

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: P158816

Luminaire Tested: **VTS-F08-LED-E1-SLL-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158816
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F08-LED-E1-SLL-7050
Description: VENTUS LED SITE LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (56) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

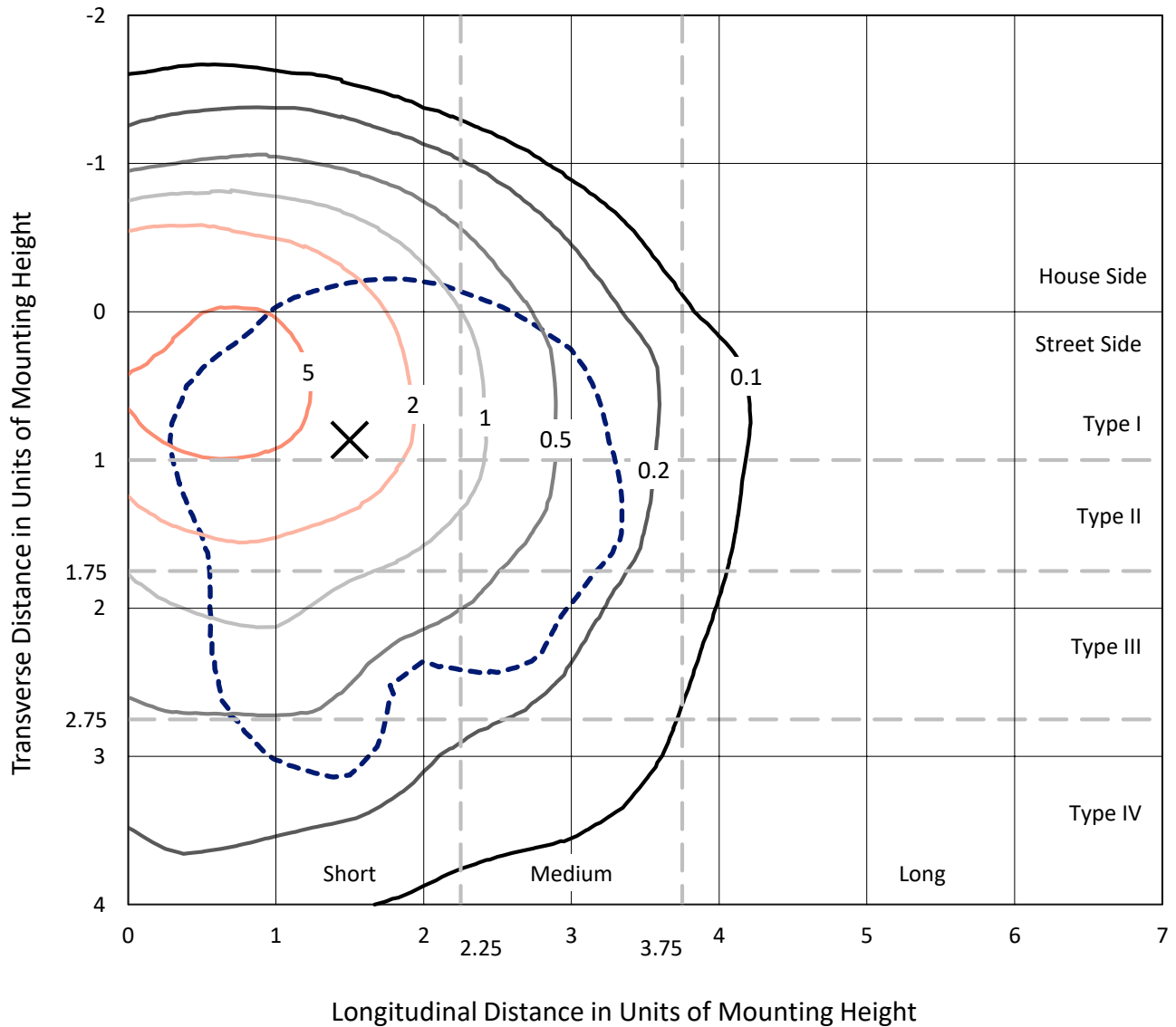
Lumens per Lamp: N/A
Luminaire Lumens: 18210.6 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

Input Watts (W): 204.4
Input Voltage (V): NR
Input Current (A_{in}): 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: P158816
 CATALOG NUMBER: VTS-F08-LED-E1-SLL-7050

Iso-Footcandle Lines of Horizontal Illumination

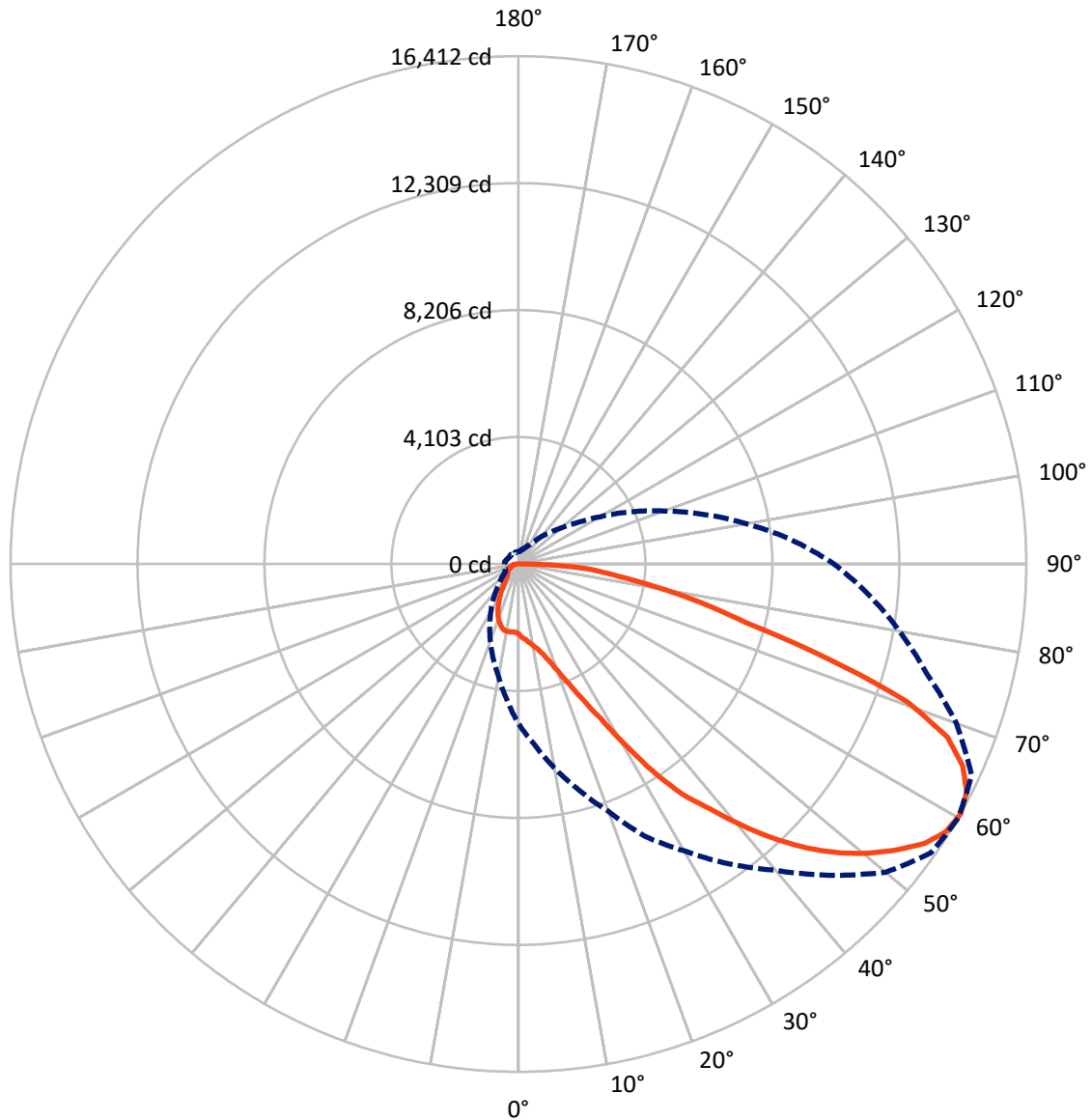
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P158816
CATALOG NUMBER: VTS-F08-LED-E1-SLL-7050

Luminous Intensity Polar Plot



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

REPORT NUMBER: P158816

CATALOG NUMBER: VTS-F08-LED-E1-SLL-7050

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4100.5	0.0	4100.5
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	14110.2	0.0	14110.2
	% Fixture	77.5	0.0	77.5
Total	Lumens	18210.6	0.0	18210.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.4	1.2
10°-20°	721.4	4.0
20°-30°	1369.0	7.5
30°-40°	2155.9	11.8
40°-50°	3009.1	16.5
50°-60°	3721.5	20.4
60°-70°	3857.5	21.2
70°-80°	2427.3	13.3
80°-90°	725.6	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°	18210.6	100.0
0°-180°	18210.6	100.0



REPORT NUMBER: P158816

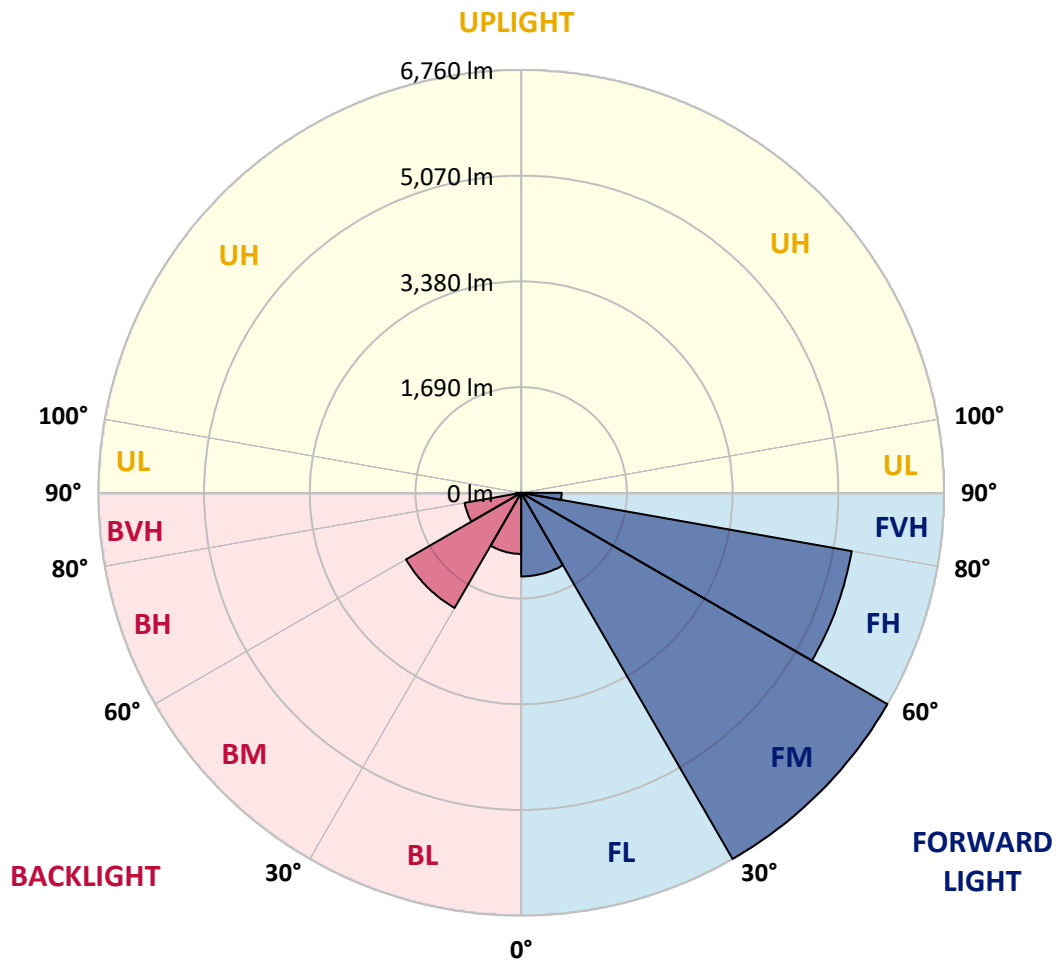
CATALOG NUMBER: VTS-F08-LED-E1-SLL-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1336.9	7.3			
FM	(30°-60°)	6760.1	37.1			
FH	(60°-80°)	5366.5	29.5			G3/7500
FVH	(80°-90°)	646.6	3.6			G4/750
BL	(0°-30°)	976.9	5.4	B2/1000		
BM	(30°-60°)	2126.3	11.7	B2/2500		
BH	(60°-80°)	918.3	5.0	B2/1000		G2/1000
BVH	(80°-90°)	78.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





REPORT NUMBER: P158816

CATALOG NUMBER: VTS-F08-LED-E1-SLL-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7
2.5°	2398.9	2396.2	2396.2	2396.2	2394.9	2392.1	2396.2	2394.9	2388.1	2384.0	2388.1
5°	2430.1	2431.4	2435.5	2436.9	2436.9	2440.9	2451.8	2453.1	2451.8	2454.5	2461.3
7.5°	2459.9	2466.7	2470.8	2477.5	2485.7	2492.4	2511.4	2530.4	2542.6	2552.1	2554.8
10°	2508.7	2519.5	2531.7	2549.4	2568.3	2602.2	2618.5	2637.5	2649.7	2668.6	2672.7
12.5°	2633.4	2646.9	2655.1	2682.2	2706.6	2739.1	2762.1	2767.6	2796.0	2812.3	2831.3
15°	2843.5	2863.8	2892.3	2908.5	2935.6	2964.1	2984.4	3011.5	3015.6	3037.3	3052.2
17.5°	3101.0	3129.4	3187.7	3227.0	3262.3	3290.7	3331.4	3362.6	3369.3	3393.7	3362.6
20°	3461.5	3530.6	3540.1	3618.7	3649.9	3706.8	3788.1	3803.0	3842.3	3803.0	3780.0
22.5°	3949.4	4057.8	4087.6	4163.5	4201.5	4288.2	4312.6	4392.6	4419.7	4389.9	4327.5
25°	4510.5	4678.6	4765.3	4881.9	4900.8	5078.4	5097.4	5190.9	5140.7	5068.9	5070.3
27.5°	4923.9	5209.9	5433.5	5632.7	5772.3	5972.9	6128.8	6172.1	6124.7	6031.2	5998.7
30°	5159.7	5483.6	5804.8	6080.0	6405.2	6711.5	7030.0	7188.6	7215.7	7264.5	7068.0
32.5°	5311.5	5727.6	6109.8	6450.0	6783.4	7177.8	7604.7	8012.7	8355.6	8614.4	8492.4
35°	5438.9	5952.6	6441.8	6853.9	7248.3	7677.9	8108.9	8590.0	9157.9	9490.0	9559.1
37.5°	5490.4	6117.9	6717.0	7245.5	7799.9	8283.7	8712.0	9140.3	9736.6	10328.9	10511.9
40°	5480.9	6199.2	6881.0	7545.1	8224.1	8828.6	9330.0	9836.9	10534.9	11227.5	11525.6
42.5°	5417.2	6211.4	6985.3	7744.3	8518.2	9321.9	9963.0	10547.1	11216.6	12104.4	12525.9
45°	5337.3	6169.4	7007.0	7846.0	8736.4	9666.1	10476.6	11199.0	11983.7	12860.6	13370.2
47.5°	5228.8	6103.0	6979.9	7881.2	8834.0	9887.1	10839.9	11708.6	12572.0	13581.7	14228.2
50°	5110.9	6008.1	6924.3	7855.4	8858.4	10007.7	11047.2	12036.6	13045.0	14134.6	14951.9
52.5°	5028.2	5906.5	6874.2	7802.6	8834.0	10044.3	11123.1	12212.8	13335.0	14461.3	15437.1
55°	4926.6	5771.0	6740.0	7679.2	8744.5	10024.0	11115.0	12273.8	13415.0	14587.3	15701.4
57.5°	4933.4	5708.6	6626.2	7531.5	8561.6	9835.6	10961.8	12212.8	13288.9	14506.0	15710.9
60°	5147.5	5842.8	6685.8	7561.3	8507.3	9716.3	10701.6	11819.8	12918.9	14225.4	15491.3
62.5°	5589.3	6226.3	6992.1	7859.5	8812.3	9954.8	10583.7	11166.5	12142.3	13709.1	15117.3
65°	6116.6	6691.2	7355.3	8180.7	9248.7	10342.5	10517.3	10635.2	11128.5	12704.8	14415.2
67.5°	6643.8	7157.5	7679.2	8363.7	9496.7	10453.6	10246.2	9965.7	10231.3	11537.8	13035.5
70°	6833.5	7515.3	7858.2	8328.4	9308.3	10194.7	9808.5	9102.3	9194.5	10381.8	11476.9
72.5°	6548.9	7520.7	7634.5	7809.4	8469.4	9302.9	8895.0	7986.9	7967.9	8874.6	9759.7
75°	5493.1	6860.6	6859.3	6794.2	6943.3	7417.7	7206.2	6658.7	6890.5	7604.7	7896.1
77.5°	3915.5	5353.5	5421.3	4983.5	4972.7	5186.8	5314.2	5951.2	6791.5	7192.7	7100.5
80°	2459.9	3611.9	3903.3	3362.6	3247.3	3550.9	4338.4	5265.4	6299.5	6660.0	6349.7
82.5°	1481.4	2327.1	2947.8	2641.5	2614.4	3167.4	4037.5	4398.0	4708.4	5091.9	4572.9
85°	1005.6	1550.5	2016.7	2077.7	2314.9	2886.8	3265.0	3105.0	3113.2	3012.9	2744.5
87.5°	192.5	422.9	691.2	843.0	935.2	1256.4	1366.2	1237.4	1306.5	955.5	1045.0
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: P158816

CATALOG NUMBER: VTS-F08-LED-E1-SLL-7050

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7
2.5°	2381.3	2381.3	2381.3	2374.5	2375.9	2366.4	2362.3	2362.3	2358.3	2358.3	2356.9
5°	2455.8	2447.7	2451.8	2450.4	2450.4	2436.9	2430.1	2430.1	2412.5	2413.8	2408.4
7.5°	2567.0	2565.6	2569.7	2561.6	2550.7	2539.9	2529.0	2523.6	2499.2	2484.3	2474.8
10°	2693.0	2691.7	2695.7	2694.4	2675.4	2655.1	2625.3	2603.6	2573.8	2550.7	2527.7
12.5°	2831.3	2829.9	2827.2	2815.0	2794.7	2762.1	2724.2	2687.6	2642.9	2613.1	2579.2
15°	3046.8	3042.7	3026.4	3008.8	2987.1	2937.0	2870.6	2817.7	2758.1	2706.6	2651.0
17.5°	3365.3	3331.4	3328.7	3289.4	3231.1	3164.7	3102.3	3014.2	2928.8	2851.6	2775.7
20°	3804.4	3725.8	3704.1	3659.4	3582.1	3513.0	3377.5	3259.5	3143.0	3037.3	2941.0
22.5°	4282.8	4225.9	4173.0	4099.8	3994.1	3893.8	3721.7	3574.0	3424.9	3289.4	3182.3
25°	4951.0	4852.0	4757.2	4640.6	4494.2	4375.0	4178.5	4029.4	3834.2	3710.9	3556.4
27.5°	5814.3	5644.9	5485.0	5384.7	5127.2	4953.7	4703.0	4510.5	4274.7	4108.0	3925.0
30°	6937.9	6741.4	6504.2	6157.2	5850.9	5506.7	5196.3	4949.6	4698.9	4465.8	4254.4
32.5°	8331.2	7984.2	7608.8	7058.5	6555.7	6065.1	5651.7	5348.1	5091.9	4801.9	4503.7
35°	9508.9	9151.1	8618.5	7919.1	7298.4	6737.3	6242.6	5827.9	5493.1	5125.8	4731.4
37.5°	10438.7	10030.7	9530.6	8787.9	8131.9	7493.6	6974.5	6445.9	6006.8	5501.2	5002.5
40°	11504.0	11094.7	10544.4	9774.6	8998.0	8305.4	7696.9	7150.7	6611.3	5994.6	5353.5
42.5°	12432.4	12136.9	11579.9	10784.3	9923.7	9152.5	8487.0	7862.2	7157.5	6467.6	5708.6
45°	13400.1	13099.2	12570.6	11738.4	10823.6	9964.3	9168.7	8496.5	7664.3	6843.0	5974.3
47.5°	14255.3	13946.3	13412.3	12585.5	11613.7	10708.4	9832.9	9019.7	8053.3	7110.0	6147.7
50°	15071.2	14693.0	14203.8	13379.7	12341.6	11373.9	10423.8	9380.2	8355.6	7297.0	6265.6
52.5°	15820.7	15339.5	14876.0	14027.6	12905.4	11894.3	10834.4	9686.5	8541.2	7444.8	6345.6
55°	16246.2	15935.9	15381.5	14548.0	13306.5	12252.1	11094.7	9902.0	8725.6	7549.1	6379.5
57.5°	16377.7	16301.8	15836.9	14848.9	13542.4	12448.6	11270.8	10072.7	8848.9	7579.0	6332.1
60°	16273.3	16411.6	16156.8	15060.3	13649.4	12506.9	11357.6	10194.7	8870.6	7484.1	6188.4
62.5°	15938.6	16253.0	16220.5	15130.8	13593.9	12433.7	11348.1	10132.4	8667.3	7188.6	5865.8
65°	15388.3	15784.1	15923.7	14869.2	13280.8	12166.7	11106.9	9740.7	8102.1	6611.3	5325.1
67.5°	14352.8	14951.9	15087.4	14012.7	12462.2	11428.1	10411.6	8927.5	7055.8	5718.1	4480.7
70°	12277.9	13325.5	13508.5	12380.9	11018.8	10110.7	9248.7	7638.6	5875.3	4586.4	3438.4
72.5°	9801.7	10460.4	10834.4	10057.8	9044.1	8385.4	7732.1	5860.4	4433.3	3384.2	2366.4
75°	7663.0	7623.7	7958.4	7442.1	6845.7	6538.1	6047.4	4089.0	2969.5	2241.7	1497.6
77.5°	6551.6	6047.4	5666.6	5303.4	4949.6	4852.0	4381.8	2537.2	1835.1	1343.1	895.9
80°	5445.7	4525.4	3830.1	3319.2	3193.1	3385.6	2867.9	1496.3	1087.0	771.2	562.5
82.5°	3891.1	3255.5	2649.7	2325.7	2110.2	2416.5	1691.4	830.8	589.6	462.2	372.7
85°	2522.3	2411.1	2385.4	2279.6	2018.1	1905.6	1284.8	715.6	441.8	287.3	231.8
87.5°	970.4	1244.2	1435.3	1538.3	1663.0	1481.4	669.5	246.7	242.6	149.1	112.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P158816

CATALOG NUMBER: VTS-F08-LED-E1-SLL-7050

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7
2.5°	2347.4	2342.0	2340.6	2336.6	2333.9	2333.9	2327.1	2203.8	2202.4	2202.4	2201.0
5°	2397.6	2390.8	2384.0	2382.7	2377.2	2377.2	2370.5	2247.1	2247.1	2247.1	2244.4
7.5°	2465.3	2451.8	2443.6	2439.6	2431.4	2435.5	2440.9	2316.2	2317.6	2316.2	2319.0
10°	2514.1	2506.0	2496.5	2493.8	2488.4	2492.4	2500.6	2377.2	2381.3	2382.7	2385.4
12.5°	2561.6	2548.0	2535.8	2531.7	2529.0	2539.9	2549.4	2430.1	2434.2	2438.2	2438.2
15°	2619.8	2596.8	2580.5	2571.0	2565.6	2576.5	2590.0	2472.1	2473.5	2477.5	2476.2
17.5°	2718.8	2684.9	2646.9	2640.2	2622.5	2626.6	2629.3	2497.9	2492.4	2482.9	2466.7
20°	2871.9	2820.4	2768.9	2747.2	2712.0	2697.1	2667.3	2499.2	2465.3	2436.9	2412.5
22.5°	3091.5	3015.6	2960.0	2923.4	2851.6	2801.4	2720.1	2492.4	2428.7	2379.9	2342.0
25°	3446.6	3355.8	3270.4	3178.2	3065.7	2965.4	2846.2	2552.1	2453.1	2369.1	2295.9
27.5°	3792.2	3648.5	3517.1	3378.8	3220.2	3069.8	2901.7	2571.0	2458.6	2350.1	2230.9
30°	4051.1	3842.3	3643.1	3441.2	3233.8	3038.6	2848.9	2506.0	2371.8	2249.8	2123.8
32.5°	4208.3	3937.2	3678.3	3427.6	3183.6	2964.1	2751.3	2393.5	2245.8	2102.1	1967.9
35°	4357.4	4021.2	3700.0	3404.6	3125.4	2881.4	2652.4	2262.0	2085.8	1932.7	1763.3
37.5°	4541.7	4109.3	3713.6	3362.6	3040.0	2760.8	2508.7	2096.7	1920.5	1732.1	1572.2
40°	4762.6	4200.1	3700.0	3278.5	2907.2	2602.2	2335.2	1923.2	1726.7	1543.7	1386.5
42.5°	4972.7	4280.1	3664.8	3166.0	2762.1	2436.9	2176.6	1768.7	1572.2	1385.1	1229.3
45°	5128.5	4347.9	3647.2	3087.4	2651.0	2324.4	2037.0	1644.0	1436.6	1248.3	1089.7
47.5°	5237.0	4388.5	3639.0	3044.1	2573.8	2207.8	1909.6	1519.3	1301.1	1111.4	956.9
50°	5293.9	4387.2	3618.7	2996.6	2459.9	2068.2	1778.2	1393.3	1176.4	990.7	849.8
52.5°	5308.8	4362.8	3575.3	2909.9	2321.7	1928.6	1637.2	1261.8	1066.6	889.1	746.8
55°	5274.9	4303.1	3484.5	2764.9	2173.9	1780.9	1508.5	1158.8	959.6	791.5	680.4
57.5°	5178.7	4197.4	3313.8	2565.6	2018.1	1644.0	1360.7	1034.1	843.0	702.1	609.9
60°	4999.8	3973.8	3046.8	2329.8	1820.2	1435.3	1157.4	871.5	719.7	614.0	539.4
62.5°	4669.1	3622.8	2671.3	2004.5	1535.6	1164.2	924.3	695.3	581.4	512.3	466.2
65°	4136.4	3094.2	2236.3	1578.9	1166.9	847.1	687.1	523.2	440.5	398.5	384.9
67.5°	3376.1	2389.4	1626.4	1096.5	790.2	593.6	478.4	382.2	342.9	326.6	321.2
70°	2454.5	1627.7	1053.1	692.6	521.8	414.7	361.9	307.7	286.0	281.9	281.9
72.5°	1541.0	989.4	645.1	474.4	395.8	336.1	309.0	271.1	262.9	260.2	256.2
75°	904.0	600.4	456.7	389.0	338.8	300.9	277.8	246.7	241.2	239.9	235.8
77.5°	576.0	432.3	368.6	332.1	306.3	272.4	252.1	219.6	218.2	216.9	215.5
80°	413.4	359.2	322.6	294.1	268.4	237.2	225.0	199.2	196.5	195.2	197.9
82.5°	313.1	296.8	281.9	260.2	225.0	201.9	192.5	174.8	176.2	169.4	168.1
85°	215.5	212.8	211.4	201.9	176.2	155.9	149.1	139.6	146.4	139.6	131.5
87.5°	105.7	104.4	96.2	113.8	105.7	84.0	75.9	84.0	93.5	90.8	84.0
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: P158816

CATALOG NUMBER: VTS-F08-LED-E1-SLL-7050

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7
2.5°	2195.6	2190.2	2194.3	2191.6	2191.6	2190.2	2192.9	2188.8	2186.1	2188.8	2190.2
5°	2239.0	2232.2	2233.6	2224.1	2228.1	2218.7	2221.4	2214.6	2207.8	2205.1	2205.1
7.5°	2312.2	2305.4	2297.3	2295.9	2281.0	2275.6	2266.1	2260.7	2256.6	2247.1	2241.7
10°	2378.6	2367.7	2358.3	2356.9	2342.0	2328.4	2316.2	2305.4	2298.6	2285.1	2278.3
12.5°	2432.8	2422.0	2407.1	2398.9	2384.0	2367.7	2359.6	2343.3	2333.9	2319.0	2306.8
15°	2464.0	2445.0	2423.3	2408.4	2386.7	2369.1	2356.9	2344.7	2335.2	2316.2	2298.6
17.5°	2449.1	2417.9	2388.1	2361.0	2331.2	2314.9	2297.3	2282.4	2279.6	2258.0	2230.9
20°	2386.7	2350.1	2310.8	2274.2	2234.9	2211.9	2190.2	2167.2	2160.4	2134.6	2099.4
22.5°	2310.8	2268.8	2224.1	2179.4	2129.2	2096.7	2064.2	2035.7	2012.7	1974.7	1924.6
25°	2233.6	2171.2	2106.2	2049.2	1991.0	1950.3	1916.4	1885.3	1858.1	1797.2	1745.7
27.5°	2131.9	2034.3	1967.9	1902.9	1832.4	1779.5	1741.6	1698.2	1668.4	1597.9	1543.7
30°	2001.8	1904.2	1809.4	1744.3	1673.8	1616.9	1568.1	1505.8	1462.4	1410.9	1360.7
32.5°	1837.8	1740.2	1644.0	1570.8	1512.5	1442.1	1381.1	1321.4	1271.3	1221.1	1181.8
35°	1638.6	1543.7	1452.9	1379.7	1314.7	1259.1	1200.8	1149.3	1092.4	1038.2	1015.1
37.5°	1428.5	1326.9	1226.6	1162.9	1111.4	1072.1	1017.8	975.8	924.3	891.8	864.7
40°	1245.5	1137.1	1042.2	988.0	947.4	902.6	857.9	825.4	788.8	756.3	735.9
42.5°	1091.0	989.4	908.1	862.0	813.2	764.4	730.5	703.4	680.4	656.0	631.6
45°	948.7	851.1	783.4	726.5	685.8	646.5	623.4	611.2	597.7	582.8	566.5
47.5°	829.5	745.4	679.0	626.2	584.1	557.0	546.2	542.1	536.7	524.5	516.4
50°	738.6	669.5	601.8	554.3	519.1	505.5	493.3	489.3	482.5	478.4	473.0
52.5°	662.8	589.6	532.6	489.3	467.6	462.2	456.7	451.3	450.0	447.3	444.5
55°	600.4	536.7	483.8	451.3	440.5	436.4	435.1	429.6	428.3	428.3	424.2
57.5°	544.8	490.6	443.2	422.9	416.1	412.0	409.3	406.6	406.6	409.3	408.0
60°	487.9	441.8	413.4	402.5	398.5	391.7	384.9	382.2	383.6	390.3	390.3
62.5°	432.3	398.5	380.8	376.8	372.7	367.3	359.2	356.4	359.2	367.3	371.4
65°	371.4	356.4	351.0	348.3	345.6	341.5	336.1	333.4	334.8	338.8	344.3
67.5°	315.8	314.4	314.4	315.8	314.4	313.1	310.4	306.3	304.9	304.9	307.7
70°	281.9	281.9	286.0	286.0	284.6	284.6	280.6	276.5	273.8	271.1	272.4
72.5°	256.2	256.2	257.5	258.9	257.5	257.5	252.1	249.4	242.6	241.2	238.5
75°	234.5	231.8	231.8	230.4	229.0	230.4	225.0	218.2	215.5	214.1	211.4
77.5°	212.8	207.4	204.7	201.9	203.3	201.9	197.9	193.8	189.7	188.4	187.0
80°	188.4	180.3	176.2	169.4	173.5	174.8	172.1	168.1	166.7	165.3	164.0
82.5°	155.9	147.7	142.3	138.2	135.5	138.2	142.3	151.8	149.1	147.7	145.0
85°	122.0	108.4	101.6	103.0	96.2	97.6	109.8	115.2	115.2	117.9	115.2
87.5°	69.1	66.4	50.1	46.1	48.8	58.3	65.1	71.8	71.8	67.8	75.9
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: P158816

CATALOG NUMBER: VTS-F08-LED-E1-SLL-7050

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7
2.5°	2190.2	2192.9	2194.3	2199.7	2202.4	2203.8	2205.1	2207.8	2209.2	2207.8	2214.6
5°	2201.0	2201.0	2198.3	2202.4	2203.8	2203.8	2201.0	2203.8	2203.8	2203.8	2210.5
7.5°	2229.5	2221.4	2217.3	2211.9	2207.8	2202.4	2195.6	2195.6	2194.3	2195.6	2199.7
10°	2259.3	2247.1	2232.2	2218.7	2206.5	2197.0	2184.8	2180.7	2179.4	2178.0	2188.8
12.5°	2282.4	2260.7	2237.6	2214.6	2190.2	2173.9	2153.6	2141.4	2140.1	2140.1	2153.6
15°	2266.1	2230.9	2186.1	2145.5	2123.8	2100.7	2077.7	2062.8	2061.4	2064.2	2072.3
17.5°	2184.8	2127.9	2088.5	2049.2	2020.8	2001.8	1986.9	1984.2	1989.6	1984.2	1995.0
20°	2046.5	1985.5	1958.4	1927.3	1916.4	1902.9	1881.2	1862.2	1862.2	1837.8	1844.6
22.5°	1867.6	1833.7	1798.5	1774.1	1766.0	1742.9	1719.9	1694.2	1691.4	1661.6	1657.6
25°	1680.6	1646.7	1618.3	1612.8	1588.4	1557.3	1535.6	1505.8	1499.0	1469.2	1465.1
27.5°	1489.5	1462.4	1433.9	1417.7	1404.1	1370.2	1351.3	1316.0	1302.5	1269.9	1265.9
30°	1307.9	1288.9	1255.0	1241.5	1215.7	1176.4	1135.8	1114.1	1103.2	1069.3	1058.5
32.5°	1137.1	1107.3	1081.5	1065.3	1032.8	988.0	951.4	920.3	899.9	859.3	848.4
35°	974.5	944.7	932.5	890.4	862.0	832.2	782.0	763.0	726.5	695.3	684.4
37.5°	830.8	802.4	786.1	750.8	722.4	692.6	662.8	638.4	620.7	614.0	614.0
40°	707.5	692.6	672.2	646.5	627.5	605.8	589.6	581.4	580.1	582.8	589.6
42.5°	619.4	603.1	589.6	576.0	562.5	559.7	555.7	561.1	567.9	574.7	581.4
45°	553.0	539.4	531.3	525.9	524.5	528.6	536.7	544.8	557.0	565.2	570.6
47.5°	505.5	494.7	492.0	490.6	497.4	509.6	520.4	532.6	542.1	550.3	555.7
50°	464.9	455.4	454.0	452.7	462.2	473.0	482.5	498.8	505.5	511.0	515.0
52.5°	436.4	428.3	424.2	425.6	435.1	444.5	458.1	470.3	479.8	483.8	487.9
55°	413.4	410.7	401.2	405.2	414.7	426.9	440.5	454.0	463.5	470.3	477.1
57.5°	395.8	389.0	382.2	389.0	398.5	410.7	426.9	439.1	451.3	460.8	467.6
60°	376.8	371.4	365.9	372.7	382.2	394.4	406.6	422.9	437.8	447.3	454.0
62.5°	360.5	356.4	351.0	352.4	356.4	364.6	371.4	386.3	399.8	412.0	420.1
65°	337.5	336.1	328.0	329.3	332.1	340.2	345.6	359.2	372.7	383.6	390.3
67.5°	303.6	300.9	300.9	304.9	306.3	310.4	314.4	328.0	338.8	347.0	355.1
70°	269.7	268.4	268.4	271.1	269.7	273.8	279.2	291.4	304.9	313.1	321.2
72.5°	237.2	237.2	235.8	238.5	238.5	239.9	246.7	257.5	269.7	276.5	281.9
75°	208.7	207.4	207.4	207.4	208.7	208.7	215.5	225.0	237.2	241.2	249.4
77.5°	183.0	183.0	183.0	183.0	184.3	183.0	187.0	193.8	197.9	204.7	204.7
80°	161.3	159.9	161.3	162.6	162.6	161.3	161.3	162.6	164.0	164.0	164.0
82.5°	142.3	138.2	141.0	147.7	147.7	147.7	146.4	136.9	130.1	130.1	132.8
85°	113.8	113.8	115.2	124.7	126.0	120.6	126.0	112.5	98.9	94.9	97.6
87.5°	70.5	55.6	67.8	77.3	77.3	73.2	81.3	75.9	63.7	51.5	48.8
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: P158816
 CATALOG NUMBER: VTS-F08-LED-E1-SLL-7050

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	0°
2.5°	2220.0	2221.4	2229.5	2233.6	2233.6	2239.0	2241.7	2249.8	2248.5	2248.5	2251.2	2.5°
5°	2217.3	2221.4	2229.5	2234.9	2237.6	2244.4	2249.8	2259.3	2258.0	2260.7	2262.0	5°
7.5°	2207.8	2218.7	2226.8	2237.6	2247.1	2252.5	2259.3	2267.5	2264.7	2266.1	2264.7	7.5°
10°	2199.7	2210.5	2226.8	2241.7	2255.3	2263.4	2267.5	2276.9	2275.6	2278.3	2278.3	10°
12.5°	2167.2	2186.1	2206.5	2229.5	2249.8	2271.5	2285.1	2305.4	2314.9	2327.1	2340.6	12.5°
15°	2084.5	2106.2	2138.7	2164.4	2203.8	2233.6	2272.9	2312.2	2347.4	2381.3	2420.6	15°
17.5°	2003.2	2012.7	2038.4	2073.6	2108.9	2153.6	2201.0	2271.5	2335.2	2404.3	2480.2	17.5°
20°	1852.7	1869.0	1886.6	1928.6	1970.6	2034.3	2092.6	2184.8	2278.3	2386.7	2503.3	20°
22.5°	1667.0	1683.3	1702.3	1749.7	1801.2	1866.3	1936.8	2039.8	2164.4	2305.4	2461.3	22.5°
25°	1466.5	1475.9	1490.9	1538.3	1569.5	1654.8	1740.2	1847.3	1982.8	2164.4	2346.1	25°
27.5°	1245.5	1263.2	1275.4	1297.0	1368.9	1442.1	1531.5	1646.7	1810.7	1996.4	2215.9	27.5°
30°	1034.1	1049.0	1042.2	1088.3	1135.8	1213.0	1309.2	1436.6	1593.9	1814.8	2068.2	30°
32.5°	826.7	837.6	833.5	866.1	913.5	990.7	1081.5	1219.8	1386.5	1622.3	1897.4	32.5°
35°	681.7	684.4	699.3	714.3	754.9	817.3	894.5	1015.1	1185.9	1402.8	1694.2	35°
37.5°	614.0	619.4	628.9	649.2	679.0	723.7	787.4	881.0	1027.3	1218.4	1478.7	37.5°
40°	593.6	597.7	603.1	616.7	645.1	684.4	741.4	820.0	927.0	1088.3	1299.8	40°
42.5°	584.1	584.1	584.1	592.3	614.0	656.0	721.0	798.3	891.8	1013.8	1184.6	42.5°
45°	570.6	570.6	569.2	573.3	588.2	630.2	700.7	787.4	887.7	1004.3	1152.0	45°
47.5°	555.7	554.3	550.3	550.3	559.7	601.8	674.9	768.5	878.2	1012.4	1171.0	47.5°
50°	515.0	515.0	515.0	519.1	527.2	565.2	643.8	742.7	868.8	1017.8	1200.8	50°
52.5°	492.0	493.3	497.4	497.4	505.5	544.8	627.5	737.3	874.2	1038.2	1238.8	52.5°
55°	481.1	485.2	489.3	489.3	496.0	536.7	622.1	741.4	894.5	1080.2	1303.8	55°
57.5°	471.7	475.7	478.4	478.4	483.8	519.1	607.2	734.6	906.7	1120.9	1383.8	57.5°
60°	454.0	456.7	458.1	458.1	459.5	489.3	573.3	702.1	879.6	1118.1	1427.2	60°
62.5°	421.5	426.9	428.3	429.6	429.6	458.1	529.9	649.2	821.3	1077.5	1415.0	62.5°
65°	397.1	399.8	403.9	406.6	412.0	431.0	487.9	585.5	745.4	996.2	1347.2	65°
67.5°	359.2	363.2	367.3	372.7	378.1	390.3	435.1	513.7	642.4	857.9	1195.4	67.5°
70°	325.3	326.6	330.7	337.5	338.8	345.6	378.1	432.3	525.9	688.5	962.3	70°
72.5°	283.3	286.0	291.4	299.5	299.5	304.9	323.9	352.4	412.0	525.9	710.2	72.5°
75°	246.7	249.4	253.4	253.4	246.7	248.0	261.6	281.9	326.6	395.8	517.7	75°
77.5°	204.7	210.1	214.1	206.0	203.3	207.4	214.1	229.0	261.6	314.4	389.0	77.5°
80°	169.4	172.1	173.5	174.8	172.1	176.2	181.6	191.1	212.8	253.4	307.7	80°
82.5°	135.5	138.2	142.3	147.7	147.7	162.6	164.0	164.0	176.2	201.9	241.2	82.5°
85°	100.3	105.7	111.1	117.9	119.3	127.4	123.3	122.0	126.0	150.4	166.7	85°
87.5°	51.5	55.6	58.3	63.7	56.9	59.6	59.6	55.6	48.8	61.0	67.8	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: P158816

NUMBER: VTS-F08-LED-E1-SLL-7050

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7
2253.9	2251.2	2253.9	2253.9	2258.0	2255.3	2398.9
2264.7	2262.0	2264.7	2267.5	2271.5	2271.5	2430.1
2266.1	2266.1	2263.4	2270.2	2275.6	2281.0	2459.9
2282.4	2282.4	2285.1	2286.4	2298.6	2312.2	2508.7
2348.8	2355.5	2367.7	2371.8	2393.5	2408.4	2633.4
2450.4	2488.4	2512.8	2520.9	2539.9	2568.3	2843.5
2553.4	2617.1	2683.5	2724.2	2748.6	2782.5	3101.0
2630.7	2749.9	2863.8	2965.4	3023.7	3090.1	3461.5
2637.5	2827.2	3019.7	3208.0	3363.9	3487.2	3949.4
2572.4	2821.8	3087.4	3376.1	3644.5	3866.7	4510.5
2489.7	2796.0	3134.9	3503.5	3855.9	4183.9	4923.9
2385.4	2752.7	3143.0	3557.7	3971.1	4365.5	5159.7
2226.8	2623.9	3045.4	3503.5	3983.3	4463.1	5311.5
2023.5	2428.7	2861.1	3382.9	3926.4	4502.4	5438.9
1816.1	2215.9	2680.8	3221.6	3835.6	4495.6	5490.4
1596.6	1993.7	2469.4	3049.5	3712.2	4433.3	5480.9
1447.5	1809.4	2275.6	2874.6	3575.3	4350.6	5417.2
1360.7	1677.9	2122.4	2714.7	3450.6	4251.6	5337.3
1359.4	1638.6	2041.1	2600.9	3324.6	4141.9	5228.8
1406.8	1663.0	2031.6	2552.1	3255.5	4061.9	5110.9
1462.4	1730.7	2081.8	2569.7	3254.1	4026.7	5028.2
1550.5	1845.9	2191.6	2645.6	3289.4	4021.2	4926.6
1663.0	2001.8	2389.4	2832.6	3426.3	4128.3	4933.4
1778.2	2184.8	2648.3	3152.5	3696.0	4377.7	5147.5
1820.2	2325.7	2911.2	3527.9	4099.8	4751.8	5589.3
1783.6	2358.3	3071.2	3819.3	4492.9	5189.5	6116.6
1648.1	2226.8	3006.1	3902.0	4719.2	5499.9	6643.8
1356.7	1900.2	2710.6	3716.3	4701.6	5563.6	6833.5
994.8	1473.2	2203.8	3157.9	4179.8	5165.1	6548.9
718.3	1042.2	1591.1	2378.6	3304.3	4159.5	5493.1
515.0	722.4	1032.8	1562.7	2251.2	2896.3	3915.5
370.0	490.6	643.8	937.9	1371.6	1778.2	2459.9
272.4	336.1	422.9	582.8	807.8	1035.5	1481.4
185.7	197.9	254.8	344.3	529.9	761.7	1005.6
70.5	80.0	93.5	141.0	237.2	272.4	192.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)