6	203.3
80°	390.0	338.9	304.3	277.5	253.2	223.8	212.3	188.0	185.4	184.1	186.7
82.5°	295.4	280.0	266.0	245.5	212.3	190.5	181.6	165.0	166.2	159.8	158.6
85°	203.3	200.8	199.5	190.5	166.2	147.0	140.7	131.7	138.1	131.7	124.0
87.5°	99.7	98.5	90.8	107.4	99.7	79.3	71.6	79.3	88.2	85.7	79.3
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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CATALOG NUMBER: VST-E07-LED-E-U-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7
2.5°	2071.5	2066.4	2070.2	2067.6	2067.6	2066.4	2068.9	2065.1	2062.5	2065.1	2066.4
5°	2112.4	2106.0	2107.3	2098.3	2102.2	2093.2	2095.8	2089.4	2083.0	2080.4	2080.4
7.5°	2181.4	2175.1	2167.4	2166.1	2152.0	2146.9	2138.0	2132.9	2129.0	2120.1	2115.0
10°	2244.1	2233.9	2224.9	2223.6	2209.6	2196.8	2185.3	2175.1	2168.7	2155.9	2149.5
12.5°	2295.2	2285.0	2271.0	2263.3	2249.2	2233.9	2226.2	2210.9	2201.9	2187.8	2176.3
15°	2324.7	2306.8	2286.3	2272.2	2251.8	2235.2	2223.6	2212.1	2203.2	2185.3	2168.7
17.5°	2310.6	2281.2	2253.1	2227.5	2199.3	2184.0	2167.4	2153.3	2150.8	2130.3	2104.7
20°	2251.8	2217.2	2180.2	2145.6	2108.6	2086.8	2066.4	2044.6	2038.2	2013.9	1980.7
22.5°	2180.2	2140.5	2098.3	2056.1	2008.8	1978.1	1947.4	1920.6	1898.9	1863.1	1815.7
25°	2107.3	2048.5	1987.1	1933.4	1878.4	1840.0	1808.1	1778.7	1753.1	1695.5	1647.0
27.5°	2011.4	1919.3	1856.7	1795.3	1728.8	1678.9	1643.1	1602.2	1574.1	1507.6	1456.4
30°	1888.6	1796.6	1707.1	1645.7	1579.2	1525.5	1479.4	1420.6	1379.7	1331.1	1283.8
32.5°	1733.9	1641.8	1551.1	1482.0	1427.0	1360.5	1303.0	1246.7	1199.4	1152.1	1115.0
35°	1545.9	1456.4	1370.8	1301.7	1240.3	1187.9	1132.9	1084.3	1030.6	979.5	957.7
37.5°	1347.7	1251.8	1157.2	1097.1	1048.5	1011.4	960.3	920.7	872.1	841.4	815.8
40°	1175.1	1072.8	983.3	932.2	893.8	851.6	809.4	778.7	744.2	713.5	694.3
42.5°	1029.3	933.4	856.7	813.2	767.2	721.2	689.2	663.6	641.9	618.9	595.9
45°	895.1	803.0	739.1	685.4	647.0	609.9	588.2	576.7	563.9	549.8	534.5
47.5°	782.6	703.3	640.6	590.8	551.1	525.5	515.3	511.5	506.4	494.9	487.2
50°	696.9	631.7	567.7	523.0	489.7	477.0	465.4	461.6	455.2	451.4	446.3
52.5°	625.3	556.2	502.5	461.6	441.1	436.0	430.9	425.8	424.5	422.0	419.4
55°	566.5	506.4	456.5	425.8	415.6	411.7	410.5	405.3	404.1	404.1	400.2
57.5°	514.0	462.9	418.1	399.0	392.6	388.7	386.2	383.6	383.6	386.2	384.9
60°	460.3	416.9	390.0	379.8	375.9	369.5	363.1	360.6	361.9	368.3	368.3
62.5°	407.9	375.9	359.3	355.5	351.6	346.5	338.9	336.3	338.9	346.5	350.4
65°	350.4	336.3	331.2	328.6	326.1	322.2	317.1	314.6	315.8	319.7	324.8
67.5°	297.9	296.7	296.7	297.9	296.7	295.4	292.8	289.0	287.7	287.7	290.3
70°	266.0	266.0	269.8	269.8	268.5	268.5	264.7	260.9	258.3	255.7	257.0
72.5°	241.7	241.7	243.0	244.2	243.0	243.0	237.8	235.3	228.9	227.6	225.0
75°	221.2	218.7	218.7	217.4	216.1	217.4	212.3	205.9	203.3	202.0	199.5
77.5°	200.8	195.6	193.1	190.5	191.8	190.5	186.7	182.9	179.0	177.7	176.5
80°	177.7	170.1	166.2	159.8	163.7	165.0	162.4	158.6	157.3	156.0	154.7
82.5°	147.0	139.4	134.3	130.4	127.9	130.4	134.3	143.2	140.7	139.4	136.8
85°	115.1	102.3	95.9	97.2	90.8	92.1	103.6	108.7	108.7	111.2	108.7
87.5°	65.2	62.7	47.3	43.5	46.0	55.0	61.4	67.8	67.8	63.9	71.6
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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CATALOG NUMBER: VST-E07-LED-E-U-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7
2.5°	2066.4	2068.9	2070.2	2075.3	2077.9	2079.2	2080.4	2083.0	2084.3	2083.0	2089.4
5°	2076.6	2076.6	2074.0	2077.9	2079.2	2079.2	2076.6	2079.2	2079.2	2079.2	2085.5
7.5°	2103.4	2095.8	2091.9	2086.8	2083.0	2077.9	2071.5	2071.5	2070.2	2071.5	2075.3
10°	2131.6	2120.1	2106.0	2093.2	2081.7	2072.8	2061.2	2057.4	2056.1	2054.9	2065.1
12.5°	2153.3	2132.9	2111.1	2089.4	2066.4	2051.0	2031.8	2020.3	2019.1	2019.1	2031.8
15°	2138.0	2104.7	2062.5	2024.2	2003.7	1982.0	1960.2	1946.2	1944.9	1947.4	1955.1
17.5°	2061.2	2007.5	1970.5	1933.4	1906.5	1888.6	1874.6	1872.0	1877.1	1872.0	1882.2
20°	1930.8	1873.3	1847.7	1818.3	1808.1	1795.3	1774.8	1756.9	1756.9	1733.9	1740.3
22.5°	1762.0	1730.1	1696.8	1673.8	1666.1	1644.4	1622.7	1598.4	1595.8	1567.7	1563.8
25°	1585.6	1553.6	1526.8	1521.6	1498.6	1469.2	1448.8	1420.6	1414.2	1386.1	1382.3
27.5°	1405.3	1379.7	1352.9	1337.5	1324.7	1292.8	1274.9	1241.6	1228.8	1198.1	1194.3
30°	1233.9	1216.0	1184.1	1171.3	1147.0	1109.9	1071.5	1051.1	1040.9	1008.9	998.7
32.5°	1072.8	1044.7	1020.4	1005.1	974.4	932.2	897.6	868.2	849.1	810.7	800.5
35°	919.4	891.2	879.7	840.1	813.2	785.1	737.8	719.9	685.4	656.0	645.7
37.5°	783.8	757.0	741.6	708.4	681.5	653.4	625.3	602.3	585.6	579.2	579.2
40°	667.5	653.4	634.2	609.9	592.0	571.6	556.2	548.6	547.3	549.8	556.2
42.5°	584.4	569.0	556.2	543.4	530.7	528.1	524.3	529.4	535.8	542.2	548.6
45°	521.7	508.9	501.2	496.1	494.9	498.7	506.4	514.0	525.5	533.2	538.3
47.5°	477.0	466.7	464.2	462.9	469.3	480.8	491.0	502.5	511.5	519.1	524.3
50°	438.6	429.6	428.4	427.1	436.0	446.3	455.2	470.6	477.0	482.1	485.9
52.5°	411.7	404.1	400.2	401.5	410.5	419.4	432.2	443.7	452.7	456.5	460.3
55°	390.0	387.4	378.5	382.3	391.3	402.8	415.6	428.4	437.3	443.7	450.1
57.5°	373.4	367.0	360.6	367.0	375.9	387.4	402.8	414.3	425.8	434.8	441.1
60°	355.5	350.4	345.2	351.6	360.6	372.1	383.6	399.0	413.0	422.0	428.4
62.5°	340.1	336.3	331.2	332.5	336.3	344.0	350.4	364.4	377.2	388.7	396.4
65°	318.4	317.1	309.4	310.7	313.3	321.0	326.1	338.9	351.6	361.9	368.3
67.5°	286.4	283.9	283.9	287.7	289.0	292.8	296.7	309.4	319.7	327.3	335.0
70°	254.5	253.2	253.2	255.7	254.5	258.3	263.4	274.9	287.7	295.4	303.0
72.5°	223.8	223.8	222.5	225.0	225.0	226.3	232.7	243.0	254.5	260.9	266.0
75°	196.9	195.6	195.6	195.6	196.9	196.9	203.3	212.3	223.8	227.6	235.3
77.5°	172.6	172.6	172.6	172.6	173.9	172.6	176.5	182.9	186.7	193.1	193.1
80°	152.2	150.9	152.2	153.4	153.4	152.2	152.2	153.4	154.7	154.7	154.7
82.5°	134.3	130.4	133.0	139.4	139.4	139.4	138.1	129.1	122.8	122.8	125.3
85°	107.4	107.4	108.7	117.6	118.9	113.8	118.9	106.1	93.3	89.5	92.1
87.5°	66.5	52.4	63.9	72.9	72.9	69.0	76.7	71.6	60.1	48.6	46.0
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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CATALOG NUMBER: VST-E07-LED-E-U-SLL-7030

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	0°
2.5°	2094.5	2095.8	2103.4	2107.3	2107.3	2112.4	2115.0	2122.6	2121.3	2121.3	2123.9	2.5°
5°	2091.9	2095.8	2103.4	2108.6	2111.1	2117.5	2122.6	2131.6	2130.3	2132.9	2134.1	5°
7.5°	2083.0	2093.2	2100.9	2111.1	2120.1	2125.2	2131.6	2139.2	2136.7	2138.0	2136.7	7.5°
10°	2075.3	2085.5	2100.9	2115.0	2127.7	2135.4	2139.2	2148.2	2146.9	2149.5	2149.5	10°
12.5°	2044.6	2062.5	2081.7	2103.4	2122.6	2143.1	2155.9	2175.1	2184.0	2195.5	2208.3	12.5°
15°	1966.6	1987.1	2017.8	2042.1	2079.2	2107.3	2144.4	2181.4	2214.7	2246.7	2283.7	15°
17.5°	1889.9	1898.9	1923.2	1956.4	1989.6	2031.8	2076.6	2143.1	2203.2	2268.4	2340.0	17.5°
20°	1748.0	1763.3	1779.9	1819.6	1859.2	1919.3	1974.3	2061.2	2149.5	2251.8	2361.7	20°
22.5°	1572.8	1588.1	1606.0	1650.8	1699.4	1760.8	1827.2	1924.4	2042.1	2175.1	2322.1	22.5°
25°	1383.5	1392.5	1406.6	1451.3	1480.7	1561.3	1641.8	1742.9	1870.7	2042.1	2213.4	25°
27.5°	1175.1	1191.7	1203.2	1223.7	1291.5	1360.5	1444.9	1553.6	1708.3	1883.5	2090.7	27.5°
30°	975.6	989.7	983.3	1026.8	1071.5	1144.4	1235.2	1355.4	1503.7	1712.2	1951.3	30°
32.5°	780.0	790.2	786.4	817.1	861.8	934.7	1020.4	1150.8	1308.1	1530.6	1790.2	32.5°
35°	643.2	645.7	659.8	673.9	712.2	771.1	843.9	957.7	1118.9	1323.4	1598.4	35°
37.5°	579.2	584.4	593.3	612.5	640.6	682.8	742.9	831.1	969.2	1149.5	1395.1	37.5°
40°	560.1	563.9	569.0	581.8	608.7	645.7	699.4	773.6	874.6	1026.8	1226.3	40°
42.5°	551.1	551.1	551.1	558.8	579.2	618.9	680.3	753.1	841.4	956.5	1117.6	42.5°
45°	538.3	538.3	537.0	540.9	555.0	594.6	661.1	742.9	837.5	947.5	1086.9	45°
47.5°	524.3	523.0	519.1	519.1	528.1	567.7	636.8	725.0	828.6	955.2	1104.8	47.5°
50°	485.9	485.9	485.9	489.7	497.4	533.2	607.4	700.7	819.6	960.3	1132.9	50°
52.5°	464.2	465.4	469.3	469.3	477.0	514.0	592.0	695.6	824.8	979.5	1168.7	52.5°
55°	453.9	457.8	461.6	461.6	468.0	506.4	586.9	699.4	843.9	1019.1	1230.1	55°
57.5°	445.0	448.8	451.4	451.4	456.5	489.7	572.9	693.1	855.4	1057.5	1305.5	57.5°
60°	428.4	430.9	432.2	432.2	433.5	461.6	540.9	662.4	829.9	1054.9	1346.5	60°
62.5°	397.7	402.8	404.1	405.3	405.3	432.2	500.0	612.5	774.9	1016.6	1335.0	62.5°
65°	374.7	377.2	381.0	383.6	388.7	406.6	460.3	552.4	703.3	939.8	1271.0	65°
67.5°	338.9	342.7	346.5	351.6	356.8	368.3	410.5	484.6	606.1	809.4	1127.8	67.5°
70°	306.9	308.2	312.0	318.4	319.7	326.1	356.8	407.9	496.1	649.6	907.9	70°
72.5°	267.2	269.8	274.9	282.6	282.6	287.7	305.6	332.5	388.7	496.1	670.0	72.5°
75°	232.7	235.3	239.1	239.1	232.7	234.0	246.8	266.0	308.2	373.4	488.5	75°
77.5°	193.1	198.2	202.0	194.4	191.8	195.6	202.0	216.1	246.8	296.7	367.0	77.5°
80°	159.8	162.4	163.7	165.0	162.4	166.2	171.3	180.3	200.8	239.1	290.3	80°
82.5°	127.9	130.4	134.3	139.4	139.4	153.4	154.7	154.7	166.2	190.5	227.6	82.5°
85°	94.6	99.7	104.9	111.2	112.5	120.2	116.4	115.1	118.9	141.9	157.3	85°
87.5°	48.6	52.4	55.0	60.1	53.7	56.3	56.3	52.4	46.0	57.5	63.9	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°
2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7
2126.5	2123.9	2126.5	2126.5	2130.3	2127.7	2263.3
2136.7	2134.1	2136.7	2139.2	2143.1	2143.1	2292.7
2138.0	2138.0	2135.4	2141.8	2146.9	2152.0	2320.8
2153.3	2153.3	2155.9	2157.2	2168.7	2181.4	2366.9
2216.0	2222.4	2233.9	2237.7	2258.2	2272.2	2484.5
2311.9	2347.7	2370.7	2378.4	2396.3	2423.1	2682.7
2409.1	2469.2	2531.8	2570.2	2593.2	2625.2	2925.6
2481.9	2594.5	2701.9	2797.8	2852.8	2915.4	3265.8
2488.3	2667.3	2848.9	3026.7	3173.7	3290.1	3726.1
2427.0	2662.2	2912.9	3185.2	3438.4	3648.1	4255.5
2349.0	2637.9	2957.6	3305.4	3637.9	3947.3	4645.5
2250.5	2597.0	2965.3	3356.6	3746.6	4118.7	4868.0
2100.9	2475.5	2873.2	3305.4	3758.1	4210.7	5011.2
1909.1	2291.4	2699.3	3191.6	3704.4	4247.8	5131.4
1713.4	2090.7	2529.2	3039.4	3618.7	4241.4	5180.0
1506.3	1881.0	2329.8	2877.1	3502.3	4182.6	5171.0
1365.6	1707.1	2146.9	2712.1	3373.2	4104.6	5110.9
1283.8	1583.0	2002.4	2561.2	3255.5	4011.3	5035.5
1282.5	1545.9	1925.7	2453.8	3136.6	3907.7	4933.2
1327.3	1569.0	1916.8	2407.8	3071.4	3832.2	4821.9
1379.7	1632.9	1964.1	2424.4	3070.1	3799.0	4743.9
1462.8	1741.6	2067.6	2496.0	3103.4	3793.9	4648.0
1569.0	1888.6	2254.3	2672.5	3232.5	3894.9	4654.4
1677.6	2061.2	2498.6	2974.2	3487.0	4130.2	4856.5
1717.3	2194.2	2746.6	3328.4	3868.0	4483.1	5273.3
1682.8	2224.9	2897.5	3603.3	4238.9	4896.1	5770.7
1554.9	2100.9	2836.1	3681.3	4452.4	5188.9	6268.1
1280.0	1792.7	2557.4	3506.2	4435.8	5249.0	6447.2
938.6	1389.9	2079.2	2979.3	3943.5	4873.1	6178.6
677.7	983.3	1501.2	2244.1	3117.4	3924.3	5182.5
485.9	681.5	974.4	1474.3	2123.9	2732.6	3694.1
349.1	462.9	607.4	884.9	1294.0	1677.6	2320.8
257.0	317.1	399.0	549.8	762.1	976.9	1397.6
175.2	186.7	240.4	324.8	500.0	718.6	948.8
66.5	75.4	88.2	133.0	223.8	257.0	181.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)